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 : Q2249

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2249

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2249-01	MW-06-6.5-060525

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

Signature : _____ Date: 6/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2249
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
1 Water sample was received on 06/05/2025.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_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 except for MW-06-6.5-060525, MW-06-6.5-060525RE, sample was reanalyzed to confirm the failure and reported.

The Retention Times were acceptable for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID VX046657.D met the requirements except for Vinyl Chloride is failing marginally low while 1,2-Dichloroethane-d4 which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

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Sample MW-06-6.5-060525 was diluted at straight dilution after checking past history of this sample.

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

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2249 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 File ID VX046657.D met the requirements except for Vinyl Chloride is failing marginally low while 1,2-Dichloroethane-d4 which is not our target compound, therefore no corrective action taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for MW-06-6.5-060525, MW-06-6.5-060525RE, sample was reanalyzed to confirm the failure and reported.		✓	
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

Sample MW-06-6.5-060525 was diluted at straight dilution after checking past history of this sample.

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

Trip Blank was not provided with this set of samples.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2249

	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:** 06/17/2025

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LAB CHRONICLE

OrderID:	Q2249	**OrderDate:**	6/5/2025 4:19:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	--Select--,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2249-01	**MW-06-6.5-060525**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/11/25	
Q2249-01RE	**MW-06-6.5-060525RE**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2249

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-06-6.5-060525**							
Q2249-01	MW-06-6.5-060525	Water	cis-1,2-Dichloroethene	14.2		1.90	10.0	ug/L
Q2249-01	MW-06-6.5-060525	Water	Trichloroethene	1300		0.93	10.0	ug/L
Q2249-01	MW-06-6.5-060525	Water	Tetrachloroethene	11.9		2.30	10.0	ug/L
			Total Voc :	1330				
			Total Concentration:	1330				
Client ID:	**MW-06-6.5-060525RE**							
Q2249-01RE	MW-06-6.5-060525	Water	cis-1,2-Dichloroethene	12.6		1.90	10.0	ug/L
Q2249-01RE	MW-06-6.5-060525	Water	Trichloroethene	1000		0.93	10.0	ug/L
Q2249-01RE	MW-06-6.5-060525	Water	Tetrachloroethene	8.10	J	2.30	10.0	ug/L
			Total Voc :	1020				
			Total Concentration:	1020				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2249

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2249-01	MW-06-6.5-060525	1,2-Dichloroethane-d4	50	42.5	85	70 (74)	130 (125)
		Dibromofluoromethane	50	42.5	85	70 (75)	130 (124)
		Toluene-d8	50	53.4	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.5	111	70 (77)	130 (121)
Q2249-01RE	MW-06-6.5-060525RE	1,2-Dichloroethane-d4	50	45.9	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97	70 (75)	130 (124)
		Toluene-d8	50	52.9	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.8	108	70 (77)	130 (121)
VX0611WBL02	VX0611WBL02	1,2-Dichloroethane-d4	50	49.7	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	54.3	109	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.3	111	70 (77)	130 (121)
VX0611WBS02	VX0611WBS02	1,2-Dichloroethane-d4	50	44.0	88	70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96	70 (75)	130 (124)
		Toluene-d8	50	47.2	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.5	97	70 (77)	130 (121)
VX0611WBSD0	VX0611WBSD02	1,2-Dichloroethane-d4	50	44.5	89	70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95	70 (75)	130 (124)
		Toluene-d8	50	46.5	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97	70 (77)	130 (121)
VX0612WBL01	VX0612WBL01	1,2-Dichloroethane-d4	50	46.2	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	52.4	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.6	109	70 (77)	130 (121)
VX0612WBS01	VX0612WBS01	1,2-Dichloroethane-d4	50	41.5	83	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.1	96	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2249

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046639.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0611WBS02	Vinyl chloride	20	16.3	ug/L	81			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.3	ug/L	97			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			70 (80)	130 (108)	
	Benzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.1	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	21.8	ug/L	109			70 (83)	130 (112)	
	Tetrachloroethene	20	18.0	ug/L	90			70 (67)	130 (123)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2249

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046640.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0611WBSD02	Vinyl chloride	20	15.8	ug/L	79	3		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	18.3	ug/L	92	1		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	19.2	ug/L	96	1		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	2		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	4		70 (80)	130 (108)	20 (20)
	Benzene	20	19.5	ug/L	98	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.7	ug/L	99	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	2		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	21.8	ug/L	109	0		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	18.0	ug/L	90	0		70 (67)	130 (123)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2249

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046660.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0612WBS01	Vinyl chloride	20	15.1	ug/L	76			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.3	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	17.8	ug/L	89			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.6	ug/L	88			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			70 (83)	130 (112)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0611WBL02

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046637.D Lab Sample ID: VX0611WBL02

Date Analyzed: 06/11/2025 Time Analyzed: 15:14

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
VX0611WBS02	VX0611WBS02	VX046639.D	06/11/2025
VX0611WBSD02	VX0611WBSD02	VX046640.D	06/11/2025
MW-06-6.5-060525	Q2249-01	VX046644.D	06/11/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0612WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046659.D Lab Sample ID: VX0612WBL01

Date Analyzed: 06/12/2025 Time Analyzed: 13:10

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
VX0612WBS01	VX0612WBS01	VX046660.D	06/12/2025
MW-06-6.5-060525RE	Q2249-01RE	VX046661.D	06/12/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046516.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

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	21
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	62.7 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX046518.D	06/06/2025	09:42
VSTDICC020	VSTDICC020	VX046519.D	06/06/2025	10:18
VSTDICCC050	VSTDICCC050	VX046520.D	06/06/2025	10:40
VSTDICC100	VSTDICC100	VX046521.D	06/06/2025	11:02
VSTDICC150	VSTDICC150	VX046522.D	06/06/2025	11:25
VSTDICC001	VSTDICC001	VX046524.D	06/06/2025	12:57

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046635.D BFB Injection Date: 06/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 14:01

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	21
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	66.1
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	63.6 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046636.D	06/11/2025	14:46
VX0611WBL02	VX0611WBL02	VX046637.D	06/11/2025	15:14
VX0611WBS02	VX0611WBS02	VX046639.D	06/11/2025	15:58
VX0611WBSD02	VX0611WBSD02	VX046640.D	06/11/2025	16:25
MW-06-6.5-060525	Q2249-01	VX046644.D	06/11/2025	17:53

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.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046656.D BFB Injection Date: 06/12/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:44

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	19.2
75	30.0 - 60.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.9 (8.1) 1
176	95.0 - 101.0% of mass 174	72.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046657.D	06/12/2025	10:11
VX0612WBL01	VX0612WBL01	VX046659.D	06/12/2025	13:10
VX0612WBS01	VX0612WBS01	VX046660.D	06/12/2025	13:38
MW-06-6.5-060525RE	Q2249-01RE	VX046661.D	06/12/2025	14:04

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046636.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_X Time Analyzed: 14:46

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	77468	5.56	133266	6.76	119186	10.06
UPPER LIMIT	154936	6.062	266532	7.263	238372	10.555
LOWER LIMIT	38734	5.062	66633	6.263	59593	9.555
EPA SAMPLE NO.						
MW-06-6.5-060525	113972	5.57	227958	6.78	237036	10.06
VX0611WBL02	73470	5.56	147517	6.77	153084	10.06
VX0611WBS02	79398	5.57	136732	6.78	125565	10.06
VX0611WBSD02	75823	5.56	130739	6.76	119823	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046636.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_X Time Analyzed: 14:46

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

	IS4 AREA #		RT #				
12 HOUR STD	60295		12.018				
UPPER LIMIT	120590		12.518				
LOWER LIMIT	30147.5		11.518				
EPA SAMPLE NO.							
MW-06-6.5-060525	124632	*	12.02				
VX0611WBL02	77047		12.02				
VX0611WBS02	66542		12.02				
VX0611WBSD02	62816		12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046657.D Date Analyzed: 06/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:11

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	82603	5.56	125406		6.77	118101		10.06
UPPER LIMIT	165206	6.056	250812		7.269	236202		10.555
LOWER LIMIT	41301.5	5.056	62703		6.269	59050.5		9.555
EPA SAMPLE NO.								
MW-06-6.5-060525RE	130843	5.56	256854	*	6.77	263328	*	10.06
VX0612WBL01	92224	5.57	180952		6.78	188641		10.06
VX0612WBS01	85578	5.56	144622		6.77	130715		10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2249 SAS No.: Q2249 SDG NO.: Q2249

Lab File ID: VX046657.D Date Analyzed: 06/12/2025

Instrument ID: MSVOA_X Time Analyzed: 10:11

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

	IS4 AREA #		RT #				
12 HOUR STD	60636		12.018				
UPPER LIMIT	121272		12.518				
LOWER LIMIT	30318		11.518				
EPA SAMPLE NO.							
MW-06-6.5-060525RE	135069	*	12.02				
VX0612WBL01	95358		12.02				
VX0612WBS01	69016		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:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-06-6.5-060525	SDG No.:	Q2249
Lab Sample ID:	Q2249-01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046644.D	10		06/11/25 17:53	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	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	14.2		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	1300		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	11.9		2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.5		70 (74) - 130 (125)	85%	SPK: 50
1868-53-7	Dibromofluoromethane	42.5		70 (75) - 130 (124)	85%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.574			
540-36-3	1,4-Difluorobenzene	228000	6.775			
3114-55-4	Chlorobenzene-d5	237000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	125000	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\VX061125\
Data File : VX046644.D
Acq On : 11 Jun 2025 17:53
Operator : JC/MD
Sample : Q2249-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Quant Time: Jun 12 02:34:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

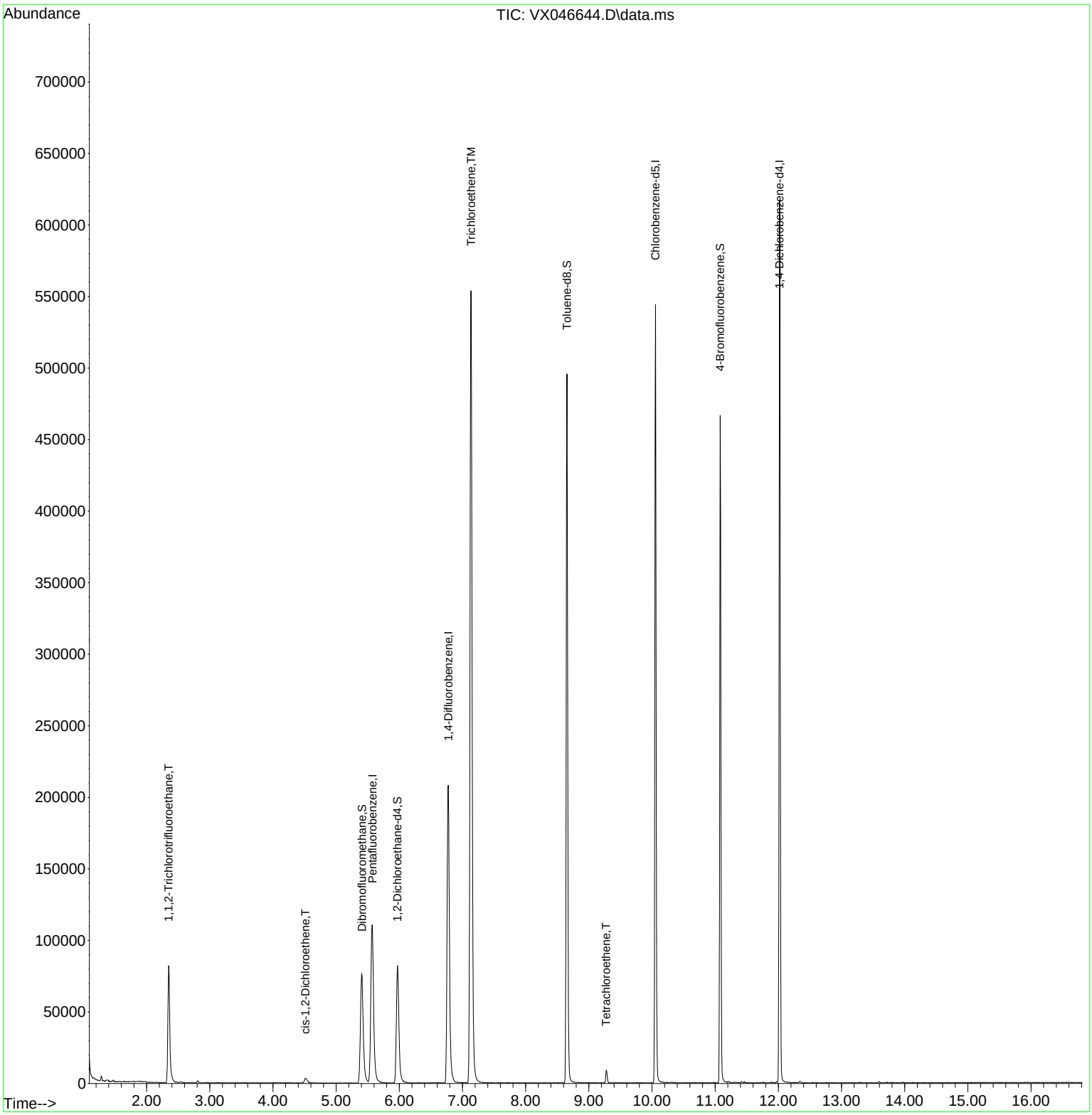
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.574	168	113972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	227958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	86239	42.531	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.060%			
35) Dibromofluoromethane	5.410	113	71170	42.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 84.900%			
50) Toluene-d8	8.653	98	295147	53.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.800%			
62) 4-Bromofluorobenzene	11.079	95	126952	55.517	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.040%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.349	101	37948	25.356	ug/l	91
27) cis-1,2-Dichloroethene	4.513	96	2501	1.419	ug/l	84
44) Trichloroethene	7.135	130	227940	133.077	ug/l	98
64) Tetrachloroethene	9.275	164	1879	1.185	ug/l	88

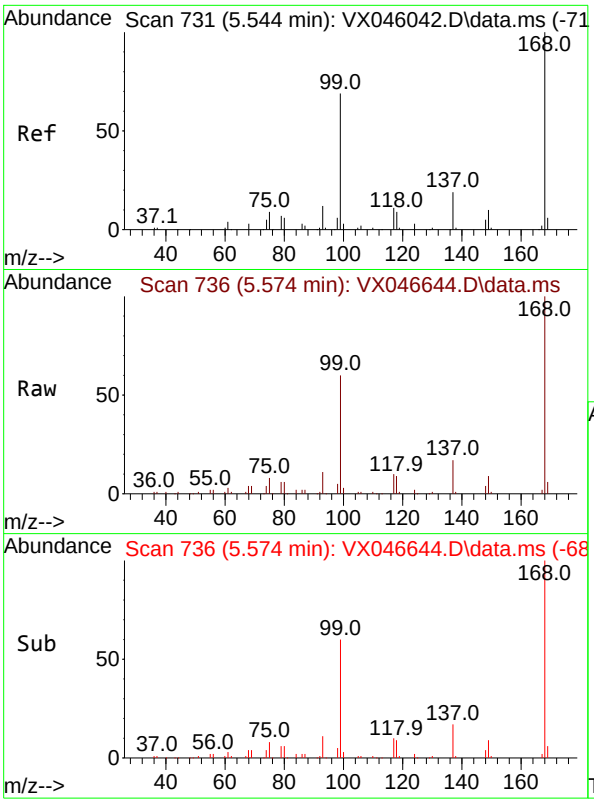
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046644.D
Acq On : 11 Jun 2025 17:53
Operator : JC/MD
Sample : Q2249-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Quant Time: Jun 12 02:34:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



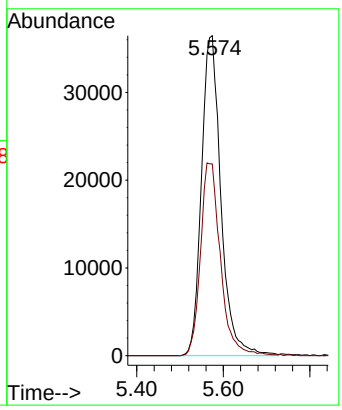


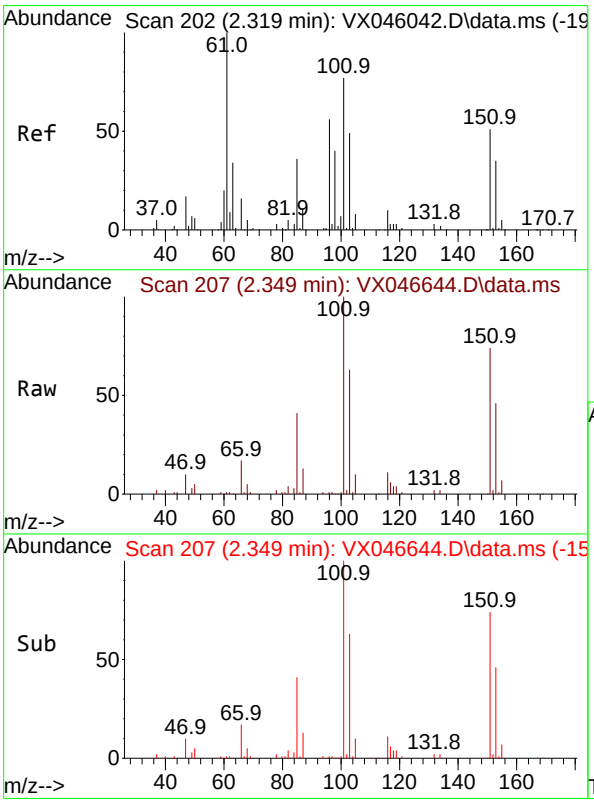
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion:168 Resp: 113972

Ion	Ratio	Lower	Upper
168	100		
99	60.0	54.9	82.3

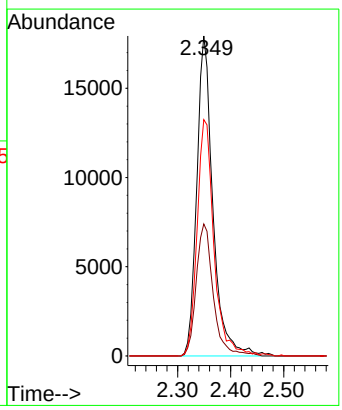


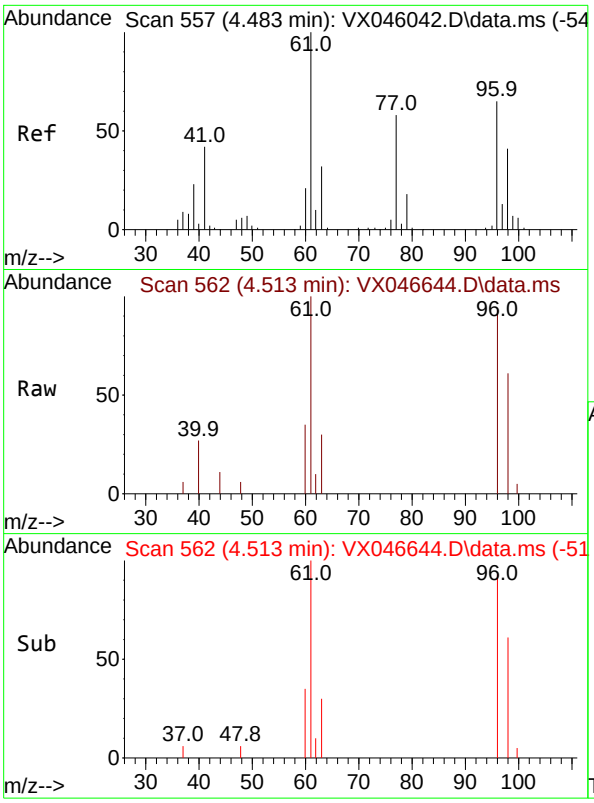


#9
1,1,2-Trichlorotrifluoroethane
Concen: 25.356 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:101 Resp: 37948

Ion	Ratio	Lower	Upper
101	100		
85	43.4	38.6	58.0
151	77.3	55.2	82.8



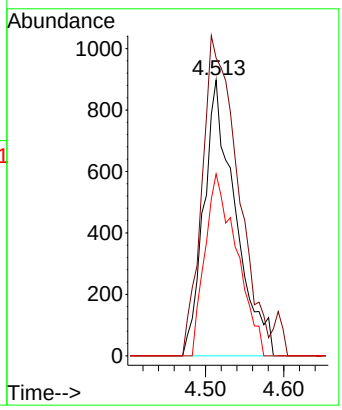


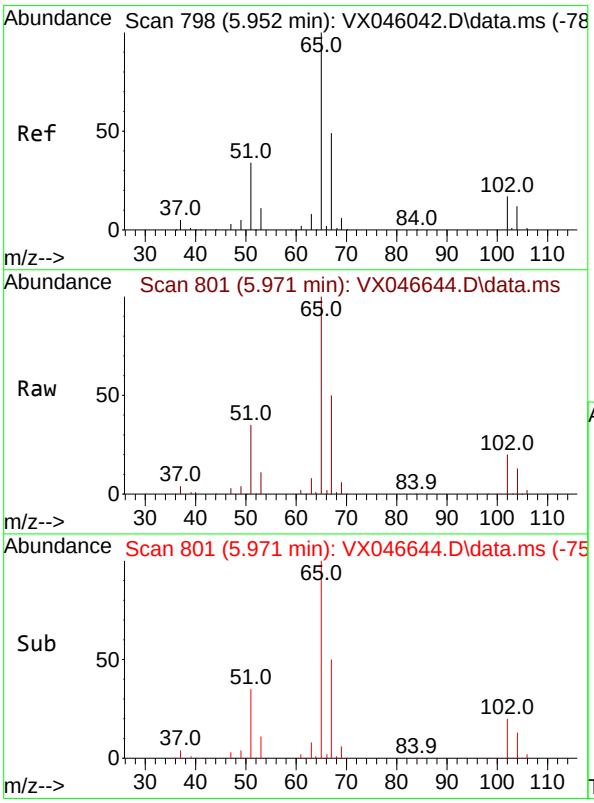
#27
cis-1,2-Dichloroethene
Concen: 1.419 ug/l
RT: 4.513 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion: 96 Resp: 2501

Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	322.8
98	66.5	0.0	129.0

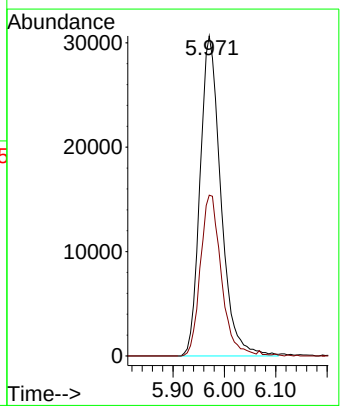


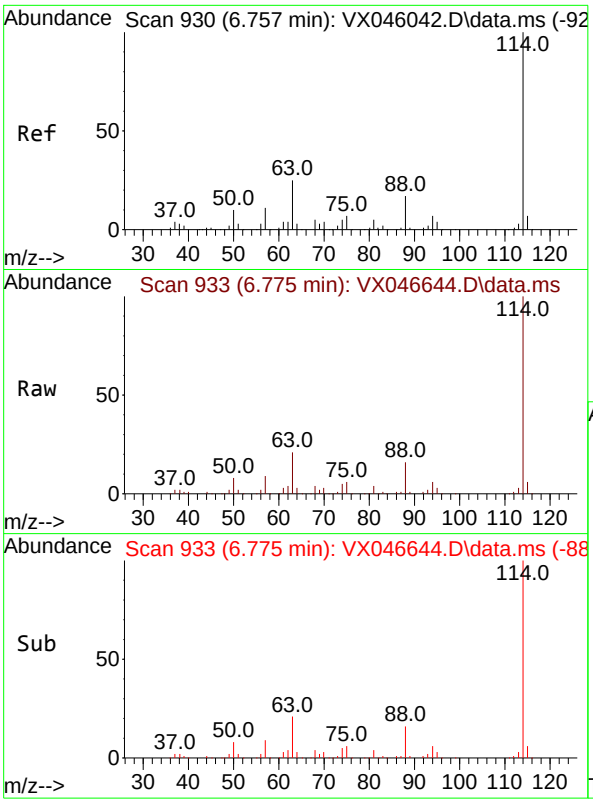


#33
1,2-Dichloroethane-d4
Concen: 42.531 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.001 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 65 Resp: 86239

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.0



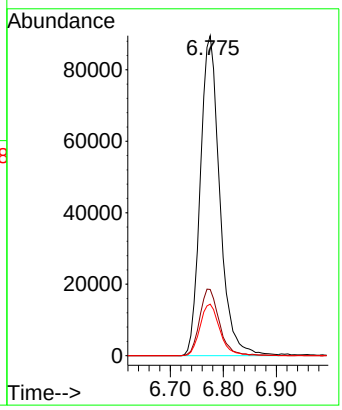


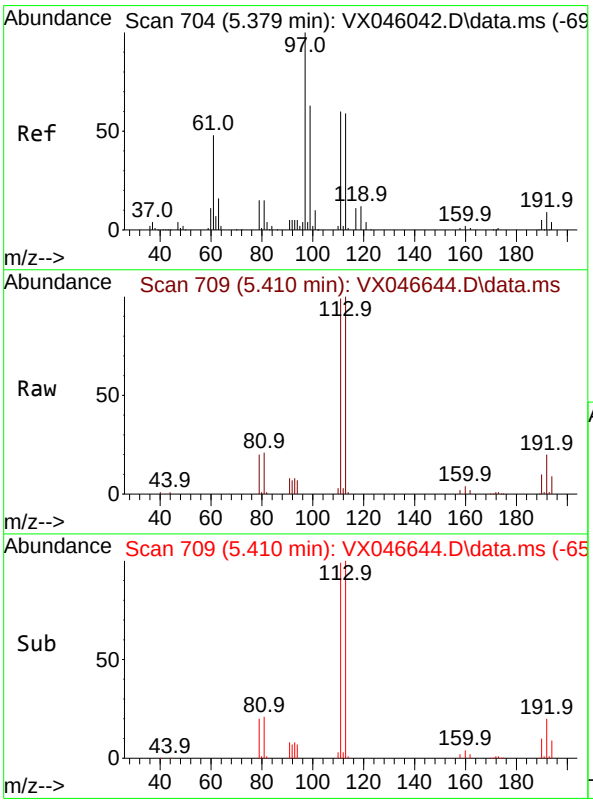
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion:114 Resp: 227958

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	49.2
88	16.1	0.0	33.6

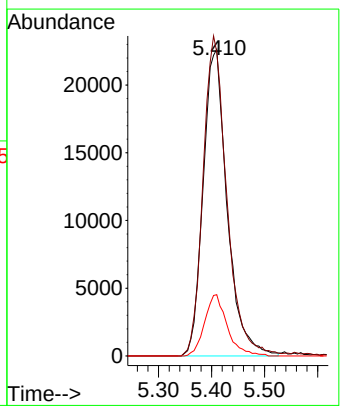


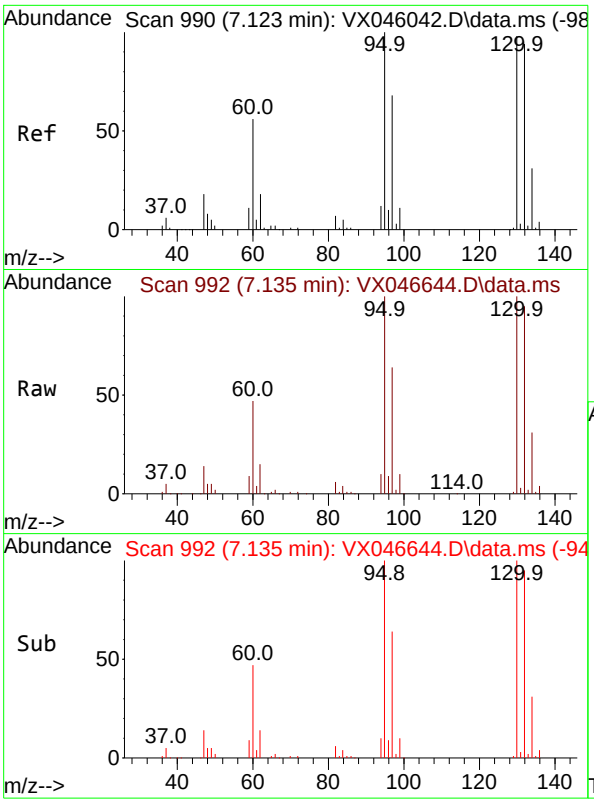


#35
Dibromofluoromethane
Concen: 42.454 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.007 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:113 Resp: 71170

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	18.9	13.3	19.9



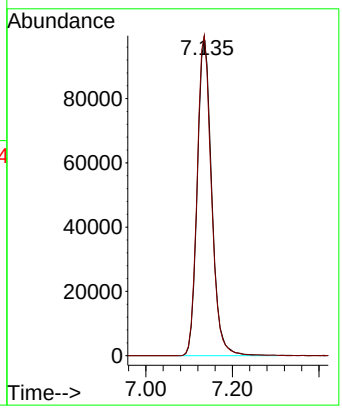


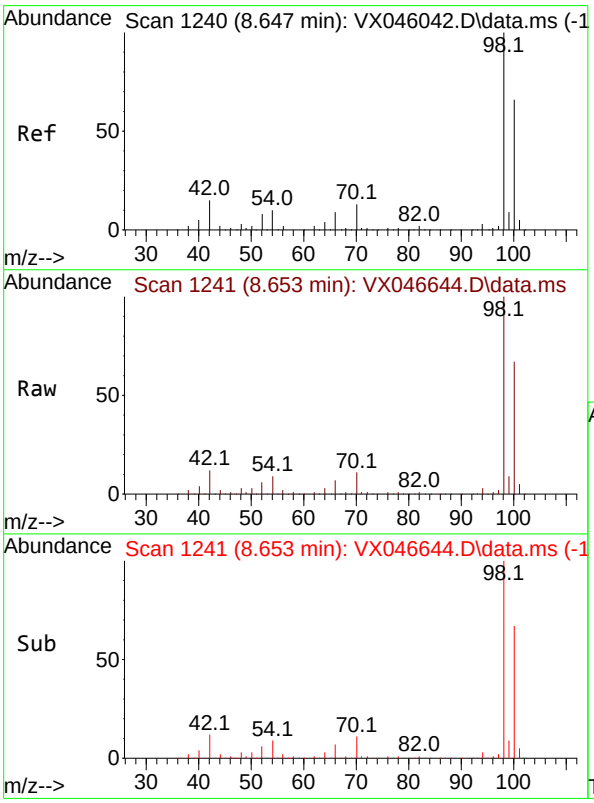
#44
Trichloroethene
Concen: 133.077 ug/l
RT: 7.135 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion:130 Resp: 227940

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	204.2

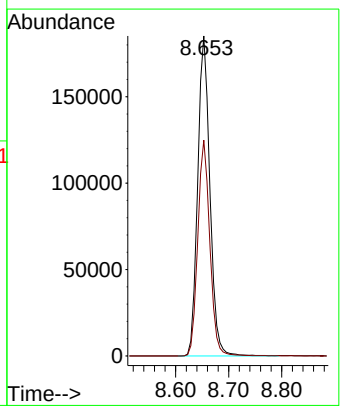


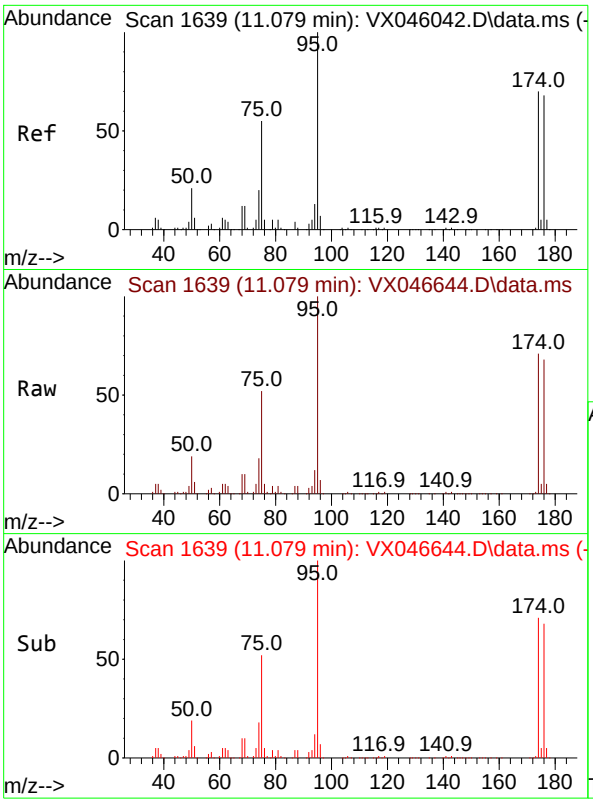


#50
Toluene-d8
Concen: 53.402 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion: 98 Resp: 295147

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.5	80.3



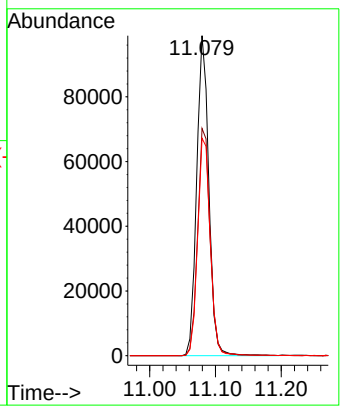


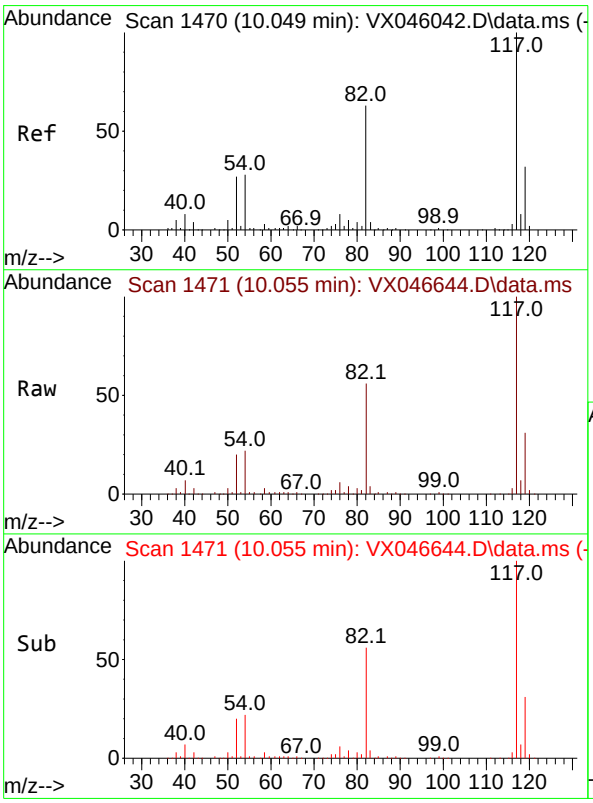
#62
4-Bromofluorobenzene
Concen: 55.517 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion: 95 Resp: 126952

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	135.8
176	70.3	0.0	131.4

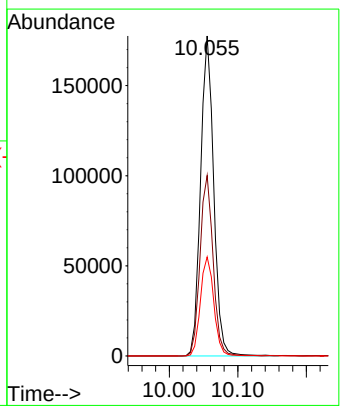


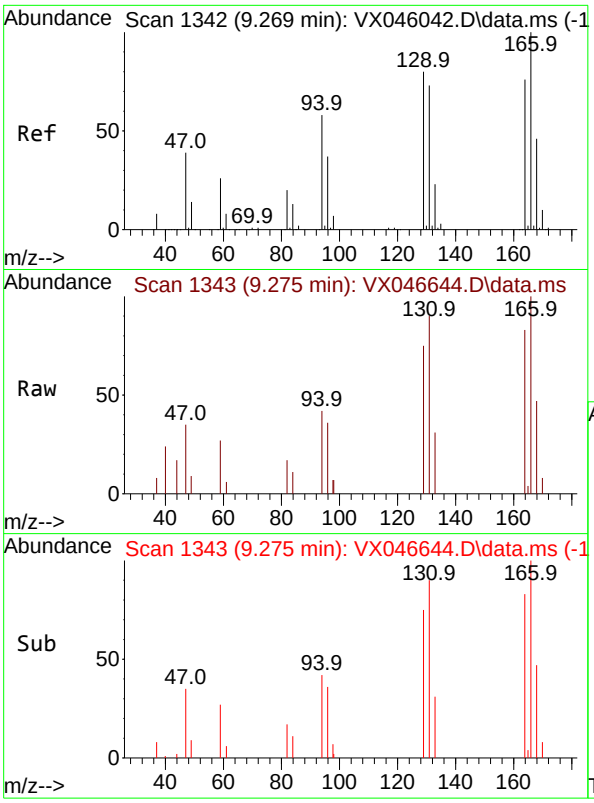


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:117 Resp: 237036

Ion	Ratio	Lower	Upper
117	100		
82	56.4	50.6	76.0
119	31.0	25.8	38.6



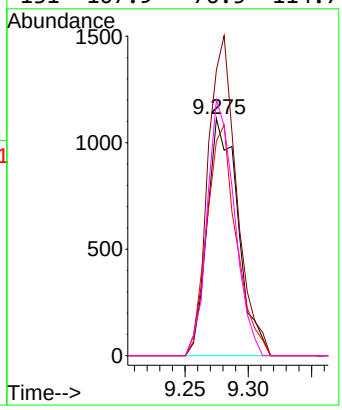


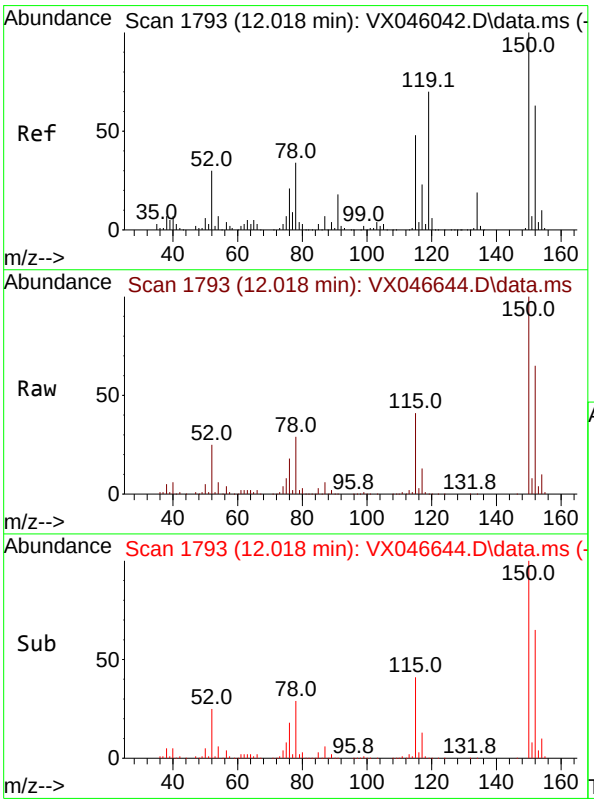
#64
Tetrachloroethene
Concen: 1.185 ug/l
RT: 9.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525

Tgt Ion:164 Resp: 1879

Ion	Ratio	Lower	Upper
164	100		
166	120.6	105.0	157.6
129	90.6	83.5	125.3
131	107.9	76.5	114.7

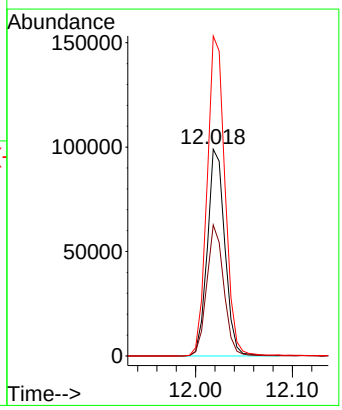




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046644.D
Acq: 11 Jun 2025 17:53

Tgt Ion:152 Resp: 124632

Ion	Ratio	Lower	Upper
152	100		
115	61.9	46.9	140.7
150	158.5	0.0	351.0



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:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-06-6.5-060525RE	SDG No.:	Q2249
Lab Sample ID:	Q2249-01RE	Matrix:	Water
Analytical Method:	8260D	% 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
VX046661.D	10		06/12/25 14:04	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	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	12.6		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	1000		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	8.10	J	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	52.9		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	5.556			
540-36-3	1,4-Difluorobenzene	257000	6.769			
3114-55-4	Chlorobenzene-d5	263000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	135000	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\VX061225\
Data File : VX046661.D
Acq On : 12 Jun 2025 14:04
Operator : JC/MD
Sample : Q2249-01RE 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Quant Time: Jun 12 14:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

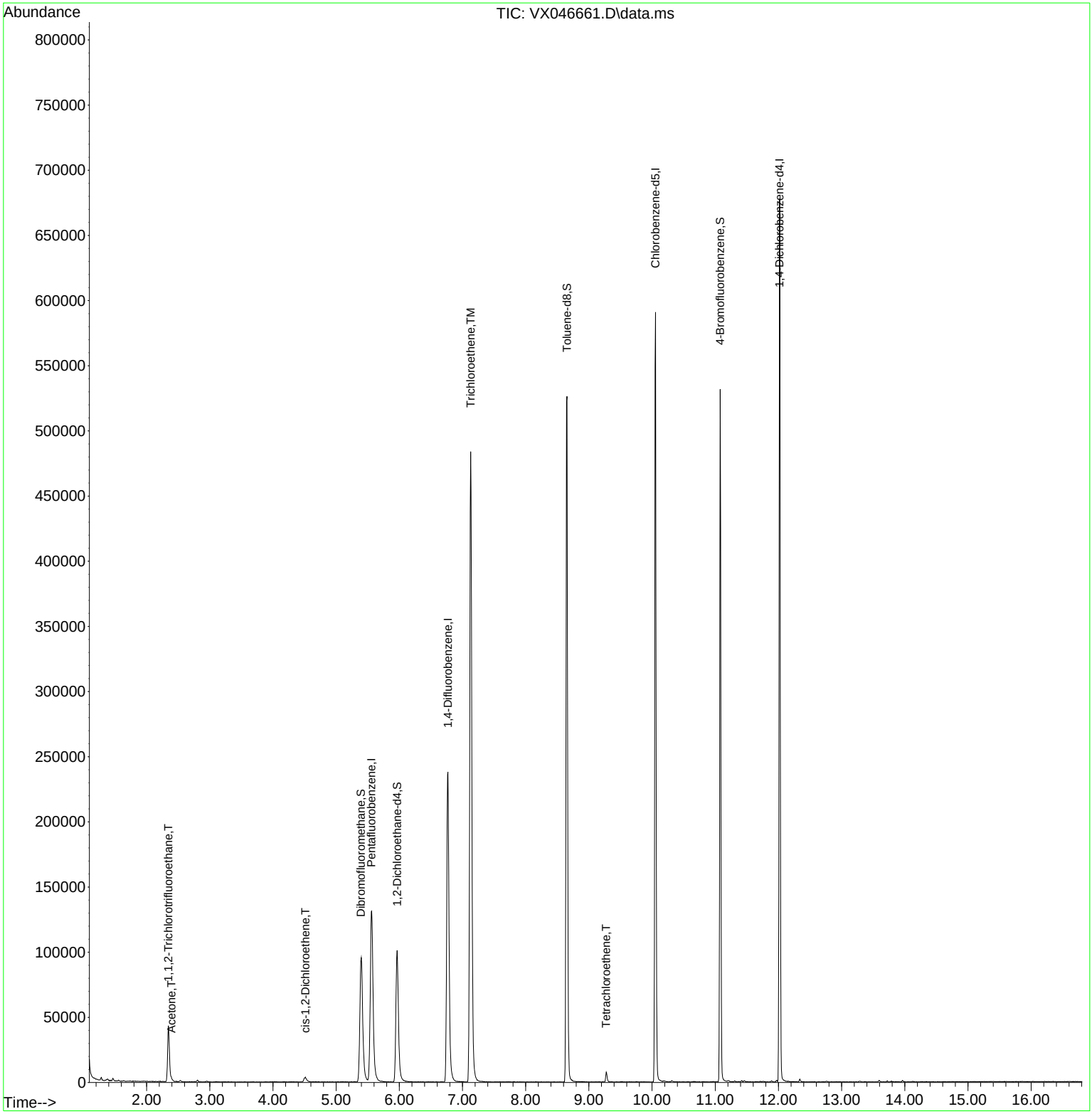
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	130843	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	256854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106796	45.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.760%			
35) Dibromofluoromethane	5.391	113	91952	48.680	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	8.653	98	329160	52.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.720%			
62) 4-Bromofluorobenzene	11.079	95	138615	53.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	19559	11.384	ug/l	94
16) Acetone	2.392	43	1345	6.039	ug/l #	83
27) cis-1,2-Dichloroethene	4.513	96	2540	1.255	ug/l	87
44) Trichloroethene	7.129	130	197730	102.453	ug/l	99
64) Tetrachloroethene	9.275	164	1427	0.810	ug/l	97

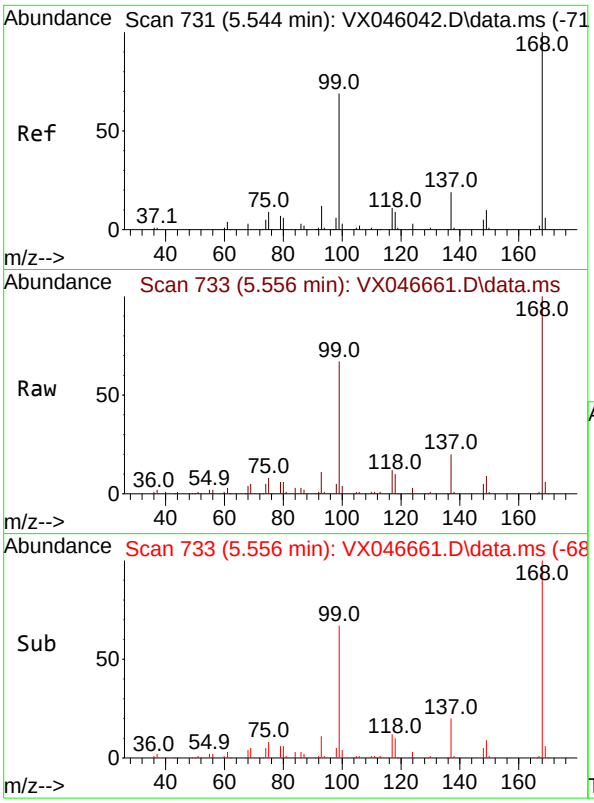
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046661.D
Acq On : 12 Jun 2025 14:04
Operator : JC/MD
Sample : Q2249-01RE 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Quant Time: Jun 12 14:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



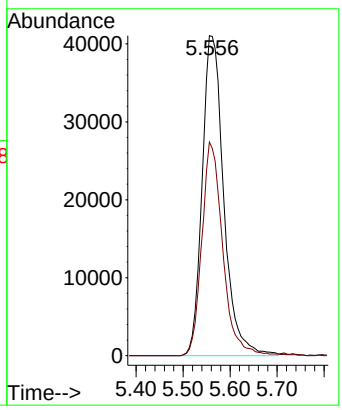


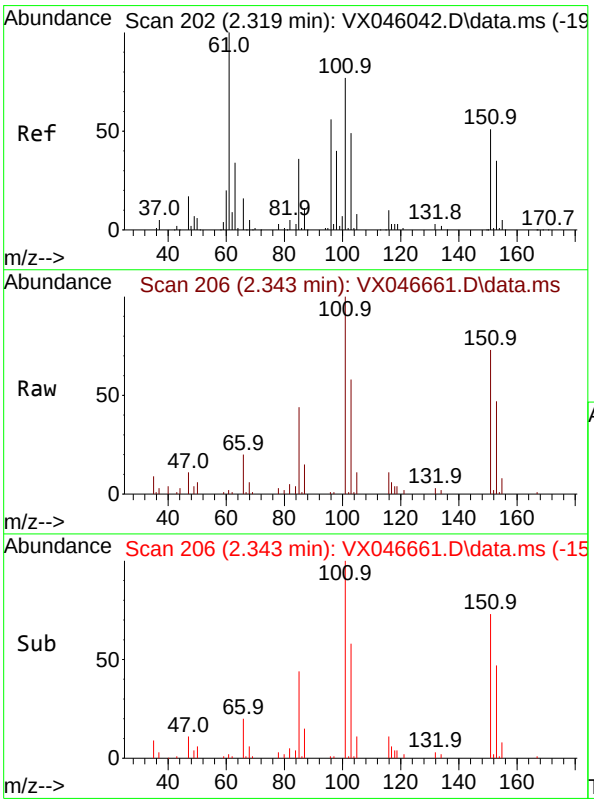
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion:168 Resp: 130843

Ion	Ratio	Lower	Upper
168	100		
99	66.7	54.9	82.3

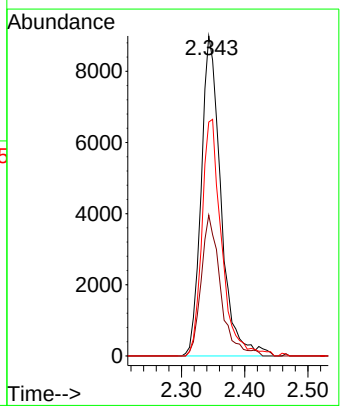


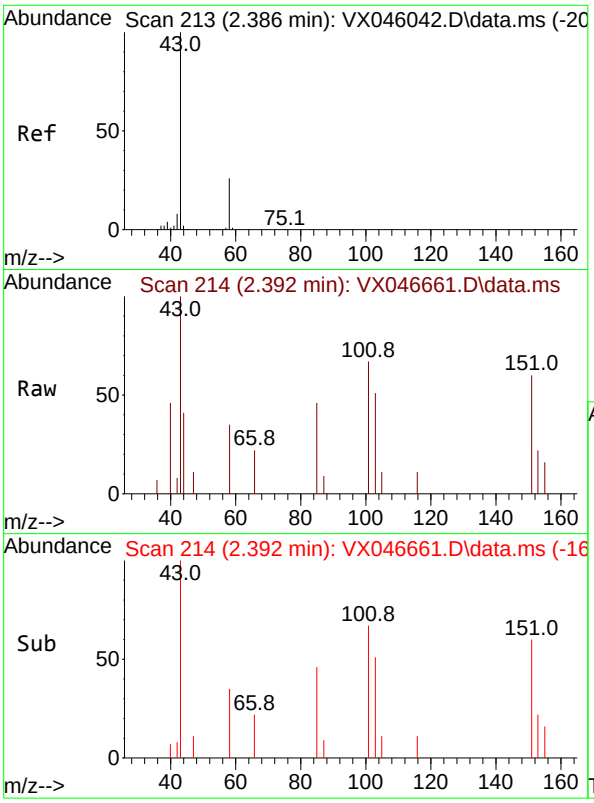


#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.384 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion:101 Resp: 19559

Ion	Ratio	Lower	Upper
101	100		
85	43.2	38.6	58.0
151	73.4	55.2	82.8



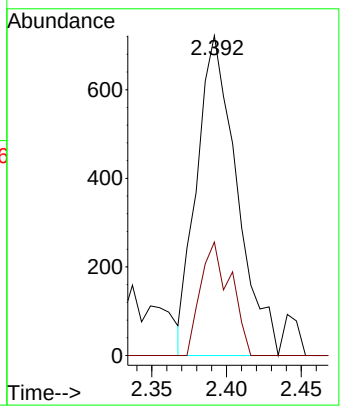


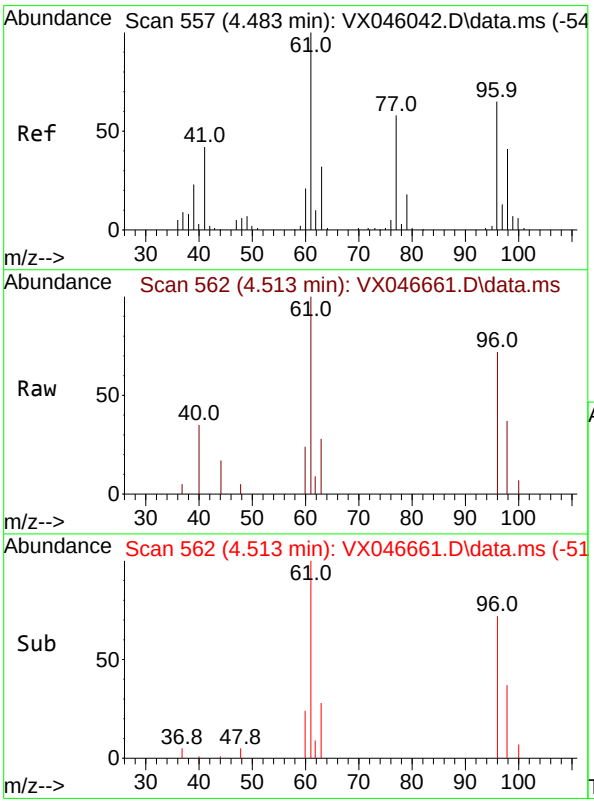
#16
Acetone
Concen: 6.039 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion: 43 Resp: 1345

Ion	Ratio	Lower	Upper
43	100		
58	35.5	21.2	31.8#

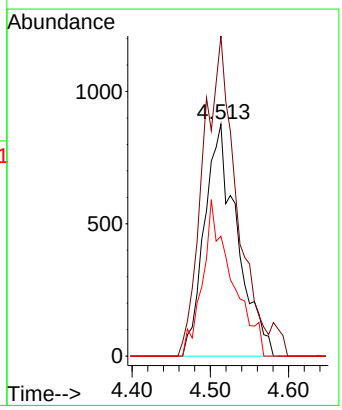


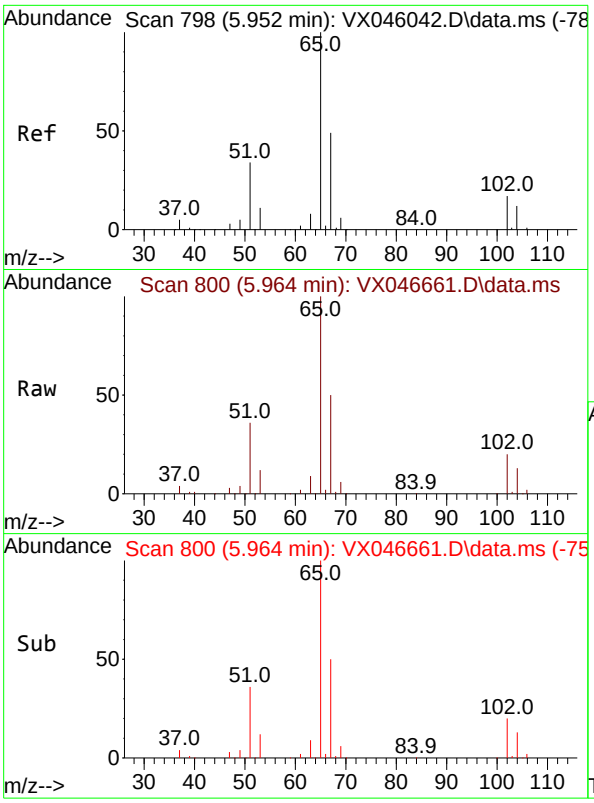


#27
cis-1,2-Dichloroethene
Concen: 1.255 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion: 96 Resp: 2540

Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	322.8
98	60.2	0.0	129.0



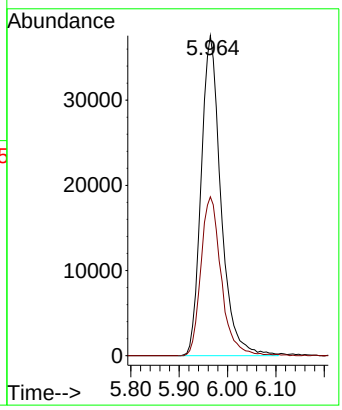


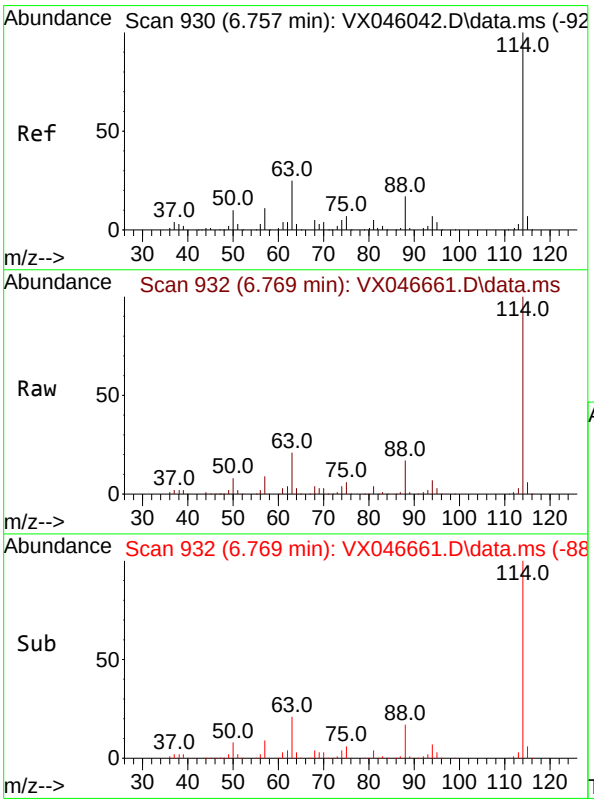
#33
1,2-Dichloroethane-d4
Concen: 45.878 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion: 65 Resp: 106796

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	99.0

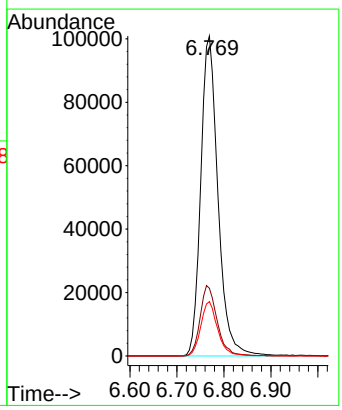


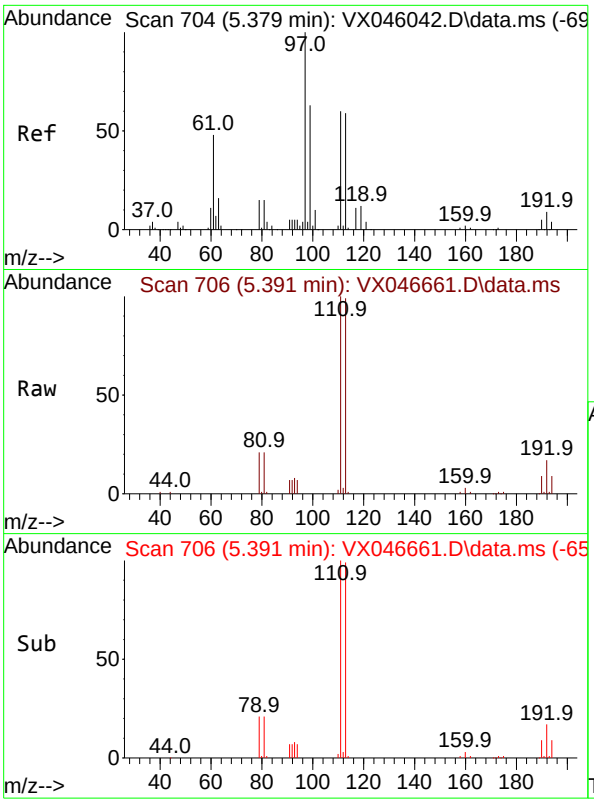


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion:114 Resp: 256854

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	49.2
88	17.0	0.0	33.6



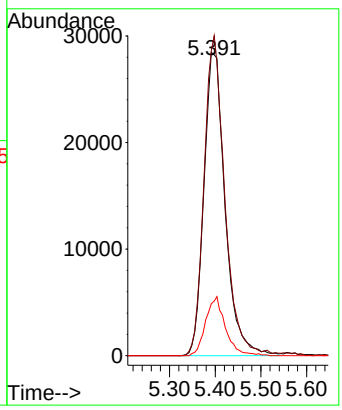


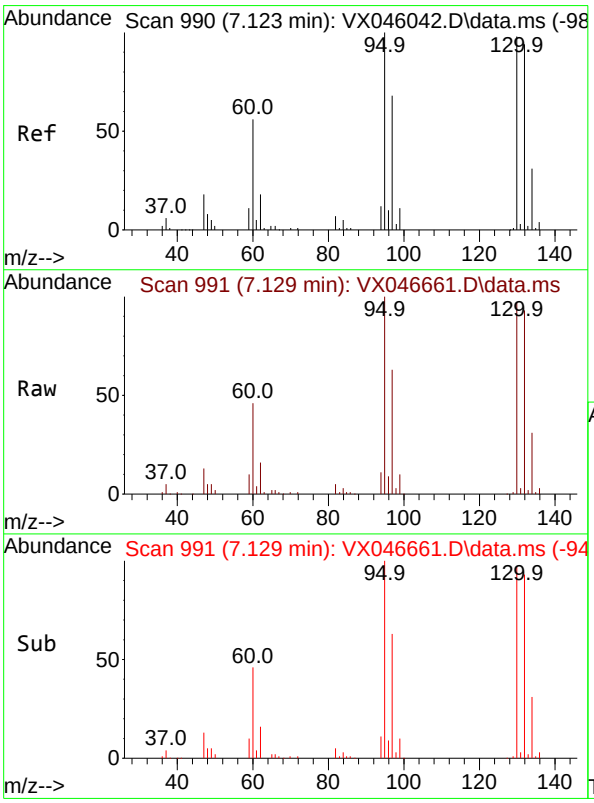
#35
Dibromofluoromethane
Concen: 48.680 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion:113 Resp: 91952

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	18.1	13.3	19.9

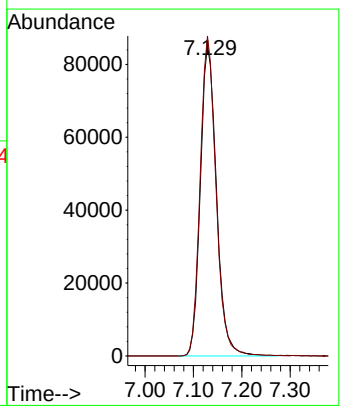


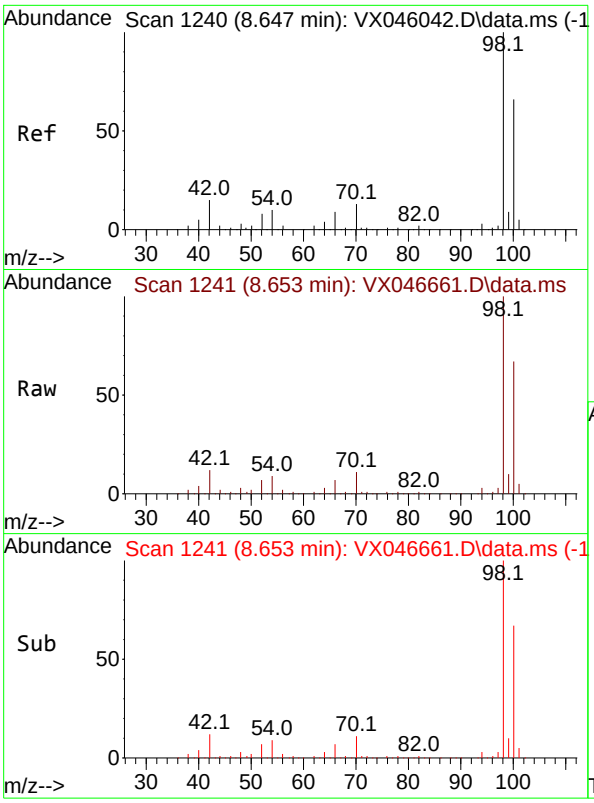


#44
Trichloroethene
Concen: 102.453 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion:130 Resp: 197730

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	204.2



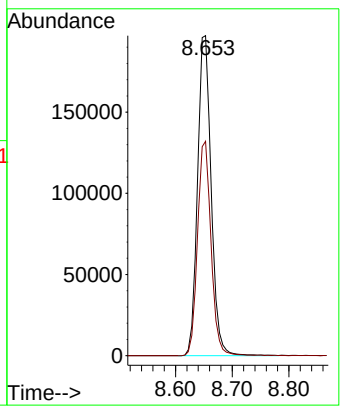


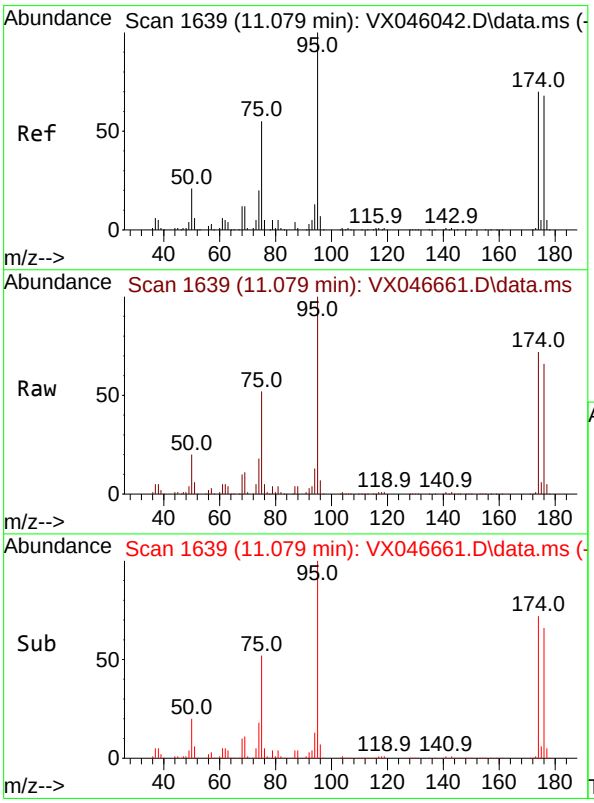
#50
Toluene-d8
Concen: 52.856 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion: 98 Resp: 329160

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3

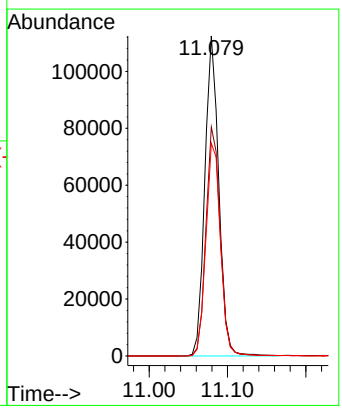


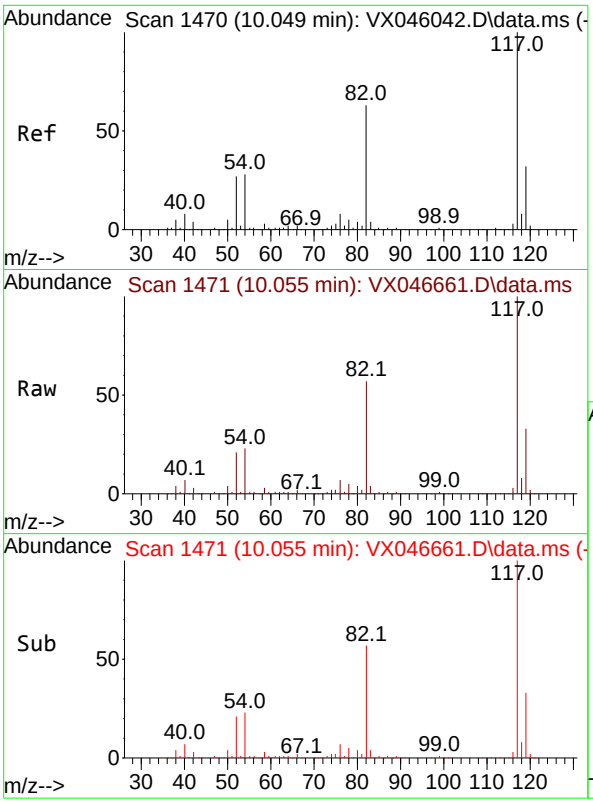


#62
4-Bromofluorobenzene
Concen: 53.798 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion: 95 Resp: 138615

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	135.8
176	69.7	0.0	131.4



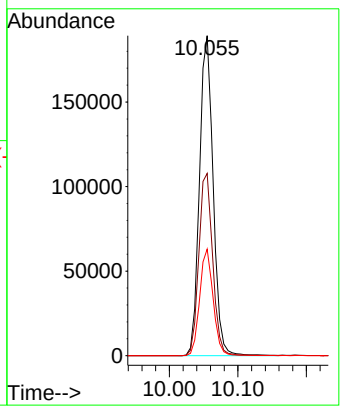


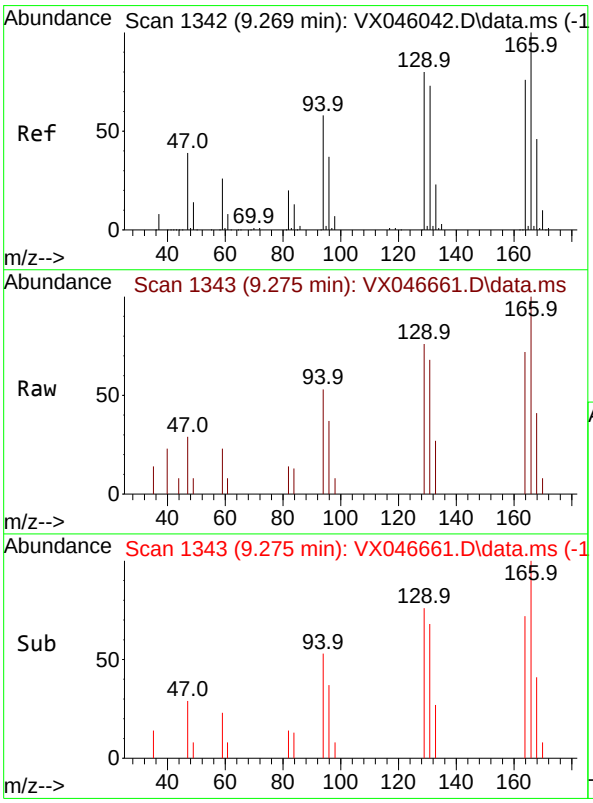
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion:117 Resp: 263328

Ion	Ratio	Lower	Upper
117	100		
82	57.0	50.6	76.0
119	33.3	25.8	38.6

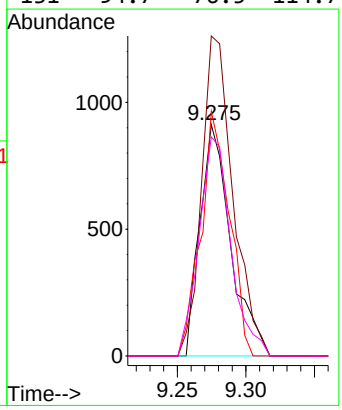


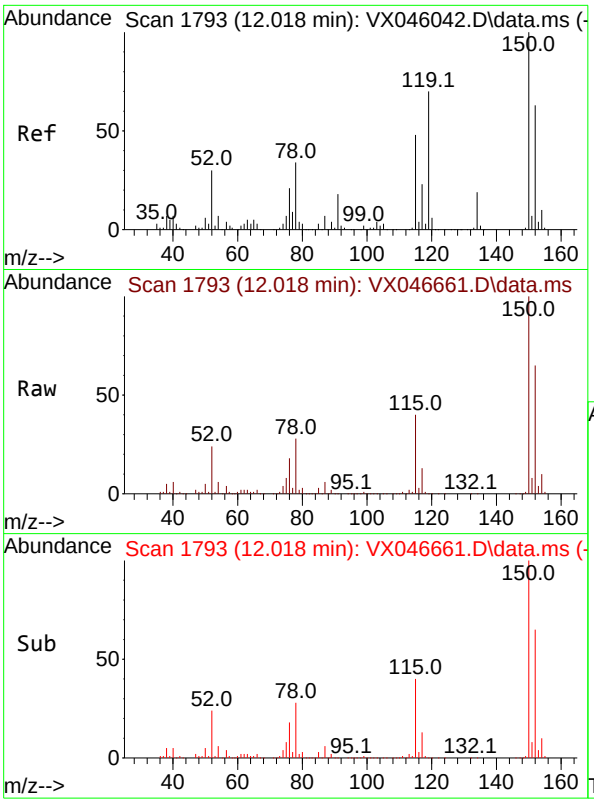


#64
Tetrachloroethene
Concen: 0.810 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Tgt Ion:164 Resp: 1427

Ion	Ratio	Lower	Upper
164	100		
166	138.4	105.0	157.6
129	105.8	83.5	125.3
131	94.7	76.5	114.7



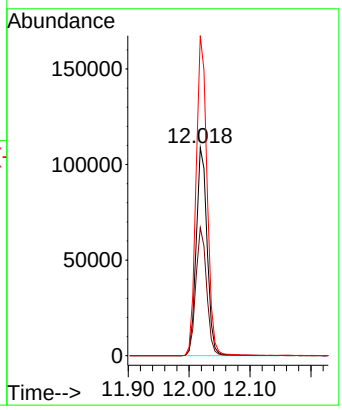


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046661.D
Acq: 12 Jun 2025 14:04

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-060525RE

Tgt Ion:152 Resp: 135069

Ion	Ratio	Lower	Upper
152	100		
115	61.3	46.9	140.7
150	155.7	0.0	351.0



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.: Q2249 SAS No.: Q2249 SDG No.: Q2249

Instrument ID: MSVOA_X Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:57

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

LAB FILE ID: RRF005 = VX046518.D RRF020 = VX046519.D RRF050 = VX046520.D
RRF100 = VX046521.D RRF150 = VX046522.D RRF001 = VX046524.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.697	0.593	0.596	0.591	0.622	0.679	0.630	7.5
1,1-Dichloroethene	0.663	0.550	0.567	0.561	0.585	0.635	0.594	7.6
1,1-Dichloroethane	1.349	1.266	1.259	1.234	1.297	1.281	1.281	3.1
cis-1,2-Dichloroethene	0.786	0.752	0.741	0.728	0.767	0.866	0.773	6.4
1,1,1-Trichloroethane	1.170	1.131	1.141	1.128	1.188	1.131	1.148	2.2
Benzene	1.597	1.503	1.427	1.380	1.442	1.522	1.479	5.3
1,2-Dichloroethane	0.646	0.641	0.610	0.586	0.602	0.606	0.615	3.8
Trichloroethene	0.385	0.356	0.351	0.332	0.354	0.476	0.376	13.8
1,1,2-Trichloroethane	0.375	0.389	0.366	0.356	0.372	0.331	0.365	5.4
Tetrachloroethene	0.347	0.324	0.310	0.301	0.314	0.410	0.334	12.1
1,2-Dichloroethane-d4	0.997	0.848	0.873	0.828	0.900		0.890	7.4
Dibromofluoromethane	0.392	0.353	0.368	0.347	0.379		0.368	5
Toluene-d8	1.362	1.159	1.188	1.132	1.220		1.212	7.4
4-Bromofluorobenzene	0.564	0.482	0.493	0.468	0.501		0.502	7.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046524.D 5 =VX046518.D 20 =VX046519.D 50 =VX046520.D 100 =VX046521.D 150 =VX046522.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.838	0.740	0.653	0.645	0.635	0.654	0.694	11.52
3)	P	Chloromethane	0.713	0.737	0.586	0.573	0.568	0.614	0.632	11.76
4)	C	Vinyl Chloride	0.679	0.697	0.593	0.596	0.591	0.622	0.630	7.46#
5)	T	Bromomethane		0.592	0.429	0.398	0.256	0.237	0.382	37.77
6)	T	Chloroethane	0.509	0.456	0.384	0.373	0.357	0.373	0.409	14.73
7)	T	Trichlorofluor...	1.019	1.136	1.055	1.021	0.988	1.034	1.042	4.89
8)	T	Diethyl Ether	0.412	0.368	0.355	0.356	0.349	0.368	0.368	6.23
9)	T	1,1,2-Trichlor...	0.697	0.699	0.651	0.638	0.616	0.639	0.657	5.19
10)	T	Methyl Iodide		0.653	0.664	0.716	0.744	0.782	0.712	7.65
11)	T	Tert butyl alc...		0.087	0.090	0.098	0.104	0.114	0.099	10.94
12)	CM	1,1-Dichloroet...	0.635	0.663	0.550	0.567	0.561	0.585	0.594	7.64#
13)	T	Acrolein		0.040	0.110	0.112	0.117	0.135	0.103	35.72
14)	T	Allyl chloride	1.283	1.198	1.115	1.130	1.138	1.131	1.166	5.52
15)	T	Acrylonitrile	0.342	0.367	0.368	0.379	0.381	0.403	0.373	5.42
16)	T	Acetone	0.566	0.347	0.334	0.340	0.341	0.360	0.381	23.86
17)	T	Carbon Disulfide	2.313	1.618	1.229	1.218	1.220	1.288	1.481	29.41
18)	T	Methyl Acetate	0.883	0.870	1.082	1.130	1.155	1.237	1.060	14.20
19)	T	Methyl tert-bu...	1.873	2.038	2.050	2.115	2.131	2.256	2.077	6.11
20)	T	Methylene Chlo...	0.868	0.752	0.676	0.662	0.646	0.678	0.714	11.77
21)	T	trans-1,2-Dich...	0.785	0.661	0.580	0.582	0.567	0.594	0.628	13.34
22)	T	Diisopropyl ether	2.017	2.338	2.344	2.343	2.319	2.429	2.298	6.22
23)	T	Vinyl Acetate	1.639	1.727	1.682	1.828	1.831	1.940	1.775	6.31
24)	P	1,1-Dichloroet...	1.281	1.349	1.266	1.259	1.234	1.297	1.281	3.09
25)	T	2-Butanone	0.484	0.459	0.469	0.503	0.511	0.544	0.495	6.28
26)	T	2,2-Dichloropr...	0.900	0.931	0.919	0.966	0.968	1.022	0.951	4.61
27)	T	cis-1,2-Dichlo...	0.866	0.786	0.752	0.741	0.728	0.767	0.773	6.43
28)	T	Bromochloromet...	0.650	0.652	0.592	0.590	0.594	0.589	0.611	5.04
29)	T	Tetrahydrofuran	0.306	0.301	0.291	0.316	0.320	0.342	0.313	5.64
30)	C	Chloroform	1.349	1.392	1.356	1.318	1.290	1.349	1.342	2.59#
31)	T	Cyclohexane		1.172	1.012	0.995	0.974	1.018	1.034	7.64
32)	T	1,1,1-Trichlor...	1.131	1.170	1.131	1.141	1.128	1.188	1.148	2.17
33)	S	1,2-Dichloroet...		0.997	0.848	0.873	0.828	0.900	0.890	7.42
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.392	0.353	0.368	0.347	0.379	0.368	5.01
36)	T	1,1-Dichloropr...	0.660	0.554	0.506	0.485	0.461	0.485	0.525	13.89
37)	T	Ethyl Acetate	0.355	0.483	0.522	0.554	0.566	0.596	0.513	16.84
38)	T	Carbon Tetrach...	0.655	0.599	0.579	0.564	0.554	0.579	0.588	6.09
39)	T	Methylcyclohexane	0.725	0.696	0.576	0.572	0.565	0.587	0.620	11.41
40)	TM	Benzene	1.522	1.597	1.503	1.427	1.380	1.442	1.479	5.25
41)	T	Methacrylonitrile	0.279	0.310	0.335	0.323	0.320	0.344	0.318	7.09
42)	TM	1,2-Dichloroet...	0.606	0.646	0.641	0.610	0.586	0.602	0.615	3.80
43)	T	Isopropyl Acetate	0.772	0.842	0.887	0.923	0.935	1.002	0.894	8.92
44)	TM	Trichloroethene	0.476	0.385	0.356	0.351	0.332	0.354	0.376	13.85
45)	C	1,2-Dichloropr...	0.359	0.393	0.396	0.381	0.370	0.390	0.382	3.84#
46)	T	Dibromomethane	0.291	0.308	0.286	0.279	0.272	0.286	0.287	4.22
47)	T	Bromodichlorom...	0.534	0.580	0.617	0.603	0.589	0.618	0.590	5.32
48)	T	Methyl methacr...	0.395	0.423	0.454	0.481	0.490	0.517	0.460	9.79
49)	T	1,4-Dioxane	0.004	0.006	0.007	0.006	0.007	0.007	0.006	14.38
50)	S	Toluene-d8		1.362	1.159	1.188	1.132	1.220	1.212	7.42
51)	T	4-Methyl-2-Pen...	0.492	0.548	0.583	0.593	0.582	0.609	0.568	7.47
52)	CM	Toluene	0.938	0.980	0.911	0.884	0.849	0.888	0.908	5.04#
53)	T	t-1,3-Dichloro...	0.480	0.469	0.524	0.542	0.559	0.601	0.529	9.38
54)	T	cis-1,3-Dichlo...	0.567	0.567	0.580	0.590	0.595	0.633	0.589	4.15
55)	T	1,1,2-Trichlor...	0.331	0.375	0.389	0.366	0.356	0.372	0.365	5.41
56)	T	Ethyl methacry...	0.456	0.536	0.566	0.583	0.594	0.632	0.561	10.79

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X060625W.M

57)	T	1,3-Dichloropr...	0.653	0.664	0.666	0.636	0.612	0.637	0.644	3.15
58)	T	2-Chloroethyl ...	0.278	0.301	0.302	0.316	0.312	0.326	0.306	5.46
59)	T	2-Hexanone	0.368	0.376	0.416	0.426	0.419	0.438	0.407	6.99
60)	T	Dibromochlorom...	0.405	0.431	0.438	0.432	0.422	0.447	0.429	3.35
61)	T	1,2-Dibromoethane	0.420	0.367	0.380	0.370	0.365	0.378	0.380	5.37
62)	S	4-Bromofluorob...		0.564	0.482	0.493	0.468	0.501	0.502	7.36
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.410	0.347	0.324	0.310	0.301	0.314	0.334	12.07
65)	PM	Chlorobenzene	1.356	1.187	1.152	1.126	1.096	1.139	1.176	7.91
66)	T	1,1,1,2-Tetrac...	0.362	0.394	0.401	0.403	0.404	0.420	0.397	4.87
67)	C	Ethyl Benzene	2.166	2.093	2.029	2.018	1.971	2.041	2.053	3.30#
68)	T	m/p-Xylenes	0.773	0.756	0.750	0.737	0.714	0.738	0.745	2.67
69)	T	o-Xylene	0.719	0.728	0.731	0.716	0.703	0.724	0.720	1.42
70)	T	Styrene	1.209	1.205	1.257	1.257	1.213	1.257	1.233	2.15
71)	P	Bromoform	0.286	0.269	0.300	0.311	0.317	0.335	0.303	7.76
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.896	3.936	3.949	3.909	3.828	4.064	3.930	1.98
74)	T	N-amyl acetate	1.424	1.613	1.673	1.803	1.854	2.019	1.731	11.98
75)	P	1,1,2,2-Tetrac...	1.148	1.294	1.294	1.257	1.249	1.306	1.258	4.65
76)	T	1,2,3-Trichlor...	1.091	1.022	1.076	1.049	1.025	1.092	1.059	2.97
77)	T	Bromobenzene	0.958	0.904	0.925	0.881	0.878	0.928	0.912	3.36
78)	T	n-propylbenzene	5.051	4.659	4.775	4.693	4.553	4.813	4.757	3.58
79)	T	2-Chlorotoluene	3.087	2.885	2.870	2.786	2.721	2.866	2.869	4.31
80)	T	1,3,5-Trimethy...	3.322	3.329	3.297	3.243	3.147	3.314	3.275	2.14
81)	T	trans-1,4-Dich...		0.274	0.352	0.370	0.398	0.442	0.367	16.86
82)	T	4-Chlorotoluene	3.872	3.390	3.342	3.293	3.177	3.329	3.400	7.12
83)	T	tert-Butylbenzene	3.284	3.341	3.364	3.287	3.248	3.482	3.334	2.50
84)	T	1,2,4-Trimethy...	3.406	3.309	3.360	3.256	3.194	3.356	3.313	2.34
85)	T	sec-Butylbenzene	4.458	4.350	4.296	4.172	4.096	4.334	4.284	3.04
86)	T	p-Isopropyltol...	3.910	3.509	3.554	3.484	3.397	3.575	3.572	4.96
87)	T	1,3-Dichlorobe...	2.105	1.745	1.714	1.684	1.642	1.740	1.772	9.46
88)	T	1,4-Dichlorobe...	2.421	1.804	1.736	1.675	1.627	1.752	1.836	15.98
89)	T	n-Butylbenzene	4.197	3.319	3.378	3.354	3.310	3.487	3.507	9.80
90)	T	Hexachloroethane	0.682	0.599	0.602	0.610	0.633	0.683	0.635	6.11
91)	T	1,2-Dichlorobe...	1.908	1.730	1.693	1.639	1.595	1.695	1.710	6.32
92)	T	1,2-Dibromo-3-...	0.238	0.250	0.272	0.285	0.309	0.337	0.282	13.06
93)	T	1,2,4-Trichlor...	1.513	1.038	1.085	1.077	1.093	1.194	1.167	15.22
94)	T	Hexachlorobuta...	0.695	0.526	0.508	0.501	0.497	0.525	0.542	14.01
95)	T	Naphthalene	3.783	3.138	3.527	3.726	3.816	4.205	3.699	9.53
96)	T	1,2,3-Trichlor...	1.500	1.042	1.078	1.092	1.108	1.198	1.170	14.55

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	104428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181356	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	164496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	10415	5.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.220%#		
35) Dibromofluoromethane	5.391	113	7110	5.331	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.660%#		
50) Toluene-d8	8.653	98	24704	5.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.240%#		
62) 4-Bromofluorobenzene	11.079	95	10224	5.620	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	11.240%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	7726	5.329	ug/l	99
3) Chloromethane	1.307	50	7698	5.833	ug/l	99
4) Vinyl Chloride	1.386	62	7283	5.536	ug/l	92
5) Bromomethane	1.618	94	6181	7.740	ug/l	89
6) Chloroethane	1.697	64	4764	5.582	ug/l	98
7) Trichlorofluoromethane	1.904	101	11861	5.450	ug/l	97
8) Diethyl Ether	2.148	74	3843	4.997	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	7299	5.323	ug/l	98
10) Methyl Iodide	2.465	142	6815	4.585	ug/l	96
11) Tert butyl alcohol	2.971	59	4565	22.143	ug/l	97
12) 1,1-Dichloroethene	2.331	96	6923	5.584	ug/l	92
13) Acrolein	2.246	56	2067	37.301	ug/l	95
14) Allyl chloride	2.678	41	12513	5.139	ug/l	99
15) Acrylonitrile	3.075	53	19139	24.554	ug/l	100
16) Acetone	2.392	43	18117	28.970	ug/l	92
17) Carbon Disulfide	2.526	76	16895	6.594	ug/l	99
18) Methyl Acetate	2.715	43	9089	4.107	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	21281	4.905	ug/l	100
20) Methylene Chloride	2.800	84	7851	5.267	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	6901	5.260	ug/l	87
22) Diisopropyl ether	3.770	45	24417	5.086	ug/l #	55
23) Vinyl Acetate	3.739	43	90187	24.333	ug/l	97
24) 1,1-Dichloroethane	3.617	63	14092	5.267	ug/l	98
25) 2-Butanone	4.581	43	23977	23.183	ug/l	98
26) 2,2-Dichloropropane	4.483	77	9718	4.893	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	8212	5.084	ug/l	97
28) Bromochloromethane	4.910	49	6807	5.334	ug/l #	99
29) Tetrahydrofuran	5.026	42	15713	24.057	ug/l	93
30) Chloroform	5.099	83	14532	5.184	ug/l	94
31) Cyclohexane	5.483	56	12241	5.667	ug/l	89
32) 1,1,1-Trichloroethane	5.391	97	12216	5.094	ug/l	97
36) 1,1-Dichloropropene	5.702	75	10048	5.274	ug/l	96
37) Ethyl Acetate	4.733	43	8766	4.716	ug/l #	89
38) Carbon Tetrachloride	5.690	117	10857	5.088	ug/l	98
39) Methylcyclohexane	7.385	83	12614	5.610	ug/l	97
40) Benzene	6.044	78	28961	5.400	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	5621	4.868	ug/l	#	90
42) 1,2-Dichloroethane	6.092	62	11718	5.252	ug/l		100
43) Isopropyl Acetate	6.349	43	15275	4.712	ug/l	#	97
44) Trichloroethene	7.129	130	6978	5.121	ug/l		99
45) 1,2-Dichloropropane	7.434	63	7132	5.152	ug/l		97
46) Dibromomethane	7.586	93	5588	5.366	ug/l		97
47) Bromodichloromethane	7.824	83	10524	4.915	ug/l		97
48) Methyl methacrylate	7.708	41	7663	4.595	ug/l		97
49) 1,4-Dioxane	7.665	88	2221	99.585	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	49709	24.133	ug/l		99
52) Toluene	8.720	92	17773	5.394	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	8503	4.429	ug/l		100
54) cis-1,3-Dichloropropene	8.373	75	10282	4.817	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6794	5.136	ug/l		97
56) Ethyl methacrylate	9.122	69	9723	4.777	ug/l		97
57) 1,3-Dichloropropane	9.311	76	12033	5.148	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.245	63	27324	24.645	ug/l		97
59) 2-Hexanone	9.433	43	34128	23.102	ug/l		98
60) Dibromochloromethane	9.519	129	7808	5.018	ug/l		96
61) 1,2-Dibromoethane	9.610	107	6661	4.833	ug/l		94
64) Tetrachloroethene	9.275	164	5704	5.186	ug/l		90
65) Chlorobenzene	10.080	112	19529	5.048	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	6488	4.963	ug/l		98
67) Ethyl Benzene	10.195	91	34429	5.098	ug/l		98
68) m/p-Xylenes	10.299	106	24857	10.146	ug/l		99
69) o-Xylene	10.640	106	11976	5.054	ug/l		99
70) Styrene	10.659	104	19826	4.888	ug/l		98
71) Bromoform	10.799	173	4418	4.432	ug/l	#	96
73) Isopropylbenzene	10.964	105	32087	5.007	ug/l		99
74) N-amyl acetate	10.848	43	13145	4.658	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.214	83	10551	5.144	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	8330m	4.746	ug/l		
77) Bromobenzene	11.195	156	7367	4.953	ug/l		98
78) n-propylbenzene	11.305	91	37974	4.896	ug/l		99
79) 2-Chlorotoluene	11.366	91	23514	5.028	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	27140	5.083	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	2236	3.736	ug/l	#	77
82) 4-Chlorotoluene	11.457	91	27633	4.985	ug/l		97
83) tert-Butylbenzene	11.713	119	27238	5.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	26973	4.993	ug/l		97
85) sec-Butylbenzene	11.890	105	35458	5.077	ug/l		97
86) p-Isopropyltoluene	12.006	119	28606	4.913	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	14222	4.924	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	14704	4.913	ug/l		87
89) n-Butylbenzene	12.329	91	27055	4.731	ug/l		99
90) Hexachloroethane	12.536	117	4884	4.719	ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	14100	5.058	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2035	4.431	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	8458	4.447	ug/l		99
94) Hexachlorobutadiene	13.725	225	4285	4.848	ug/l		97
95) Naphthalene	13.774	128	25583	4.242	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	8491	4.453	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

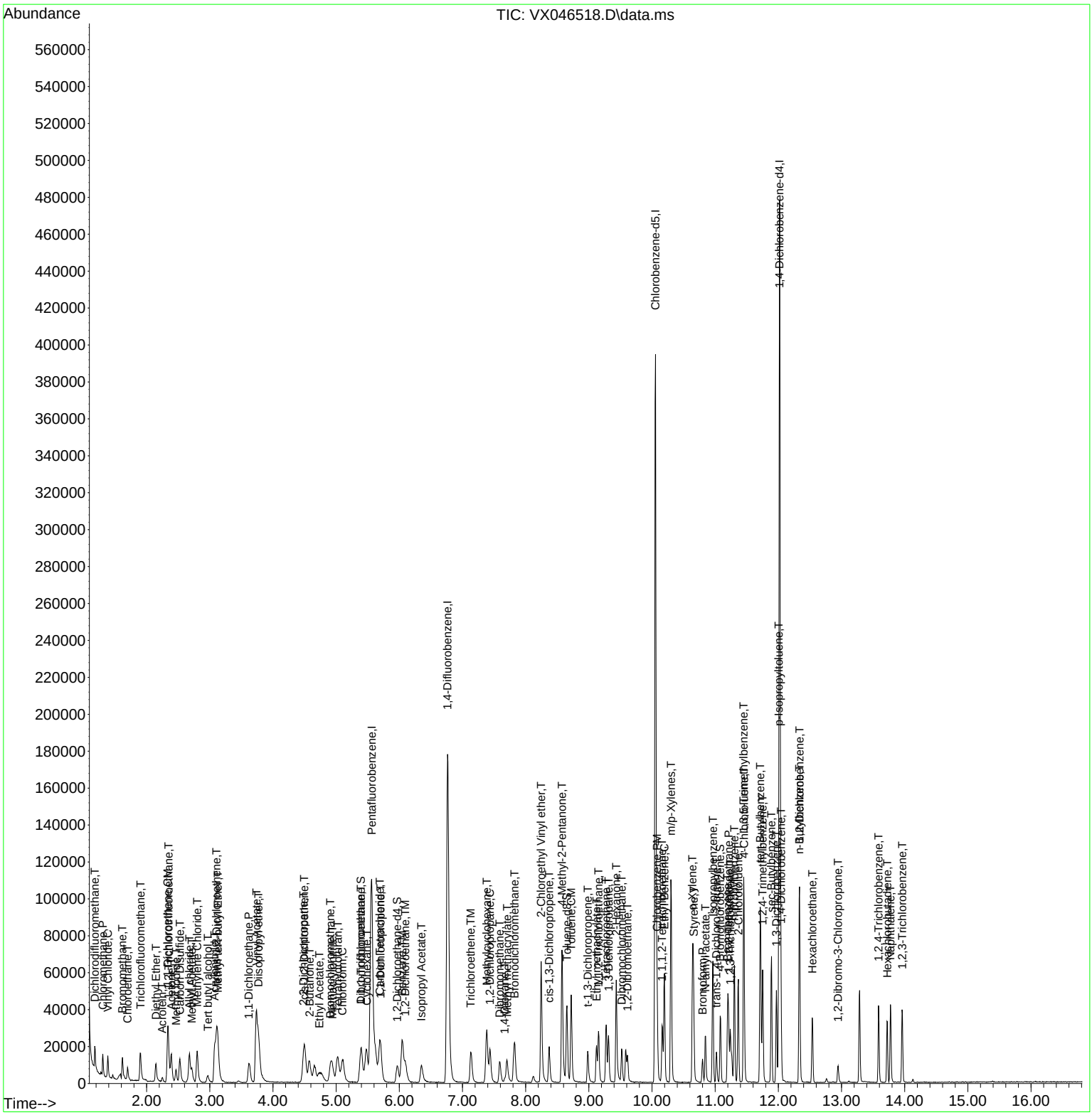
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Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

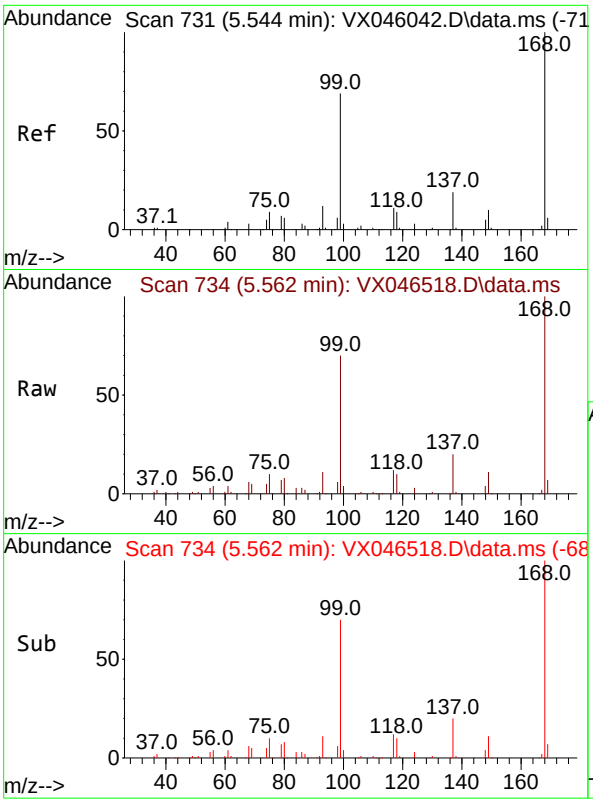
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

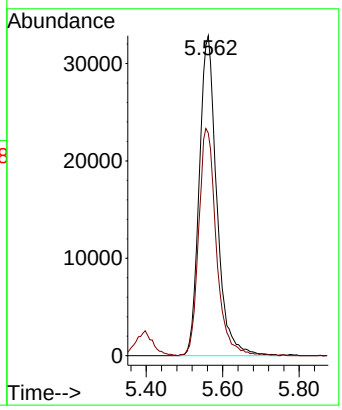




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:168 Resp: 10442

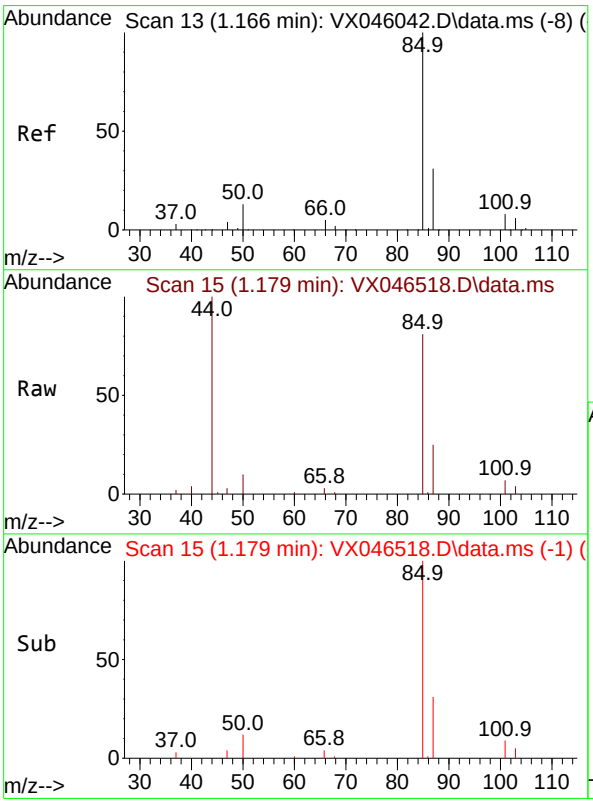
Ion	Ratio	Lower	Upper
168	100		
99	69.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

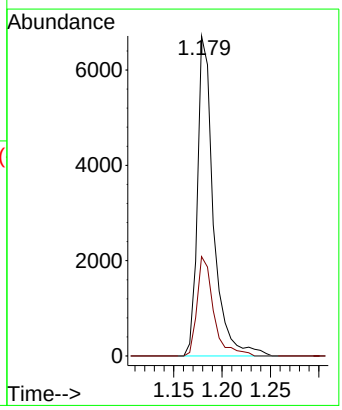
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

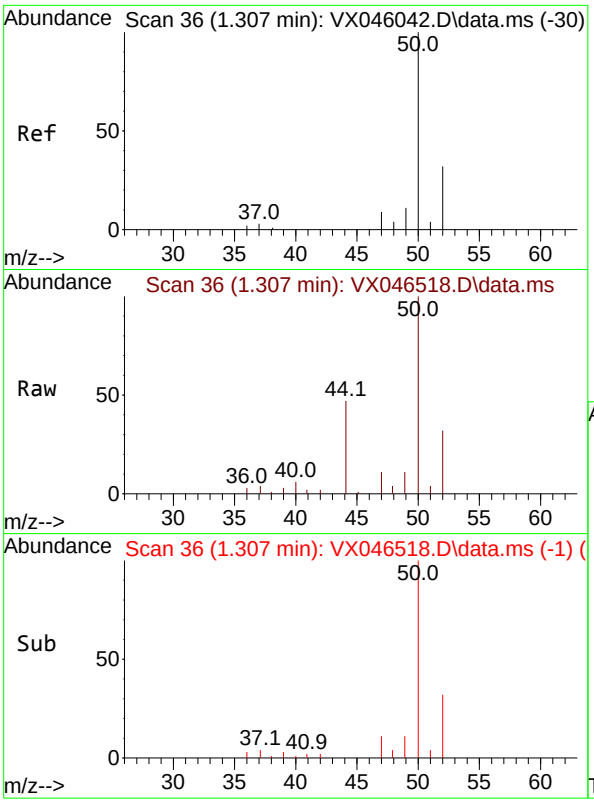


#2
Dichlorodifluoromethane
Concen: 5.329 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 85 Resp: 7726

Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.7	47.1

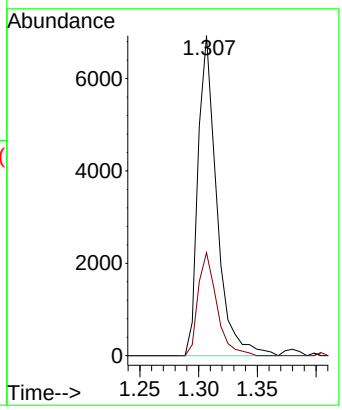




#3
Chloromethane
Concen: 5.833 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 50 Resp: 769

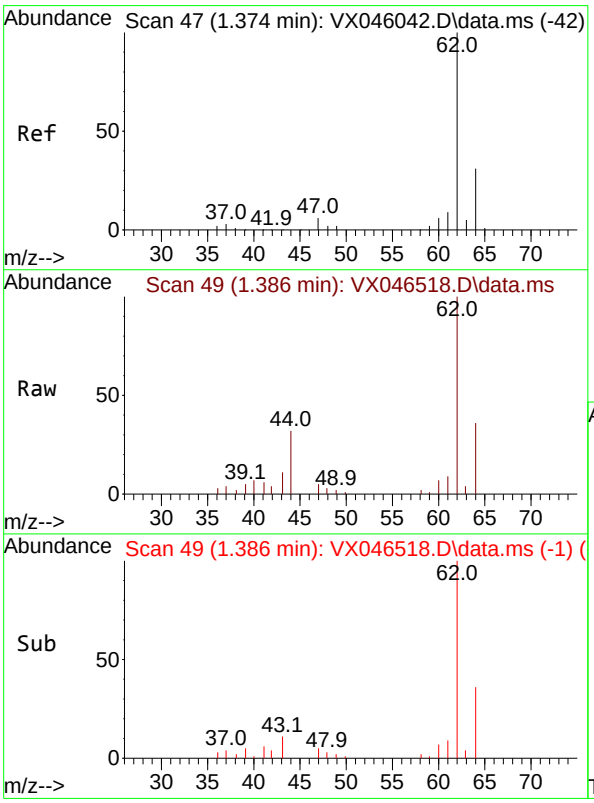
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

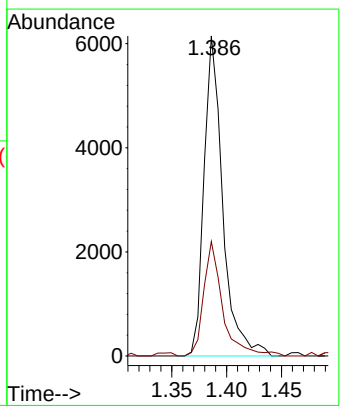
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

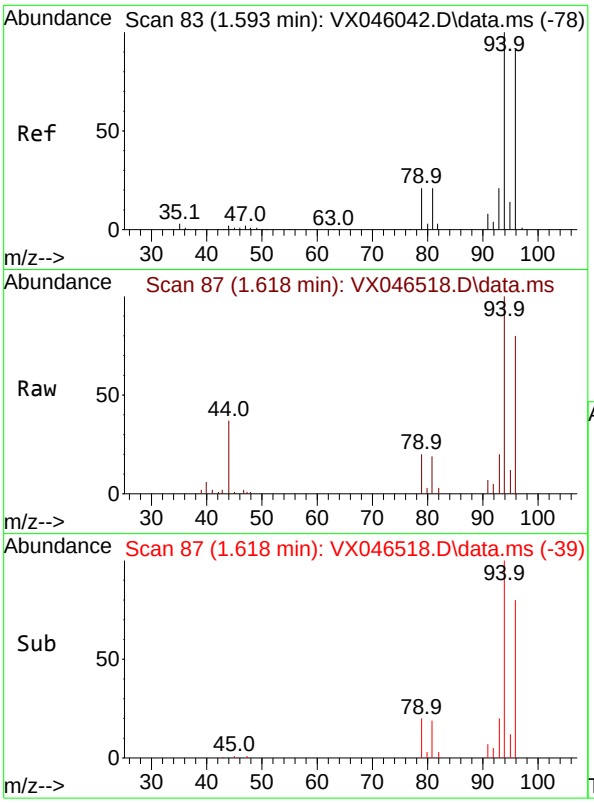


#4
Vinyl Chloride
Concen: 5.536 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 62 Resp: 7283

Ion	Ratio	Lower	Upper
62	100		
64	35.8	25.2	37.8

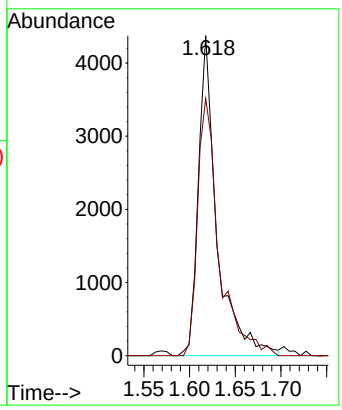




#5
Bromomethane
Concen: 7.740 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 94 Resp: 618

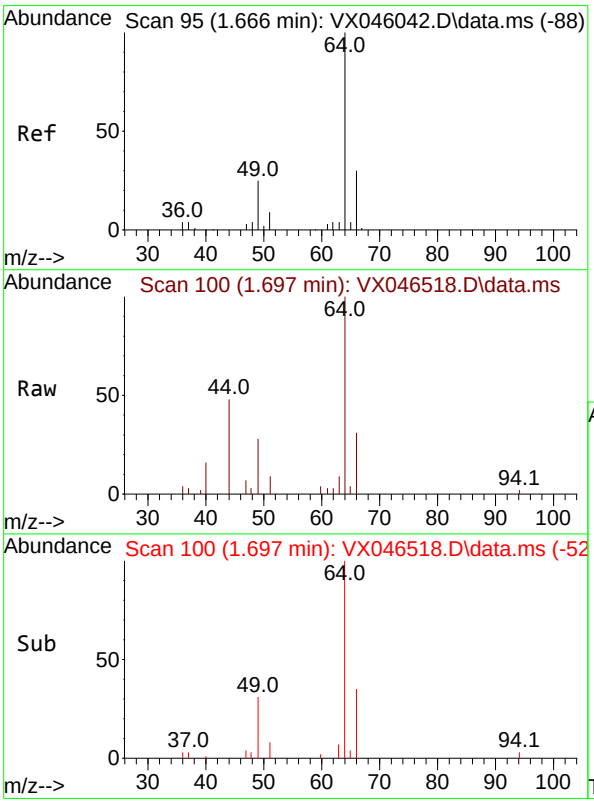
Ion	Ratio	Lower	Upper
94	100		
96	80.3	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

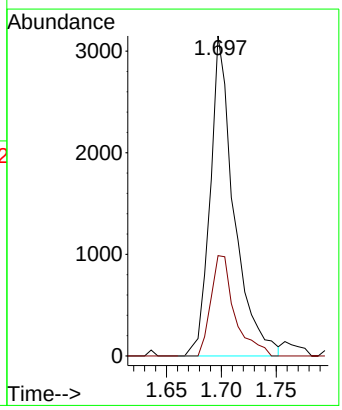
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

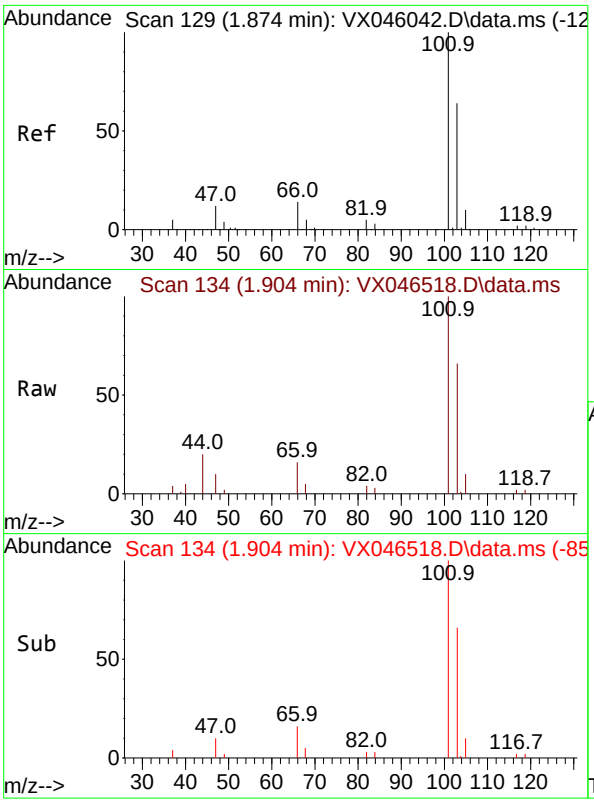


#6
Chloroethane
Concen: 5.582 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 64 Resp: 4764

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

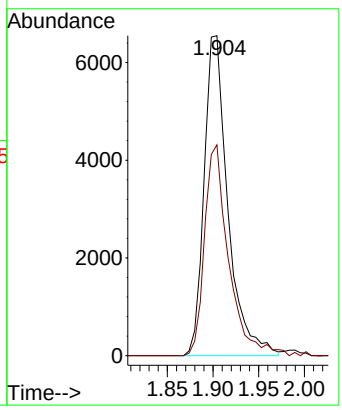




#7
Trichlorofluoromethane
Concen: 5.450 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:101 Resp: 1186

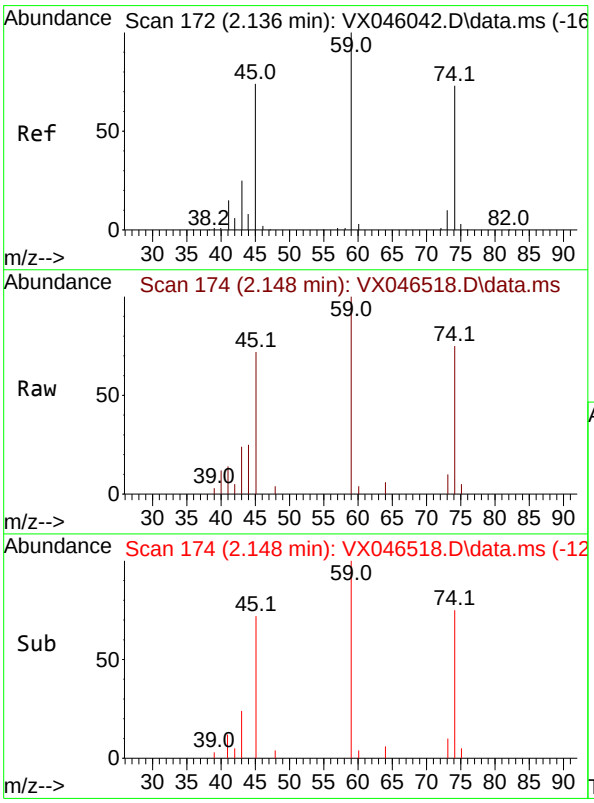
Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

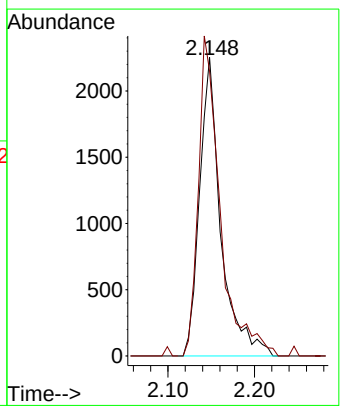
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

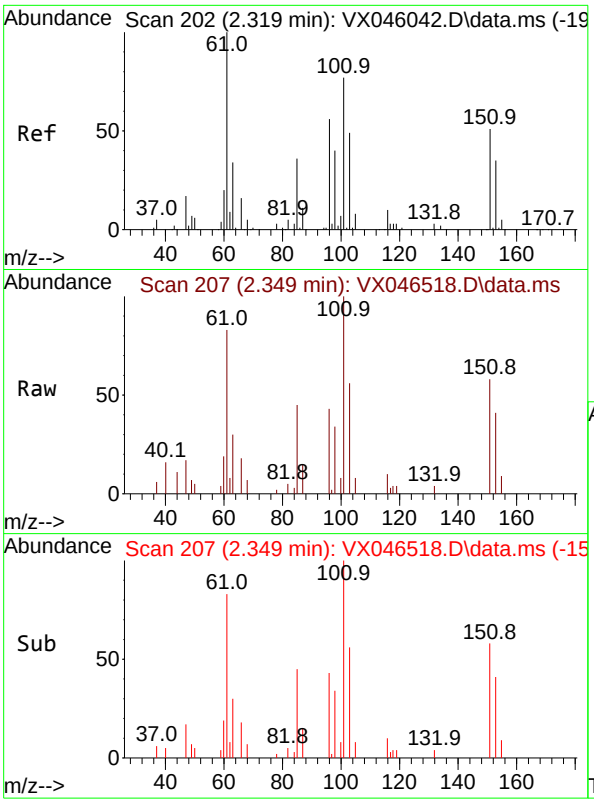


#8
Diethyl Ether
Concen: 4.997 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 74 Resp: 3843

Ion	Ratio	Lower	Upper
74	100		
45	110.0	54.9	164.8

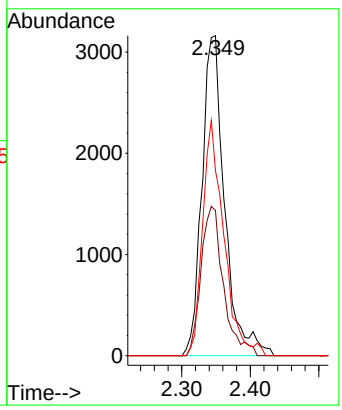




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.323 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:101 Resp: 729

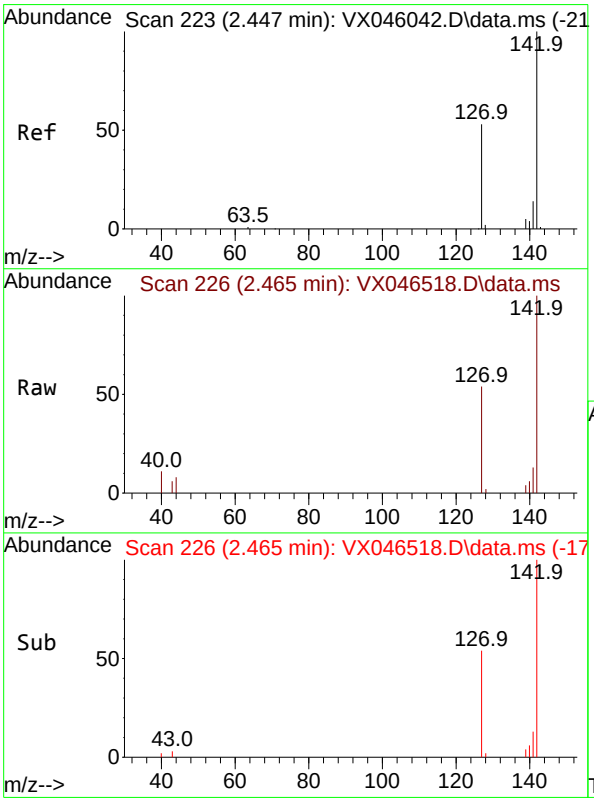
Ion	Ratio	Lower	Upper
101	100		
85	46.0	38.6	58.0
151	68.4	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

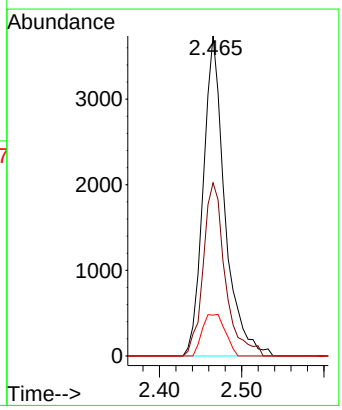
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

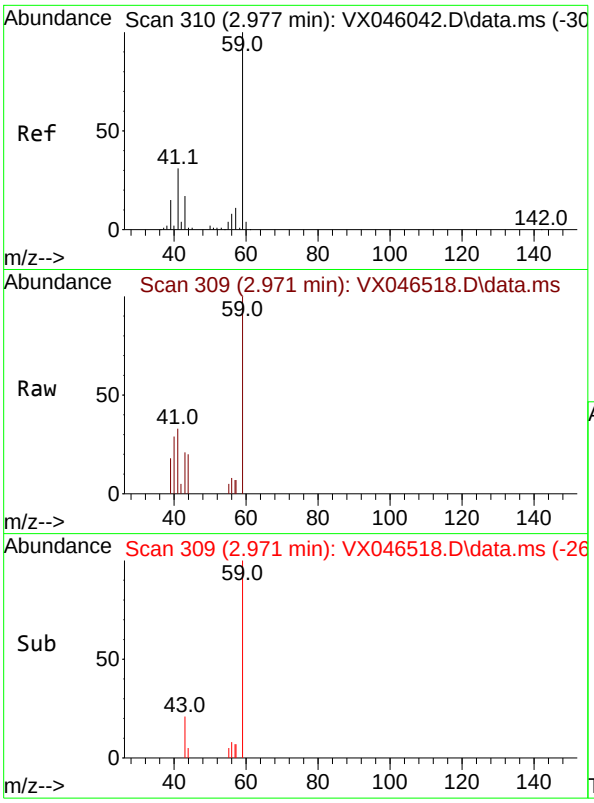


#10
Methyl Iodide
Concen: 4.585 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:142 Resp: 6815

Ion	Ratio	Lower	Upper
142	100		
127	55.0	41.7	62.5
141	13.8	11.5	17.3

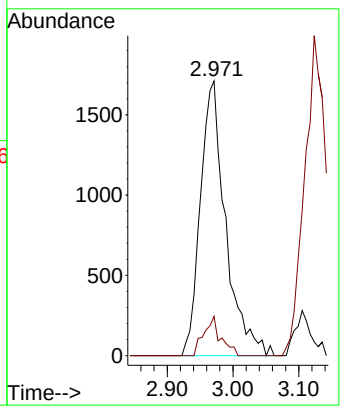




#11
Tert butyl alcohol
Concen: 22.143 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 59 Resp: 456

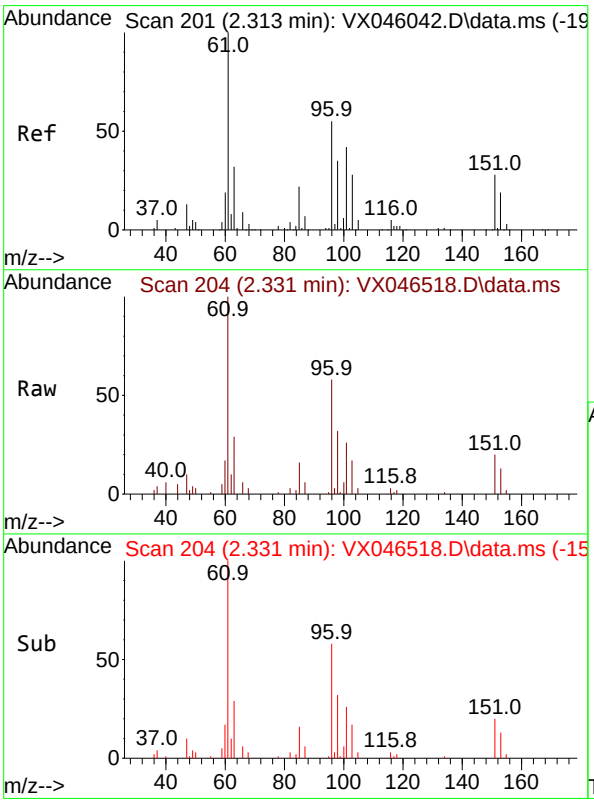
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

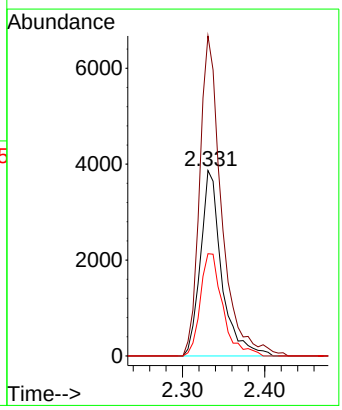
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

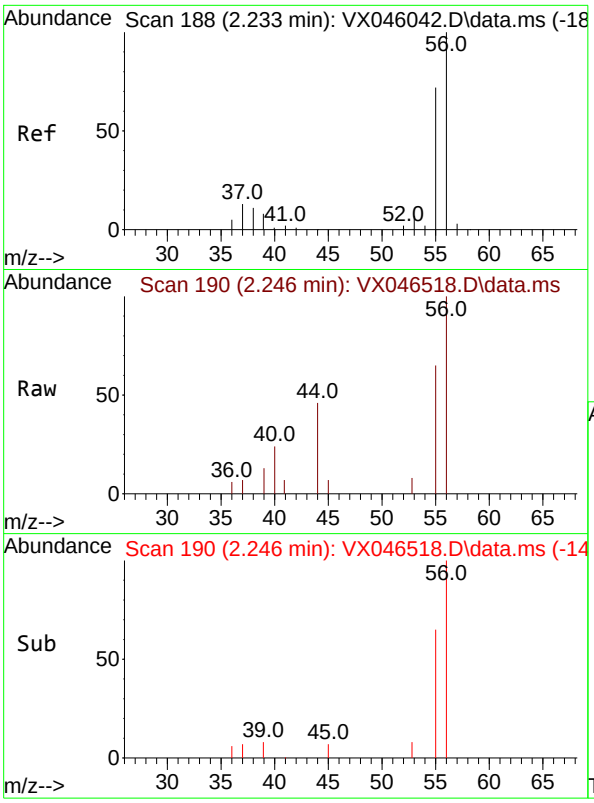


#12
1,1-Dichloroethene
Concen: 5.584 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 96 Resp: 6923

Ion	Ratio	Lower	Upper
96	100		
61	172.5	146.2	219.2
98	55.2	51.0	76.6

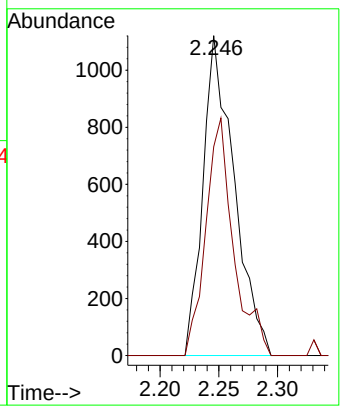




#13
Acrolein
Concen: 37.301 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 56 Resp: 206

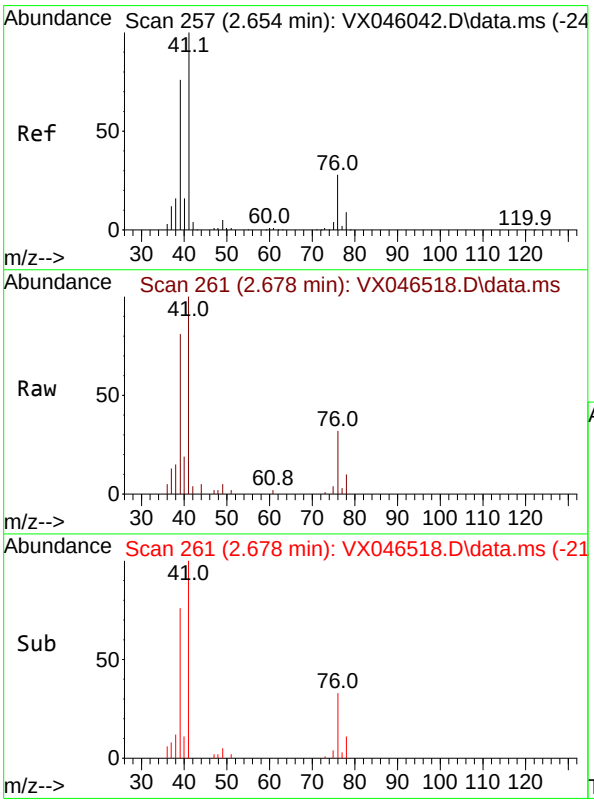
Ion	Ratio	Lower	Upper
56	100		
55	66.2	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

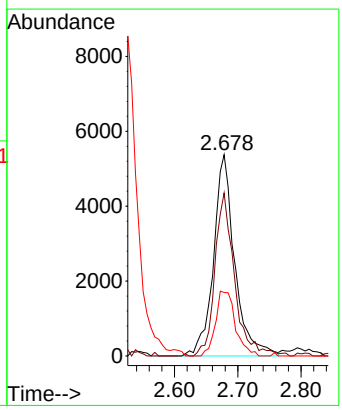
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

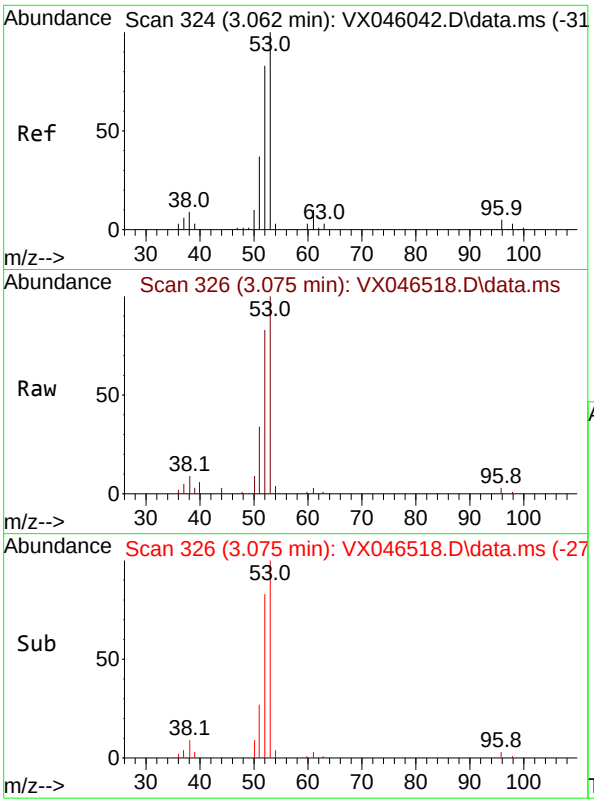


#14
Allyl chloride
Concen: 5.139 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 41 Resp: 12513

Ion	Ratio	Lower	Upper
41	100		
39	74.9	60.6	90.8
76	30.0	24.9	37.3

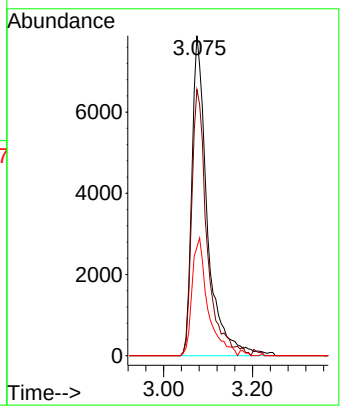




#15
Acrylonitrile
Concen: 24.554 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 53 Resp: 1913

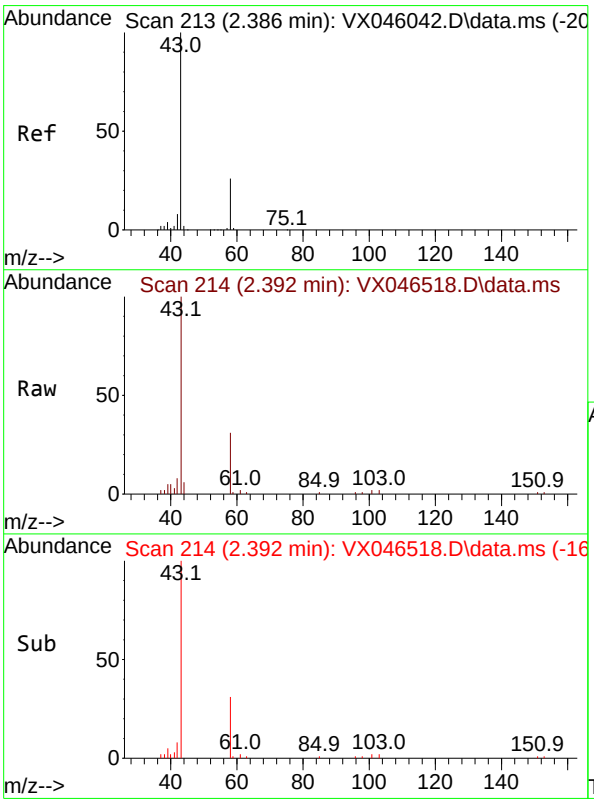
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	37.2	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

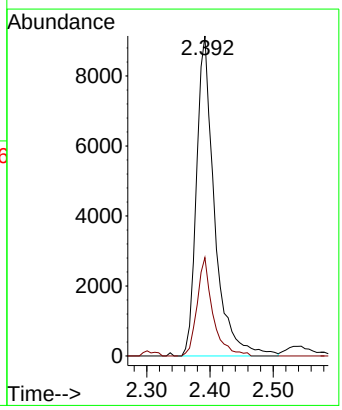
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

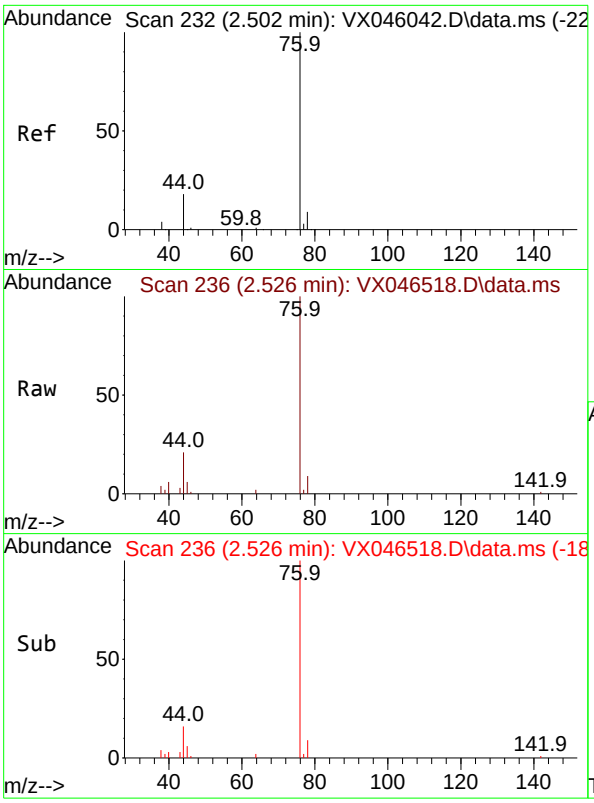


#16
Acetone
Concen: 28.970 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 18117

Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.2	31.8

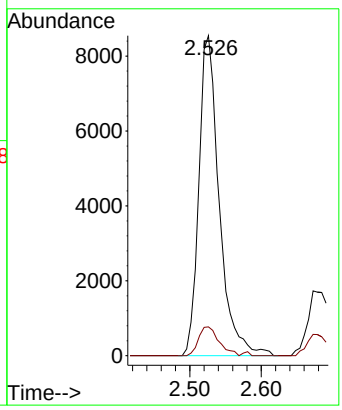




#17
Carbon Disulfide
Concen: 6.594 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 76 Resp: 1689

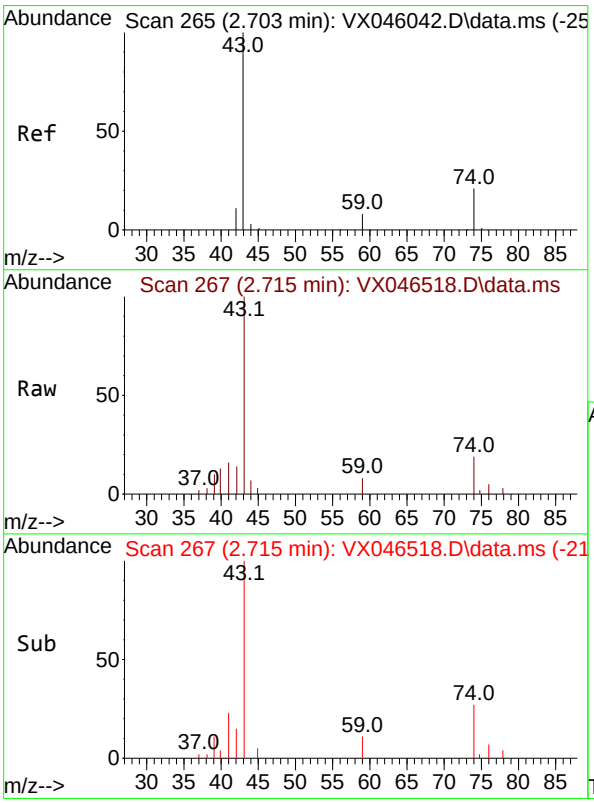
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

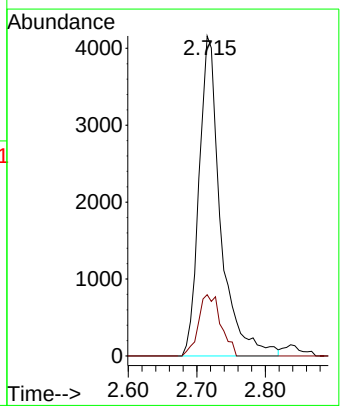
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

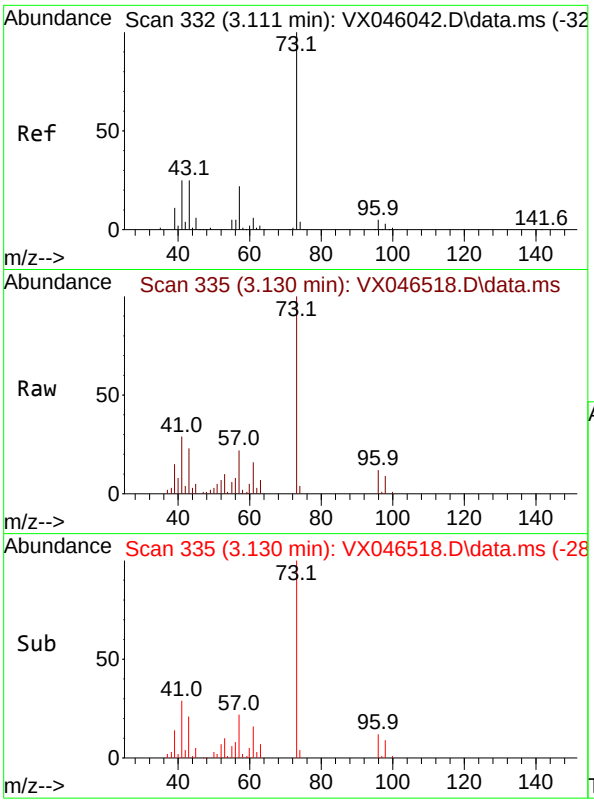


#18
Methyl Acetate
Concen: 4.107 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 9089

Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.7	25.1

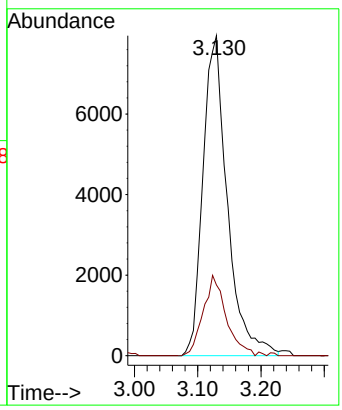




#19
Methyl tert-butyl Ether
Concen: 4.905 ug/l
RT: 3.130 min Scan# 3
Delta R.T. -0.005 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 73 Resp: 2128

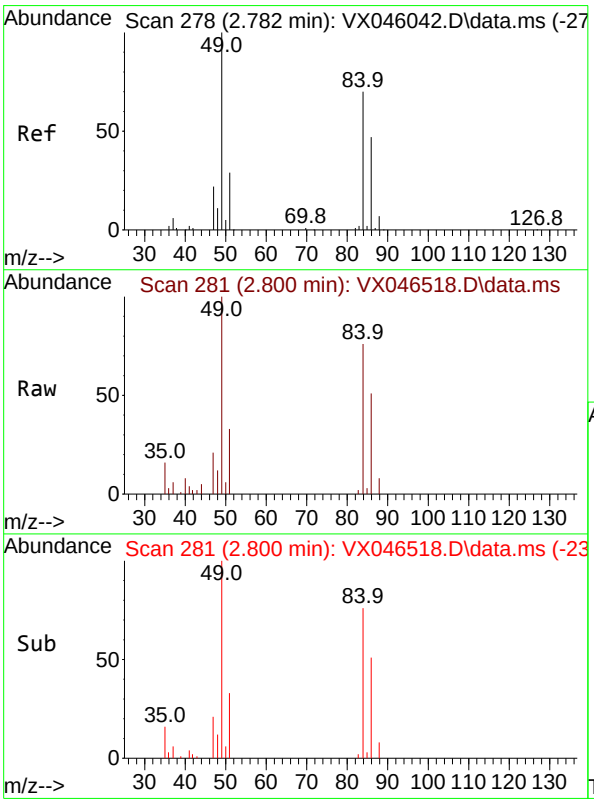
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

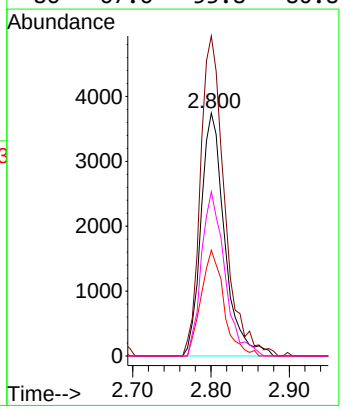
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

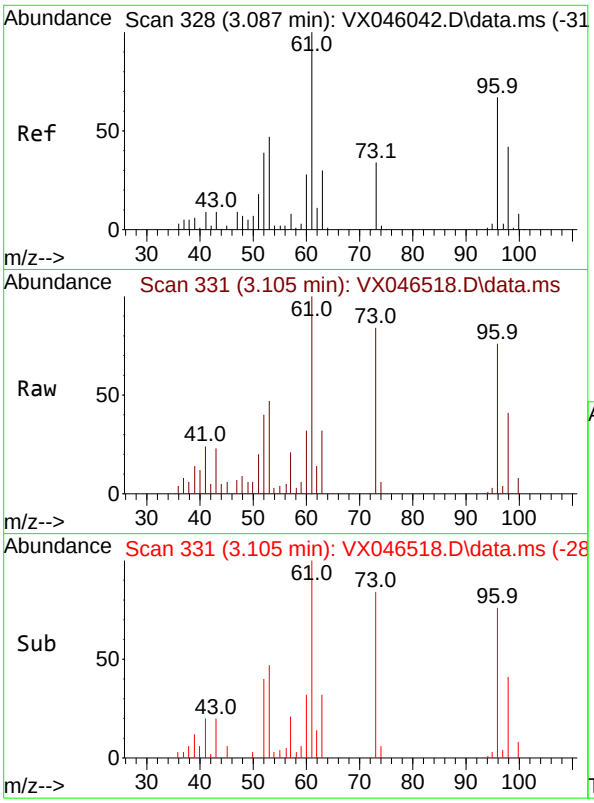


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 84 Resp: 7851

Ion	Ratio	Lower	Upper
84	100		
49	131.8	113.9	170.9
51	43.5	33.5	50.3
86	67.6	53.8	80.8

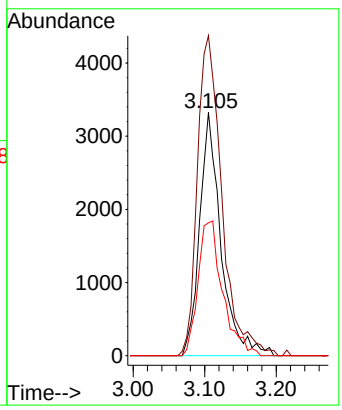




#21
trans-1,2-Dichloroethene
Concen: 5.260 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 96 Resp: 690

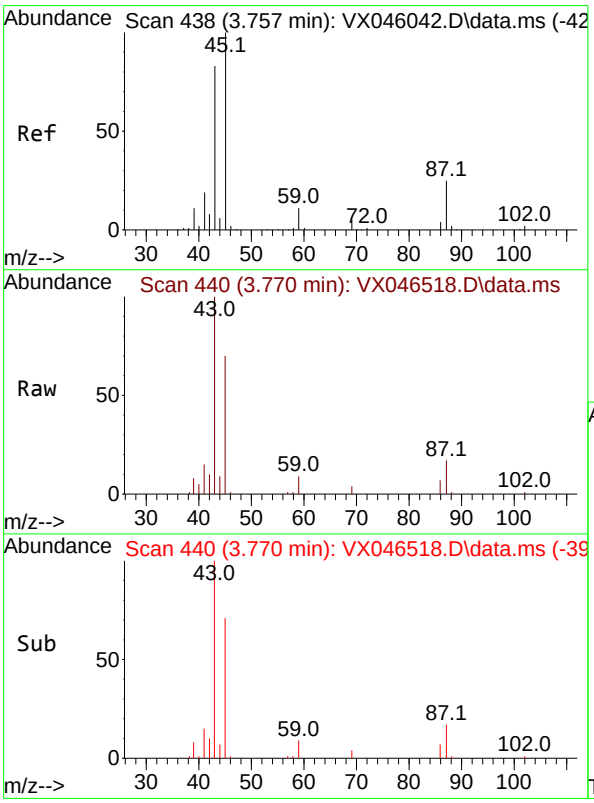
Ion	Ratio	Lower	Upper
96	100		
61	131.6	119.5	179.3
98	54.6	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

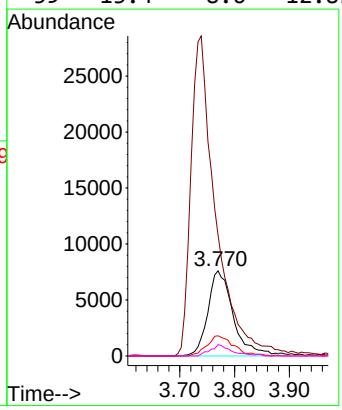
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

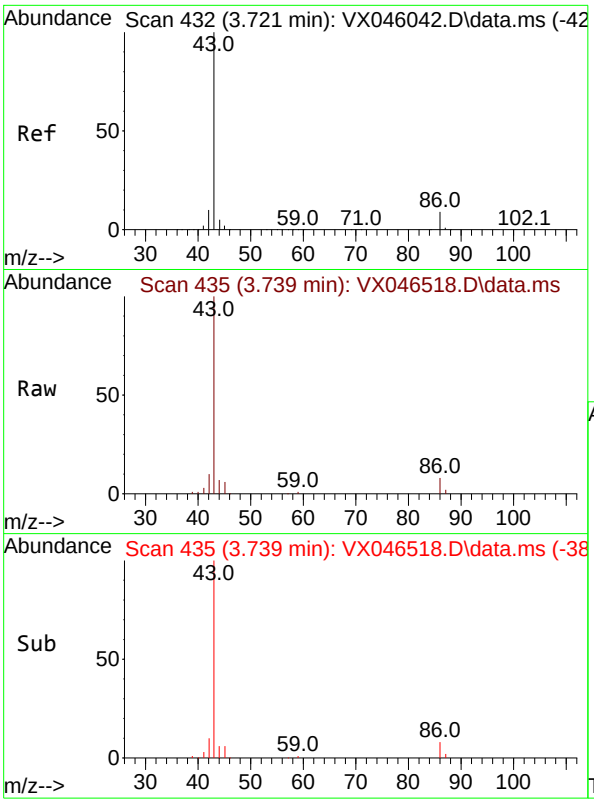


#22
Diisopropyl ether
Concen: 5.086 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 45 Resp: 24417

Ion	Ratio	Lower	Upper
45	100		
43	139.2	66.6	100.0#
87	23.6	19.8	29.6
59	13.4	8.6	12.8#

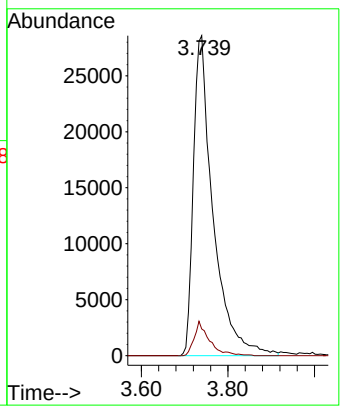




#23
Vinyl Acetate
Concen: 24.333 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 9018

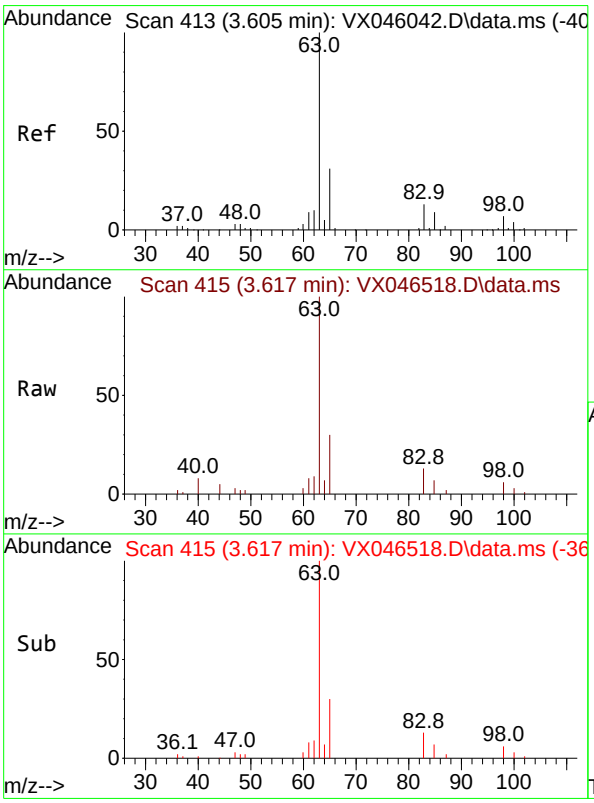
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

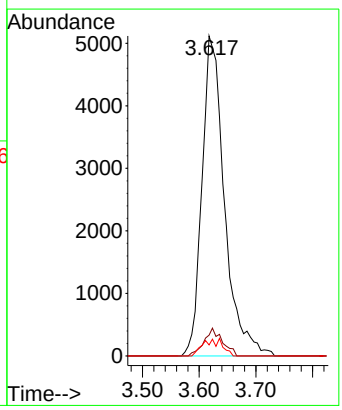
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

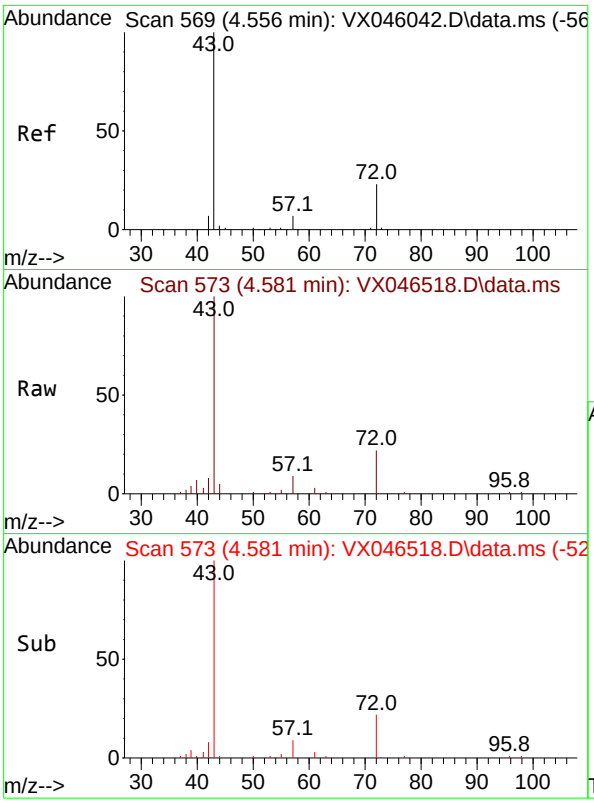


#24
1,1-Dichloroethane
Concen: 5.267 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 63 Resp: 14092

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	3.4	2.1	6.3

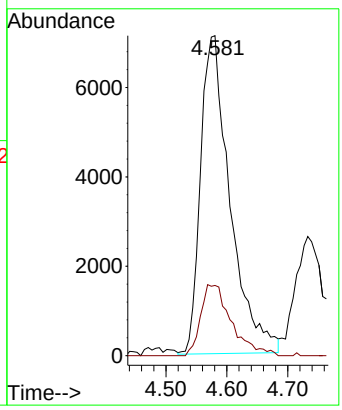




#25
2-Butanone
Concen: 23.183 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 2397

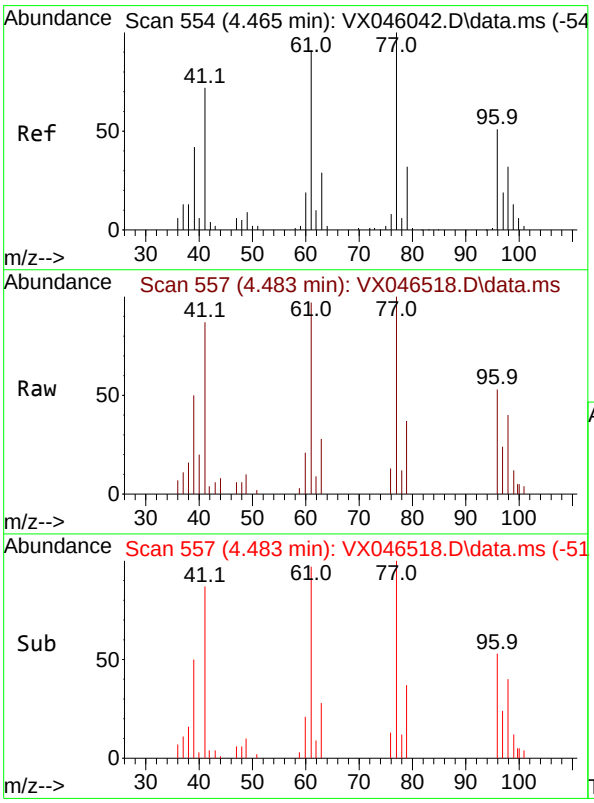
Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

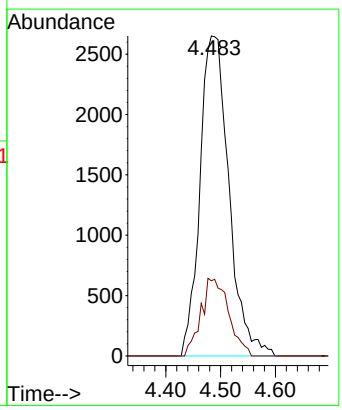
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

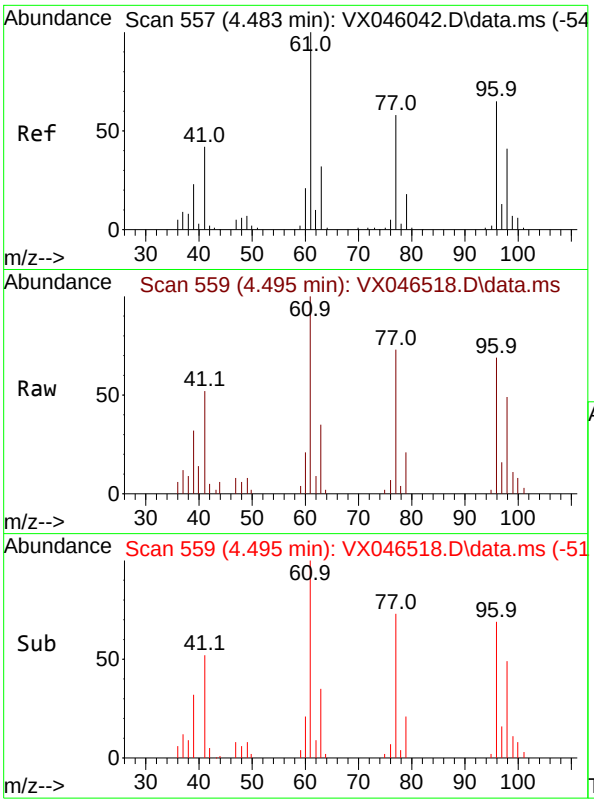


#26
2,2-Dichloropropane
Concen: 4.893 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 77 Resp: 9718

Ion	Ratio	Lower	Upper
77	100		
97	23.2	10.5	31.5

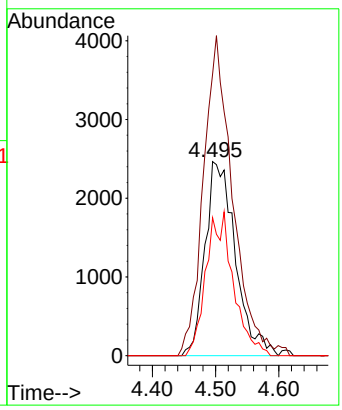




#27
cis-1,2-Dichloroethene
Concen: 5.084 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 96 Resp: 821

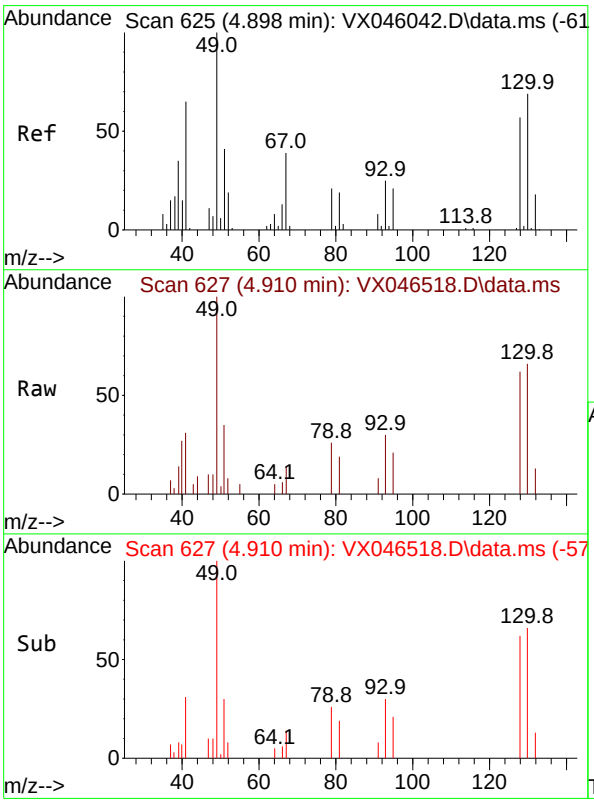
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	322.8
98	66.6	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

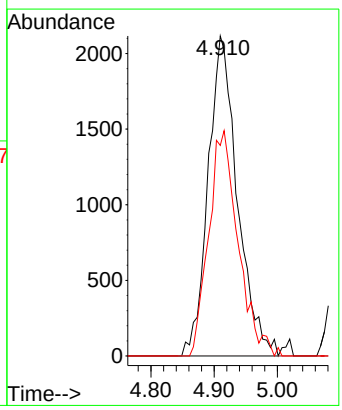
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

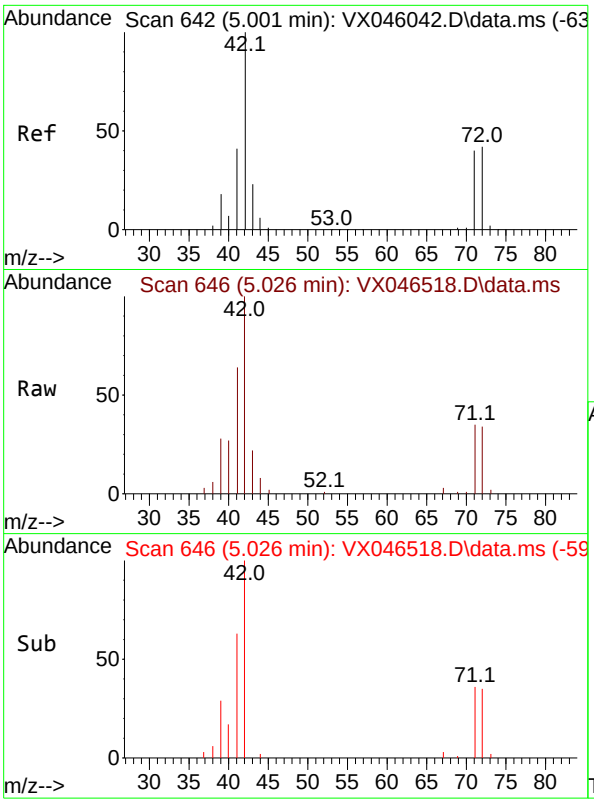


#28
Bromochloromethane
Concen: 5.334 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 49 Resp: 6807

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	56.2	84.2





#29
Tetrahydrofuran
Concen: 24.057 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

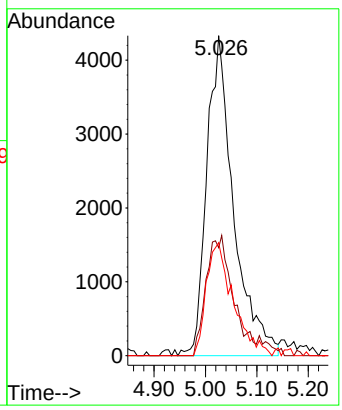
Tgt Ion: 42 Resp: 1571

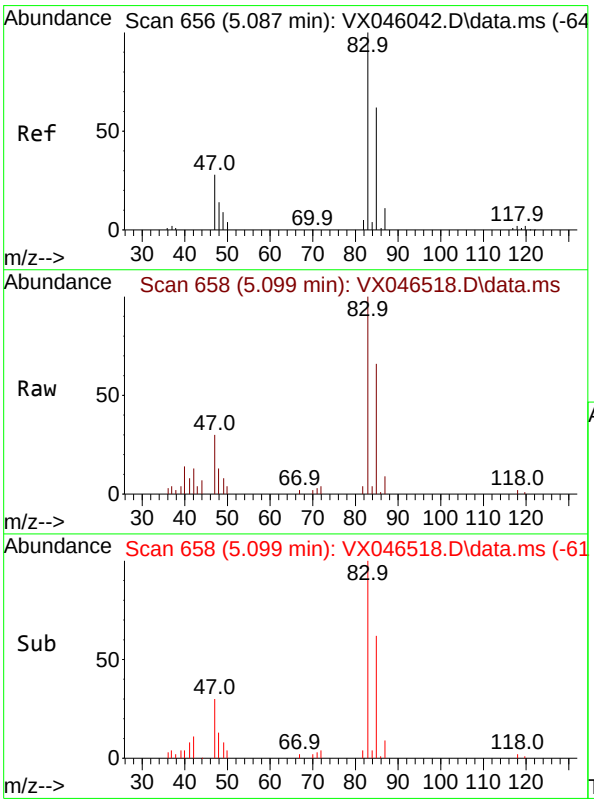
Ion	Ratio	Lower	Upper
42	100		
72	37.4	33.7	50.5
71	35.4	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

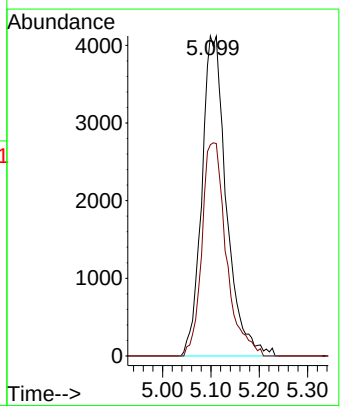


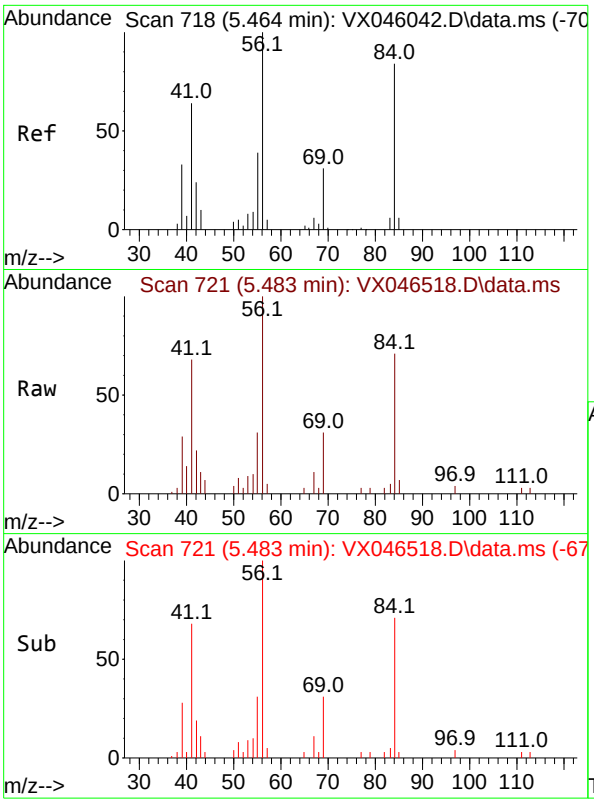


#30
Chloroform
Concen: 5.184 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 83 Resp: 14532

Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.3	73.9

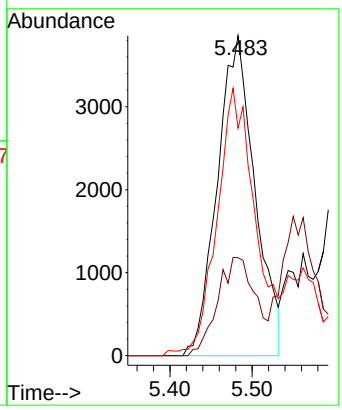




#31
Cyclohexane
Concen: 5.667 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 56 Resp: 1224

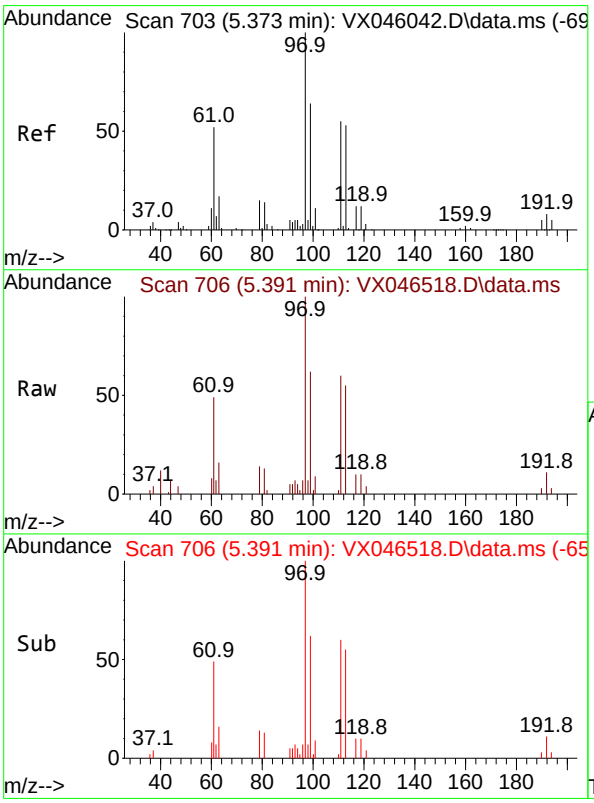
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	69.7	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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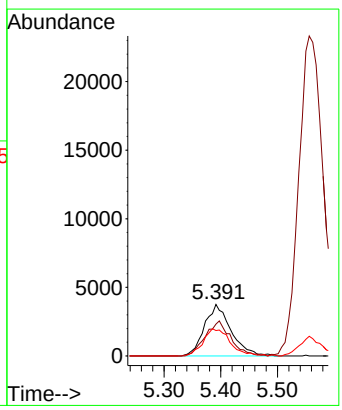
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

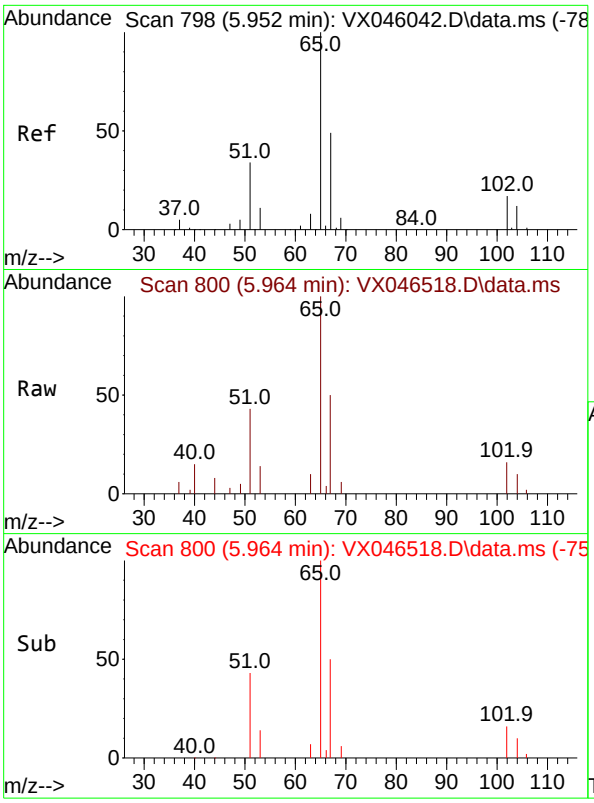


#32
1,1,1-Trichloroethane
Concen: 5.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 97 Resp: 12216

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	53.6	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 5.606 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

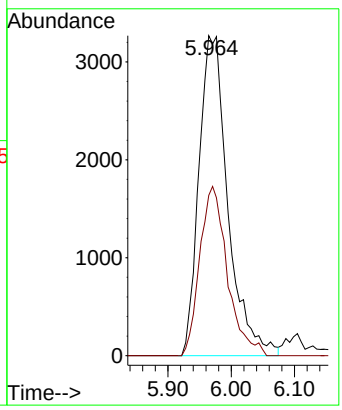
Tgt Ion: 65 Resp: 1041

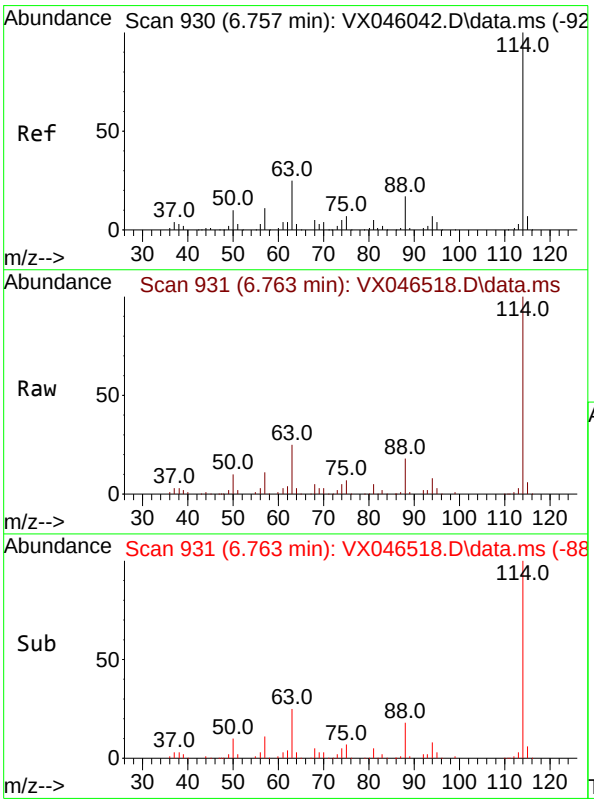
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

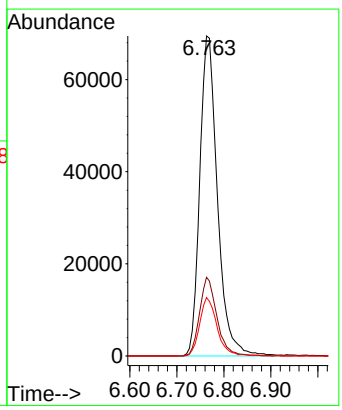


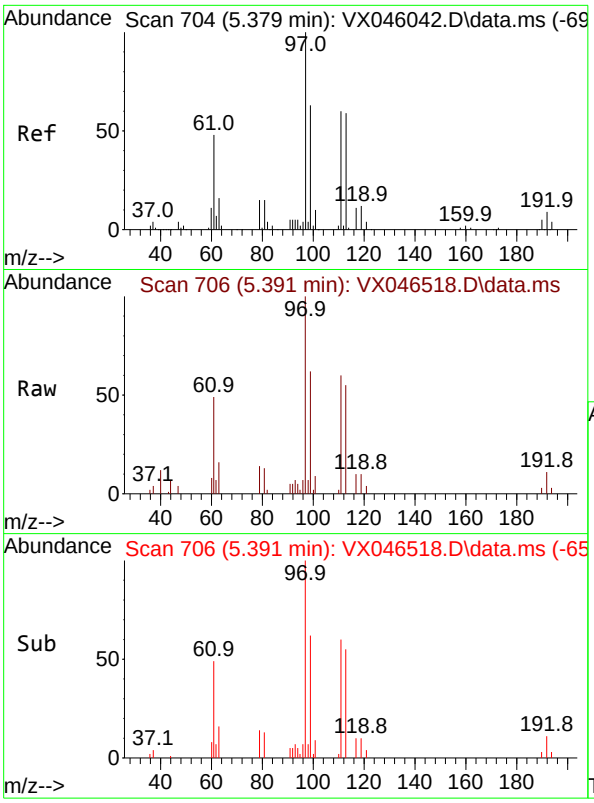


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:114 Resp: 181356

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	18.2	0.0	33.6

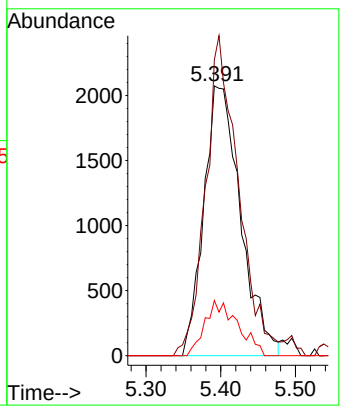




#35
Dibromofluoromethane
Concen: 5.331 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:113 Resp: 711

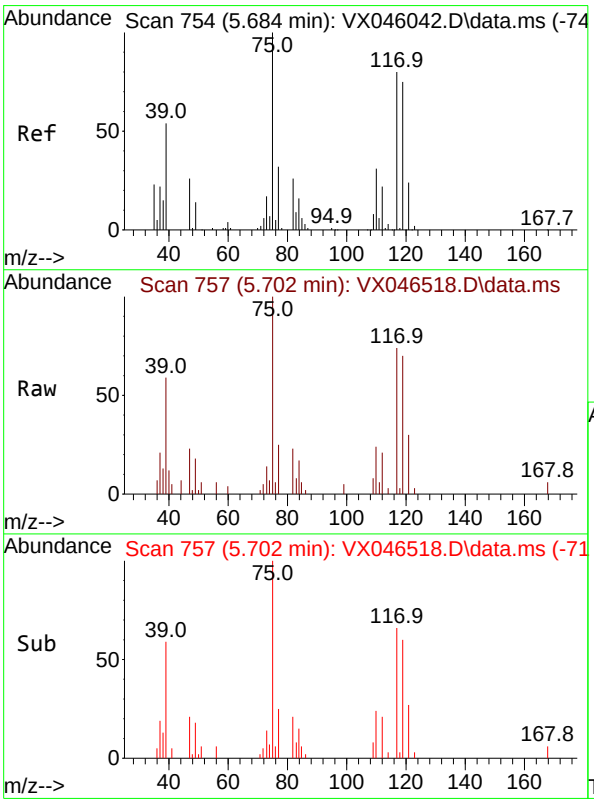
Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.1	124.7
192	18.1	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

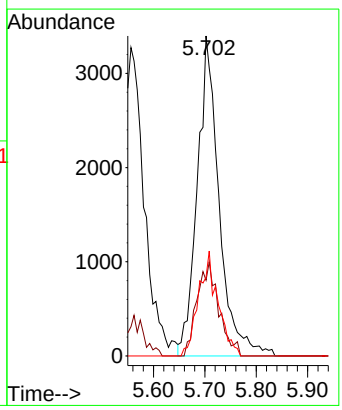
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

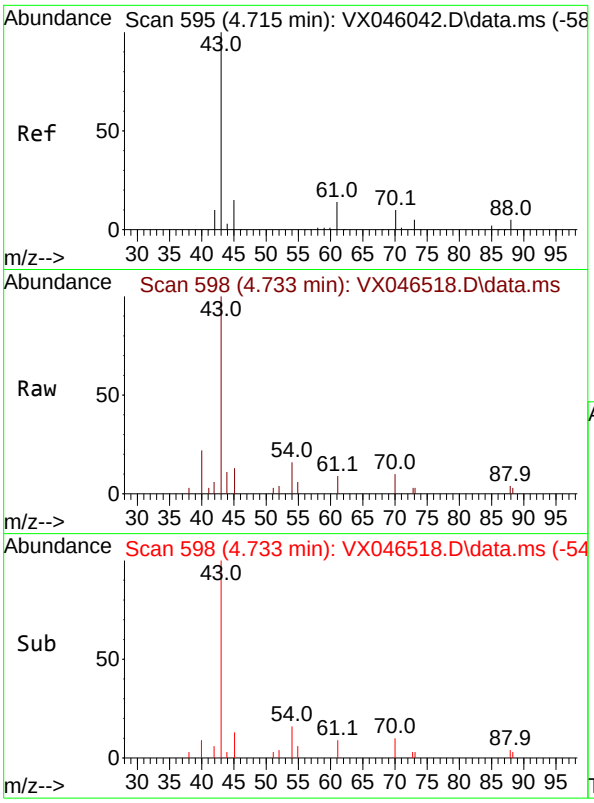


#36
1,1-Dichloropropene
Concen: 5.274 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 10048

Ion	Ratio	Lower	Upper
75	100		
110	29.2	16.3	48.9
77	29.0	24.3	36.5

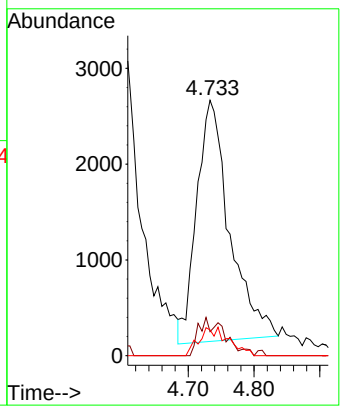




#37
Ethyl Acetate
Concen: 4.716 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 876

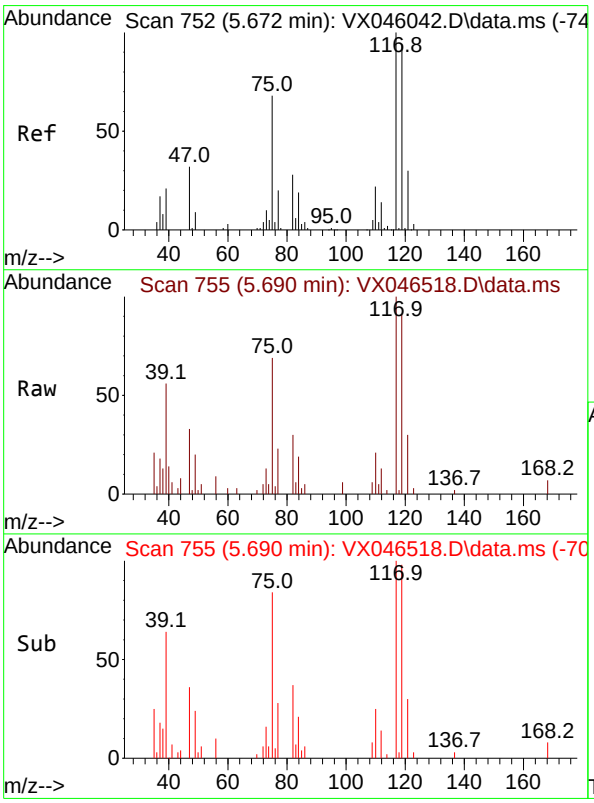
Ion	Ratio	Lower	Upper
43	100		
61	5.6	10.3	15.5
70	10.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

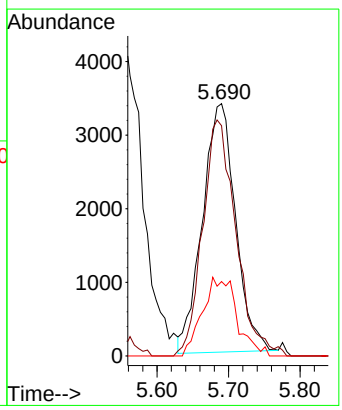
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

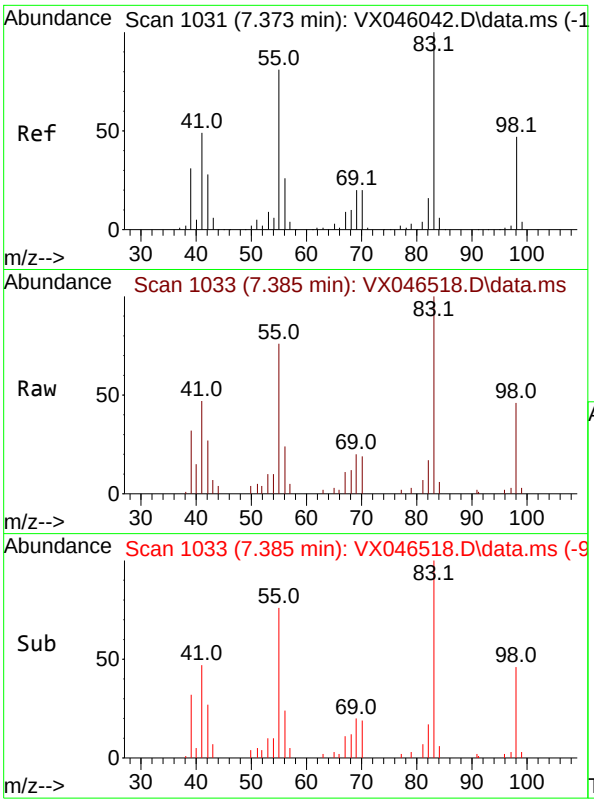


#38
Carbon Tetrachloride
Concen: 5.088 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:117 Resp: 10857

Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.2	112.8
121	30.2	24.2	36.4

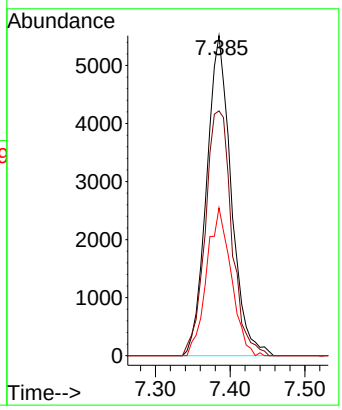




#39
Methylcyclohexane
Concen: 5.610 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 83 Resp: 1261

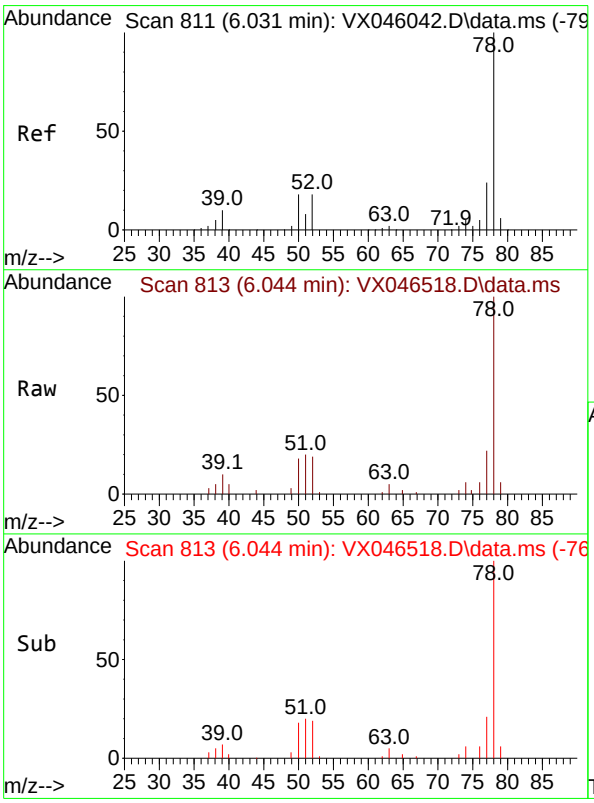
Ion	Ratio	Lower	Upper
83	100		
55	76.5	64.7	97.1
98	46.2	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

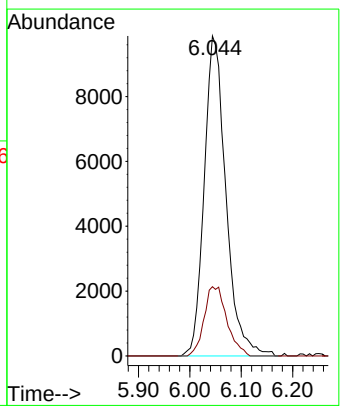
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

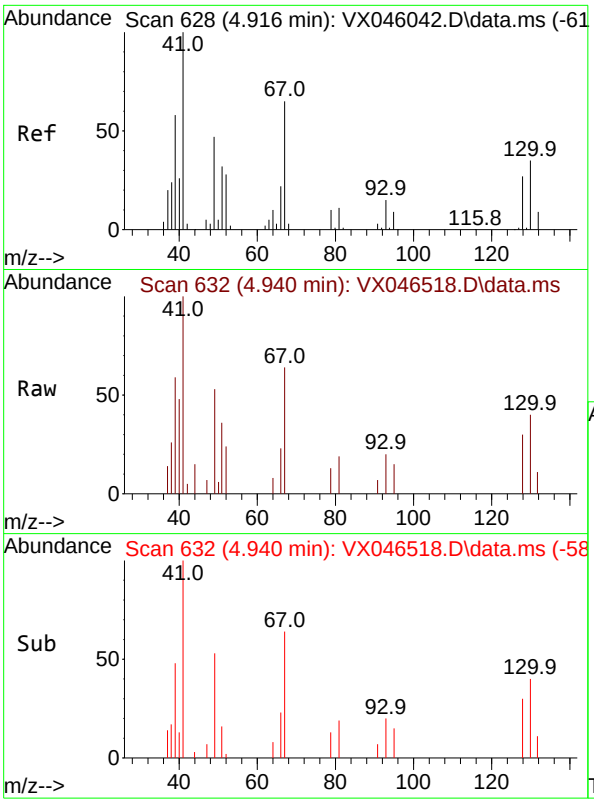


#40
Benzene
Concen: 5.400 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.012 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 78 Resp: 28961

Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4

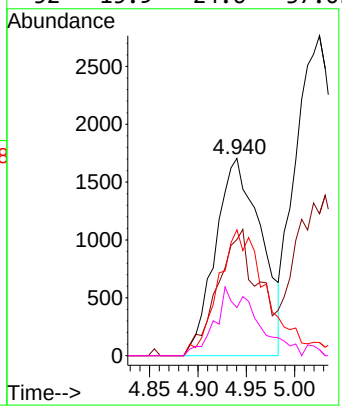




#41
Methacrylonitrile
Concen: 4.868 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 41 Resp: 562

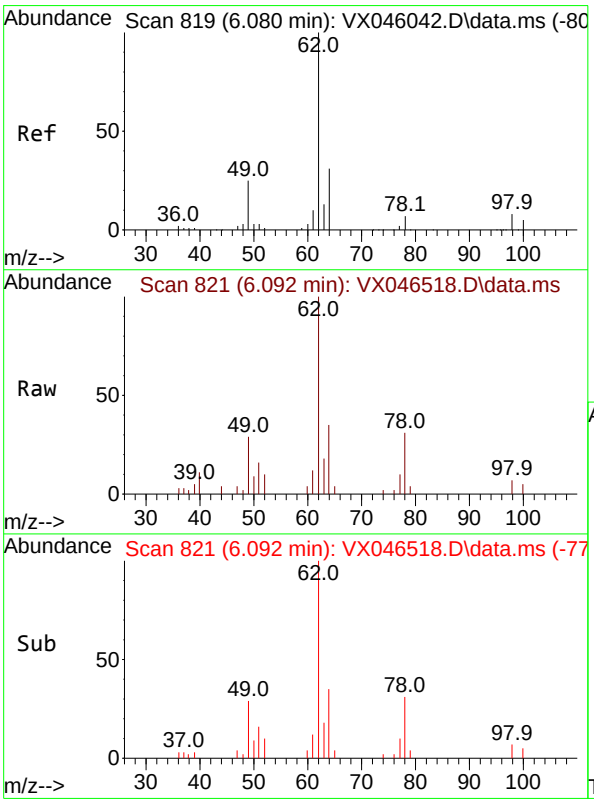
Ion	Ratio	Lower	Upper
41	100		
39	55.9	47.2	70.8
67	69.4	50.7	76.1
52	15.9	24.6	37.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

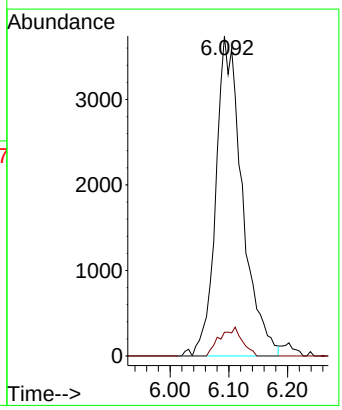
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

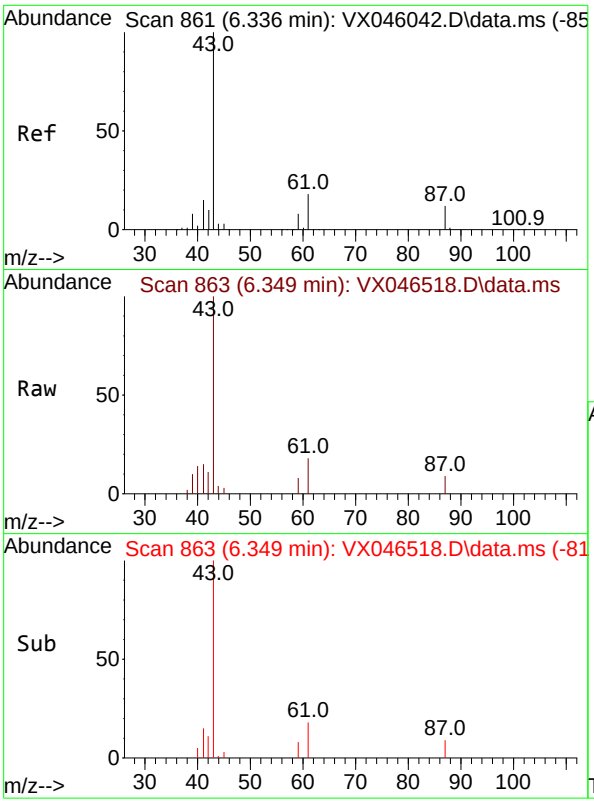


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 62 Resp: 11718

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

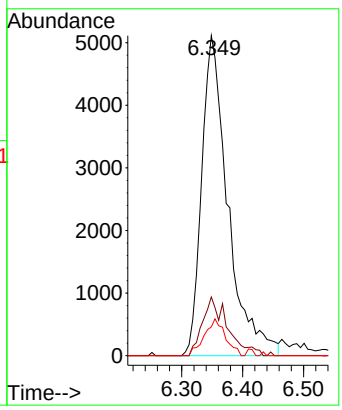




#43
Isopropyl Acetate
Concen: 4.712 ug/l
RT: 6.349 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 1527

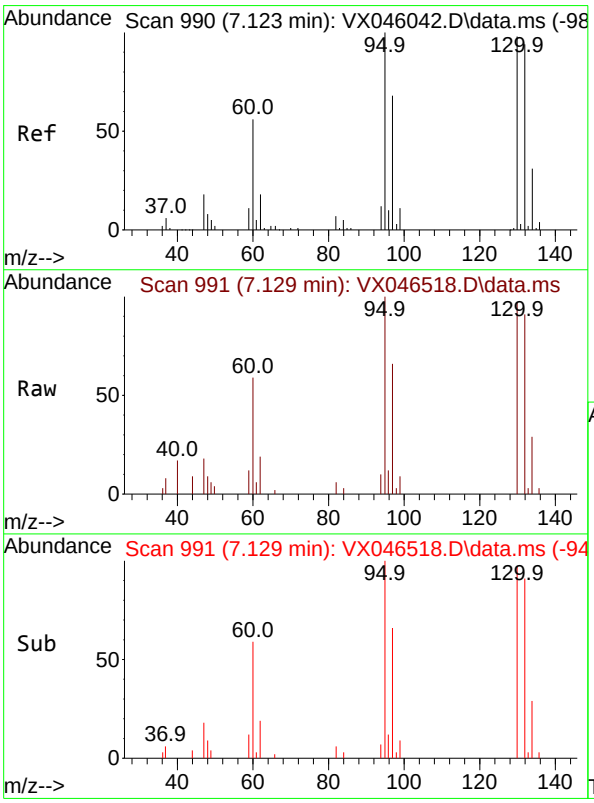
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.3	21.5
87	9.2	9.5	14.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

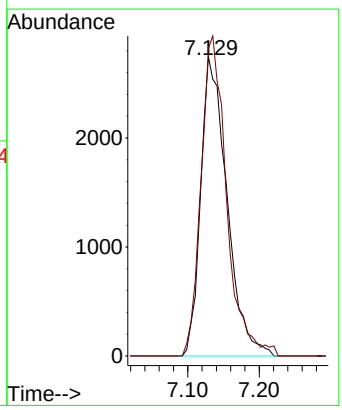
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

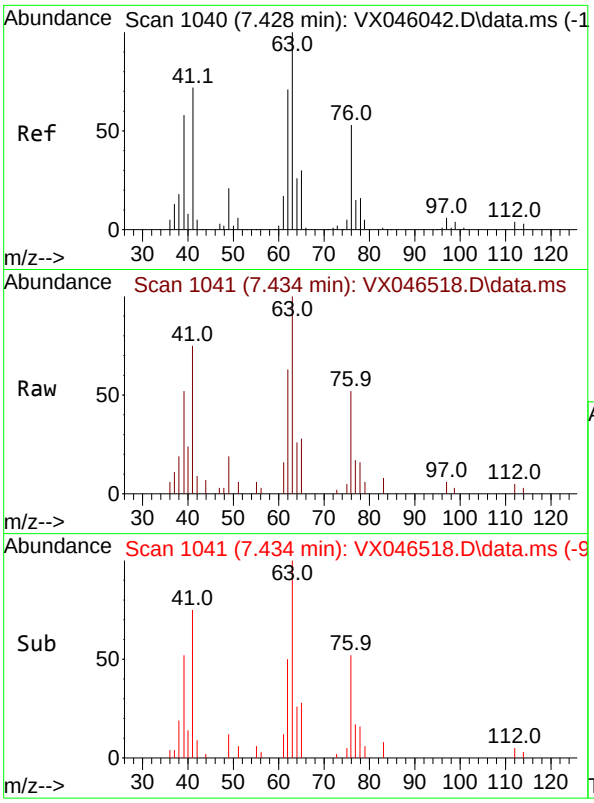


#44
Trichloroethene
Concen: 5.121 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:130 Resp: 6978

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	204.2

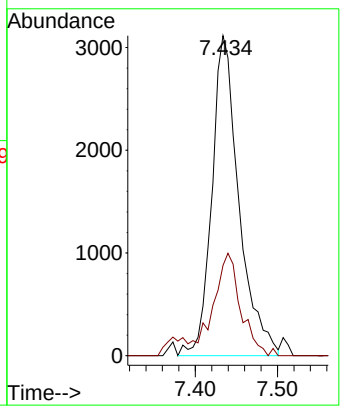




#45
1,2-Dichloropropane
Concen: 5.152 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 63 Resp: 713

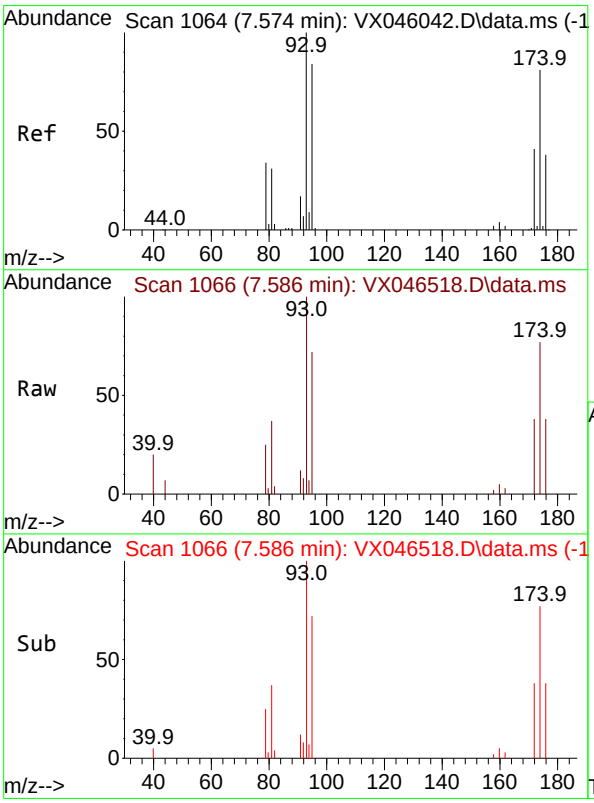
Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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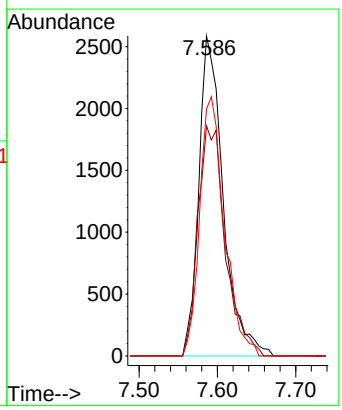
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

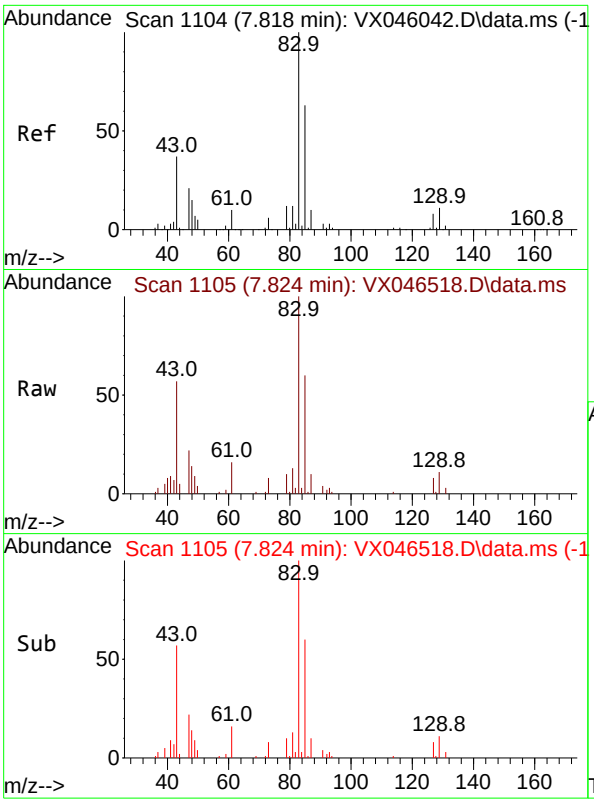


#46
Dibromomethane
Concen: 5.366 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 93 Resp: 5588

Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.6	98.4
174	81.8	68.2	102.2

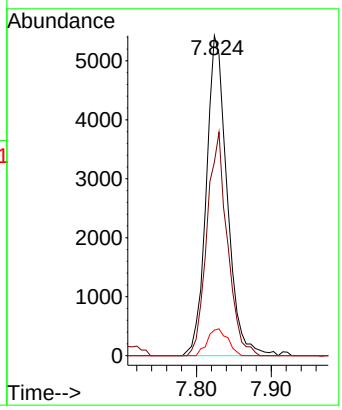




#47
Bromodichloromethane
Concen: 4.915 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 83 Resp: 1052

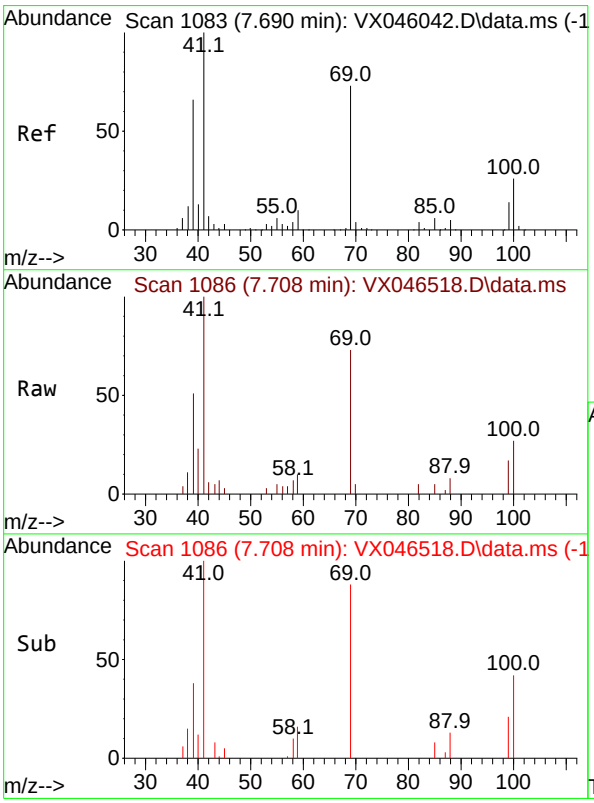
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.5	75.7
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

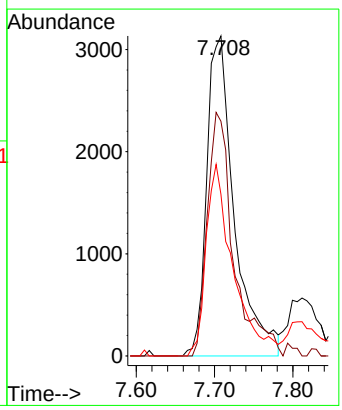
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

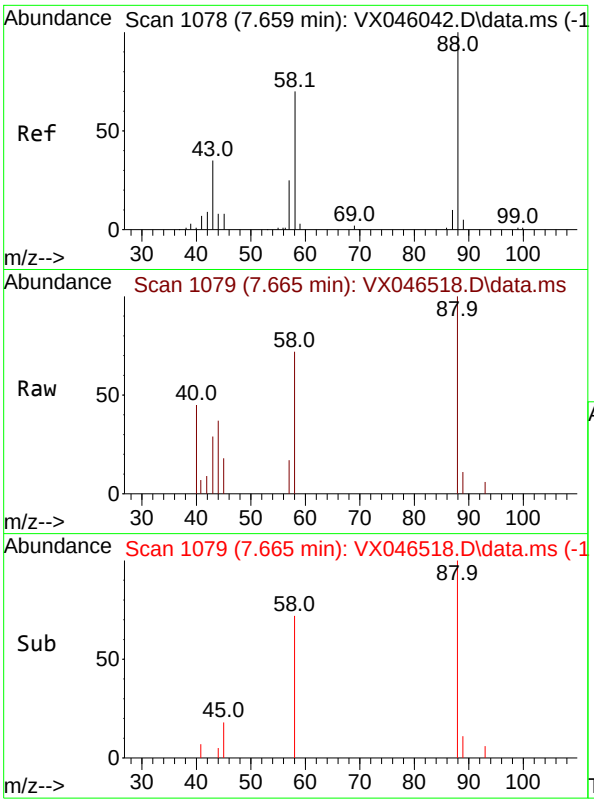


#48
Methyl methacrylate
Concen: 4.595 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 41 Resp: 7663

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.5	87.7
39	58.9	51.7	77.5

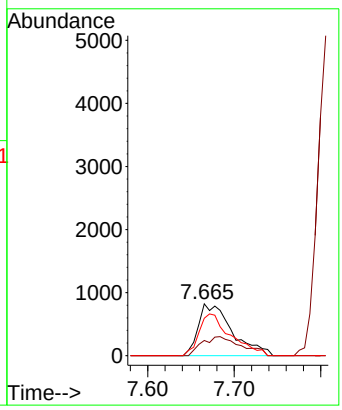




#49
1,4-Dioxane
Concen: 99.585 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 88 Resp: 222

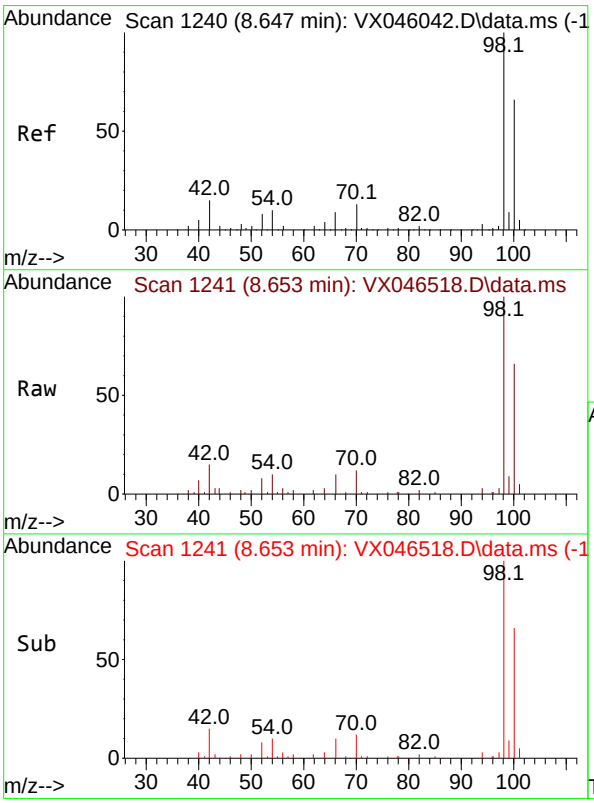
Ion	Ratio	Lower	Upper
88	100		
43	42.8	33.4	50.2
58	75.7	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

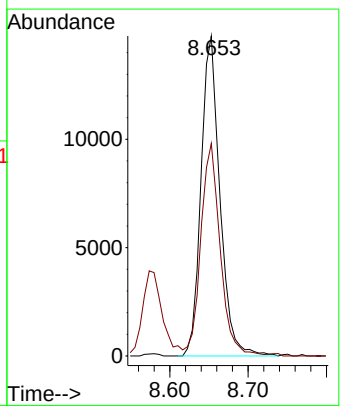
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

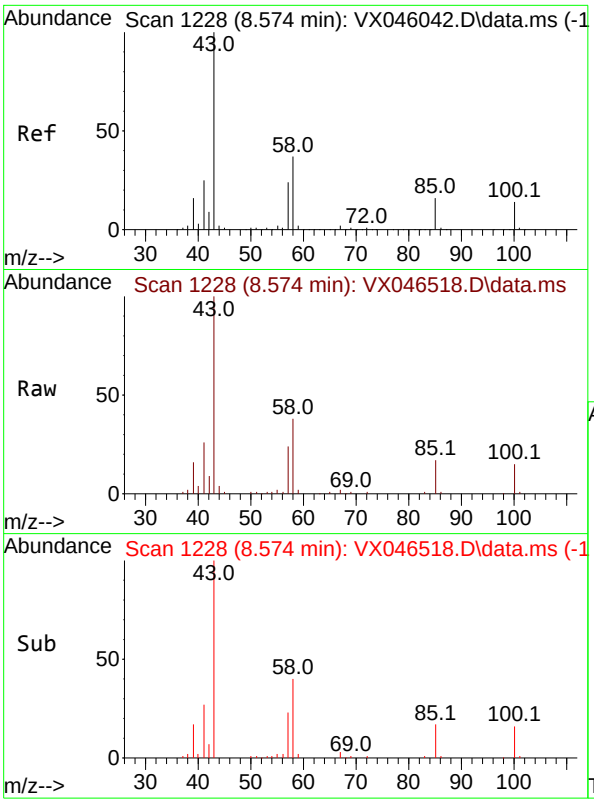


#50
Toluene-d8
Concen: 5.618 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 98 Resp: 24704

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3

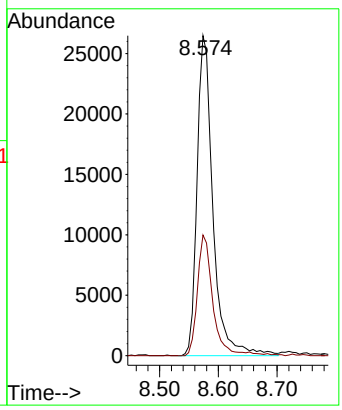




#51
4-Methyl-2-Pentanone
Concen: 24.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 4970

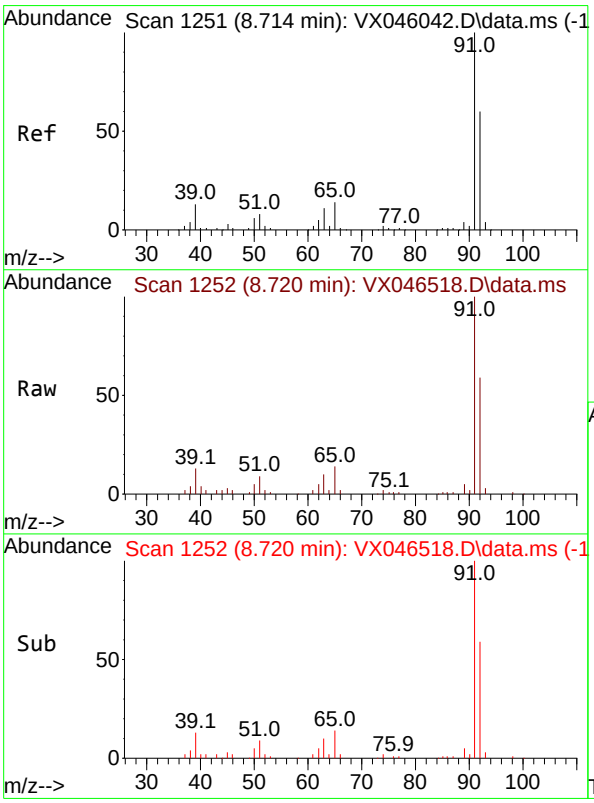
Ion	Ratio	Lower	Upper
43	100		
58	37.0	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

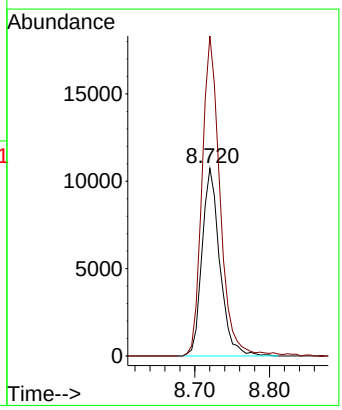
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

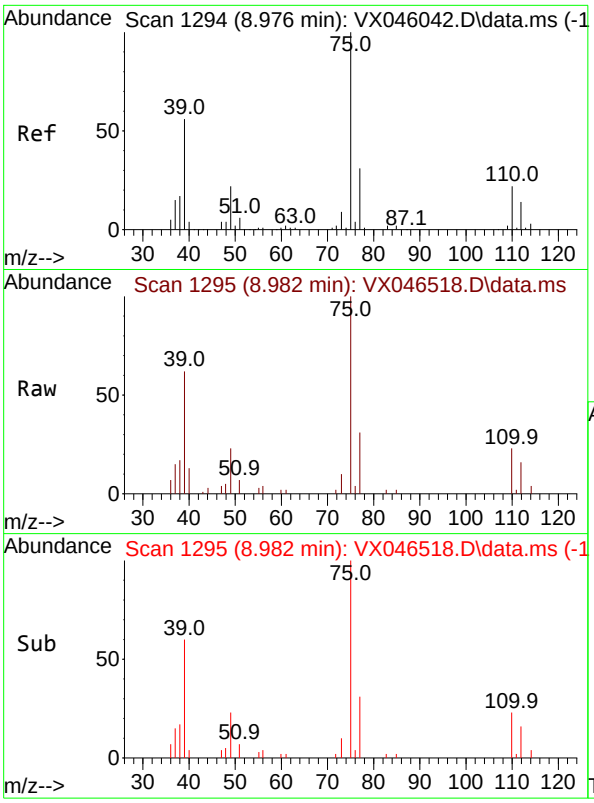


#52
Toluene
Concen: 5.394 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 92 Resp: 17773

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0

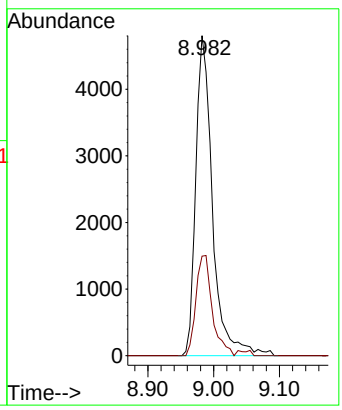




#53
t-1,3-Dichloropropene
Concen: 4.429 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 850

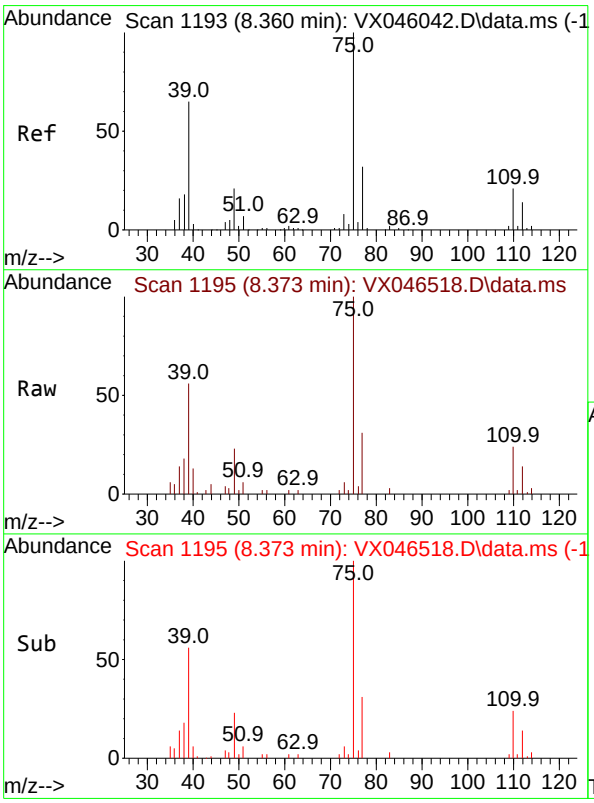
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

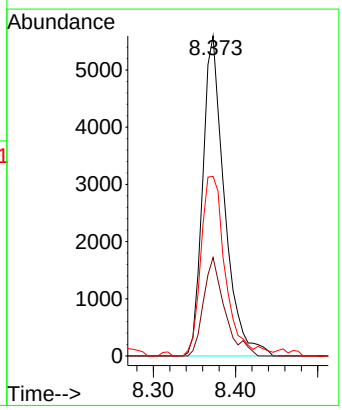
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

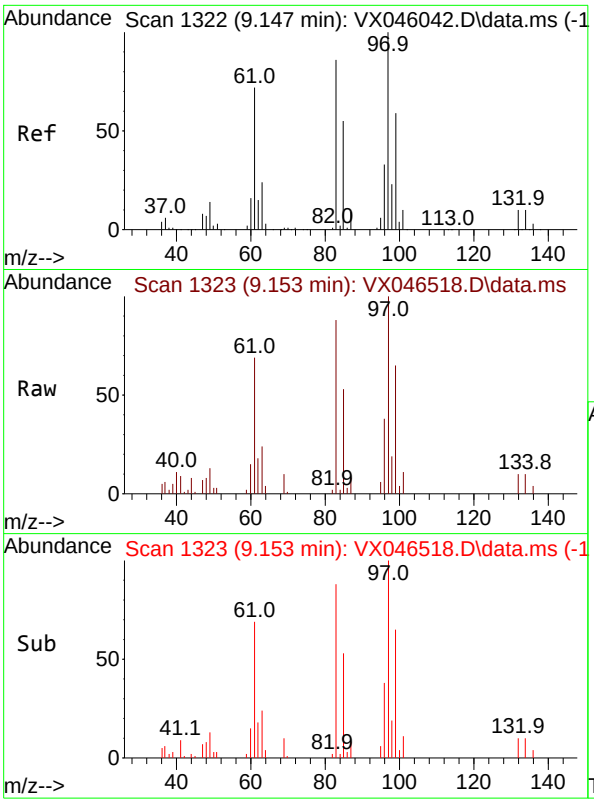


#54
cis-1,3-Dichloropropene
Concen: 4.817 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 10282

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	56.1	52.2	78.4

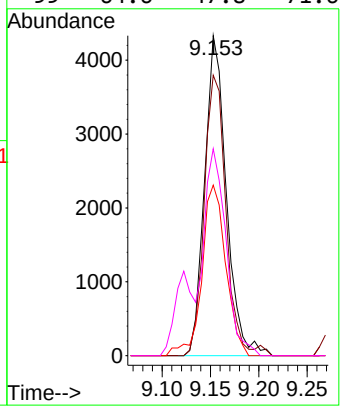




#55
1,1,2-Trichloroethane
Concen: 5.136 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 97 Resp: 679

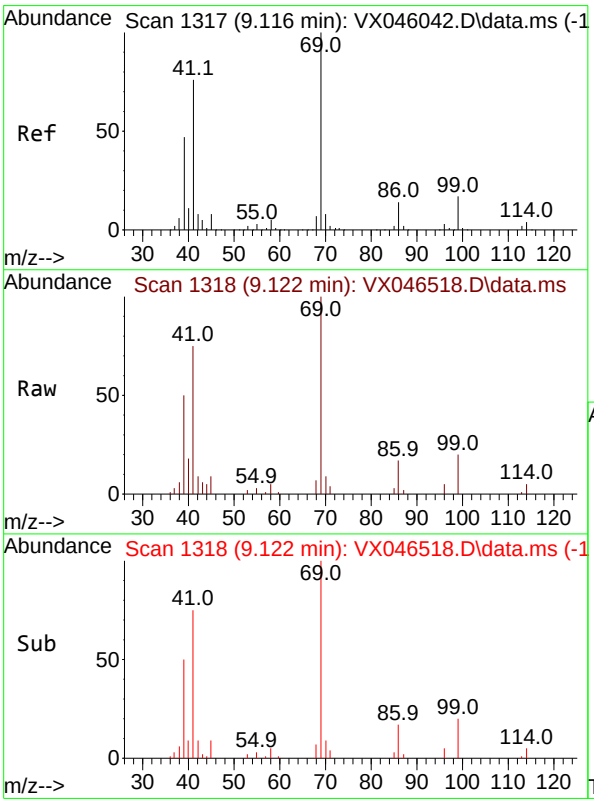
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.0	103.6
85	53.3	44.3	66.5
99	64.6	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

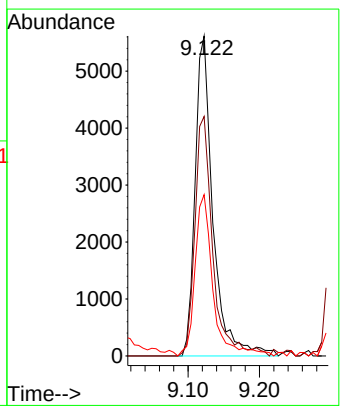
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

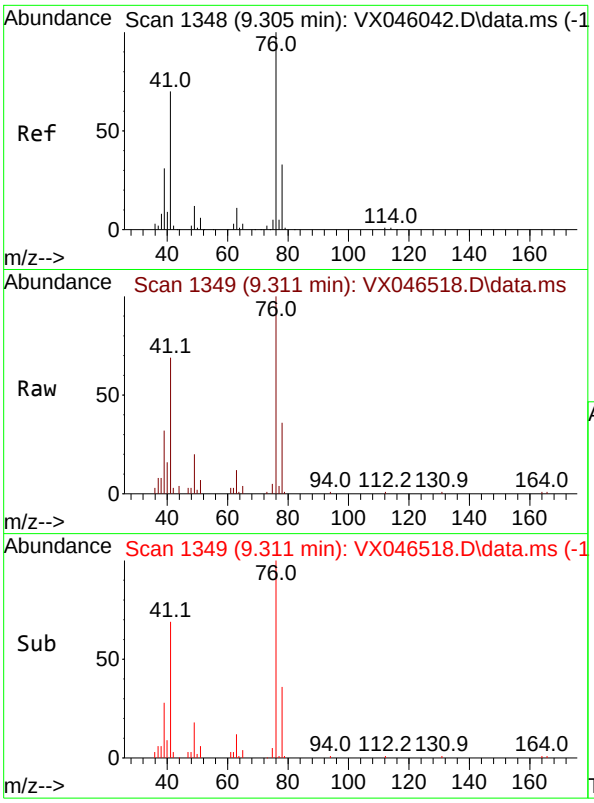


#56
Ethyl methacrylate
Concen: 4.777 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 69 Resp: 9723

Ion	Ratio	Lower	Upper
69	100		
41	73.6	60.8	91.2
39	50.6	39.0	58.6

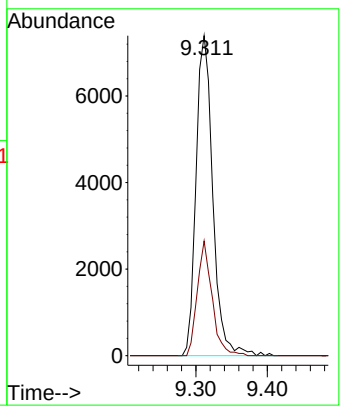




#57
1,3-Dichloropropane
Concen: 5.148 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 76 Resp: 1203

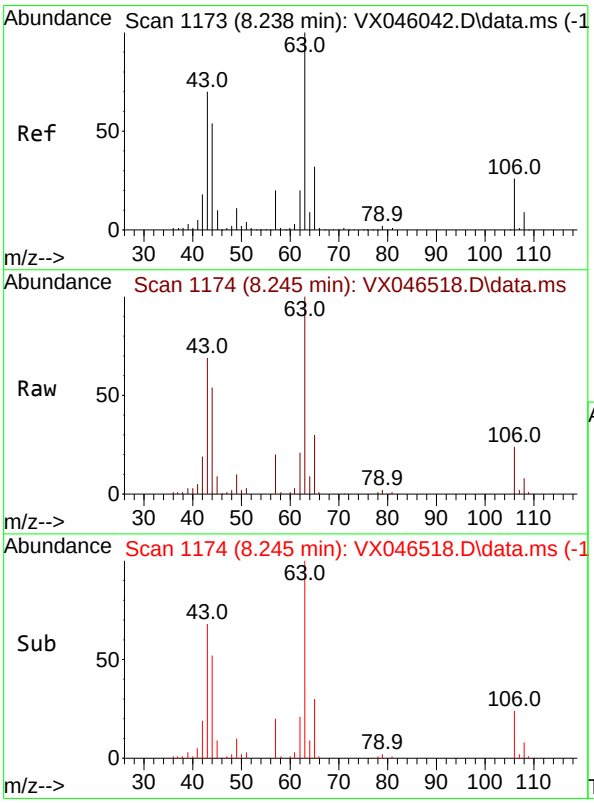
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

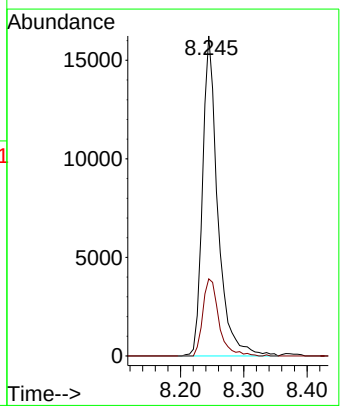
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

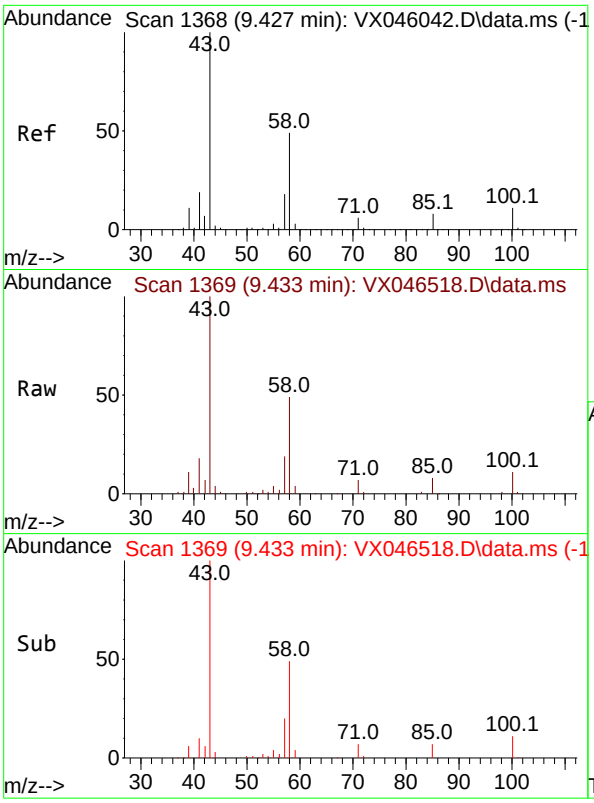


#58
2-Chloroethyl Vinyl ether
Concen: 24.645 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 63 Resp: 27324

Ion	Ratio	Lower	Upper
63	100		
106	25.2	21.5	32.3

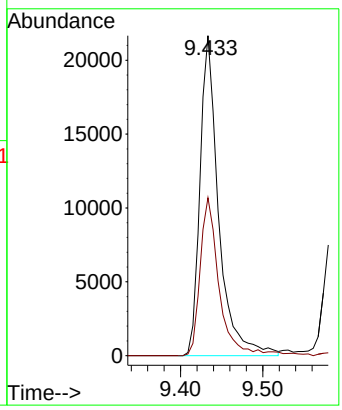




#59
2-Hexanone
Concen: 23.102 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 3412

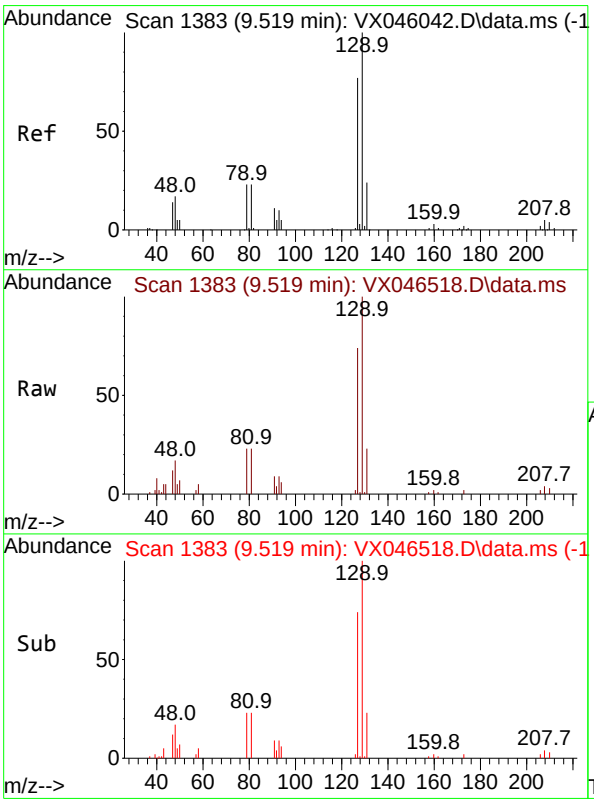
Ion	Ratio	Lower	Upper
43	100		
58	50.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

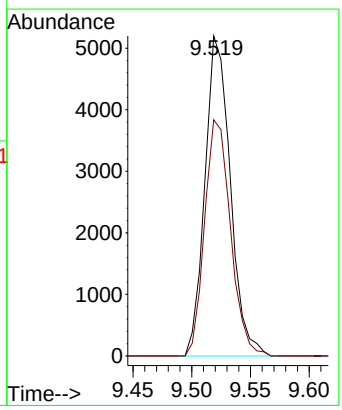
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

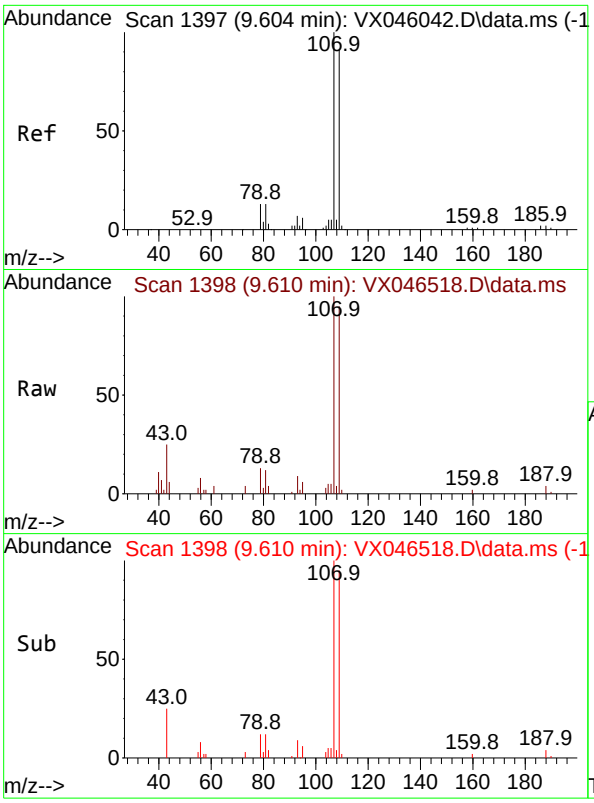


#60
Dibromochloromethane
Concen: 5.018 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:129 Resp: 7808

Ion	Ratio	Lower	Upper
129	100		
127	75.4	39.3	117.8

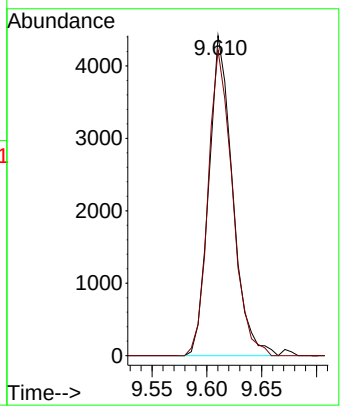




#61
1,2-Dibromoethane
Concen: 4.833 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:107 Resp: 666

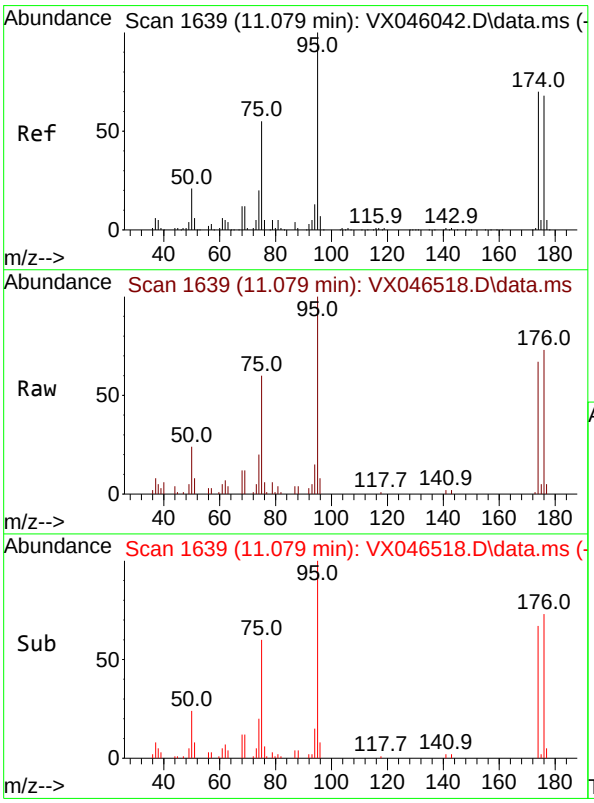
Ion	Ratio	Lower	Upper
107	100		
109	97.5	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

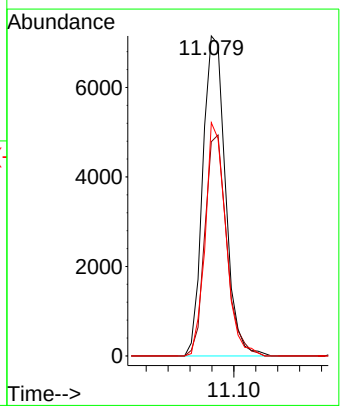
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

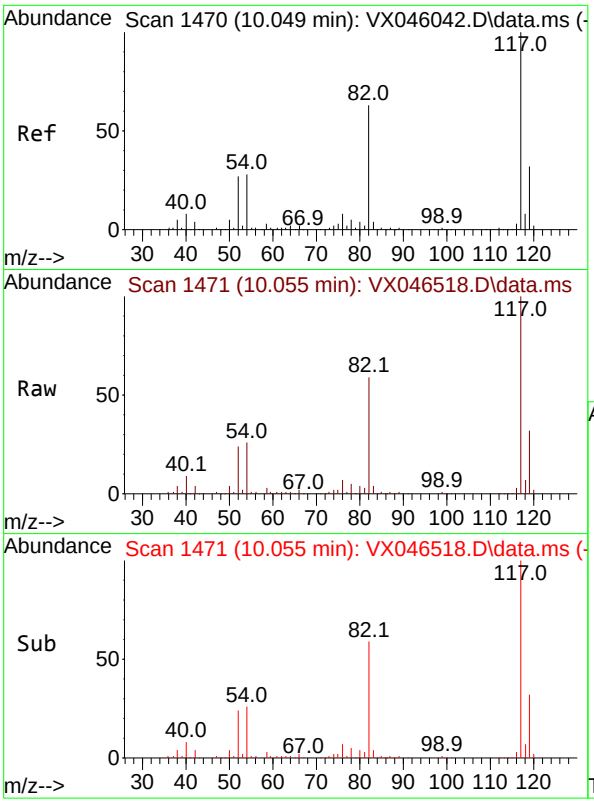


#62
4-Bromofluorobenzene
Concen: 5.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 95 Resp: 10224

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	135.8
176	66.3	0.0	131.4

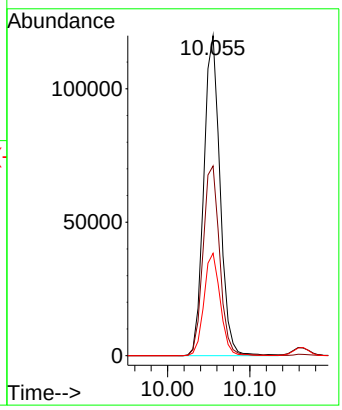




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:117 Resp: 16449

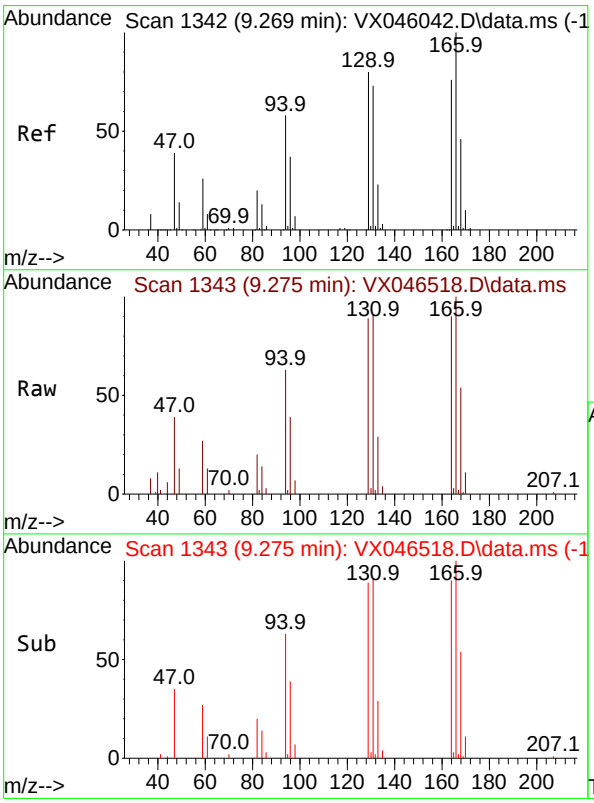
Ion	Ratio	Lower	Upper
117	100		
82	59.3	50.6	76.0
119	32.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

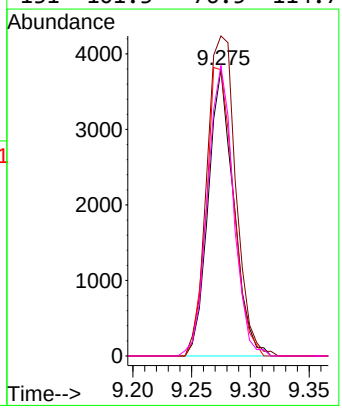
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

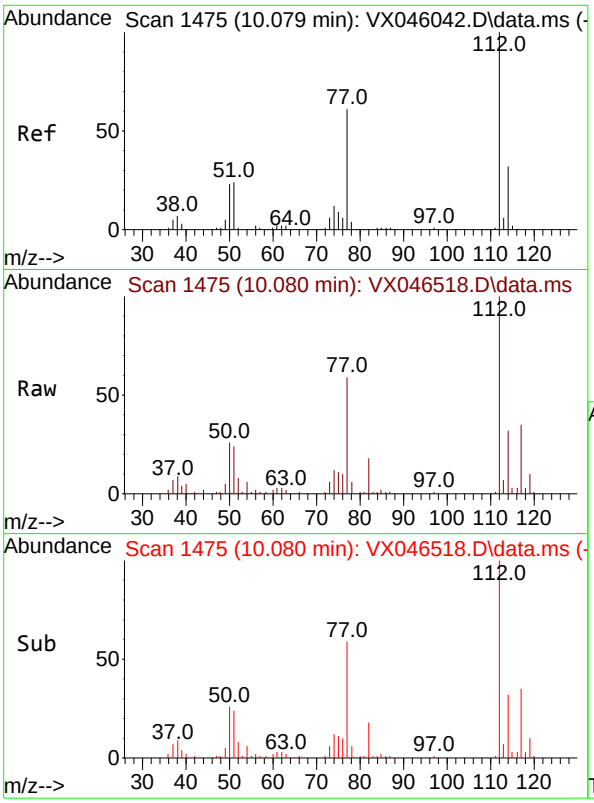


#64
Tetrachloroethene
Concen: 5.186 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:164 Resp: 5704

Ion	Ratio	Lower	Upper
164	100		
166	111.7	105.0	157.6
129	99.9	83.5	125.3
131	101.3	76.5	114.7

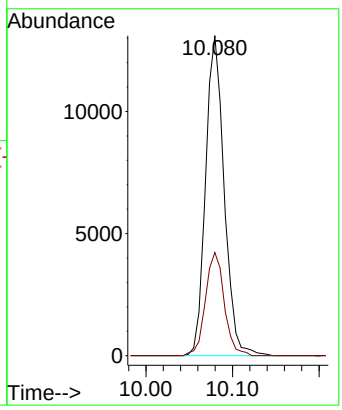




#65
Chlorobenzene
Concen: 5.048 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:112 Resp: 1952

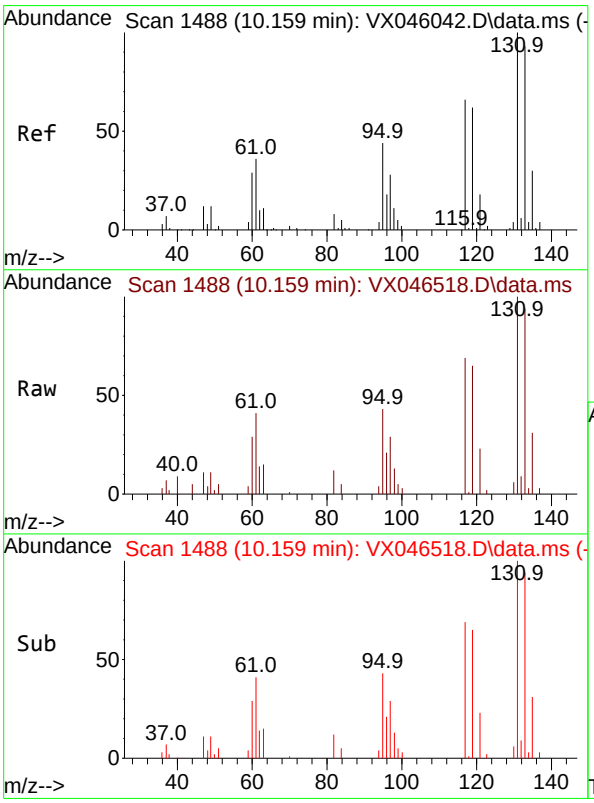
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

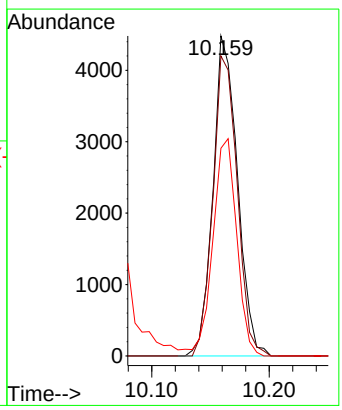
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

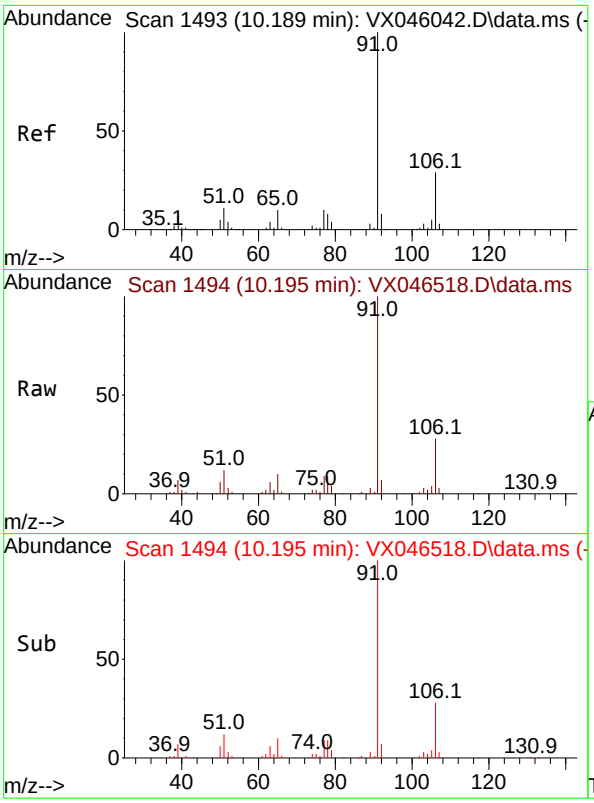


#66
1,1,1,2-Tetrachloroethane
Concen: 4.963 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:131 Resp: 6488

Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.3	141.9
119	65.5	31.6	95.0

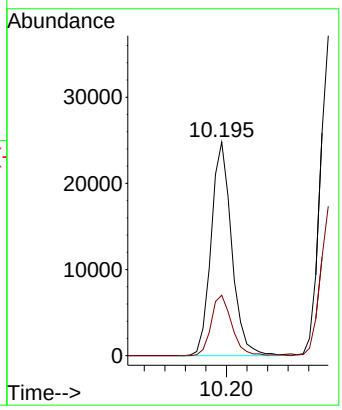




#67
Ethyl Benzene
Concen: 5.098 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 91 Resp: 3442

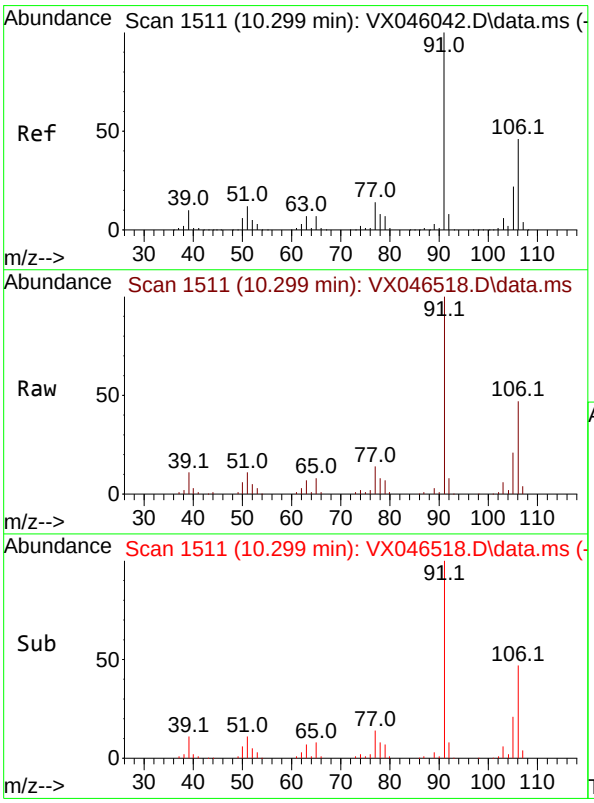
Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

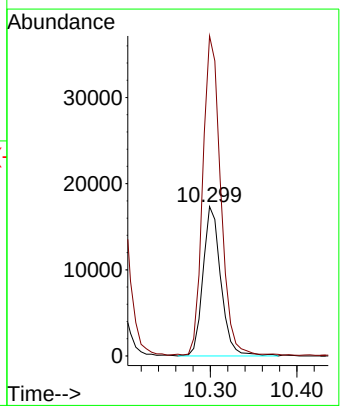
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

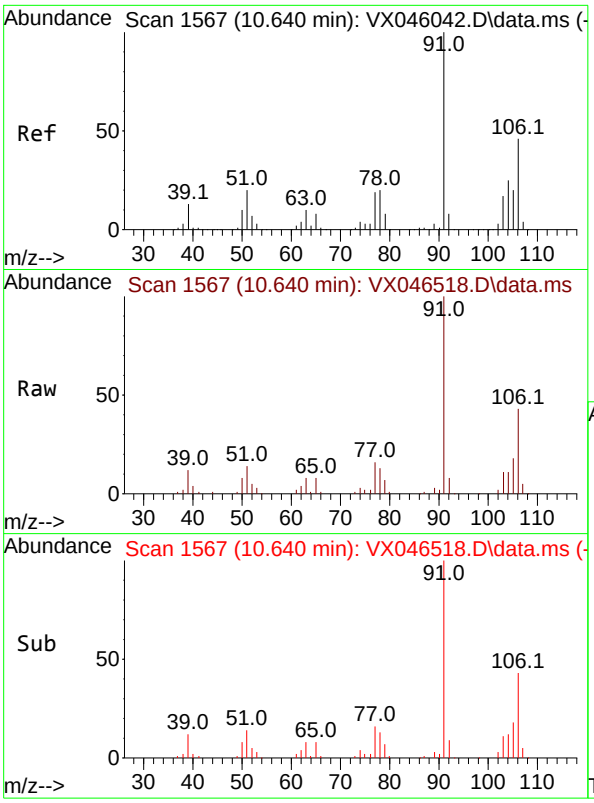


#68
m/p-Xylenes
Concen: 10.146 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:106 Resp: 24857

Ion	Ratio	Lower	Upper
106	100		
91	215.2	171.2	256.8

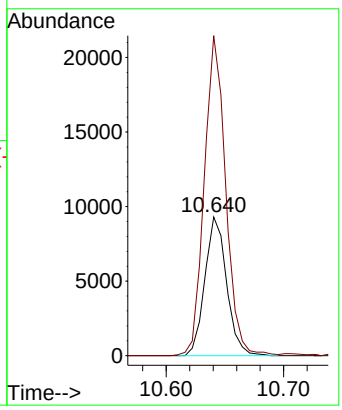




#69
o-Xylene
Concen: 5.054 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:106 Resp: 1197

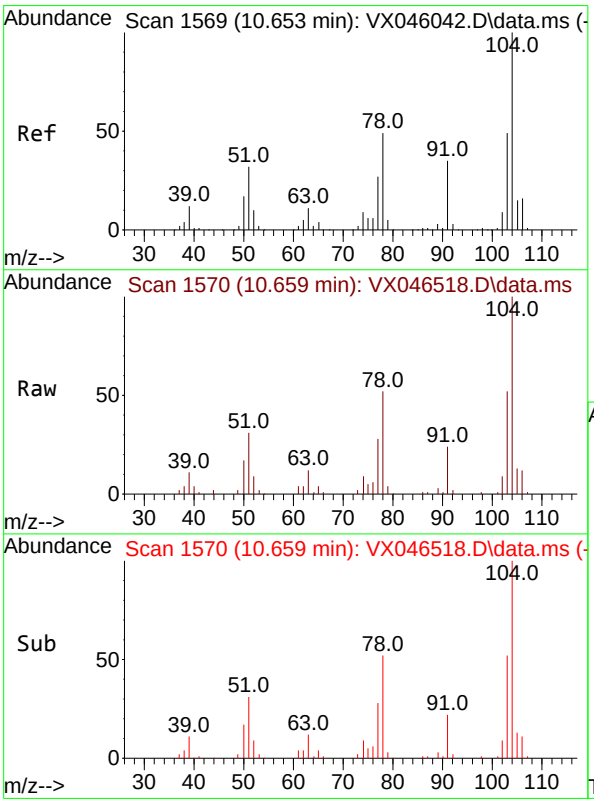
Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

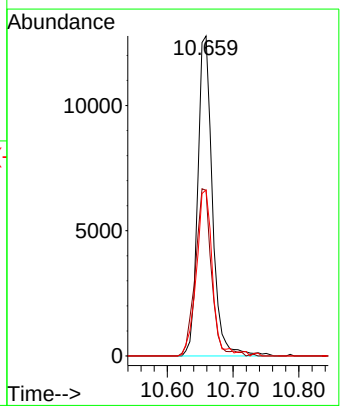
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

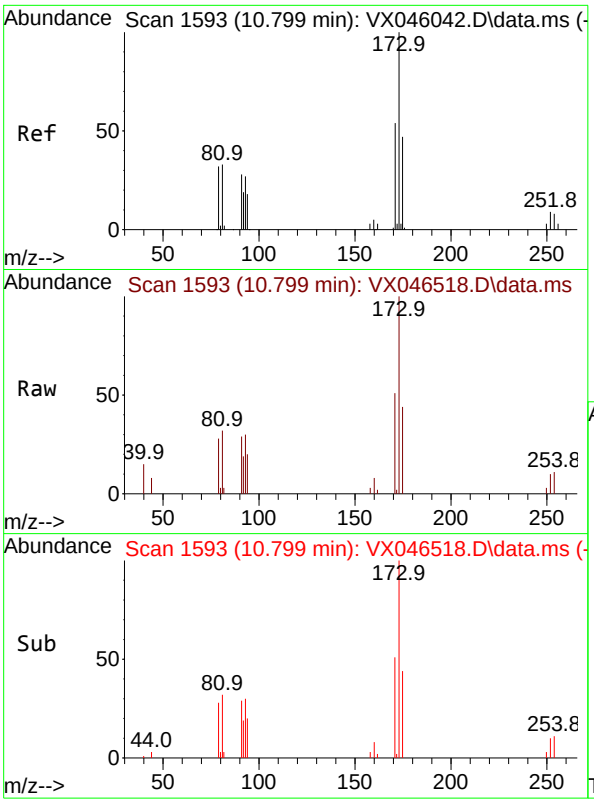


#70
Styrene
Concen: 4.888 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:104 Resp: 19826

Ion	Ratio	Lower	Upper
104	100		
78	57.5	45.7	68.5
103	56.7	43.7	65.5

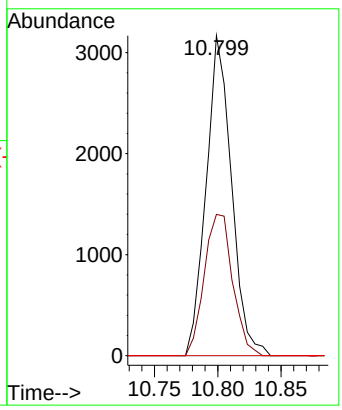




#71
Bromoform
Concen: 4.432 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:173 Resp: 441

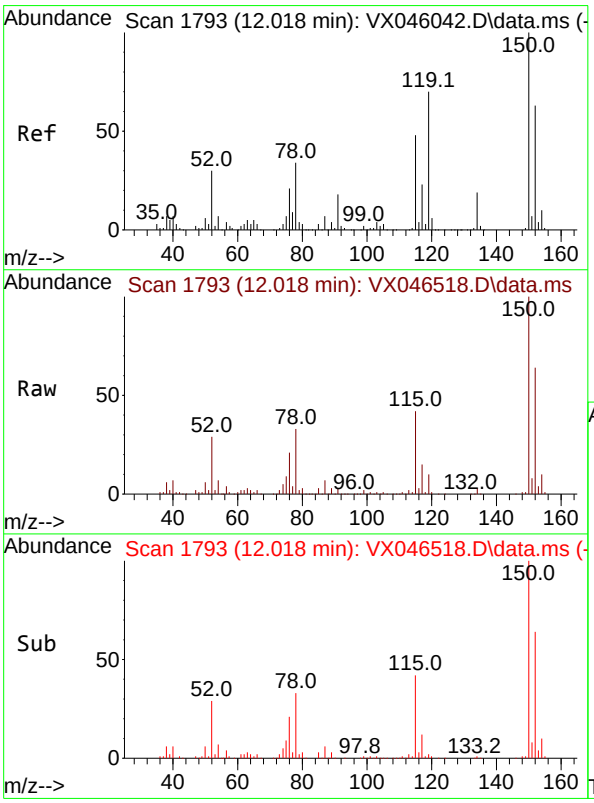
Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

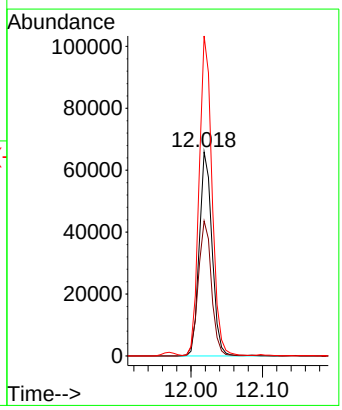
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

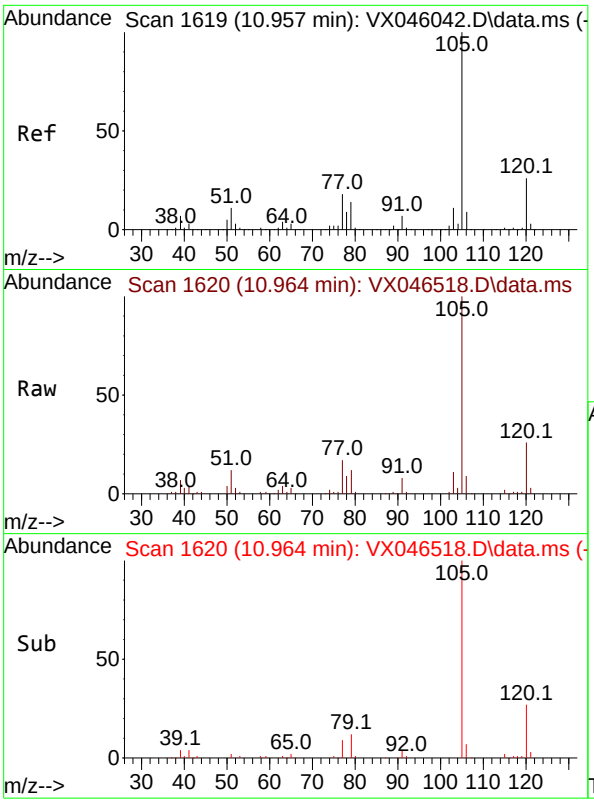


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:152 Resp: 81515

Ion	Ratio	Lower	Upper
152	100		
115	68.3	46.9	140.7
150	157.5	0.0	351.0

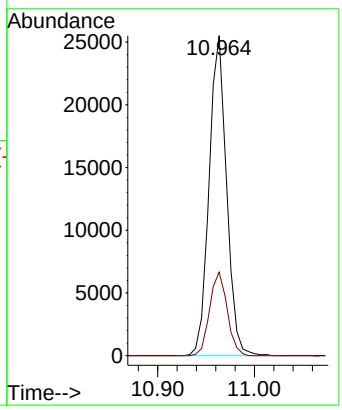




#73
Isopropylbenzene
Concen: 5.007 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:105 Resp: 3208

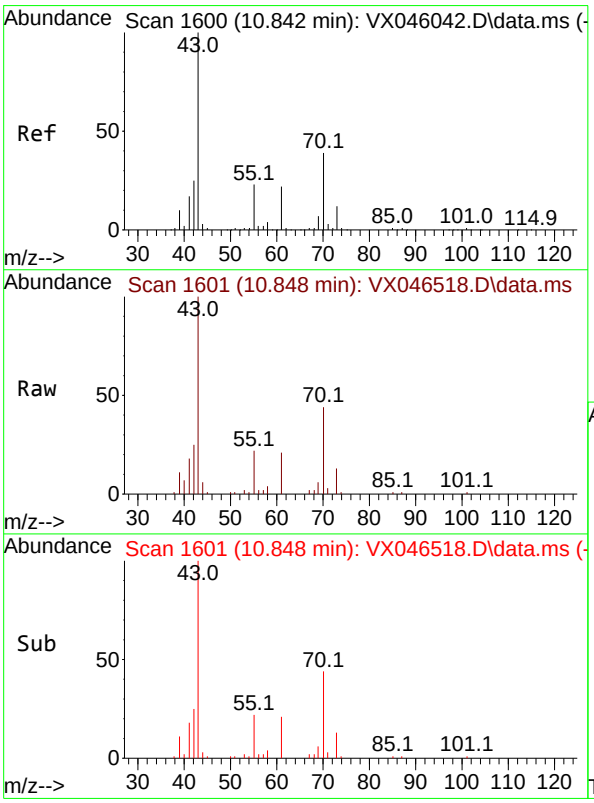
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

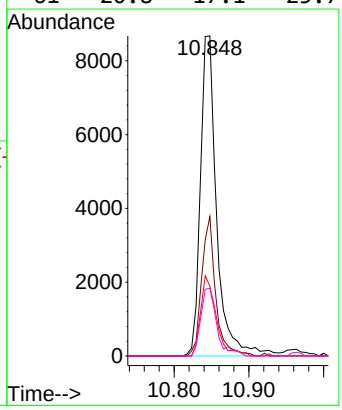
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

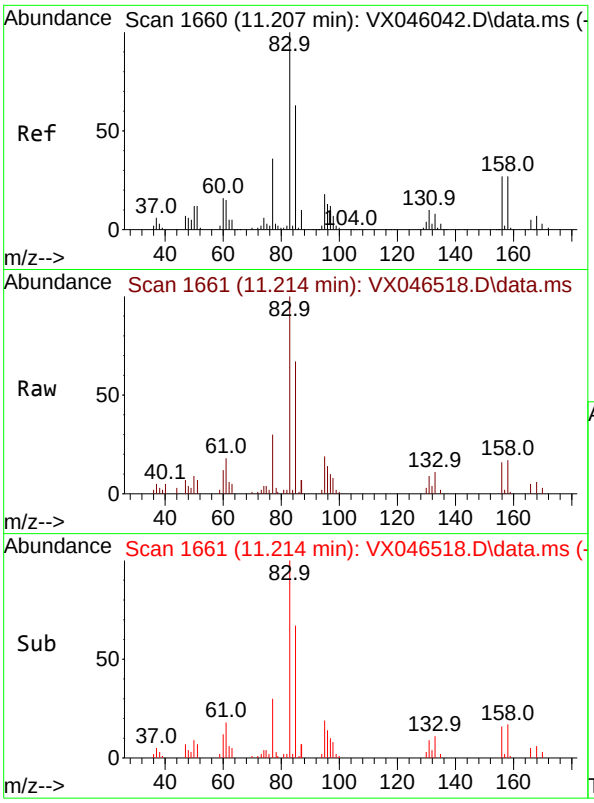


#74
N-amyl acetate
Concen: 4.658 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 43 Resp: 13145

Ion	Ratio	Lower	Upper
43	100		
70	37.3	30.9	46.3
55	23.9	18.7	28.1
61	20.8	17.1	25.7

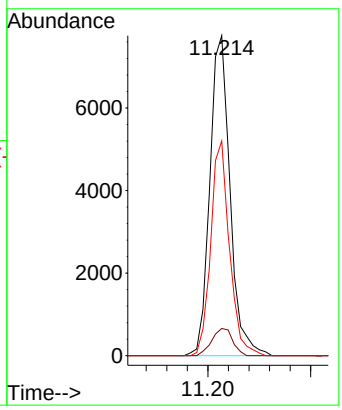




#75
1,1,2,2-Tetrachloroethane
Concen: 5.144 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 83 Resp: 1055

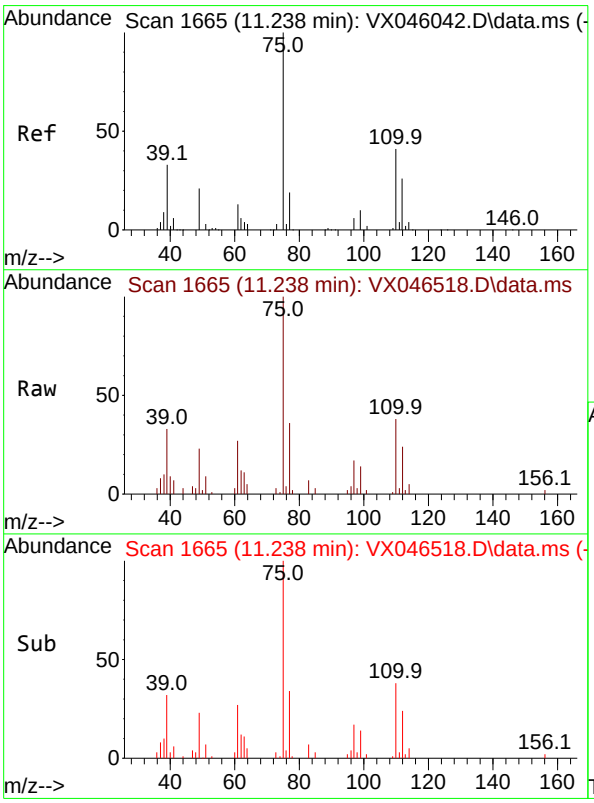
Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.0	14.9
85	62.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

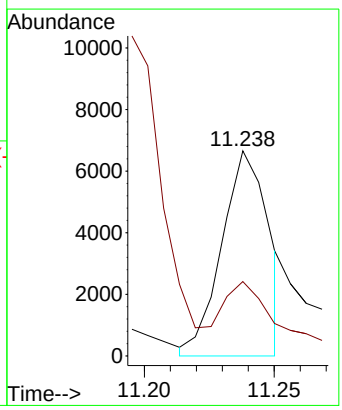
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

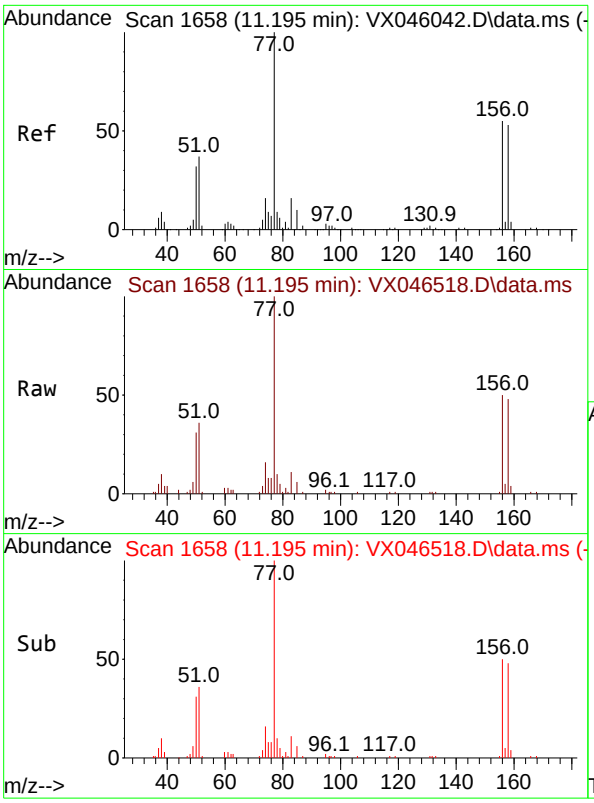


#76
1,2,3-Trichloropropane
Concen: 4.746 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 8330

Ion	Ratio	Lower	Upper
75	100		
77	42.3	20.5	61.5

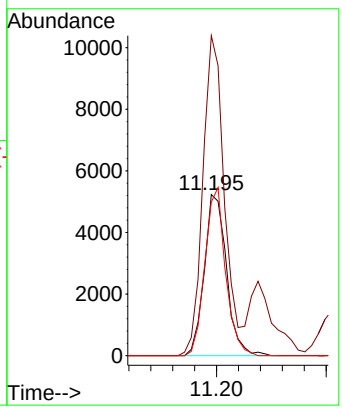




#77
Bromobenzene
Concen: 4.953 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:156 Resp: 736

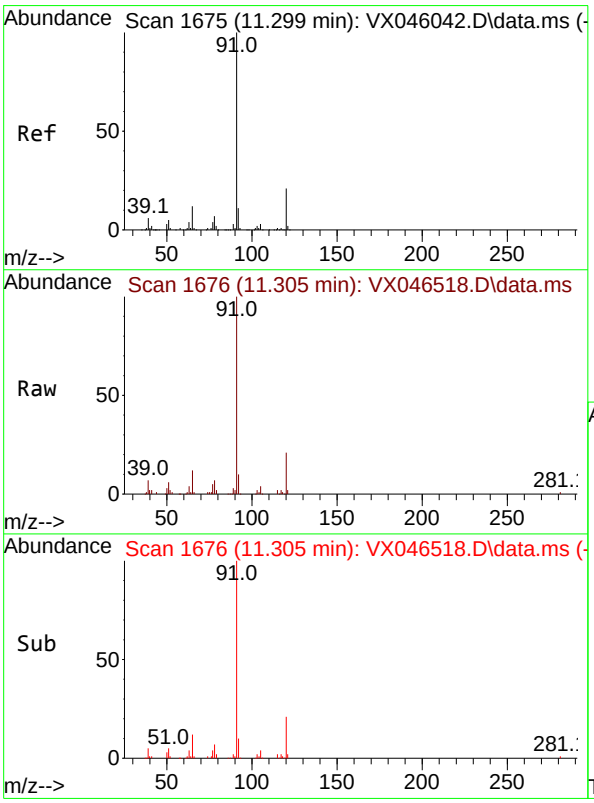
Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	96.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

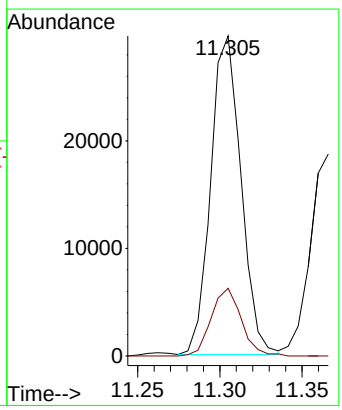
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

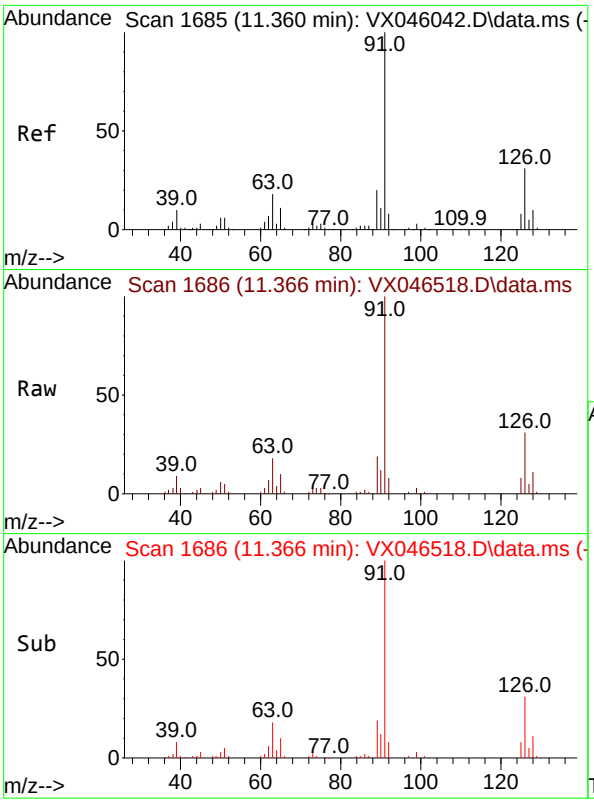


#78
n-propylbenzene
Concen: 4.896 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 91 Resp: 37974

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.4





#79
2-Chlorotoluene
Concen: 5.028 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

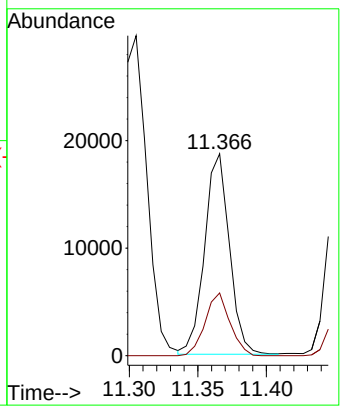
Tgt Ion: 91 Resp: 2351

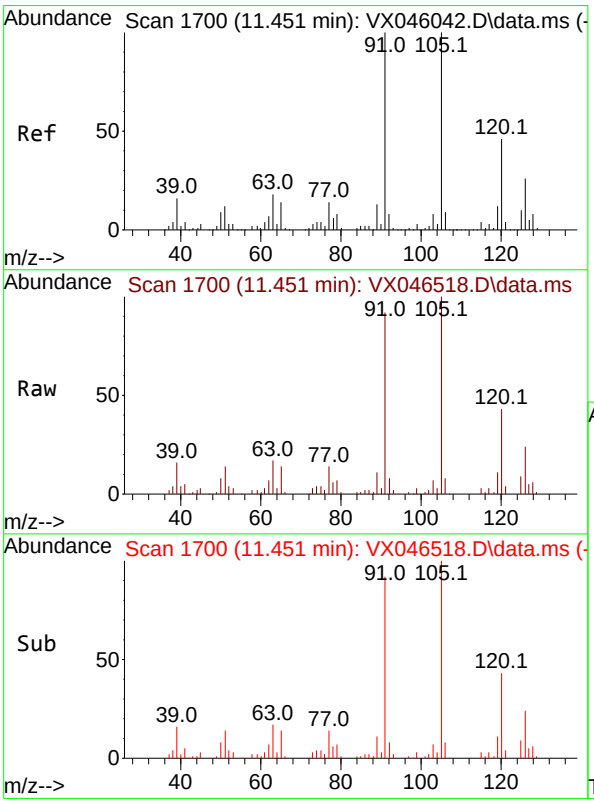
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

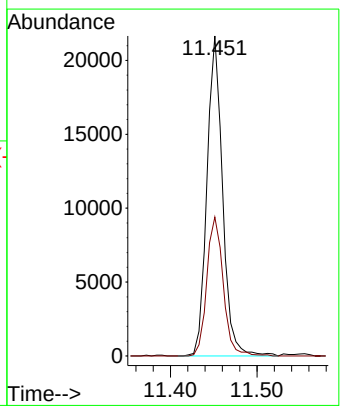


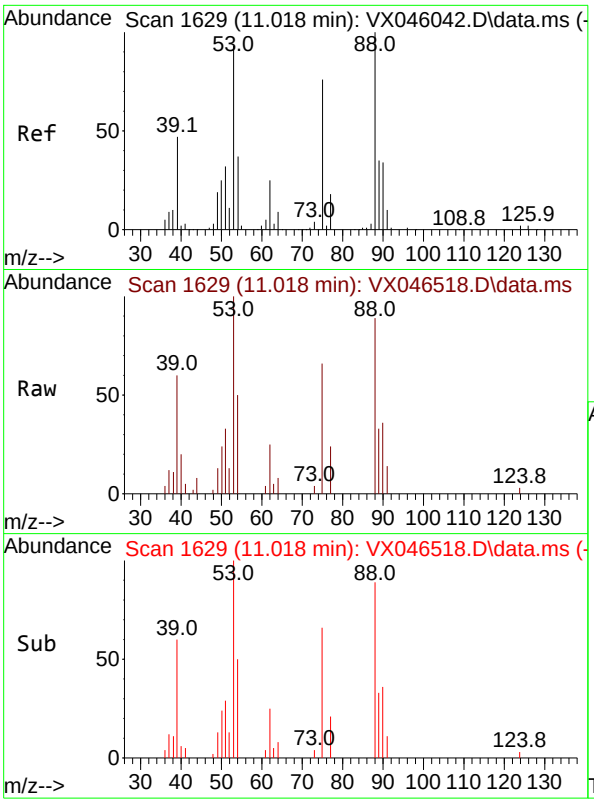


#80
1,3,5-Trimethylbenzene
Concen: 5.083 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:105 Resp: 27140

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2

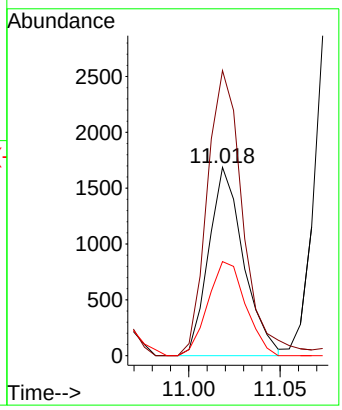




#81
trans-1,4-Dichloro-2-butene
Concen: 3.736 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 223

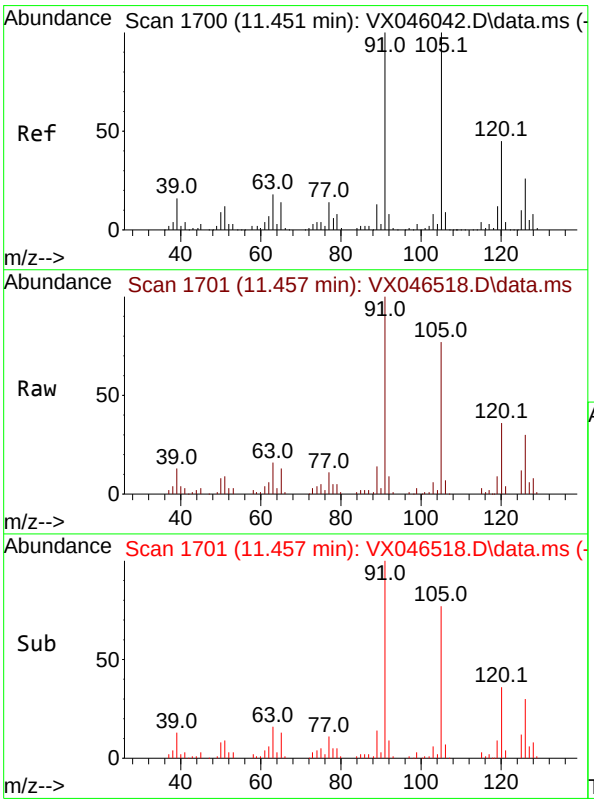
Ion	Ratio	Lower	Upper
75	100		
53	156.8	100.5	150.7
89	53.9	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

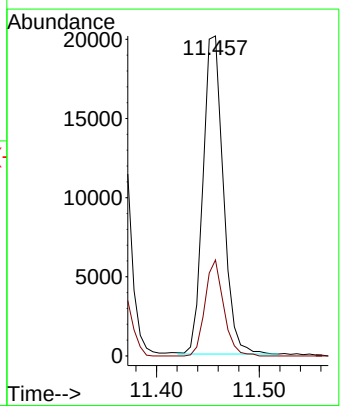
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

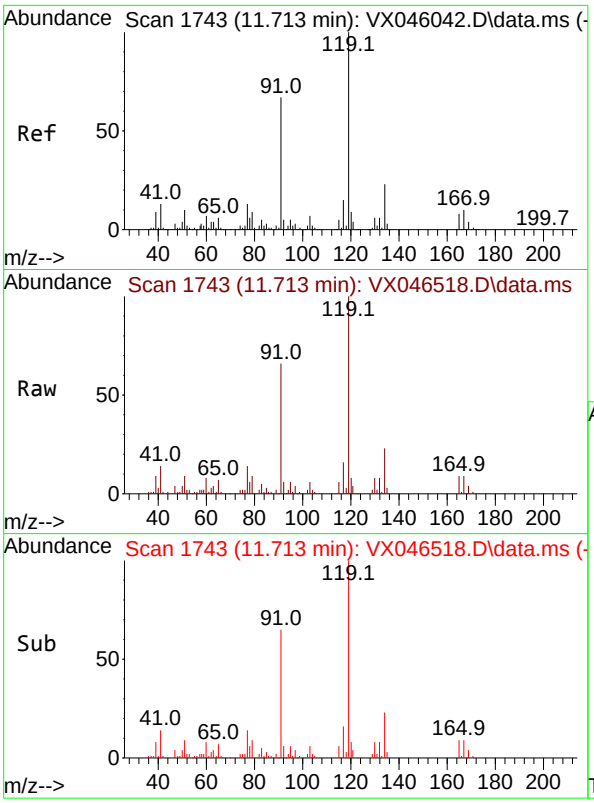


#82
4-Chlorotoluene
Concen: 4.985 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 91 Resp: 27633

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.3	39.8

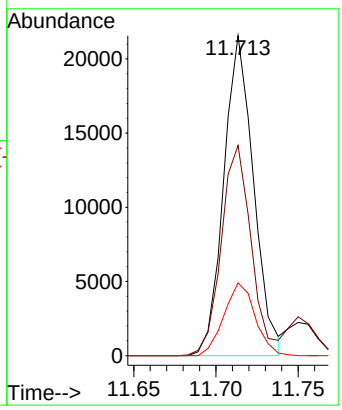




#83
tert-Butylbenzene
Concen: 5.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:119 Resp: 2723

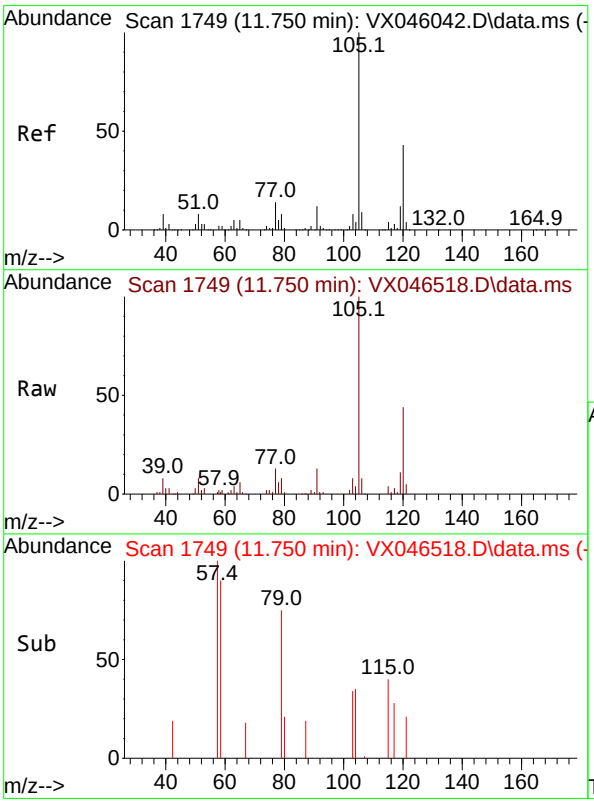
Ion	Ratio	Lower	Upper
119	100		
91	66.2	32.9	98.7
134	23.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

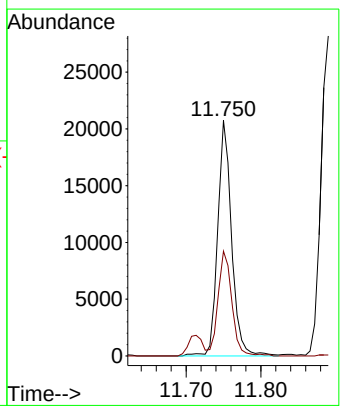
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

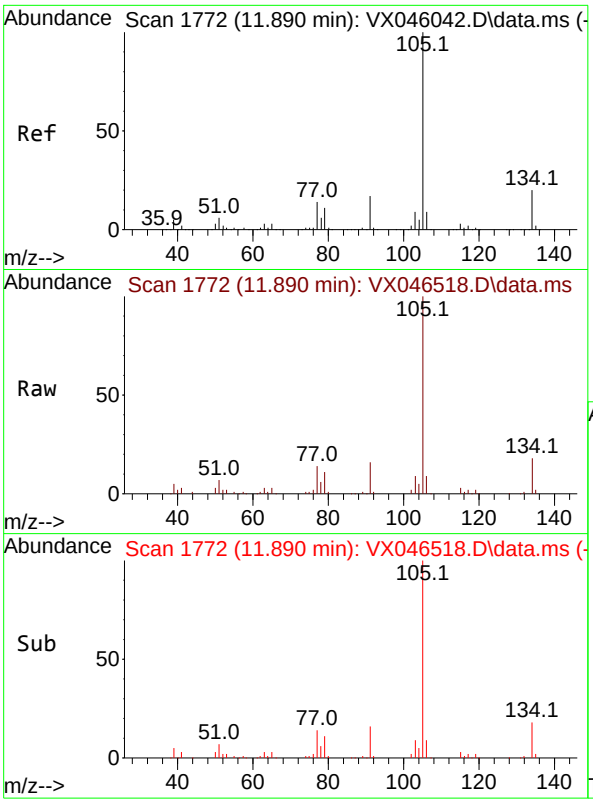


#84
1,2,4-Trimethylbenzene
Concen: 4.993 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:105 Resp: 26973

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6

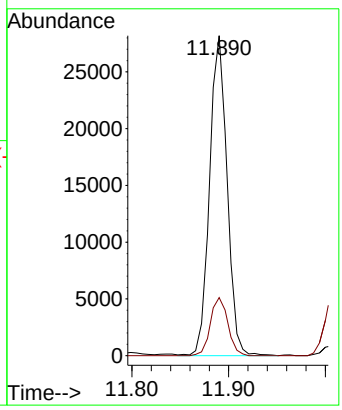




#85
sec-Butylbenzene
Concen: 5.077 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:105 Resp: 3545

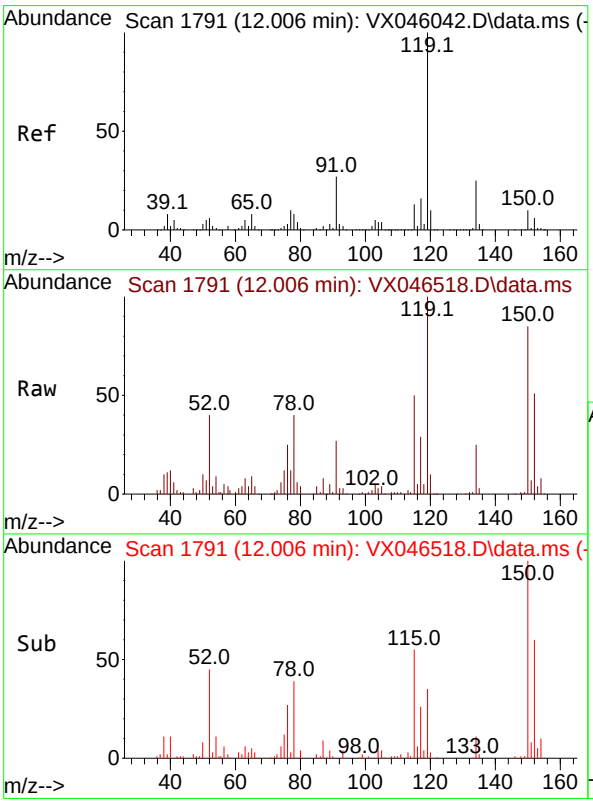
Ion	Ratio	Lower	Upper
105	100		
134	18.1	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

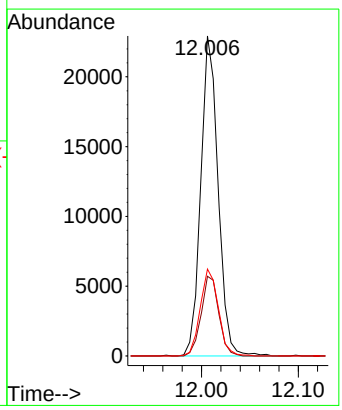
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

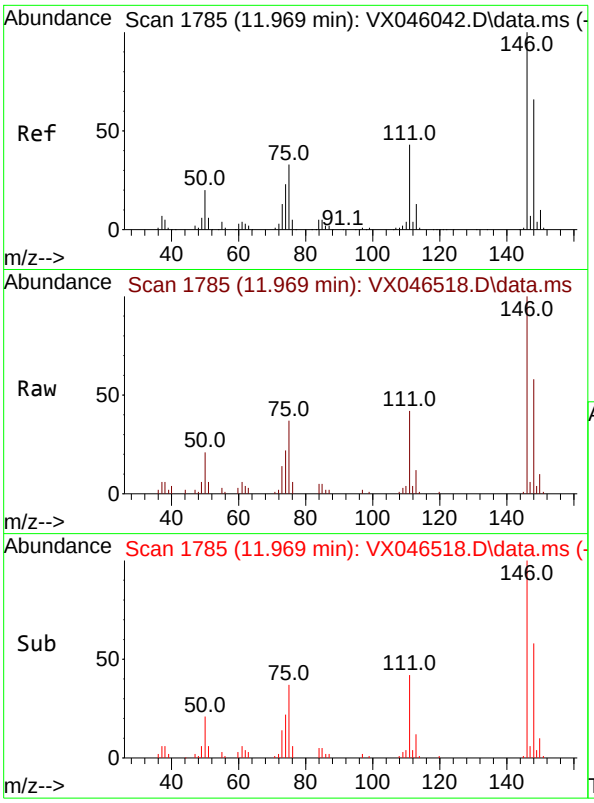


#86
p-Isopropyltoluene
Concen: 4.913 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:119 Resp: 28606

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.5	37.5
91	28.3	13.8	41.4

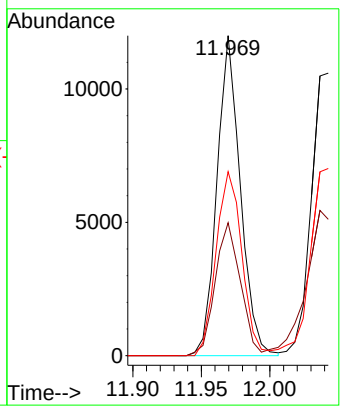




#87
1,3-Dichlorobenzene
Concen: 4.924 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:146 Resp: 1422

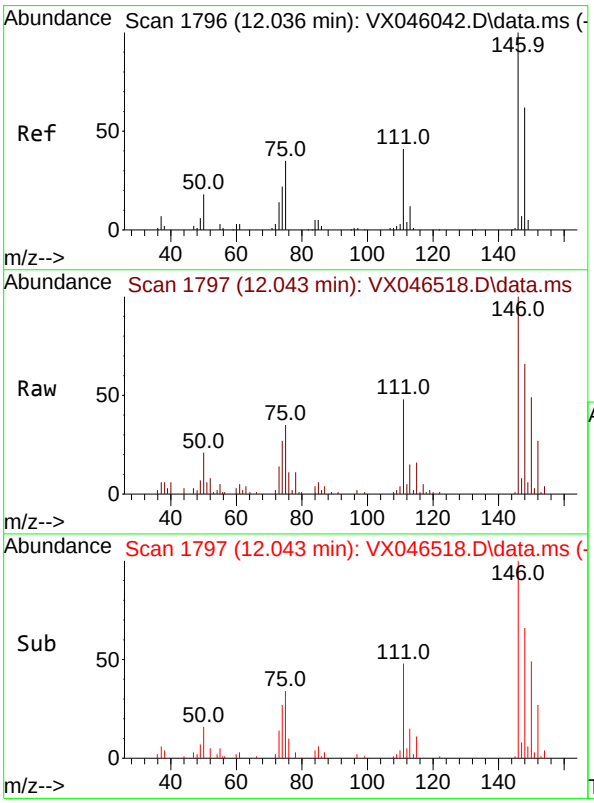
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.1	66.3
148	63.7	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

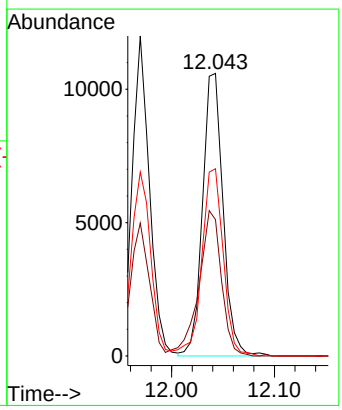
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

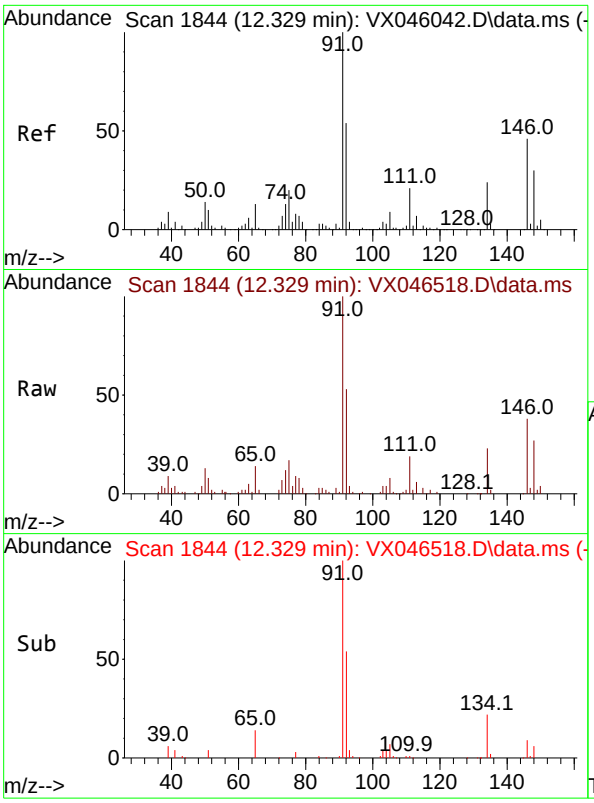


#88
1,4-Dichlorobenzene
Concen: 4.913 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:146 Resp: 14704

Ion	Ratio	Lower	Upper
146	100		
111	57.0	21.3	63.9
148	69.1	31.9	95.5

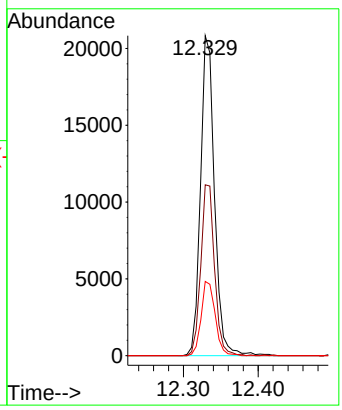




#89
n-Butylbenzene
Concen: 4.731 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 91 Resp: 2705

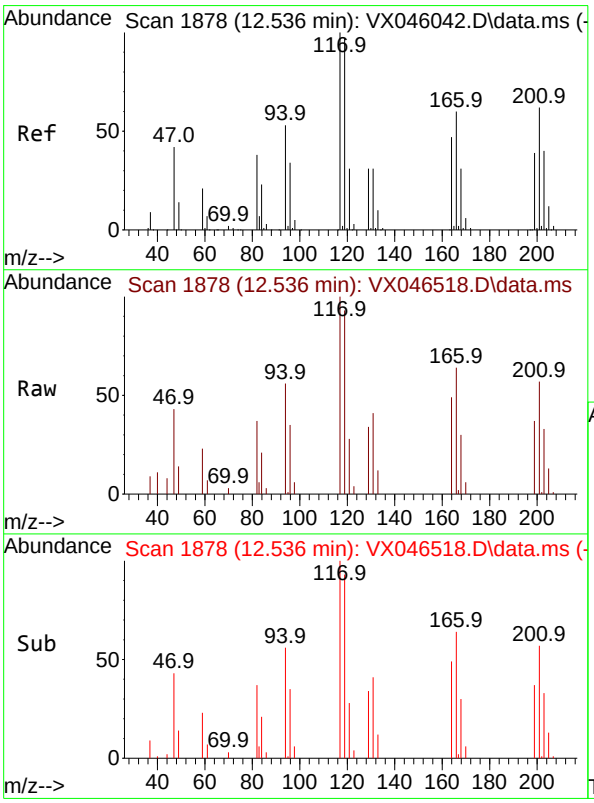
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.9	80.7
134	23.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

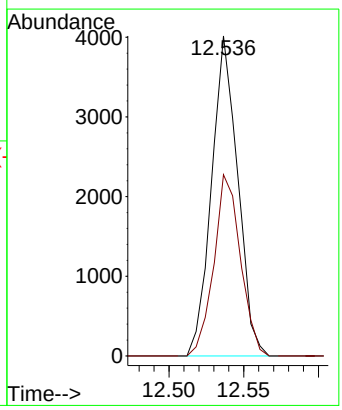
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

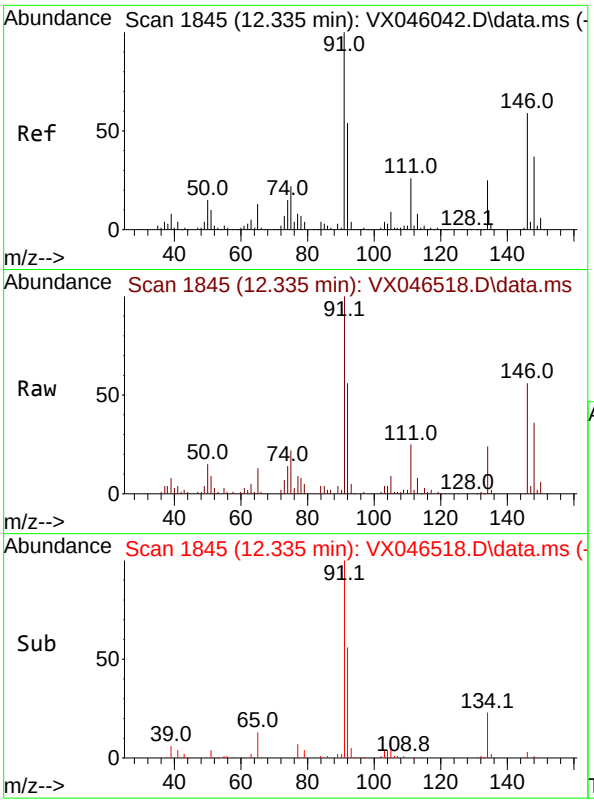


#90
Hexachloroethane
Concen: 4.719 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:117 Resp: 4884

Ion	Ratio	Lower	Upper
117	100		
201	57.6	31.6	94.7

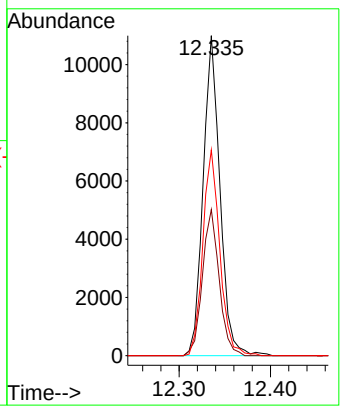




#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:146 Resp: 1410

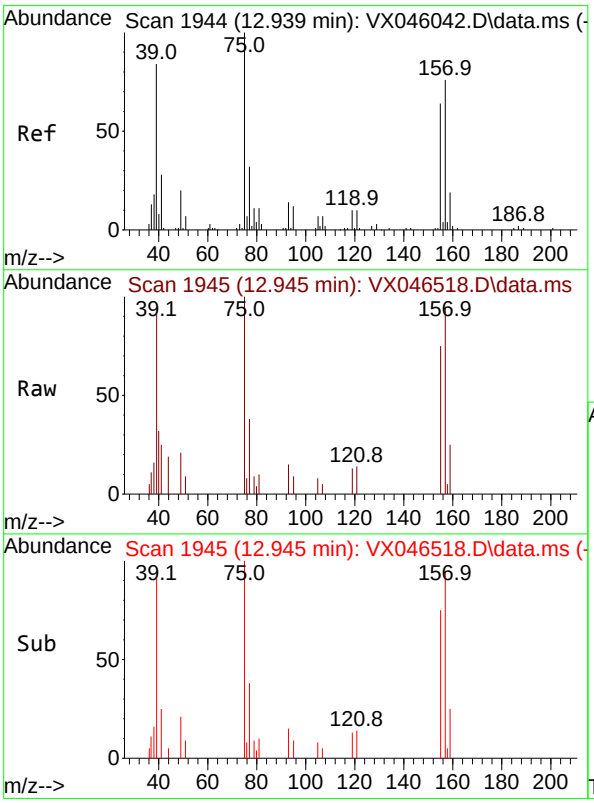
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.3
148	64.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

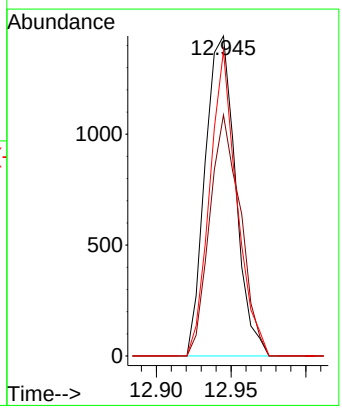
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

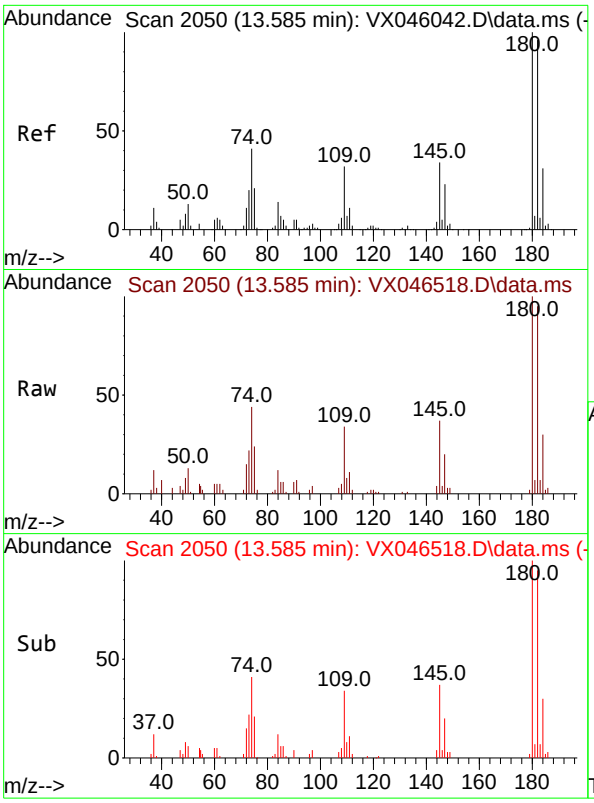


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.431 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion: 75 Resp: 2035

Ion	Ratio	Lower	Upper
75	100		
155	76.3	34.9	104.8
157	85.5	43.8	131.4

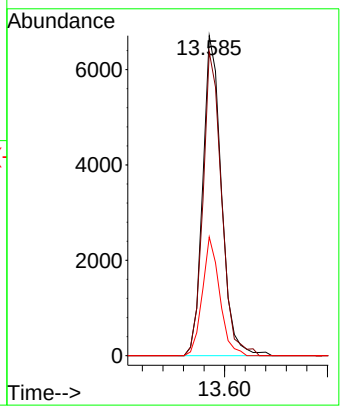




#93
1,2,4-Trichlorobenzene
Concen: 4.447 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:180 Resp: 845

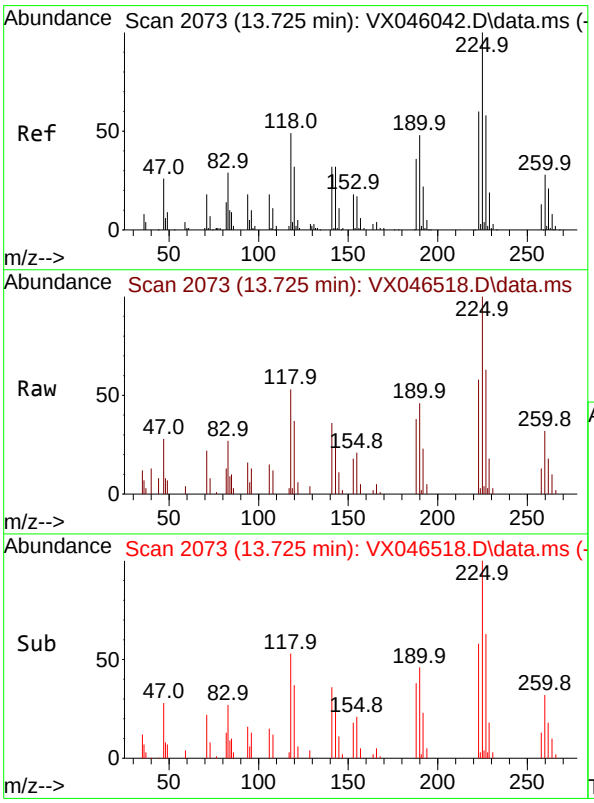
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.8
145	34.5	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

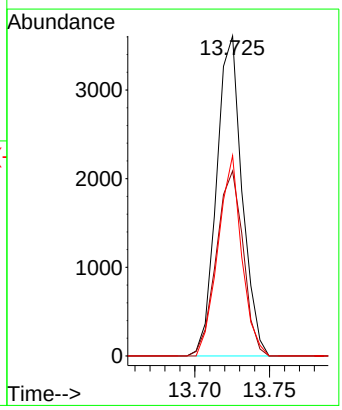
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

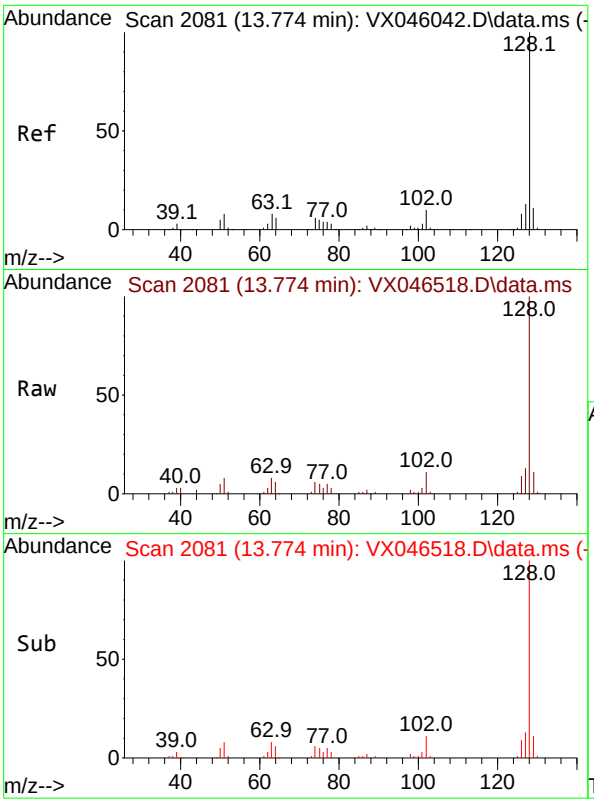


#94
Hexachlorobutadiene
Concen: 4.848 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:225 Resp: 4285

Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.8	92.4
227	58.1	30.9	92.7

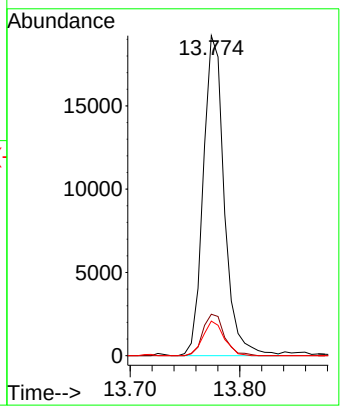




#95
Naphthalene
Concen: 4.242 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:128 Resp: 2558

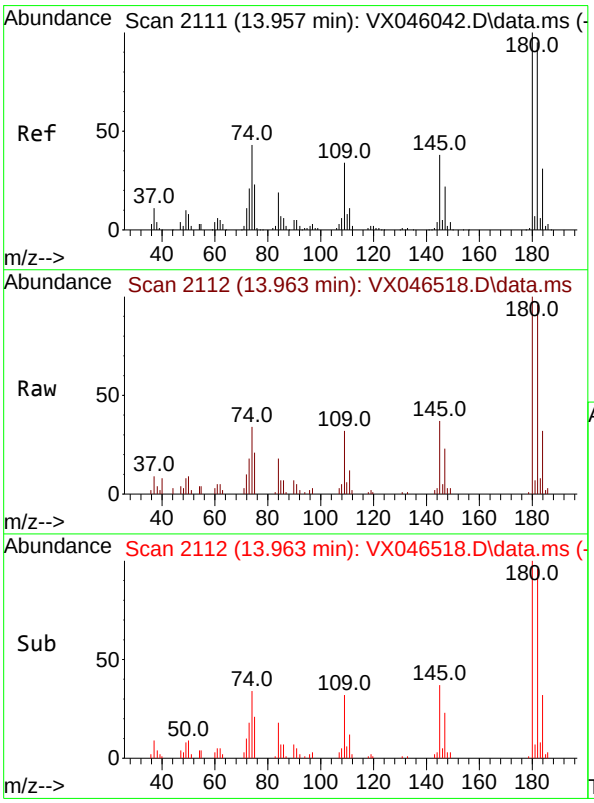
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

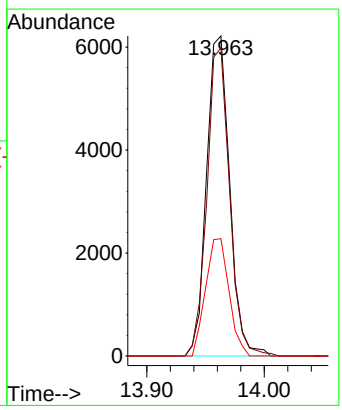
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.453 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046518.D
Acq: 06 Jun 2025 09:42

Tgt Ion:180 Resp: 8491

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	37.2	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	91899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155168	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	138173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	31177	19.069	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.140%#		
35) Dibromofluoromethane	5.391	113	21913	19.203	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.400%#		
50) Toluene-d8	8.647	98	71915	19.116	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.240%#		
62) 4-Bromofluorobenzene	11.079	95	29923	19.224	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.440%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	24011	18.820	ug/l	97
3) Chloromethane	1.307	50	21532	18.541	ug/l	97
4) Vinyl Chloride	1.386	62	21814	18.843	ug/l	99
5) Bromomethane	1.624	94	15765	22.432	ug/l	98
6) Chloroethane	1.703	64	14119	18.798	ug/l	97
7) Trichlorofluoromethane	1.904	101	38797	20.256	ug/l	95
8) Diethyl Ether	2.148	74	13057	19.294	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.343	101	23928	19.829	ug/l	98
10) Methyl Iodide	2.465	142	24399	18.652	ug/l	98
11) Tert butyl alcohol	2.965	59	16570	91.334	ug/l	98
12) 1,1-Dichloroethene	2.337	96	20232	18.543	ug/l	94
13) Acrolein	2.245	56	20307	111.446	ug/l	98
14) Allyl chloride	2.678	41	40999	19.133	ug/l	96
15) Acrylonitrile	3.075	53	67593	98.540	ug/l	99
16) Acetone	2.386	43	61298	98.314	ug/l	97
17) Carbon Disulfide	2.526	76	45190	19.630	ug/l	100
18) Methyl Acetate	2.715	43	39765	20.419	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	75365	19.741	ug/l	99
20) Methylene Chloride	2.800	84	24863	18.955	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	21333	18.476	ug/l	93
22) Diisopropyl ether	3.770	45	86178	20.399	ug/l #	77
23) Vinyl Acetate	3.733	43	309124	94.776	ug/l	100
24) 1,1-Dichloroethane	3.623	63	46528	19.761	ug/l	99
25) 2-Butanone	4.562	43	86287	94.804	ug/l	99
26) 2,2-Dichloropropane	4.489	77	33782	19.327	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	27631	19.439	ug/l	97
28) Bromochloromethane	4.910	49	21754	19.371	ug/l	99
29) Tetrahydrofuran	5.013	42	53547	93.158	ug/l	100
30) Chloroform	5.105	83	49854	20.208	ug/l	92
31) Cyclohexane	5.483	56	37188	19.565	ug/l	90
32) 1,1,1-Trichloroethane	5.391	97	41583	19.705	ug/l	98
36) 1,1-Dichloropropene	5.702	75	31397	19.262	ug/l	99
37) Ethyl Acetate	4.733	43	32379	20.357	ug/l	98
38) Carbon Tetrachloride	5.684	117	35956	19.695	ug/l	98
39) Methylcyclohexane	7.379	83	35729	18.571	ug/l	96
40) Benzene	6.044	78	93317	20.336	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	20773	21.027	ug/l		96
42) 1,2-Dichloroethane	6.098	62	39768	20.832	ug/l		100
43) Isopropyl Acetate	6.342	43	55054	19.851	ug/l		99
44) Trichloroethene	7.129	130	22094	18.950	ug/l		97
45) 1,2-Dichloropropane	7.434	63	24588	20.760	ug/l		98
46) Dibromomethane	7.586	93	17753	19.924	ug/l		97
47) Bromodichloromethane	7.824	83	38325	20.919	ug/l		100
48) Methyl methacrylate	7.696	41	28189	19.755	ug/l		98
49) 1,4-Dioxane	7.665	88	8127	425.896	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	180974	102.687	ug/l		99
52) Toluene	8.720	92	56537	20.055	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	32552	19.817	ug/l		99
54) cis-1,3-Dichloropropene	8.372	75	36009	19.716	ug/l		89
55) 1,1,2-Trichloroethane	9.153	97	24130	21.322	ug/l		98
56) Ethyl methacrylate	9.116	69	35137	20.176	ug/l		97
57) 1,3-Dichloropropane	9.305	76	41306	20.653	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	93580	98.650	ug/l		99
59) 2-Hexanone	9.427	43	128964	102.032	ug/l		99
60) Dibromochloromethane	9.519	129	27175	20.414	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23582	19.996	ug/l		99
64) Tetrachloroethene	9.275	164	17890	19.362	ug/l		94
65) Chlorobenzene	10.079	112	63695	19.600	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22188	20.205	ug/l		99
67) Ethyl Benzene	10.195	91	112127	19.765	ug/l		98
68) m/p-Xylenes	10.299	106	82876	40.272	ug/l		97
69) o-Xylene	10.640	106	40415	20.304	ug/l		99
70) Styrene	10.653	104	69469	20.388	ug/l		100
71) Bromoform	10.799	173	16593	19.817	ug/l	#	97
73) Isopropylbenzene	10.963	105	110221	20.092	ug/l		100
74) N-amyl acetate	10.842	43	46707	19.334	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	36116	20.568	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30039m	19.991	ug/l		
77) Bromobenzene	11.195	156	25827	20.283	ug/l		96
78) n-propylbenzene	11.305	91	133297	20.075	ug/l		100
79) 2-Chlorotoluene	11.360	91	80101	20.005	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	92024	20.131	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9832	19.187	ug/l		99
82) 4-Chlorotoluene	11.451	91	93283	19.655	ug/l		98
83) tert-Butylbenzene	11.713	119	93897	20.178	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	93782	20.279	ug/l		98
85) sec-Butylbenzene	11.890	105	119909	20.054	ug/l		99
86) p-Isopropyltoluene	12.006	119	99196	19.900	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47842	19.349	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	48453	18.912	ug/l		99
89) n-Butylbenzene	12.329	91	94297	19.263	ug/l		99
90) Hexachloroethane	12.536	117	16809	18.972	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	47259	19.801	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7586	19.293	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	30280	18.598	ug/l		98
94) Hexachlorobutadiene	13.725	225	14184	18.746	ug/l		97
95) Naphthalene	13.774	128	98466	19.071	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	30099	18.437	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

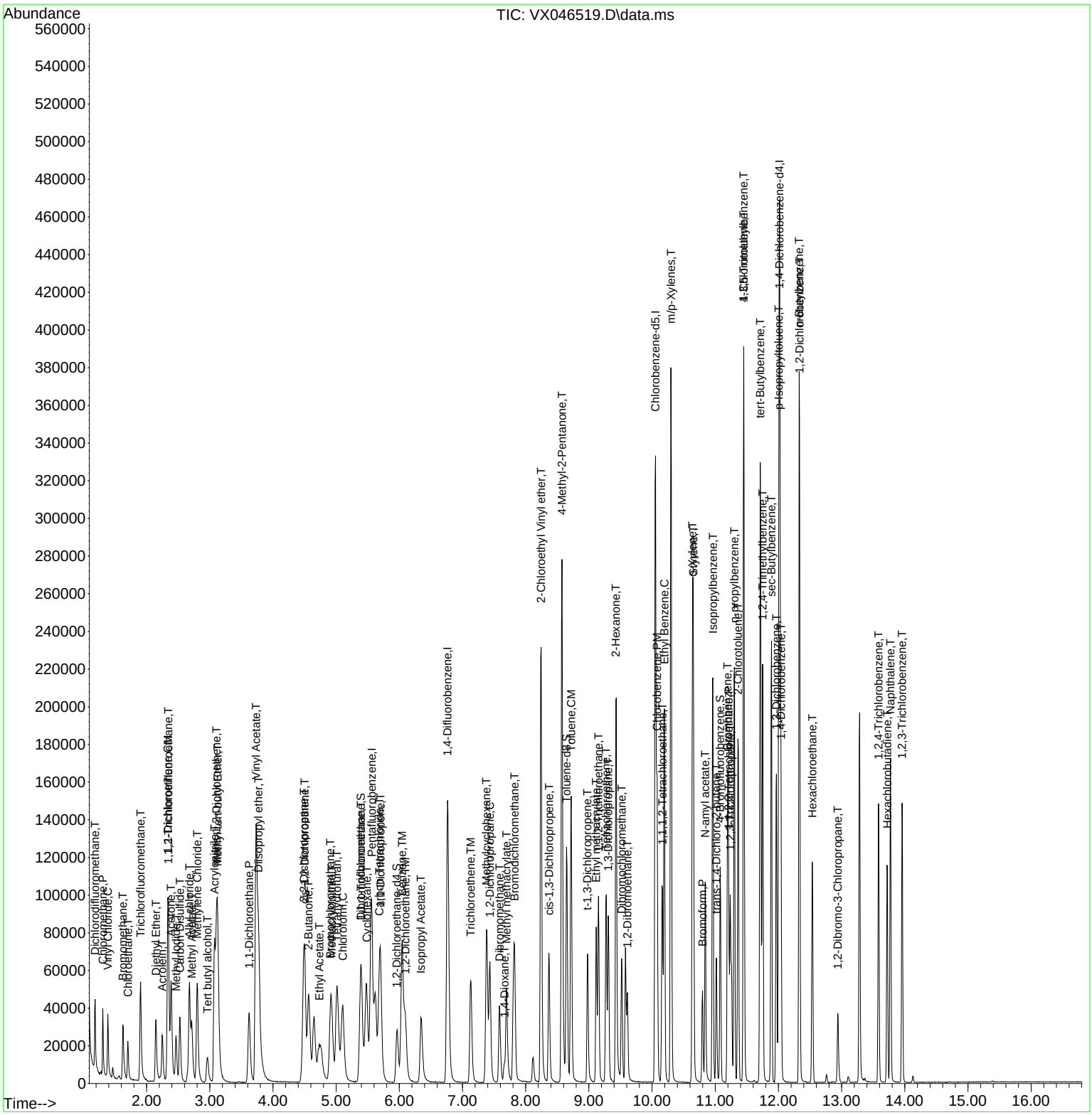
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

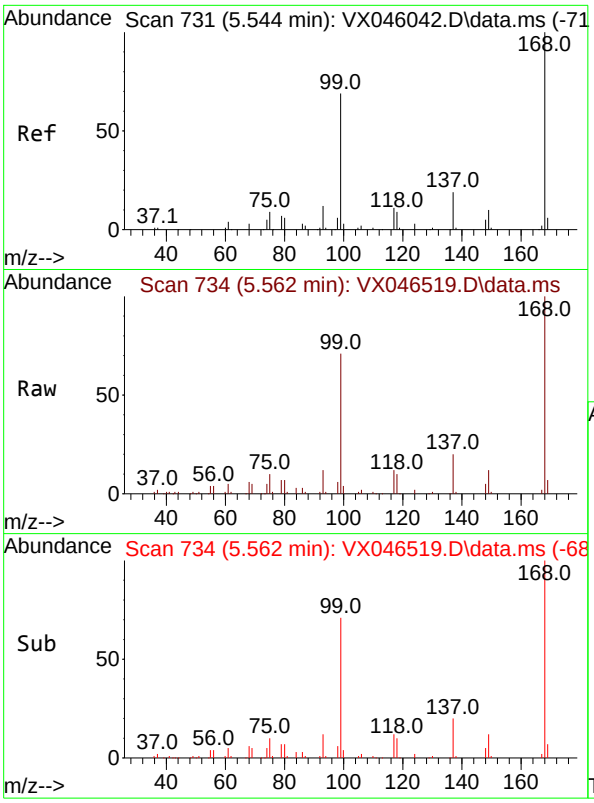
Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

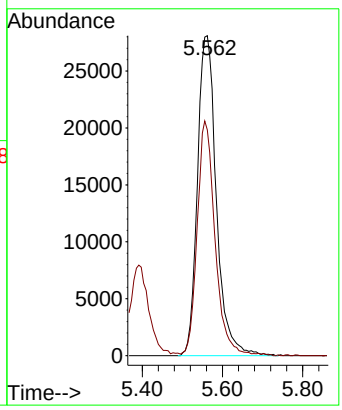




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:168 Resp: 9189

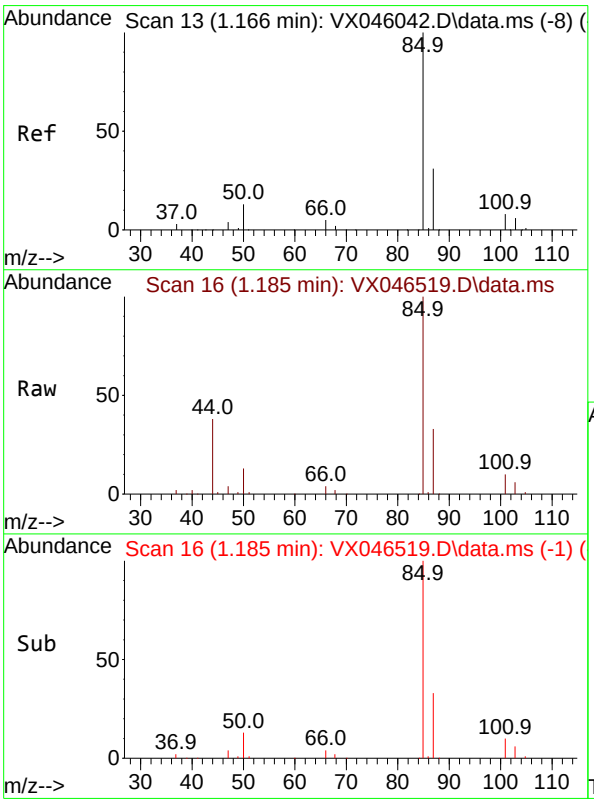
Ion	Ratio	Lower	Upper
168	100		
99	70.3	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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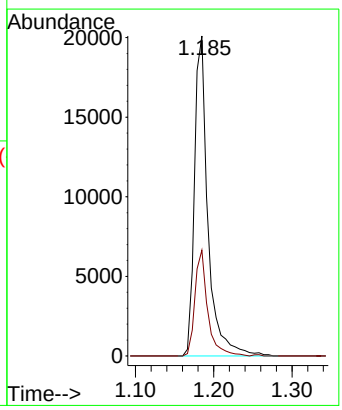
Reviewed By :John Carlone 06/06/2025
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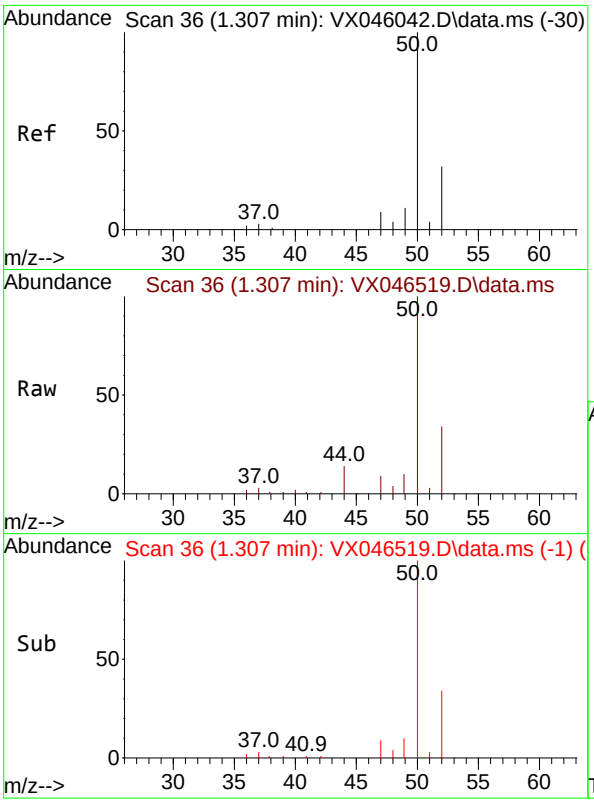


#2
Dichlorodifluoromethane
Concen: 18.820 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 85 Resp: 24011

Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.7	47.1





#3
Chloromethane
Concen: 18.541 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

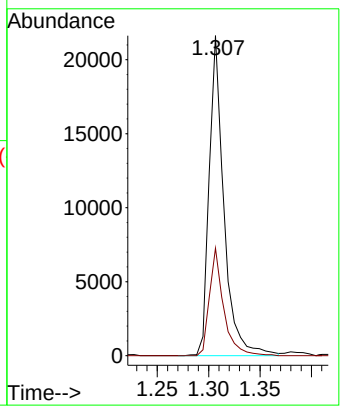
Tgt Ion: 50 Resp: 2153

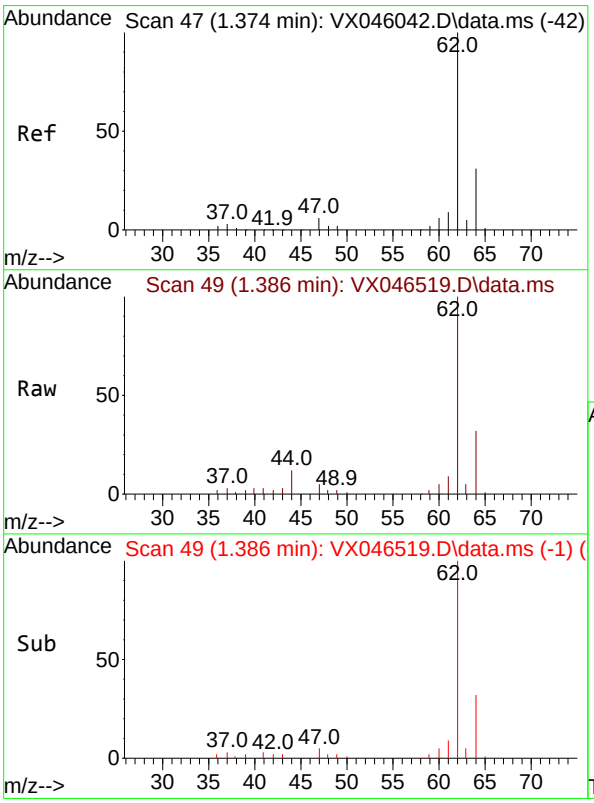
Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.4	38.2

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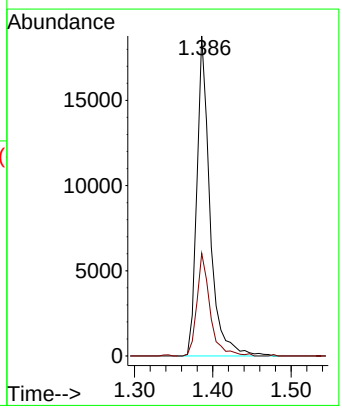


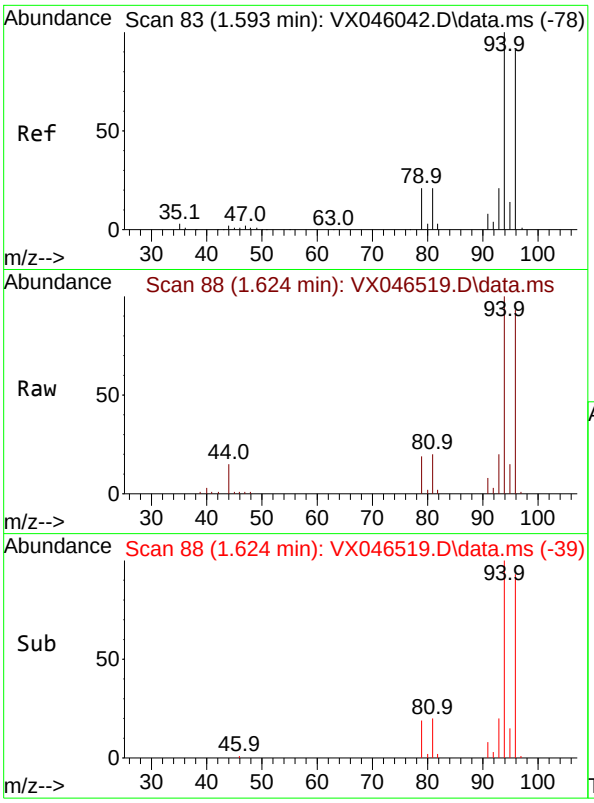


#4
Vinyl Chloride
Concen: 18.843 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 62 Resp: 21814

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.2	37.8

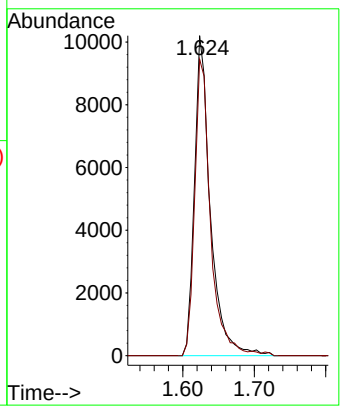




#5
Bromomethane
Concen: 22.432 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 94 Resp: 1576

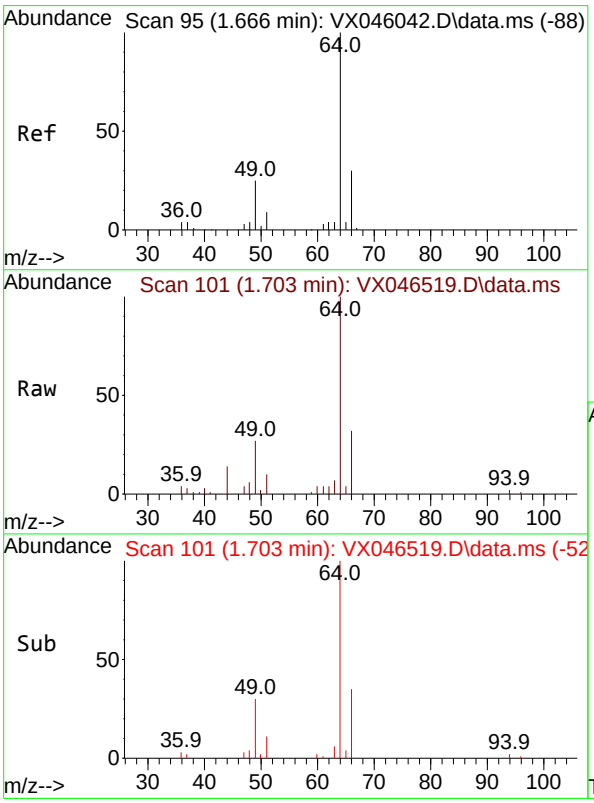
Ion	Ratio	Lower	Upper
94	100		
96	92.6	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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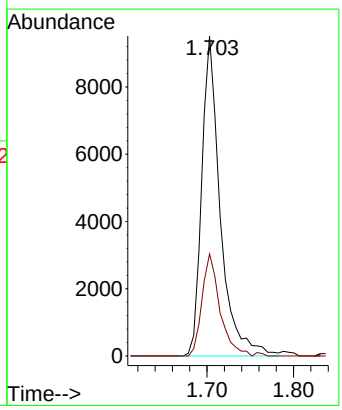
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

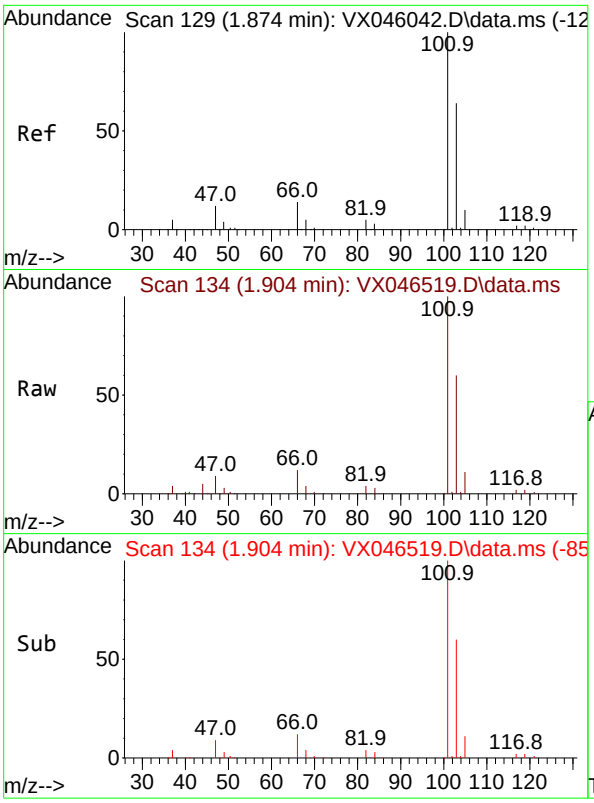


#6
Chloroethane
Concen: 18.798 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 64 Resp: 14119

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.3	36.5

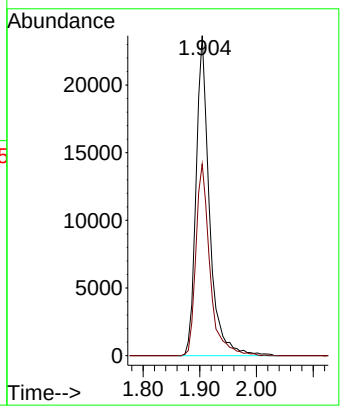




#7
Trichlorofluoromethane
Concen: 20.256 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:101 Resp: 3879

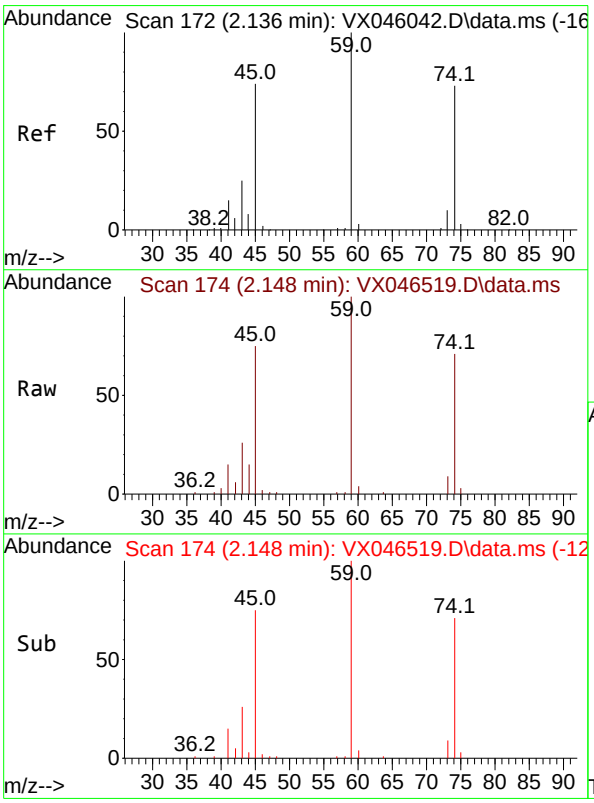
Ion	Ratio	Lower	Upper
101	100		
103	59.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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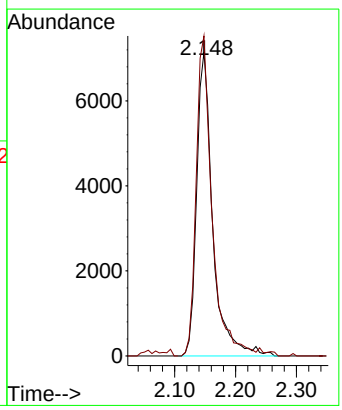
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

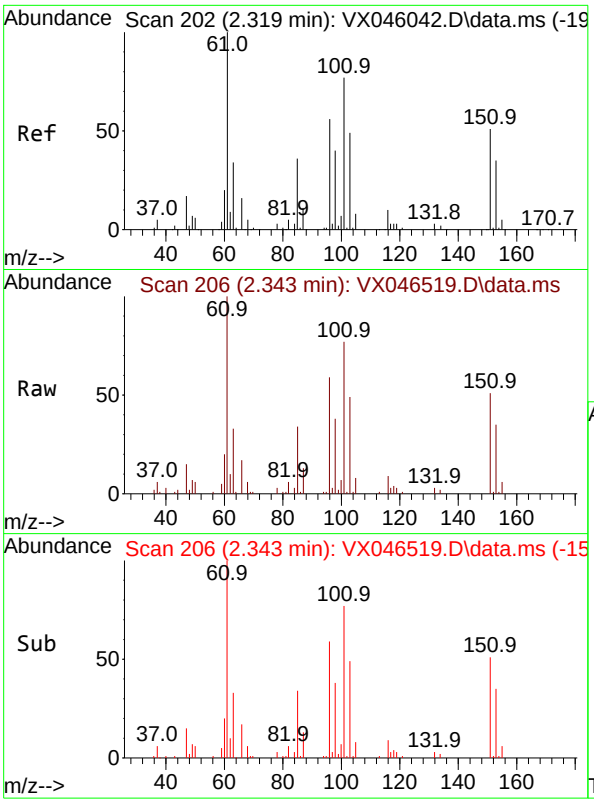


#8
Diethyl Ether
Concen: 19.294 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 74 Resp: 13057

Ion	Ratio	Lower	Upper
74	100		
45	104.0	54.9	164.8

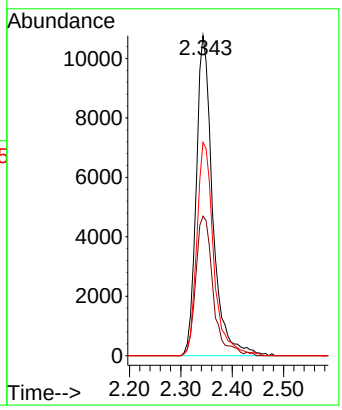




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.829 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:101 Resp: 2392

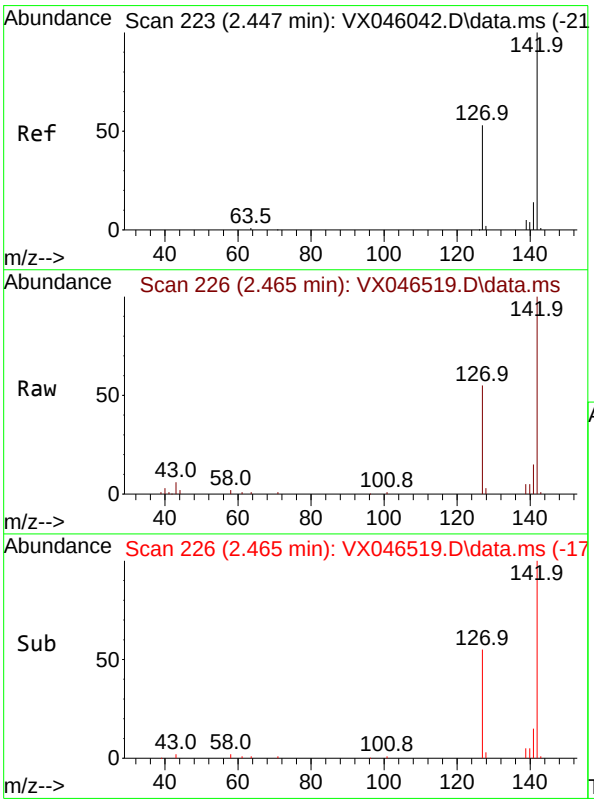
Ion	Ratio	Lower	Upper
101	100		
85	45.9	38.6	58.0
151	67.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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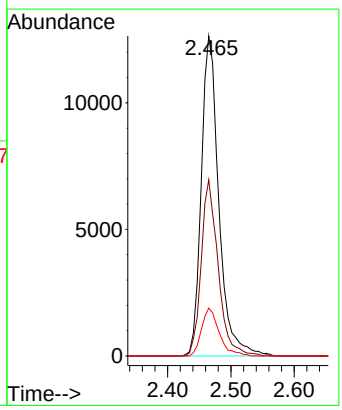
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

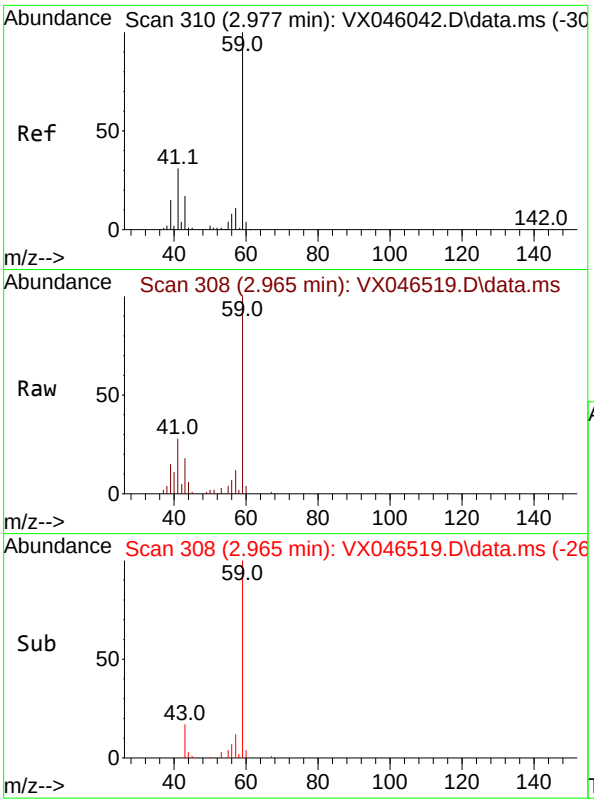


#10
Methyl Iodide
Concen: 18.652 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:142 Resp: 24399

Ion	Ratio	Lower	Upper
142	100		
127	53.3	41.7	62.5
141	15.1	11.5	17.3

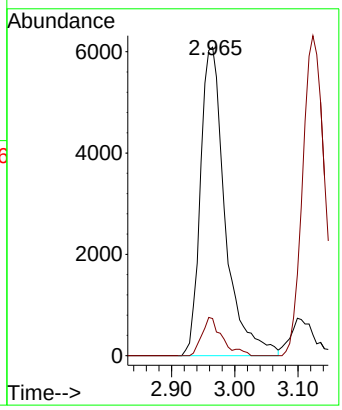




#11
Tert butyl alcohol
Concen: 91.334 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 59 Resp: 1657

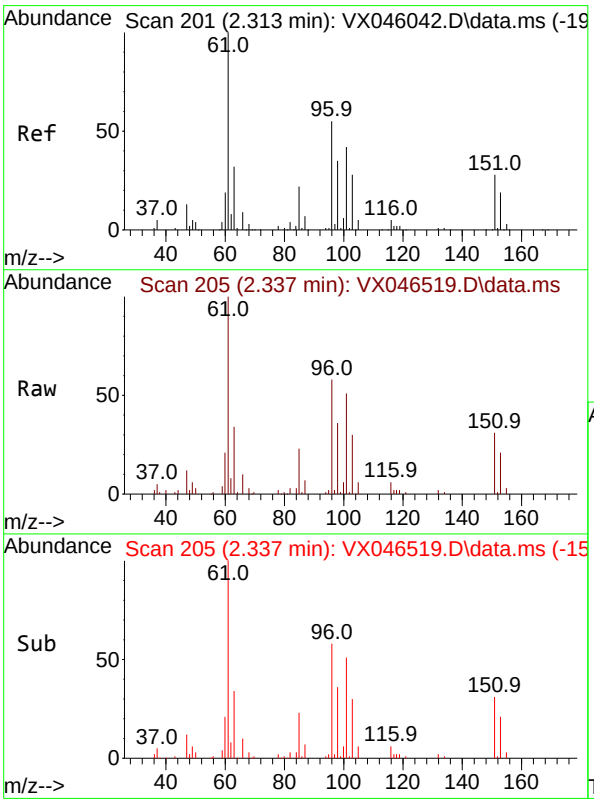
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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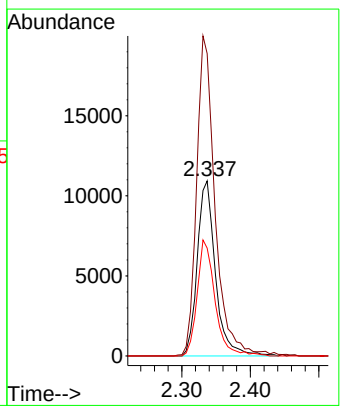
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

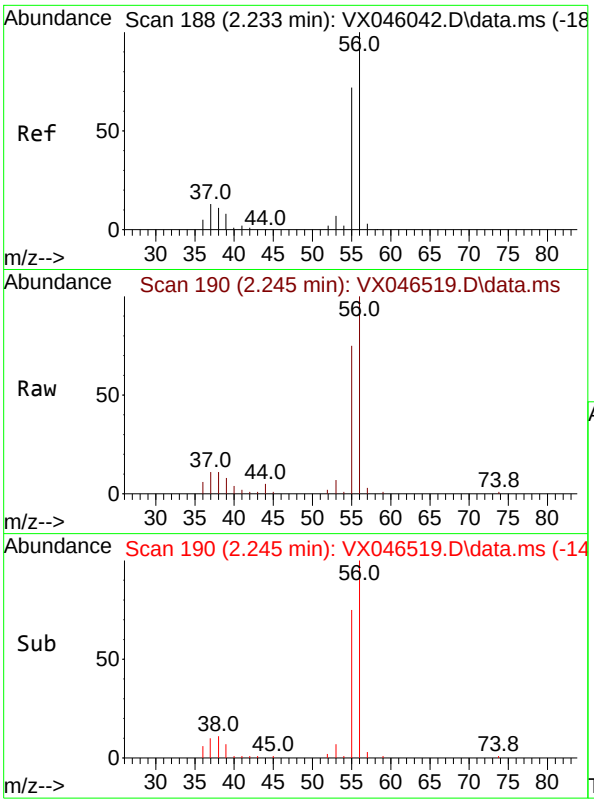


#12
1,1-Dichloroethene
Concen: 18.543 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 96 Resp: 20232

Ion	Ratio	Lower	Upper
96	100		
61	172.3	146.2	219.2
98	61.6	51.0	76.6





#13
Acrolein
Concen: 111.446 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

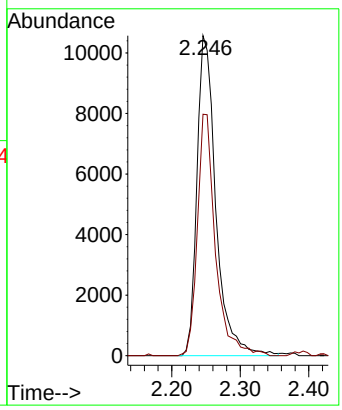
Tgt Ion: 56 Resp: 2030

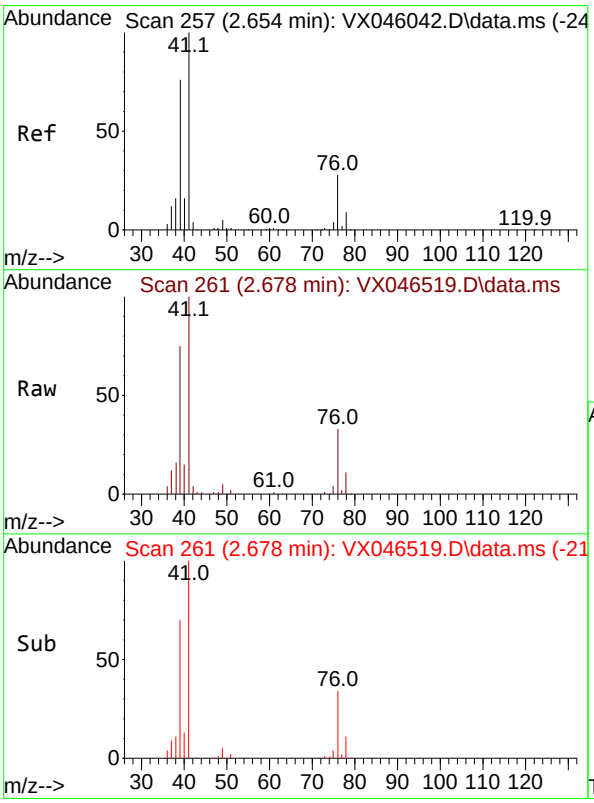
Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
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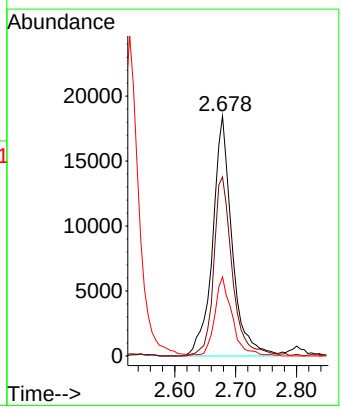


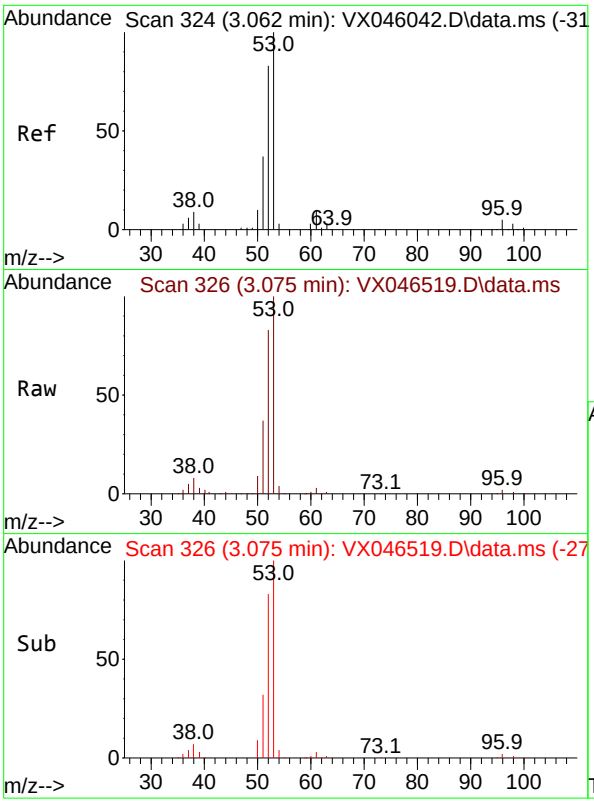


#14
Allyl chloride
Concen: 19.133 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 41 Resp: 40999

Ion	Ratio	Lower	Upper
41	100		
39	71.5	60.6	90.8
76	29.5	24.9	37.3

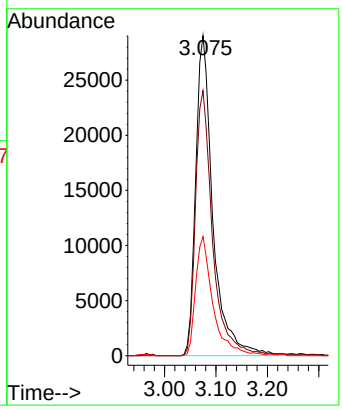




#15
Acrylonitrile
Concen: 98.540 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 53 Resp: 6759

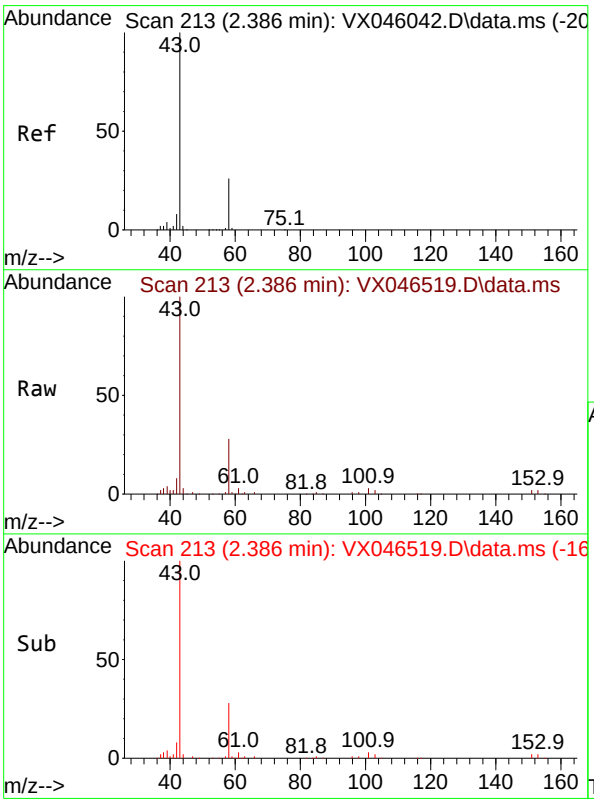
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	37.6	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
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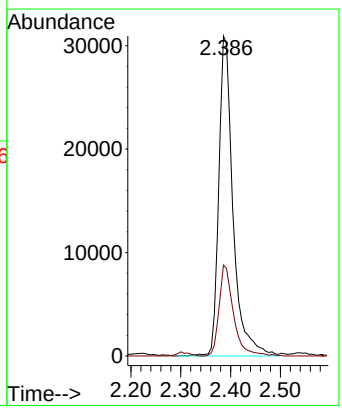
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

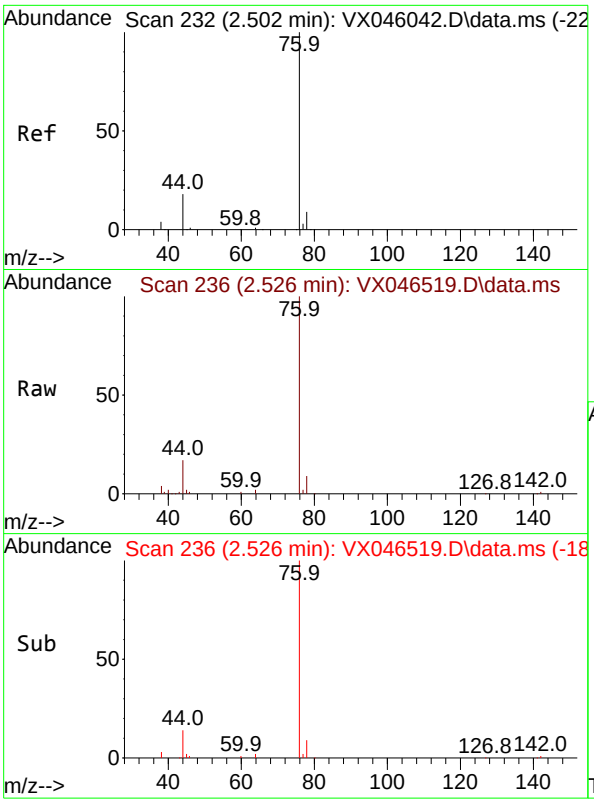


#16
Acetone
Concen: 98.314 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 61298

Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.2	31.8

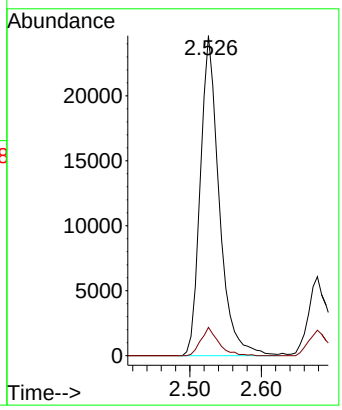




#17
Carbon Disulfide
Concen: 19.630 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 76 Resp: 4519

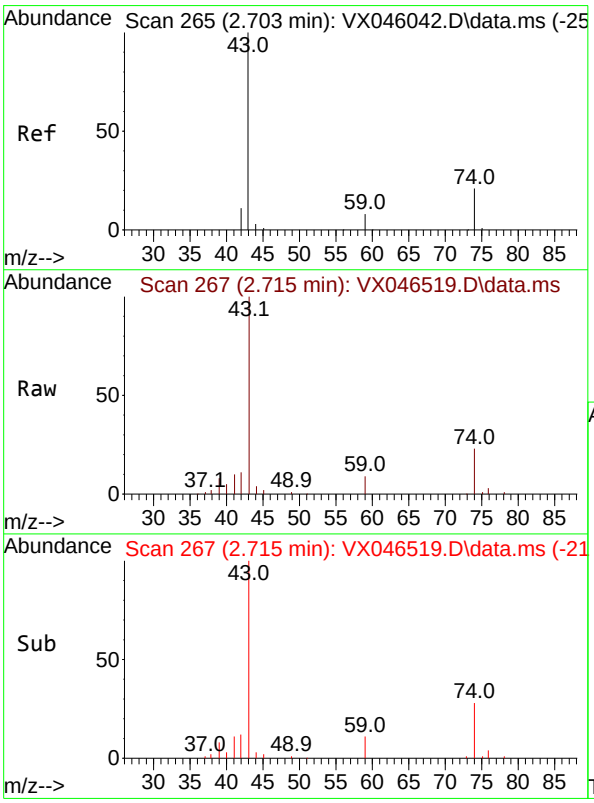
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
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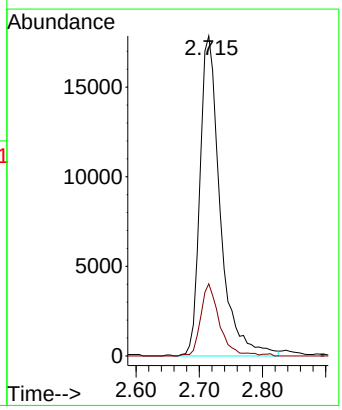
Reviewed By :John Carlone 06/06/2025
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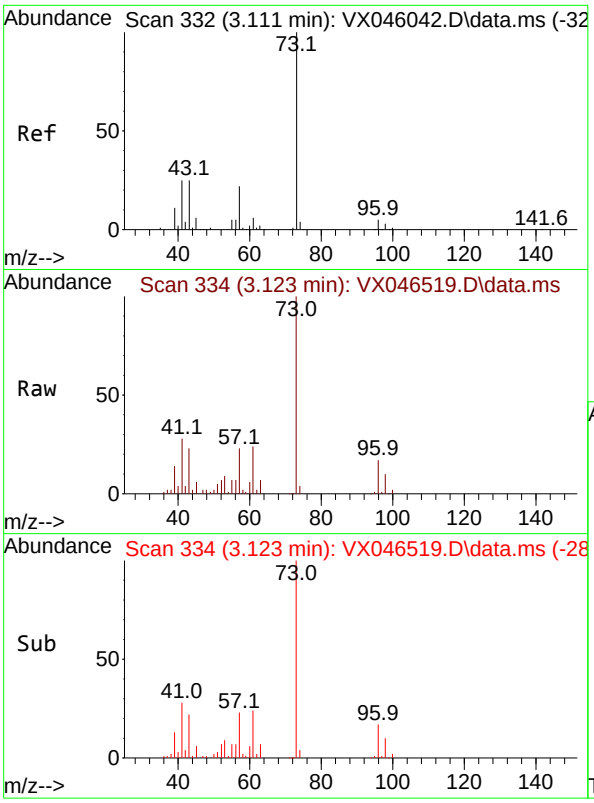


#18
Methyl Acetate
Concen: 20.419 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 39765

Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1

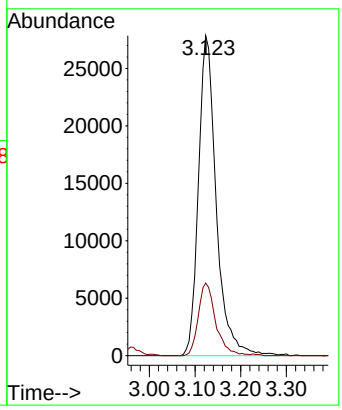




#19
Methyl tert-butyl Ether
Concen: 19.741 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 73 Resp: 7536

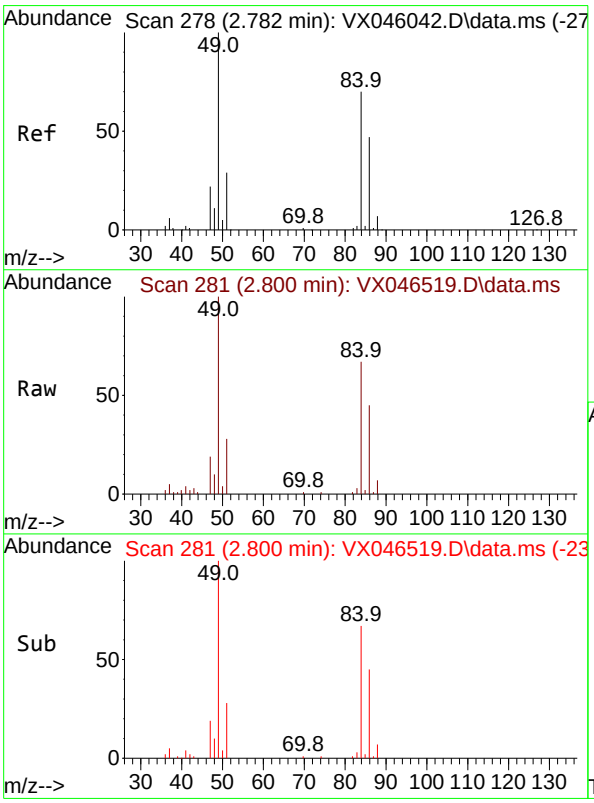
Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

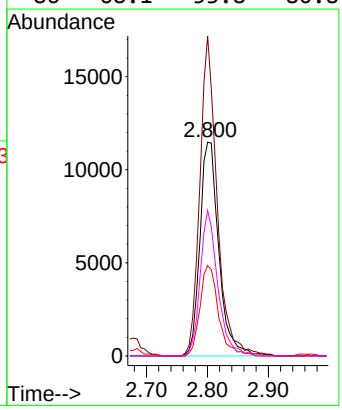
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

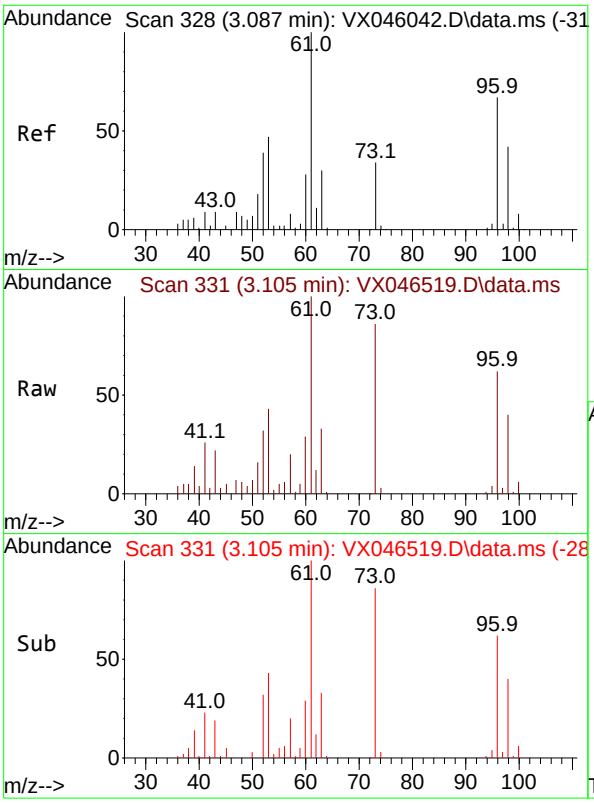


#20
Methylene Chloride
Concen: 18.955 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 84 Resp: 24863

Ion	Ratio	Lower	Upper
84	100		
49	149.7	113.9	170.9
51	42.3	33.5	50.3
86	68.1	53.8	80.8

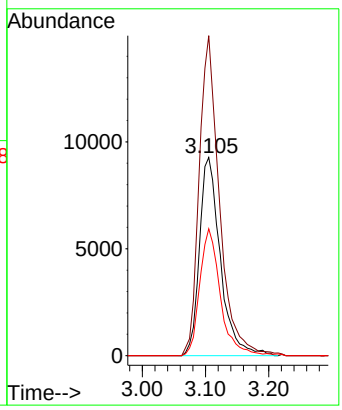




#21
trans-1,2-Dichloroethene
Concen: 18.476 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 96 Resp: 2133

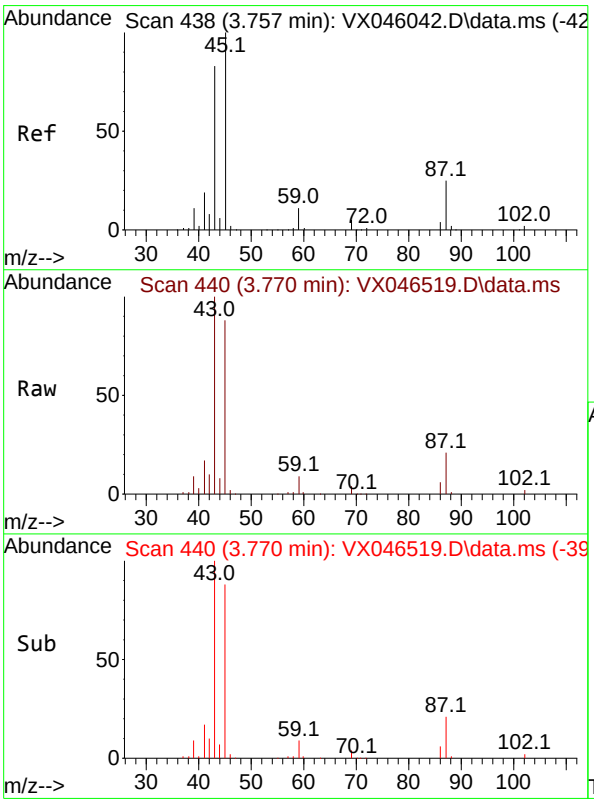
Ion	Ratio	Lower	Upper
96	100		
61	161.4	119.5	179.3
98	64.0	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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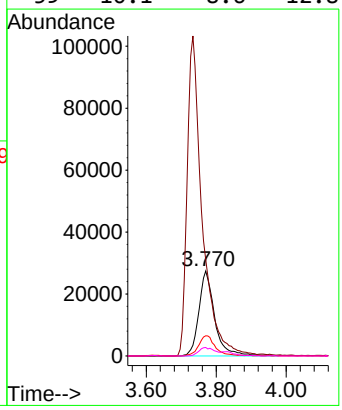
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

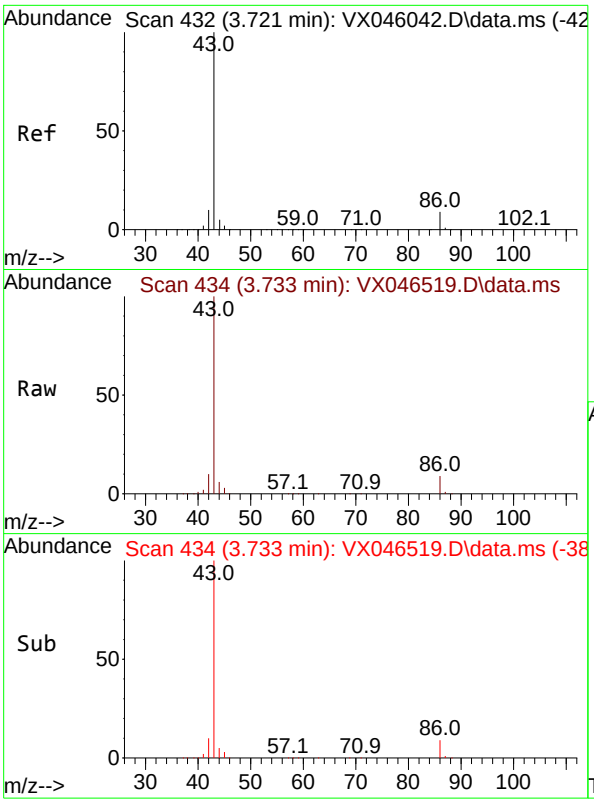


#22
Diisopropyl ether
Concen: 20.399 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 45 Resp: 86178

Ion	Ratio	Lower	Upper
45	100		
43	112.6	66.6	100.0#
87	23.6	19.8	29.6
59	10.1	8.6	12.8

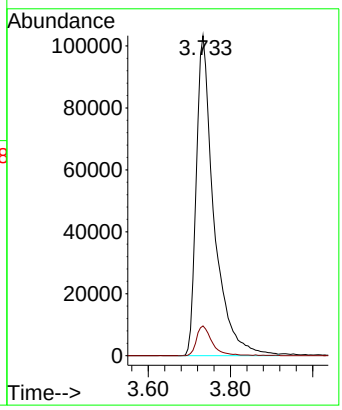




#23
Vinyl Acetate
Concen: 94.776 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 30912

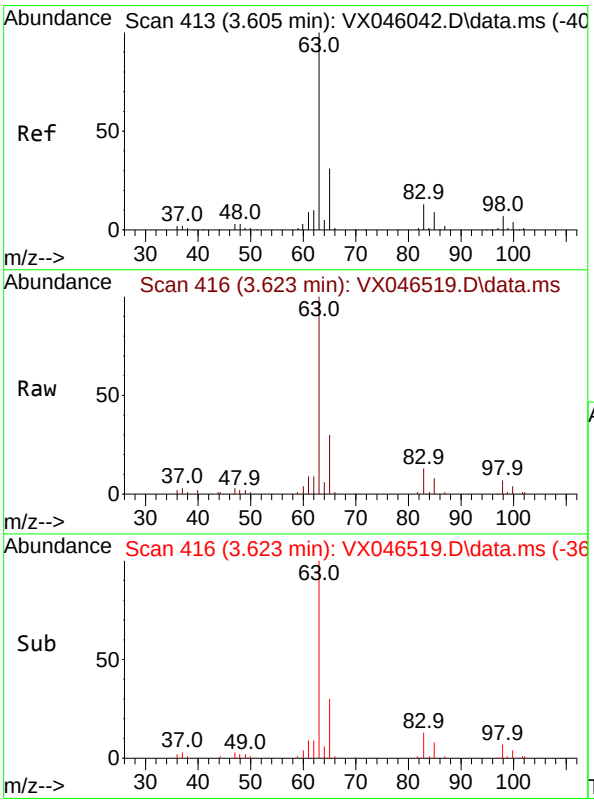
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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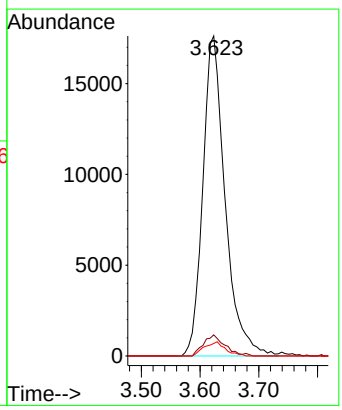
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

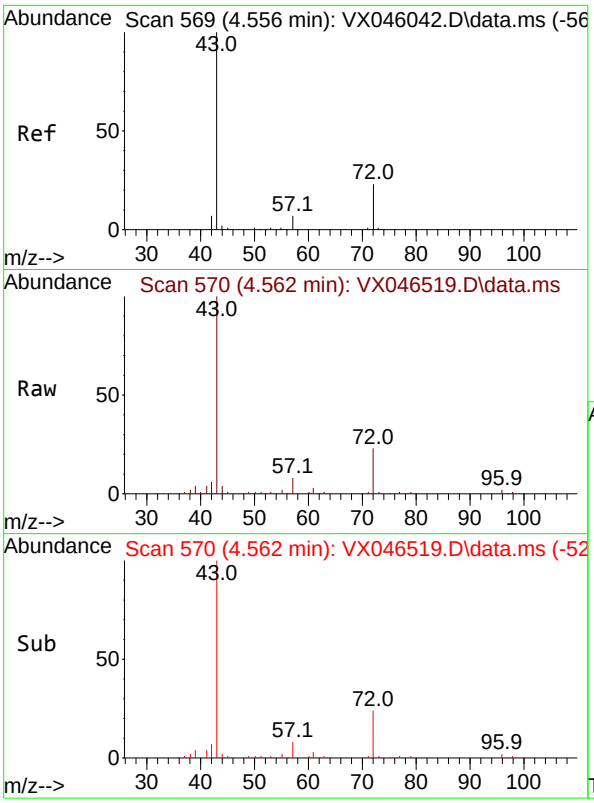


#24
1,1-Dichloroethane
Concen: 19.761 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 63 Resp: 46528

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	3.9	2.1	6.3





#25
2-Butanone
Concen: 94.804 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

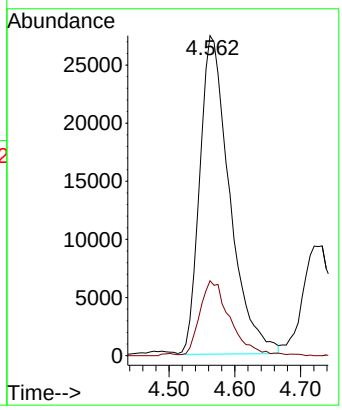
Tgt Ion: 43 Resp: 8628

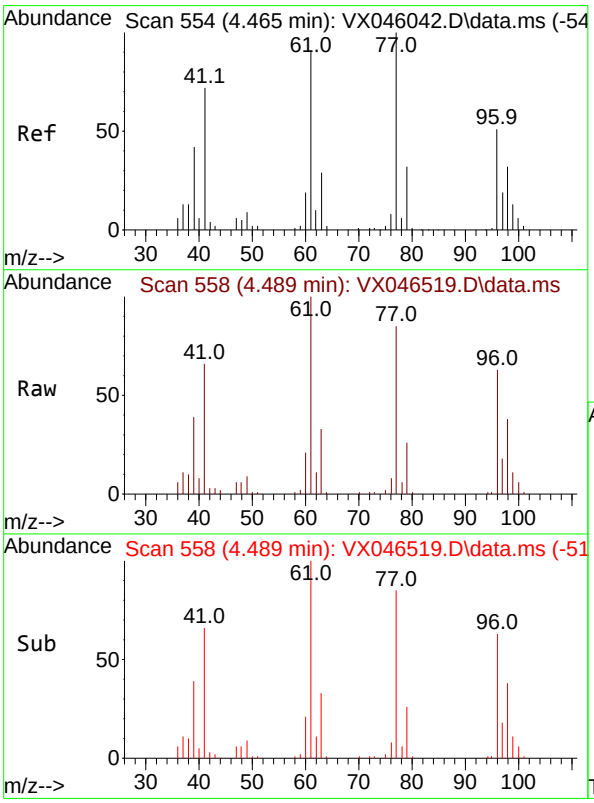
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

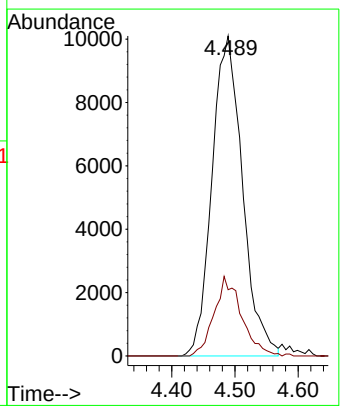


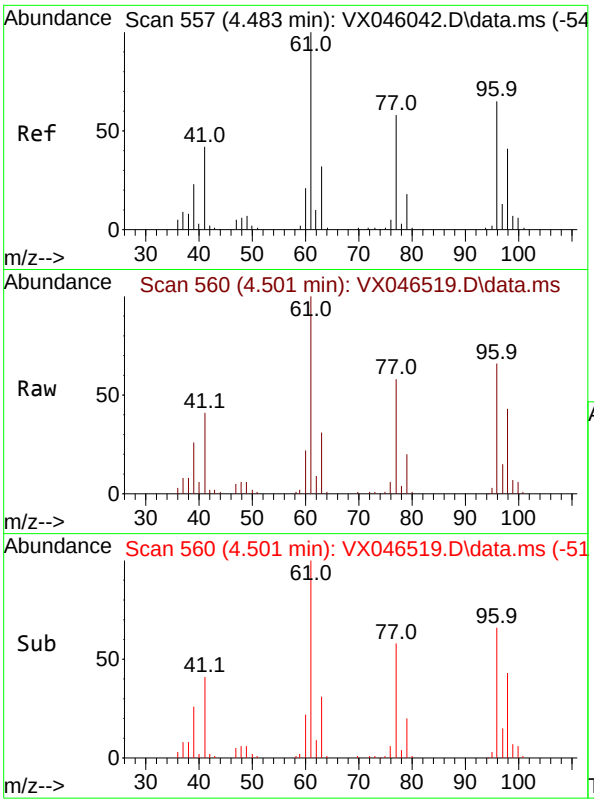


#26
2,2-Dichloropropane
Concen: 19.327 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 77 Resp: 33782

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.5	31.5

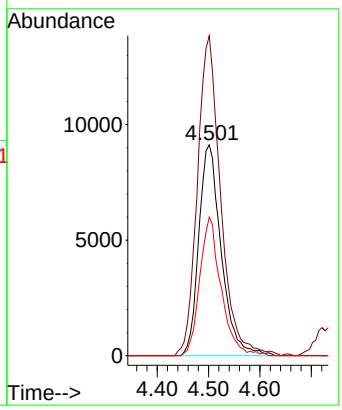




#27
cis-1,2-Dichloroethene
Concen: 19.439 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 96 Resp: 2763

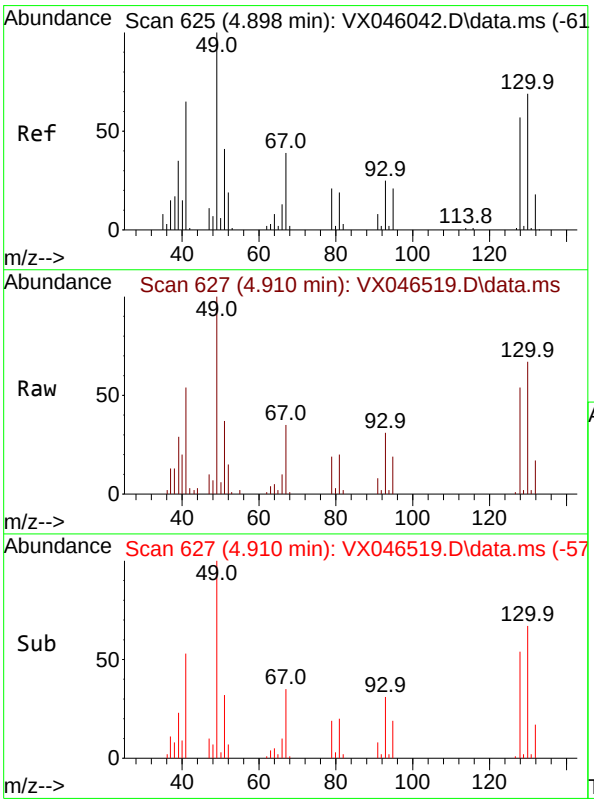
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	322.8
98	62.4	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

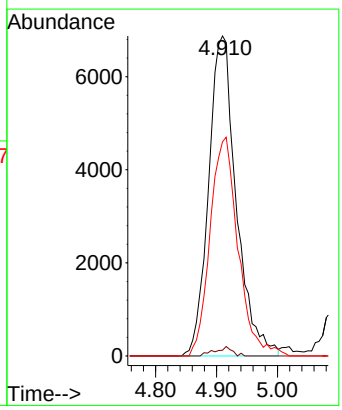
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

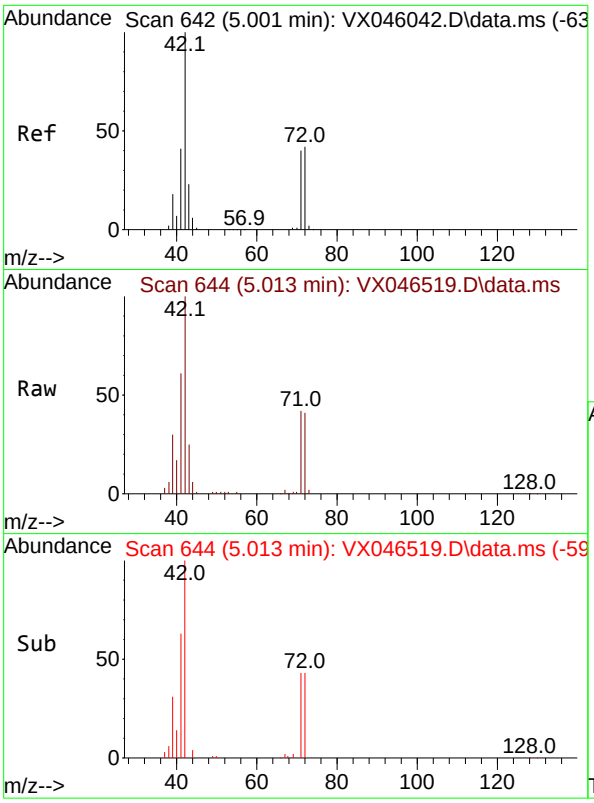


#28
Bromochloromethane
Concen: 19.371 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 49 Resp: 21754

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	69.0	56.2	84.2

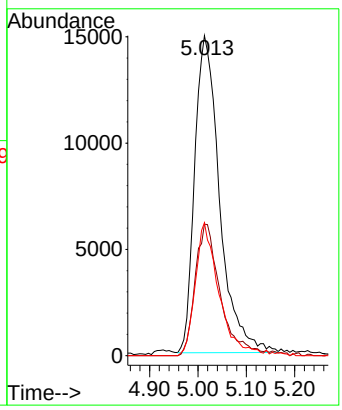




#29
Tetrahydrofuran
Concen: 93.158 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 42 Resp: 5354

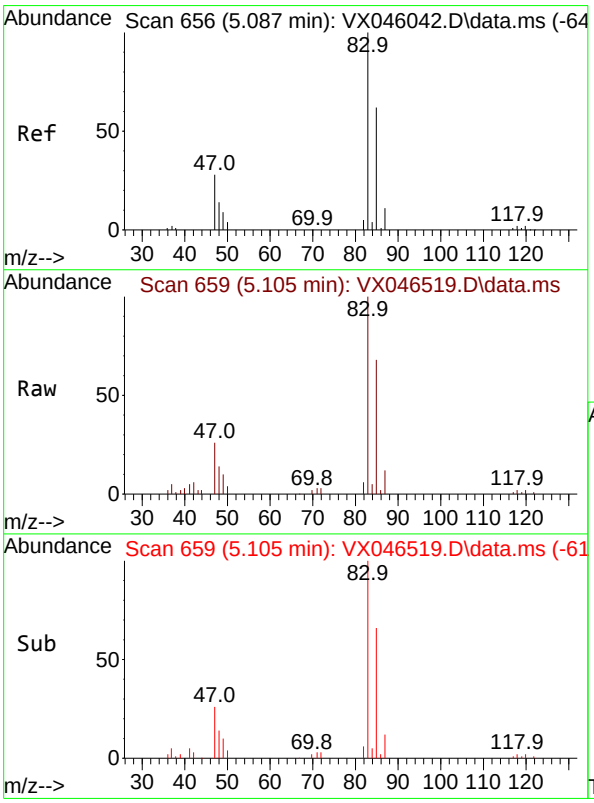
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

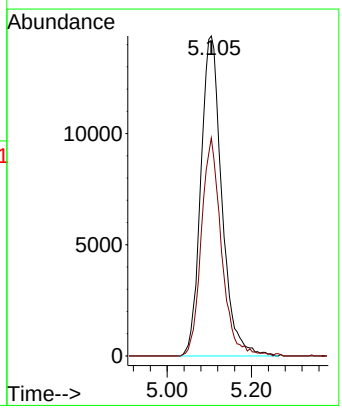
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

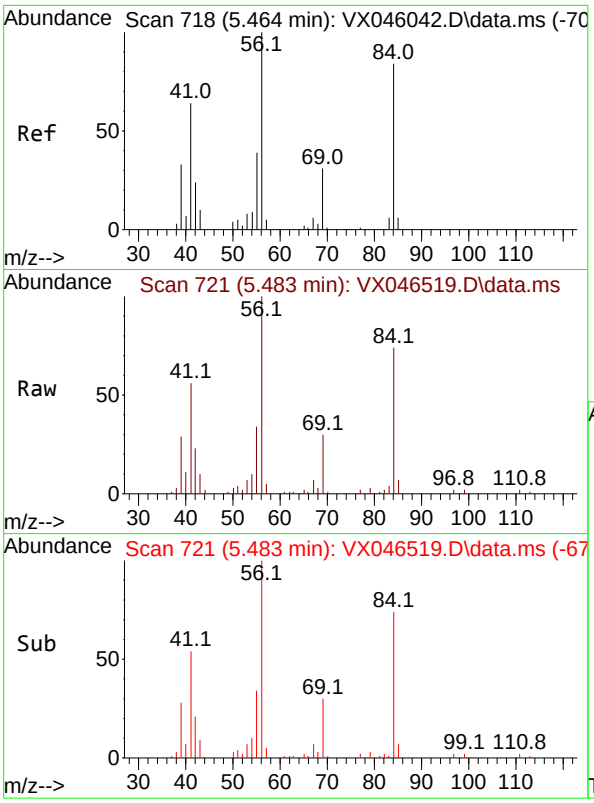


#30
Chloroform
Concen: 20.208 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 83 Resp: 49854

Ion	Ratio	Lower	Upper
83	100		
85	68.1	49.3	73.9

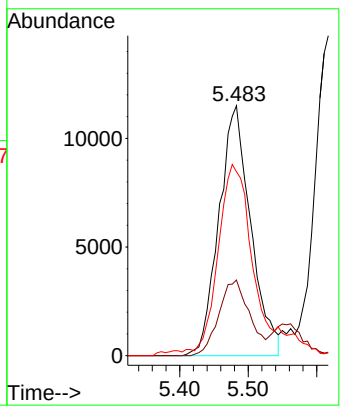




#31
Cyclohexane
Concen: 19.565 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 56 Resp: 3718

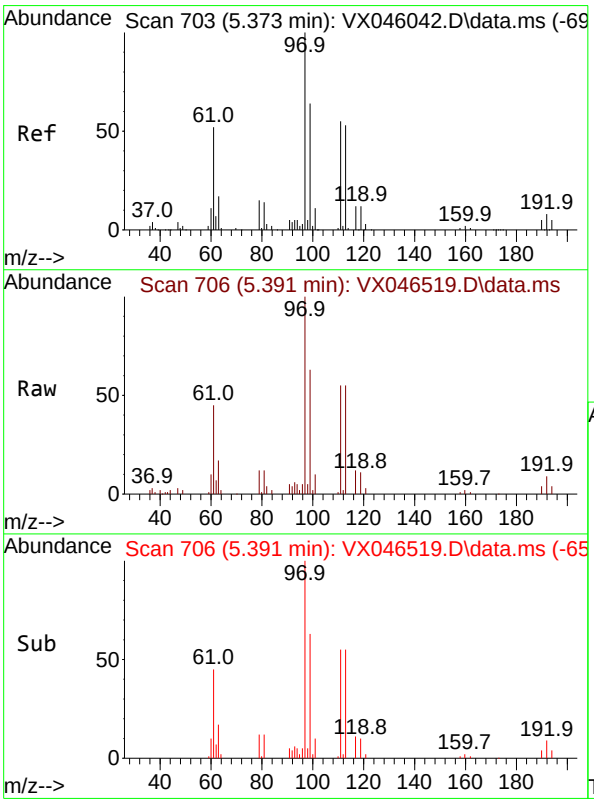
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.4	36.6
84	71.7	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

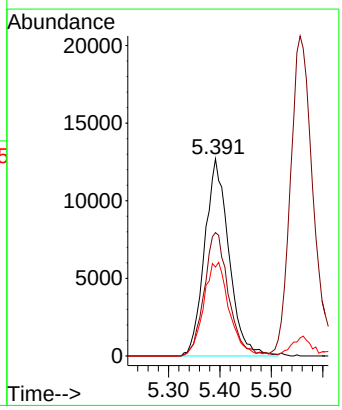
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

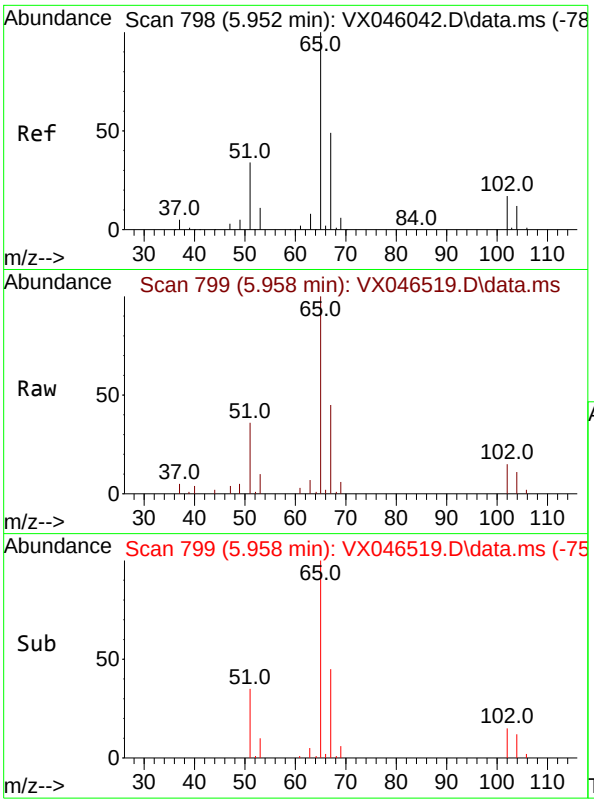


#32
1,1,1-Trichloroethane
Concen: 19.705 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 97 Resp: 41583

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.8	77.6
61	50.8	40.1	60.1

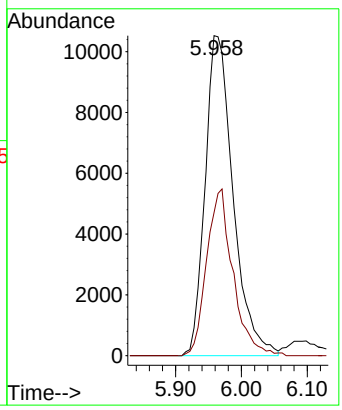




#33
1,2-Dichloroethane-d4
Concen: 19.069 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 65 Resp: 3117

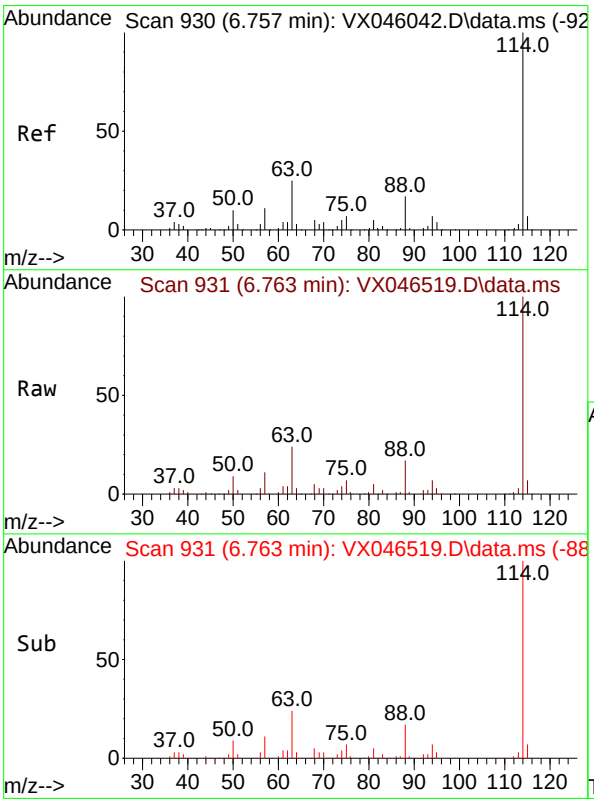
Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

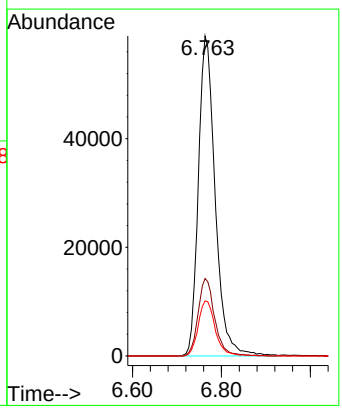
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

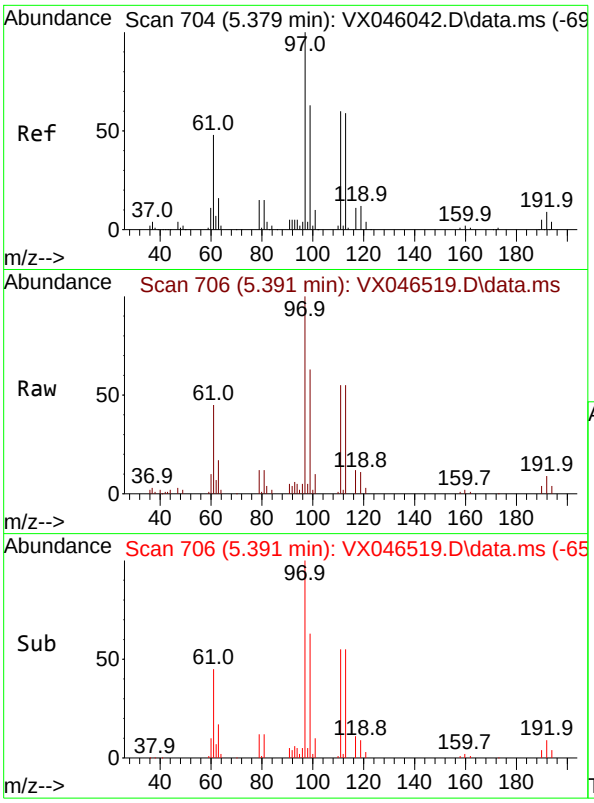


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:114 Resp: 155168

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.2	0.0	33.6

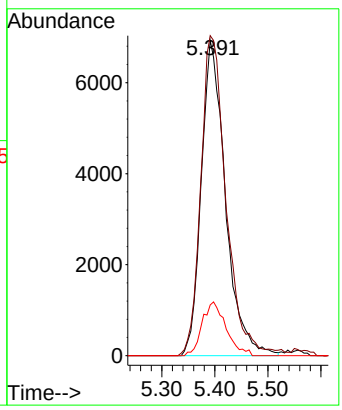




#35
Dibromofluoromethane
Concen: 19.203 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:113 Resp: 2191

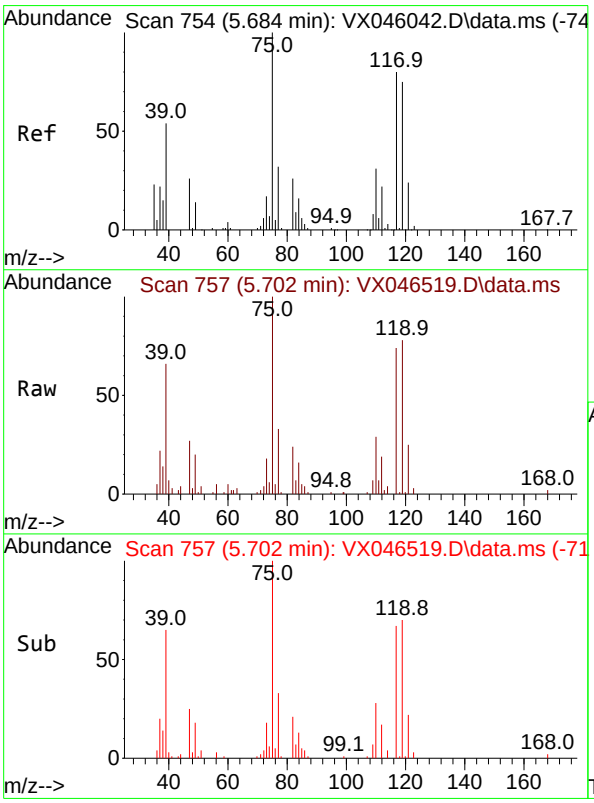
Ion	Ratio	Lower	Upper
113	100		
111	106.4	83.1	124.7
192	16.9	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

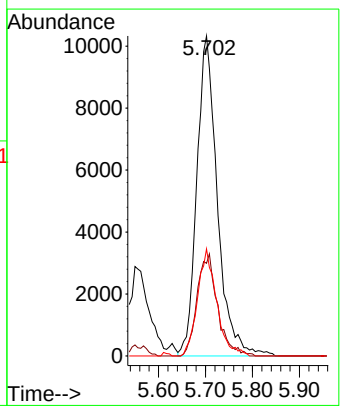
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

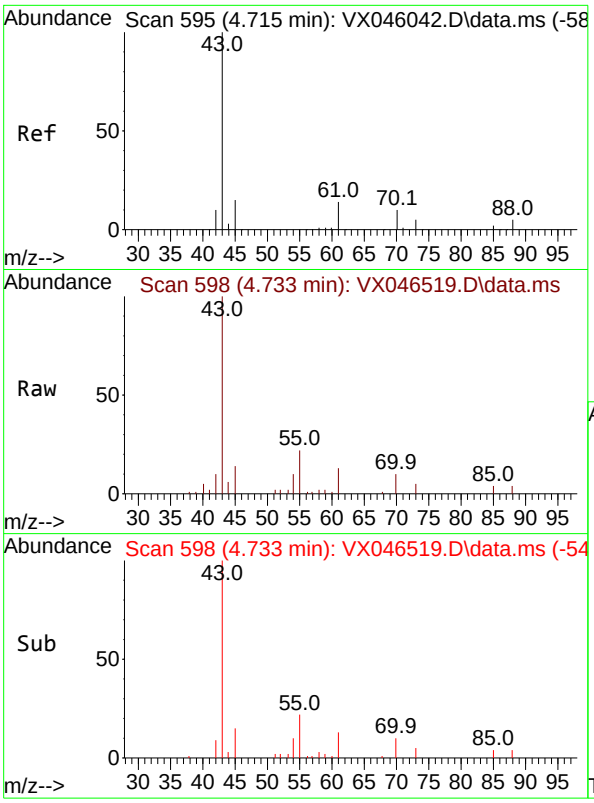


#36
1,1-Dichloropropene
Concen: 19.262 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 75 Resp: 31397

Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.3	48.9
77	31.0	24.3	36.5

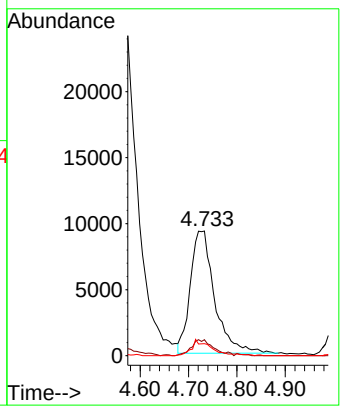




#37
Ethyl Acetate
Concen: 20.357 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 3237

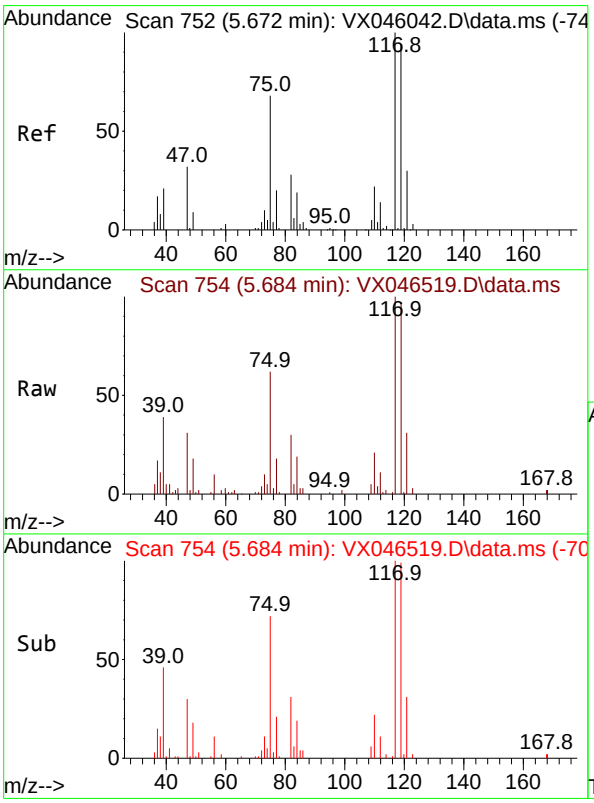
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.3	15.5
70	10.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

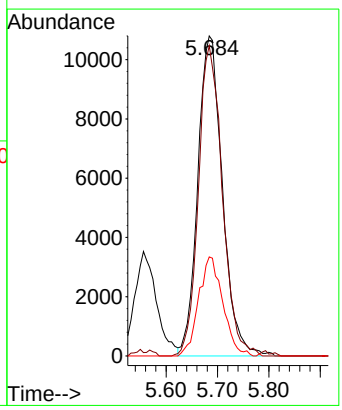
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

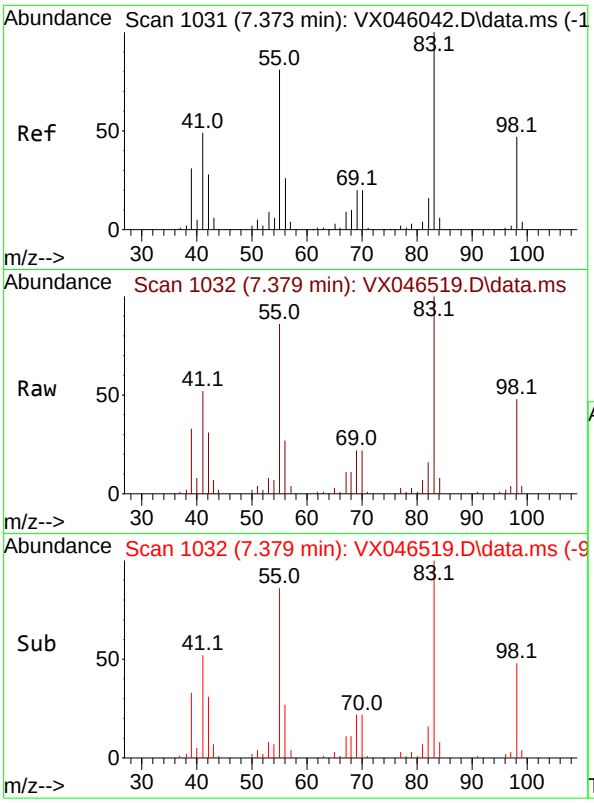


#38
Carbon Tetrachloride
Concen: 19.695 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:117 Resp: 35956

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.2	112.8
121	31.0	24.2	36.4

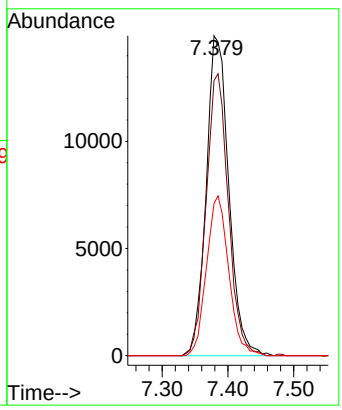




#39
Methylcyclohexane
Concen: 18.571 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 83 Resp: 3572

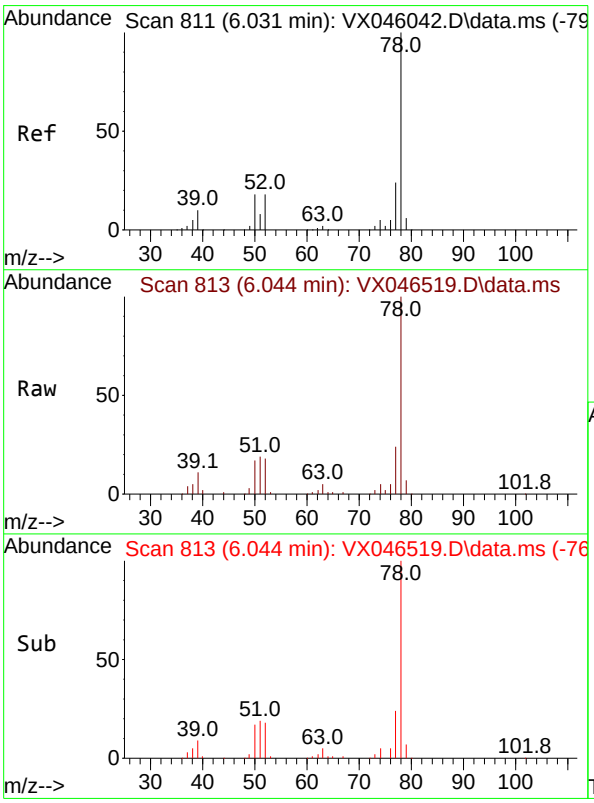
Ion	Ratio	Lower	Upper
83	100		
55	86.0	64.7	97.1
98	47.6	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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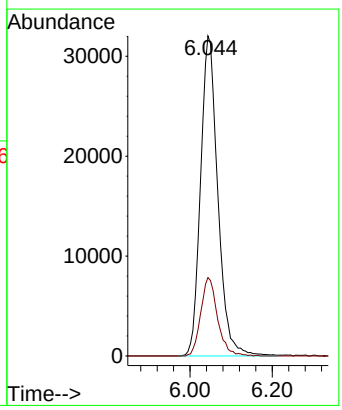
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

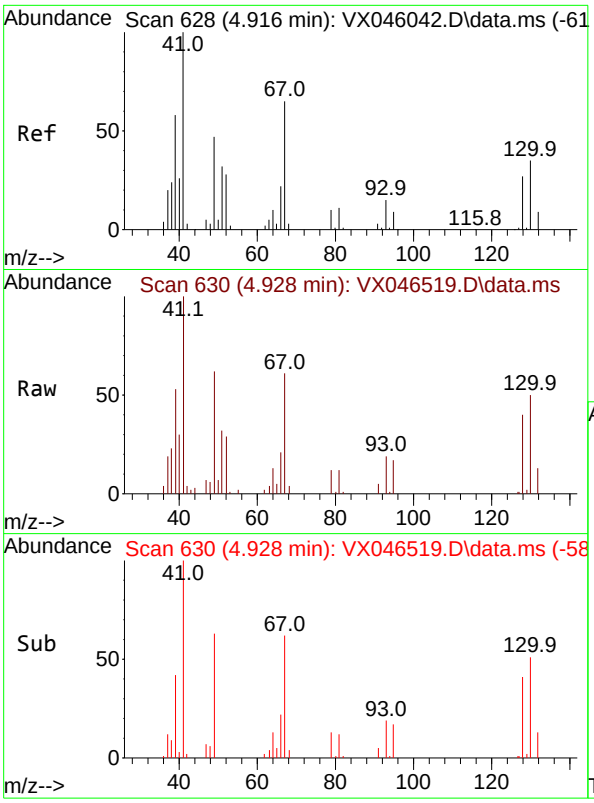


#40
Benzene
Concen: 20.336 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 78 Resp: 93317

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4

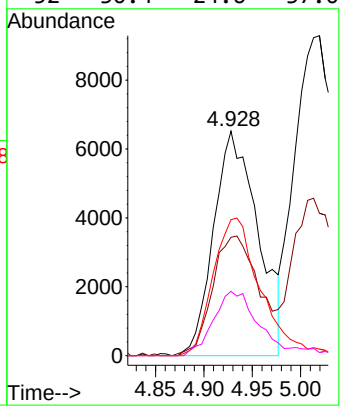




#41
Methacrylonitrile
Concen: 21.027 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 41 Resp: 2077

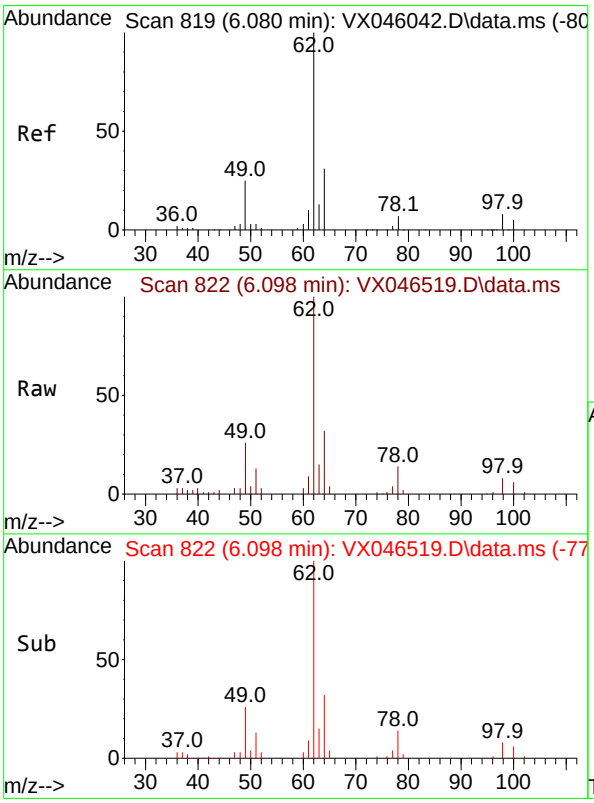
Ion	Ratio	Lower	Upper
41	100		
39	54.6	47.2	70.8
67	65.5	50.7	76.1
52	30.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

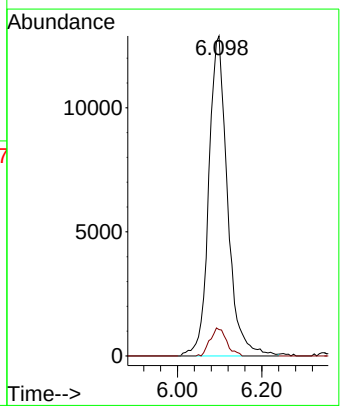
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

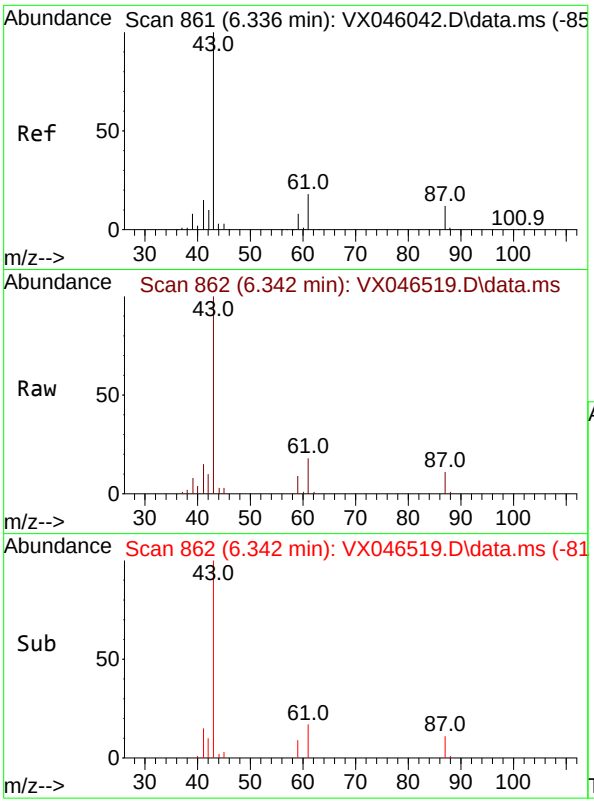


#42
1,2-Dichloroethane
Concen: 20.832 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 62 Resp: 39768

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 19.851 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

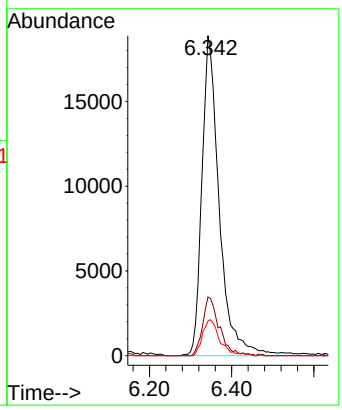
Tgt Ion: 43 Resp: 5505

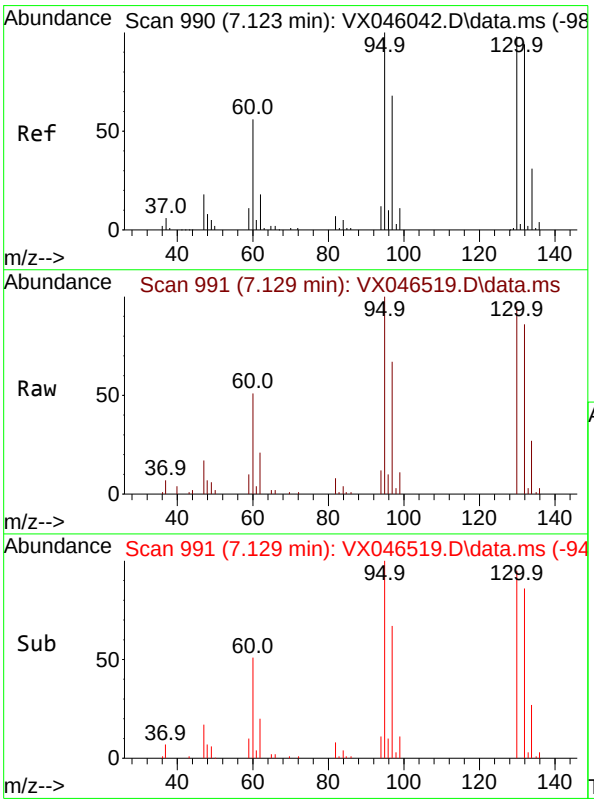
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.3	21.5
87	11.2	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

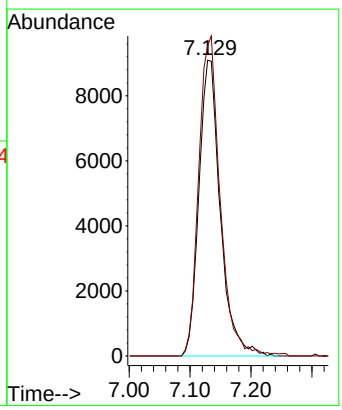


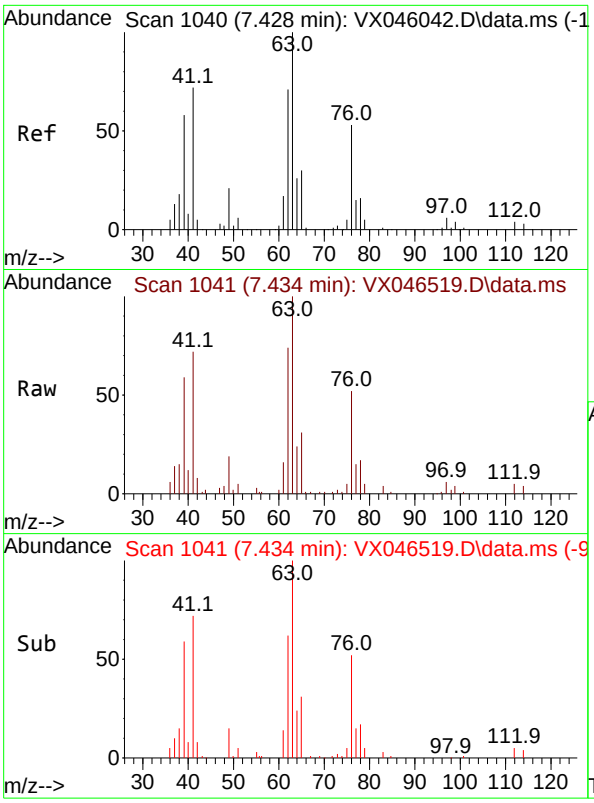


#44
Trichloroethene
Concen: 18.950 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:130 Resp: 22094

Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	204.2

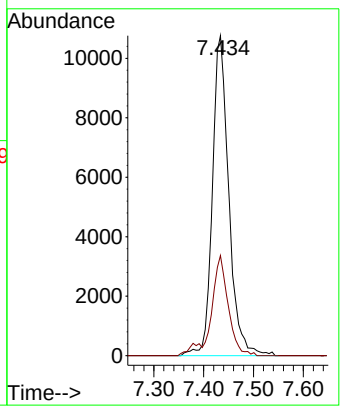




#45
1,2-Dichloropropane
Concen: 20.760 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 63 Resp: 2458

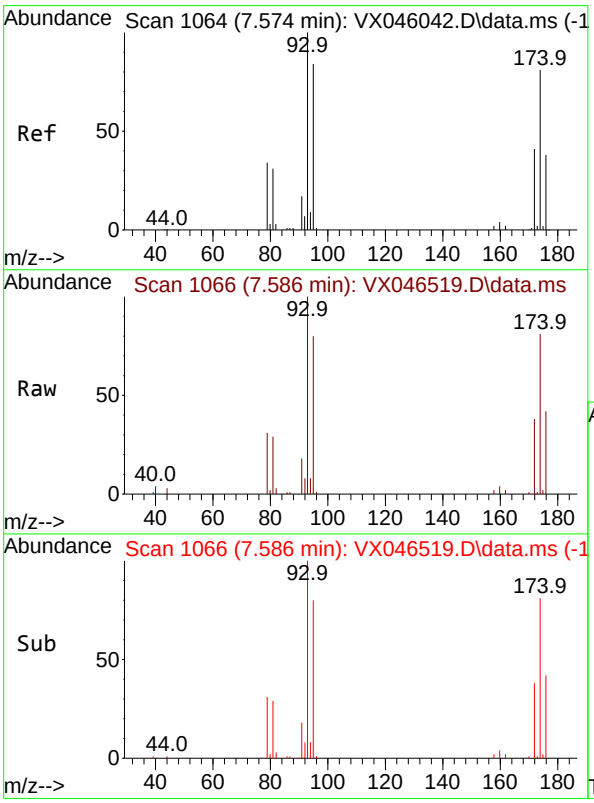
Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

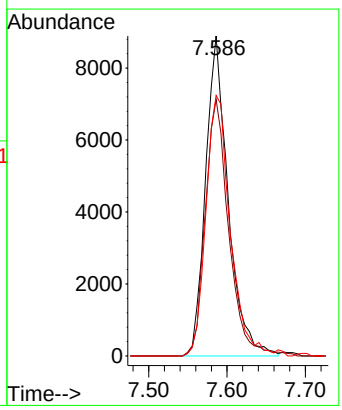
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

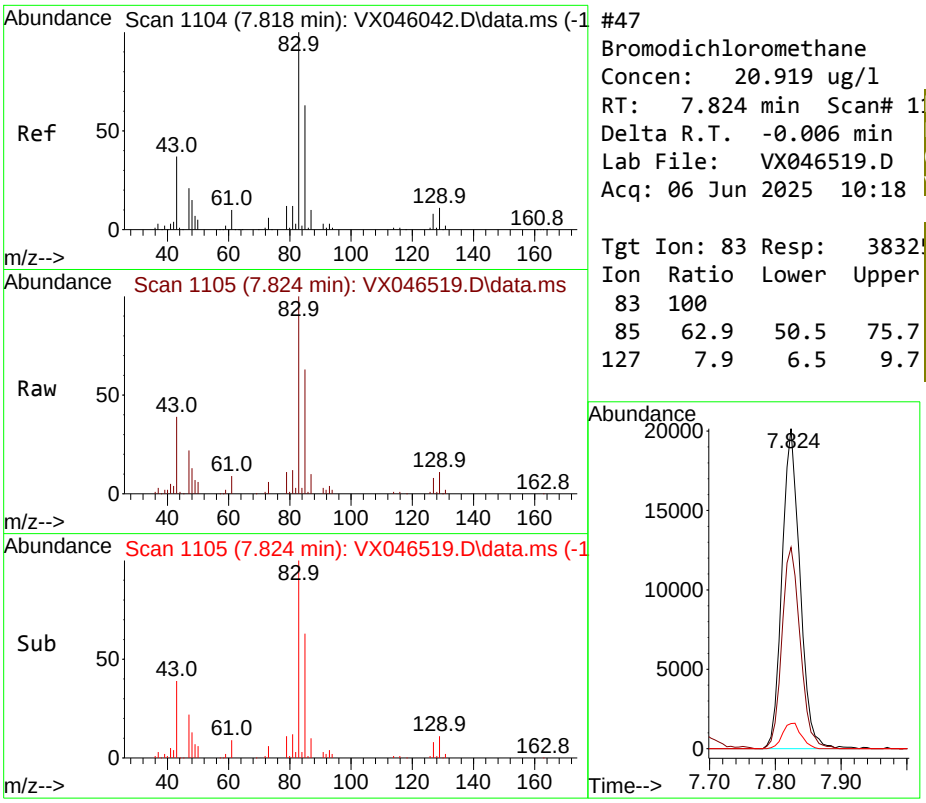


#46
Dibromomethane
Concen: 19.924 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 93 Resp: 17753

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.6	98.4
174	88.4	68.2	102.2





#47
Bromodichloromethane
Concen: 20.919 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

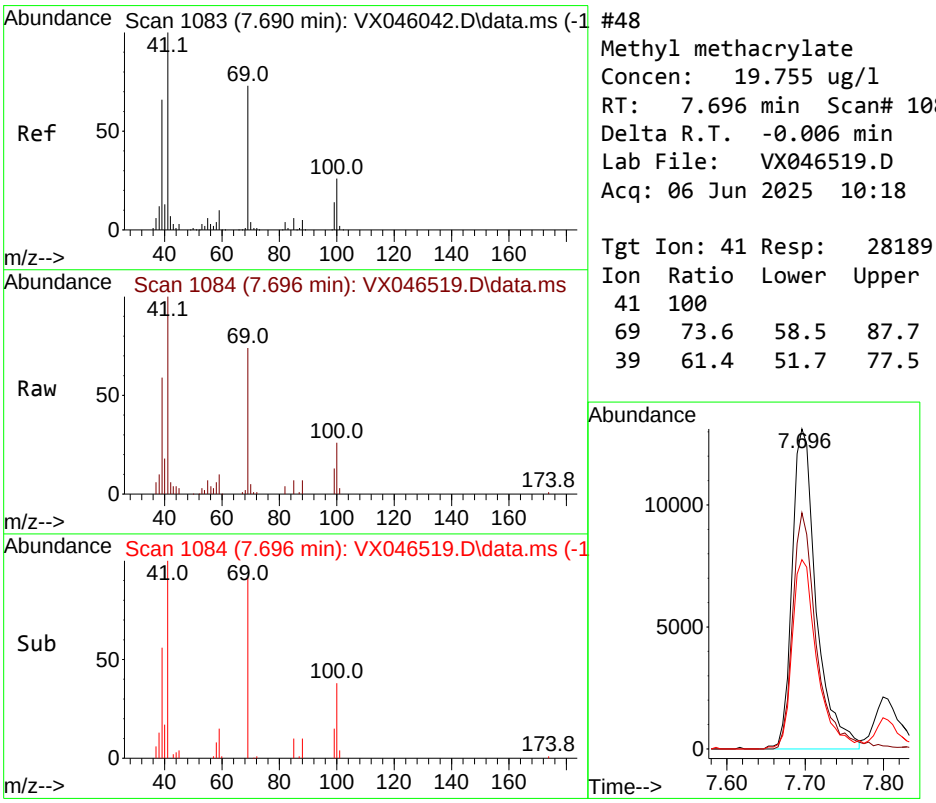
Tgt Ion: 83 Resp: 3832

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.5	75.7
127	7.9	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

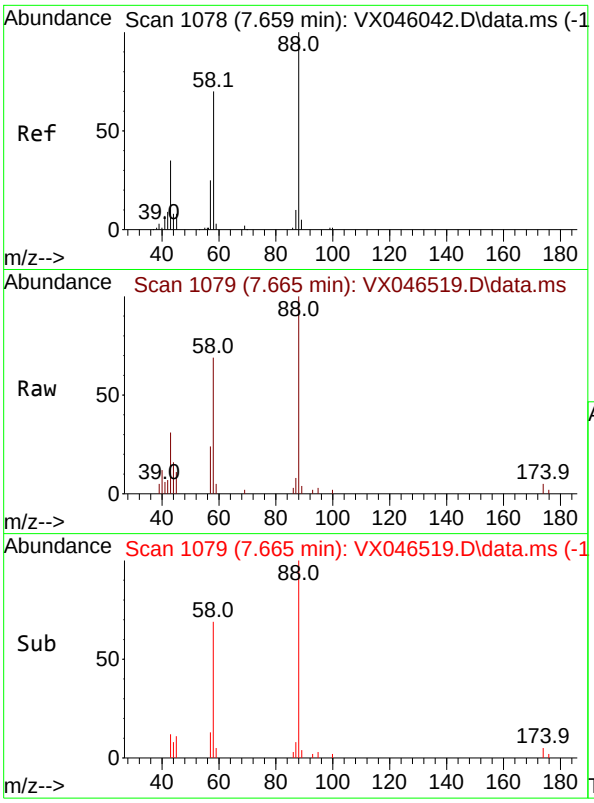
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#48
Methyl methacrylate
Concen: 19.755 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 41 Resp: 28189

Ion	Ratio	Lower	Upper
41	100		
69	73.6	58.5	87.7
39	61.4	51.7	77.5



#49
1,4-Dioxane
Concen: 425.896 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

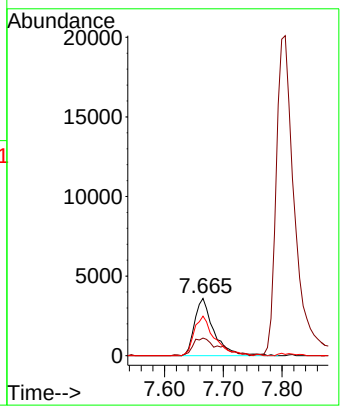
Tgt Ion: 88 Resp: 812

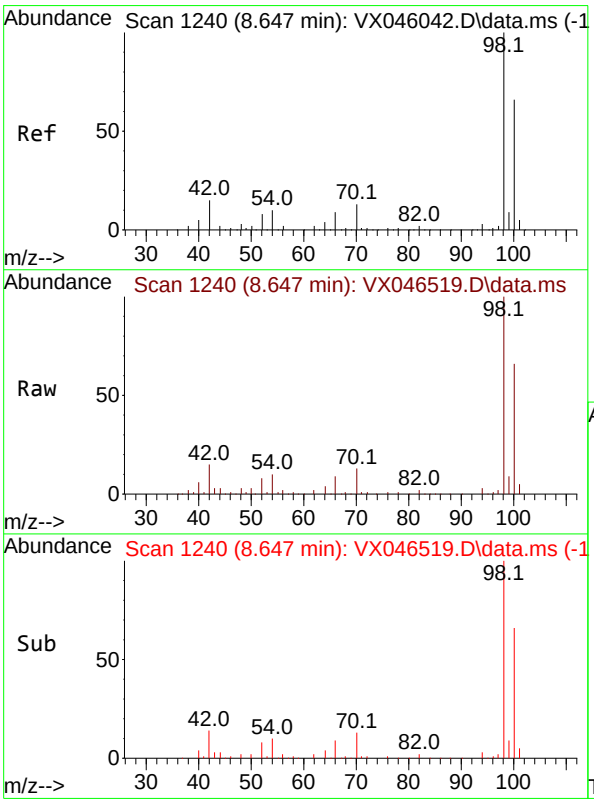
Ion	Ratio	Lower	Upper
88	100		
43	42.6	33.4	50.2
58	73.5	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

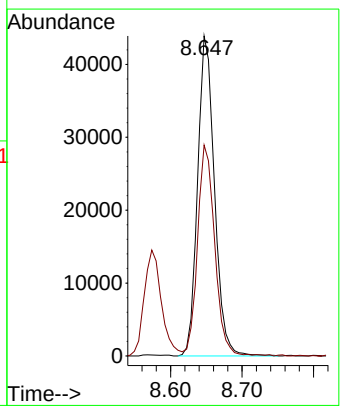


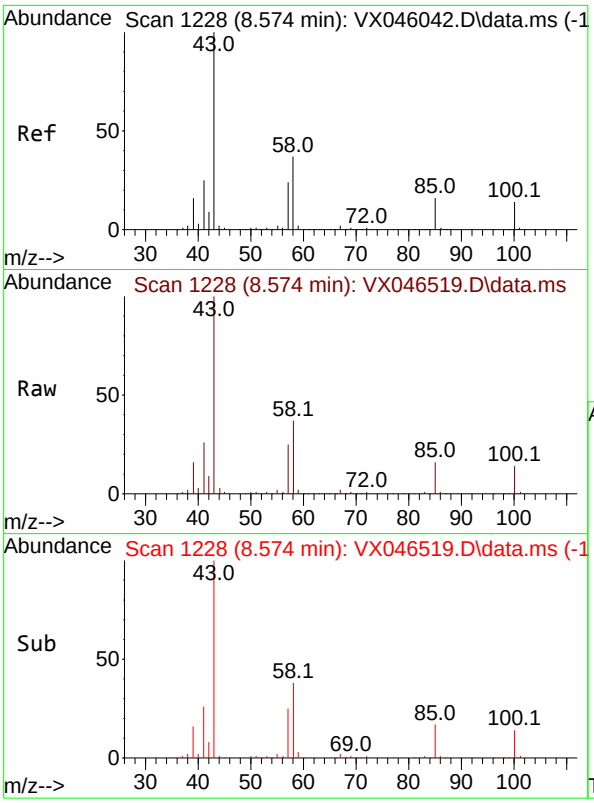


#50
Toluene-d8
Concen: 19.116 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 98 Resp: 71915

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.5	80.3

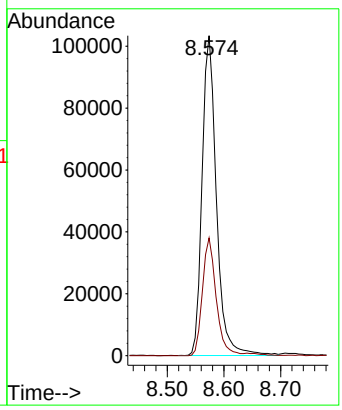




#51
4-Methyl-2-Pentanone
Concen: 102.687 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 18097

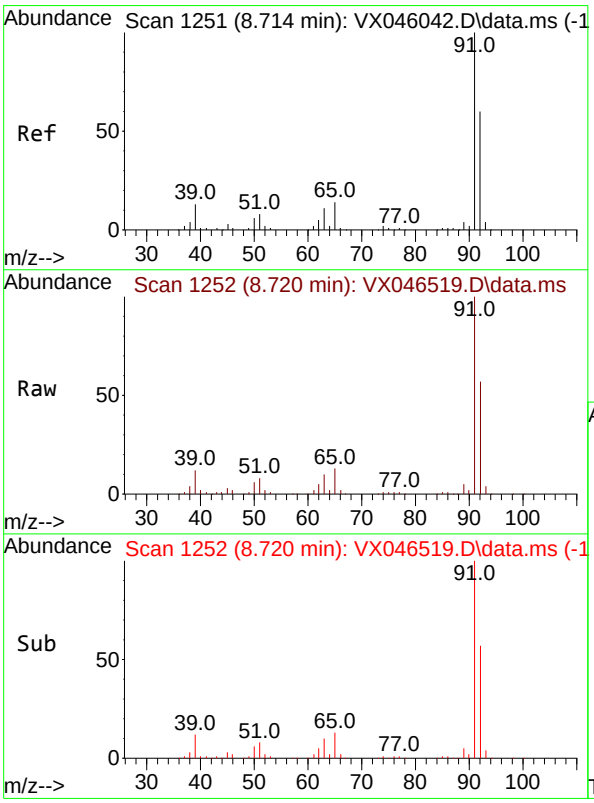
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

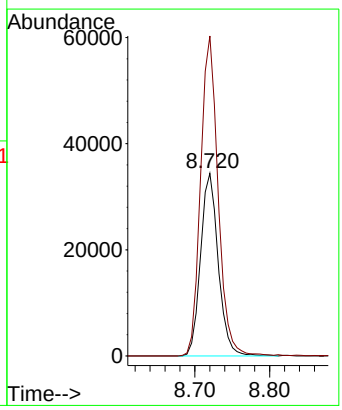
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

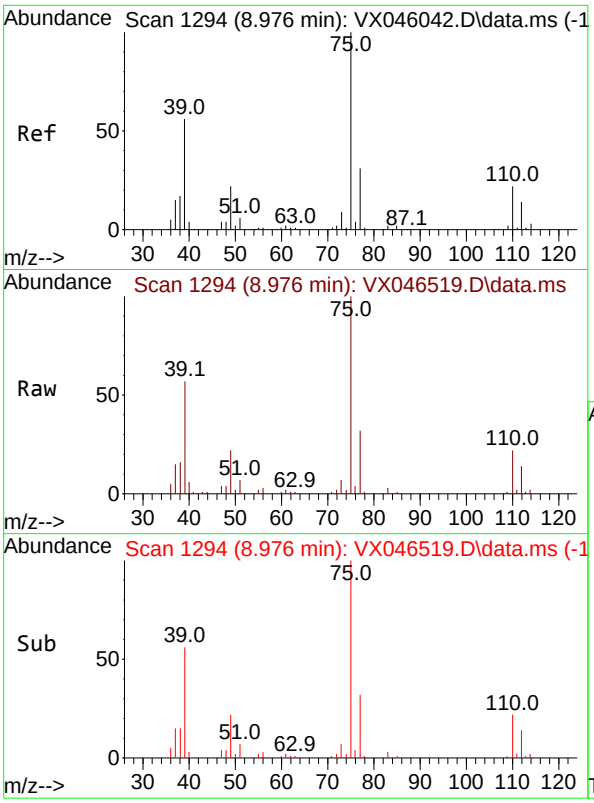


#52
Toluene
Concen: 20.055 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 92 Resp: 56537

Ion	Ratio	Lower	Upper
92	100		
91	173.4	136.6	205.0

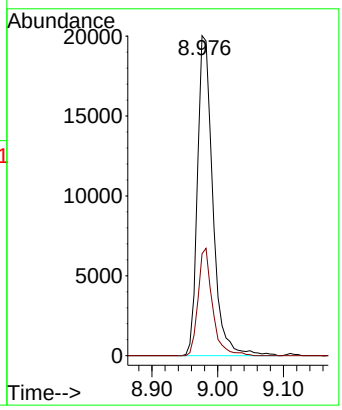




#53
t-1,3-Dichloropropene
Concen: 19.817 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 75 Resp: 3255

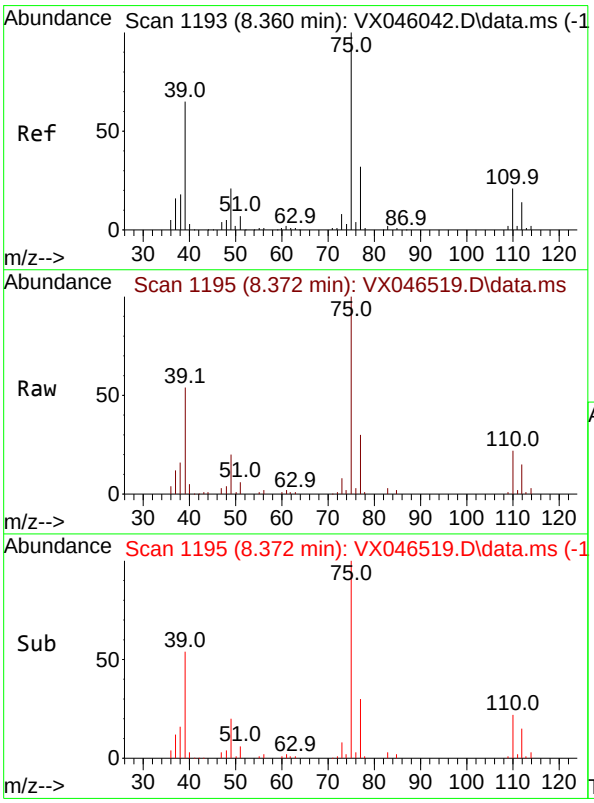
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

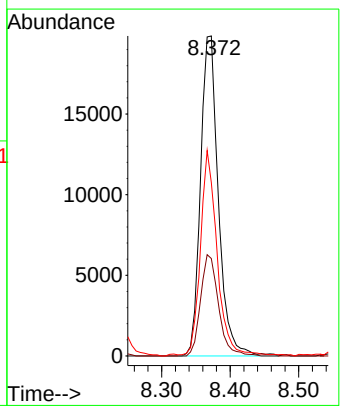
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

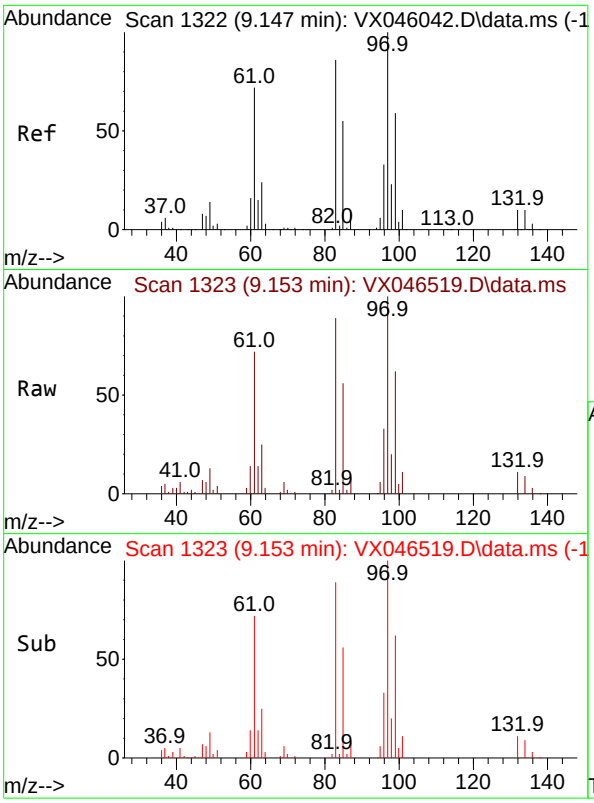


#54
cis-1,3-Dichloropropene
Concen: 19.716 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 75 Resp: 36009

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.0
39	53.8	52.2	78.4

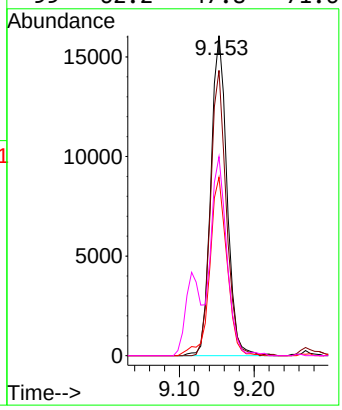




#55
1,1,2-Trichloroethane
Concen: 21.322 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 97 Resp: 2413

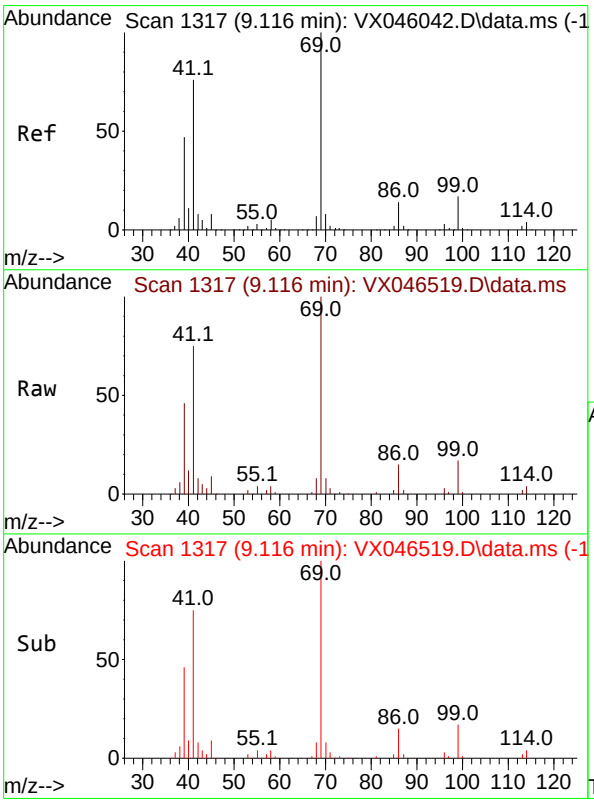
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.0	103.6
85	55.8	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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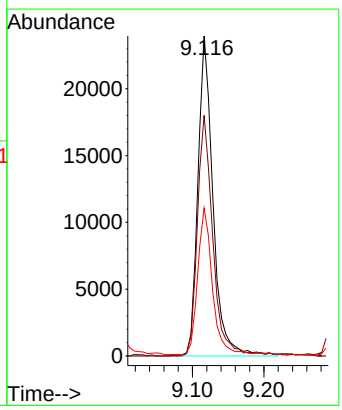
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

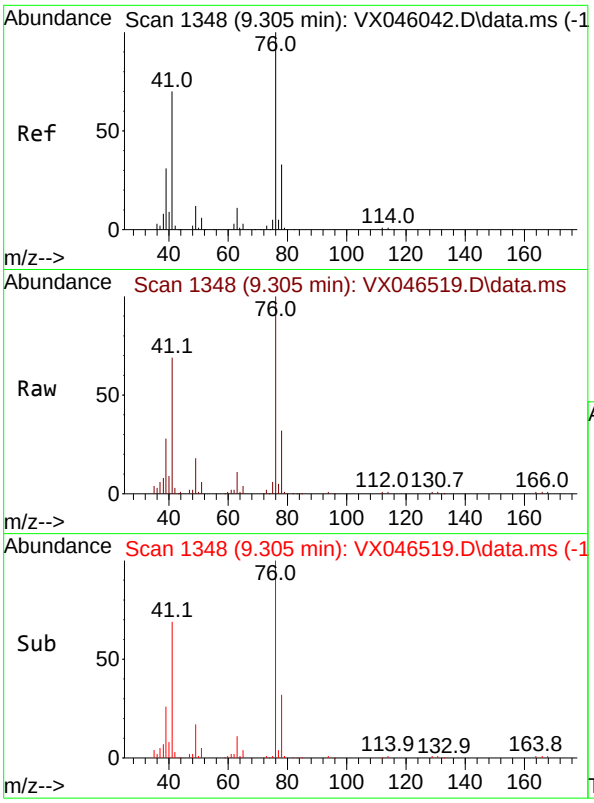


#56
Ethyl methacrylate
Concen: 20.176 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 69 Resp: 35137

Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.8	91.2
39	44.2	39.0	58.6

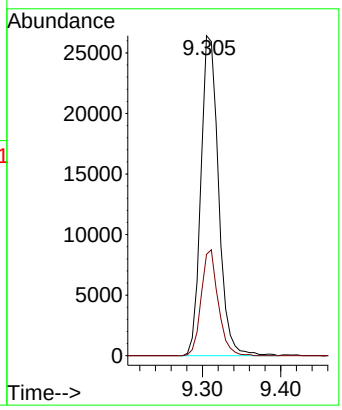




#57
1,3-Dichloropropane
Concen: 20.653 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 76 Resp: 4130

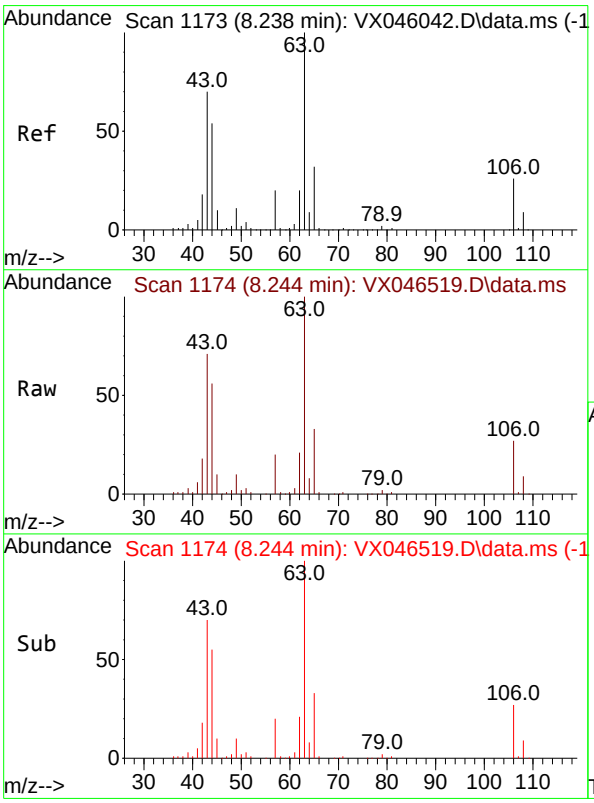
Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

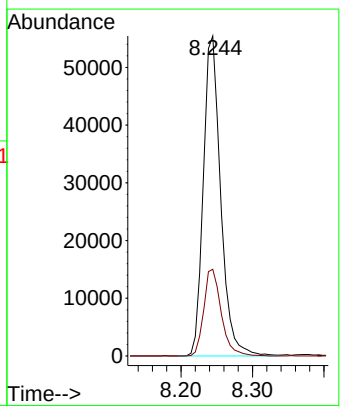
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

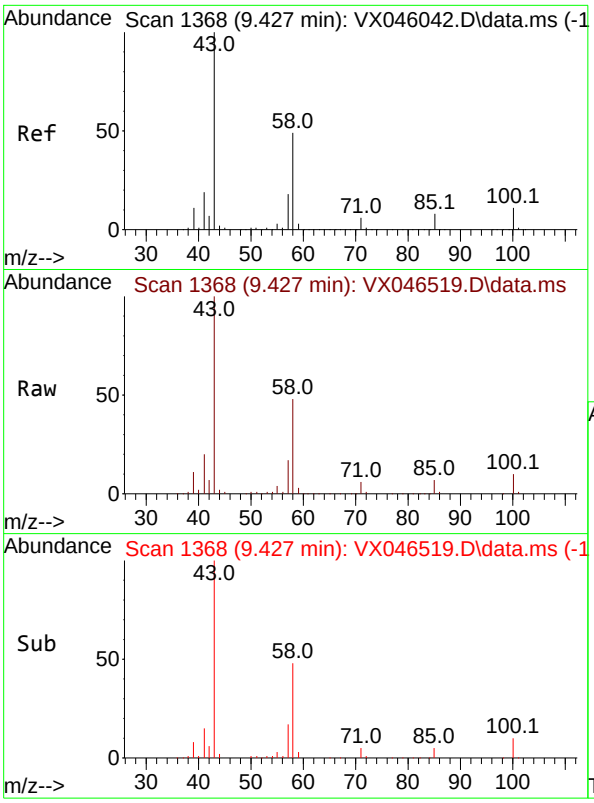


#58
2-Chloroethyl Vinyl ether
Concen: 98.650 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 63 Resp: 93580

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3

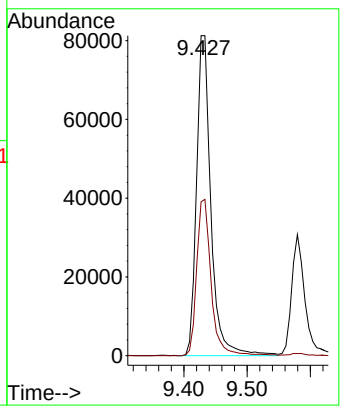




#59
2-Hexanone
Concen: 102.032 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 12896

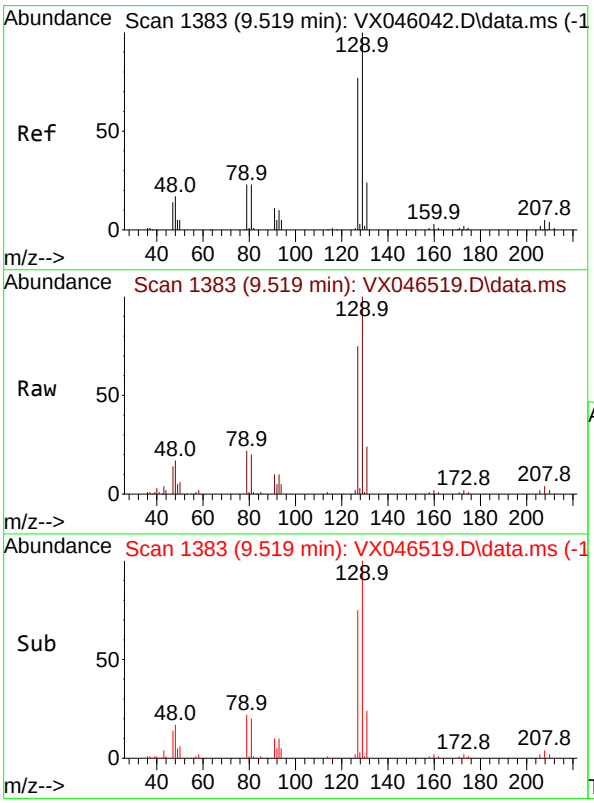
Ion	Ratio	Lower	Upper
43	100		
58	49.1	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

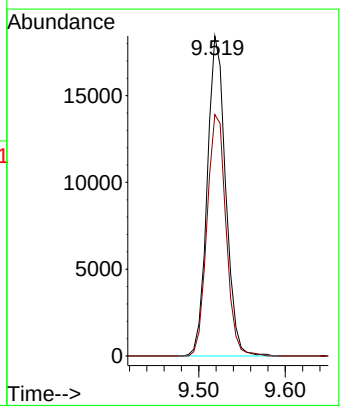
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

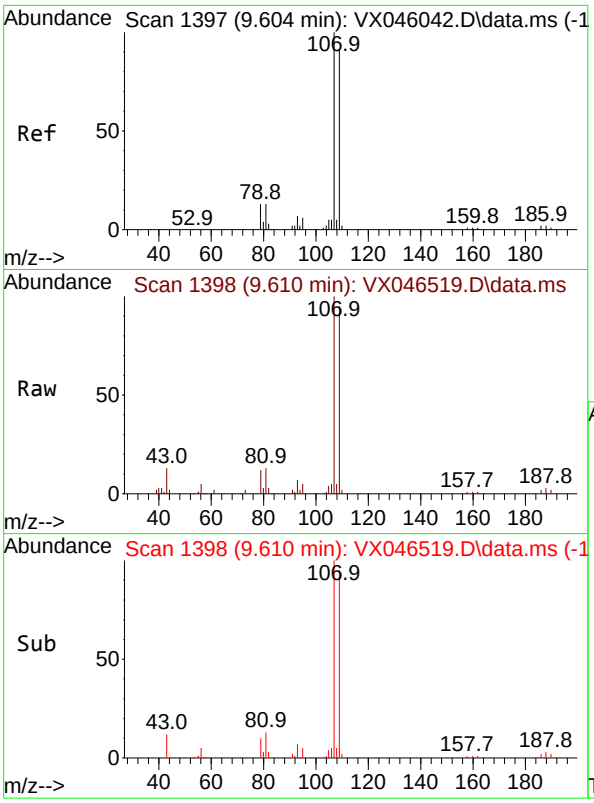


#60
Dibromochloromethane
Concen: 20.414 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:129 Resp: 27175

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.3	117.8

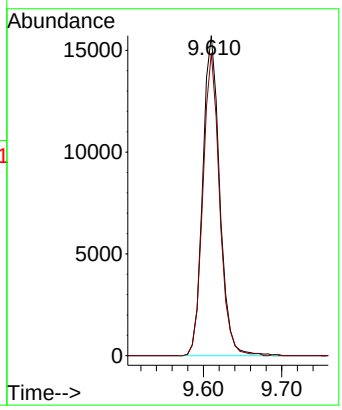




#61
1,2-Dibromoethane
Concen: 19.996 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:107 Resp: 2358

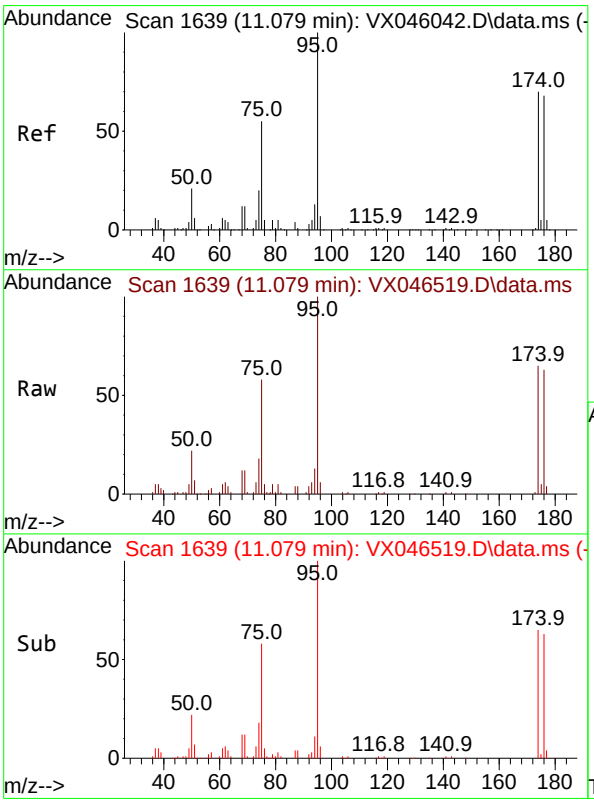
Ion	Ratio	Lower	Upper
107	100		
109	92.7	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

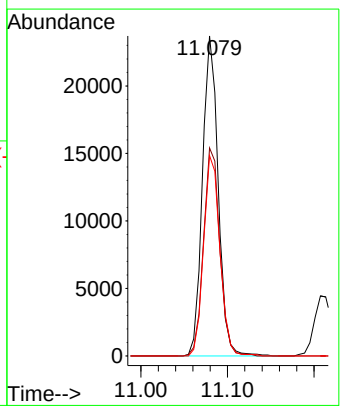
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

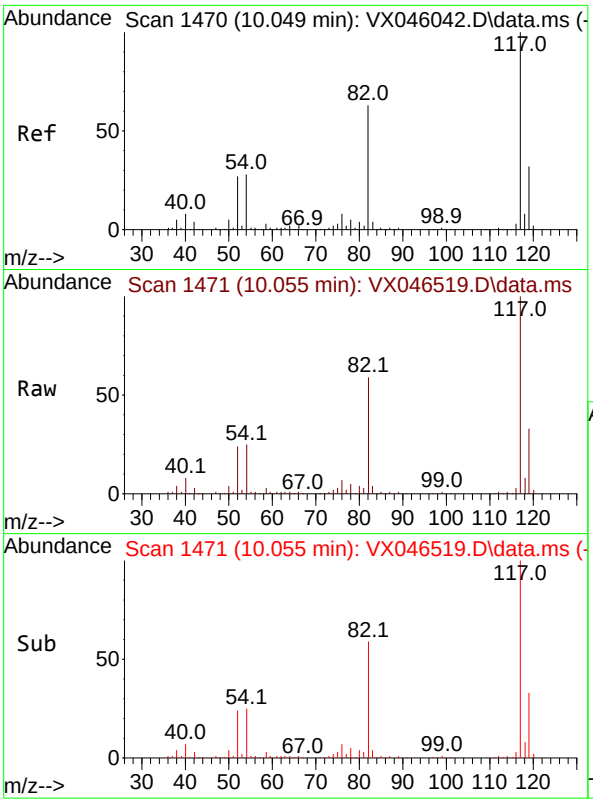


#62
4-Bromofluorobenzene
Concen: 19.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 95 Resp: 29923

Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	135.8
176	65.0	0.0	131.4

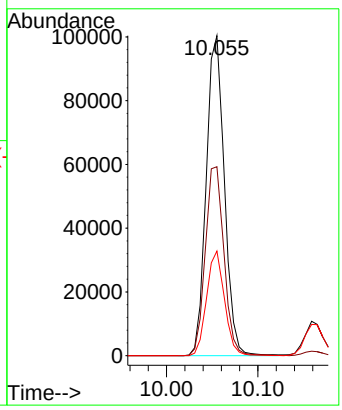




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:117 Resp: 13817

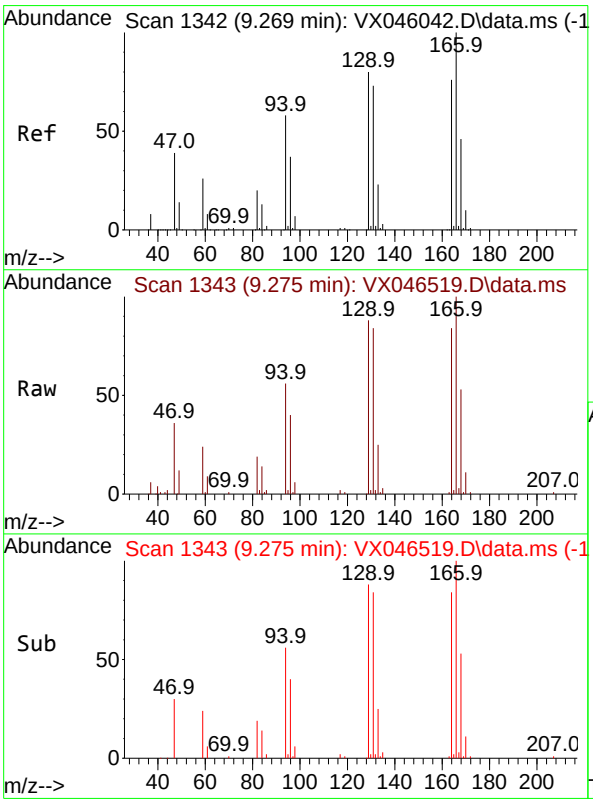
Ion	Ratio	Lower	Upper
117	100		
82	59.0	50.6	76.0
119	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

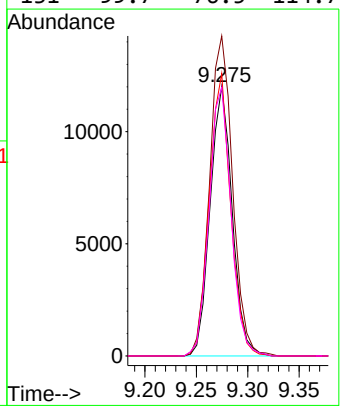
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

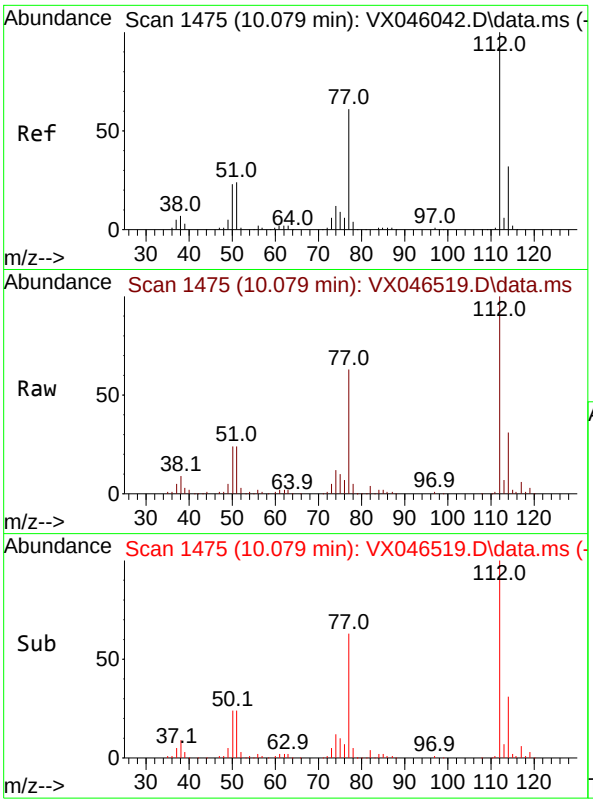


#64
Tetrachloroethene
Concen: 19.362 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:164 Resp: 17890

Ion	Ratio	Lower	Upper
164	100		
166	118.7	105.0	157.6
129	104.8	83.5	125.3
131	99.7	76.5	114.7

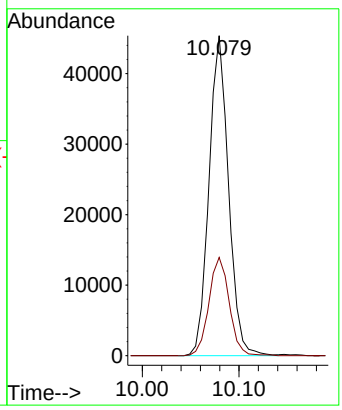




#65
Chlorobenzene
Concen: 19.600 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:112 Resp: 6369

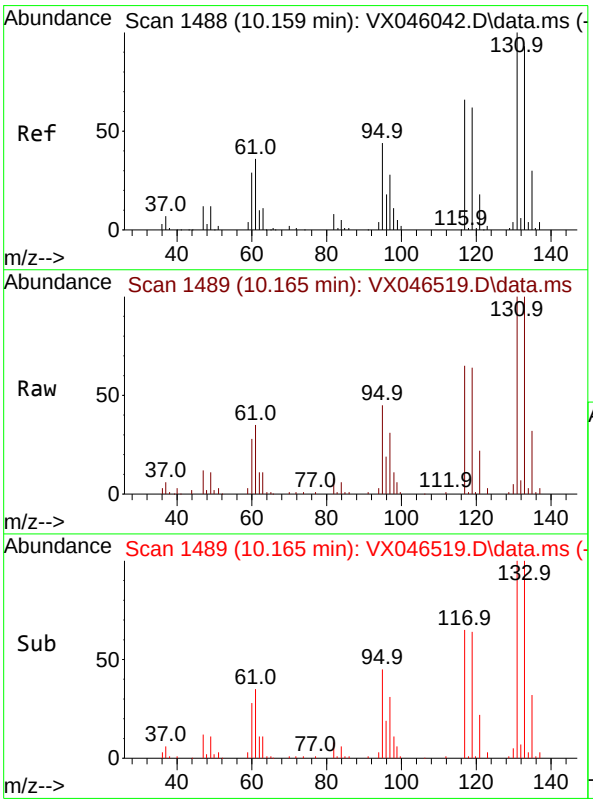
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

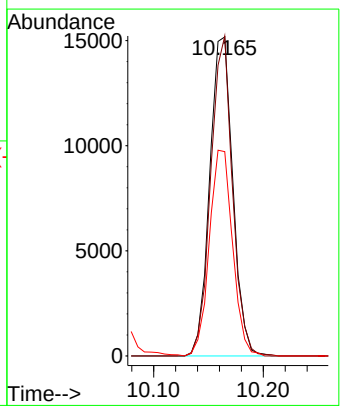
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

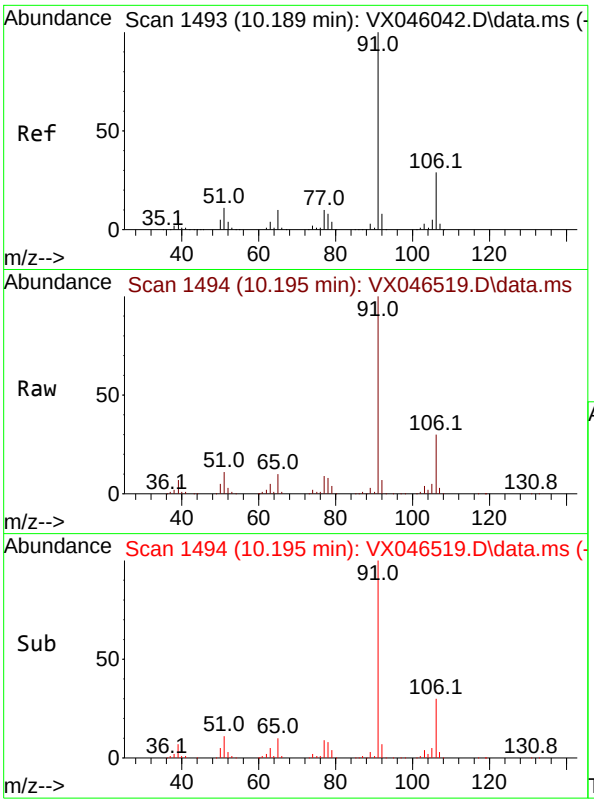


#66
1,1,1,2-Tetrachloroethane
Concen: 20.205 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:131 Resp: 22188

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	141.9
119	64.9	31.6	95.0

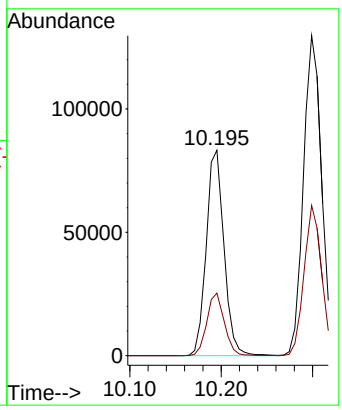




#67
Ethyl Benzene
Concen: 19.765 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 91 Resp: 11212

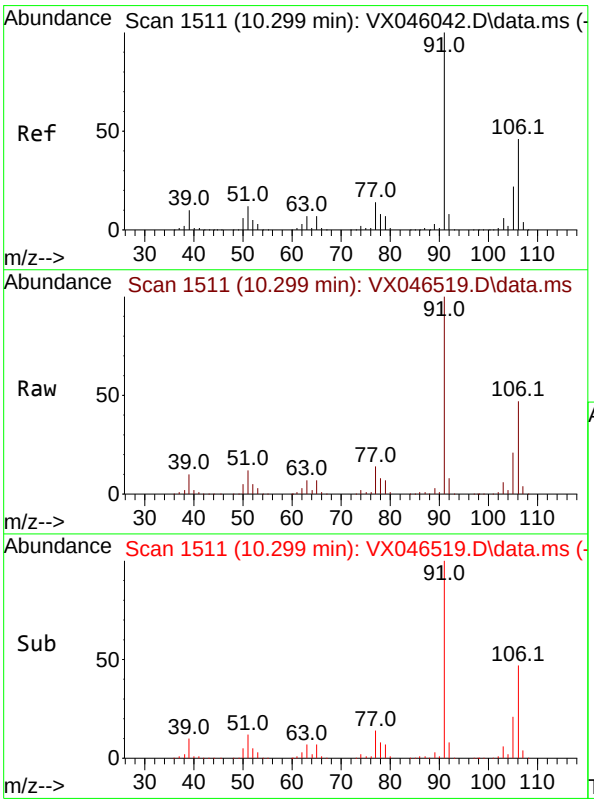
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

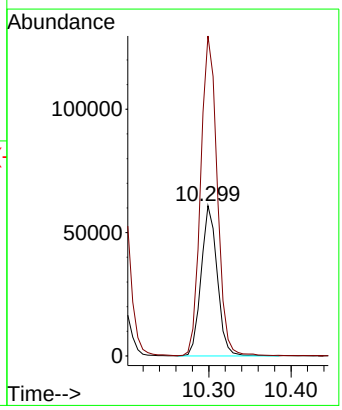
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

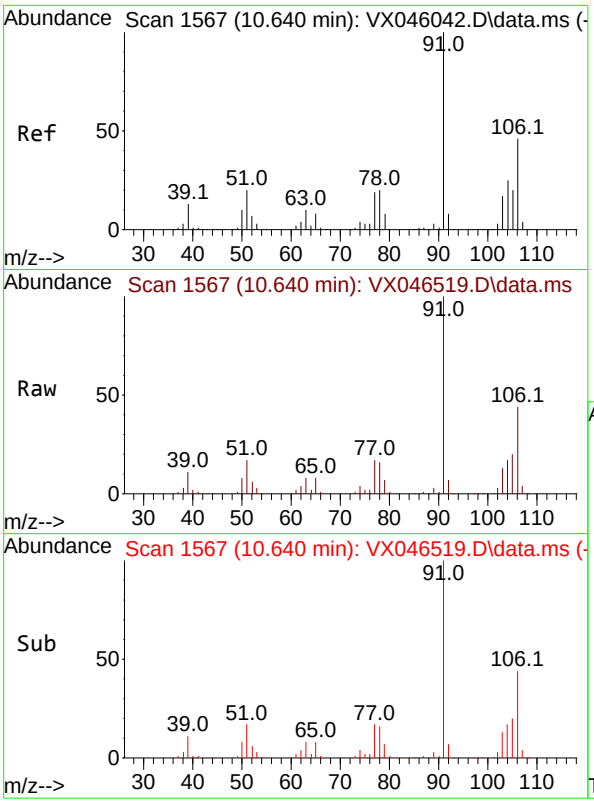


#68
m/p-Xylenes
Concen: 40.272 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:106 Resp: 82876

Ion	Ratio	Lower	Upper
106	100		
91	218.4	171.2	256.8

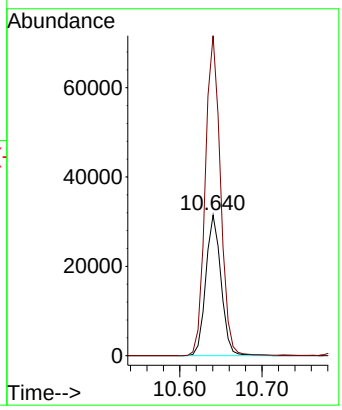




#69
o-Xylene
Concen: 20.304 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:106 Resp: 4041

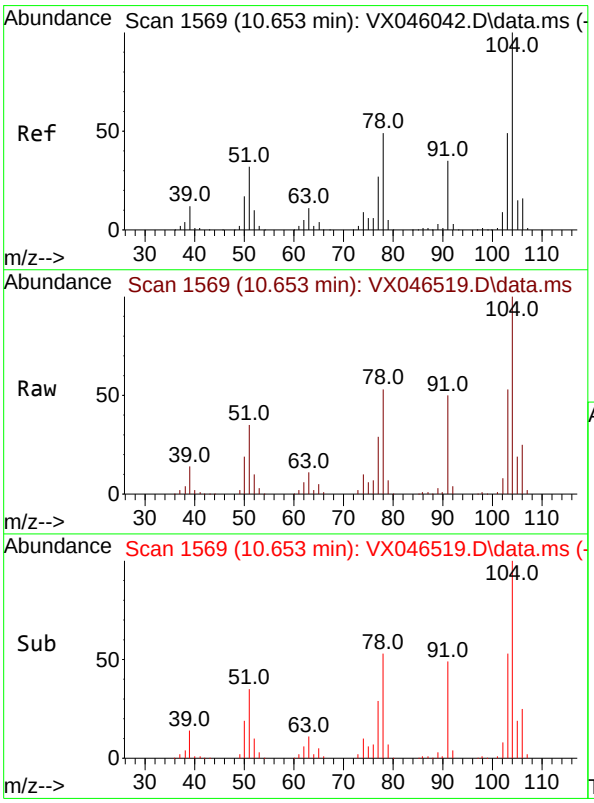
Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

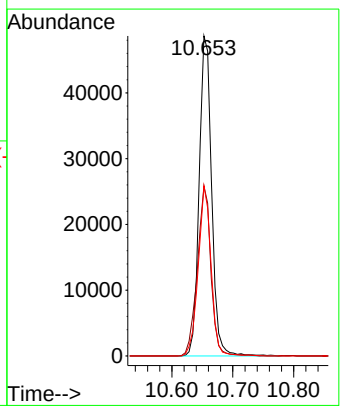
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

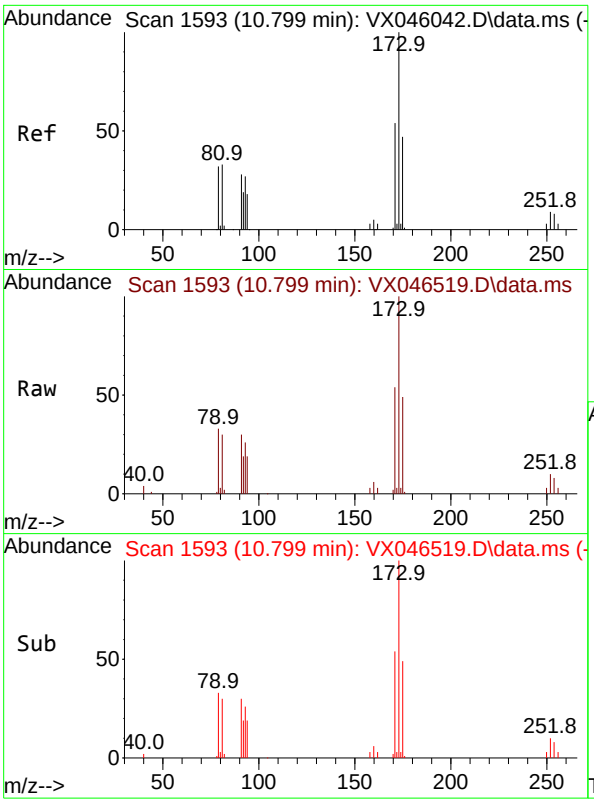


#70
Styrene
Concen: 20.388 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:104 Resp: 69469

Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.7	68.5
103	54.7	43.7	65.5

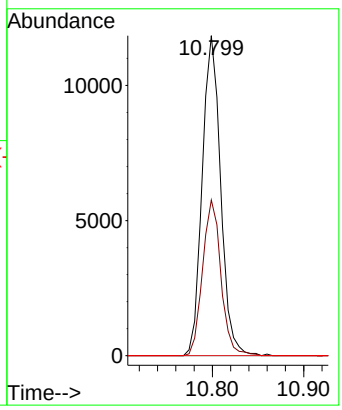




#71
Bromoform
Concen: 19.817 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:173 Resp: 1659

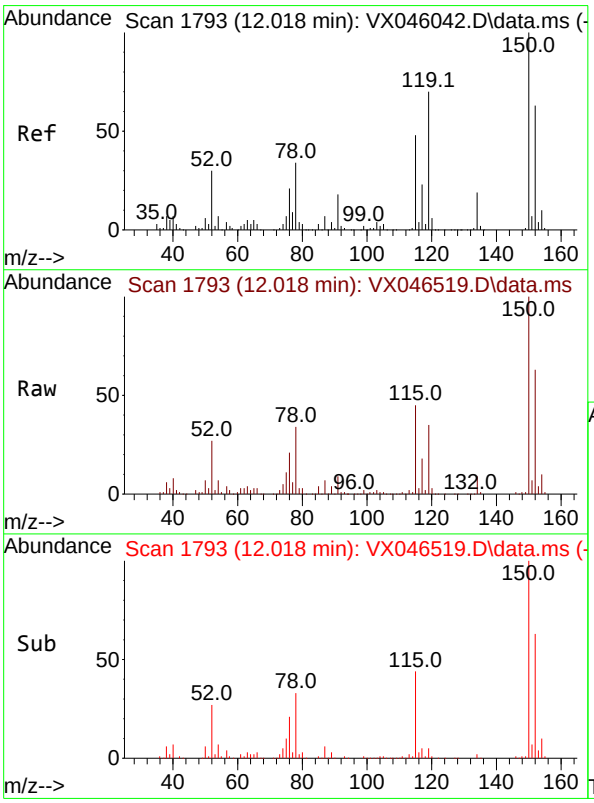
Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

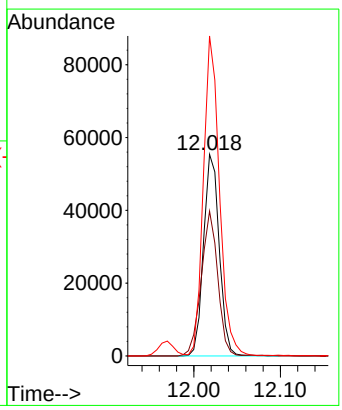
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

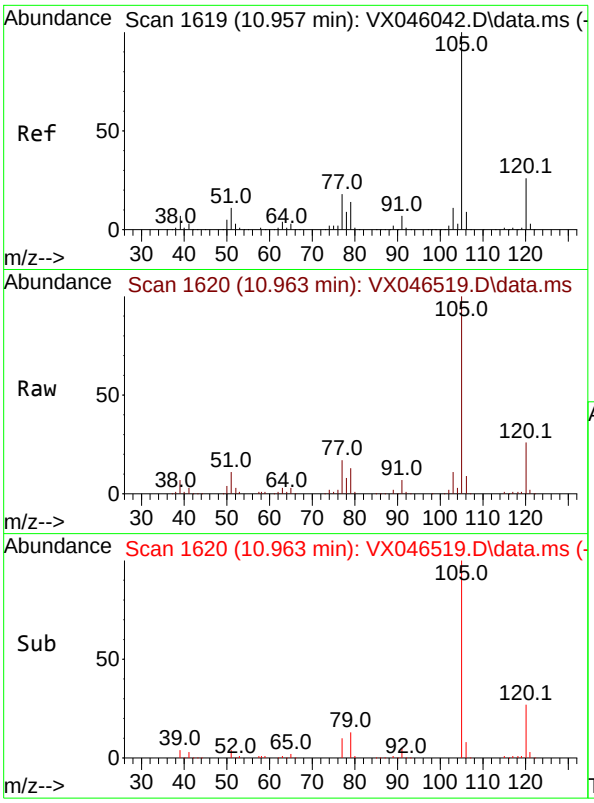


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:152 Resp: 69785

Ion	Ratio	Lower	Upper
152	100		
115	75.7	46.9	140.7
150	161.6	0.0	351.0

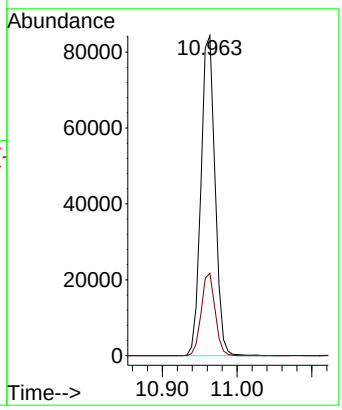




#73
Isopropylbenzene
Concen: 20.092 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:105 Resp: 11022

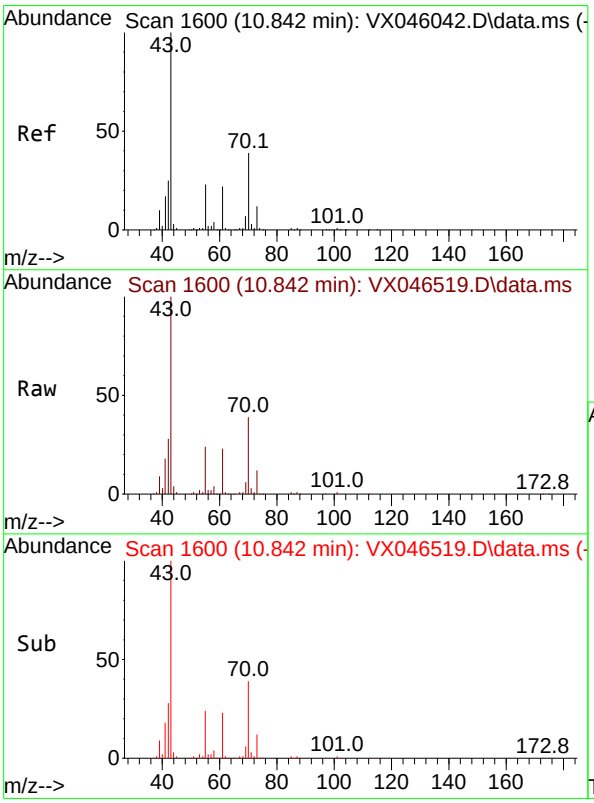
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

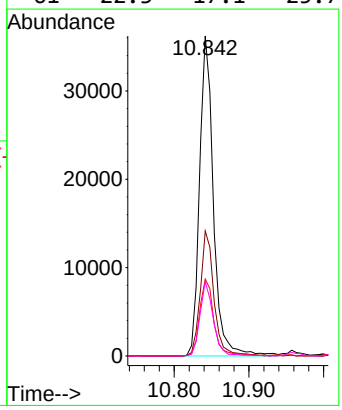
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

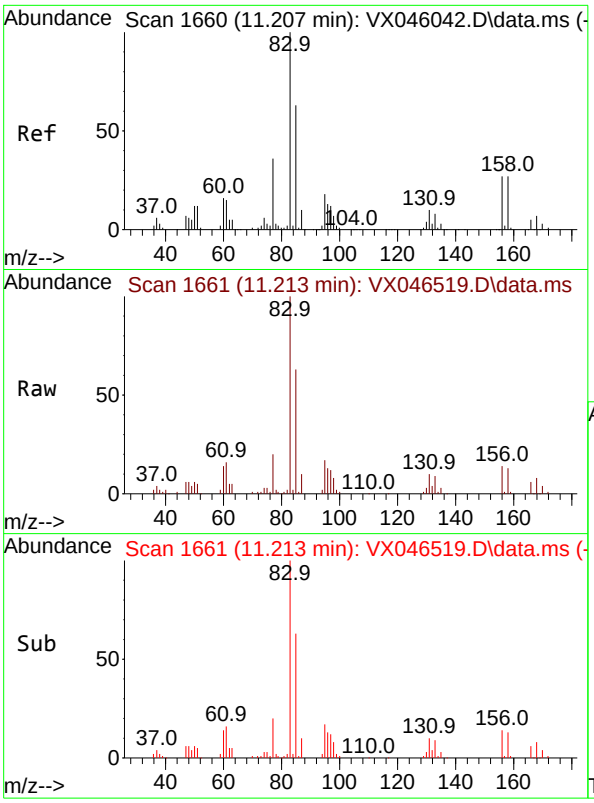


#74
N-amyl acetate
Concen: 19.334 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 43 Resp: 46707

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	24.7	18.7	28.1
61	22.3	17.1	25.7

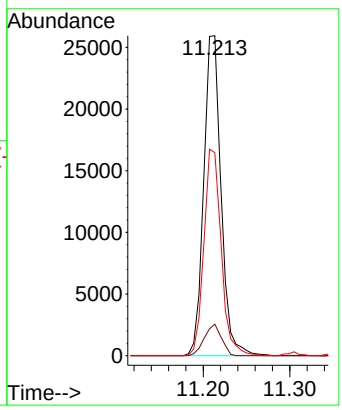




#75
1,1,2,2-Tetrachloroethane
Concen: 20.568 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 83 Resp: 3611

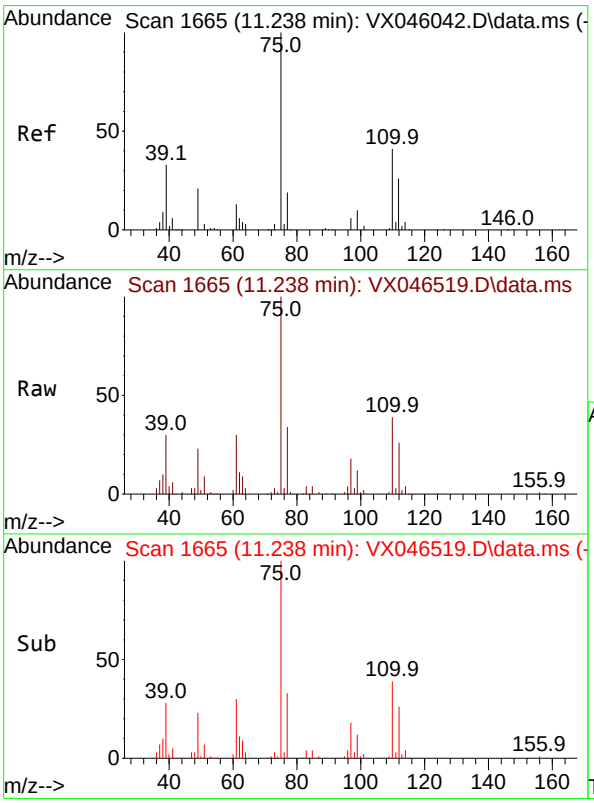
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

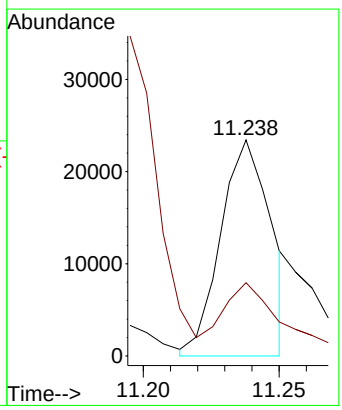
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

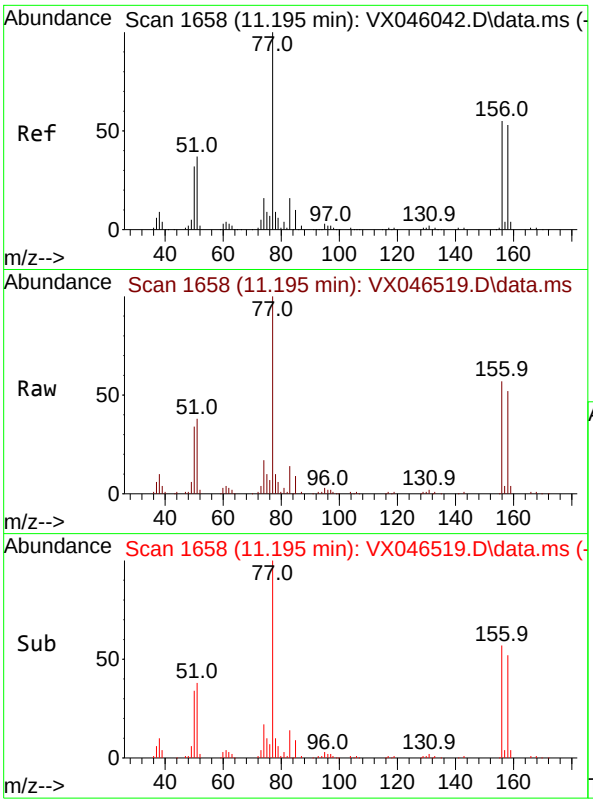


#76
1,2,3-Trichloropropane
Concen: 19.991 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 75 Resp: 30039

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.5	61.5

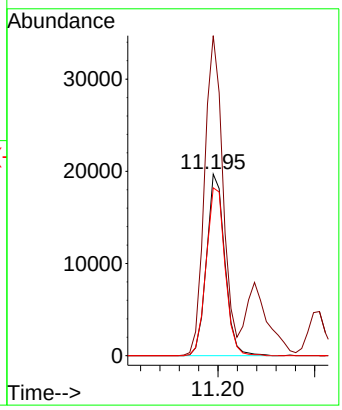




#77
Bromobenzene
Concen: 20.283 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:156 Resp: 2582

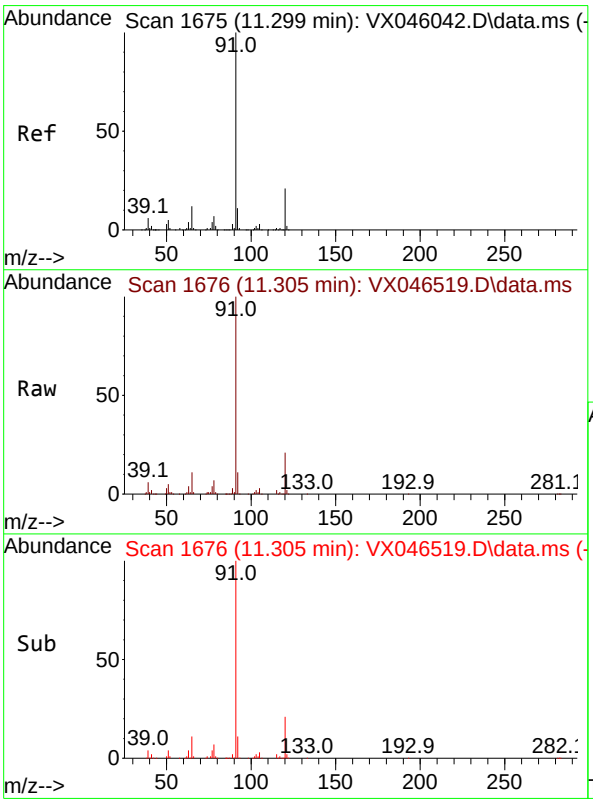
Ion	Ratio	Lower	Upper
156	100		
77	177.8	92.8	278.3
158	95.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

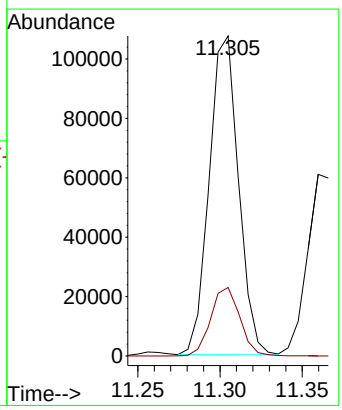
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

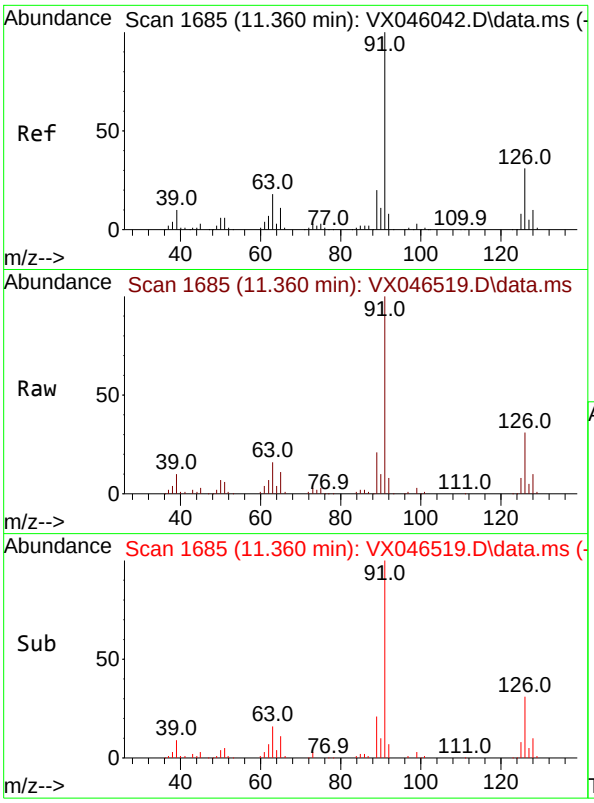


#78
n-propylbenzene
Concen: 20.075 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 91 Resp: 133297

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

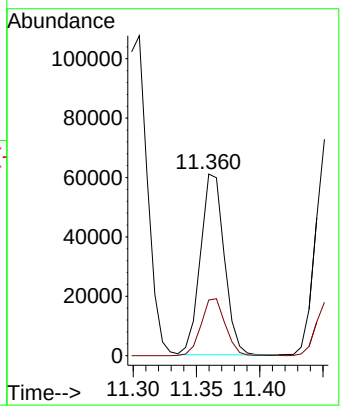




#79
2-Chlorotoluene
Concen: 20.005 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 91 Resp: 8010

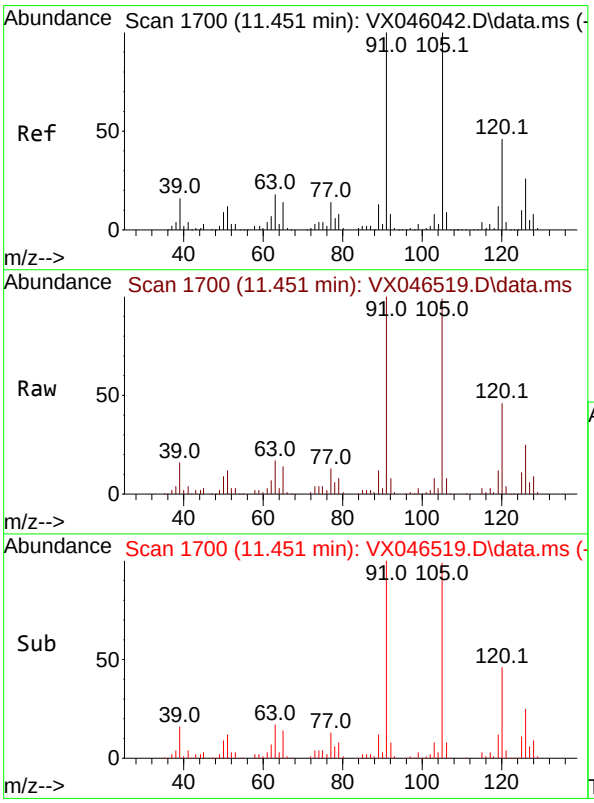
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

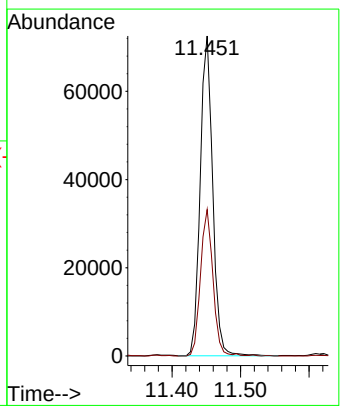
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

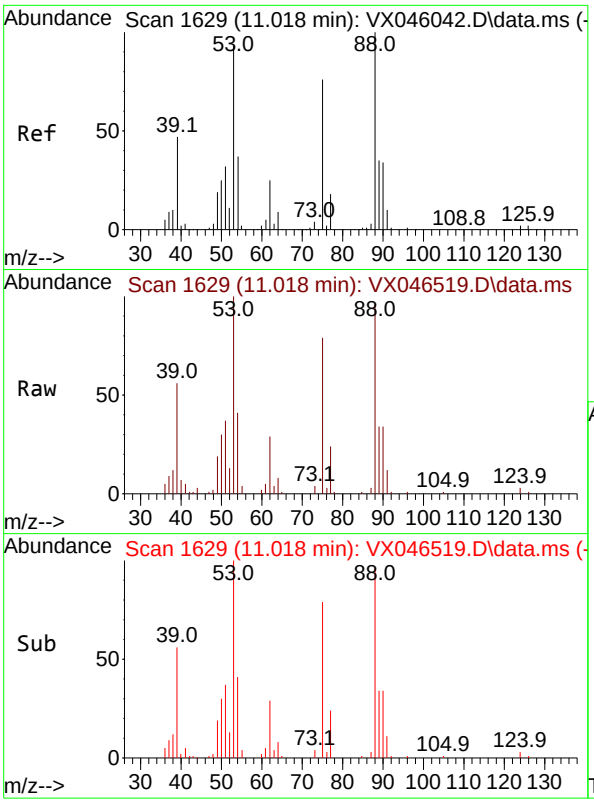


#80
1,3,5-Trimethylbenzene
Concen: 20.131 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:105 Resp: 92024

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.187 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

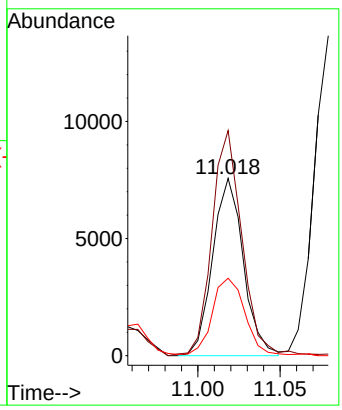
Tgt Ion: 75 Resp: 983

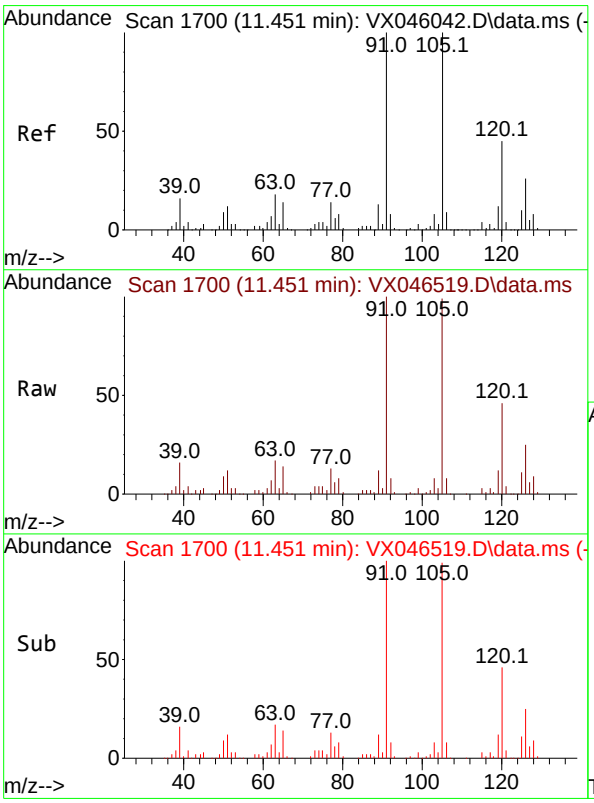
Ion	Ratio	Lower	Upper
75	100		
53	124.6	100.5	150.7
89	47.2	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

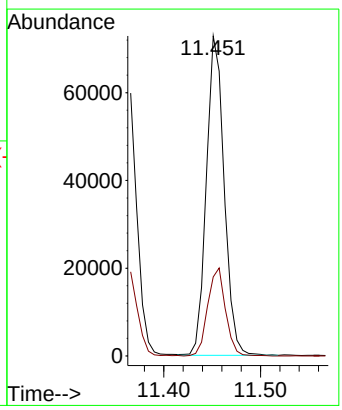


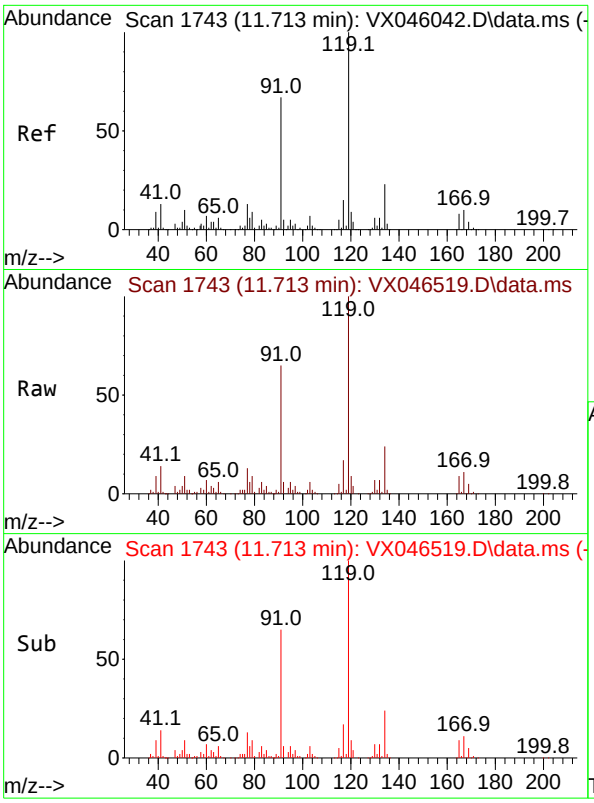


#82
4-Chlorotoluene
Concen: 19.655 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 91 Resp: 93283

Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.3	39.8

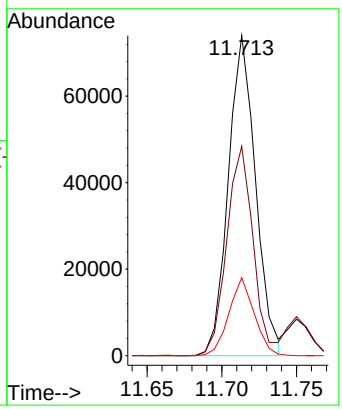




#83
tert-Butylbenzene
Concen: 20.178 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:119 Resp: 9389

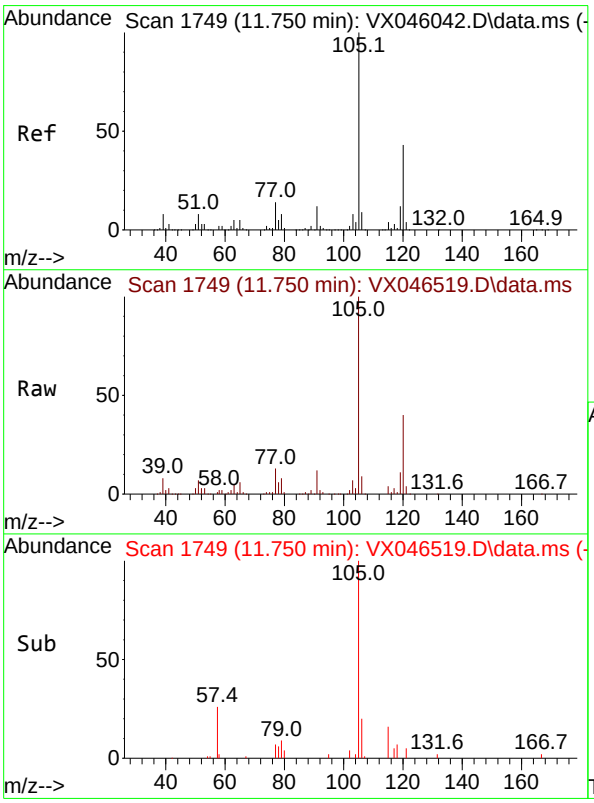
Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

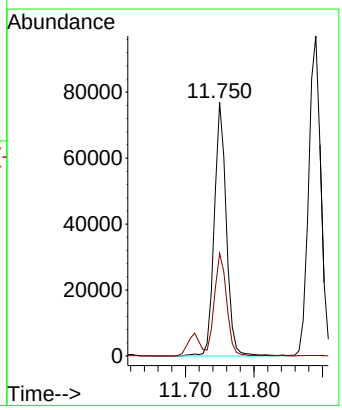
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

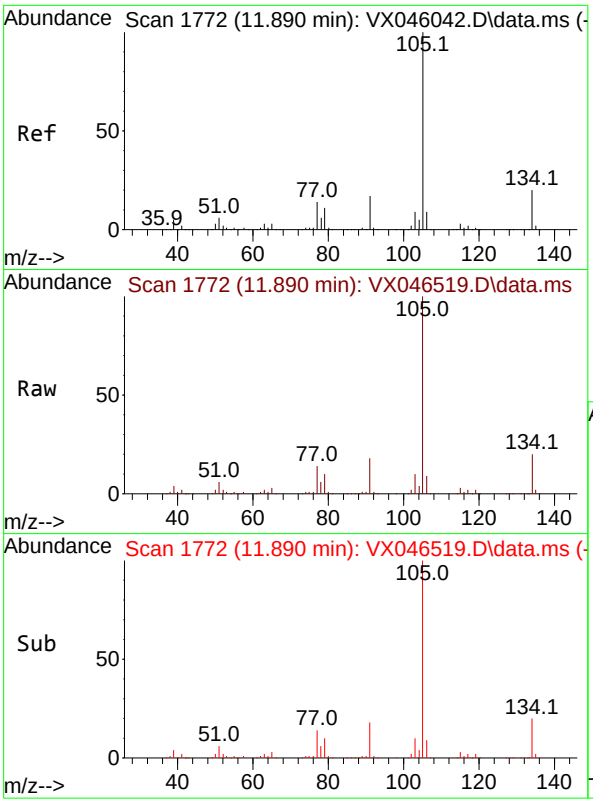


#84
1,2,4-Trimethylbenzene
Concen: 20.279 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:105 Resp: 93782

Ion	Ratio	Lower	Upper
105	100		
120	41.1	21.2	63.6





#85
sec-Butylbenzene
Concen: 20.054 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

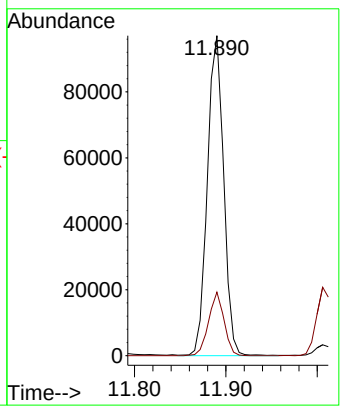
Tgt Ion:105 Resp: 11990

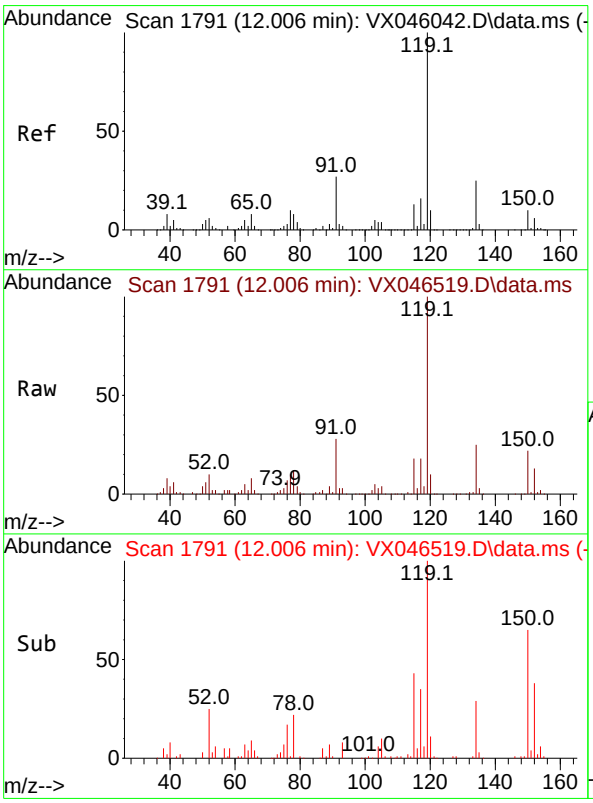
Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

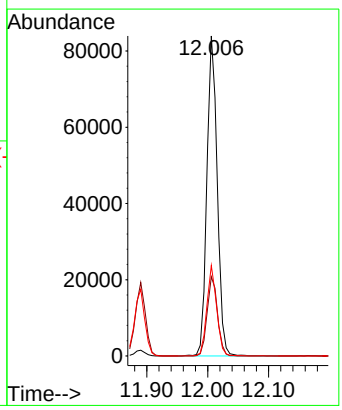


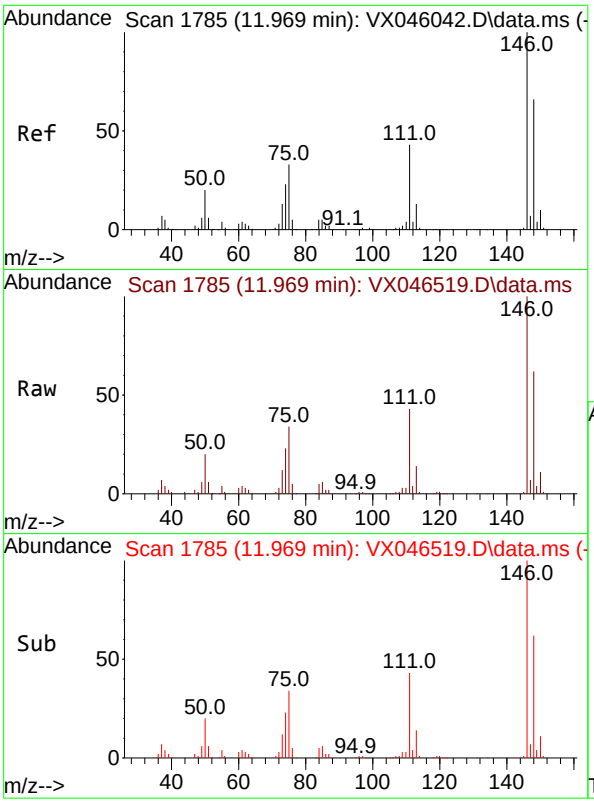


#86
p-Isopropyltoluene
Concen: 19.900 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:119 Resp: 99196

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.5	37.5
91	26.8	13.8	41.4

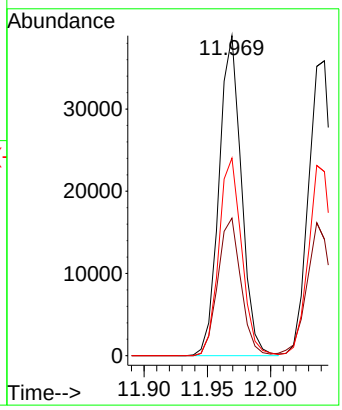




#87
1,3-Dichlorobenzene
Concen: 19.349 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:146 Resp: 4784

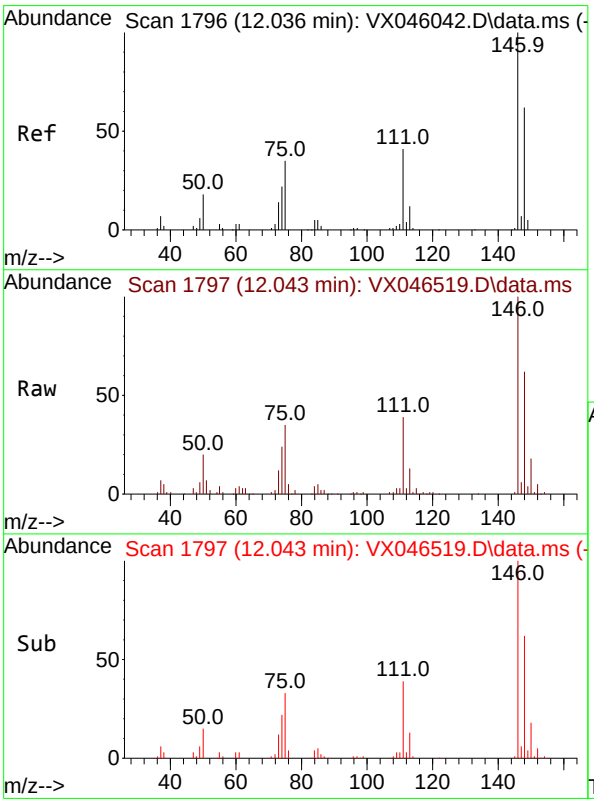
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.3
148	63.1	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

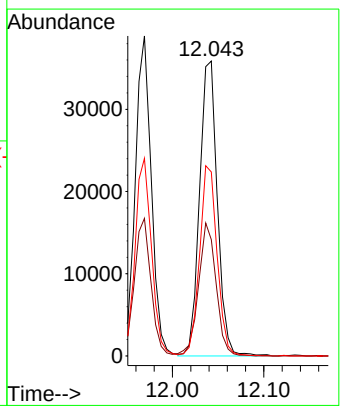
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

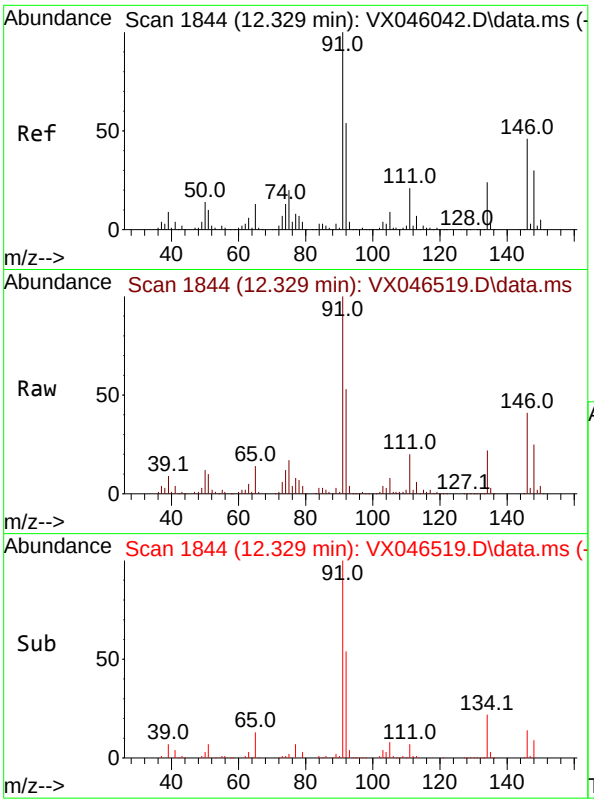


#88
1,4-Dichlorobenzene
Concen: 18.912 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:146 Resp: 48453

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.9
148	63.7	31.9	95.5

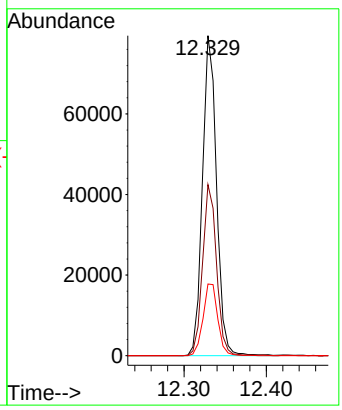




#89
n-Butylbenzene
Concen: 19.263 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 91 Resp: 9429

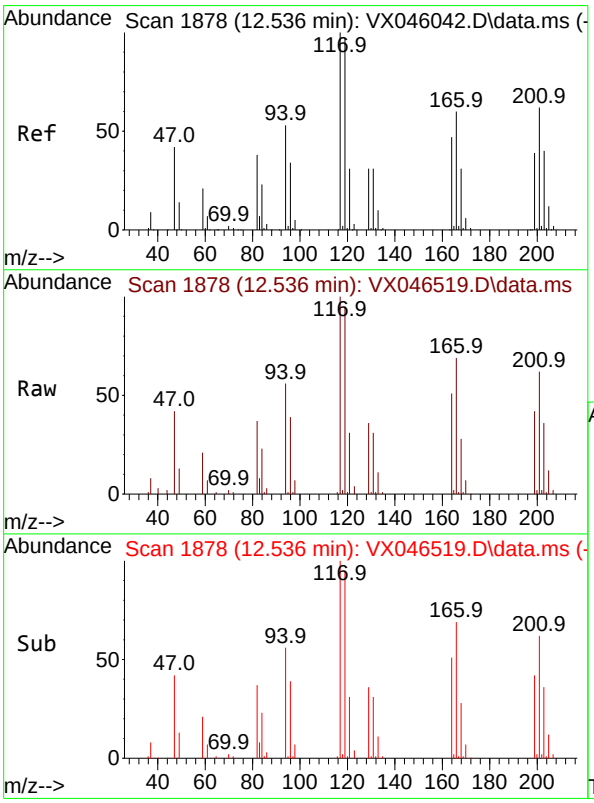
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

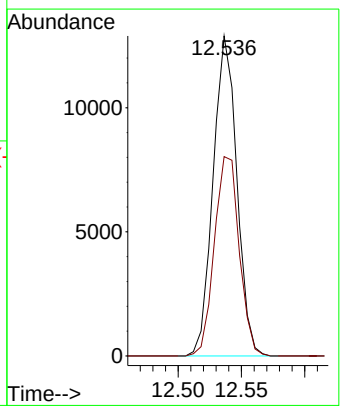
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

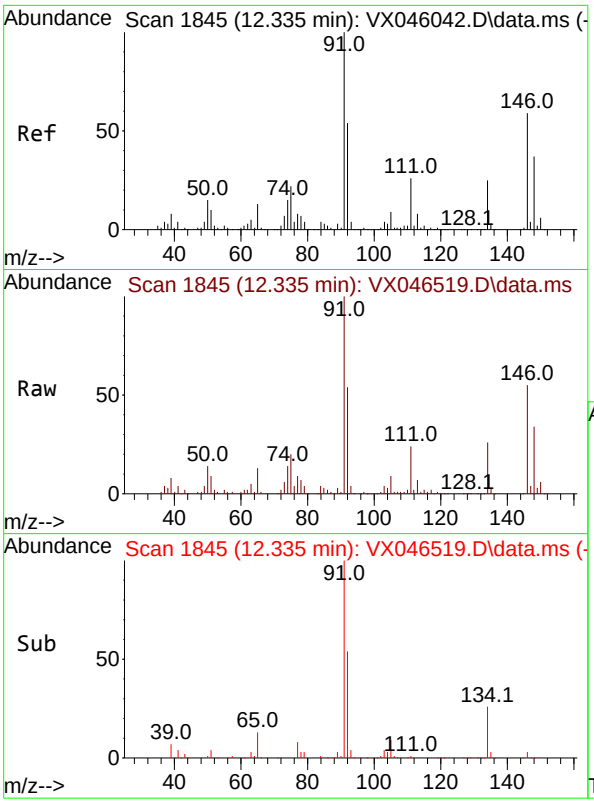


#90
Hexachloroethane
Concen: 18.972 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:117 Resp: 16809

Ion	Ratio	Lower	Upper
117	100		
201	65.1	31.6	94.7

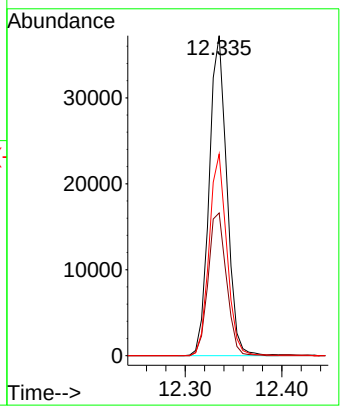




#91
1,2-Dichlorobenzene
Concen: 19.801 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:146 Resp: 4725

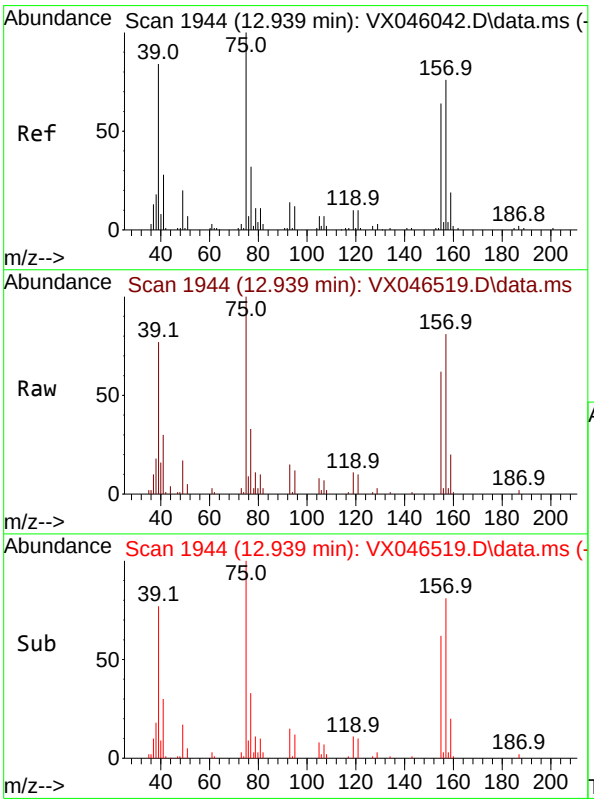
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

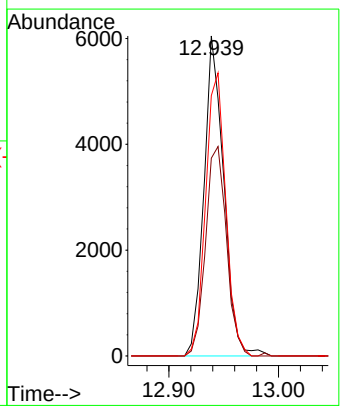
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

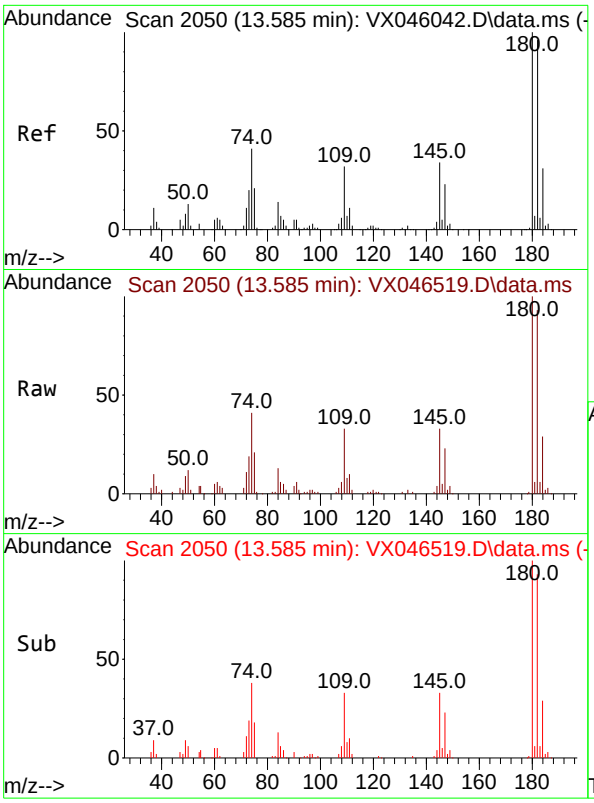


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.293 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion: 75 Resp: 7586

Ion	Ratio	Lower	Upper
75	100		
155	69.2	34.9	104.8
157	89.7	43.8	131.4

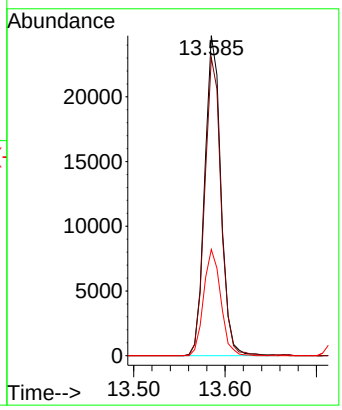




#93
1,2,4-Trichlorobenzene
Concen: 18.598 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:180 Resp: 3028

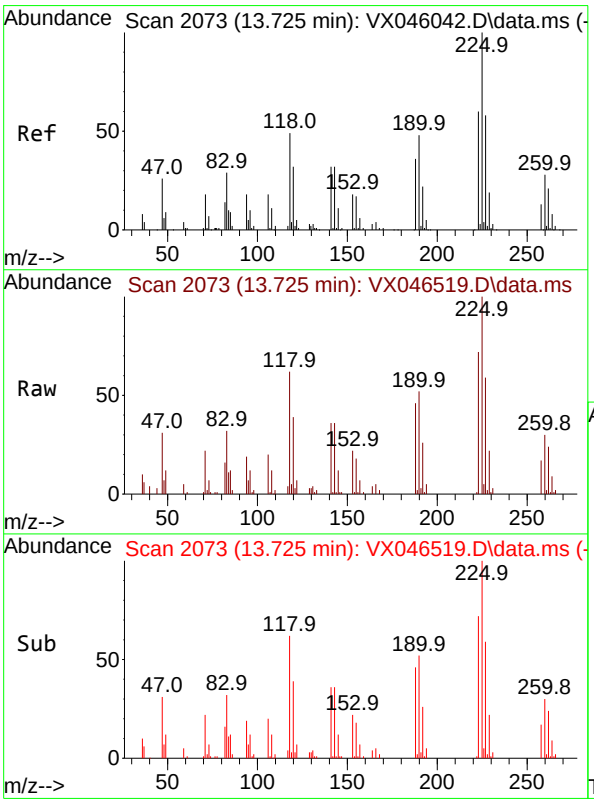
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.8
145	35.0	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

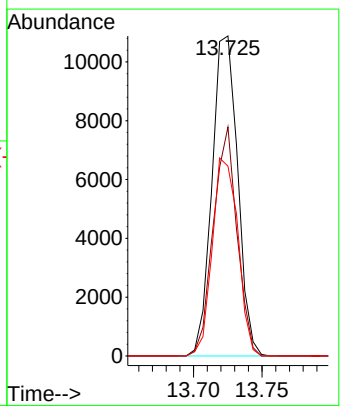
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

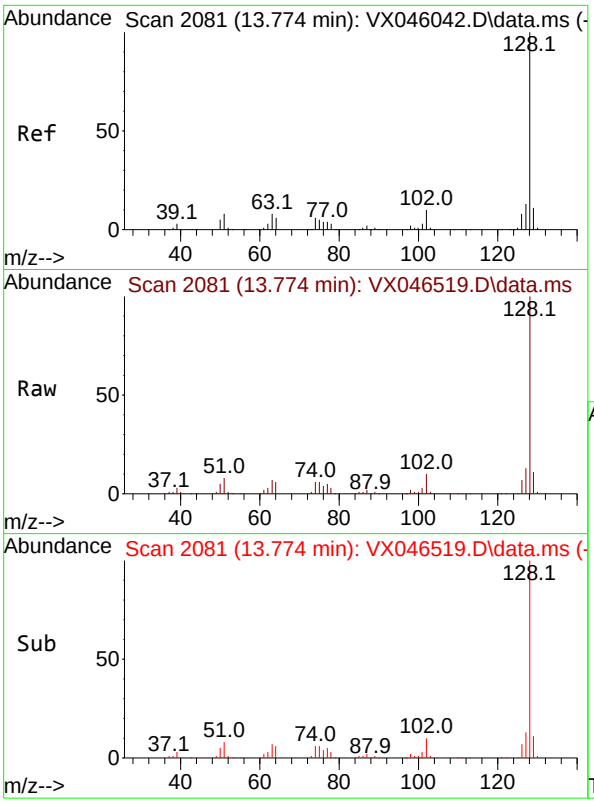


#94
Hexachlorobutadiene
Concen: 18.746 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:225 Resp: 14184

Ion	Ratio	Lower	Upper
225	100		
223	66.0	30.8	92.4
227	61.6	30.9	92.7

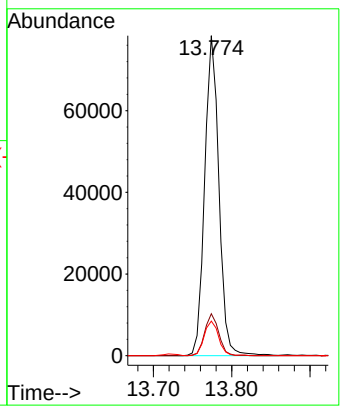




#95
Naphthalene
Concen: 19.071 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:128 Resp: 9846

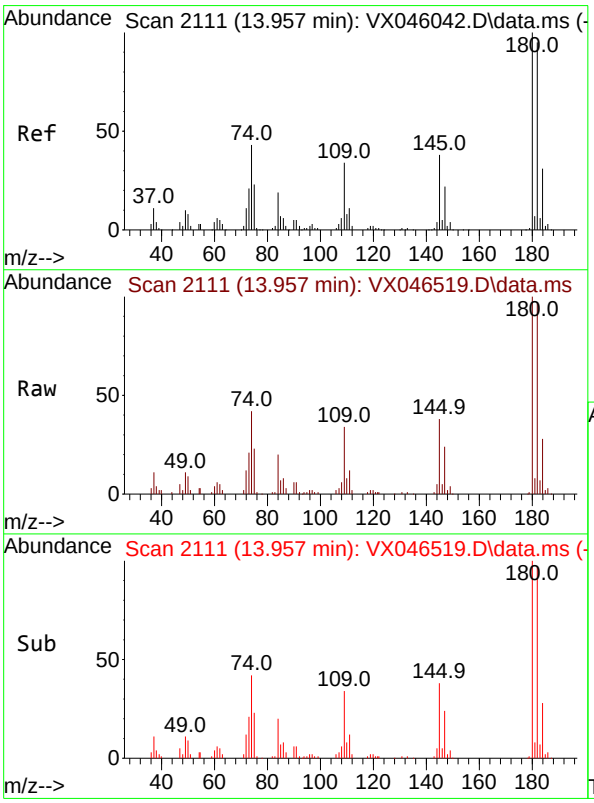
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

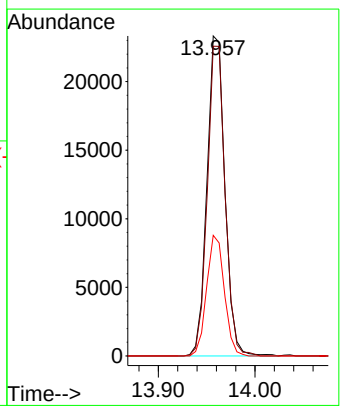
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.437 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046519.D
Acq: 06 Jun 2025 10:18

Tgt Ion:180 Resp: 30099

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	37.2	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	90114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	156192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	78706	49.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.180%			
35) Dibromofluoromethane	5.403	113	57416	49.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	8.653	98	185557	49.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.000%			
62) 4-Bromofluorobenzene	11.079	95	76988	49.137	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	58145	46.477	ug/l	95
3) Chloromethane	1.307	50	51612	45.324	ug/l	96
4) Vinyl Chloride	1.386	62	53673	47.282	ug/l	100
5) Bromomethane	1.624	94	35883	52.070	ug/l	96
6) Chloroethane	1.703	64	33654	45.694	ug/l	96
7) Trichlorofluoromethane	1.904	101	92019	48.994	ug/l	95
8) Diethyl Ether	2.154	74	32101	48.374	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	57448	48.549	ug/l	98
10) Methyl Iodide	2.471	142	64524	50.302	ug/l	100
11) Tert butyl alcohol	2.971	59	44039	247.552	ug/l	100
12) 1,1-Dichloroethene	2.337	96	51110	47.772	ug/l	99
13) Acrolein	2.251	56	50652	237.168	ug/l	98
14) Allyl chloride	2.684	41	101836	48.466	ug/l	96
15) Acrylonitrile	3.081	53	170615	253.656	ug/l	99
16) Acetone	2.392	43	153142	243.373	ug/l	100
17) Carbon Disulfide	2.532	76	109794	48.339	ug/l	100
18) Methyl Acetate	2.721	43	101867	53.343	ug/l	100
19) Methyl tert-butyl Ether	3.135	73	190602	50.914	ug/l	99
20) Methylene Chloride	2.806	84	59622	46.355	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	52474	46.346	ug/l	95
22) Diisopropyl ether	3.782	45	211118	50.963	ug/l #	80
23) Vinyl Acetate	3.739	43	823688	257.541	ug/l	100
24) 1,1-Dichloroethane	3.629	63	113435	49.132	ug/l	97
25) 2-Butanone	4.574	43	226668	253.975	ug/l	98
26) 2,2-Dichloropropane	4.495	77	87040	50.783	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	66760	47.898	ug/l	99
28) Bromochloromethane	4.916	49	53158	48.273	ug/l	100
29) Tetrahydrofuran	5.019	42	142276	252.427	ug/l	99
30) Chloroform	5.111	83	118738	49.084	ug/l	99
31) Cyclohexane	5.489	56	89669	48.110	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	102837	49.696	ug/l	98
36) 1,1-Dichloropropene	5.714	75	75745	46.165	ug/l	99
37) Ethyl Acetate	4.733	43	86522	54.042	ug/l	98
38) Carbon Tetrachloride	5.696	117	88063	47.920	ug/l	99
39) Methylcyclohexane	7.391	83	89357	46.141	ug/l	97
40) Benzene	6.056	78	222898	48.257	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	50437	50.720	ug/l		96
42) 1,2-Dichloroethane	6.098	62	95292	49.590	ug/l		99
43) Isopropyl Acetate	6.354	43	144198	51.653	ug/l		99
44) Trichloroethene	7.135	130	54791	46.686	ug/l		98
45) 1,2-Dichloropropane	7.440	63	59497	49.904	ug/l		99
46) Dibromomethane	7.586	93	43598	48.609	ug/l		98
47) Bromodichloromethane	7.830	83	94149	51.052	ug/l		98
48) Methyl methacrylate	7.702	41	75100	52.285	ug/l		97
49) 1,4-Dioxane	7.671	88	19805	1031.079	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	462924	260.948	ug/l		100
52) Toluene	8.720	92	138129	48.677	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	84697	51.223	ug/l		100
54) cis-1,3-Dichloropropene	8.372	75	92087	50.089	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	57143	50.162	ug/l		97
56) Ethyl methacrylate	9.116	69	91058	51.943	ug/l		97
57) 1,3-Dichloropropane	9.311	76	99273	49.312	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	246532	258.184	ug/l		100
59) 2-Hexanone	9.433	43	333019	261.746	ug/l		99
60) Dibromochloromethane	9.525	129	67410	50.307	ug/l		99
61) 1,2-Dibromoethane	9.610	107	57774	48.669	ug/l		98
64) Tetrachloroethene	9.275	164	42288	46.308	ug/l		96
65) Chlorobenzene	10.079	112	153710	47.857	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	54990	50.666	ug/l		99
67) Ethyl Benzene	10.195	91	275626	49.157	ug/l		100
68) m/p-Xylenes	10.299	106	201325	98.982	ug/l		99
69) o-Xylene	10.640	106	97769	49.696	ug/l		97
70) Styrene	10.658	104	171642	50.968	ug/l		99
71) Bromoform	10.799	173	42521	51.382	ug/l	#	98
73) Isopropylbenzene	10.963	105	269074	49.729	ug/l		99
74) N-amyl acetate	10.841	43	124077	52.072	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86539	49.967	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	72182m	48.702	ug/l		
77) Bromobenzene	11.195	156	60653	48.295	ug/l		100
78) n-propylbenzene	11.305	91	323032	49.325	ug/l		100
79) 2-Chlorotoluene	11.366	91	191732	48.549	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	223189	49.500	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25456	50.367	ug/l		98
82) 4-Chlorotoluene	11.451	91	226629	48.414	ug/l		99
83) tert-Butylbenzene	11.713	119	226214	49.285	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	224100	49.131	ug/l		100
85) sec-Butylbenzene	11.890	105	287196	48.696	ug/l		99
86) p-Isopropyltoluene	12.006	119	239809	48.775	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	115889	47.520	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	115263	45.612	ug/l		99
89) n-Butylbenzene	12.329	91	230830	47.808	ug/l		99
90) Hexachloroethane	12.536	117	41969	48.027	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	112815	47.923	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19603	50.545	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	74109	46.149	ug/l		99
94) Hexachlorobutadiene	13.725	225	34506	46.237	ug/l		98
95) Naphthalene	13.774	128	256456	50.359	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75172	46.684	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

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

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

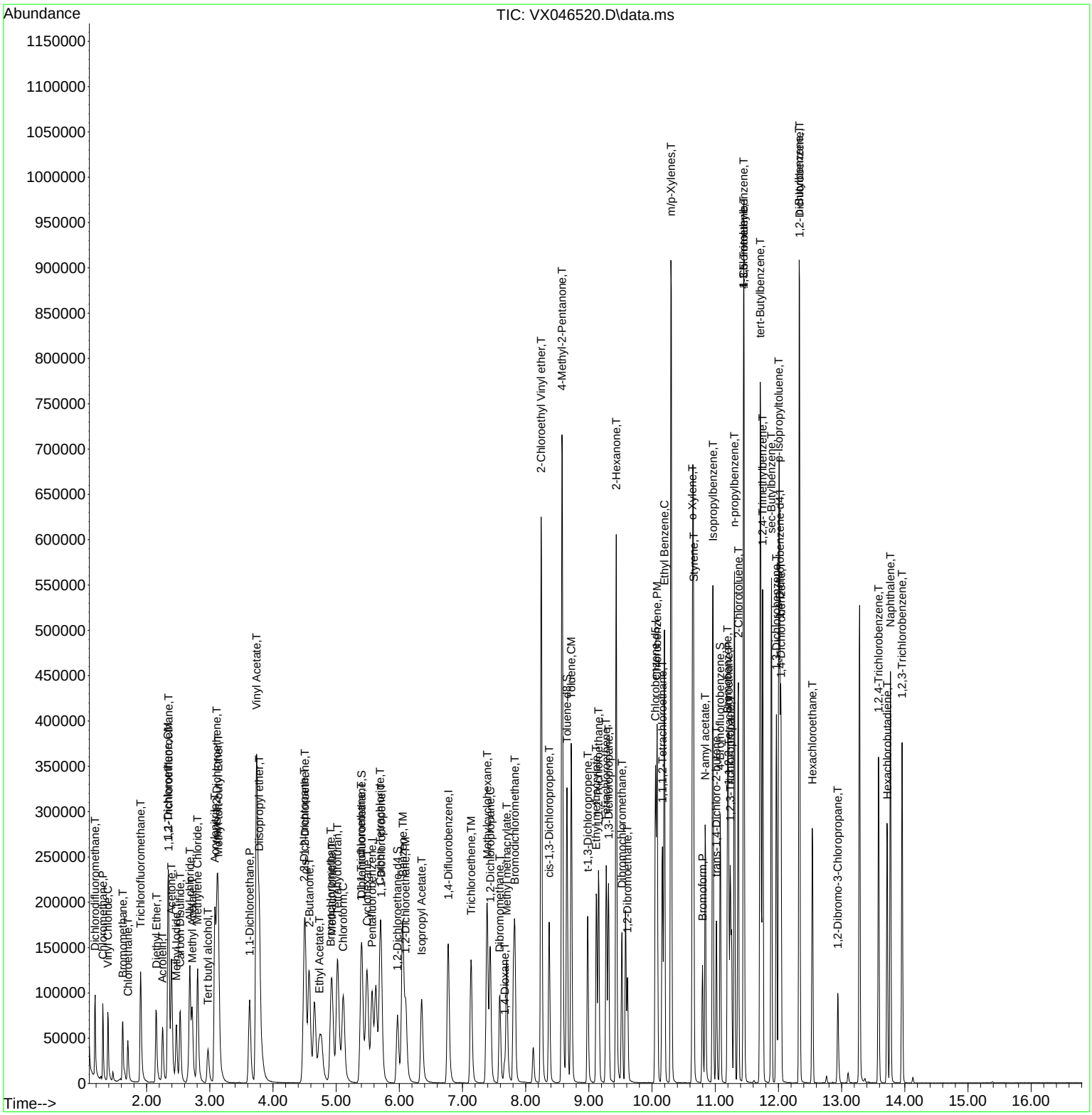
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Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
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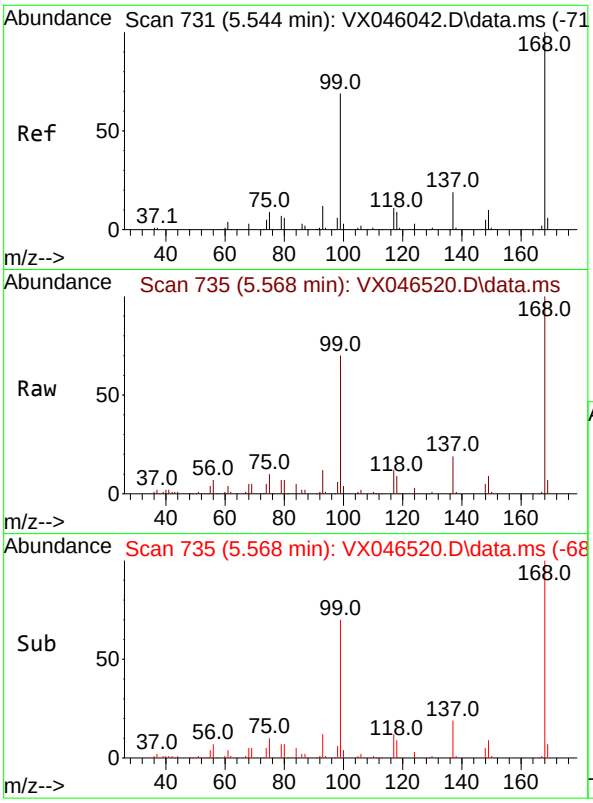
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
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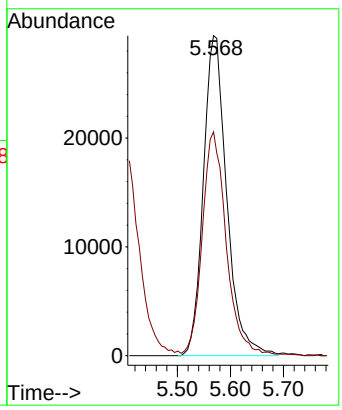




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:168 Resp: 9011

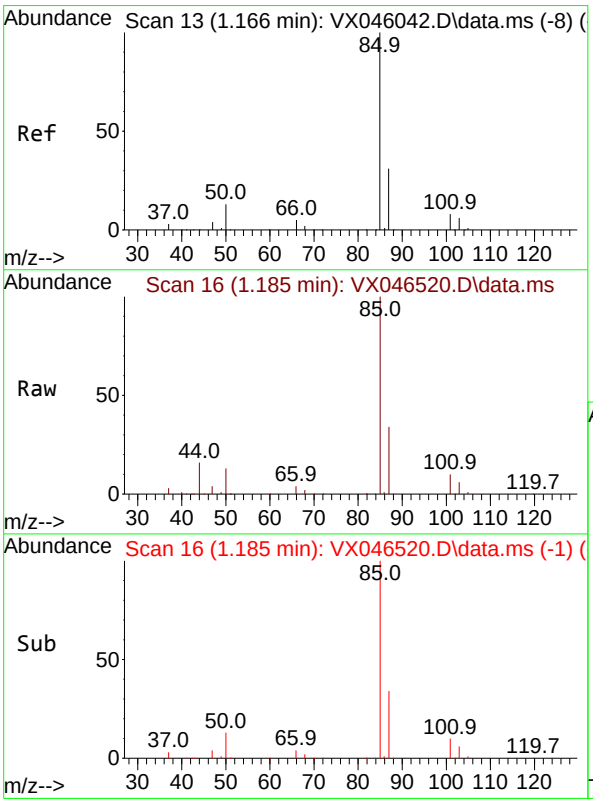
Ion	Ratio	Lower	Upper
168	100		
99	69.4	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

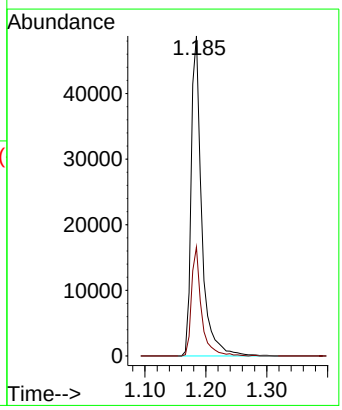
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

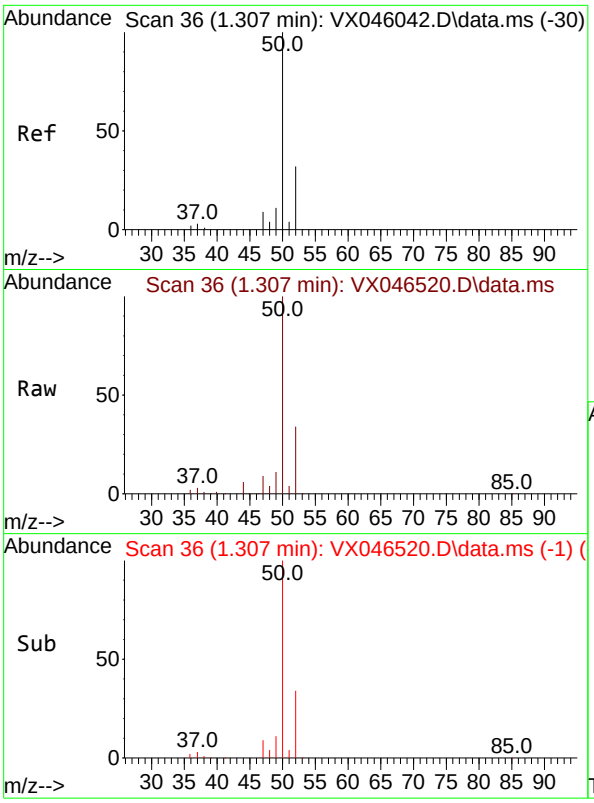


#2
Dichlorodifluoromethane
Concen: 46.477 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 85 Resp: 58145

Ion	Ratio	Lower	Upper
85	100		
87	34.0	15.7	47.1





#3
Chloromethane
Concen: 45.324 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

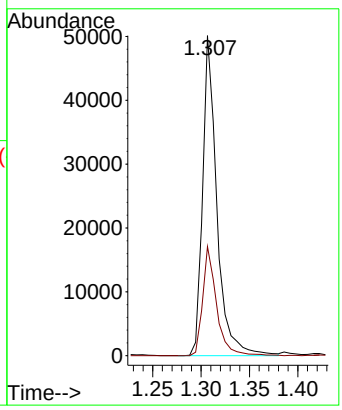
Tgt Ion: 50 Resp: 5161

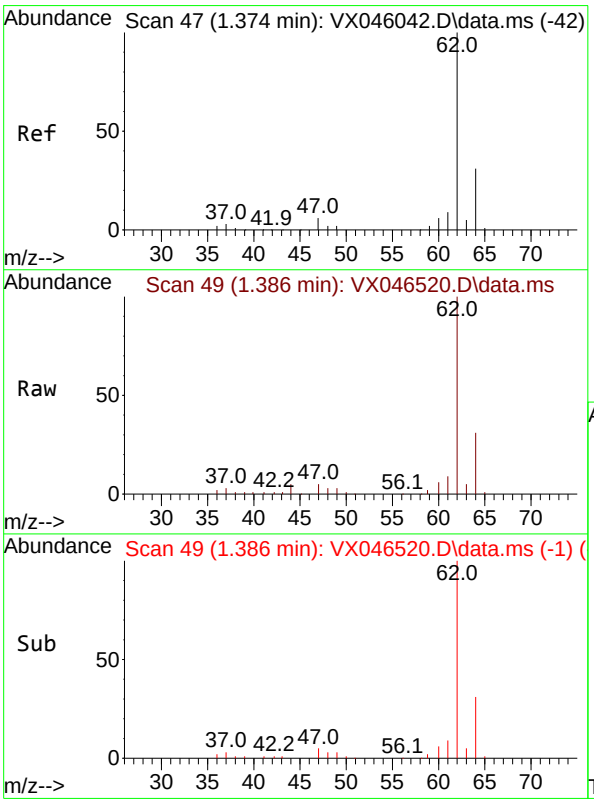
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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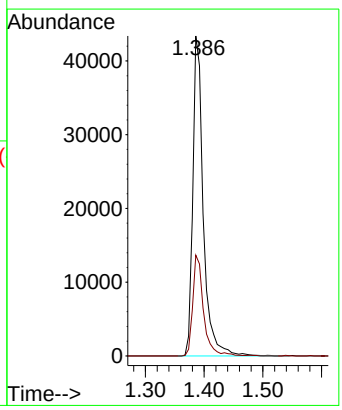


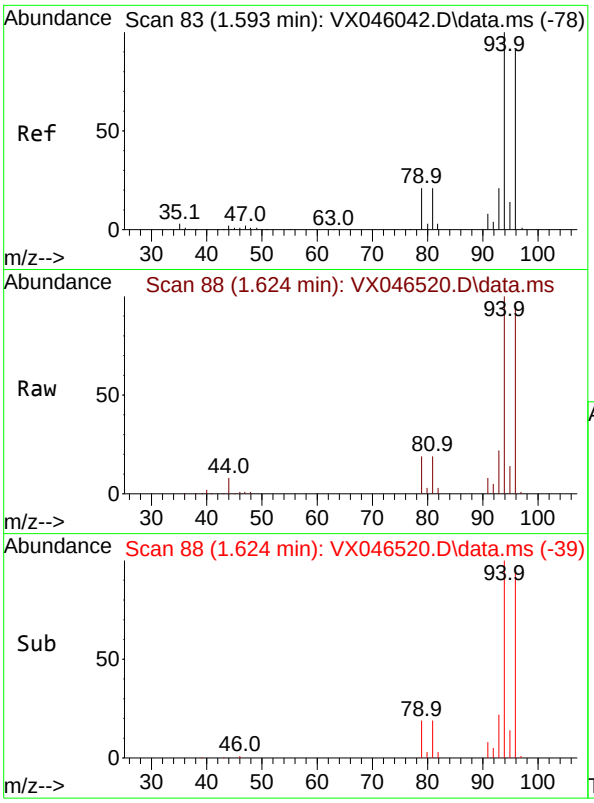


#4
Vinyl Chloride
Concen: 47.282 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 62 Resp: 53673

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8





#5
Bromomethane
Concen: 52.070 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

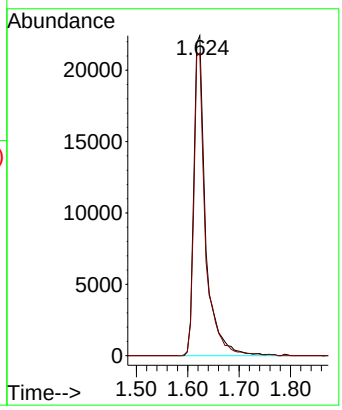
Tgt Ion: 94 Resp: 3588

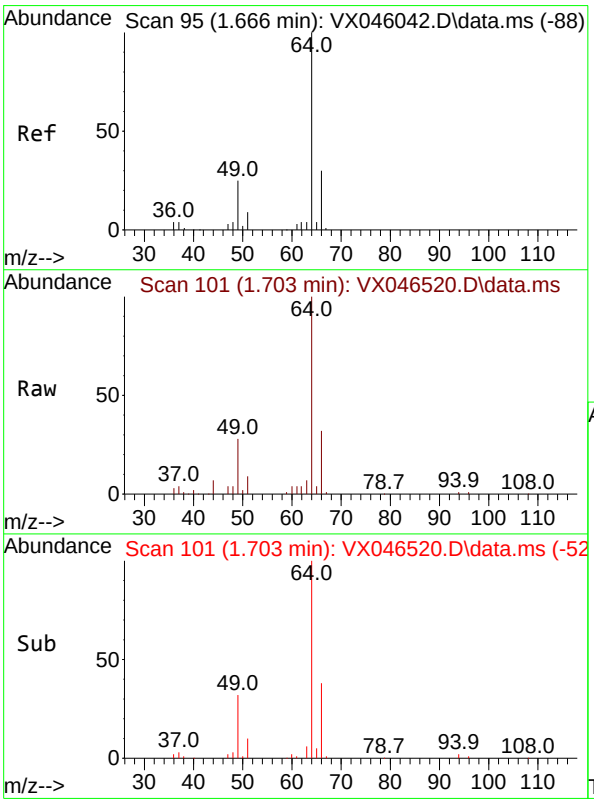
Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

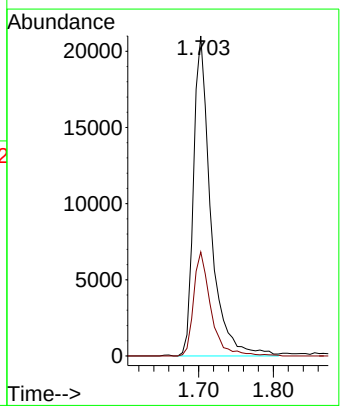


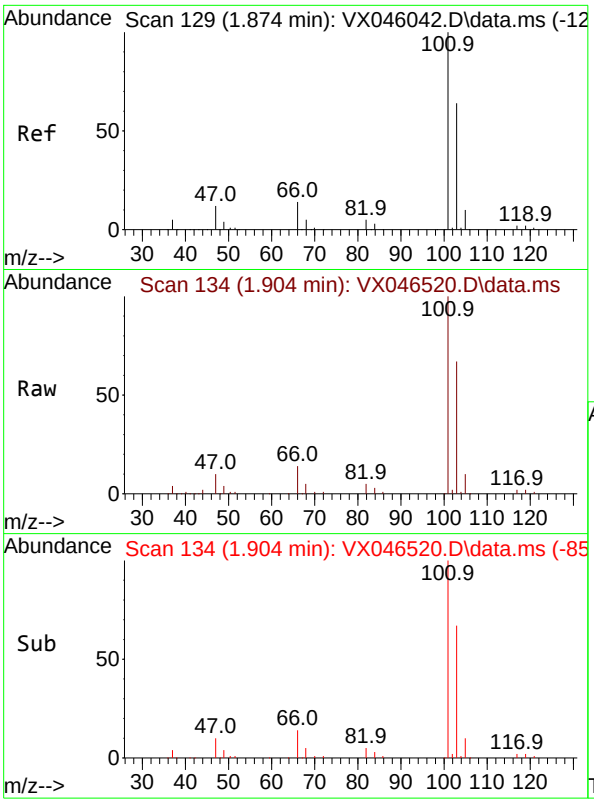


#6
Chloroethane
Concen: 45.694 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 64 Resp: 33654

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.3	36.5

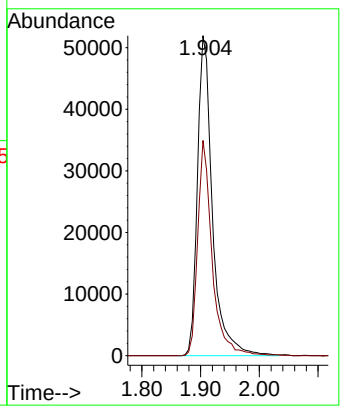




#7
Trichlorofluoromethane
Concen: 48.994 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:101 Resp: 9201

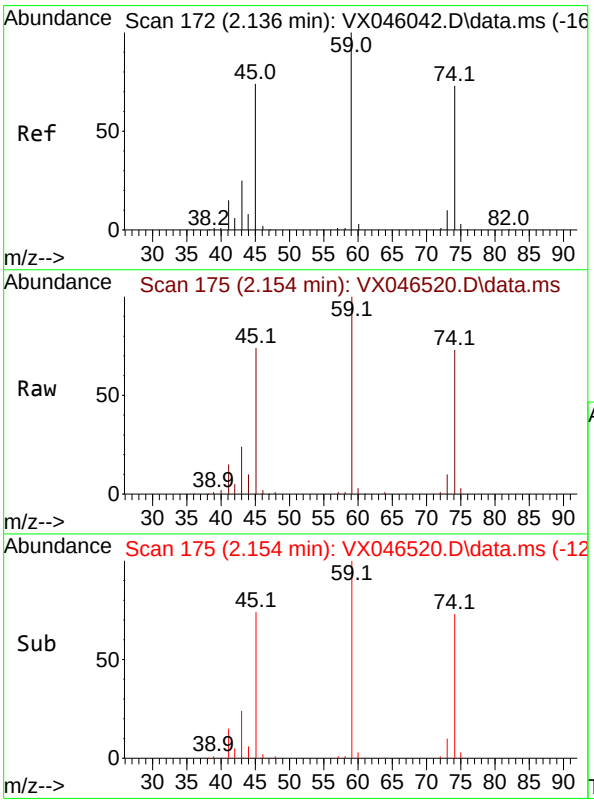
Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

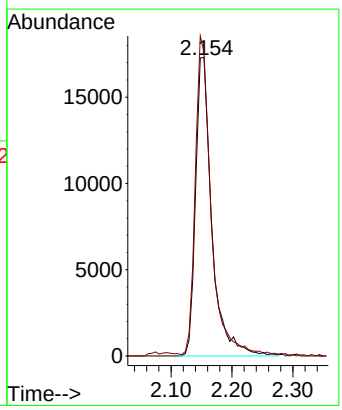
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

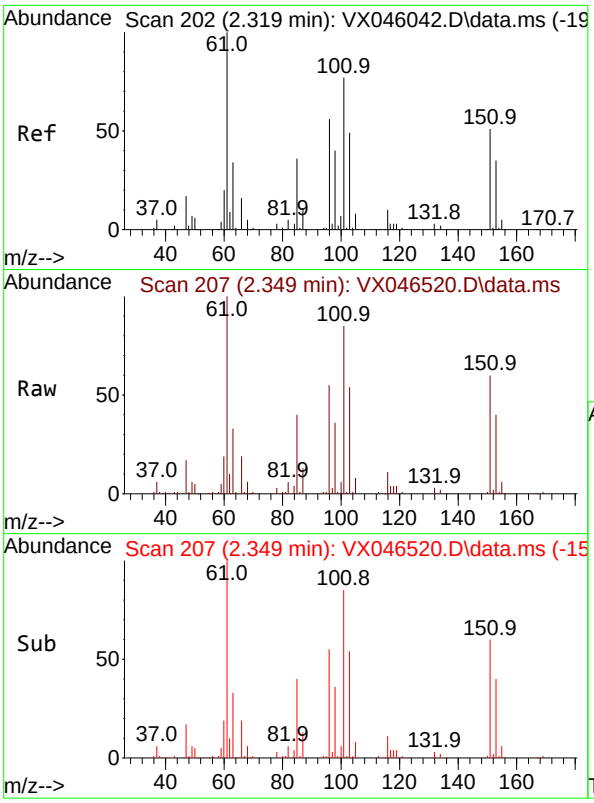


#8
Diethyl Ether
Concen: 48.374 ug/l
RT: 2.154 min Scan# 175
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 74 Resp: 32101

Ion	Ratio	Lower	Upper
74	100		
45	103.6	54.9	164.8

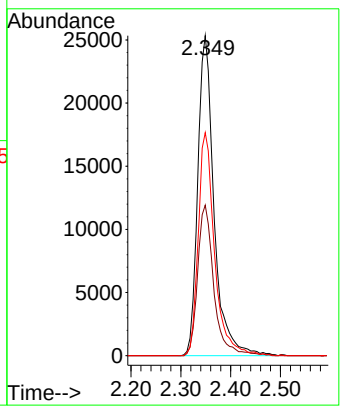




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.549 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:101 Resp: 5744

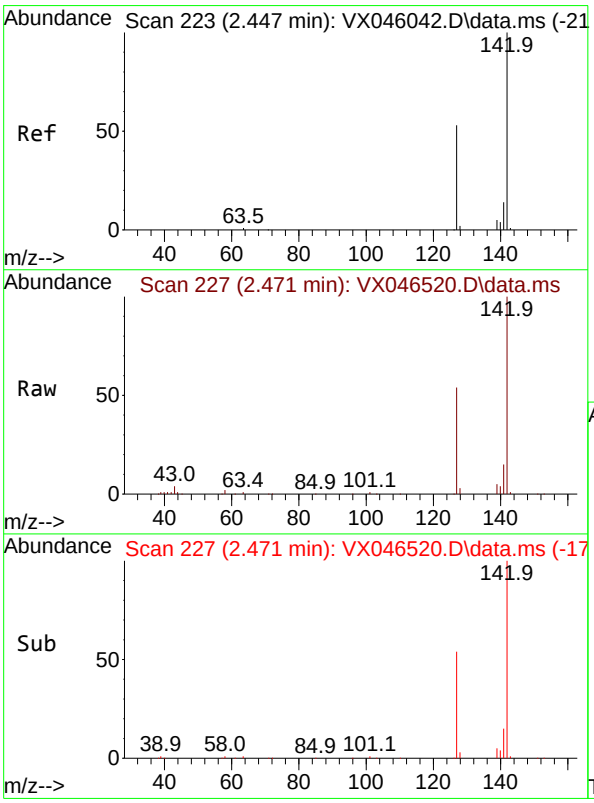
Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.6	58.0
151	70.1	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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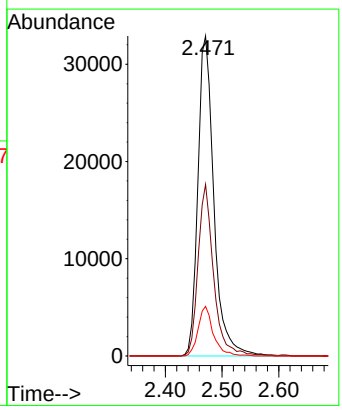
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

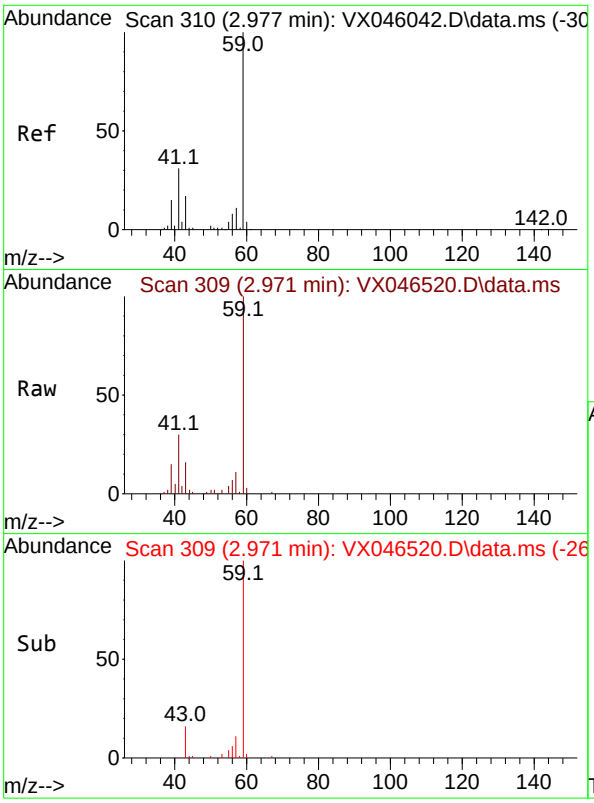


#10
Methyl Iodide
Concen: 50.302 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:142 Resp: 64524

Ion	Ratio	Lower	Upper
142	100		
127	52.0	41.7	62.5
141	14.9	11.5	17.3

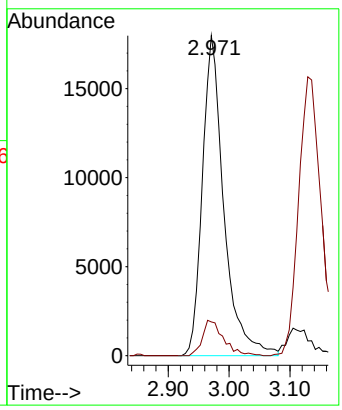




#11
Tert butyl alcohol
Concen: 247.552 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 59 Resp: 4403

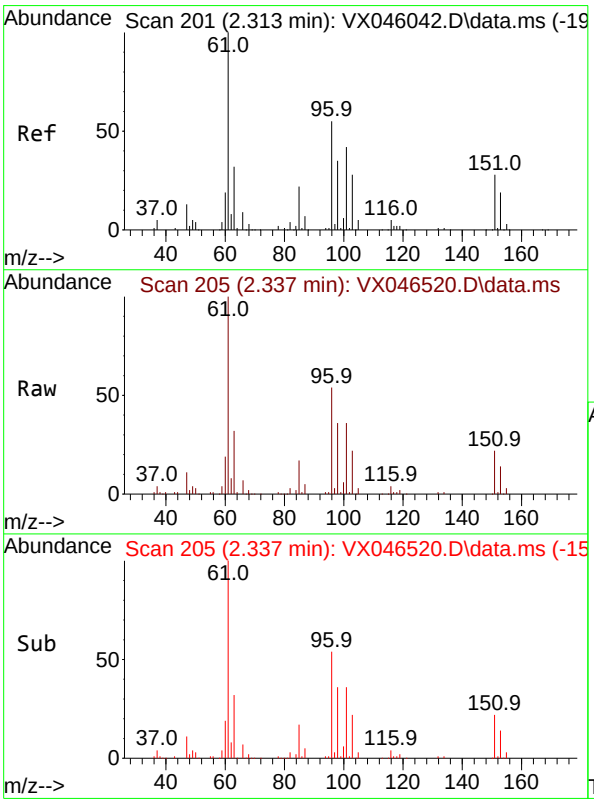
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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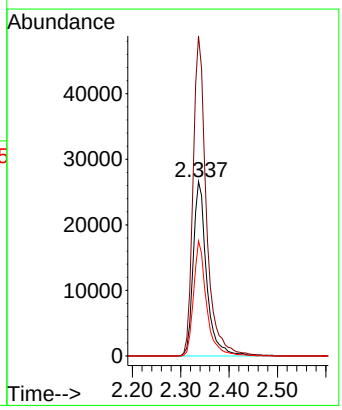
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

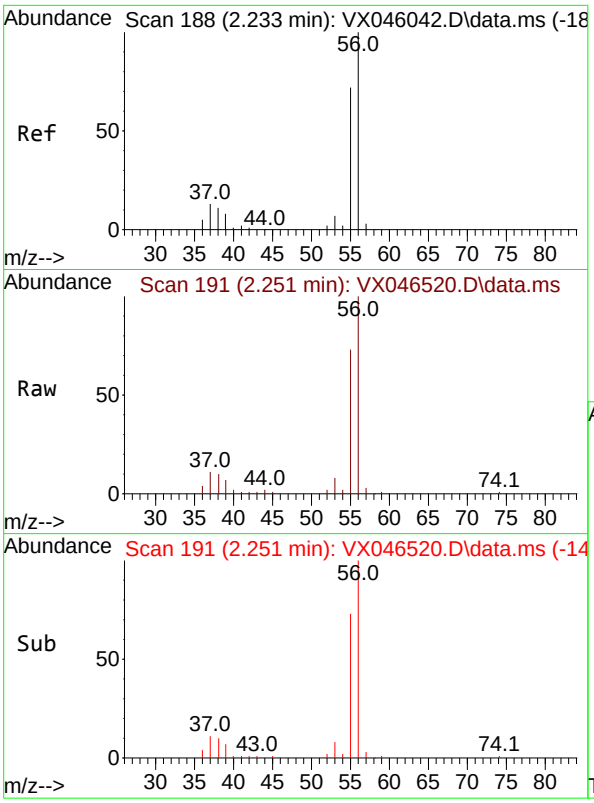


#12
1,1-Dichloroethene
Concen: 47.772 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 96 Resp: 51110

Ion	Ratio	Lower	Upper
96	100		
61	183.5	146.2	219.2
98	66.0	51.0	76.6

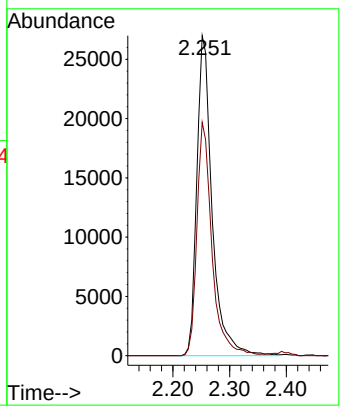




#13
Acrolein
Concen: 237.168 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 56 Resp: 5065

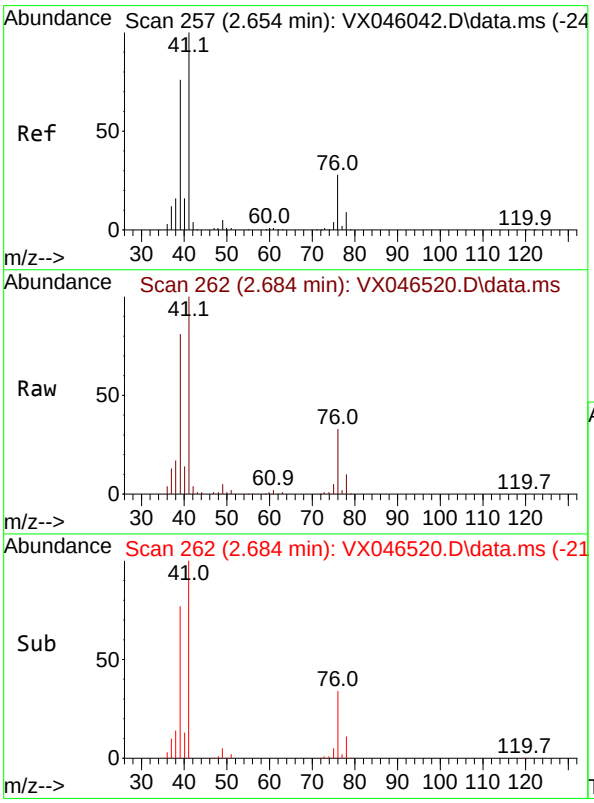
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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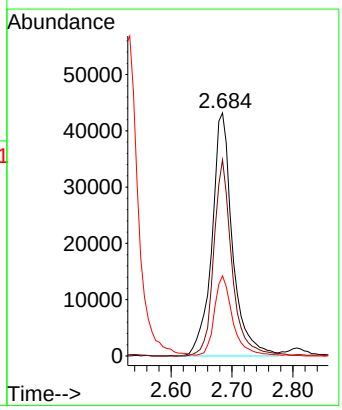
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

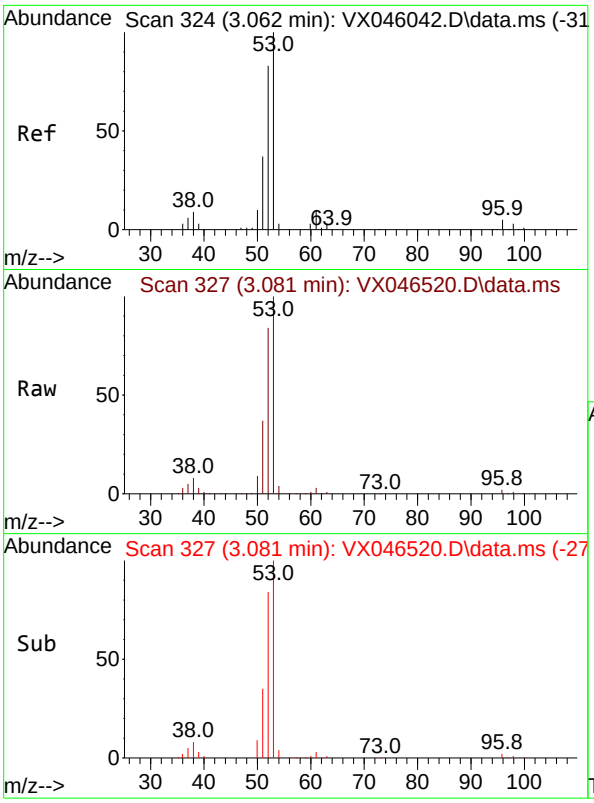


#14
Allyl chloride
Concen: 48.466 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 41 Resp: 101836

Ion	Ratio	Lower	Upper
41	100		
39	71.4	60.6	90.8
76	29.7	24.9	37.3





#15
Acrylonitrile
Concen: 253.656 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

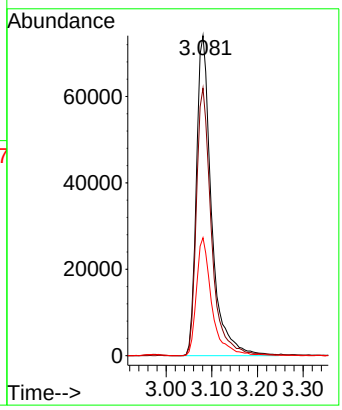
Tgt Ion: 53 Resp: 17061

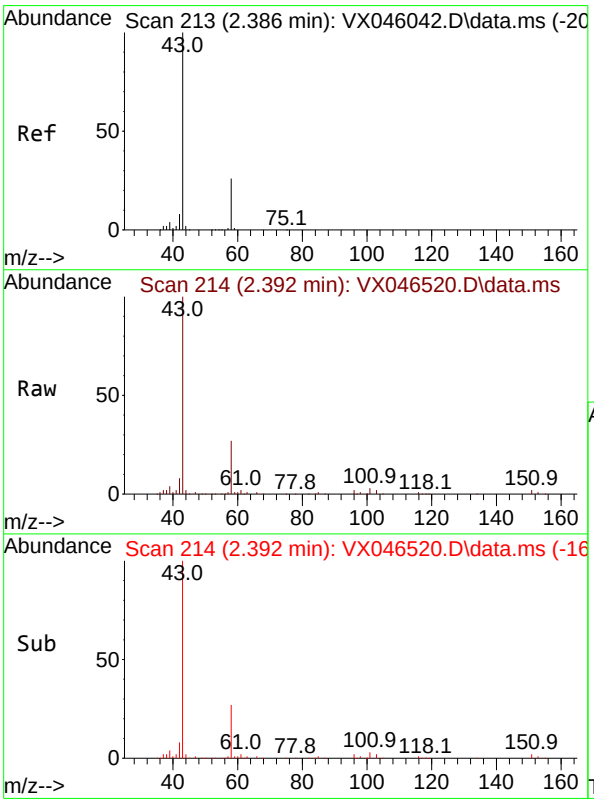
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.3	97.9
51	37.6	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

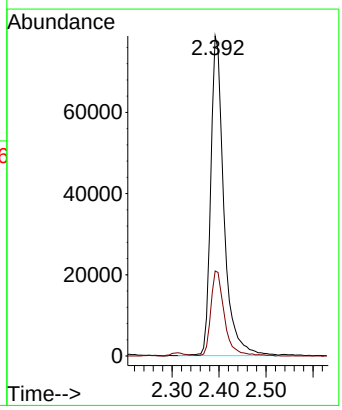


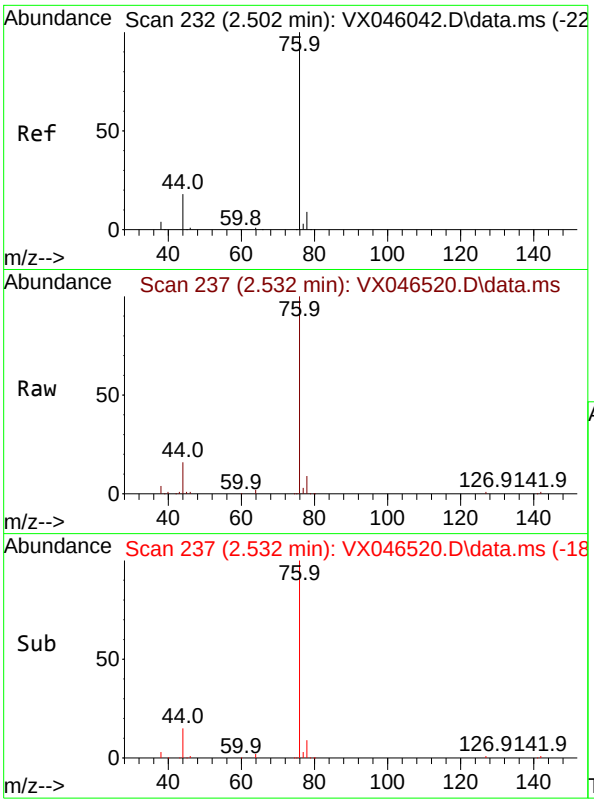


#16
Acetone
Concen: 243.373 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 153142

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8

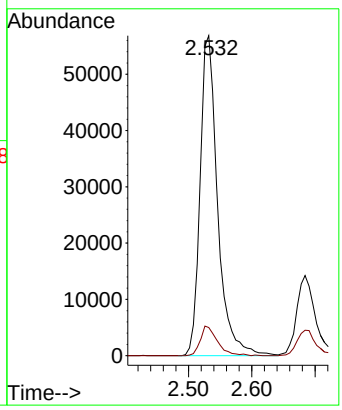




#17
Carbon Disulfide
Concen: 48.339 ug/l
RT: 2.532 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 76 Resp: 10979

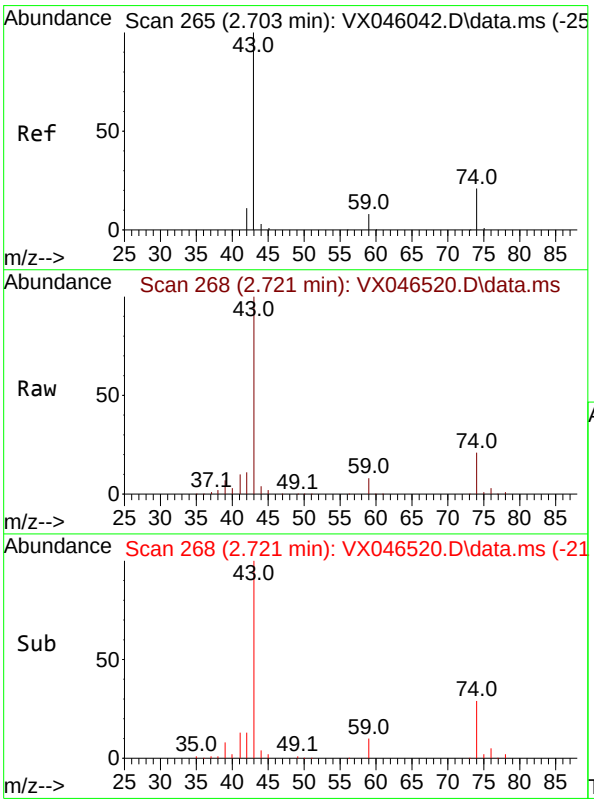
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

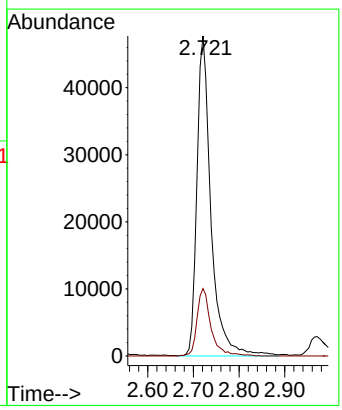
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

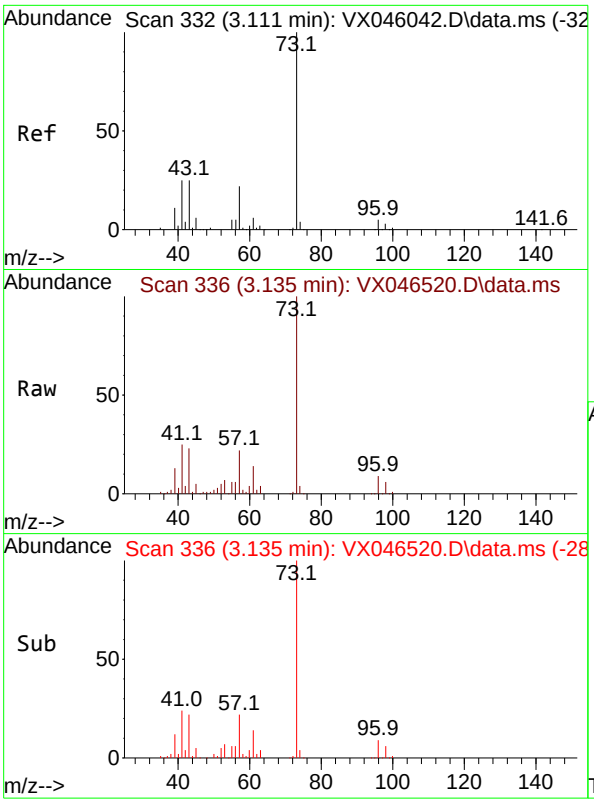


#18
Methyl Acetate
Concen: 53.343 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 101867

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

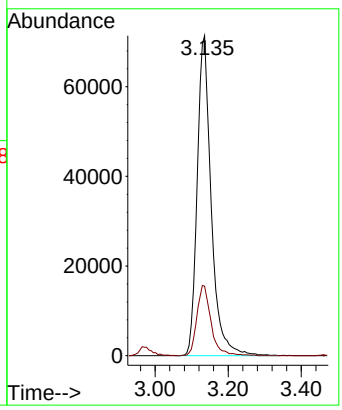




#19
Methyl tert-butyl Ether
Concen: 50.914 ug/l
RT: 3.135 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 73 Resp: 19060

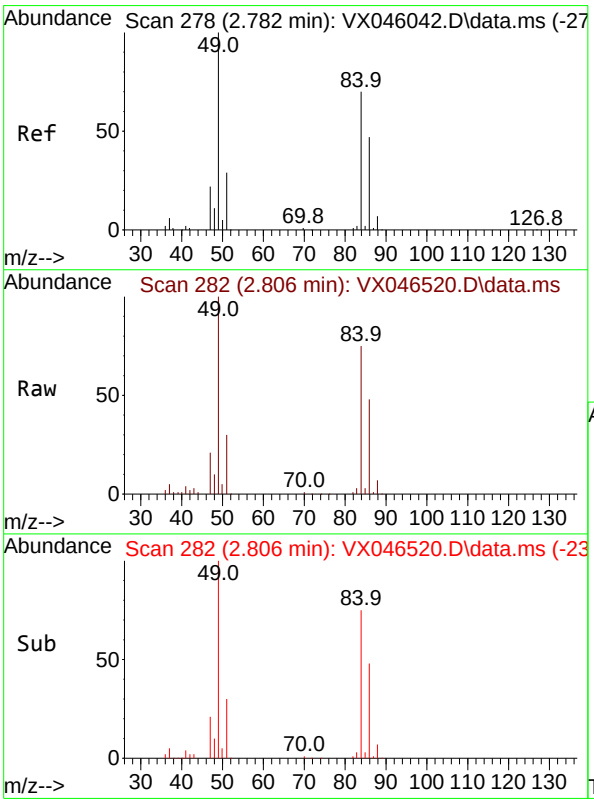
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

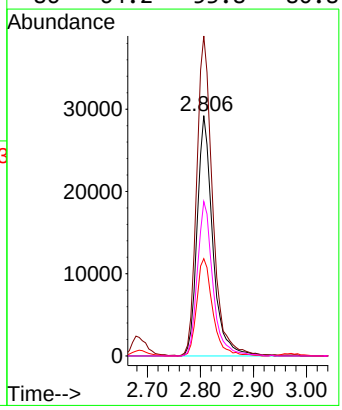
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

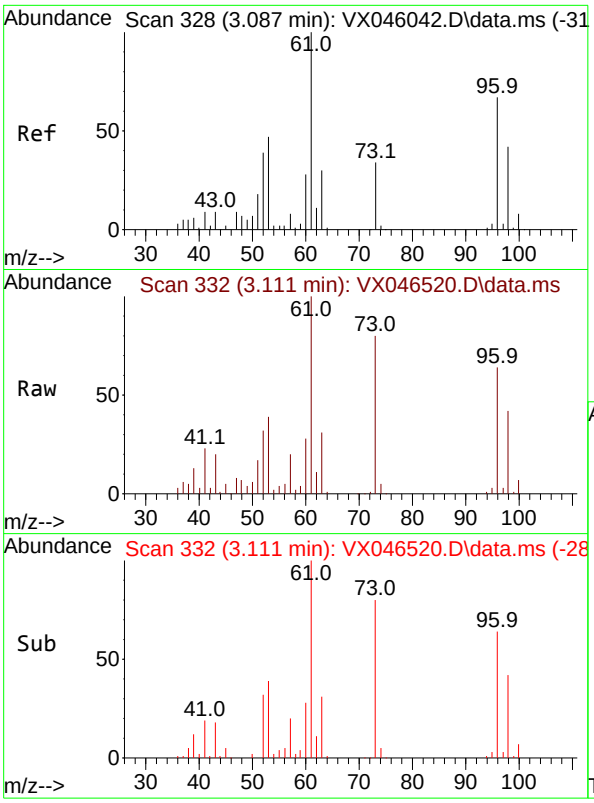


#20
Methylene Chloride
Concen: 46.355 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 84 Resp: 59622

Ion	Ratio	Lower	Upper
84	100		
49	133.1	113.9	170.9
51	40.5	33.5	50.3
86	64.2	53.8	80.8

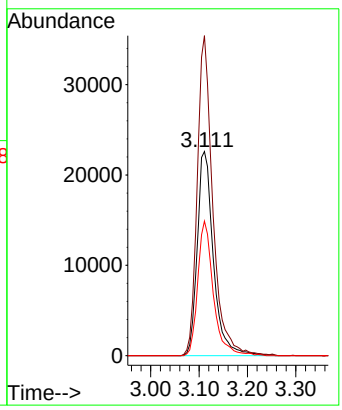




#21
trans-1,2-Dichloroethene
Concen: 46.346 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 96 Resp: 5247

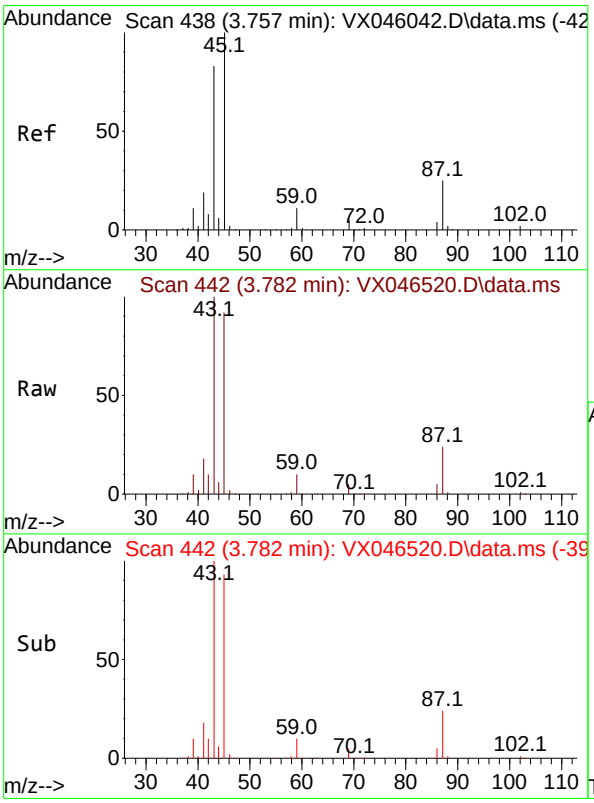
Ion	Ratio	Lower	Upper
96	100		
61	156.7	119.5	179.3
98	65.9	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

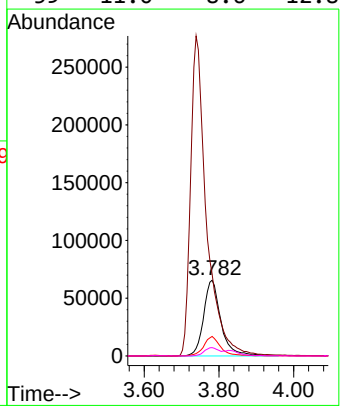
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

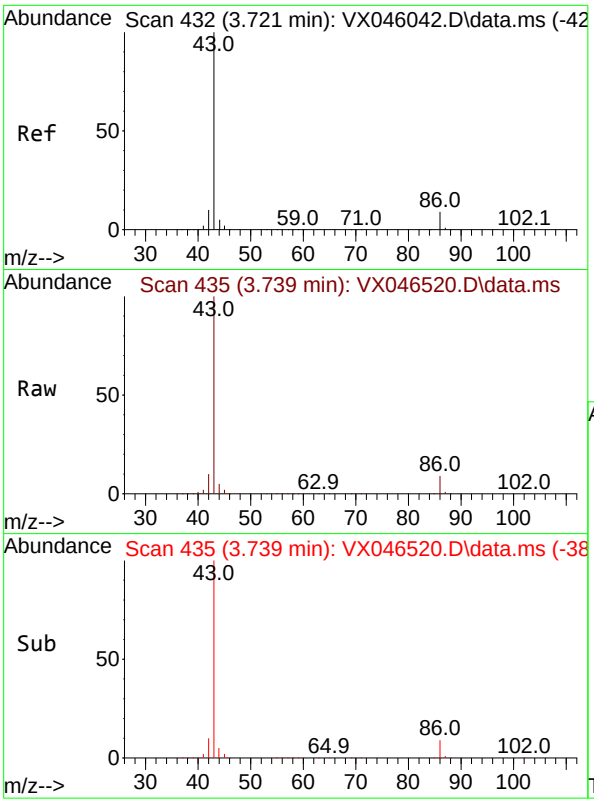


#22
Diisopropyl ether
Concen: 50.963 ug/l
RT: 3.782 min Scan# 442
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 45 Resp: 211118

Ion	Ratio	Lower	Upper
45	100		
43	108.0	66.6	100.0#
87	25.8	19.8	29.6
59	11.0	8.6	12.8





#23
Vinyl Acetate
Concen: 257.541 ug/l
RT: 3.739 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

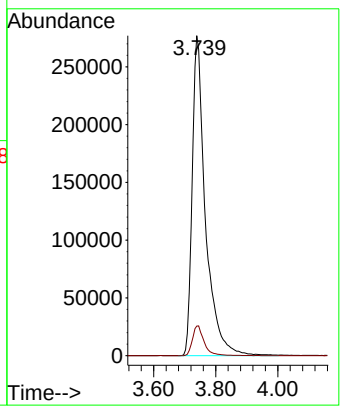
Tgt Ion: 43 Resp: 82368

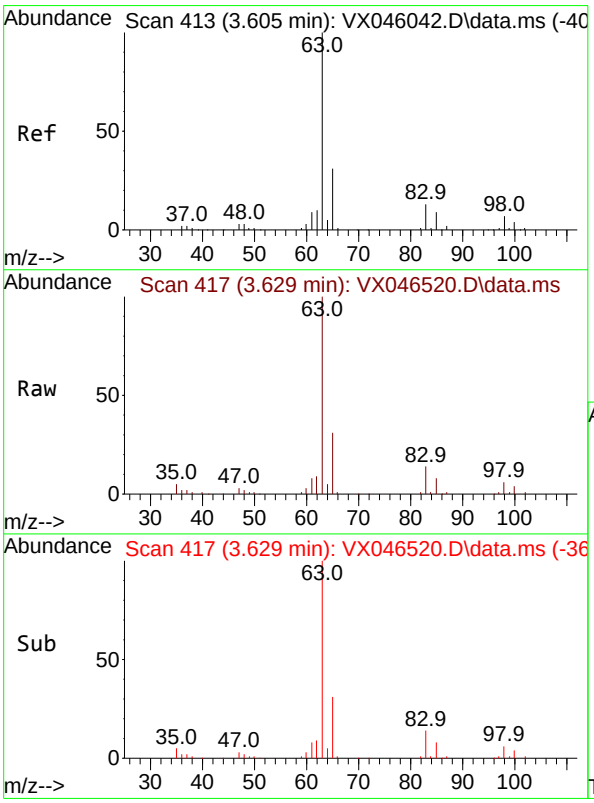
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

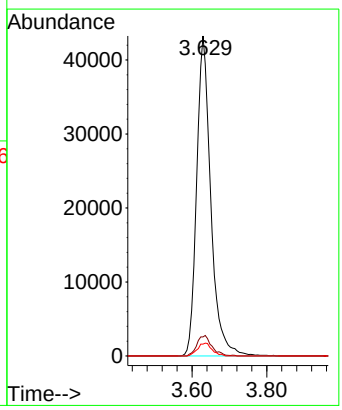


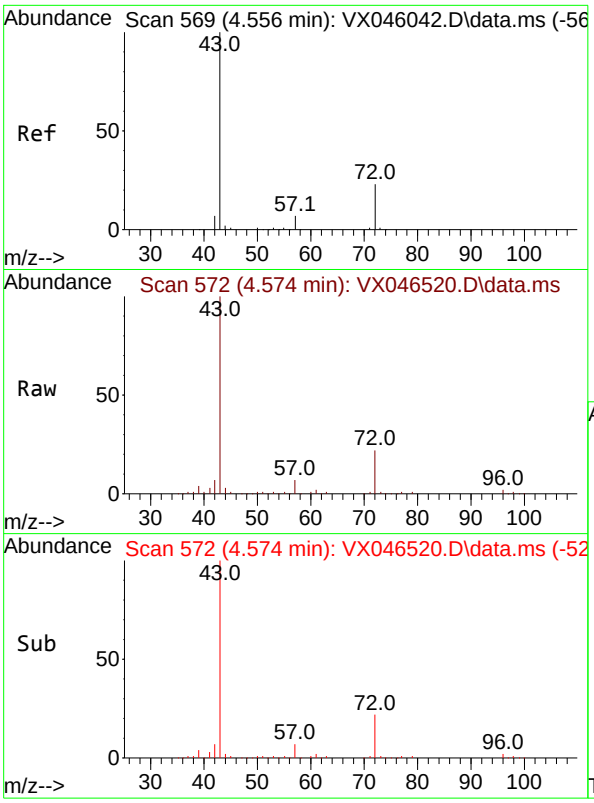


#24
1,1-Dichloroethane
Concen: 49.132 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 63 Resp: 113435

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.6	10.8
100	3.7	2.1	6.3

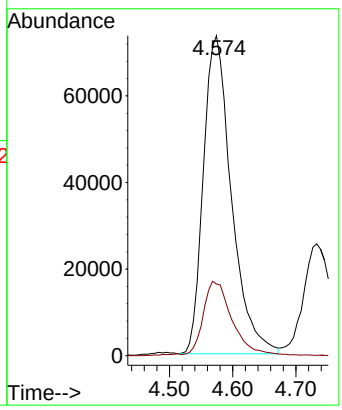




#25
2-Butanone
Concen: 253.975 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 22666

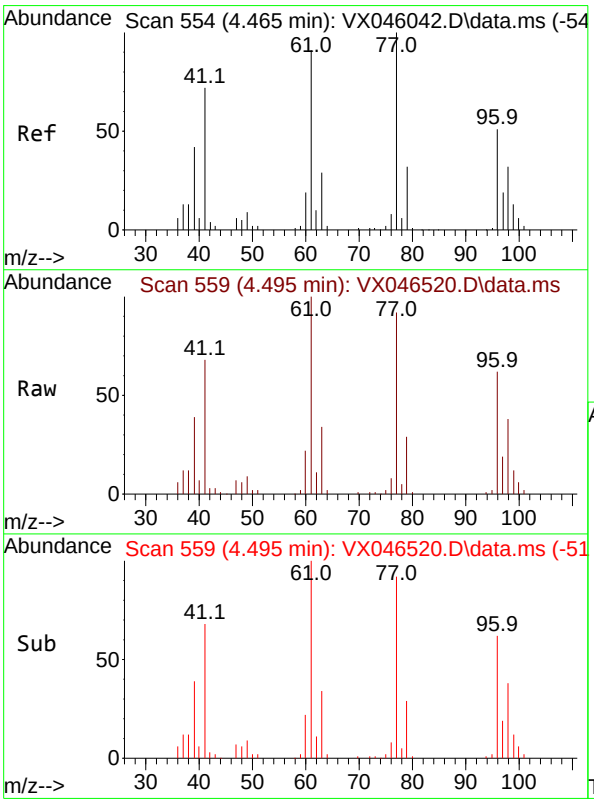
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

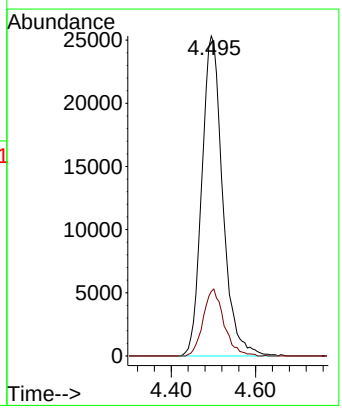
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

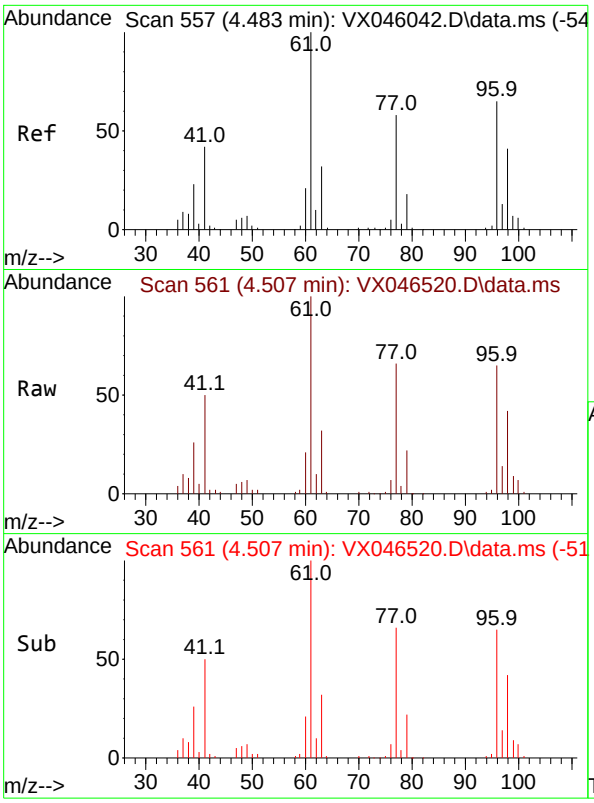


#26
2,2-Dichloropropane
Concen: 50.783 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 77 Resp: 87040

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5

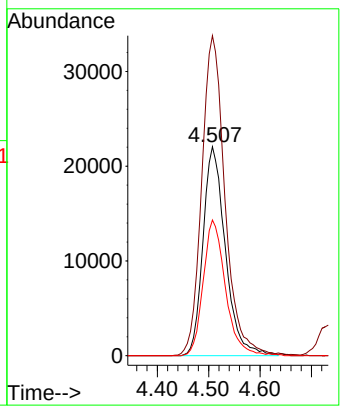




#27
cis-1,2-Dichloroethene
Concen: 47.898 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 96 Resp: 6676

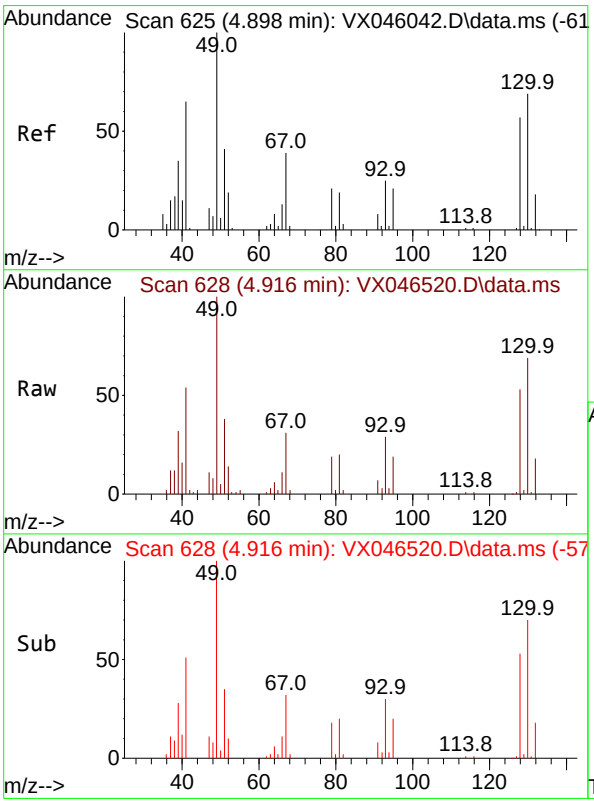
Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	322.8
98	64.6	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

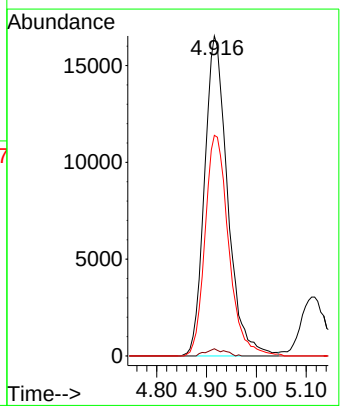
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

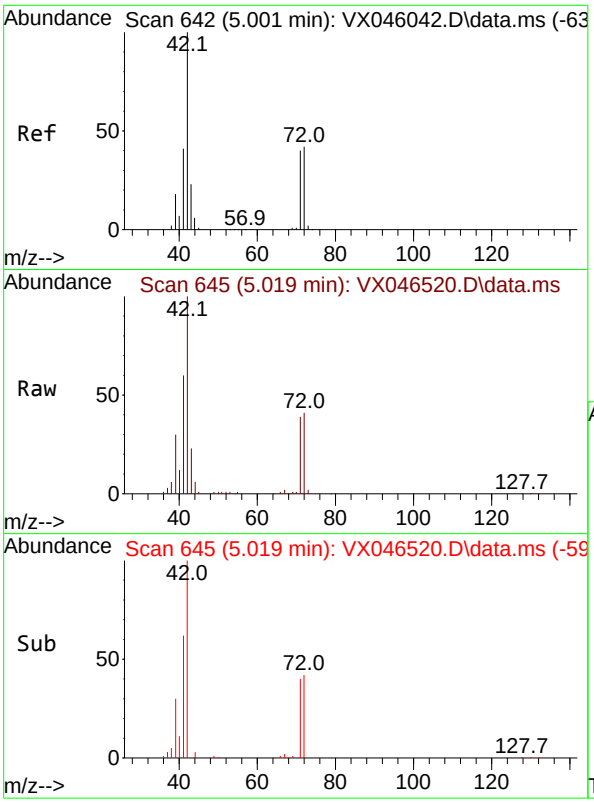


#28
Bromochloromethane
Concen: 48.273 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 49 Resp: 53158

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.5	56.2	84.2

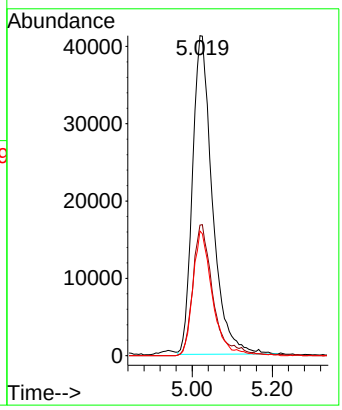




#29
Tetrahydrofuran
Concen: 252.427 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 42 Resp: 14227

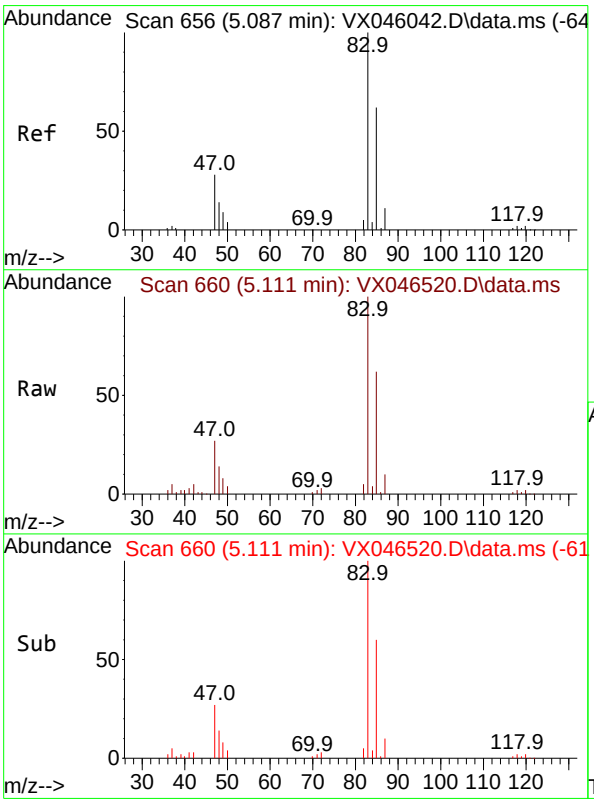
Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	38.5	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

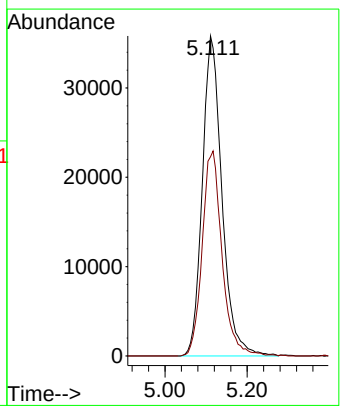
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

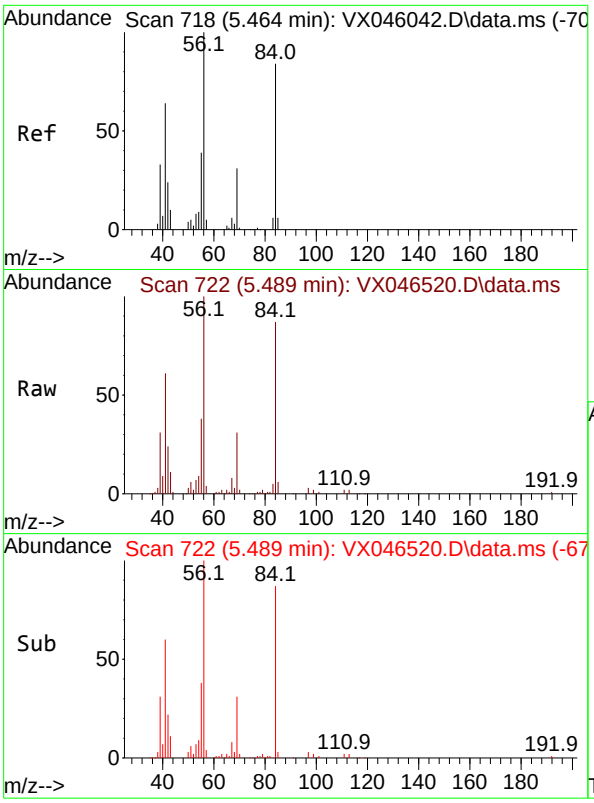


#30
Chloroform
Concen: 49.084 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 83 Resp: 118738

Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.3	73.9

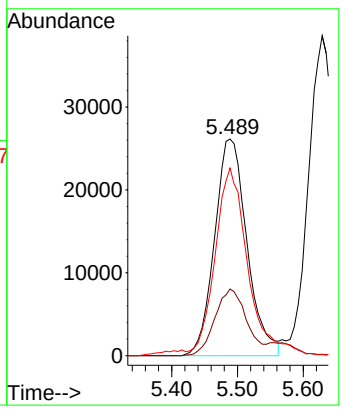




#31
Cyclohexane
Concen: 48.110 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 56 Resp: 8966

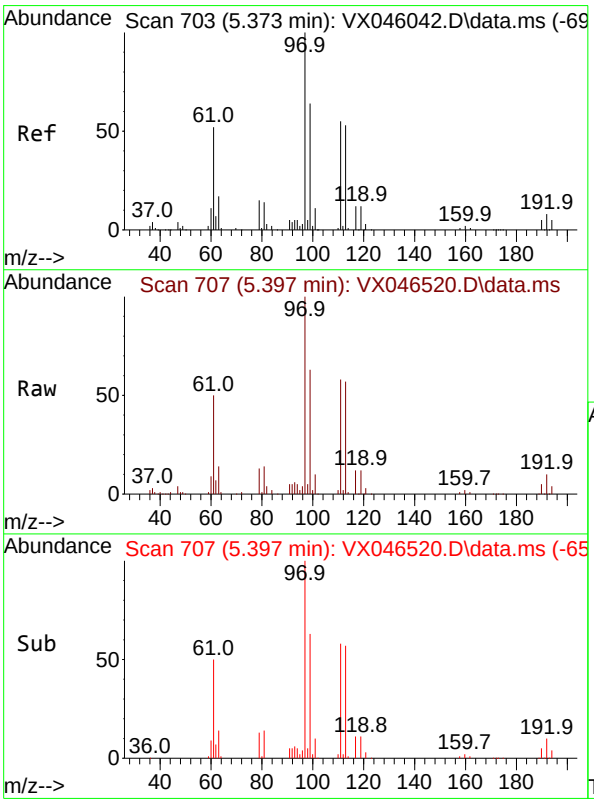
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	84.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

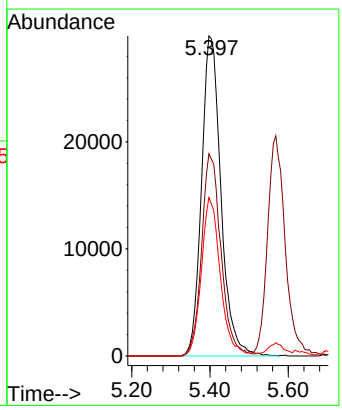
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

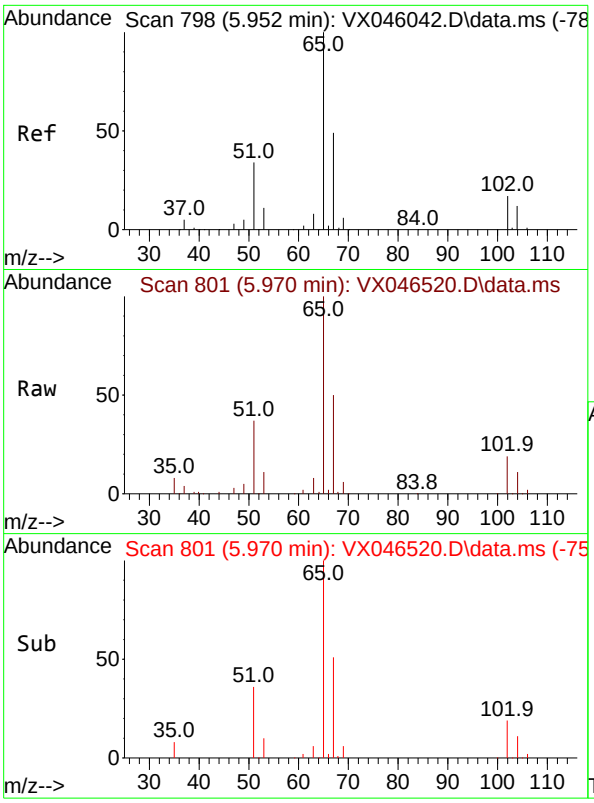


#32
1,1,1-Trichloroethane
Concen: 49.696 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 97 Resp: 102837

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	48.4	40.1	60.1

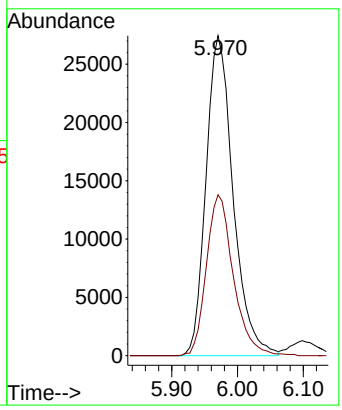




#33
1,2-Dichloroethane-d4
Concen: 49.092 ug/l
RT: 5.970 min Scan# 8(
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 65 Resp: 7870(

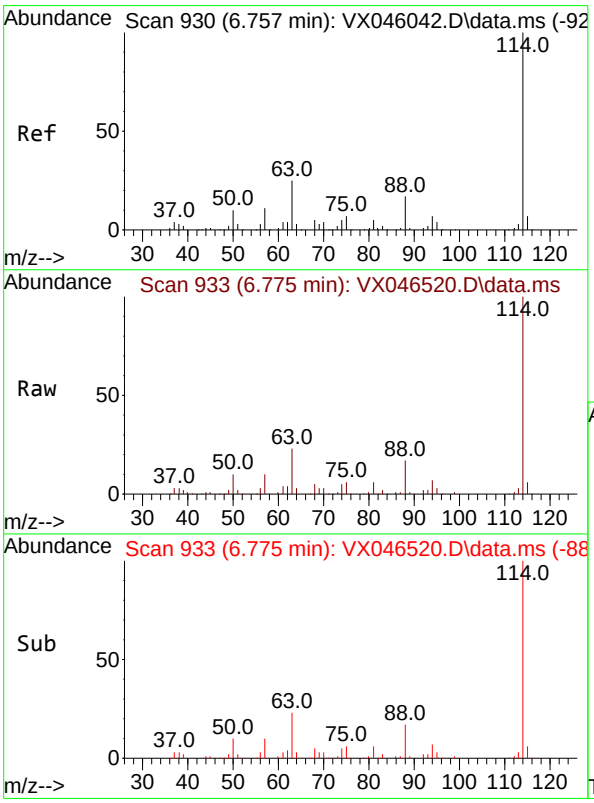
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

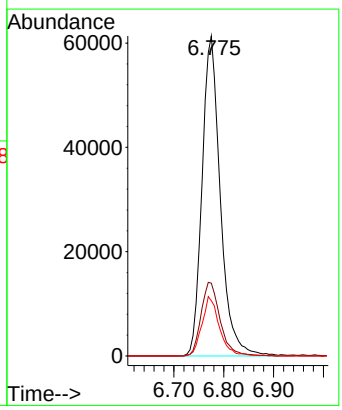
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

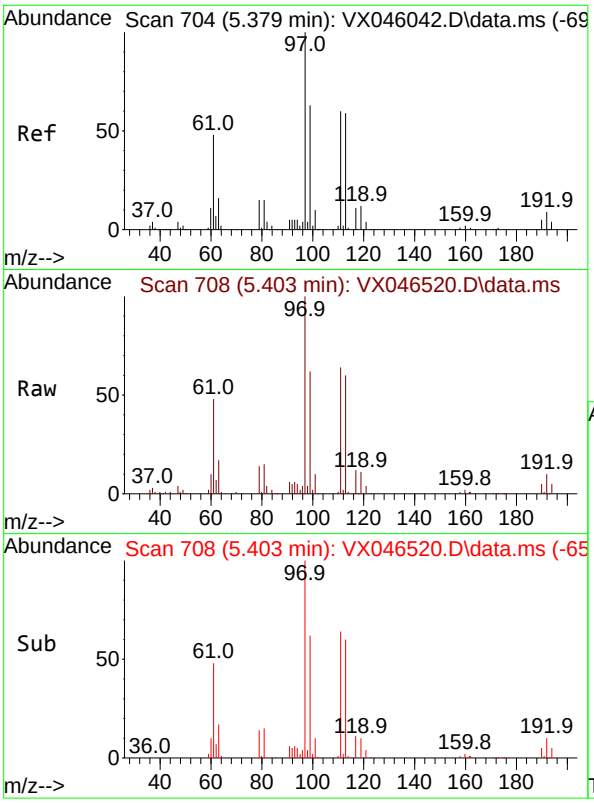


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:114 Resp: 156192

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	49.2
88	17.2	0.0	33.6

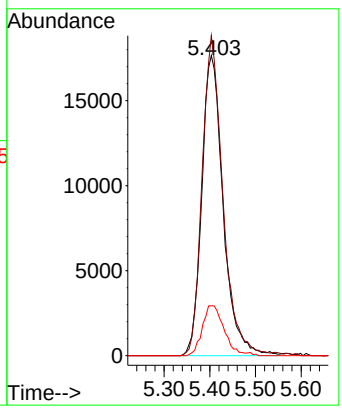




#35
Dibromofluoromethane
Concen: 49.986 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:113 Resp: 5741

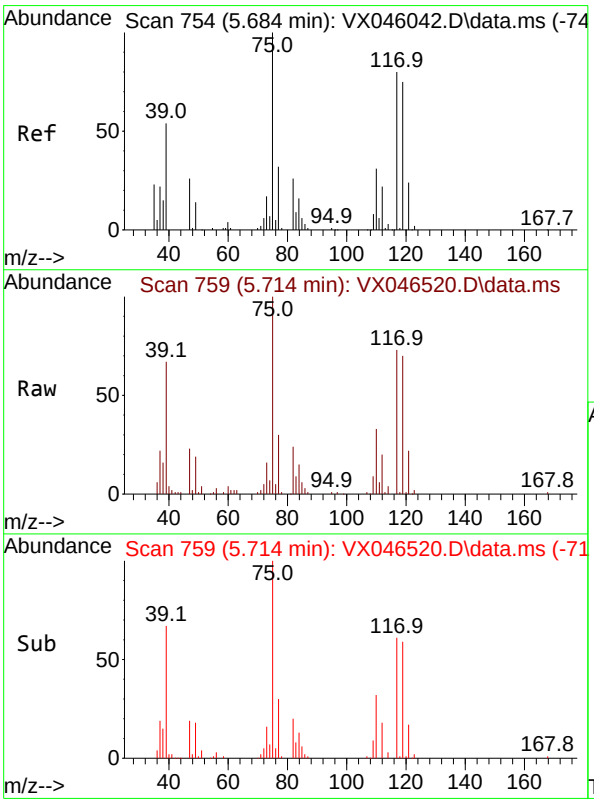
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	17.1	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

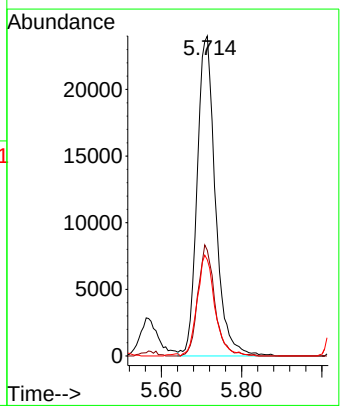
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

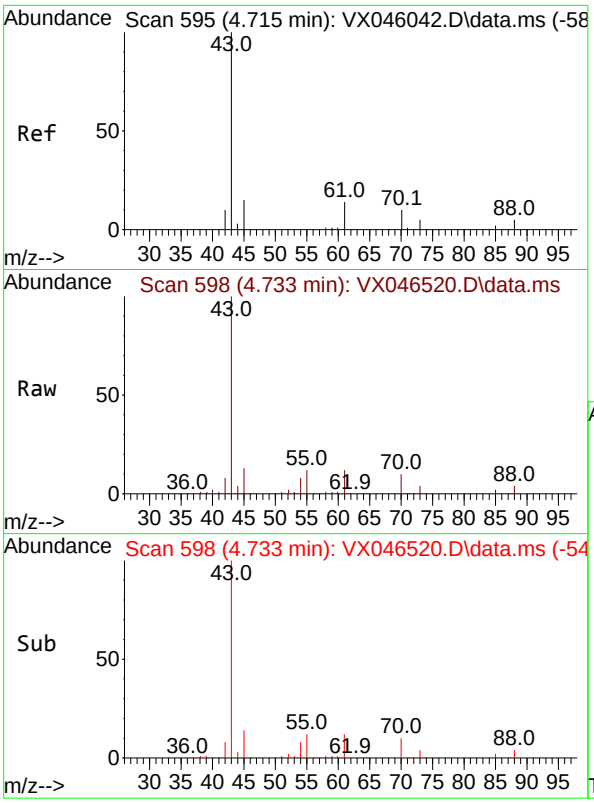


#36
1,1-Dichloropropene
Concen: 46.165 ug/l
RT: 5.714 min Scan# 759
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 75745

Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.3	48.9
77	30.8	24.3	36.5

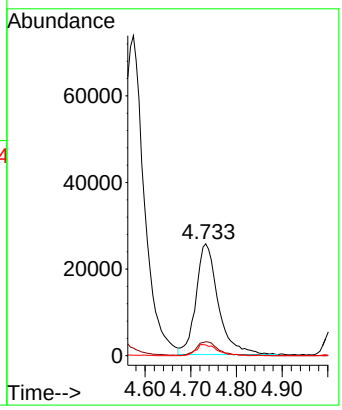




#37
Ethyl Acetate
Concen: 54.042 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 8652

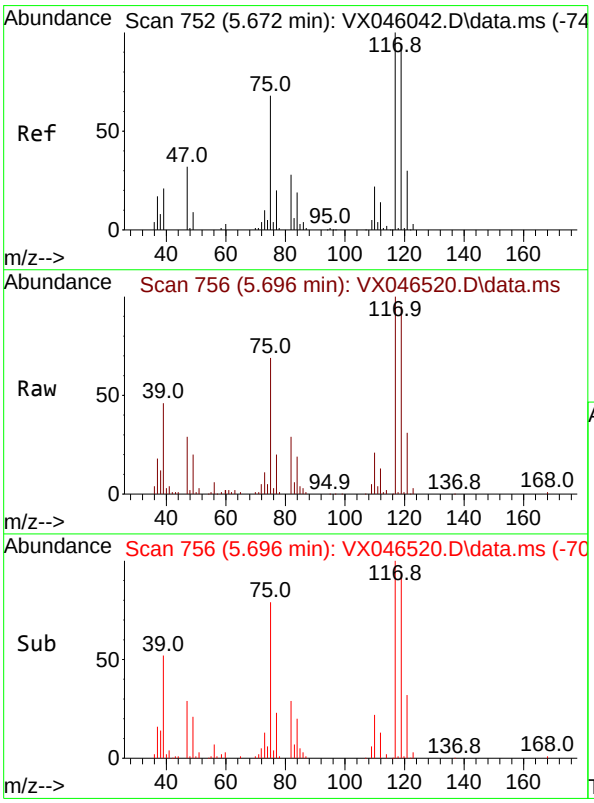
Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.3	15.5
70	9.7	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

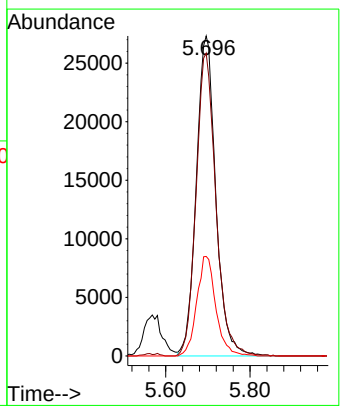
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

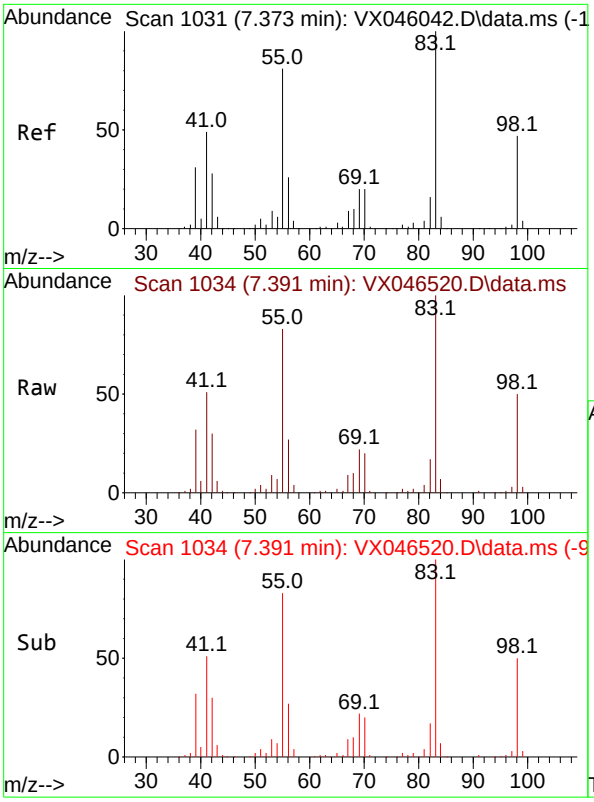


#38
Carbon Tetrachloride
Concen: 47.920 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:117 Resp: 88063

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.2	112.8
121	31.1	24.2	36.4

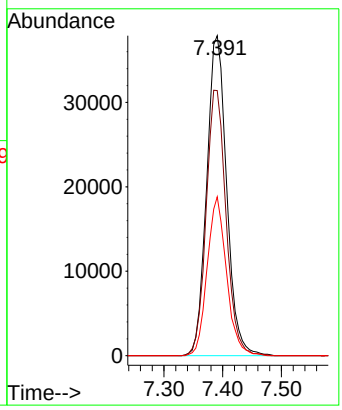




#39
Methylcyclohexane
Concen: 46.141 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 83 Resp: 8935

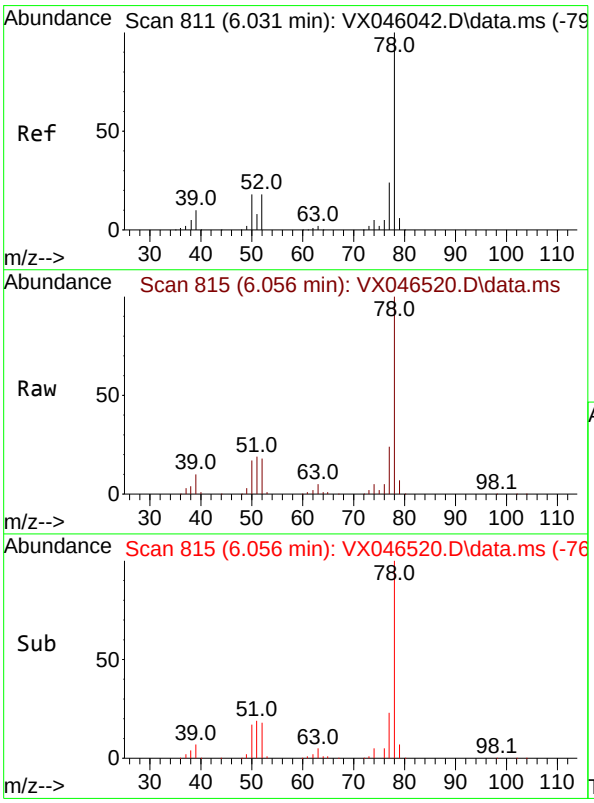
Ion	Ratio	Lower	Upper
83	100		
55	82.9	64.7	97.1
98	49.6	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

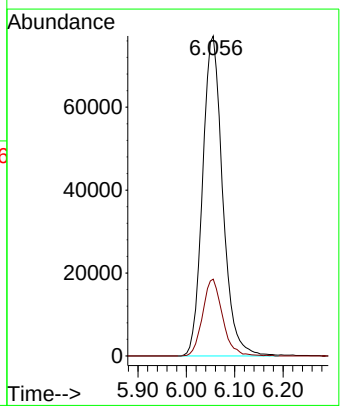
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

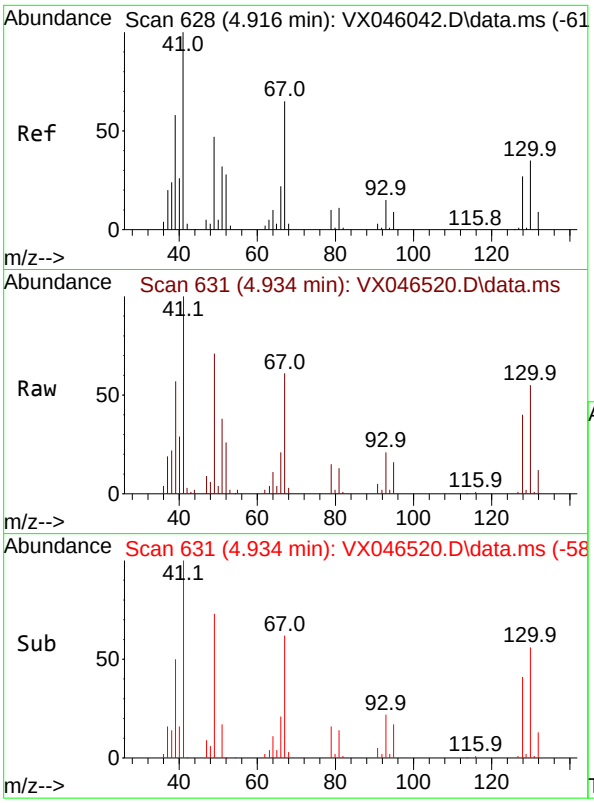


#40
Benzene
Concen: 48.257 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 78 Resp: 222898

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

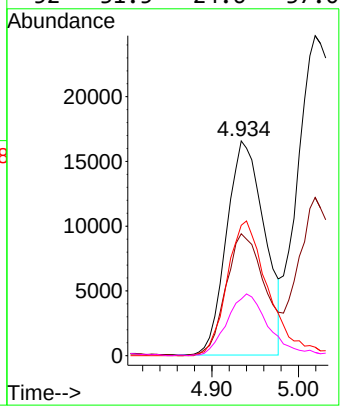




#41
Methacrylonitrile
Concen: 50.720 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 41 Resp: 5043

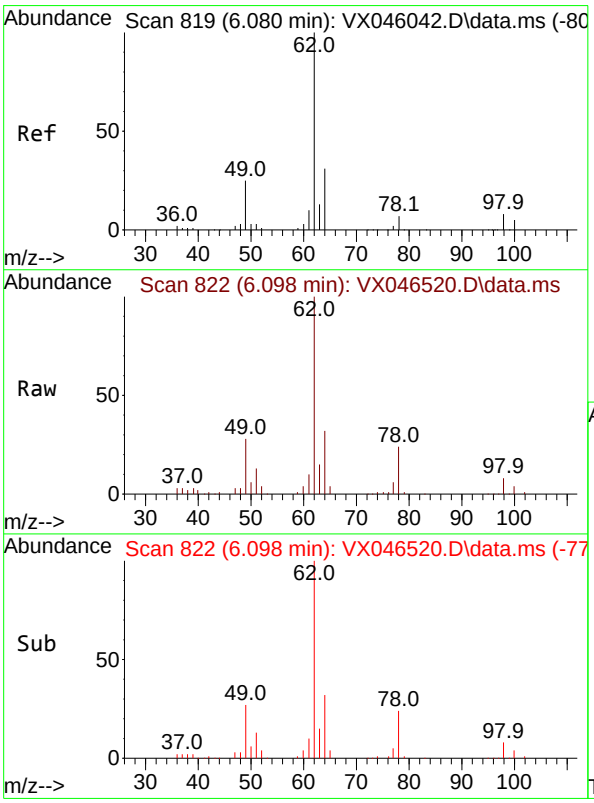
Ion	Ratio	Lower	Upper
41	100		
39	60.1	47.2	70.8
67	69.1	50.7	76.1
52	31.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

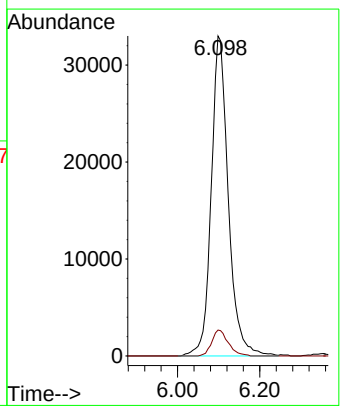
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

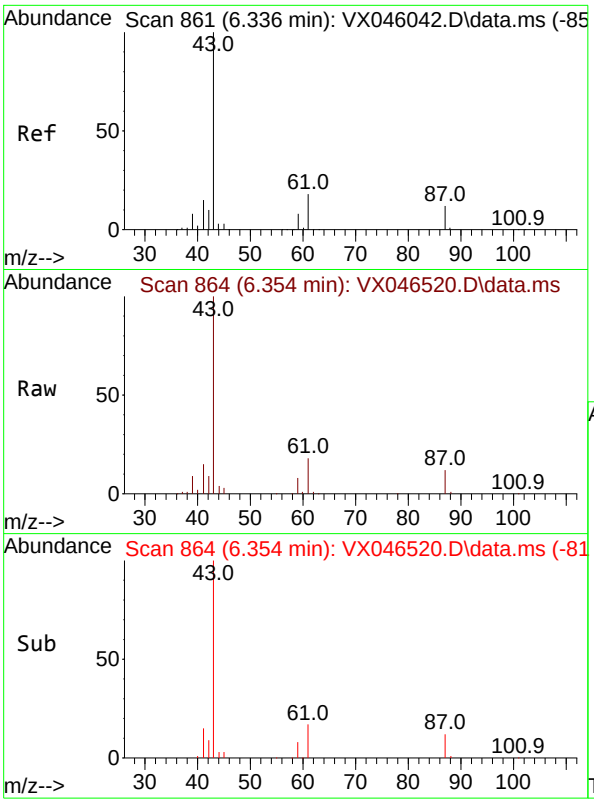


#42
1,2-Dichloroethane
Concen: 49.590 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 62 Resp: 95292

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2

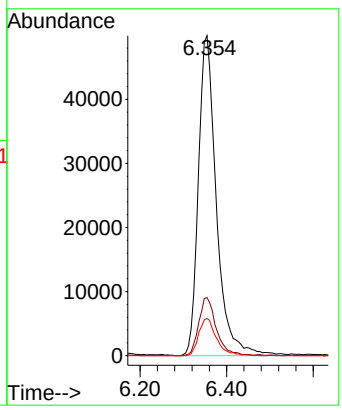




#43
Isopropyl Acetate
Concen: 51.653 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 14419

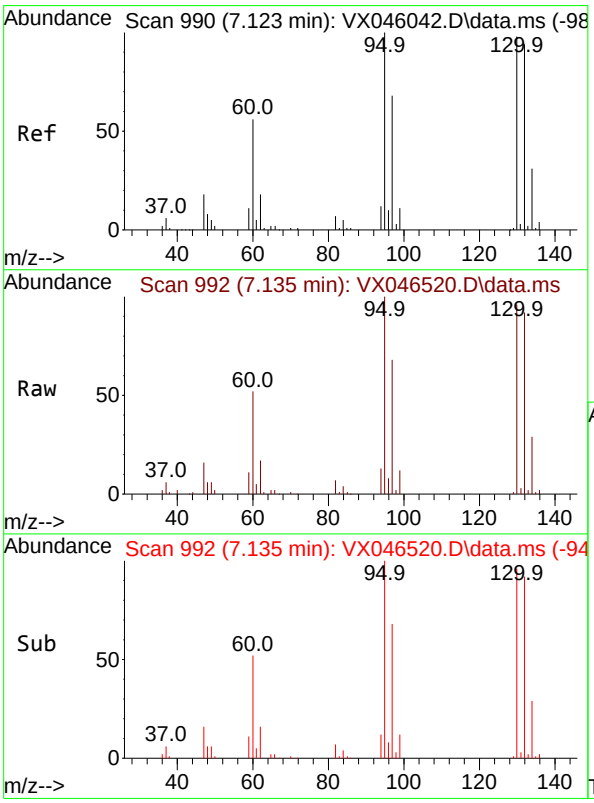
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.3	21.5
87	11.4	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

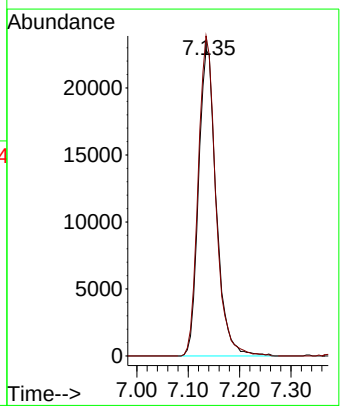
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

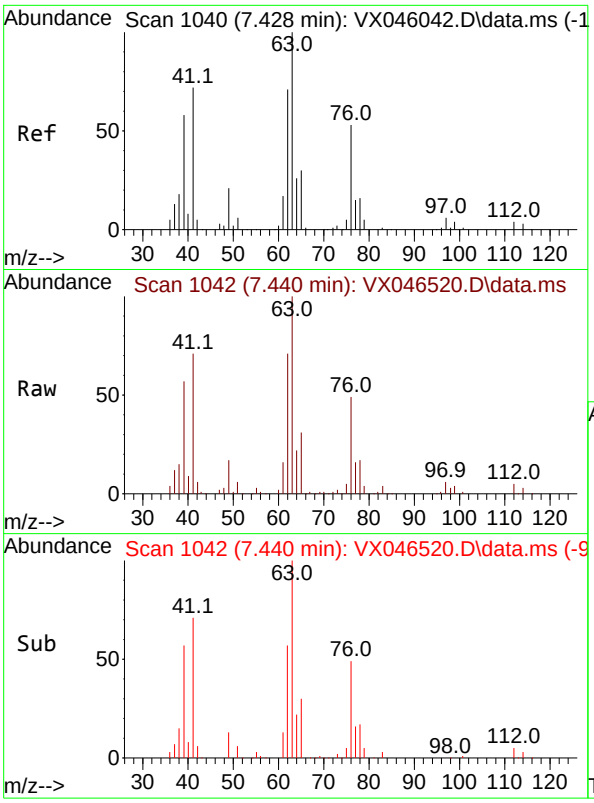


#44
Trichloroethene
Concen: 46.686 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:130 Resp: 54791

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	204.2

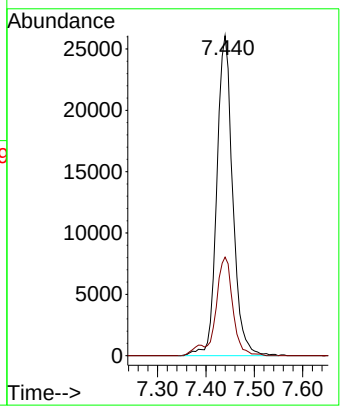




#45
1,2-Dichloropropane
Concen: 49.904 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 63 Resp: 5949

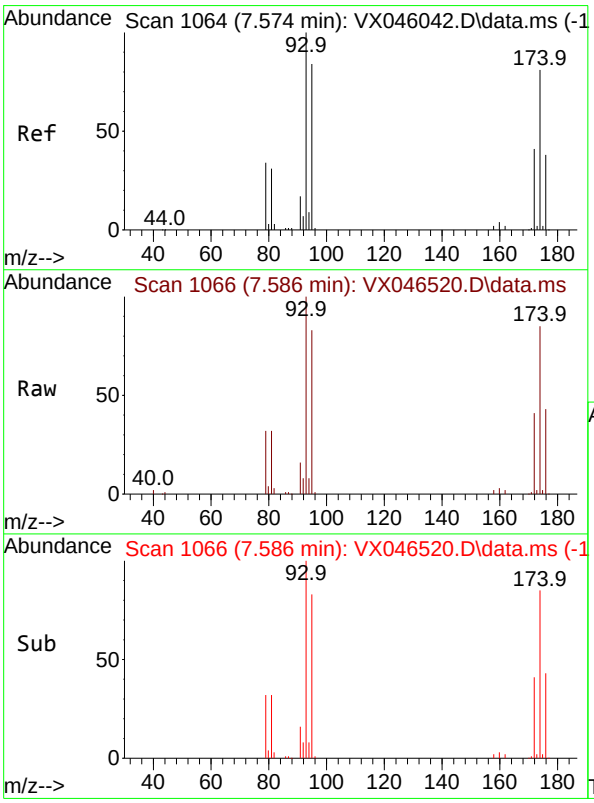
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

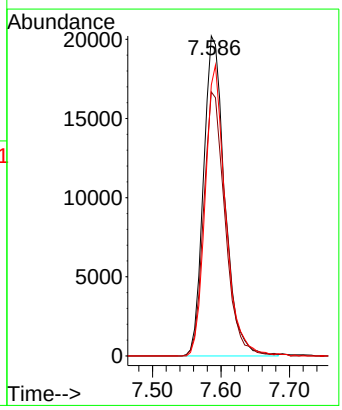
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

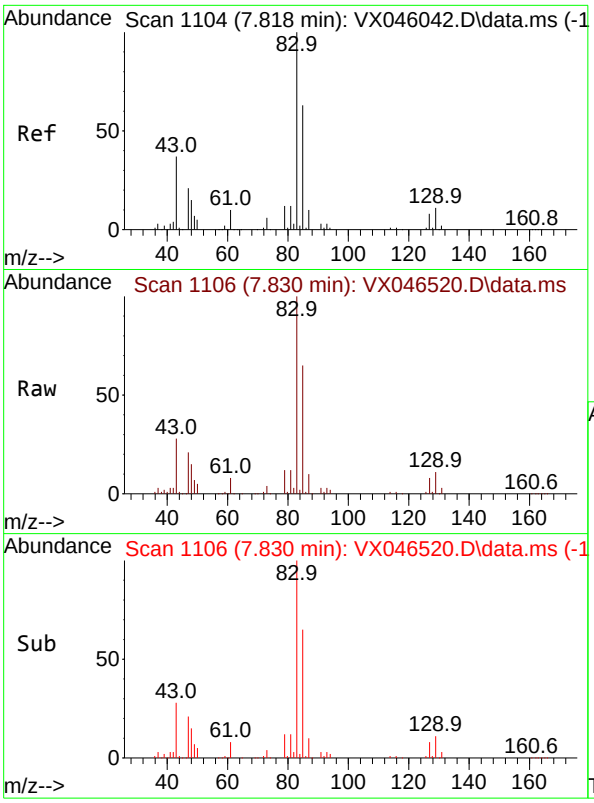


#46
Dibromomethane
Concen: 48.609 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 93 Resp: 43598

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.6	98.4
174	87.0	68.2	102.2

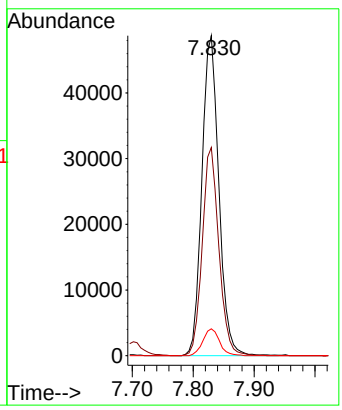




#47
Bromodichloromethane
Concen: 51.052 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 83 Resp: 9414

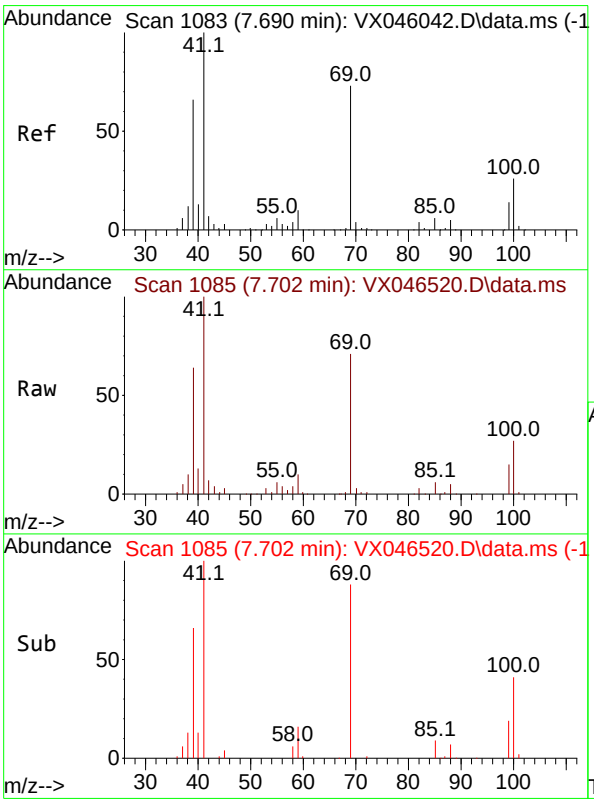
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.5	75.7
127	8.4	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

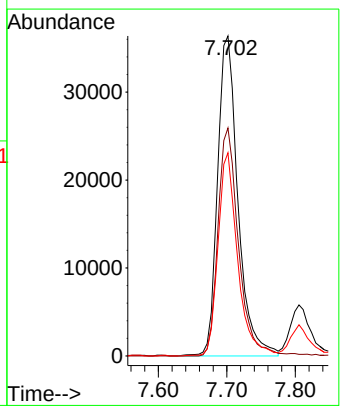
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

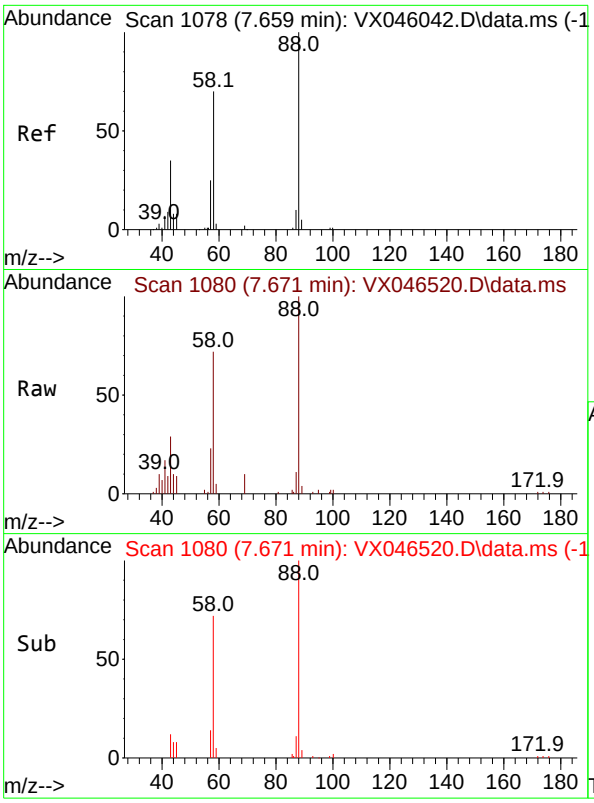


#48
Methyl methacrylate
Concen: 52.285 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 41 Resp: 75100

Ion	Ratio	Lower	Upper
41	100		
69	71.3	58.5	87.7
39	60.9	51.7	77.5

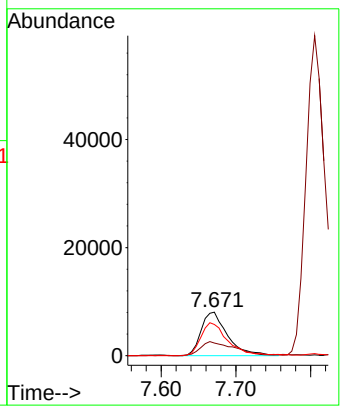




#49
1,4-Dioxane
Concen: 1031.079 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 88 Resp: 1980

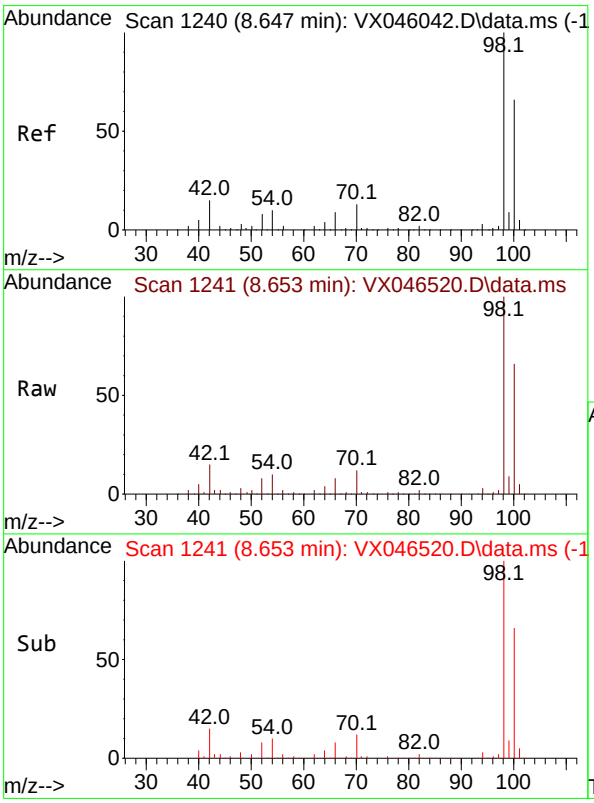
Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.4	50.2
58	76.4	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

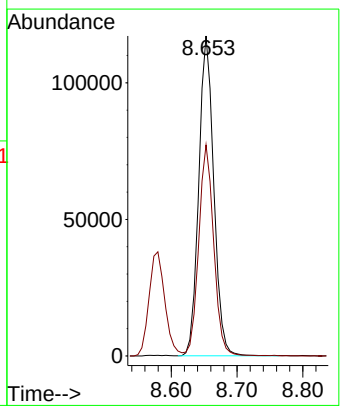
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

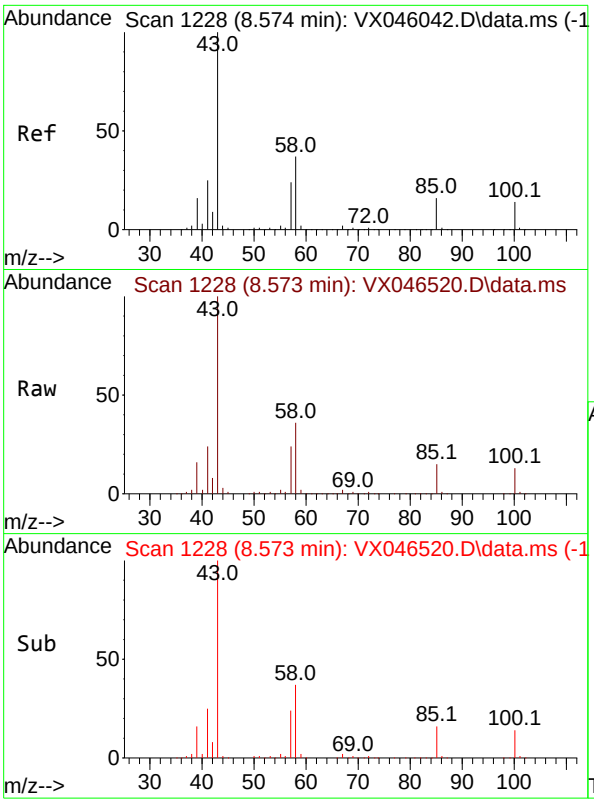


#50
Toluene-d8
Concen: 49.000 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 98 Resp: 185557

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3

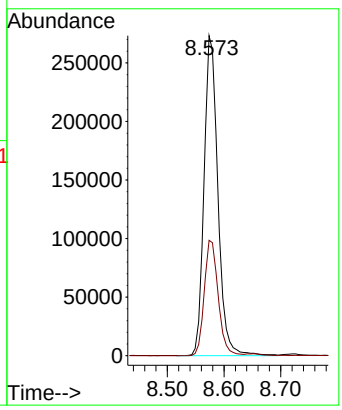




#51
4-Methyl-2-Pentanone
Concen: 260.948 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 46292

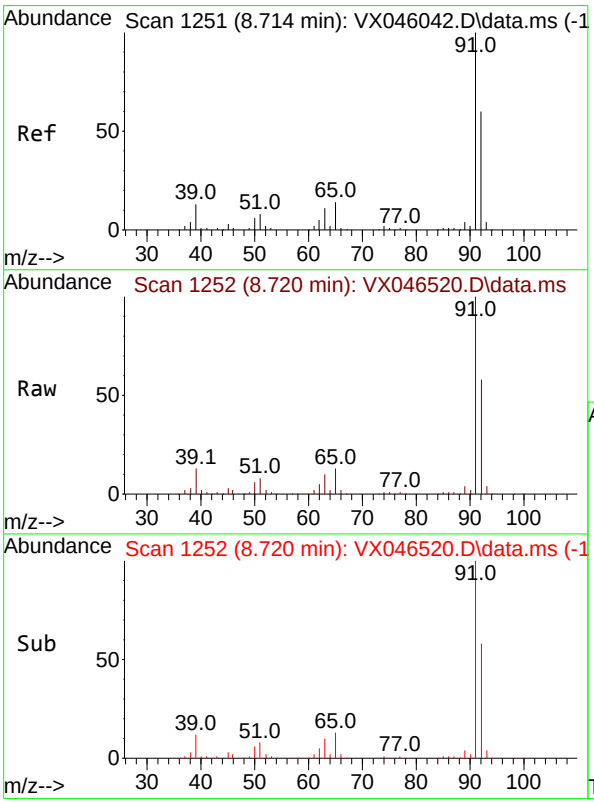
Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

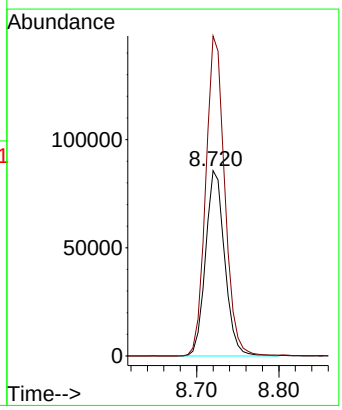
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

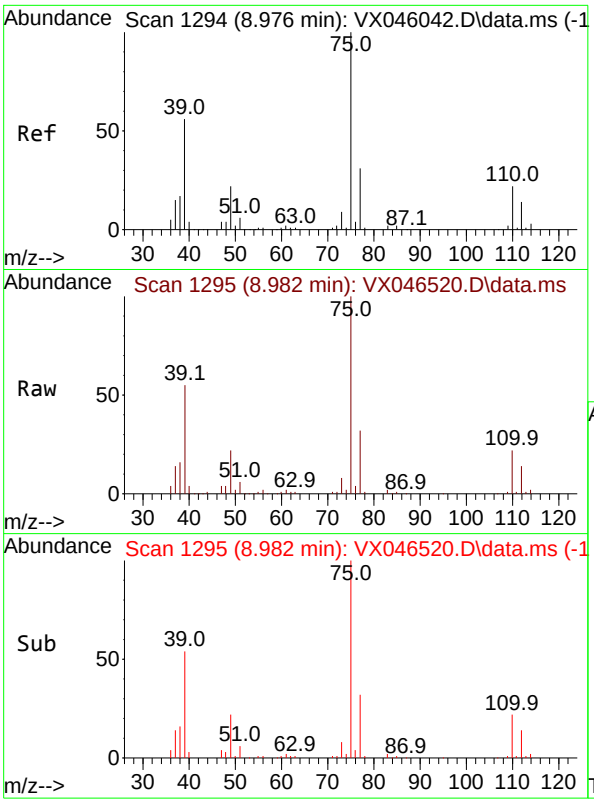


#52
Toluene
Concen: 48.677 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 92 Resp: 138129

Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.6	205.0

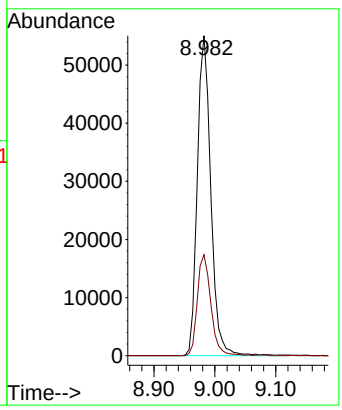




#53
t-1,3-Dichloropropene
Concen: 51.223 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 8469

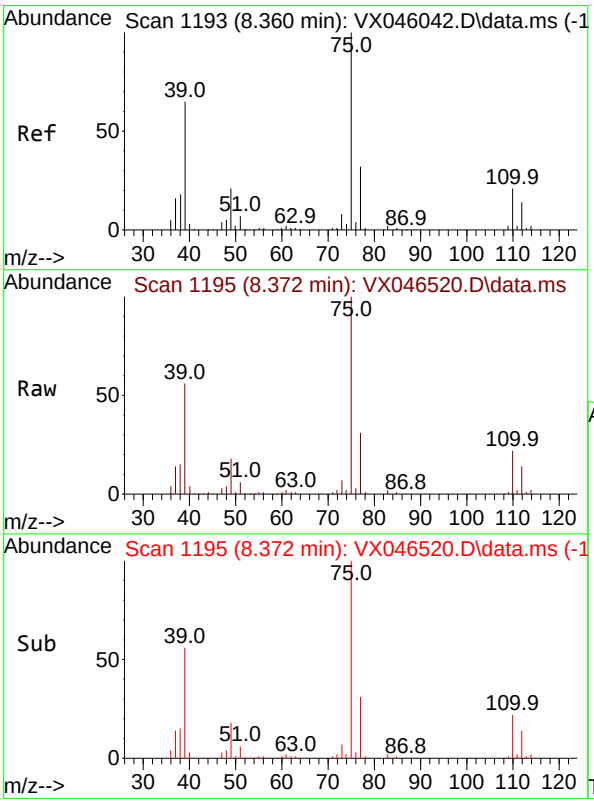
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

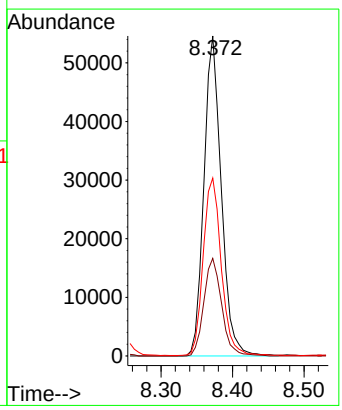
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

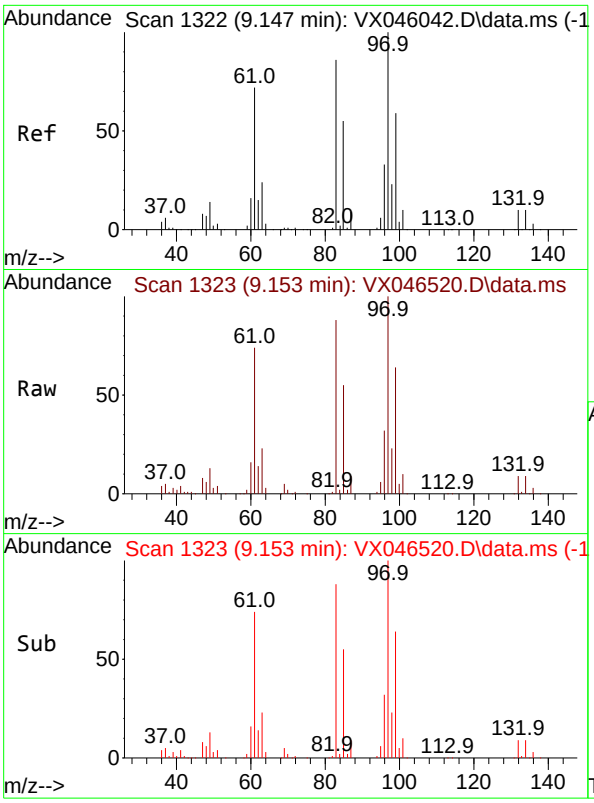


#54
cis-1,3-Dichloropropene
Concen: 50.089 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 92087

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0
39	55.4	52.2	78.4

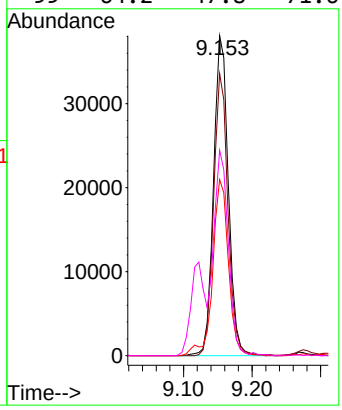




#55
1,1,2-Trichloroethane
Concen: 50.162 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 97 Resp: 5714

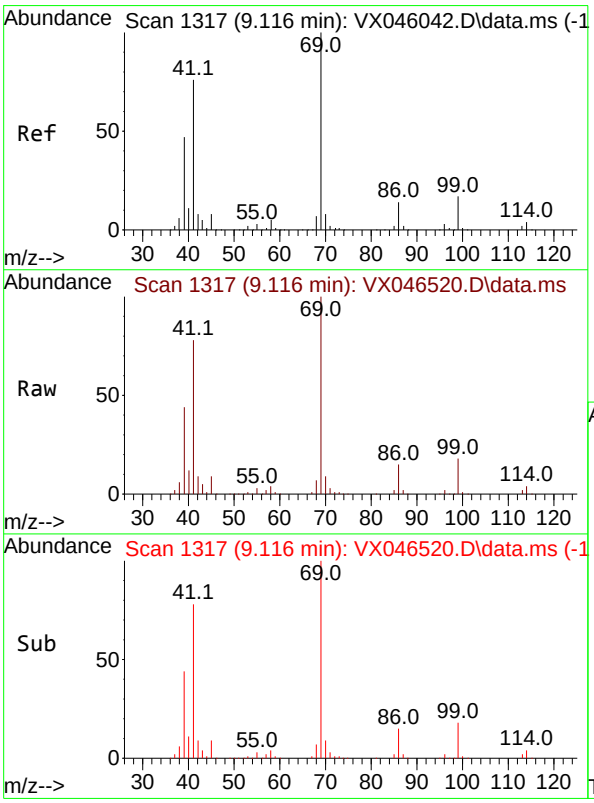
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.0	103.6
85	55.0	44.3	66.5
99	64.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

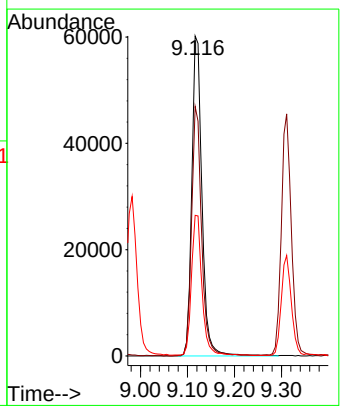
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

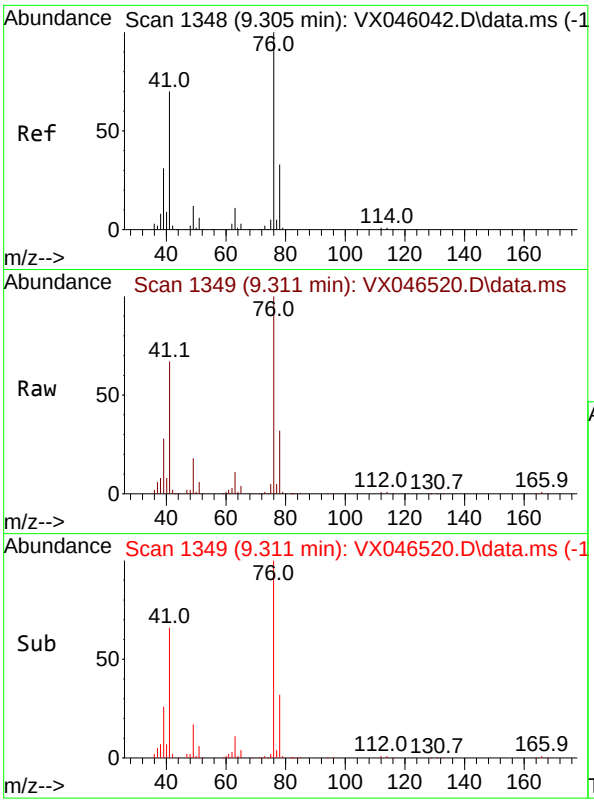


#56
Ethyl methacrylate
Concen: 51.943 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 69 Resp: 91058

Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.8	91.2
39	45.6	39.0	58.6

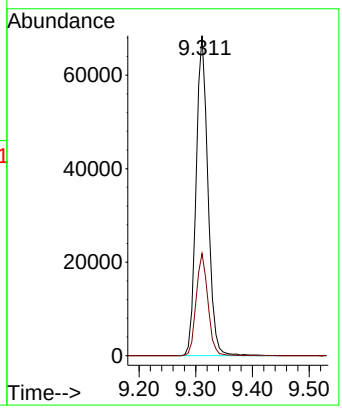




#57
1,3-Dichloropropane
Concen: 49.312 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 76 Resp: 9927

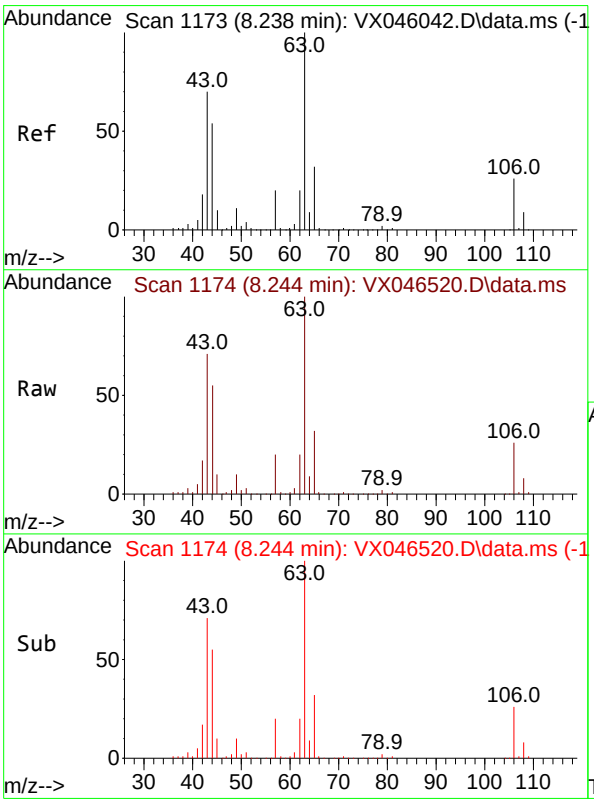
Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

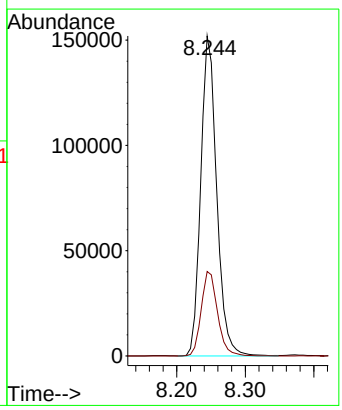
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

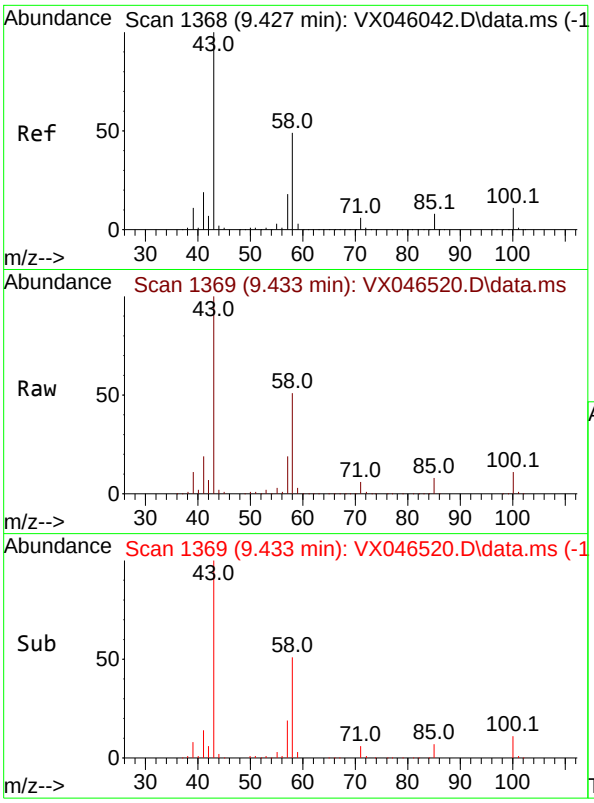


#58
2-Chloroethyl Vinyl ether
Concen: 258.184 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 63 Resp: 246532

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3

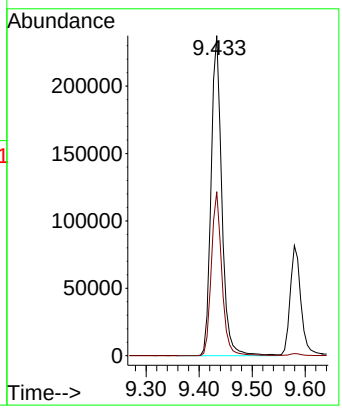




#59
2-Hexanone
Concen: 261.746 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 33301

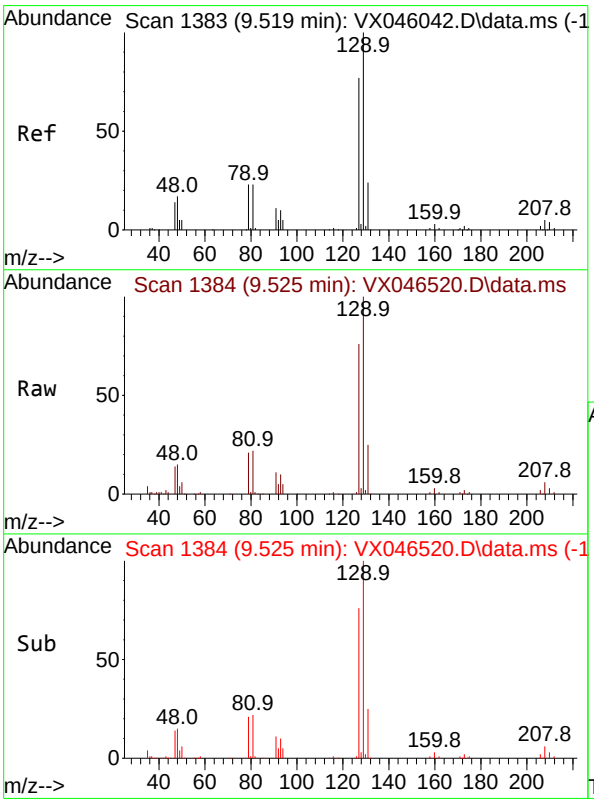
Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

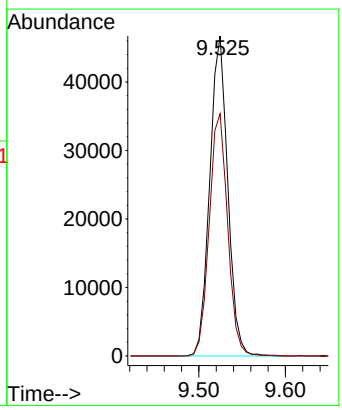
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

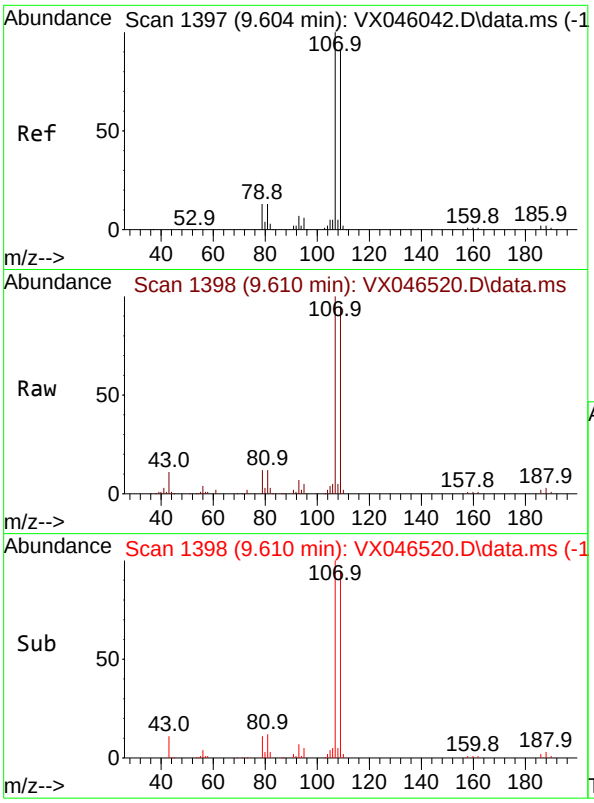


#60
Dibromochloromethane
Concen: 50.307 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:129 Resp: 67410

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8

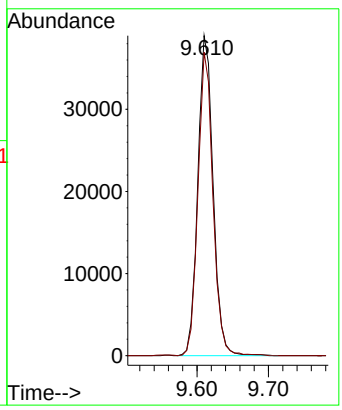




#61
1,2-Dibromoethane
Concen: 48.669 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:107 Resp: 5777

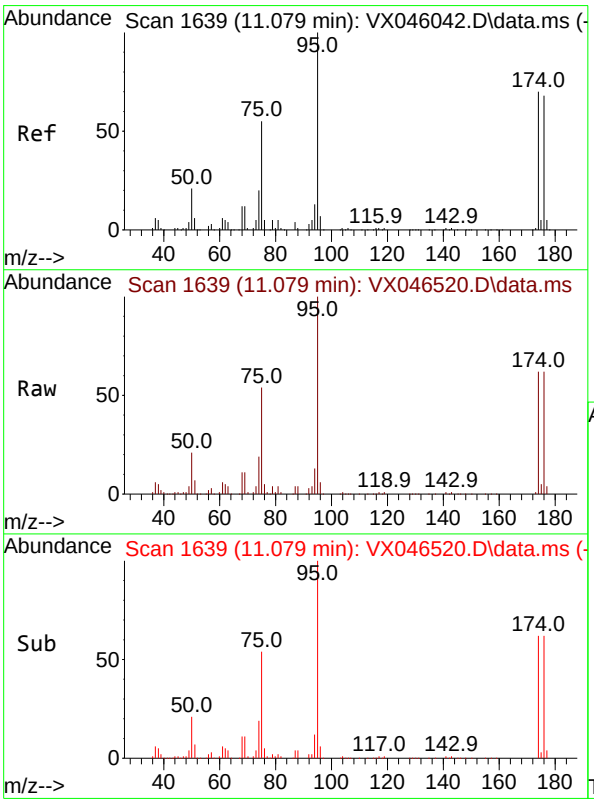
Ion	Ratio	Lower	Upper
107	100		
109	93.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

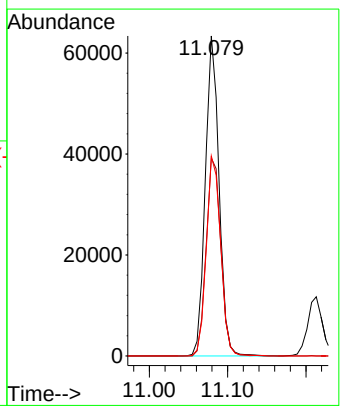
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

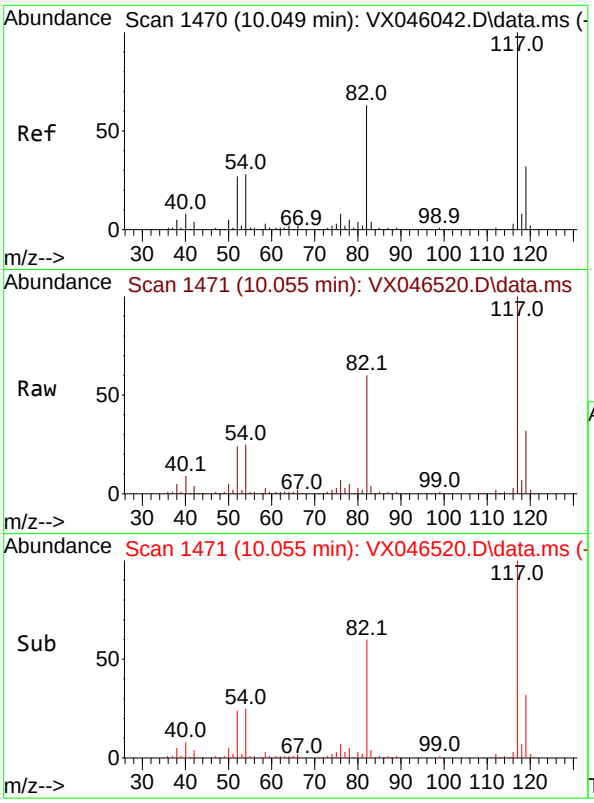


#62
4-Bromofluorobenzene
Concen: 49.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 95 Resp: 76988

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	65.3	0.0	131.4

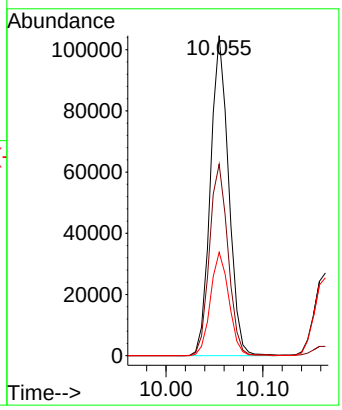




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:117 Resp: 13656

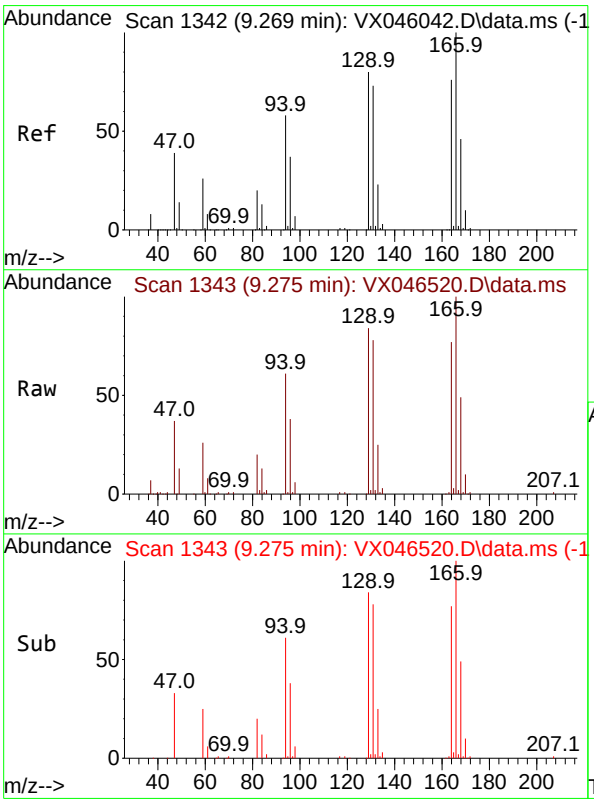
Ion	Ratio	Lower	Upper
117	100		
82	59.9	50.6	76.0
119	32.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

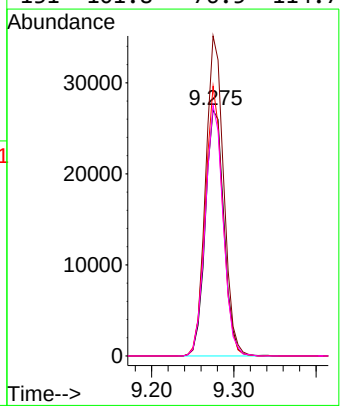
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

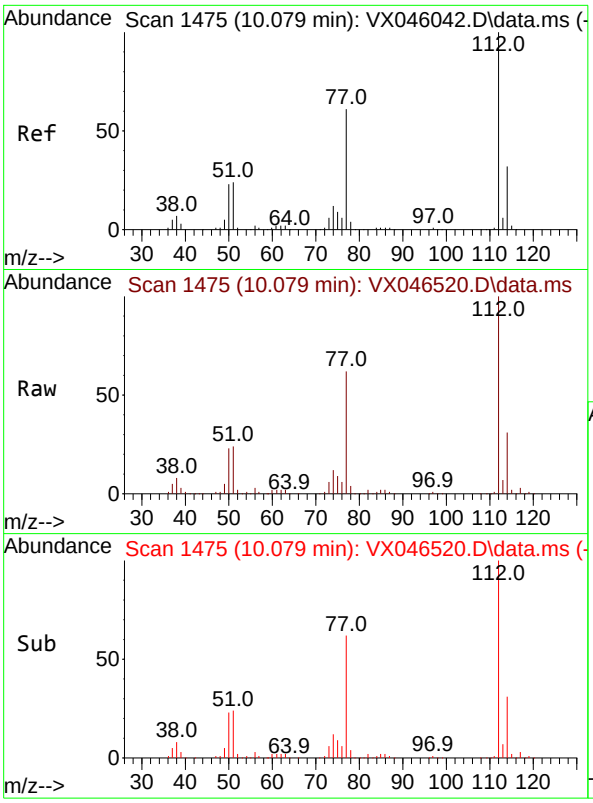


#64
Tetrachloroethene
Concen: 46.308 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:164 Resp: 42288

Ion	Ratio	Lower	Upper
164	100		
166	130.2	105.0	157.6
129	109.7	83.5	125.3
131	101.8	76.5	114.7

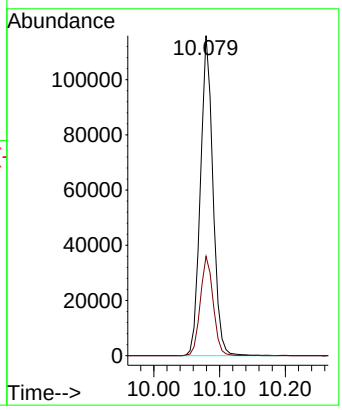




#65
Chlorobenzene
Concen: 47.857 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:112 Resp: 15371

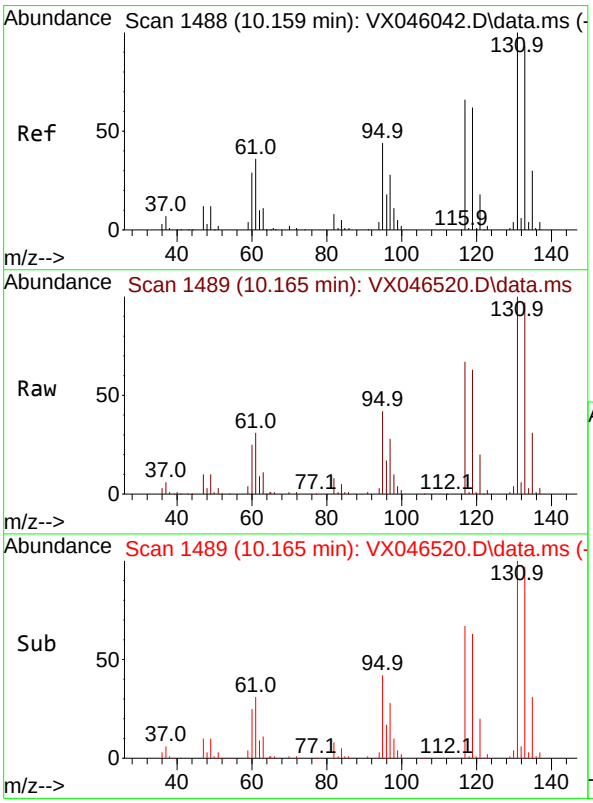
Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

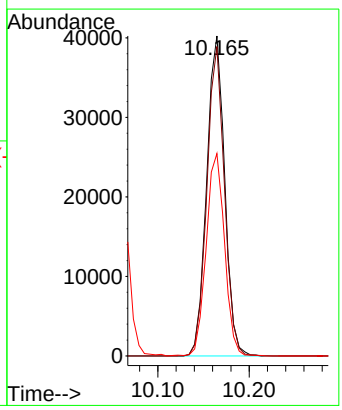
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

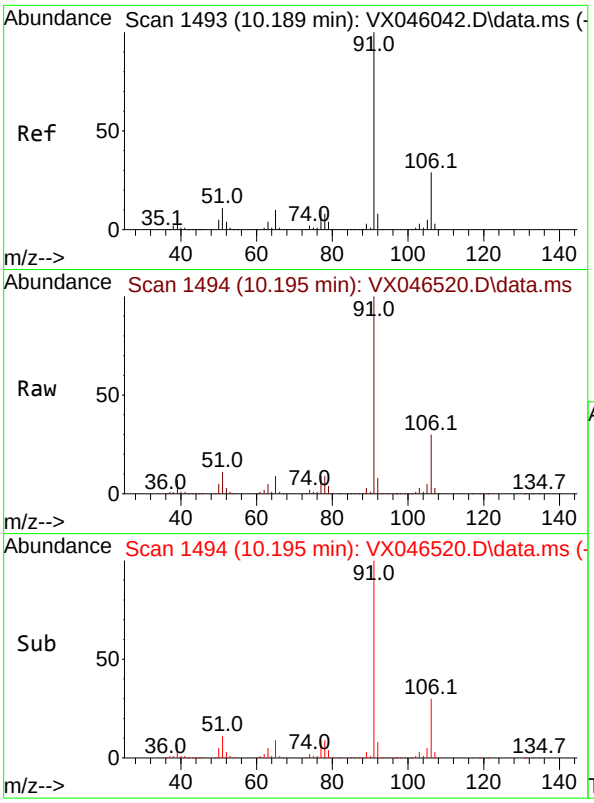


#66
1,1,1,2-Tetrachloroethane
Concen: 50.666 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:131 Resp: 54990

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	141.9
119	64.4	31.6	95.0

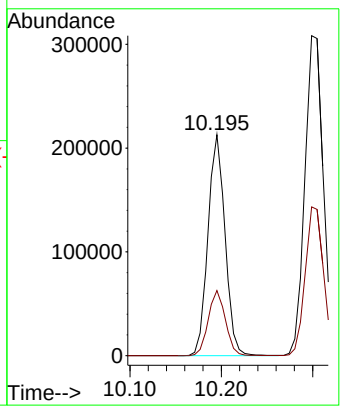




#67
Ethyl Benzene
Concen: 49.157 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 91 Resp: 27562

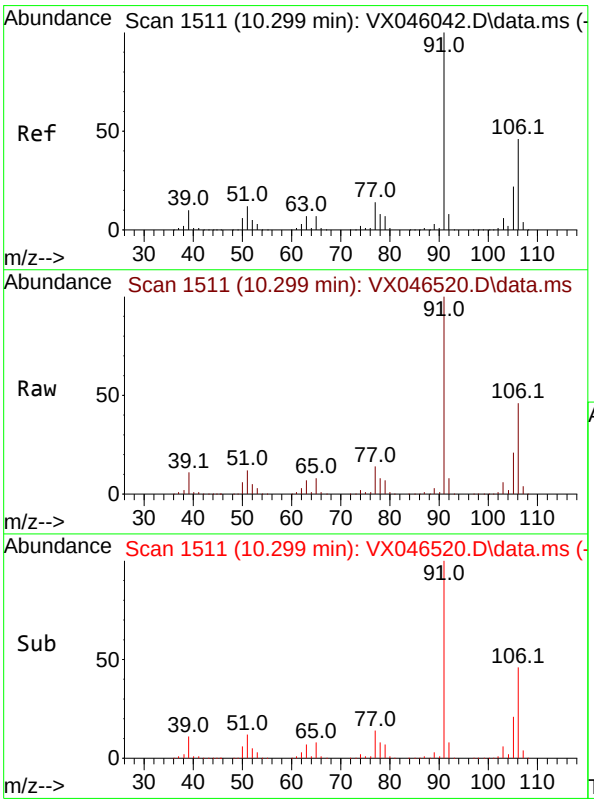
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

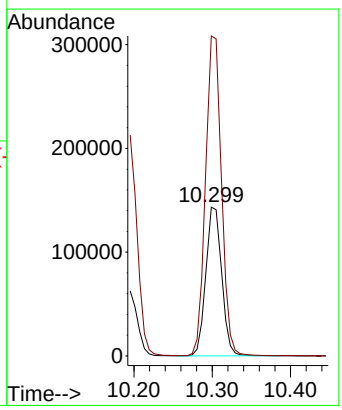
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

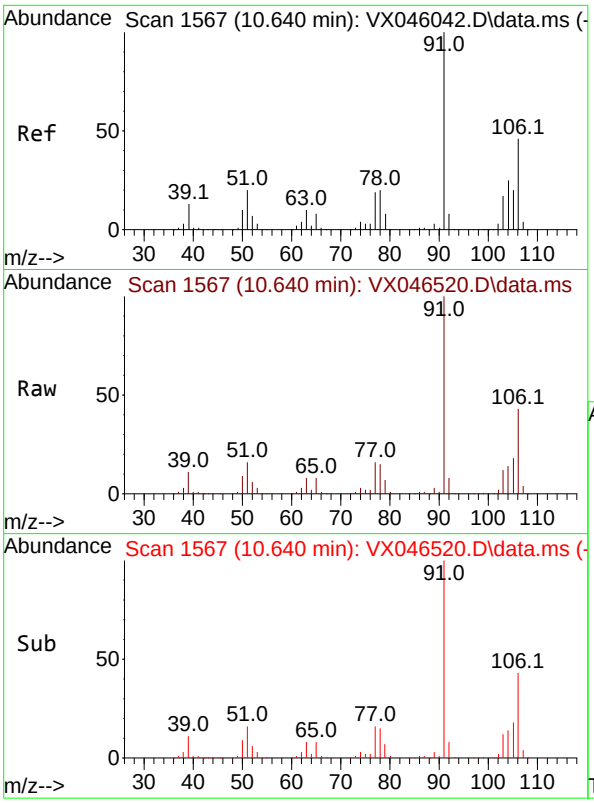


#68
m/p-Xylenes
Concen: 98.982 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:106 Resp: 201325

Ion	Ratio	Lower	Upper
106	100		
91	216.3	171.2	256.8

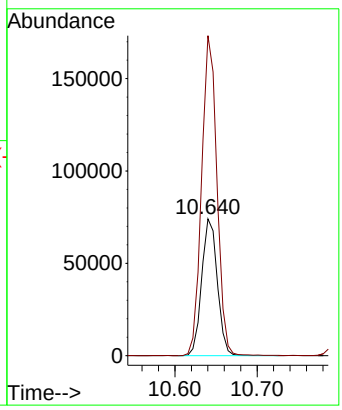




#69
o-Xylene
Concen: 49.696 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:106 Resp: 9776

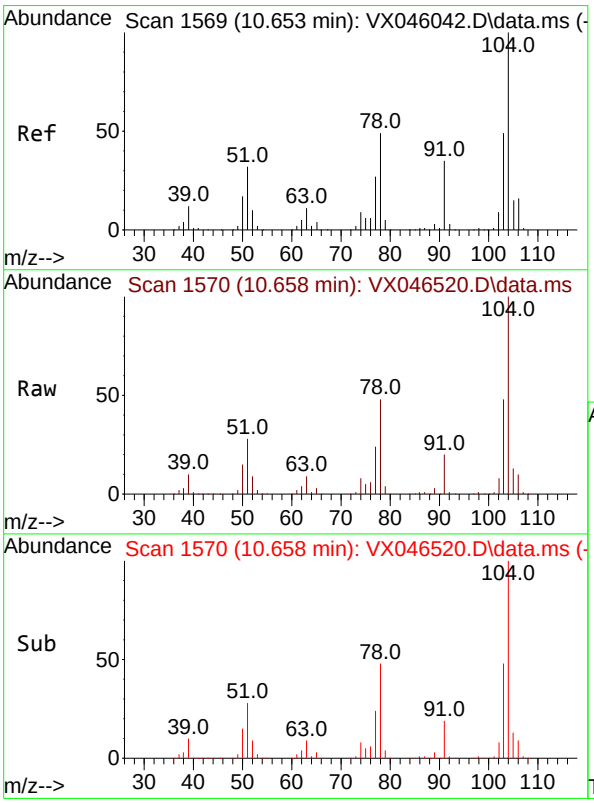
Ion	Ratio	Lower	Upper
106	100		
91	229.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

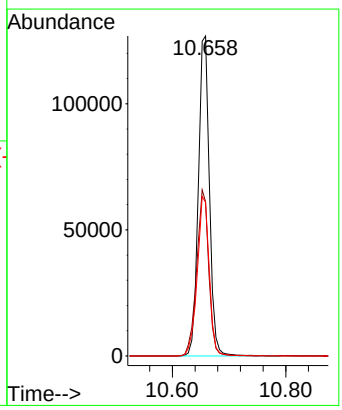
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

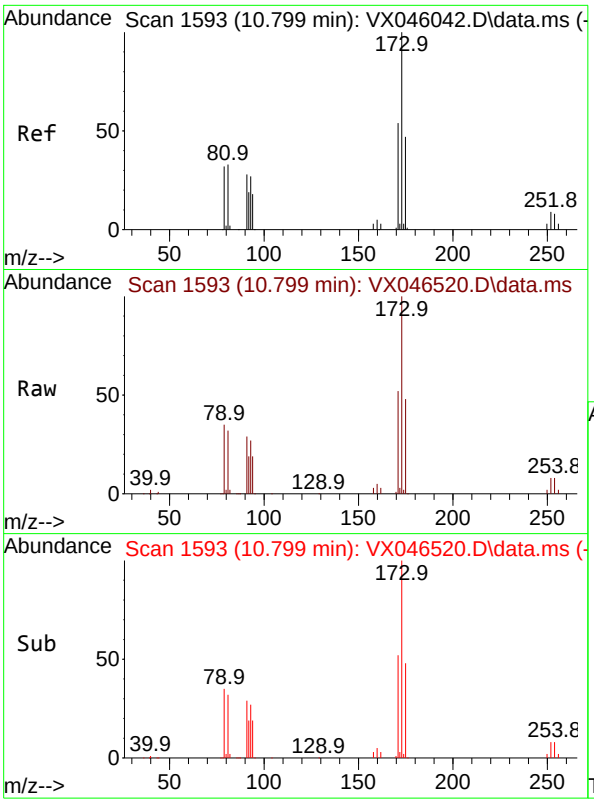


#70
Styrene
Concen: 50.968 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:104 Resp: 171642

Ion	Ratio	Lower	Upper
104	100		
78	56.6	45.7	68.5
103	54.2	43.7	65.5

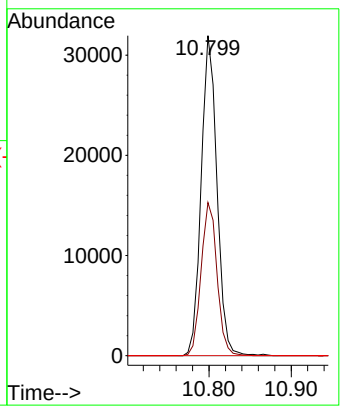




#71
Bromoform
Concen: 51.382 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:173 Resp: 4252

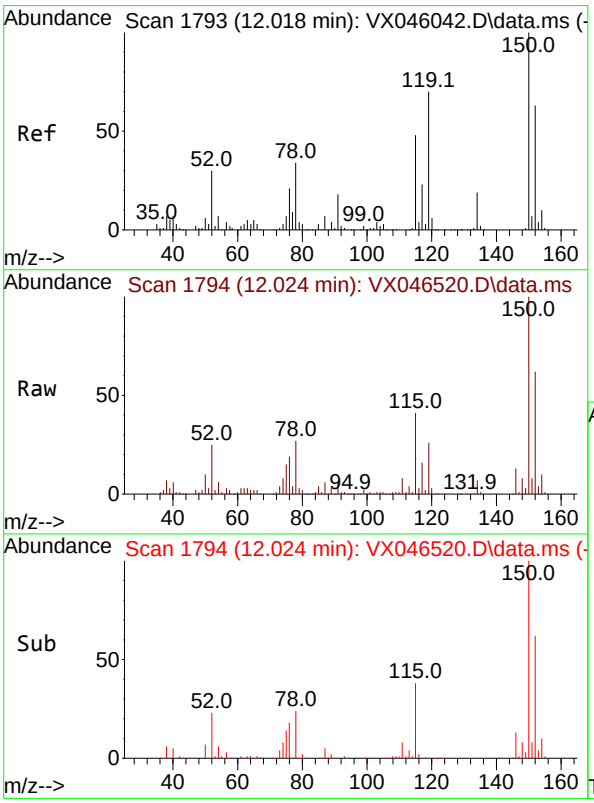
Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

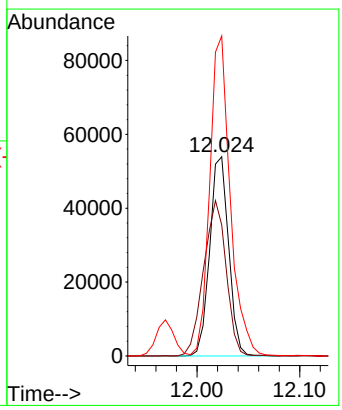
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

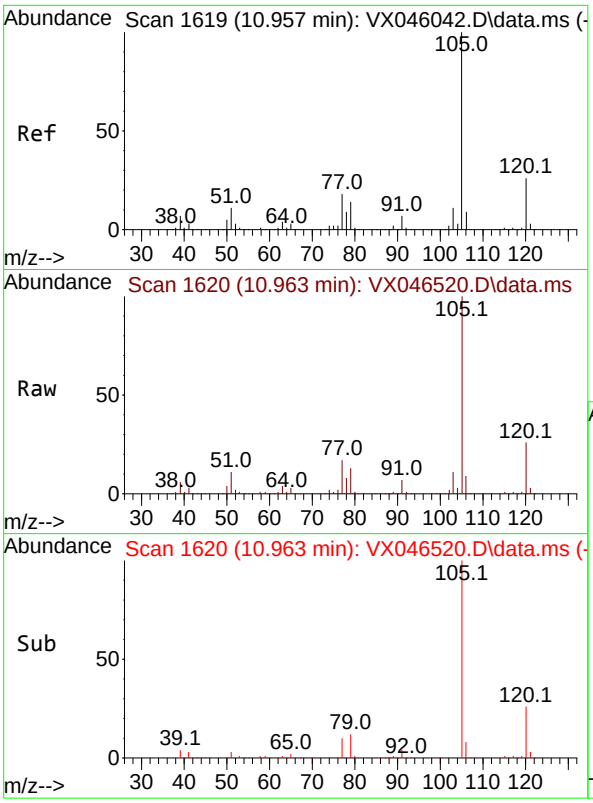


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:152 Resp: 68831

Ion	Ratio	Lower	Upper
152	100		
115	92.9	46.9	140.7
150	173.7	0.0	351.0





#73
Isopropylbenzene
Concen: 49.729 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

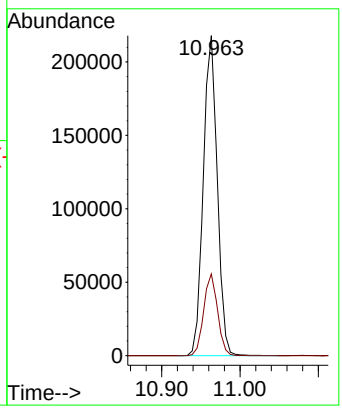
Tgt Ion:105 Resp: 26907

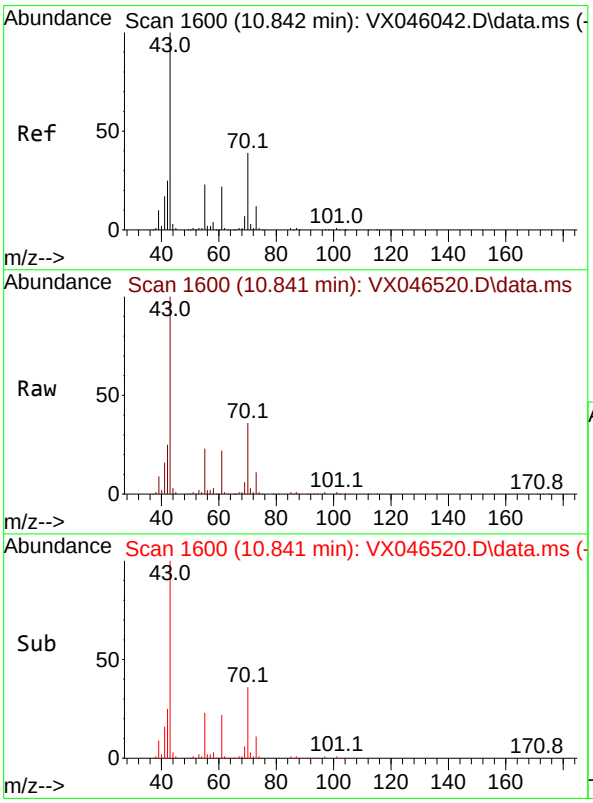
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

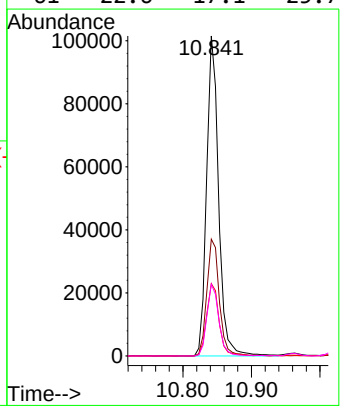


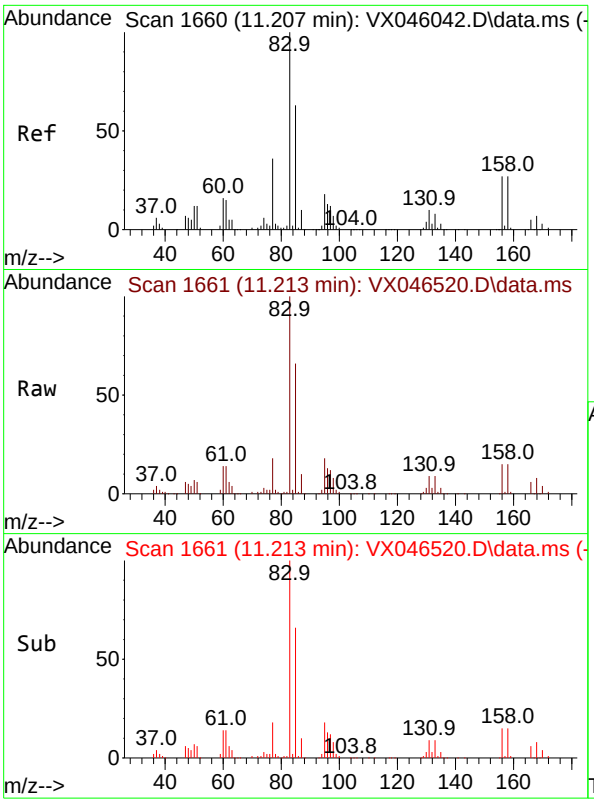


#74
N-amyl acetate
Concen: 52.072 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 43 Resp: 124077

Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.9	46.3
55	23.5	18.7	28.1
61	22.6	17.1	25.7

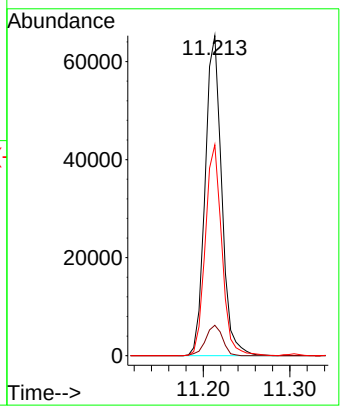




#75
1,1,2,2-Tetrachloroethane
Concen: 49.967 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 83 Resp: 8653

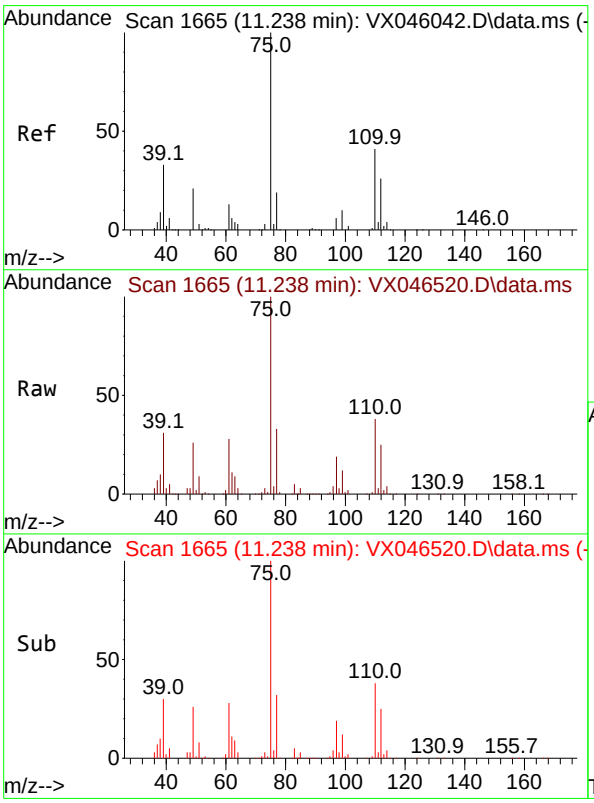
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

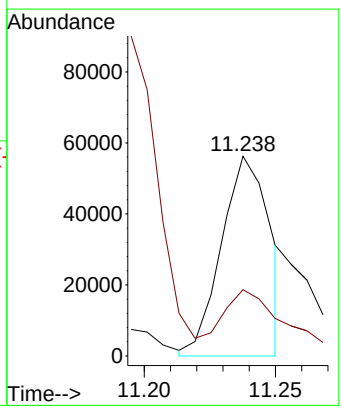
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

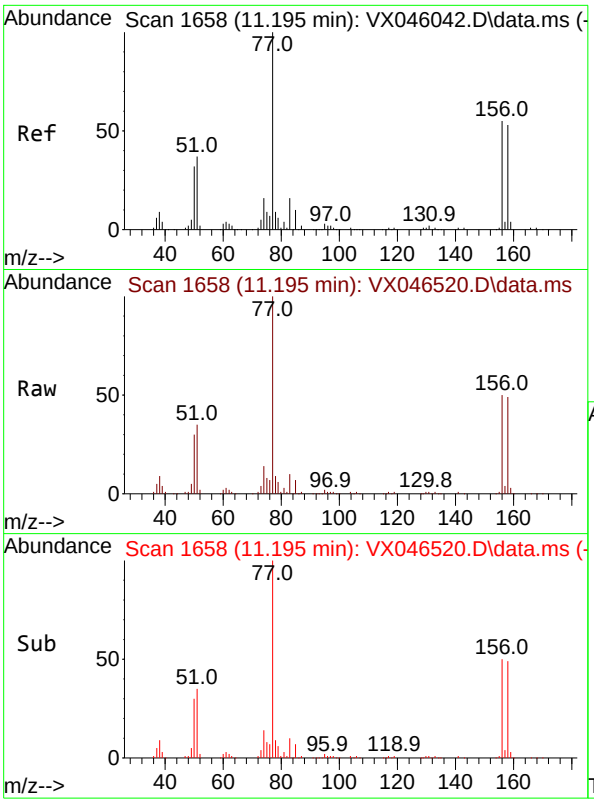


#76
1,2,3-Trichloropropane
Concen: 48.702 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 72182

Ion	Ratio	Lower	Upper
75	100		
77	43.7	20.5	61.5

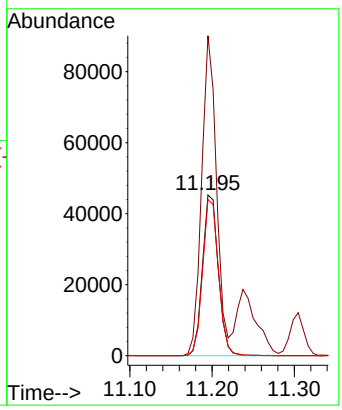




#77
Bromobenzene
Concen: 48.295 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:156 Resp: 6065

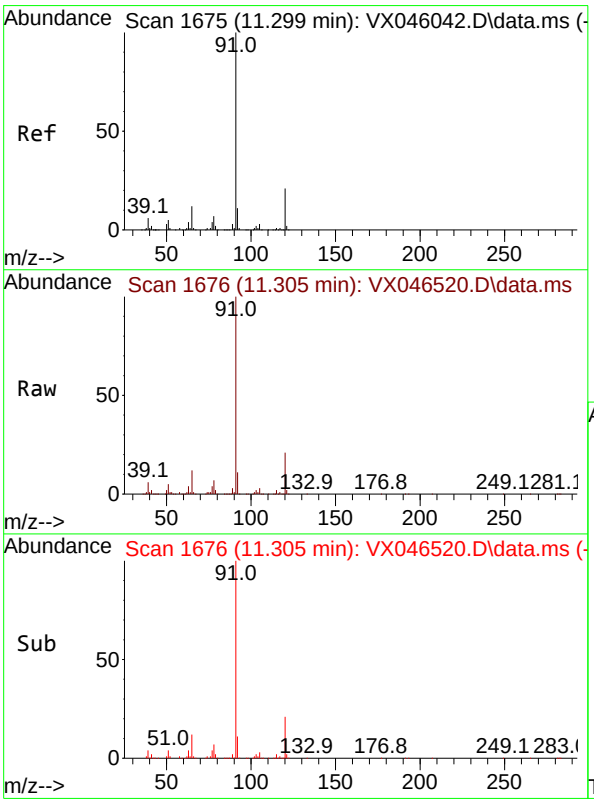
Ion	Ratio	Lower	Upper
156	100		
77	186.0	92.8	278.3
158	97.1	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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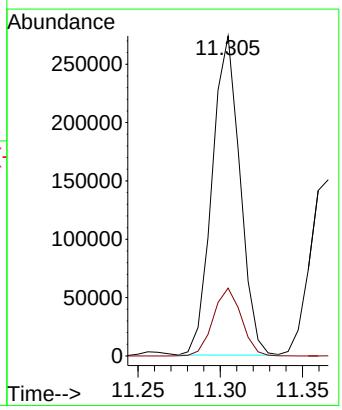
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

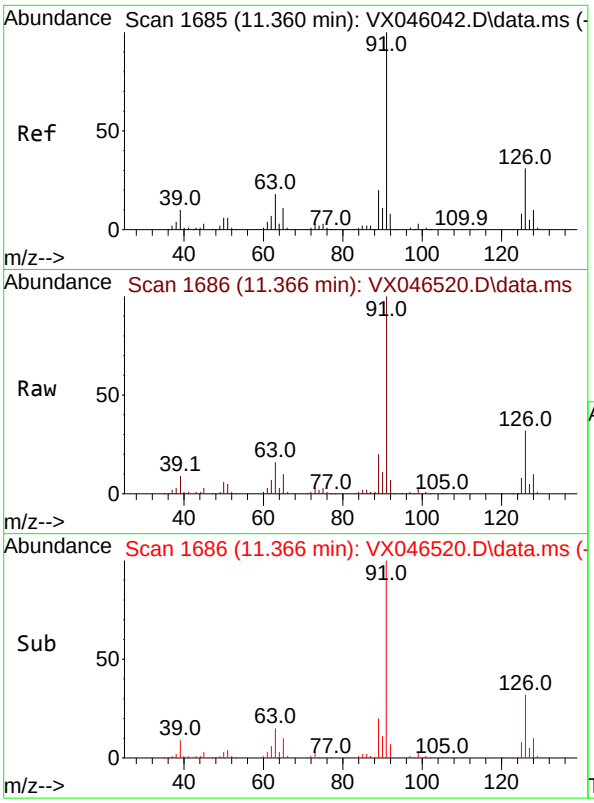


#78
n-propylbenzene
Concen: 49.325 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 91 Resp: 323032

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

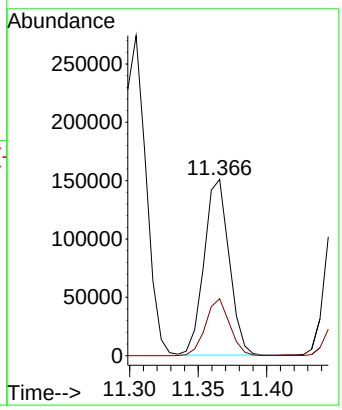




#79
2-Chlorotoluene
Concen: 48.549 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 91 Resp: 19173

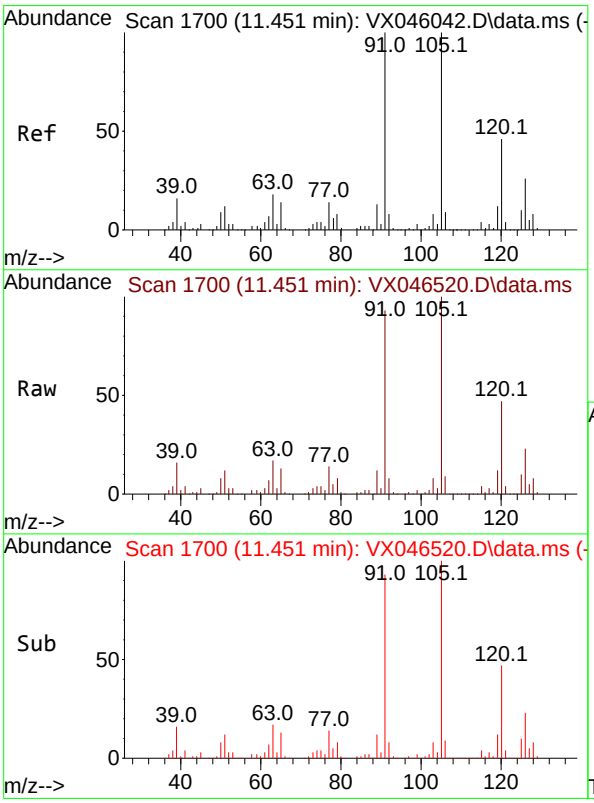
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

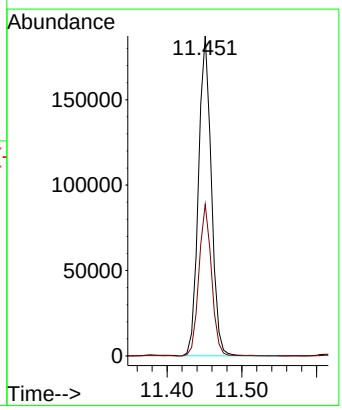
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

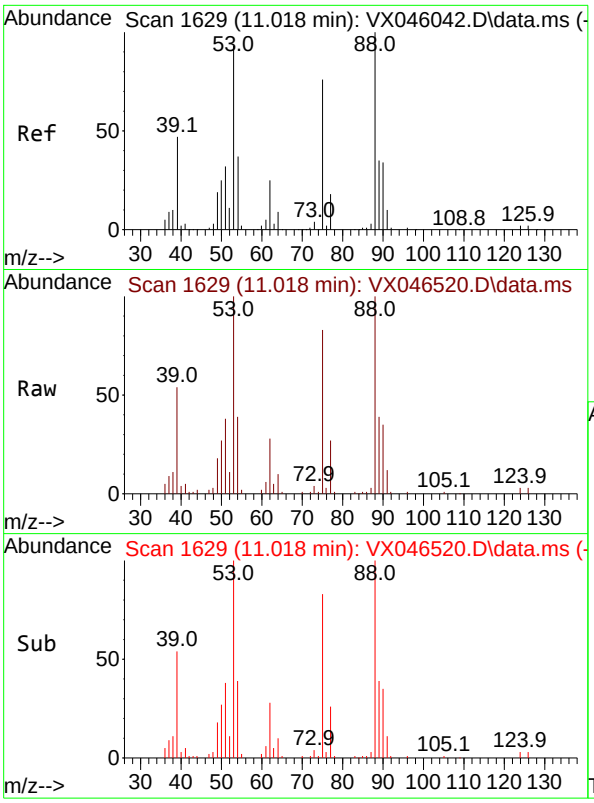


#80
1,3,5-Trimethylbenzene
Concen: 49.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:105 Resp: 223189

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2

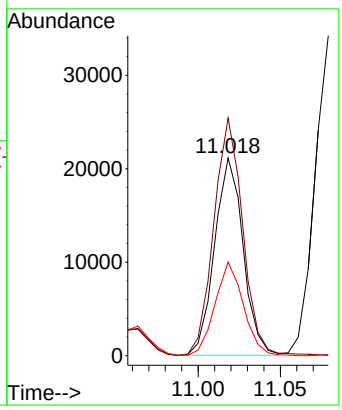




#81
trans-1,4-Dichloro-2-butene
Concen: 50.367 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 2545

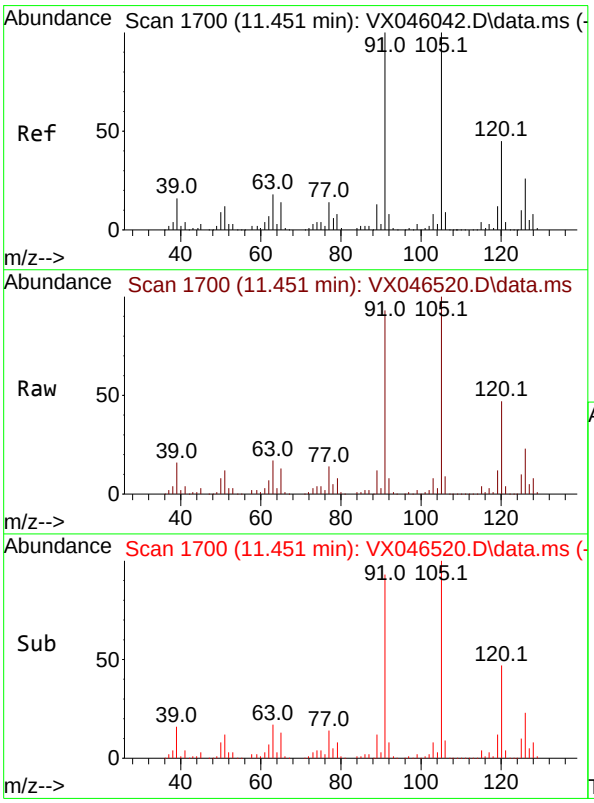
Ion	Ratio	Lower	Upper
75	100		
53	123.4	100.5	150.7
89	47.3	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

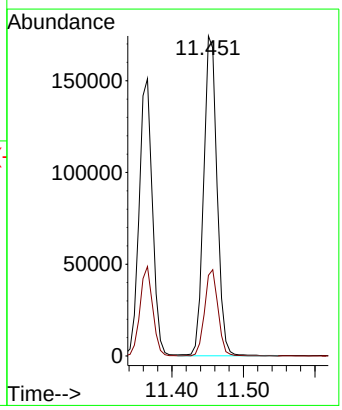
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

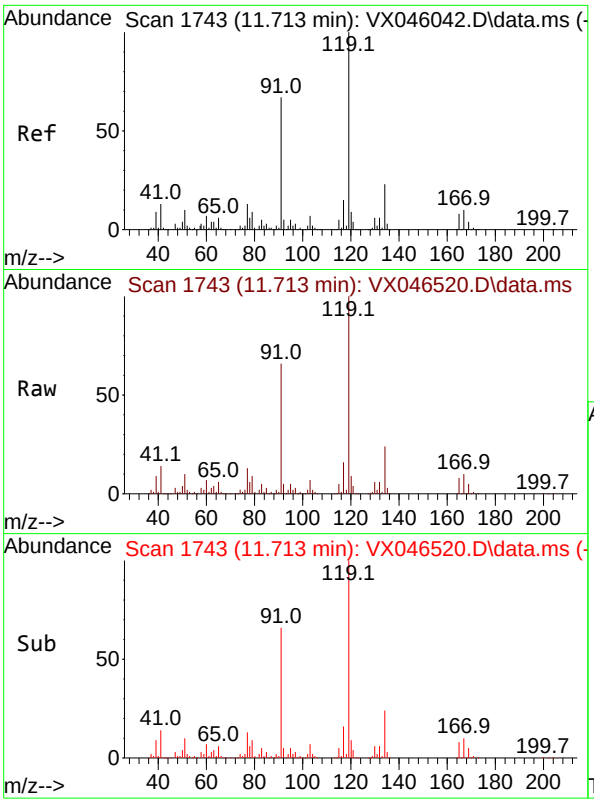


#82
4-Chlorotoluene
Concen: 48.414 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 91 Resp: 226629

Ion	Ratio	Lower	Upper
91	100		
126	27.0	13.3	39.8

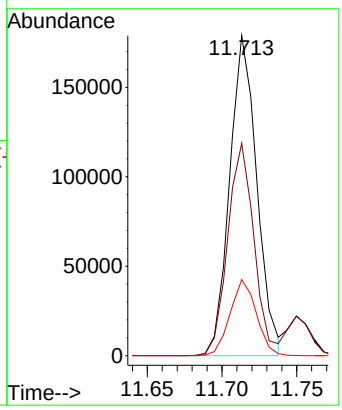




#83
tert-Butylbenzene
Concen: 49.285 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:119 Resp: 22621

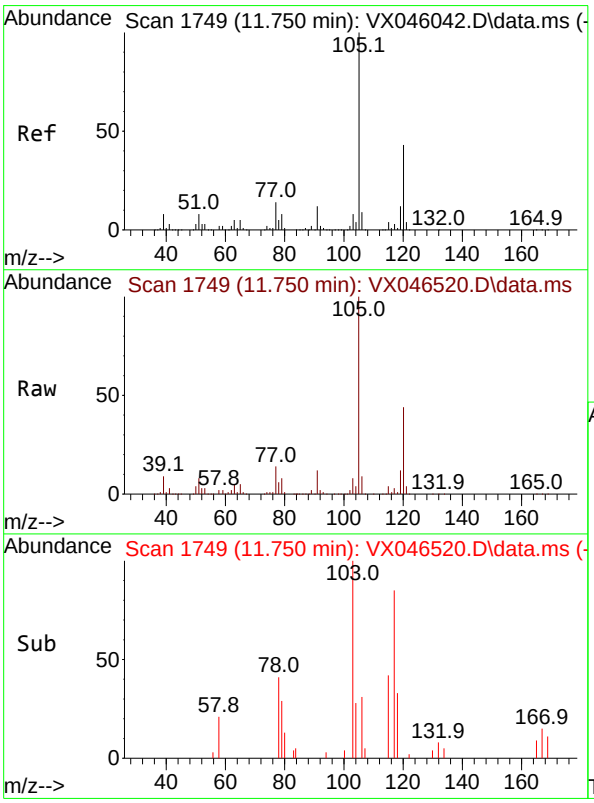
Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.9	98.7
134	23.0	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

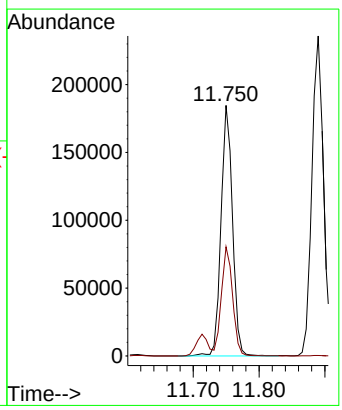
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

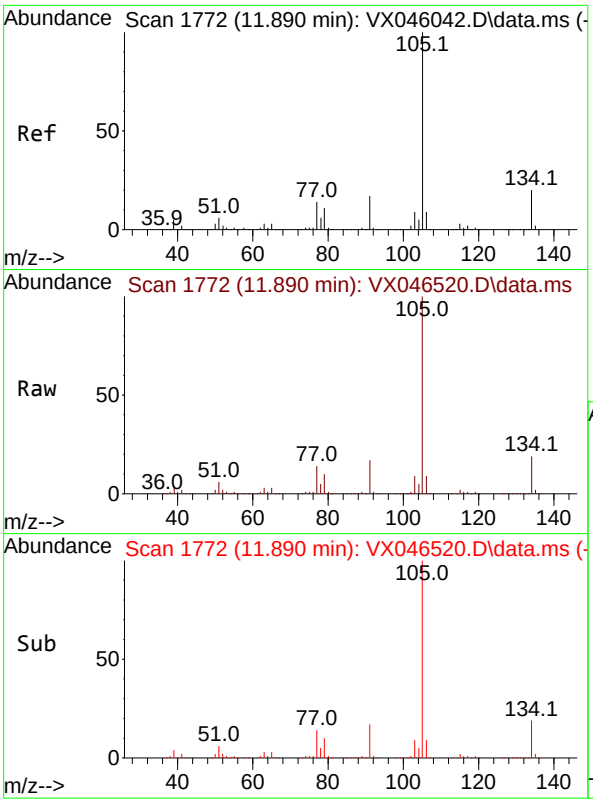


#84
1,2,4-Trimethylbenzene
Concen: 49.131 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:105 Resp: 224100

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6

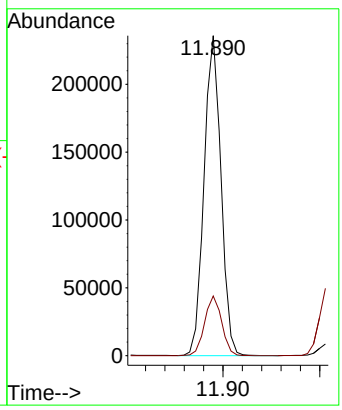




#85
sec-Butylbenzene
Concen: 48.696 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:105 Resp: 28719

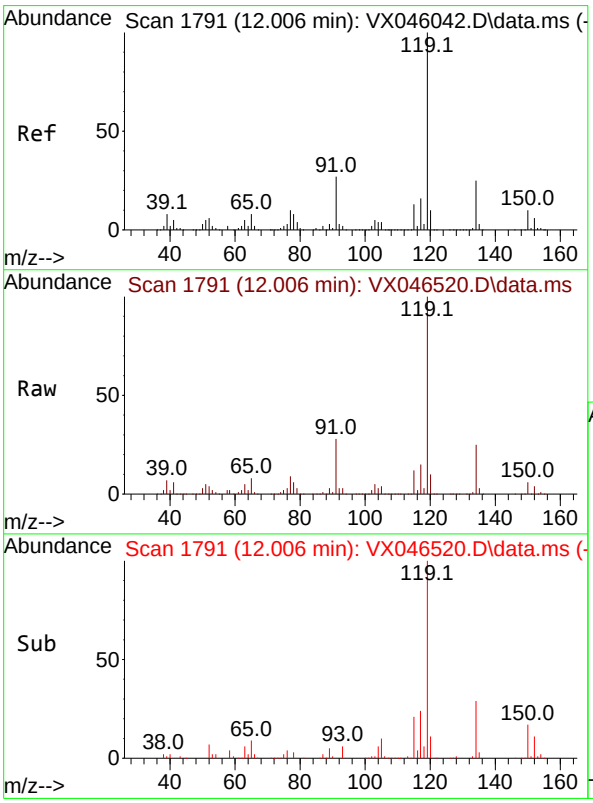
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

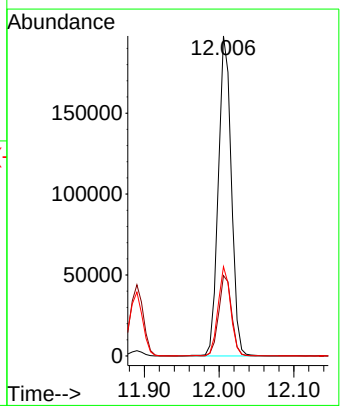
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

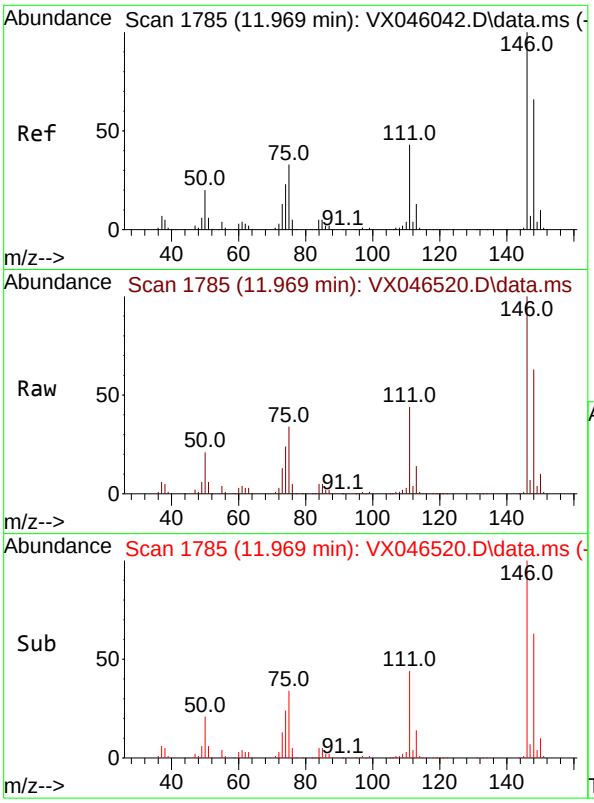


#86
p-Isopropyltoluene
Concen: 48.775 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:119 Resp: 239809

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.1	13.8	41.4

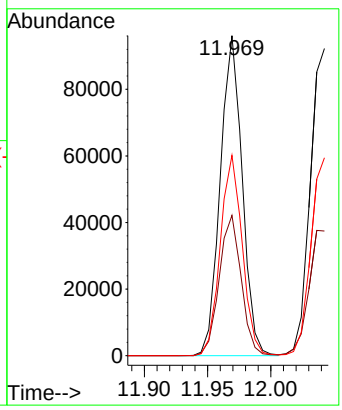




#87
1,3-Dichlorobenzene
Concen: 47.520 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:146 Resp: 11588

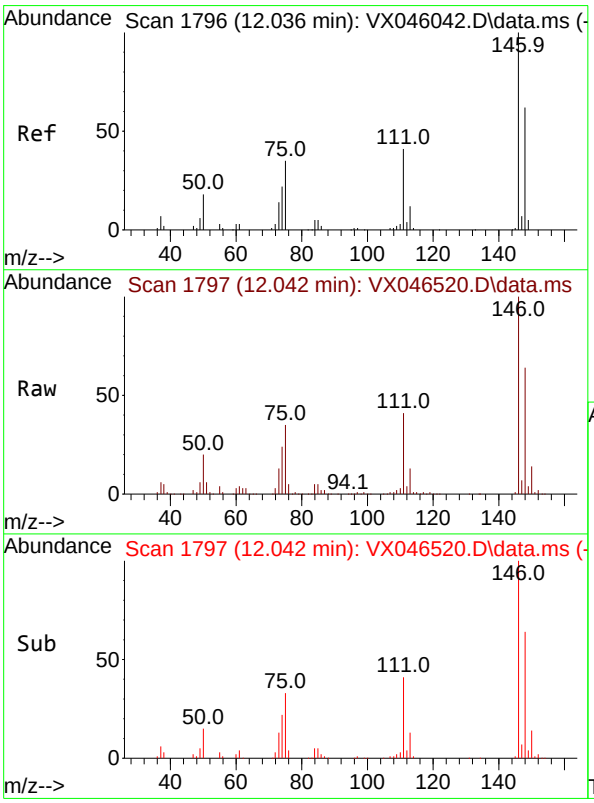
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.3
148	62.7	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

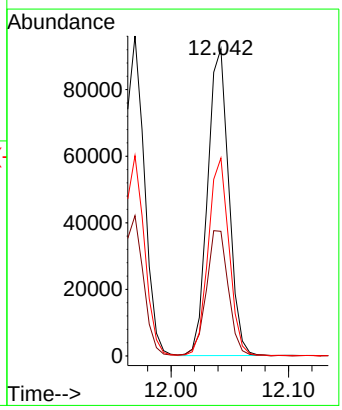
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

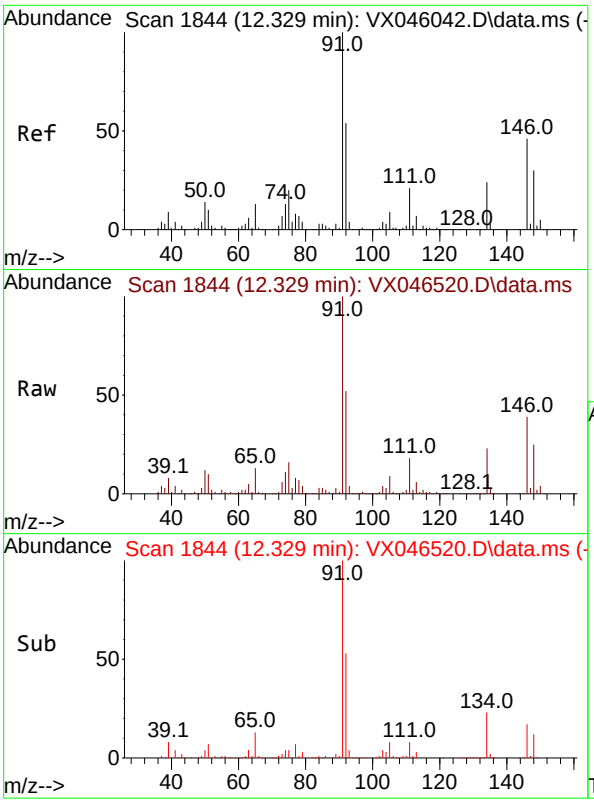


#88
1,4-Dichlorobenzene
Concen: 45.612 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:146 Resp: 115263

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.2	31.9	95.5

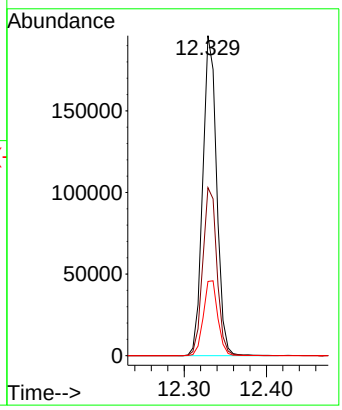




#89
n-Butylbenzene
Concen: 47.808 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 91 Resp: 23083

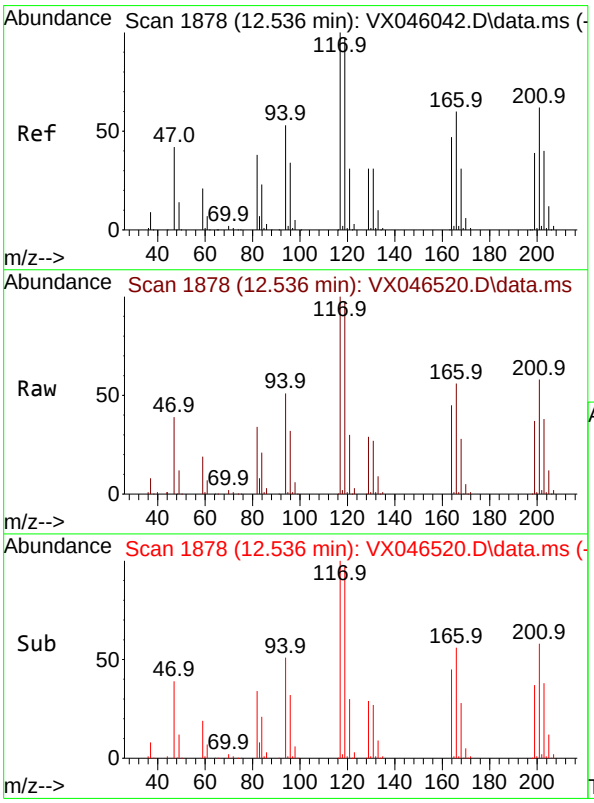
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	24.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

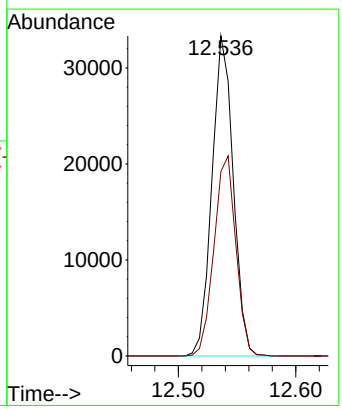
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

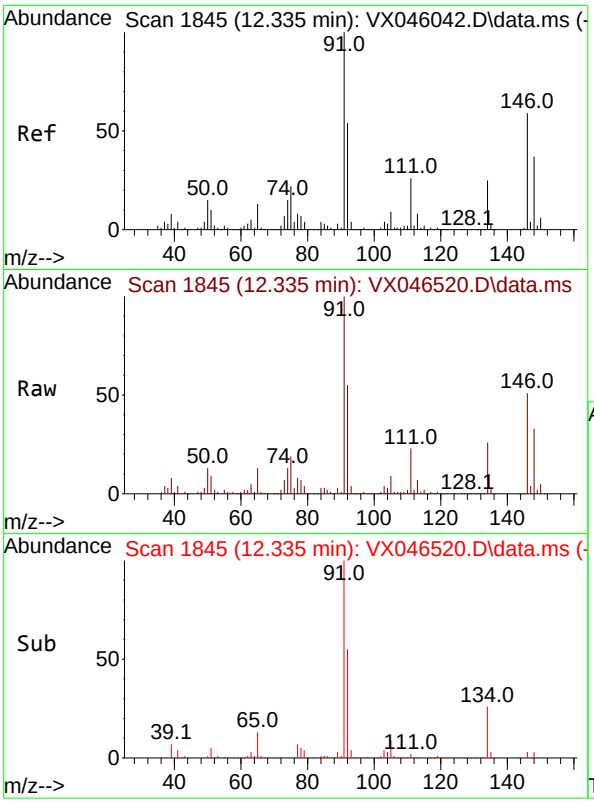


#90
Hexachloroethane
Concen: 48.027 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:117 Resp: 41969

Ion	Ratio	Lower	Upper
117	100		
201	64.3	31.6	94.7

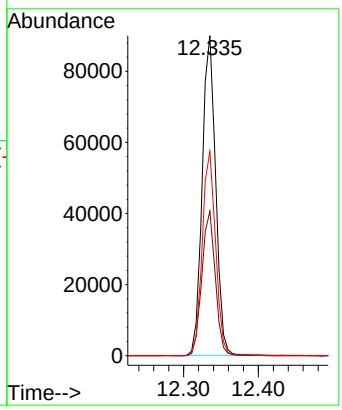




#91
1,2-Dichlorobenzene
Concen: 47.923 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:146 Resp: 11281

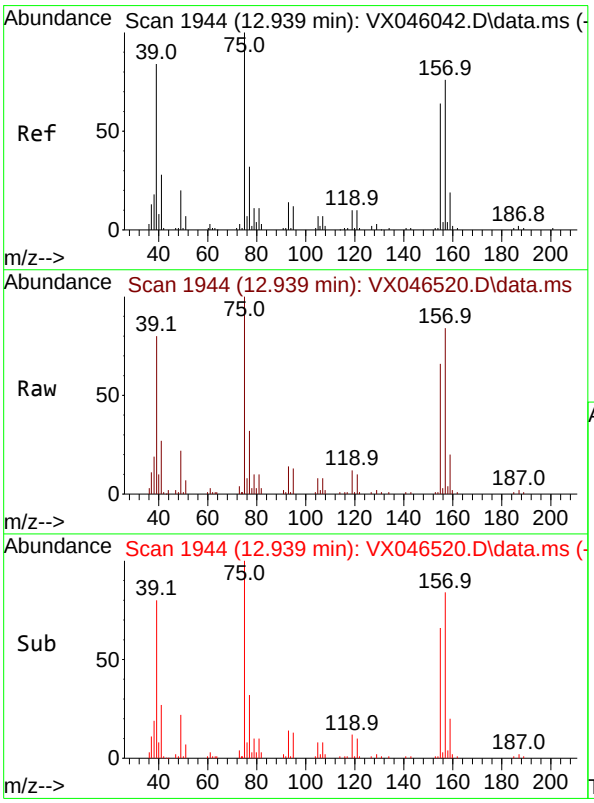
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.3
148	63.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

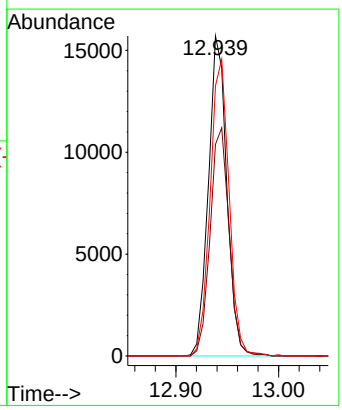
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

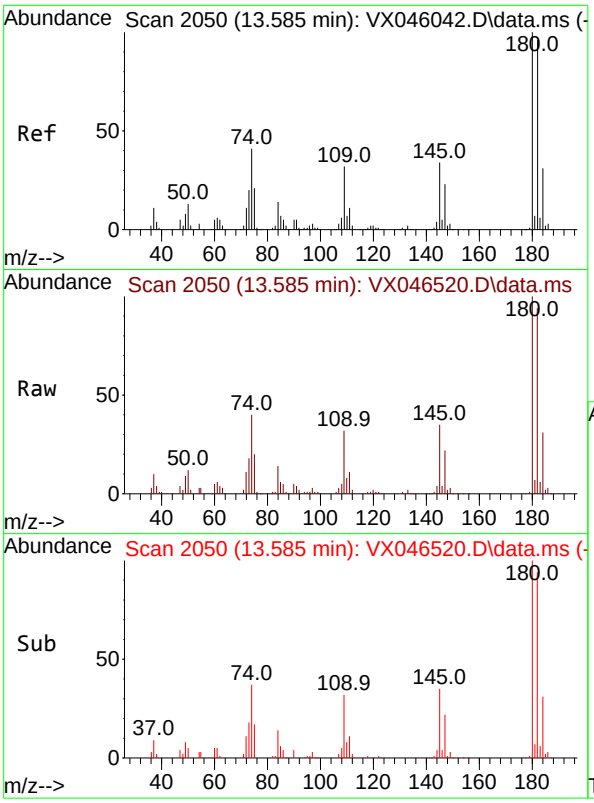


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.545 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion: 75 Resp: 19603

Ion	Ratio	Lower	Upper
75	100		
155	73.0	34.9	104.8
157	95.0	43.8	131.4

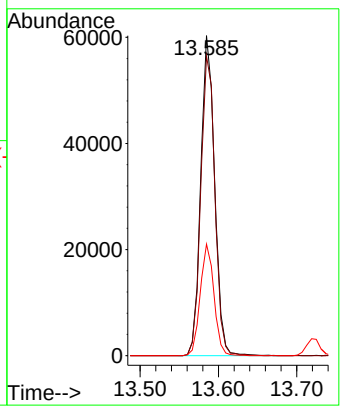




#93
1,2,4-Trichlorobenzene
Concen: 46.149 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:180 Resp: 7410

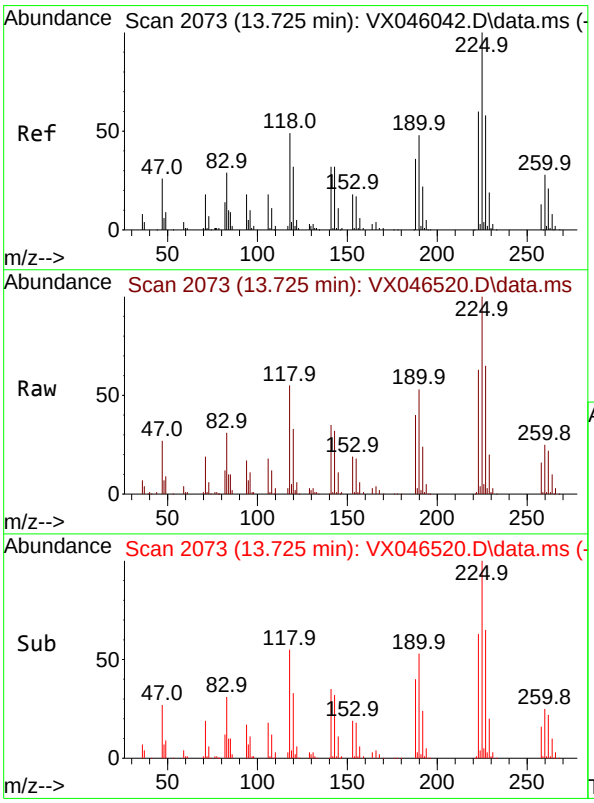
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	34.6	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

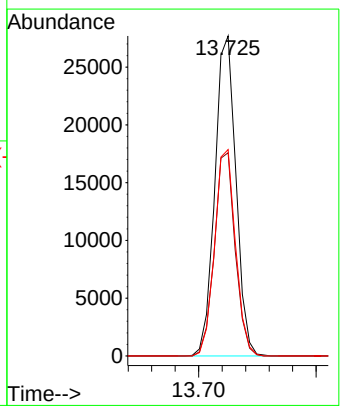
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

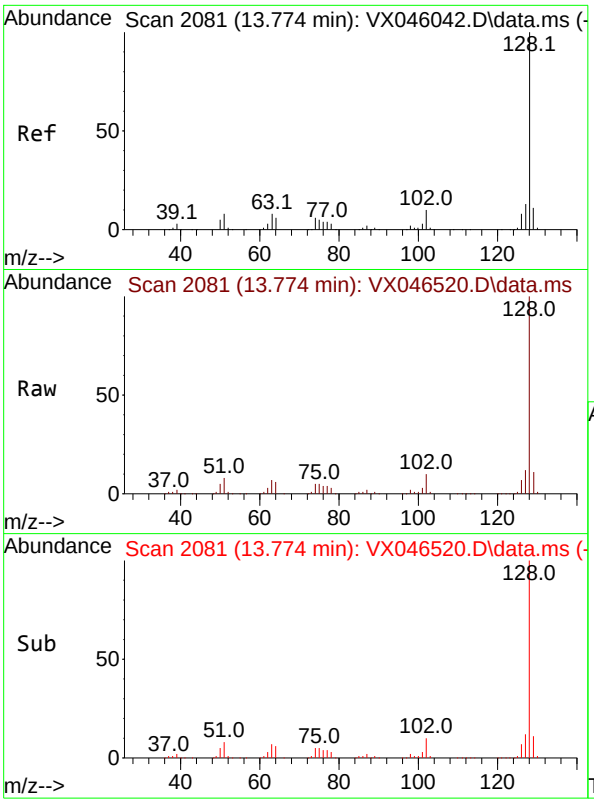


#94
Hexachlorobutadiene
Concen: 46.237 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:225 Resp: 34506

Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.8	92.4
227	64.1	30.9	92.7

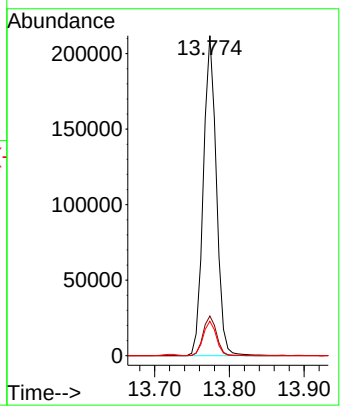




#95
Naphthalene
Concen: 50.359 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:128 Resp: 25645

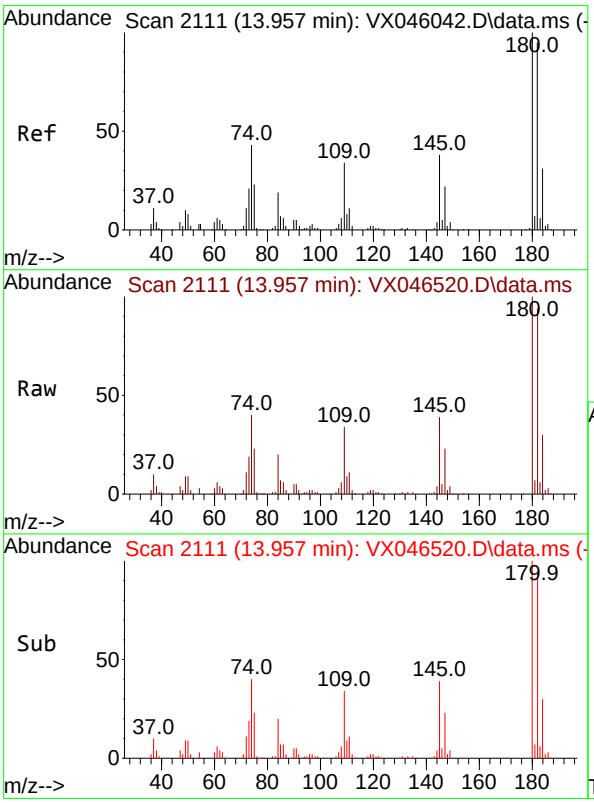
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

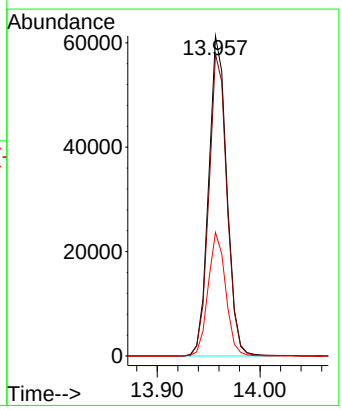
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 46.684 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046520.D
Acq: 06 Jun 2025 10:40

Tgt Ion:180 Resp: 75172

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	37.3	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	86761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	151628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	143754	93.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 186.260%#			
35) Dibromofluoromethane	5.403	113	105237	94.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 188.760%#			
50) Toluene-d8	8.653	98	343367	93.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 186.800%#			
62) 4-Bromofluorobenzene	11.079	95	141905	93.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 186.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	110112	91.417	ug/l	98
3) Chloromethane	1.307	50	98615	89.947	ug/l	99
4) Vinyl Chloride	1.386	62	102609	93.885	ug/l	98
5) Bromomethane	1.617	94	44380	66.888	ug/l	98
6) Chloroethane	1.697	64	61909	87.305	ug/l	99
7) Trichlorofluoromethane	1.904	101	171395	94.783	ug/l	98
8) Diethyl Ether	2.154	74	60580	94.817	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	106901	93.832	ug/l	97
10) Methyl Iodide	2.471	142	129059	104.501	ug/l	100
11) Tert butyl alcohol	2.977	59	90368	527.609	ug/l	99
12) 1,1-Dichloroethene	2.337	96	97296	94.457	ug/l	95
13) Acrolein	2.252	56	101278	460.232	ug/l	100
14) Allyl chloride	2.684	41	197384	97.570	ug/l	94
15) Acrylonitrile	3.081	53	330844	510.880	ug/l	100
16) Acetone	2.398	43	295803	483.635	ug/l	99
17) Carbon Disulfide	2.532	76	211673	96.592	ug/l	98
18) Methyl Acetate	2.721	43	200390	108.991	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	369725	102.579	ug/l	99
20) Methylene Chloride	2.806	84	112036	90.472	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	98333	90.207	ug/l	97
22) Diisopropyl ether	3.782	45	402386	100.889	ug/l #	81
23) Vinyl Acetate	3.739	43	1588475	515.860	ug/l	100
24) 1,1-Dichloroethane	3.629	63	214175	96.351	ug/l	98
25) 2-Butanone	4.574	43	443718	516.388	ug/l	100
26) 2,2-Dichloropropane	4.501	77	168003	101.809	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	126373	94.172	ug/l	99
28) Bromochloromethane	4.916	49	103145	97.287	ug/l	100
29) Tetrahydrofuran	5.019	42	277926	512.155	ug/l	98
30) Chloroform	5.117	83	223890	96.128	ug/l	96
31) Cyclohexane	5.489	56	168997	94.175	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	195664	98.210	ug/l	98
36) 1,1-Dichloropropene	5.708	75	139920	87.846	ug/l	99
37) Ethyl Acetate	4.733	43	171559	110.381	ug/l	98
38) Carbon Tetrachloride	5.696	117	168024	94.183	ug/l	100
39) Methylcyclohexane	7.391	83	171321	91.127	ug/l	98
40) Benzene	6.056	78	418566	93.347	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	96904	100.381	ug/l		96
42) 1,2-Dichloroethane	6.098	62	177798	95.311	ug/l		99
43) Isopropyl Acetate	6.354	43	283615	104.651	ug/l		100
44) Trichloroethene	7.135	130	100714	88.399	ug/l		97
45) 1,2-Dichloropropane	7.440	63	112349	97.071	ug/l		97
46) Dibromomethane	7.586	93	82614	94.883	ug/l		98
47) Bromodichloromethane	7.830	83	178755	99.847	ug/l		99
48) Methyl methacrylate	7.702	41	148448	106.461	ug/l		97
49) 1,4-Dioxane	7.671	88	39522	2119.509	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	882926	512.682	ug/l		100
52) Toluene	8.720	92	257539	93.489	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	169431	105.552	ug/l		100
54) cis-1,3-Dichloropropene	8.372	75	180299	101.023	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	107827	97.502	ug/l		99
56) Ethyl methacrylate	9.122	69	180282	105.935	ug/l		97
57) 1,3-Dichloropropane	9.311	76	185642	94.990	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.250	63	472343	509.557	ug/l		100
59) 2-Hexanone	9.433	43	635829	514.792	ug/l		99
60) Dibromochloromethane	9.525	129	128006	98.404	ug/l		100
61) 1,2-Dibromoethane	9.610	107	110603	95.976	ug/l		98
64) Tetrachloroethene	9.275	164	79545	90.169	ug/l		97
65) Chlorobenzene	10.079	112	289084	93.171	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	106634	101.705	ug/l		99
67) Ethyl Benzene	10.195	91	520064	96.013	ug/l		99
68) m/p-Xylenes	10.305	106	376918	191.829	ug/l		100
69) o-Xylene	10.640	106	185444	97.576	ug/l		100
70) Styrene	10.659	104	319998	98.362	ug/l		99
71) Bromoform	10.799	173	83574	104.541	ug/l	#	97
73) Isopropylbenzene	10.963	105	501468	97.400	ug/l		100
74) N-amyl acetate	10.841	43	242879	107.123	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	163624	99.288	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	134330m	95.251	ug/l		
77) Bromobenzene	11.201	156	115005	96.236	ug/l		98
78) n-propylbenzene	11.305	91	596385	95.703	ug/l		99
79) 2-Chlorotoluene	11.366	91	356389	94.839	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	412251	96.089	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	52102	108.338	ug/l		94
82) 4-Chlorotoluene	11.457	91	416150	93.429	ug/l		98
83) tert-Butylbenzene	11.713	119	425478	97.420	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	418383	96.397	ug/l		100
85) sec-Butylbenzene	11.890	105	536486	95.599	ug/l		100
86) p-Isopropyltoluene	12.006	119	445024	95.124	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	215104	92.695	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	213122	88.632	ug/l		99
89) n-Butylbenzene	12.329	91	433603	94.378	ug/l		99
90) Hexachloroethane	12.536	117	82886	99.681	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	208931	93.273	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40499	109.744	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	143150	93.683	ug/l		99
94) Hexachlorobutadiene	13.725	225	65134	91.723	ug/l		99
95) Naphthalene	13.774	128	499805	103.144	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	145123	94.716	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

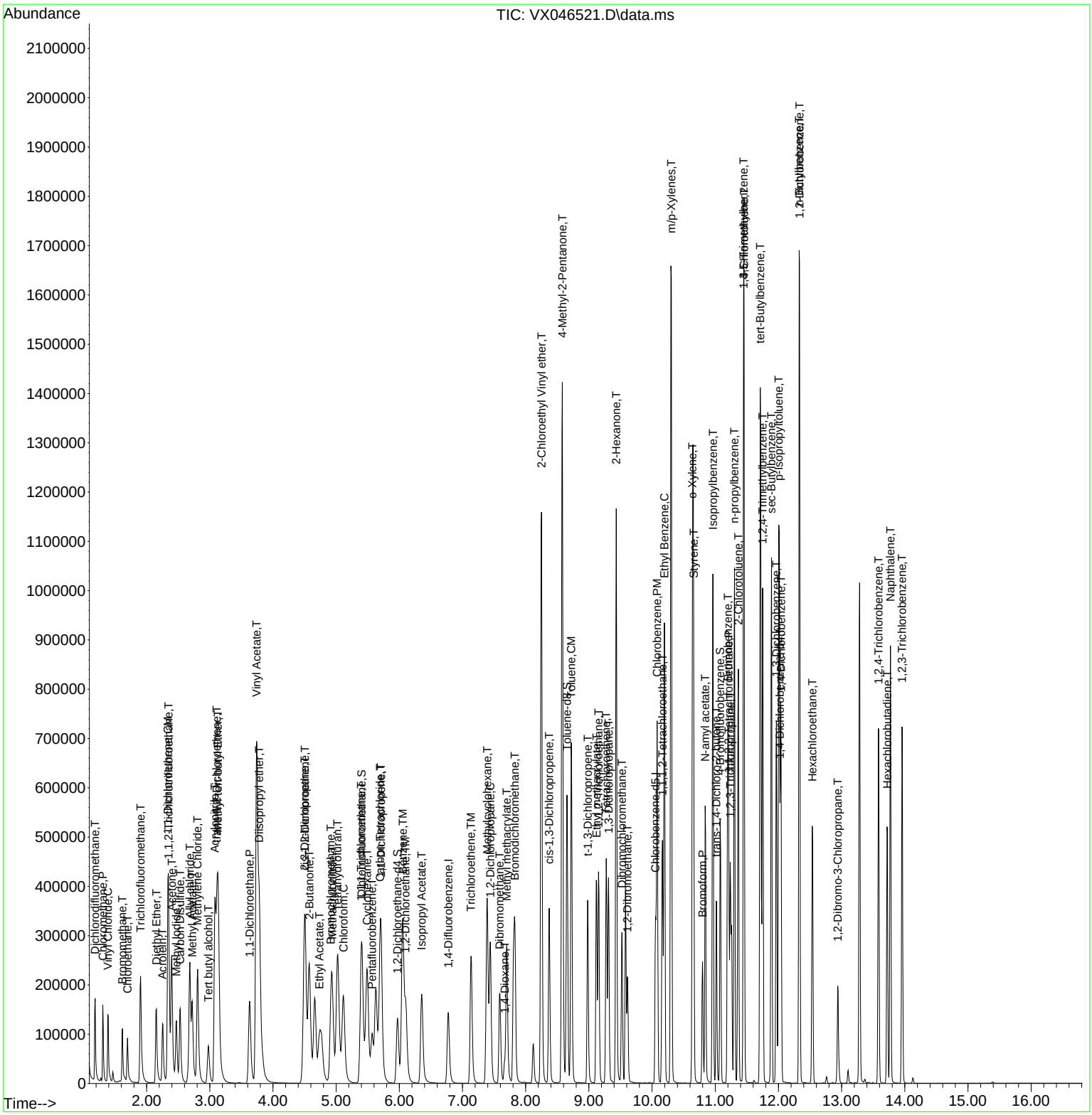
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Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

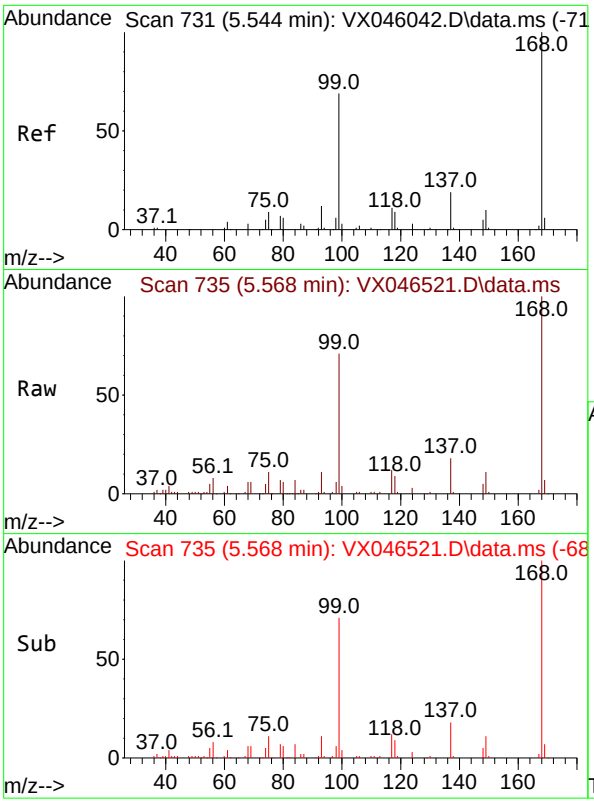
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

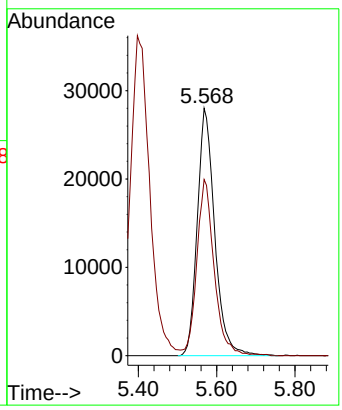




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:168 Resp: 8676

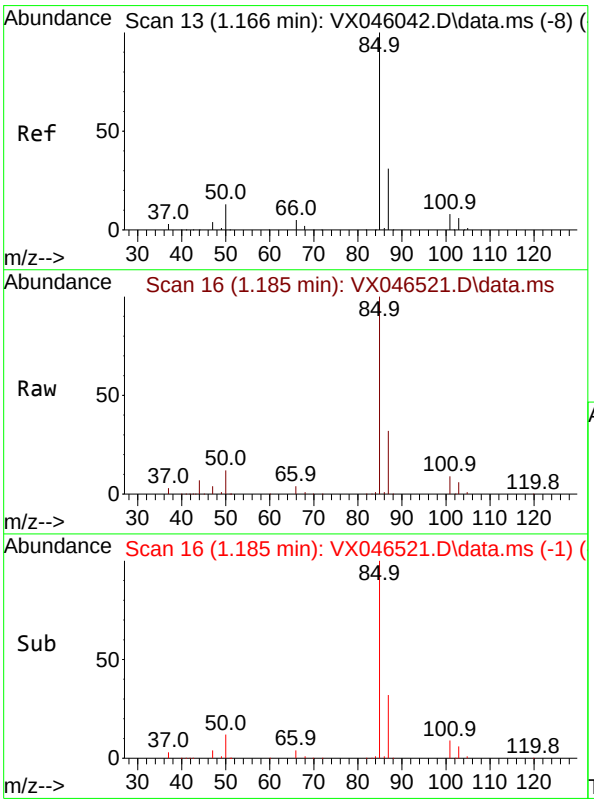
Ion	Ratio	Lower	Upper
168	100		
99	71.2	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

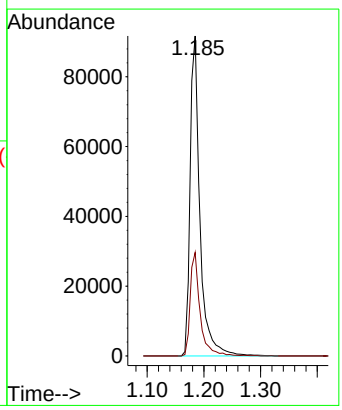
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

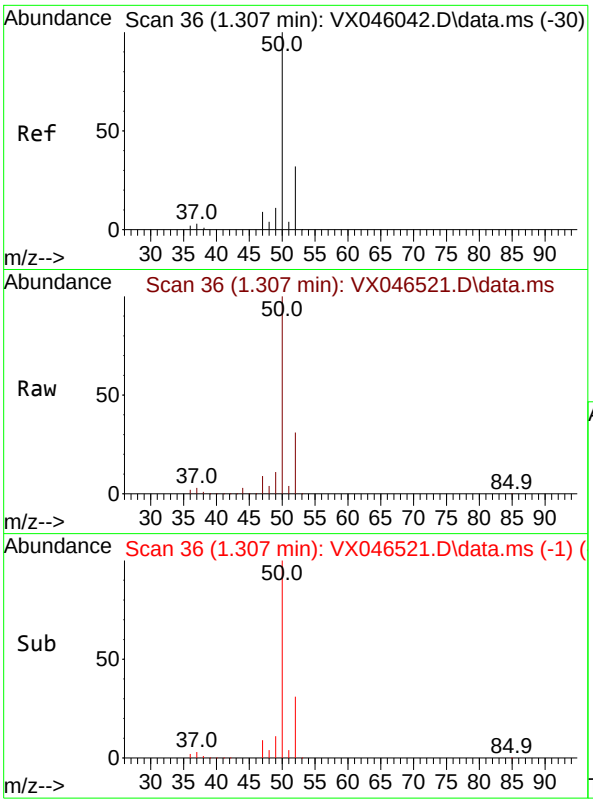


#2
Dichlorodifluoromethane
Concen: 91.417 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 85 Resp: 110112

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1

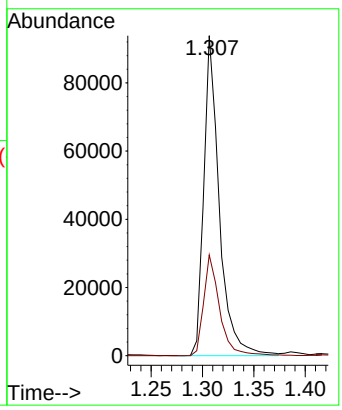




#3
Chloromethane
Concen: 89.947 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 50 Resp: 9861

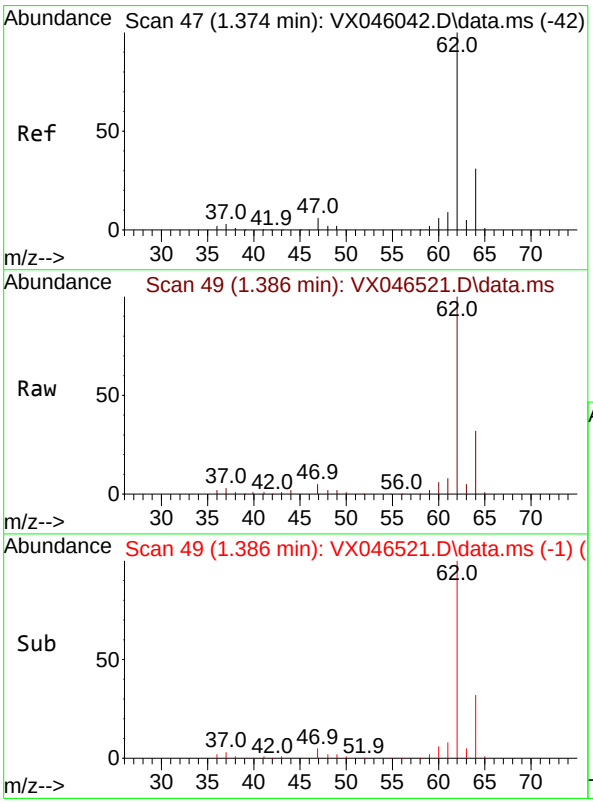
Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

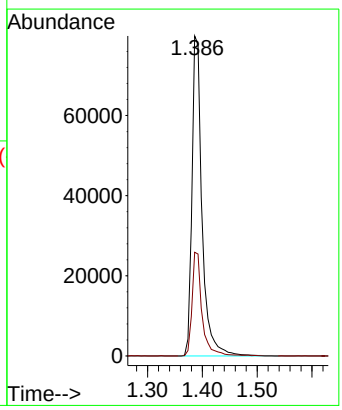
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

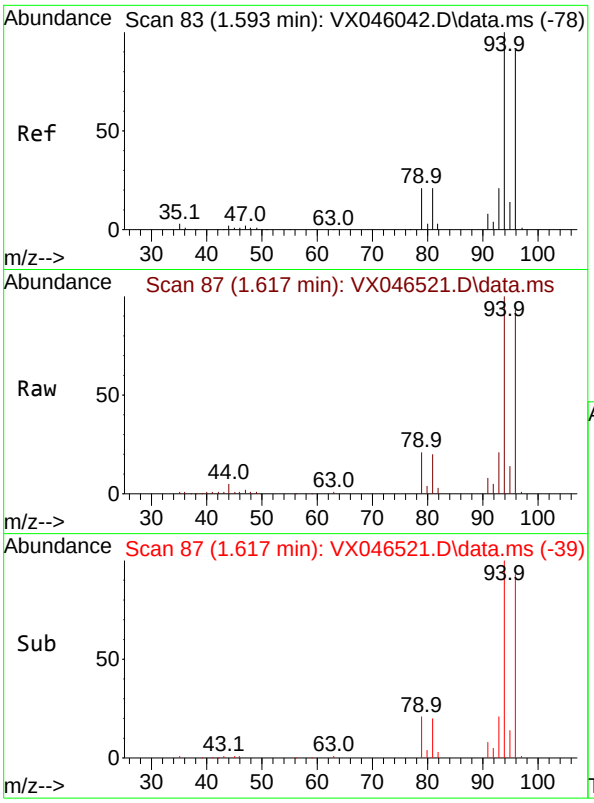


#4
Vinyl Chloride
Concen: 93.885 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 62 Resp: 102609

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8

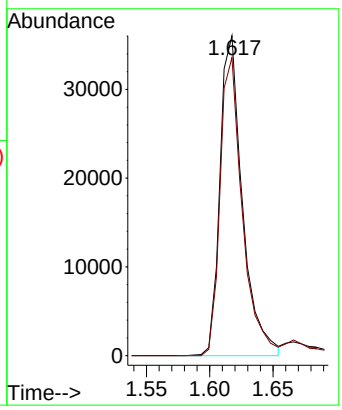




#5
Bromomethane
Concen: 66.888 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 94 Resp: 4438

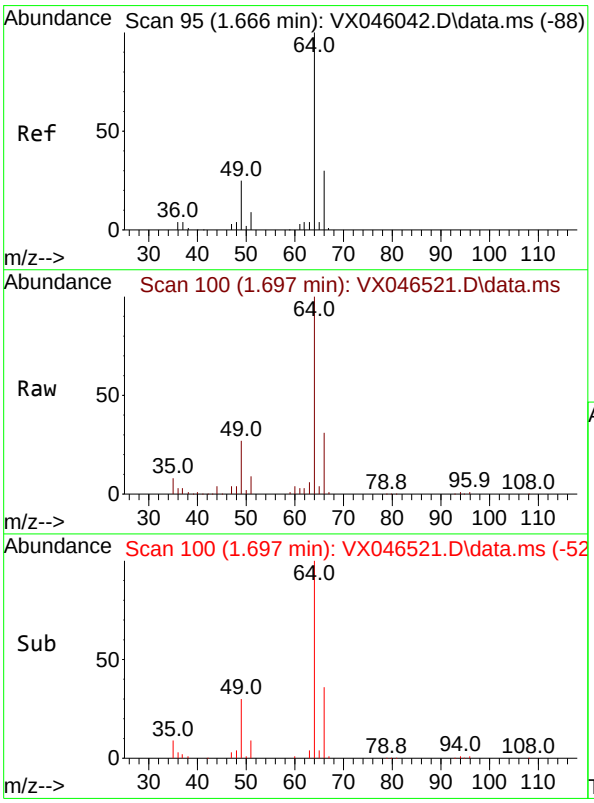
Ion	Ratio	Lower	Upper
94	100		
96	93.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

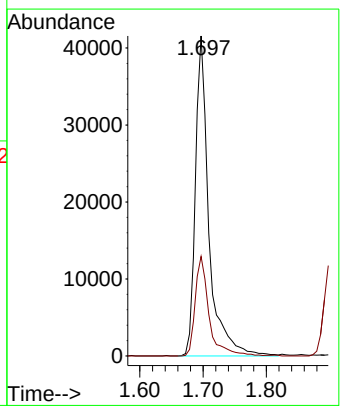
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

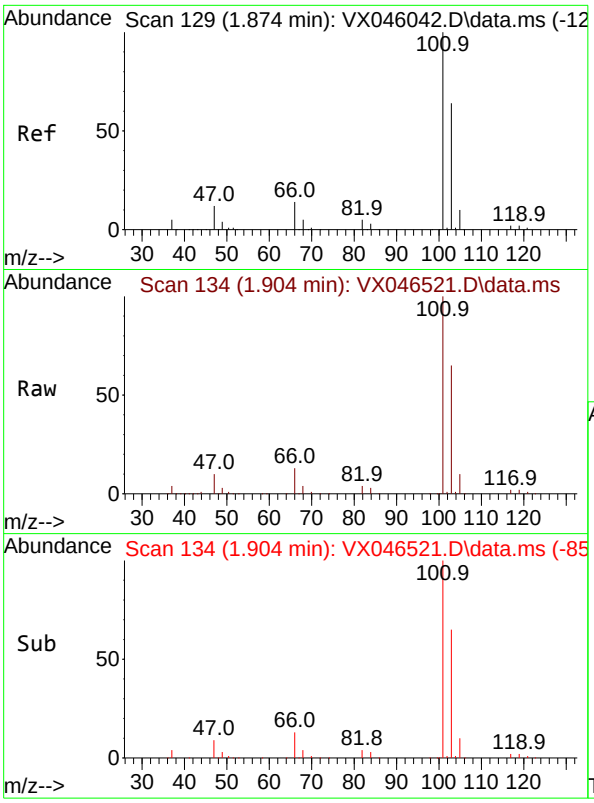


#6
Chloroethane
Concen: 87.305 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 64 Resp: 61909

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.3	36.5

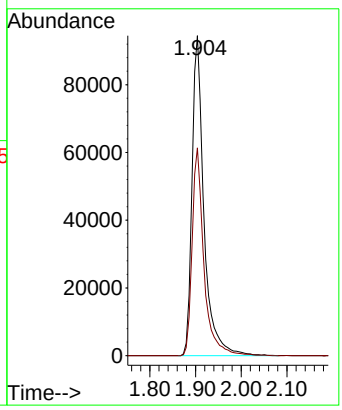




#7
Trichlorofluoromethane
Concen: 94.783 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:101 Resp: 17139

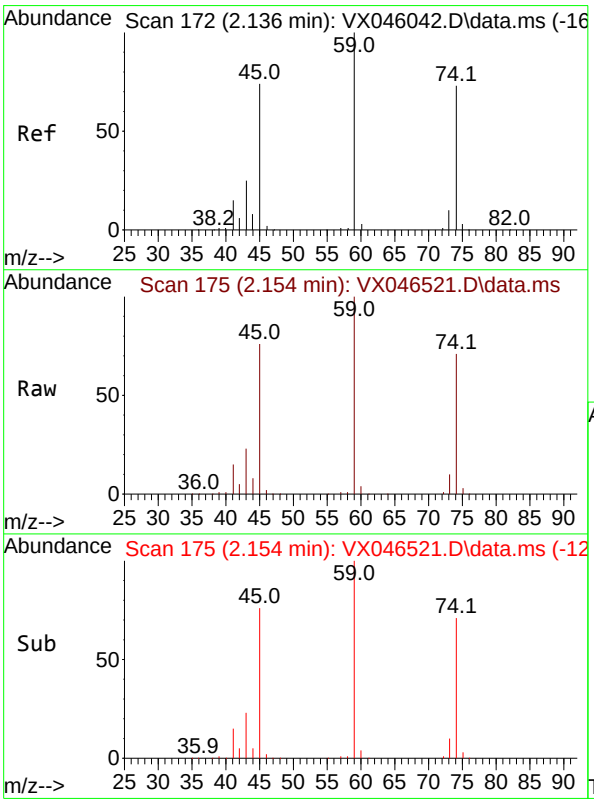
Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

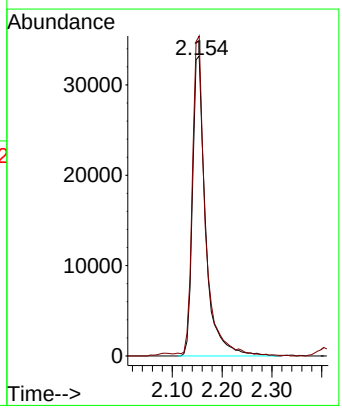
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

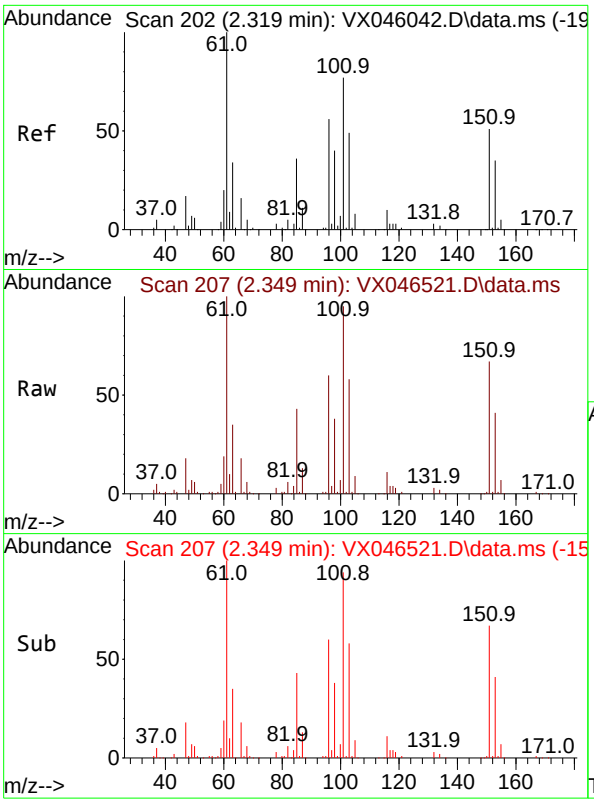


#8
Diethyl Ether
Concen: 94.817 ug/l
RT: 2.154 min Scan# 175
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 74 Resp: 60580

Ion	Ratio	Lower	Upper
74	100		
45	106.9	54.9	164.8

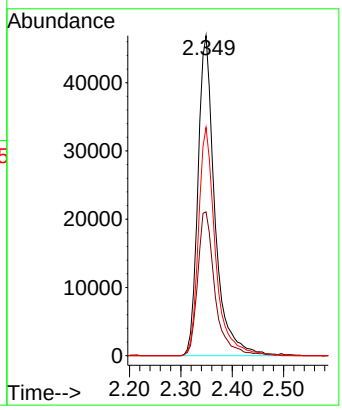




#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.832 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:101 Resp: 10690

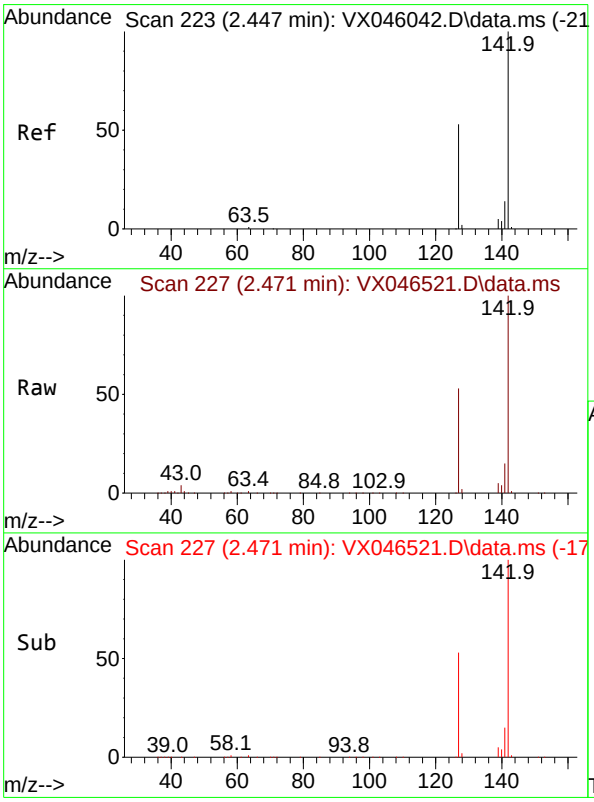
Ion	Ratio	Lower	Upper
101	100		
85	46.4	38.6	58.0
151	71.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

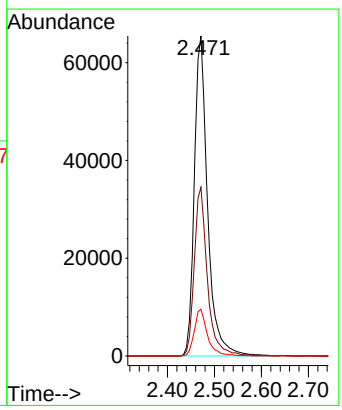
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

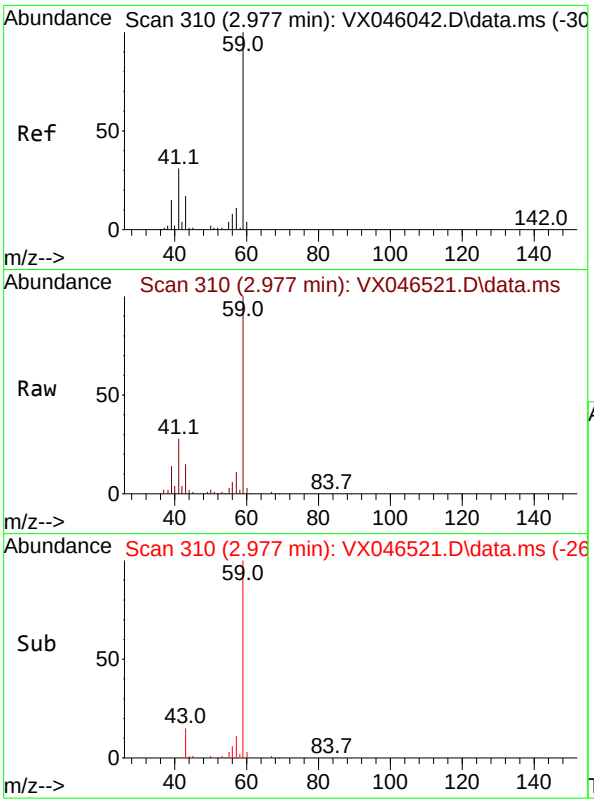


#10
Methyl Iodide
Concen: 104.501 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:142 Resp: 129059

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.5	11.5	17.3

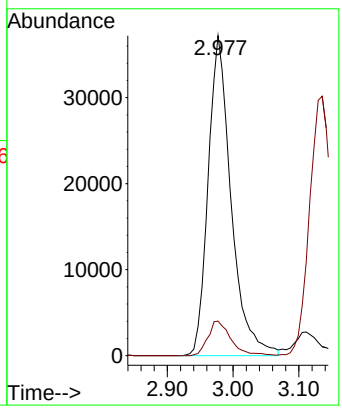




#11
Tert butyl alcohol
Concen: 527.609 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 59 Resp: 9036

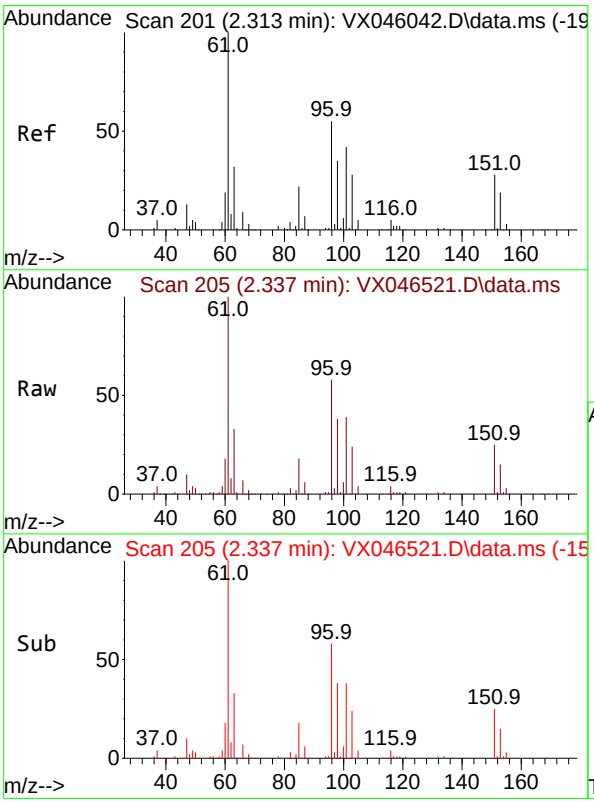
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

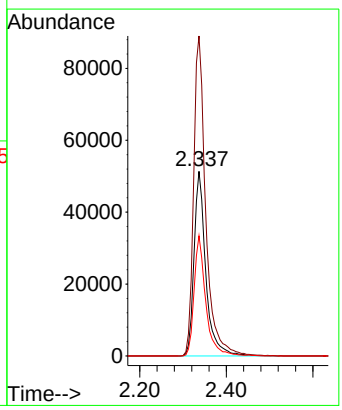
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

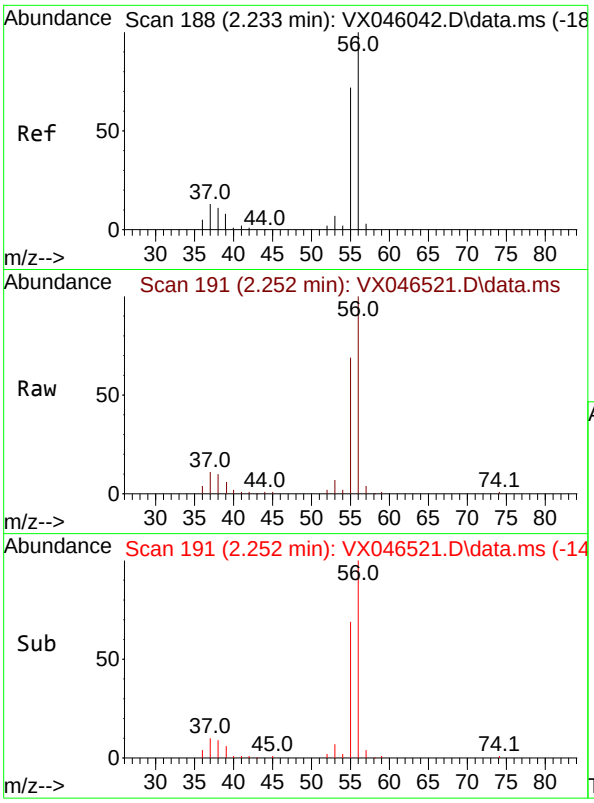


#12
1,1-Dichloroethene
Concen: 94.457 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 96 Resp: 97296

Ion	Ratio	Lower	Upper
96	100		
61	173.3	146.2	219.2
98	65.0	51.0	76.6

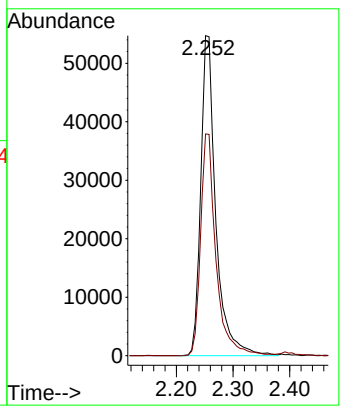




#13
Acrolein
Concen: 460.232 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 56 Resp: 10127

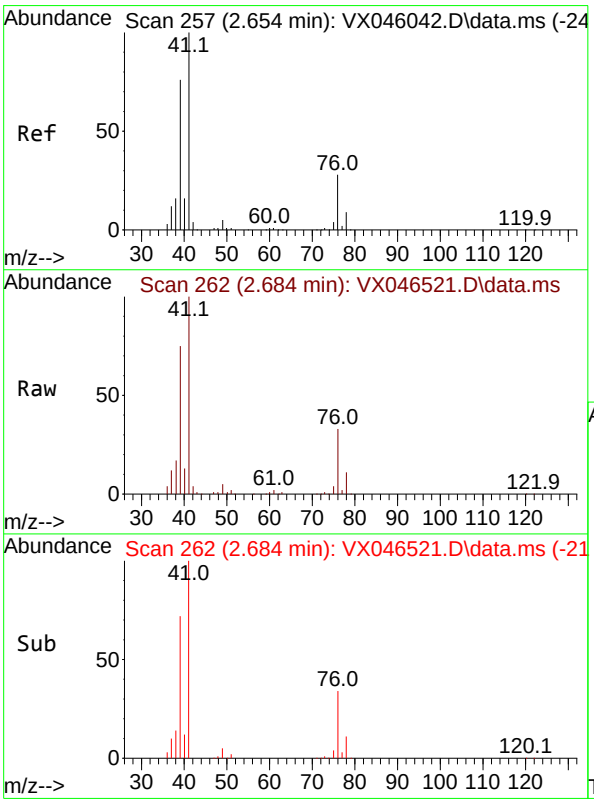
Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

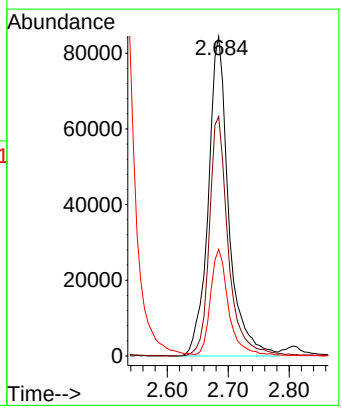
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

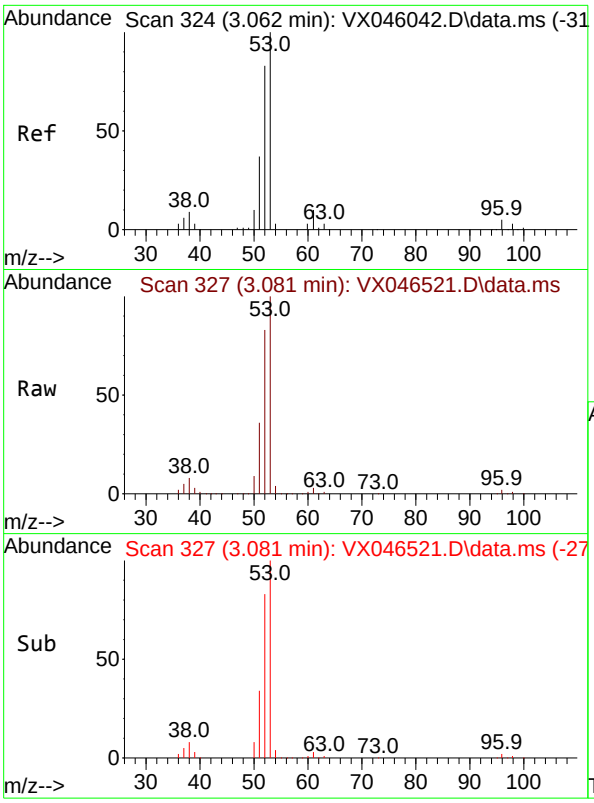


#14
Allyl chloride
Concen: 97.570 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 41 Resp: 197384

Ion	Ratio	Lower	Upper
41	100		
39	69.6	60.6	90.8
76	30.0	24.9	37.3

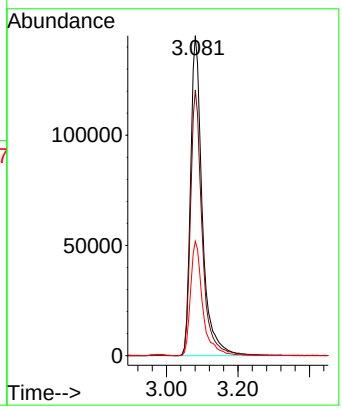




#15
Acrylonitrile
Concen: 510.880 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 53 Resp: 33084

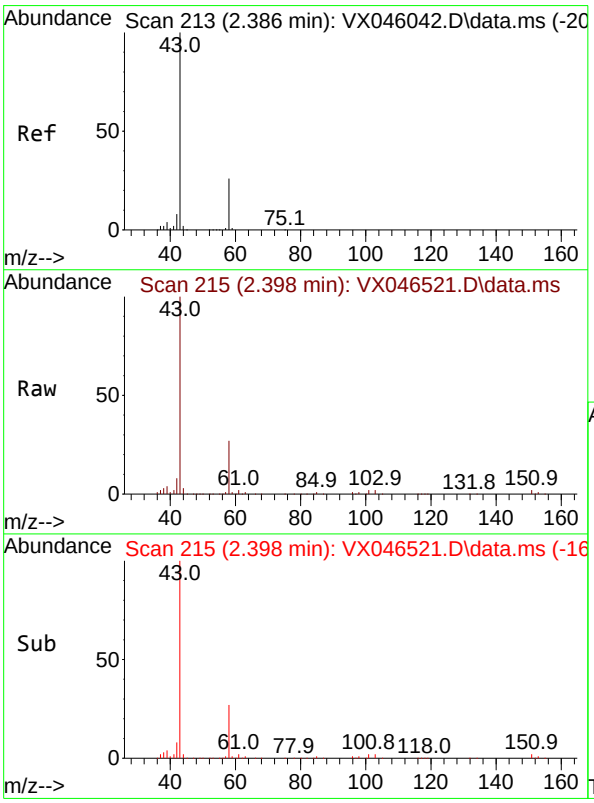
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.3	97.9
51	37.2	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

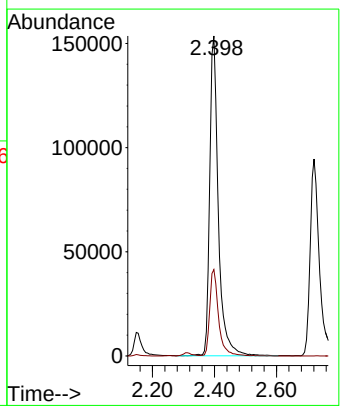
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

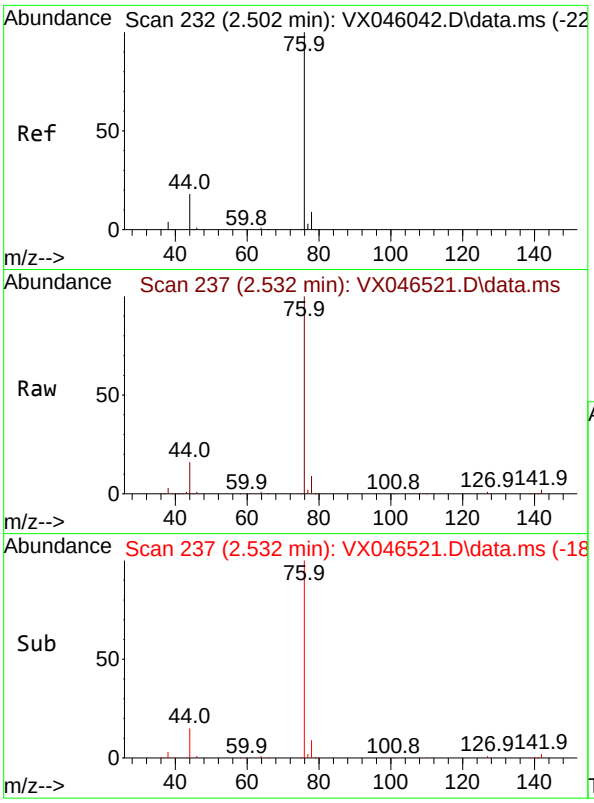


#16
Acetone
Concen: 483.635 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 295803

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.2	31.8





#17
Carbon Disulfide
Concen: 96.592 ug/l
RT: 2.532 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

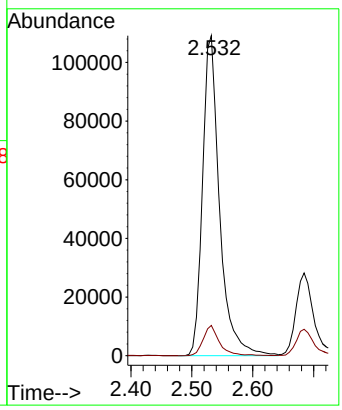
Tgt Ion: 76 Resp: 21167

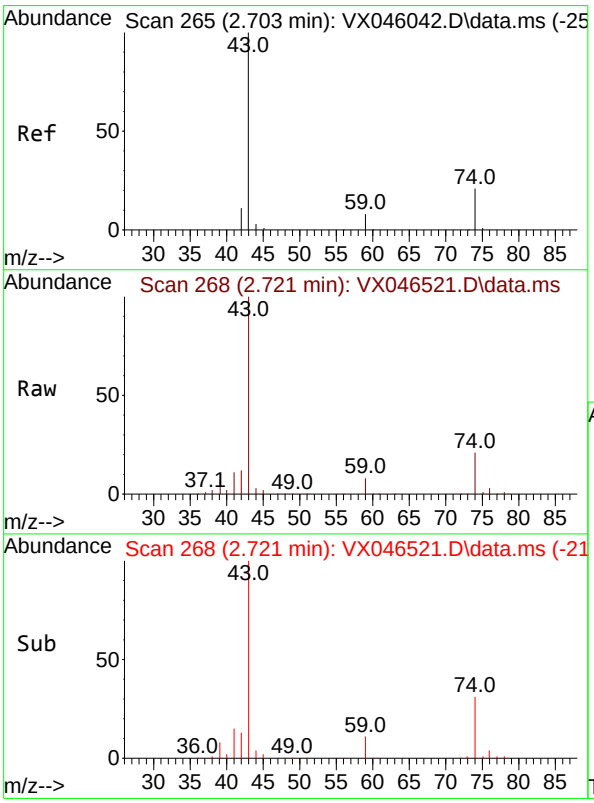
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

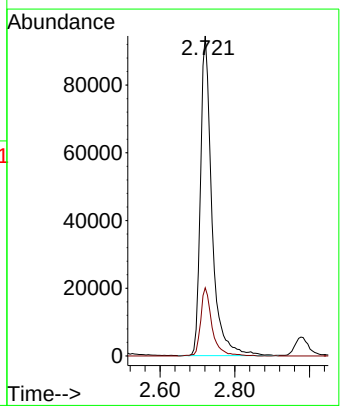


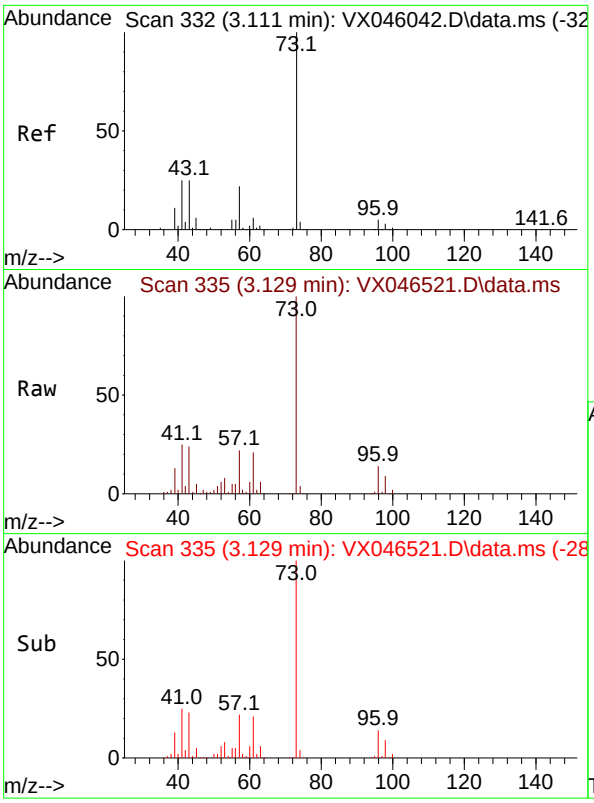


#18
Methyl Acetate
Concen: 108.991 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 200390

Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1

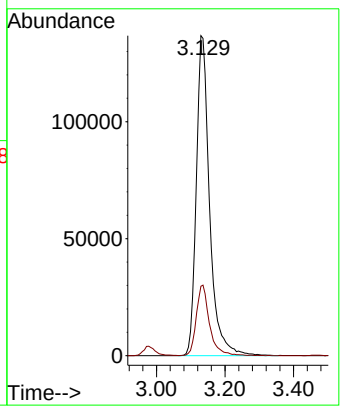




#19
Methyl tert-butyl Ether
Concen: 102.579 ug/l
RT: 3.129 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 73 Resp: 36972

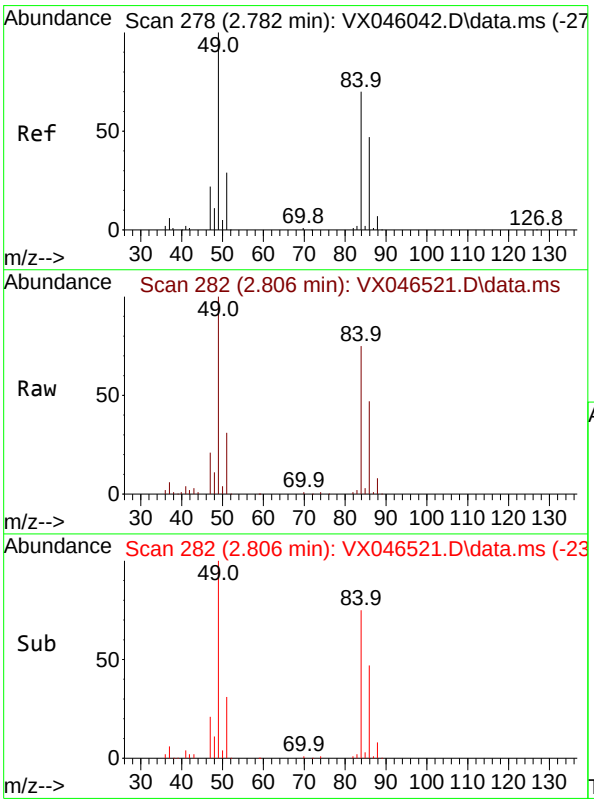
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

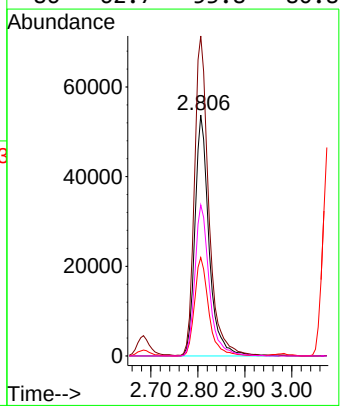
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

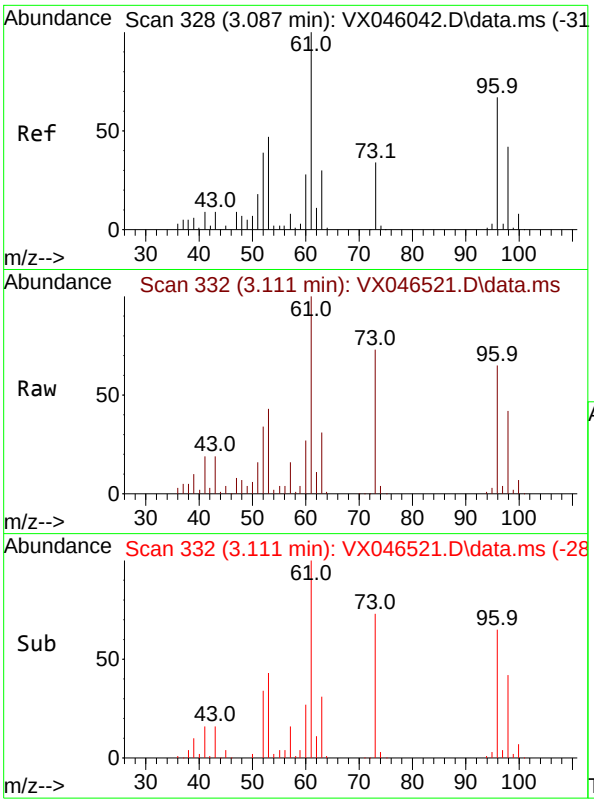


#20
Methylene Chloride
Concen: 90.472 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 84 Resp: 112036

Ion	Ratio	Lower	Upper
84	100		
49	132.4	113.9	170.9
51	40.8	33.5	50.3
86	62.7	53.8	80.8

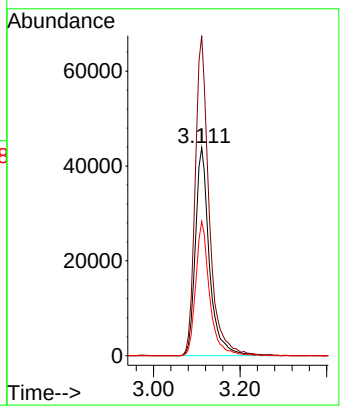




#21
trans-1,2-Dichloroethene
Concen: 90.207 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 96 Resp: 9833

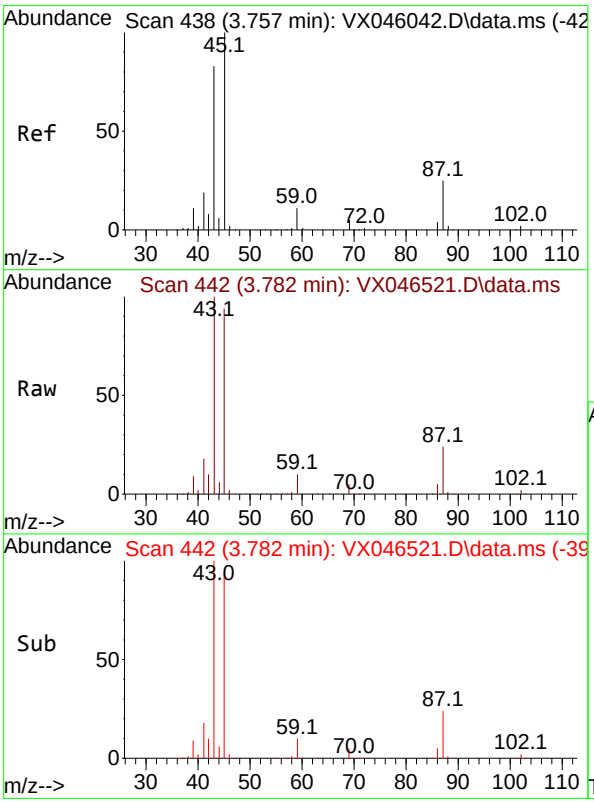
Ion	Ratio	Lower	Upper
96	100		
61	153.8	119.5	179.3
98	64.6	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

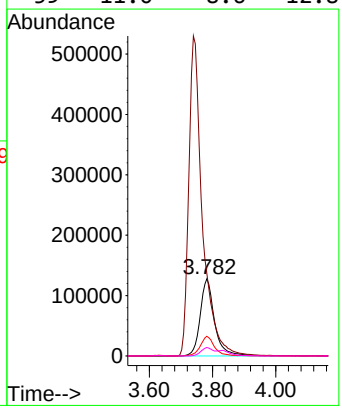
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

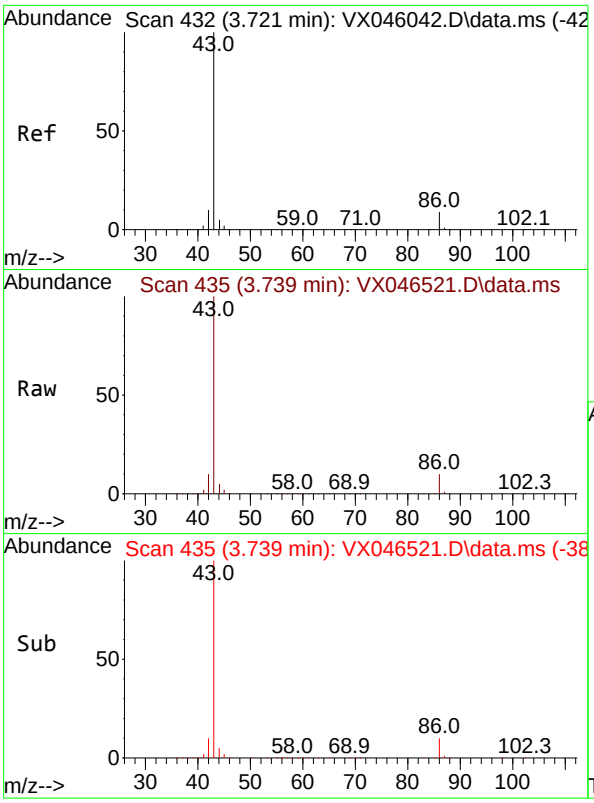


#22
Diisopropyl ether
Concen: 100.889 ug/l
RT: 3.782 min Scan# 442
Delta R.T. -0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 45 Resp: 402386

Ion	Ratio	Lower	Upper
45	100		
43	106.7	66.6	100.0#
87	25.5	19.8	29.6
59	11.0	8.6	12.8





#23
Vinyl Acetate
Concen: 515.860 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

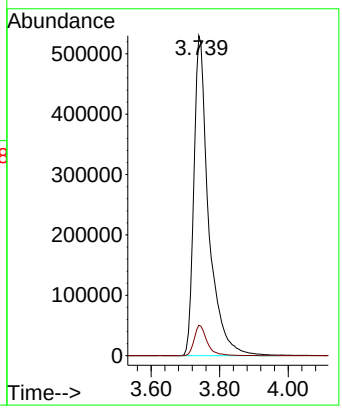
Tgt Ion: 43 Resp: 158847

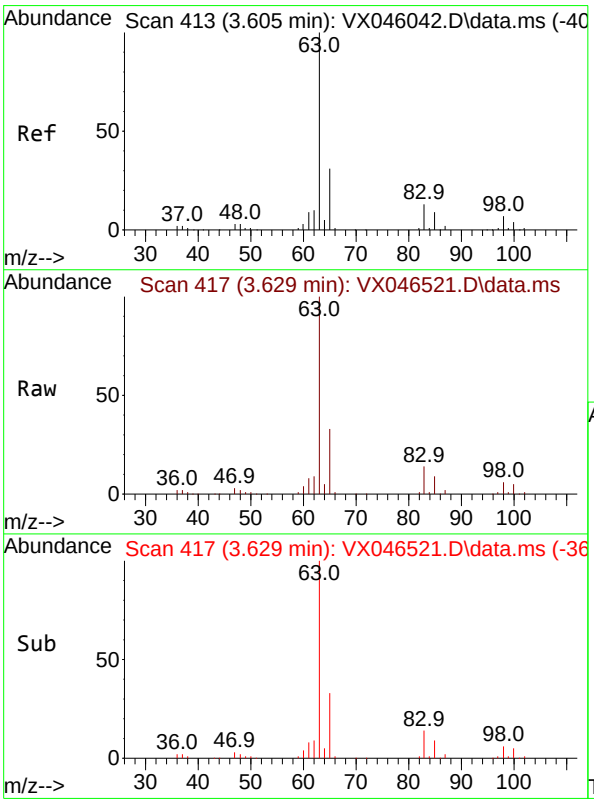
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

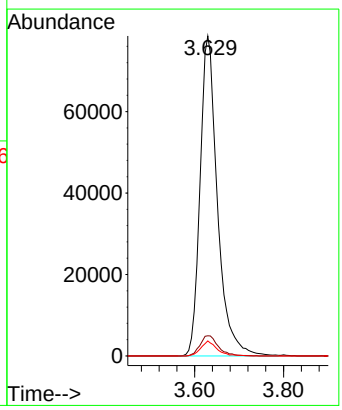


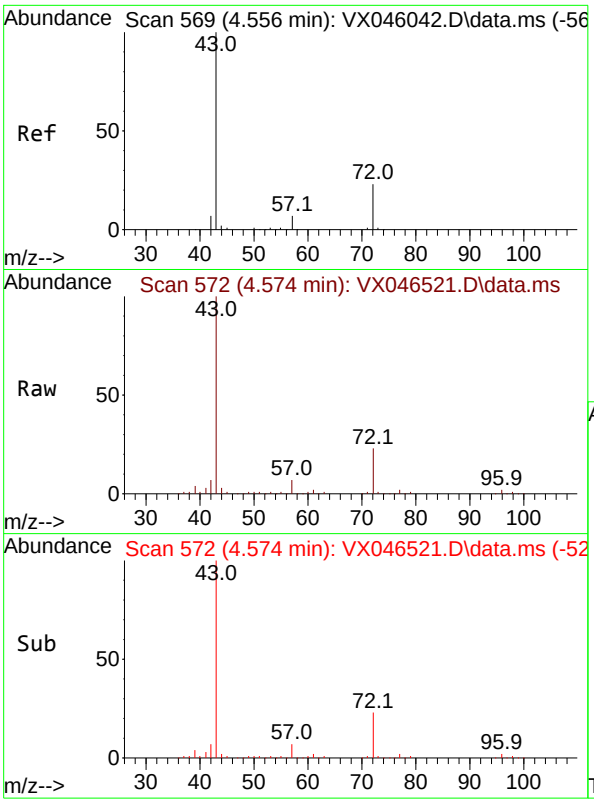


#24
1,1-Dichloroethane
Concen: 96.351 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 63 Resp: 214175

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 516.388 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

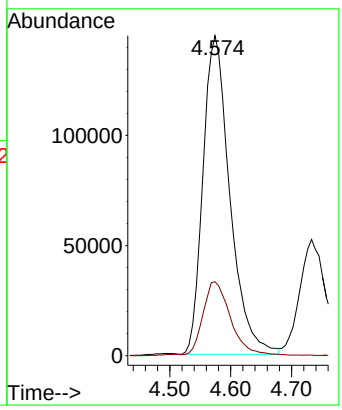
Tgt Ion: 43 Resp: 44371

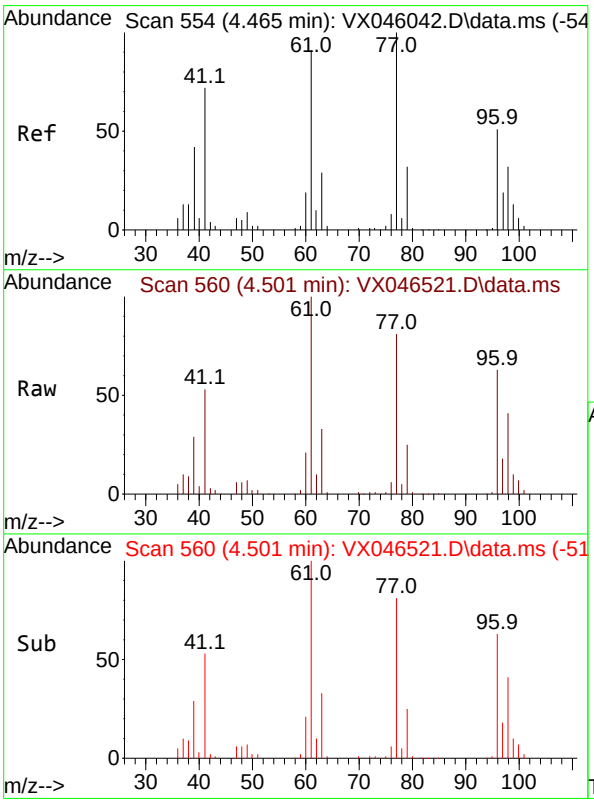
Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

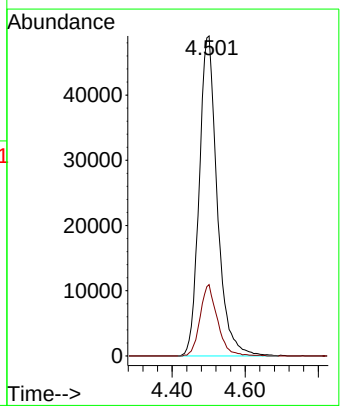


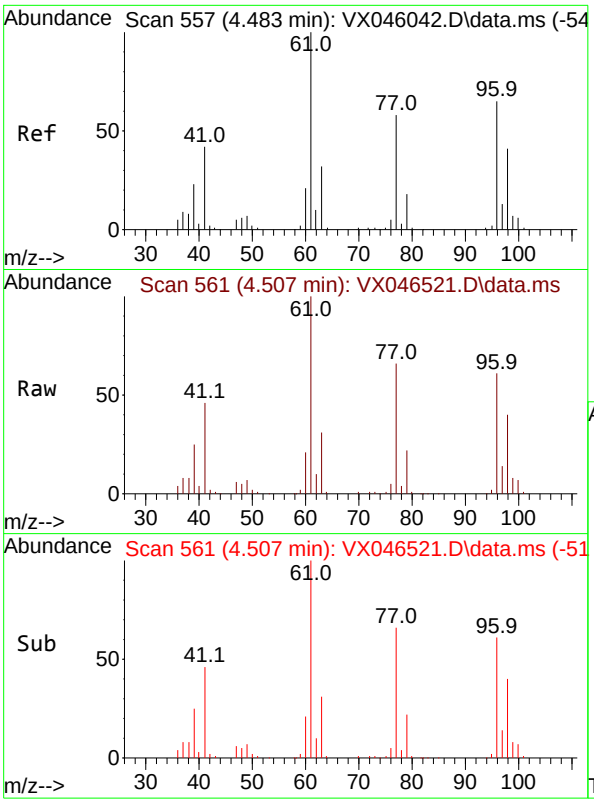


#26
2,2-Dichloropropane
Concen: 101.809 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 77 Resp: 168003

Ion	Ratio	Lower	Upper
77	100		
97	21.5	10.5	31.5

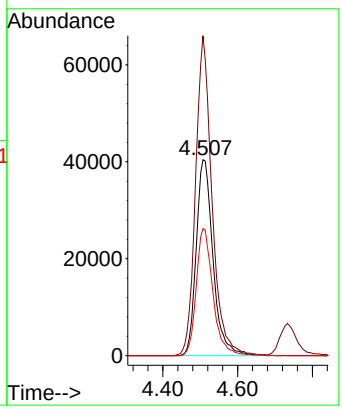




#27
cis-1,2-Dichloroethene
Concen: 94.172 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 96 Resp: 12637

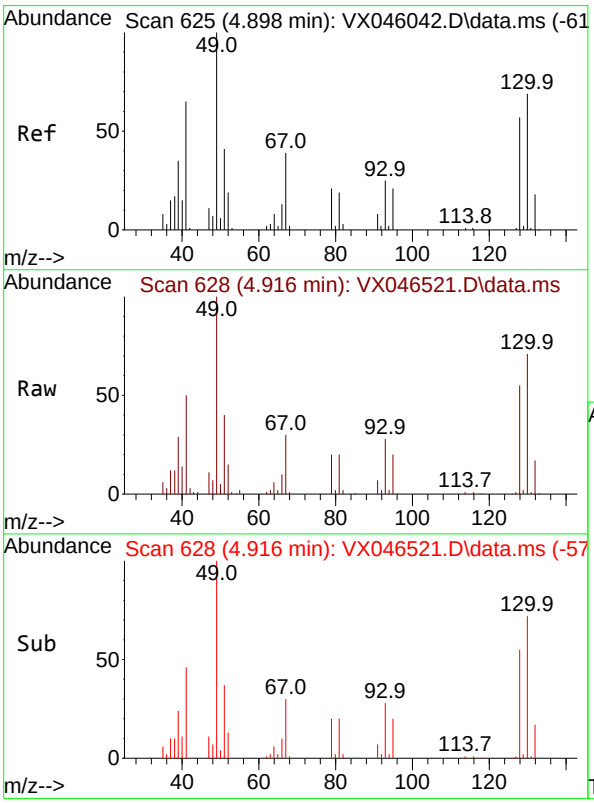
Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	322.8
98	64.4	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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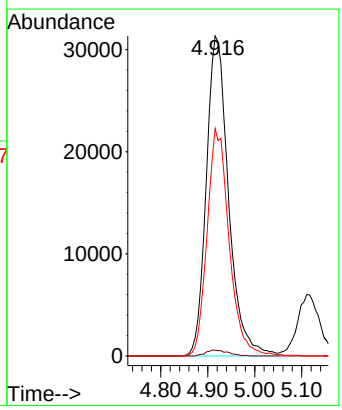
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

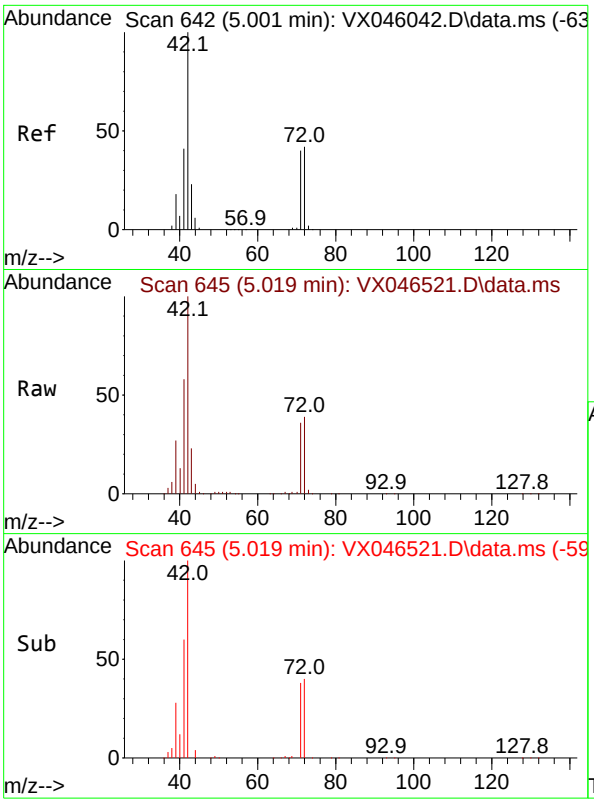


#28
Bromochloromethane
Concen: 97.287 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 49 Resp: 103145

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.1	56.2	84.2

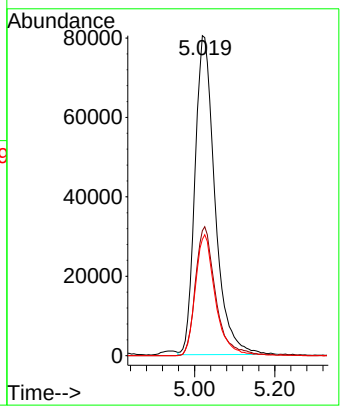




#29
Tetrahydrofuran
Concen: 512.155 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 42 Resp: 27792(

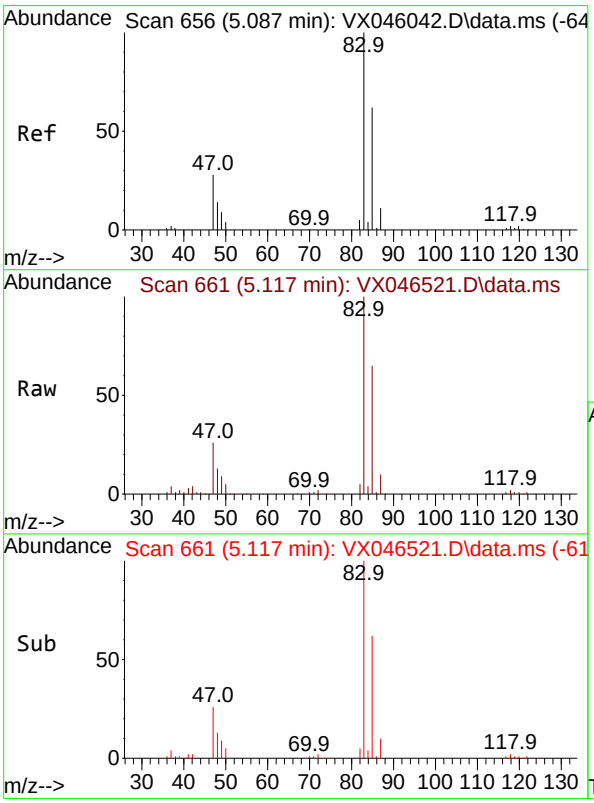
Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	38.0	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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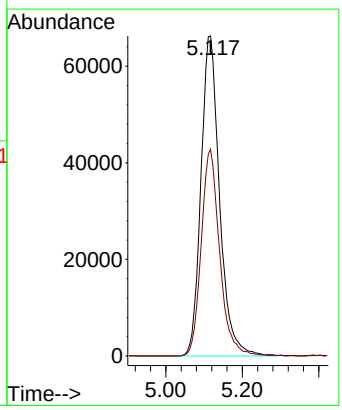
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

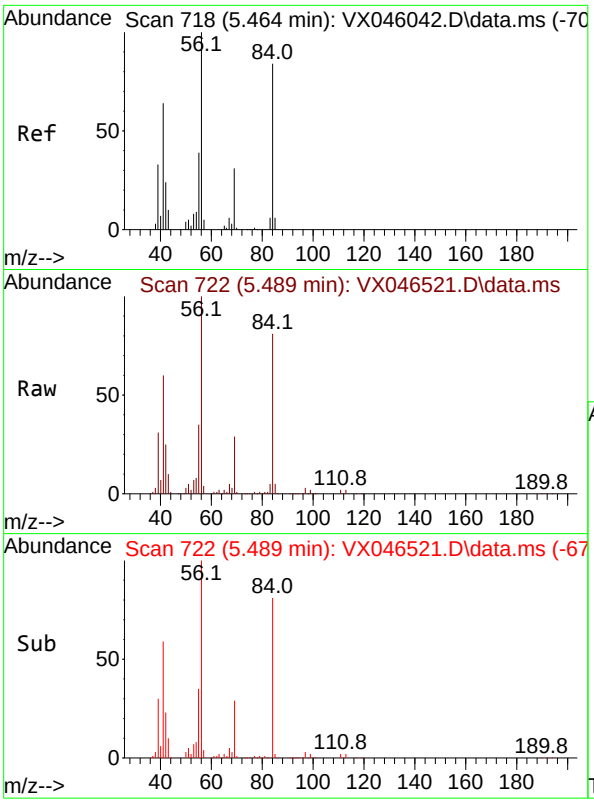


#30
Chloroform
Concen: 96.128 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 83 Resp: 223890

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.3	73.9

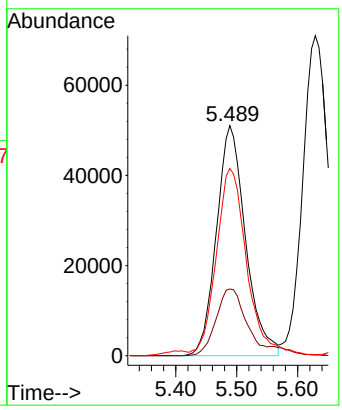




#31
Cyclohexane
Concen: 94.175 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 56 Resp: 16899

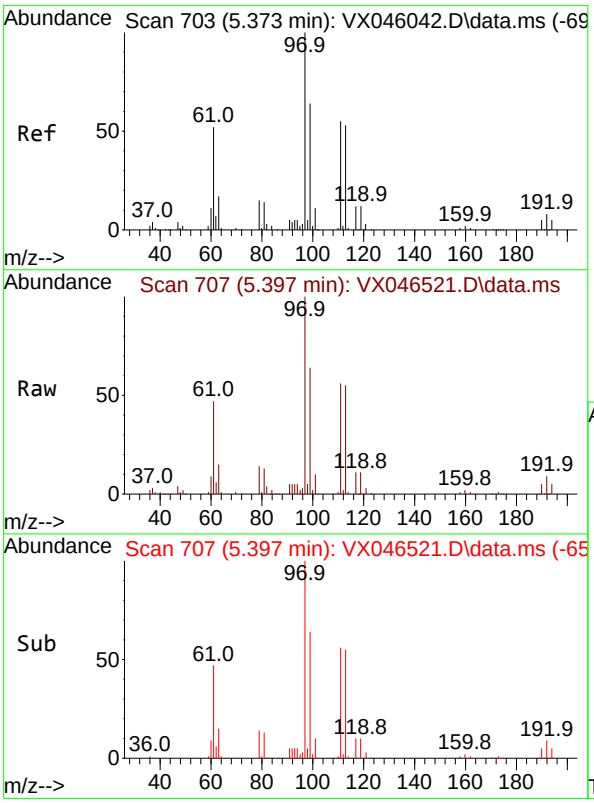
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.4	36.6
84	79.4	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

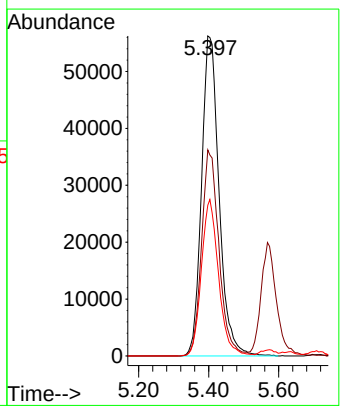
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

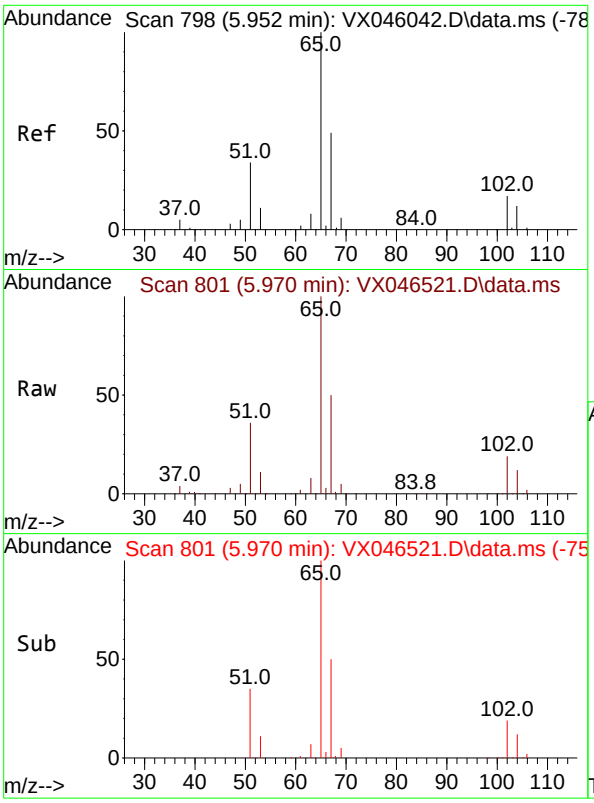


#32
1,1,1-Trichloroethane
Concen: 98.210 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 97 Resp: 195664

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	48.1	40.1	60.1

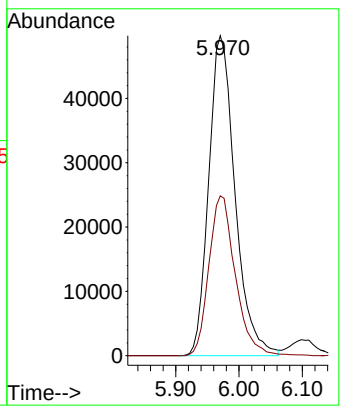




#33
1,2-Dichloroethane-d4
Concen: 93.131 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 65 Resp: 14375

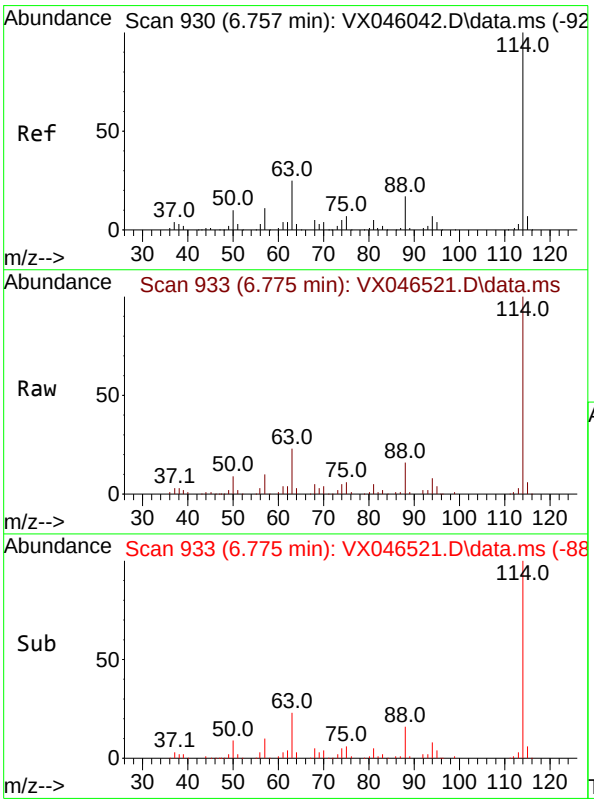
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

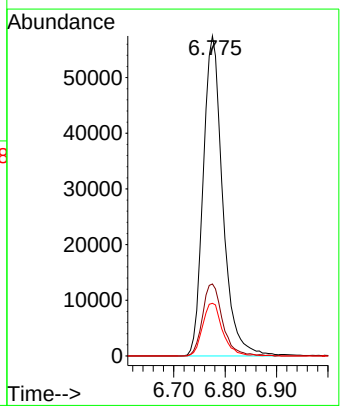
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

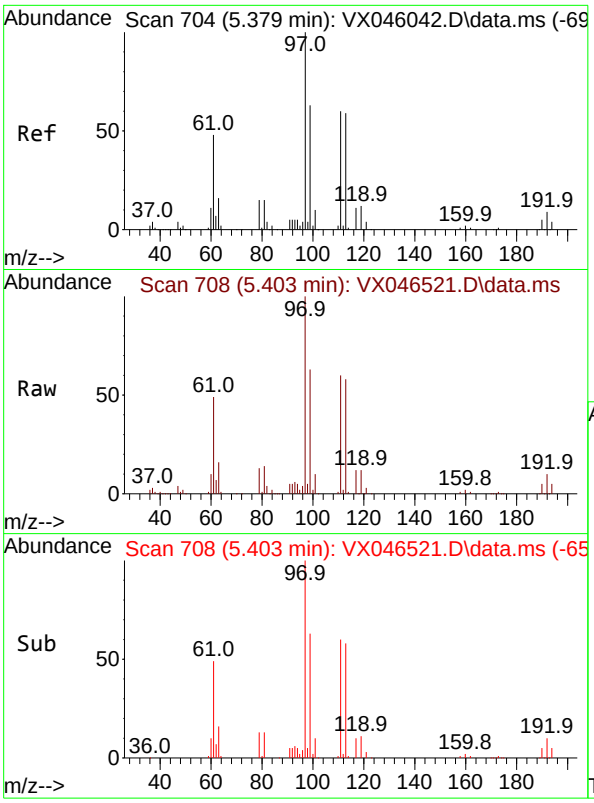


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:114 Resp: 151628

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	49.2
88	16.5	0.0	33.6

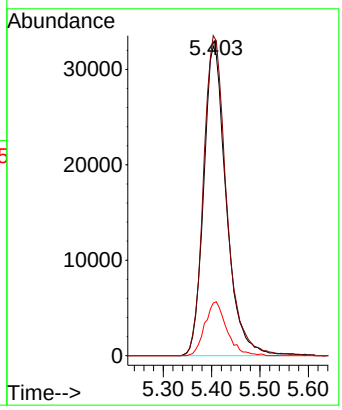




#35
Dibromofluoromethane
Concen: 94.377 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:113 Resp: 10523

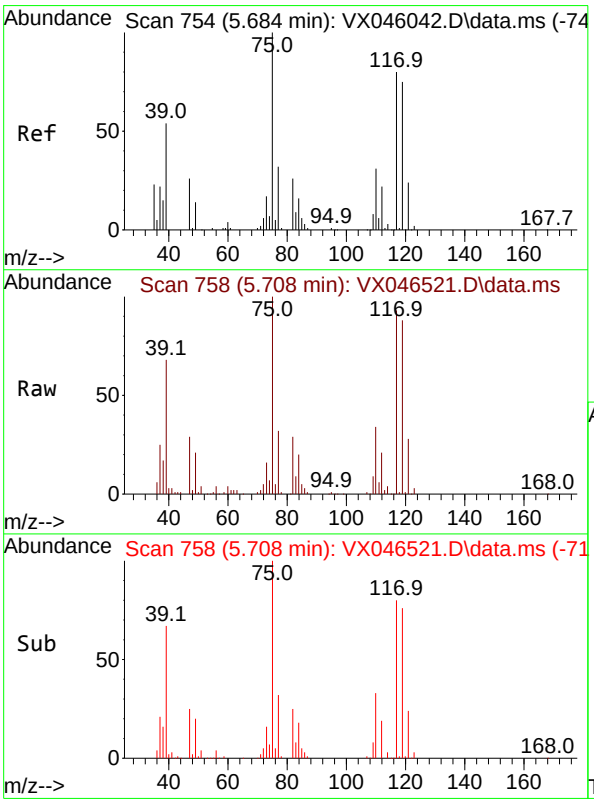
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.1	124.7
192	17.0	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

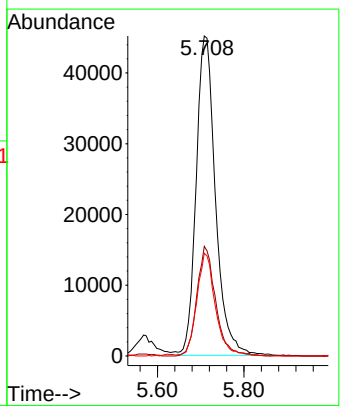
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

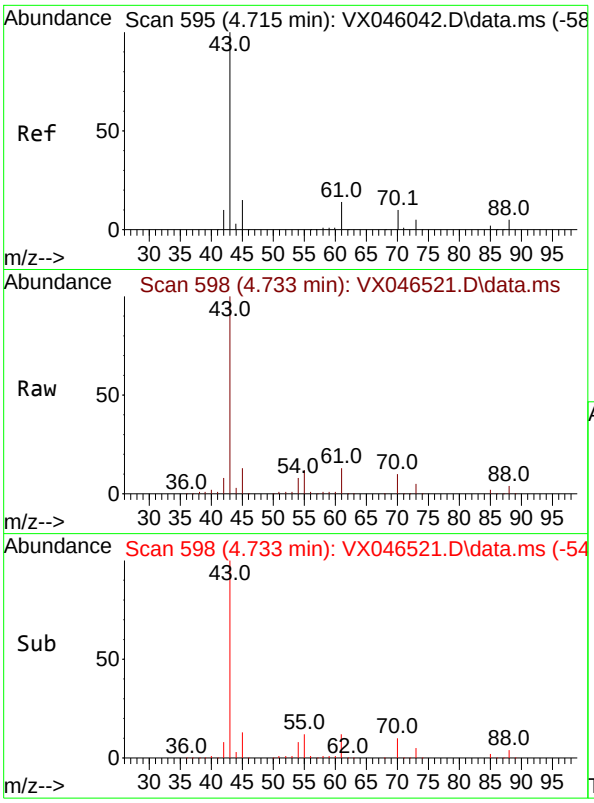


#36
1,1-Dichloropropene
Concen: 87.846 ug/l
RT: 5.708 min Scan# 758
Delta R.T. -0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 75 Resp: 139920

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.3	48.9
77	31.1	24.3	36.5

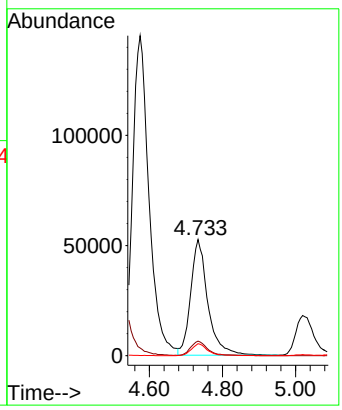




#37
Ethyl Acetate
Concen: 110.381 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 17155

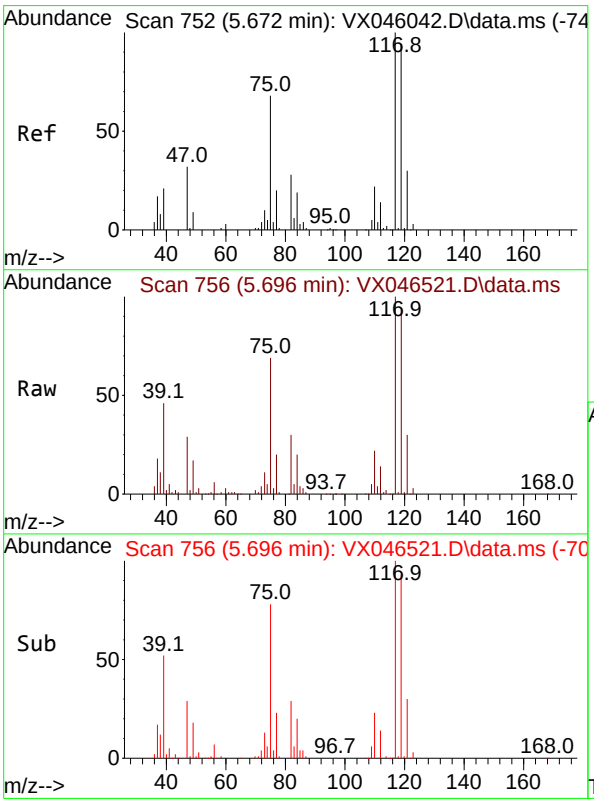
Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.3	15.5
70	9.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

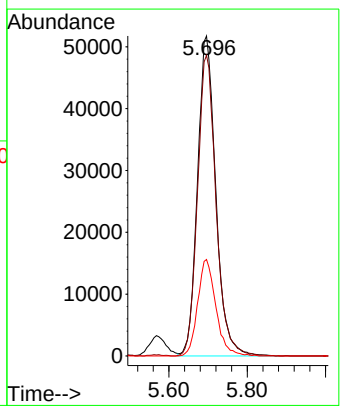
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

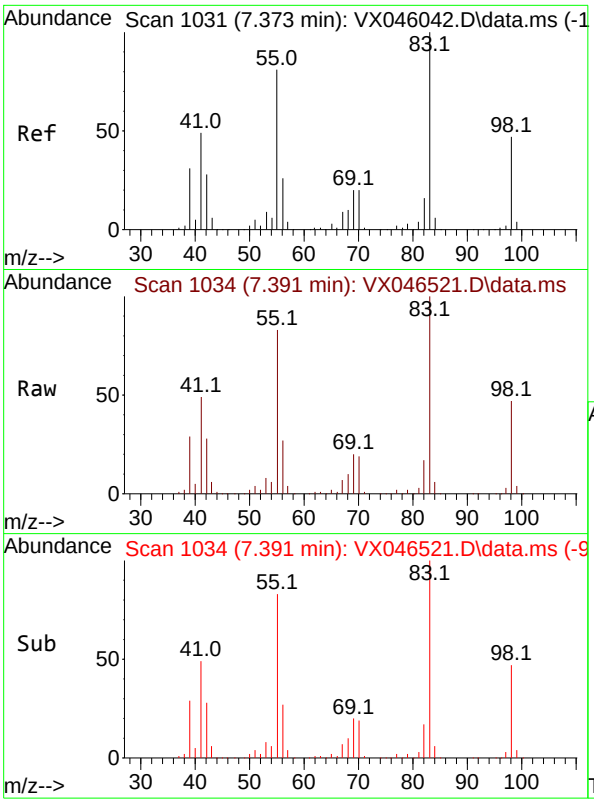


#38
Carbon Tetrachloride
Concen: 94.183 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:117 Resp: 168024

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.2	112.8
121	30.1	24.2	36.4

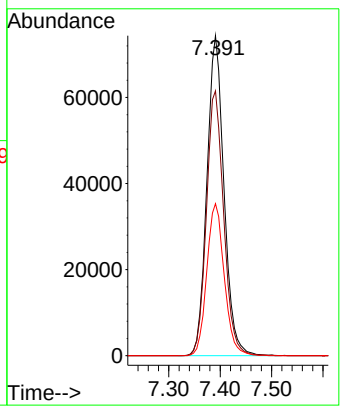




#39
Methylcyclohexane
Concen: 91.127 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 83 Resp: 17132

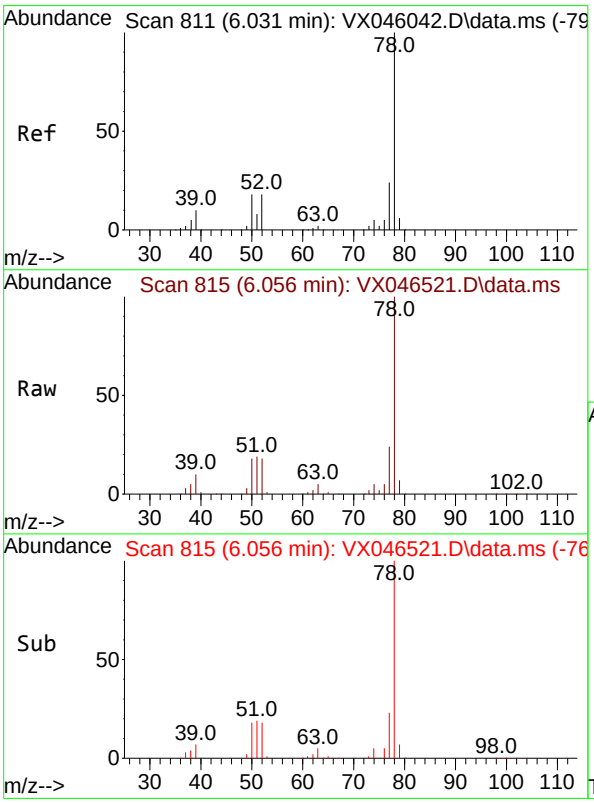
Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	47.5	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

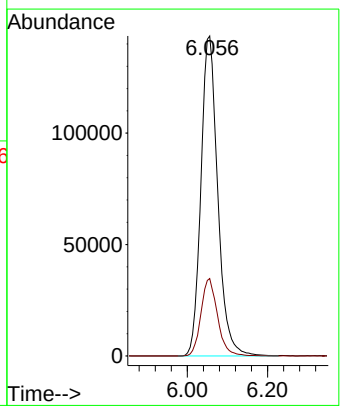
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

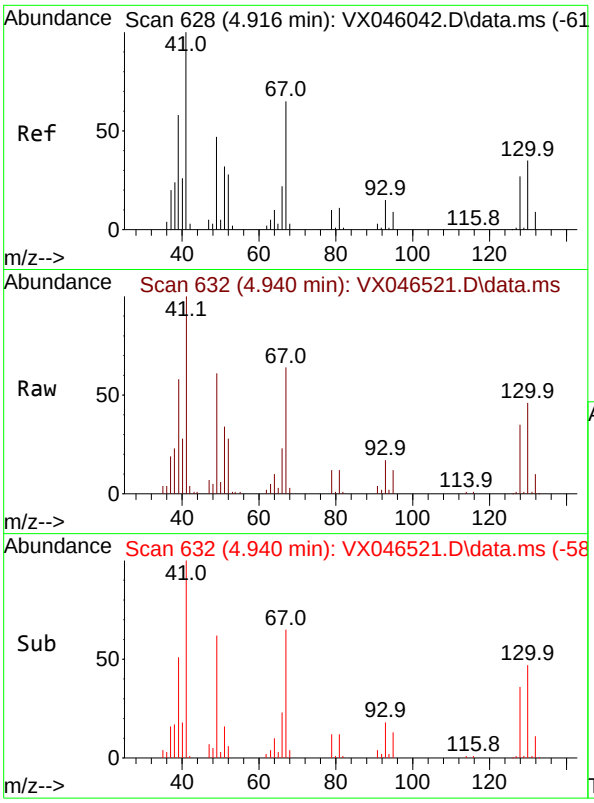


#40
Benzene
Concen: 93.347 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 78 Resp: 418566

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

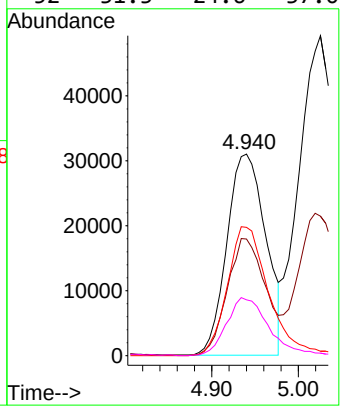




#41
Methacrylonitrile
Concen: 100.381 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 41 Resp: 9690

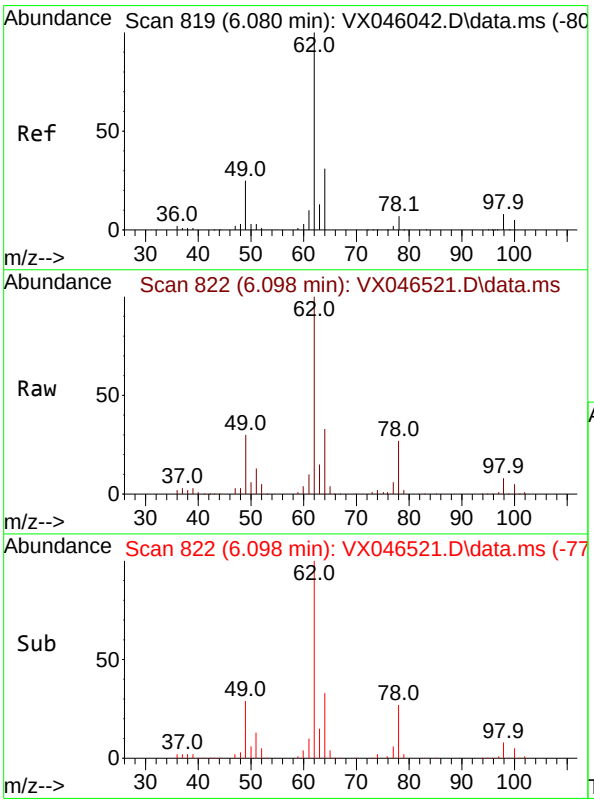
Ion	Ratio	Lower	Upper
41	100		
39	56.4	47.2	70.8
67	68.8	50.7	76.1
52	31.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

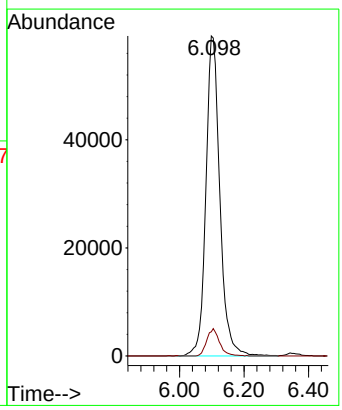
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

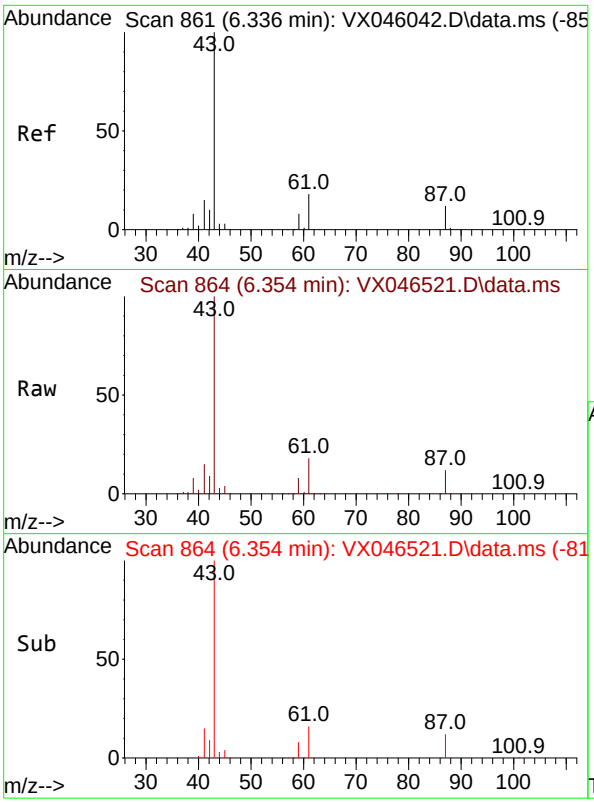


#42
1,2-Dichloroethane
Concen: 95.311 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 62 Resp: 177798

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.2

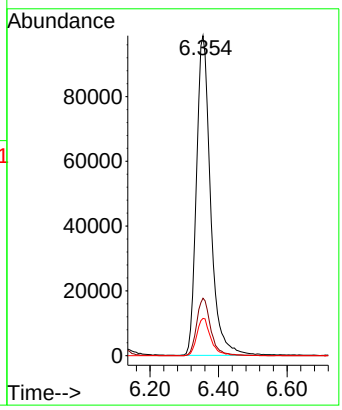




#43
Isopropyl Acetate
Concen: 104.651 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 28361

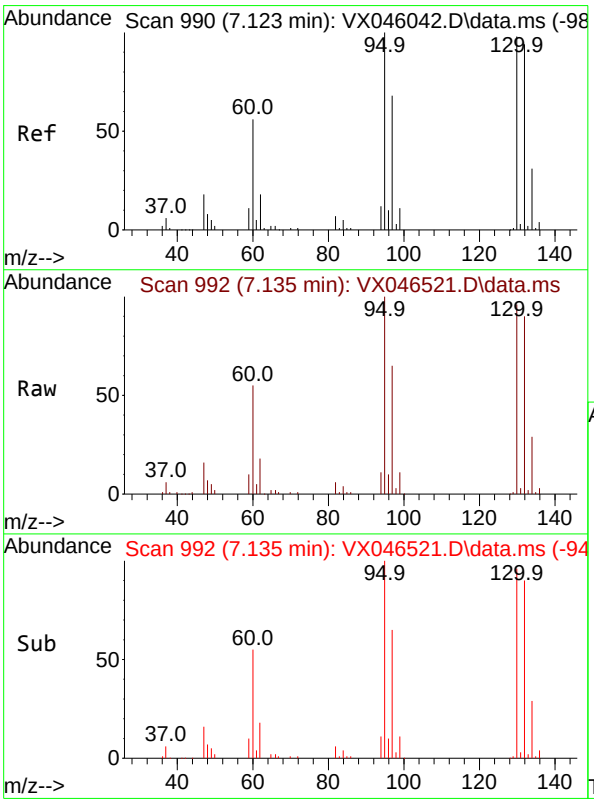
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

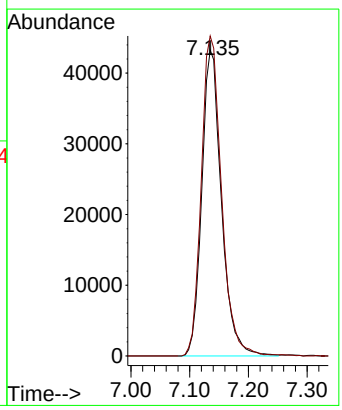
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

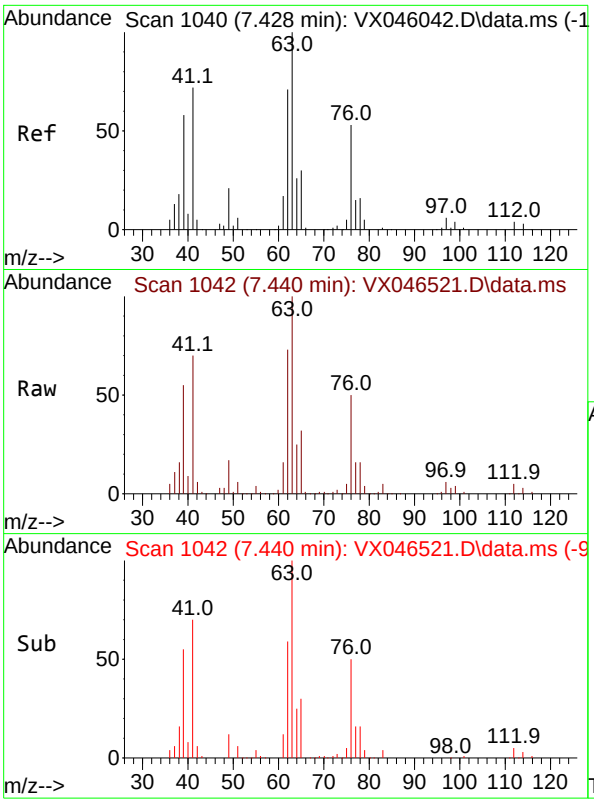


#44
Trichloroethene
Concen: 88.399 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:130 Resp: 100714

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	204.2

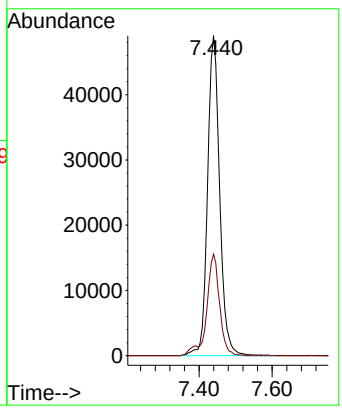




#45
1,2-Dichloropropane
Concen: 97.071 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 63 Resp: 11234

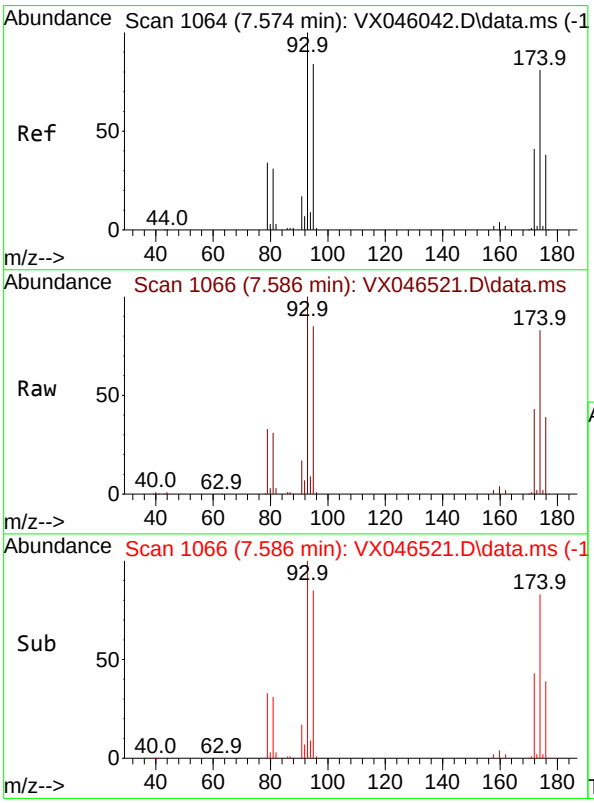
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

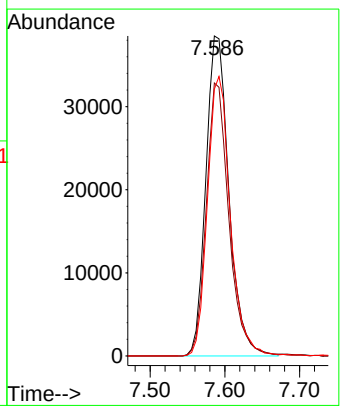
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

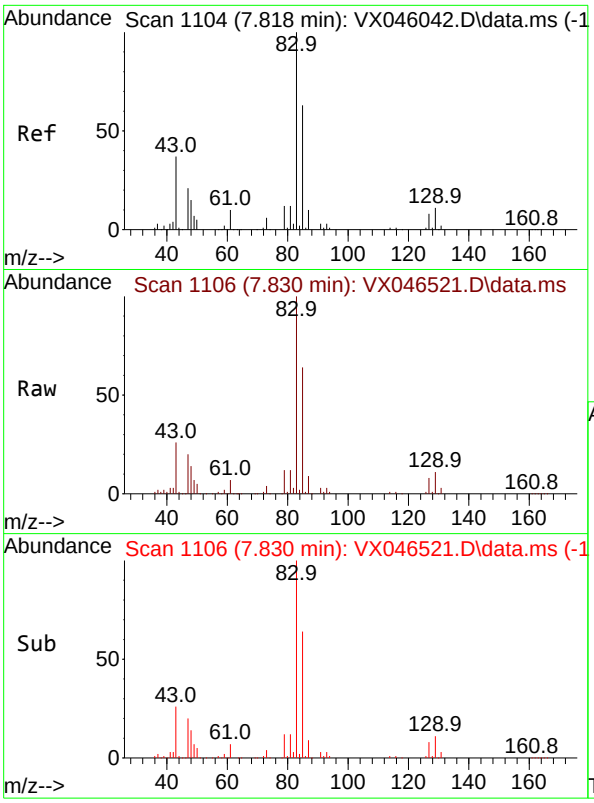


#46
Dibromomethane
Concen: 94.883 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 93 Resp: 82614

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.6	98.4
174	86.7	68.2	102.2

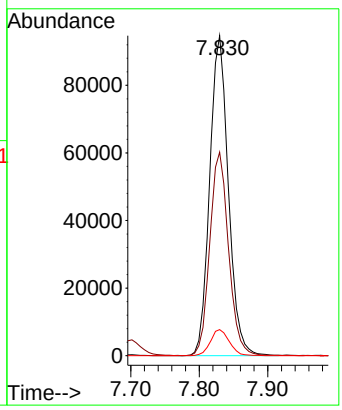




#47
Bromodichloromethane
Concen: 99.847 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 83 Resp: 17875

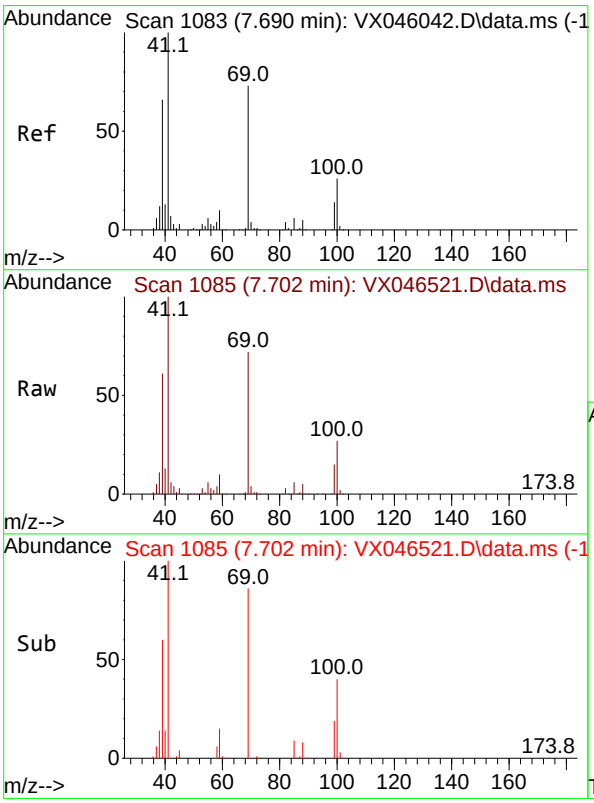
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.5	75.7
127	8.2	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

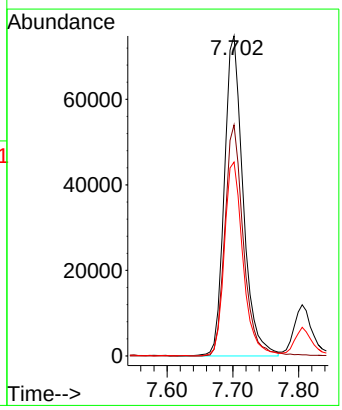
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

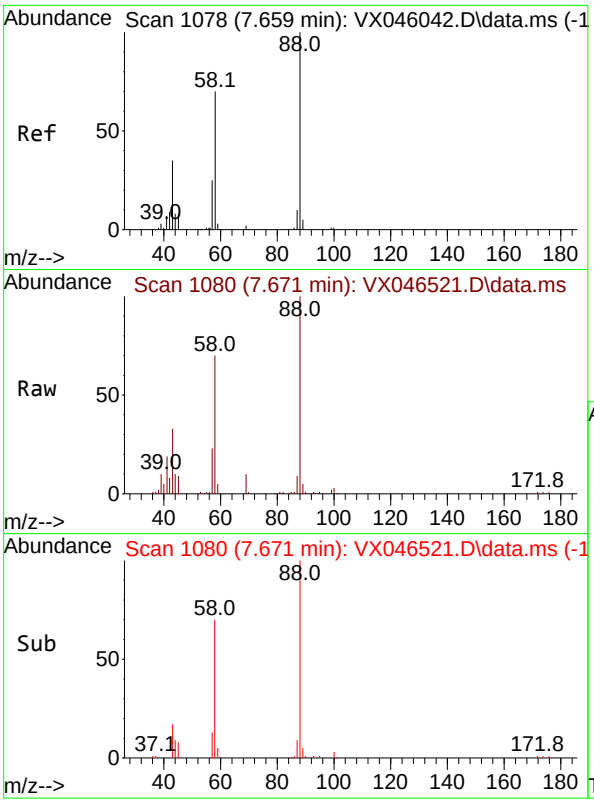


#48
Methyl methacrylate
Concen: 106.461 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 41 Resp: 148448

Ion	Ratio	Lower	Upper
41	100		
69	71.9	58.5	87.7
39	60.4	51.7	77.5

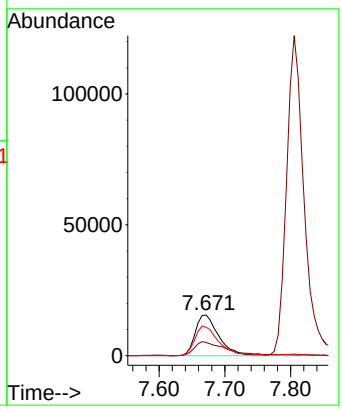




#49
1,4-Dioxane
Concen: 2119.509 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 88 Resp: 3952

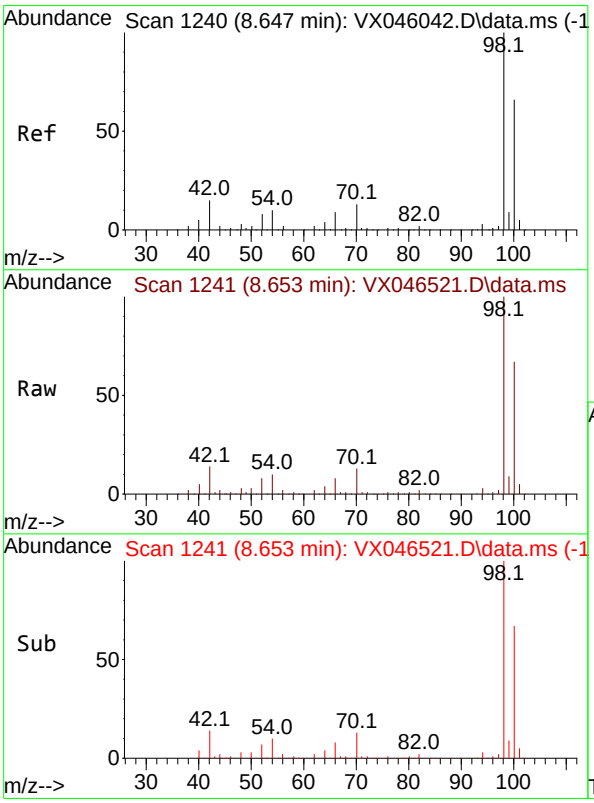
Ion	Ratio	Lower	Upper
88	100		
43	42.2	33.4	50.2
58	73.9	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

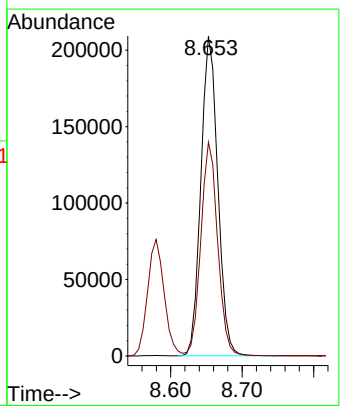
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

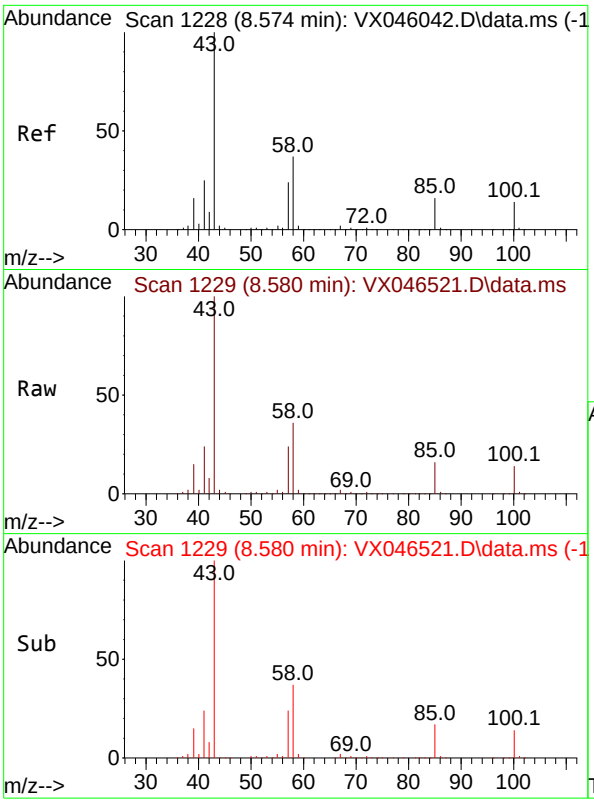


#50
Toluene-d8
Concen: 93.402 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 98 Resp: 343367

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3

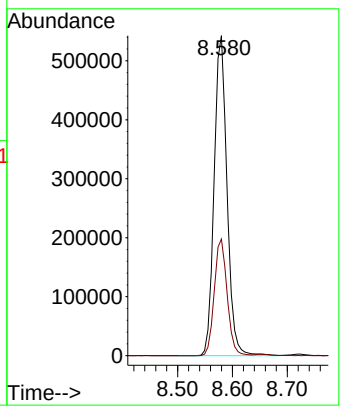




#51
4-Methyl-2-Pentanone
Concen: 512.682 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 88292

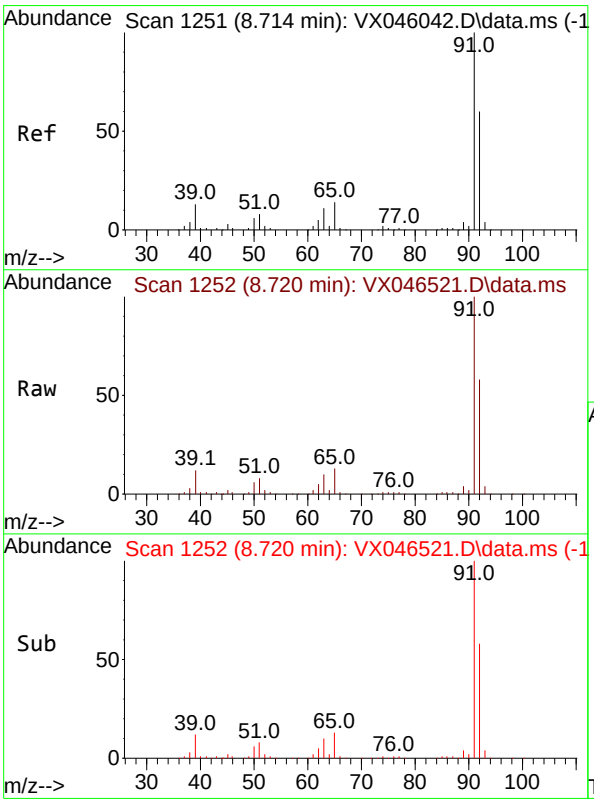
Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

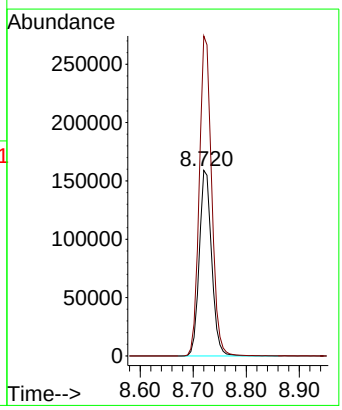
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

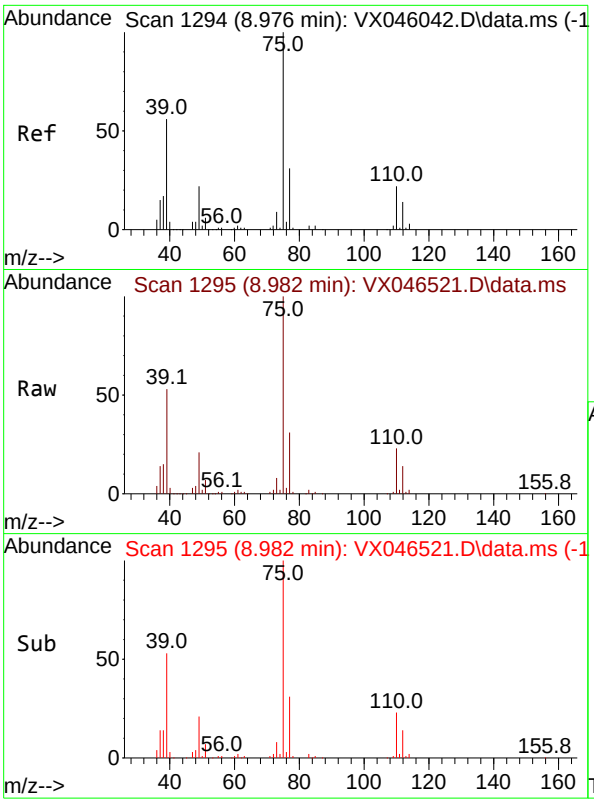


#52
Toluene
Concen: 93.489 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 92 Resp: 257539

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.6	205.0

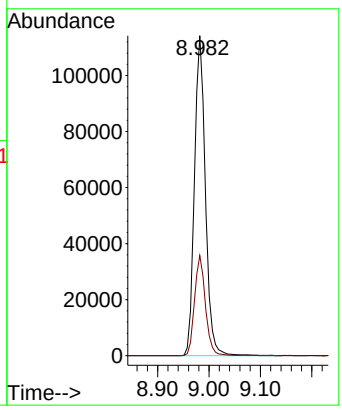




#53
t-1,3-Dichloropropene
Concen: 105.552 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 75 Resp: 16943

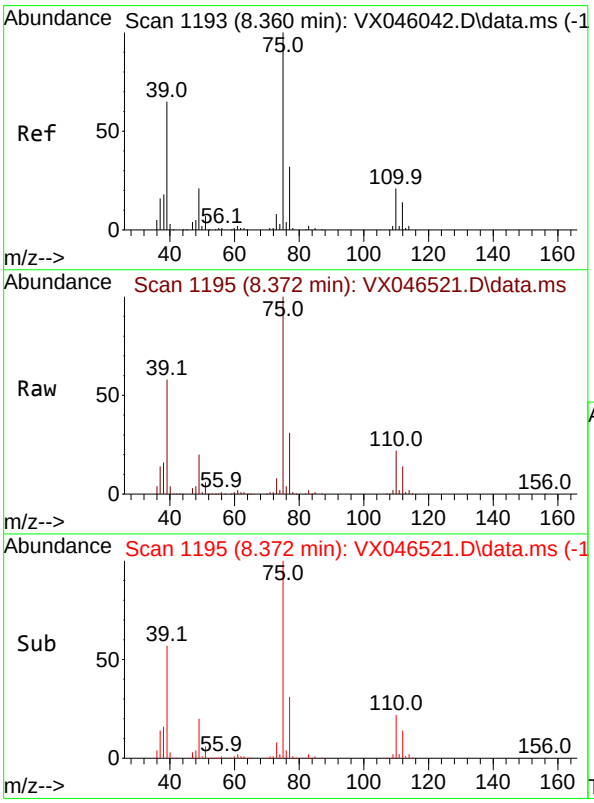
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

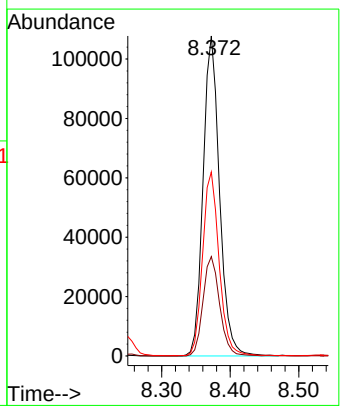
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

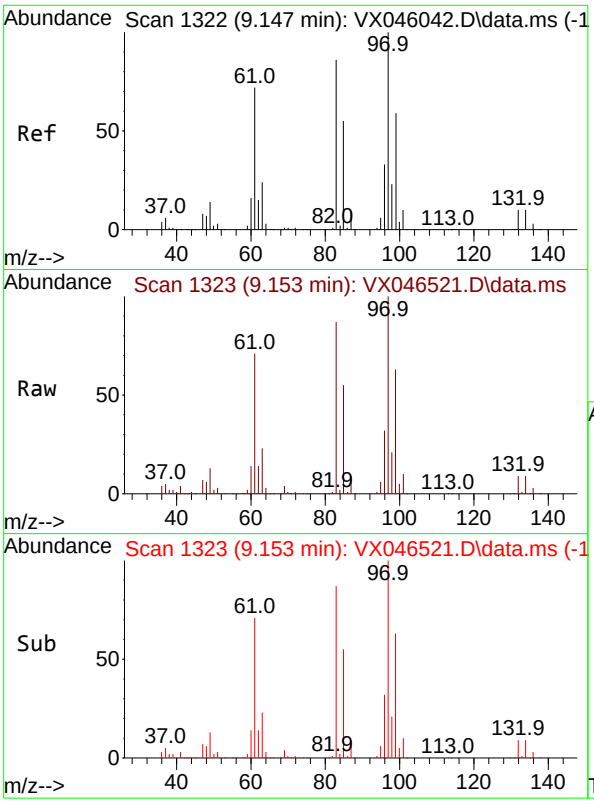


#54
cis-1,3-Dichloropropene
Concen: 101.023 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 75 Resp: 180299

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	57.4	52.2	78.4

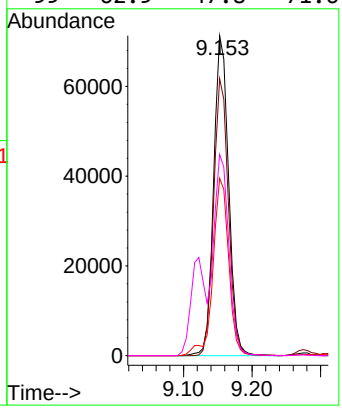




#55
1,1,2-Trichloroethane
Concen: 97.502 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 97 Resp: 10782

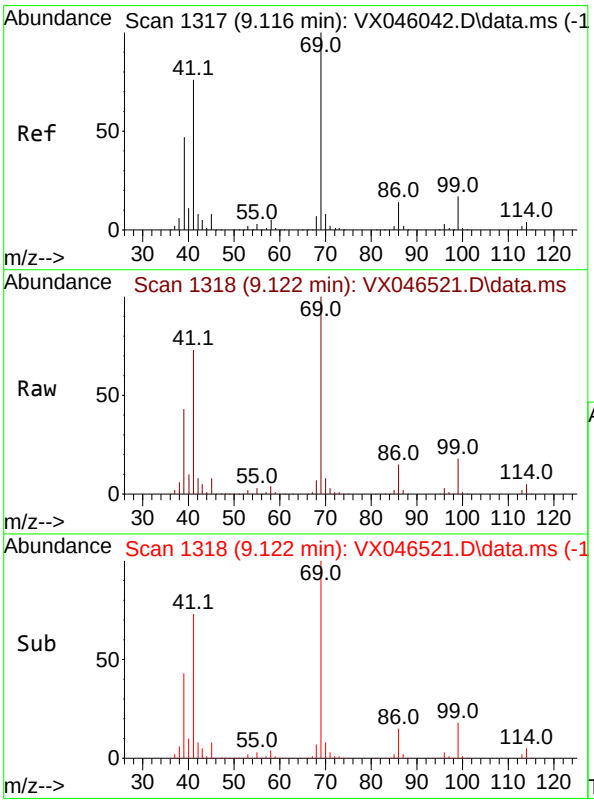
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.0	103.6
85	55.5	44.3	66.5
99	62.9	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

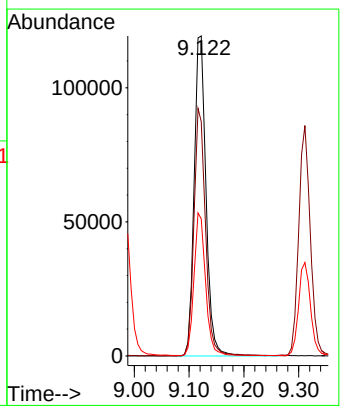
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

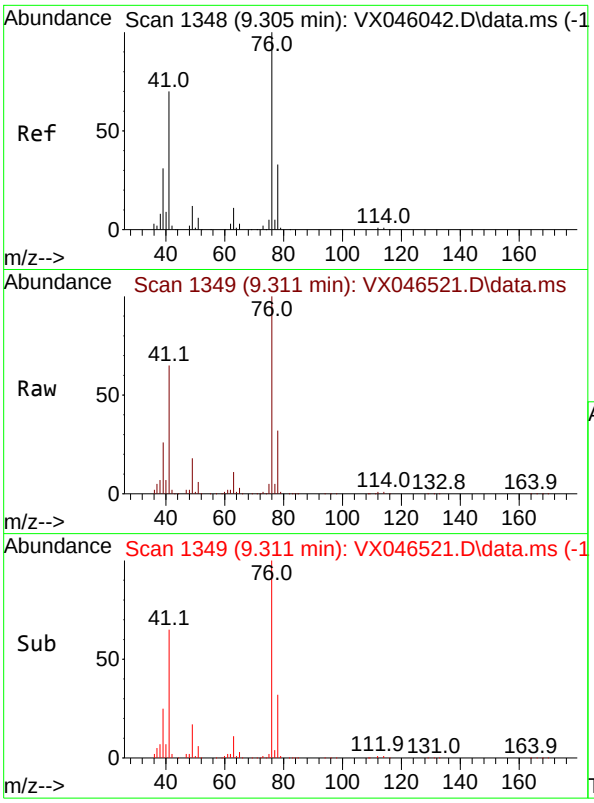


#56
Ethyl methacrylate
Concen: 105.935 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 69 Resp: 180282

Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.8	91.2
39	43.7	39.0	58.6

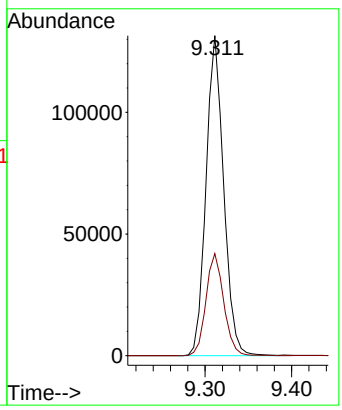




#57
1,3-Dichloropropane
Concen: 94.990 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 76 Resp: 18564

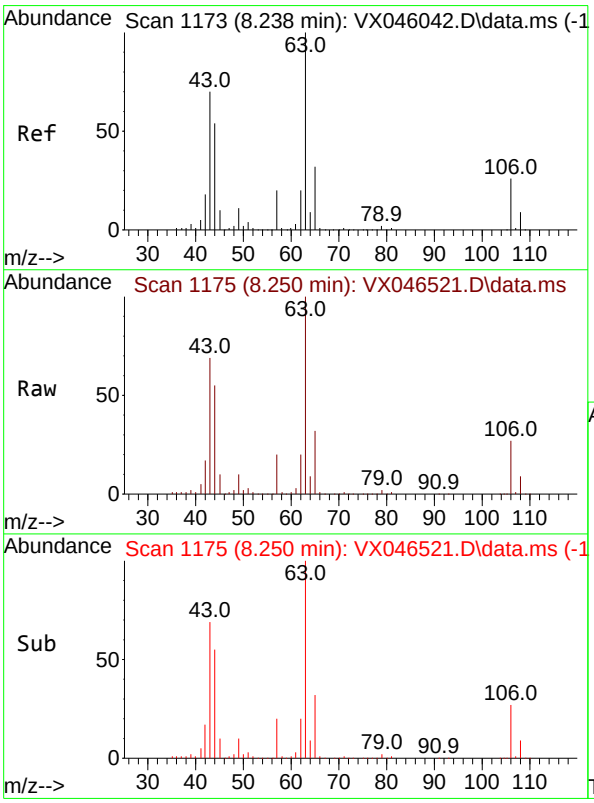
Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

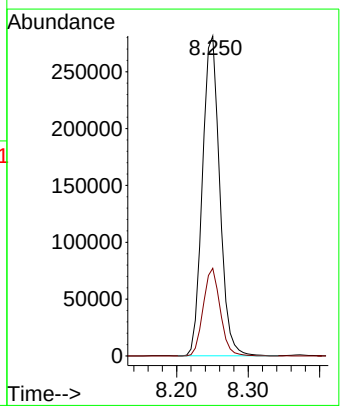
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

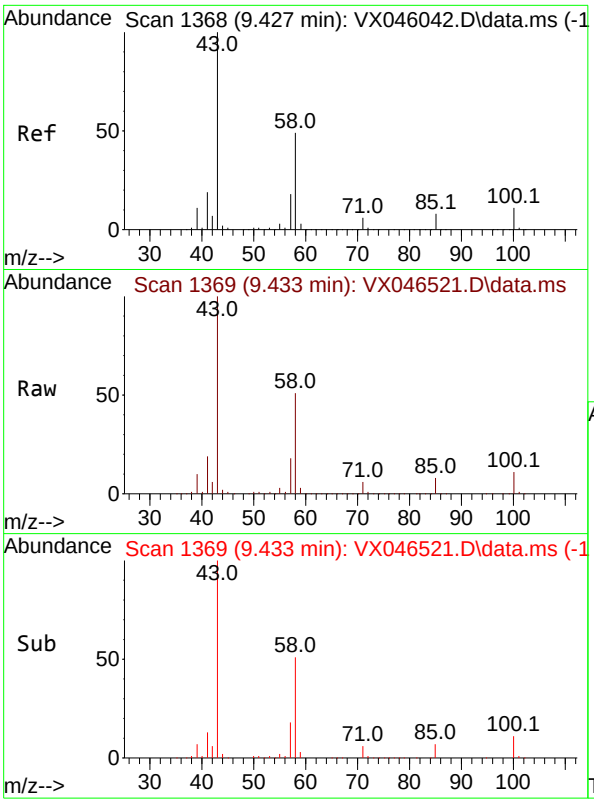


#58
2-Chloroethyl Vinyl ether
Concen: 509.557 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 63 Resp: 472343

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3





#59
2-Hexanone
Concen: 514.792 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

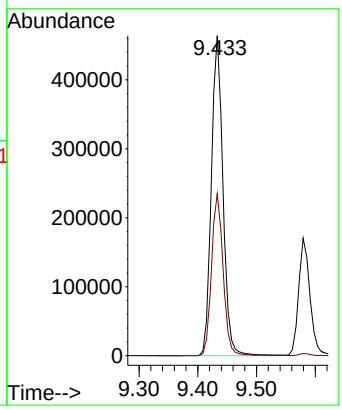
Tgt Ion: 43 Resp: 63582

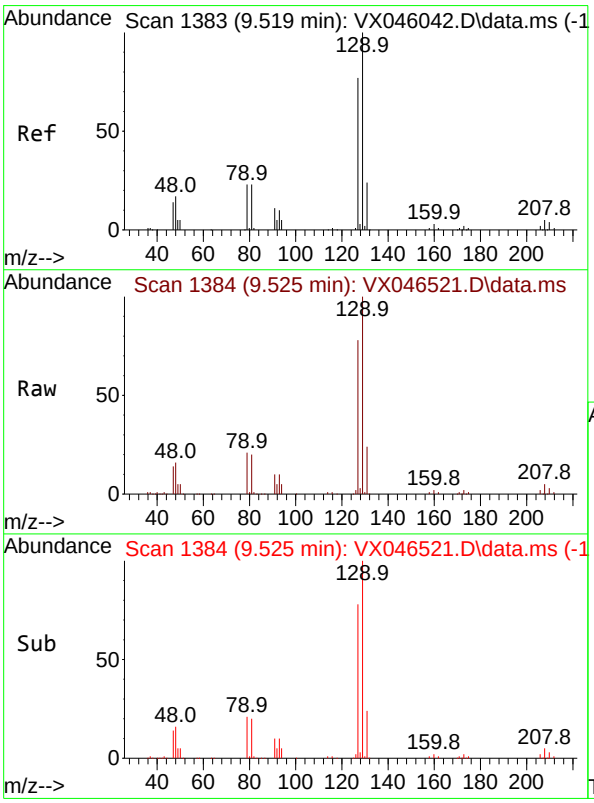
Ion	Ratio	Lower	Upper
43	100		
58	50.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

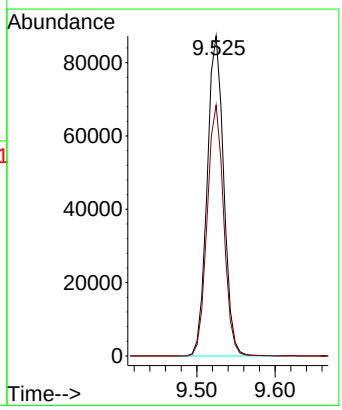


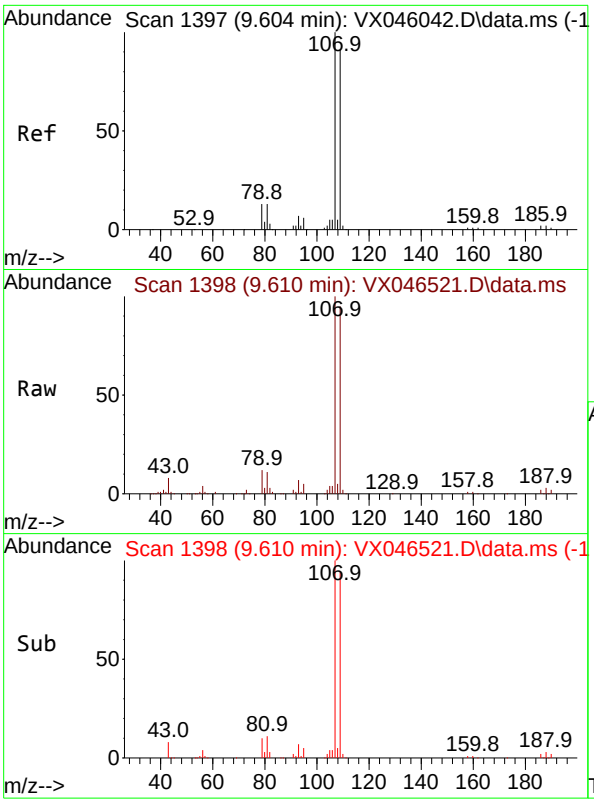


#60
Dibromochloromethane
Concen: 98.404 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:129 Resp: 128006

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8

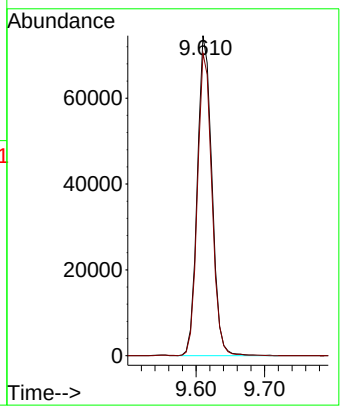




#61
1,2-Dibromoethane
Concen: 95.976 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:107 Resp: 11060

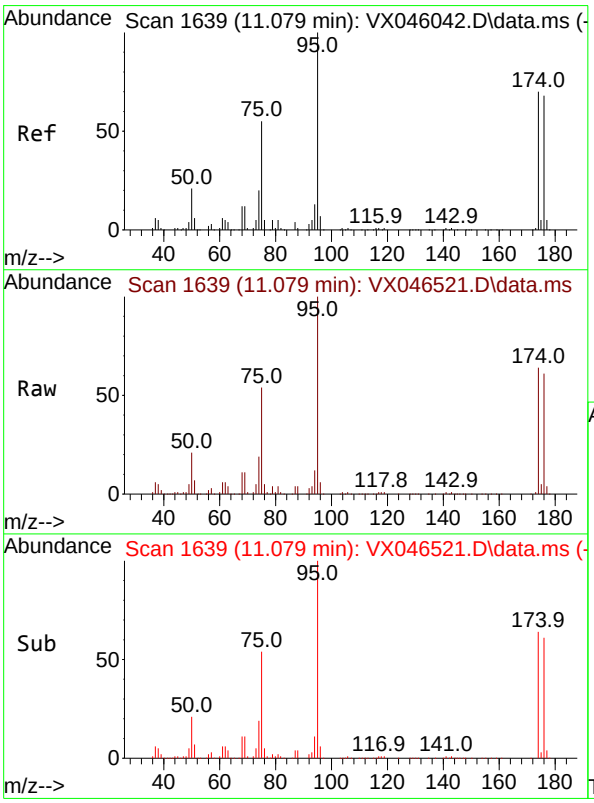
Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

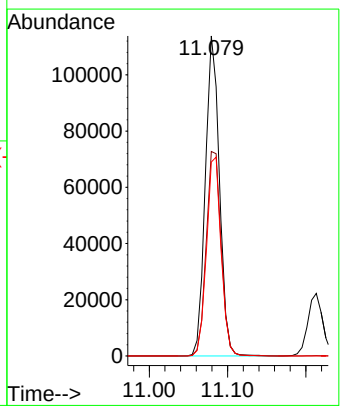
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

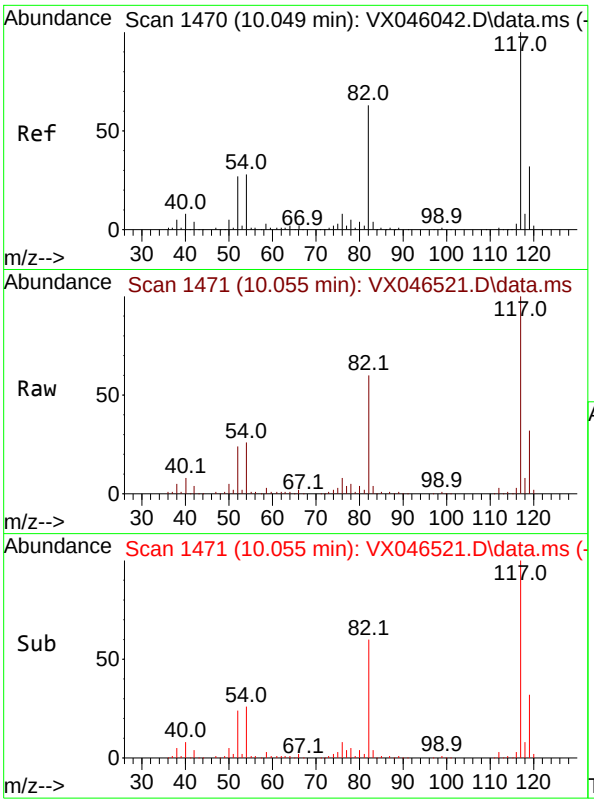


#62
4-Bromofluorobenzene
Concen: 93.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 95 Resp: 141905

Ion	Ratio	Lower	Upper
95	100		
174	67.7	0.0	135.8
176	64.4	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

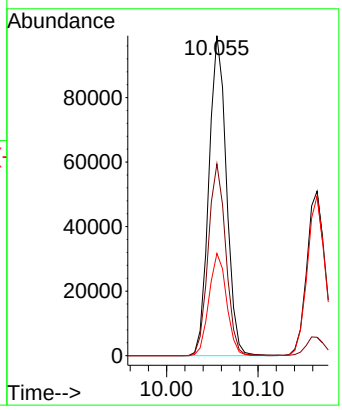
Tgt Ion:117 Resp: 13192

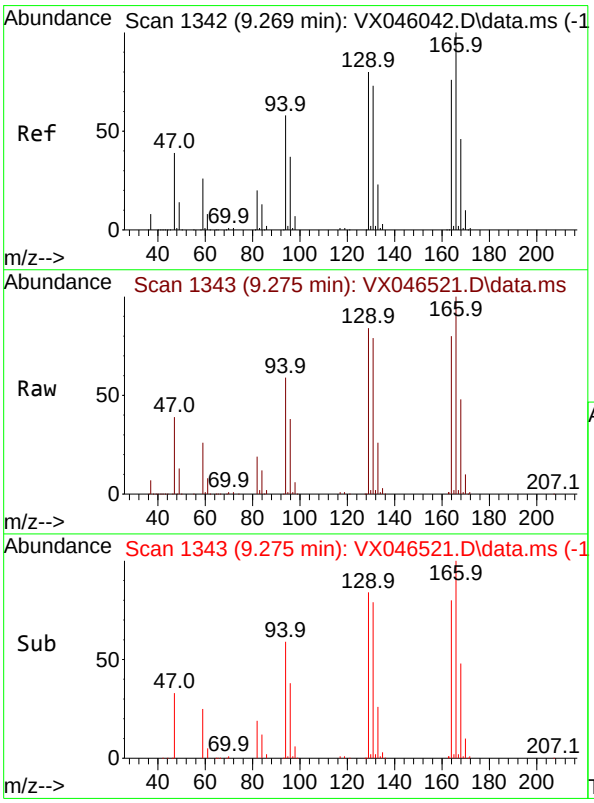
Ion	Ratio	Lower	Upper
117	100		
82	59.9	50.6	76.0
119	32.0	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

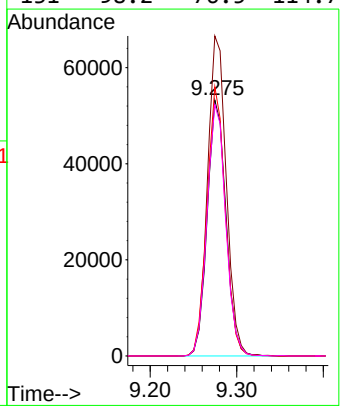


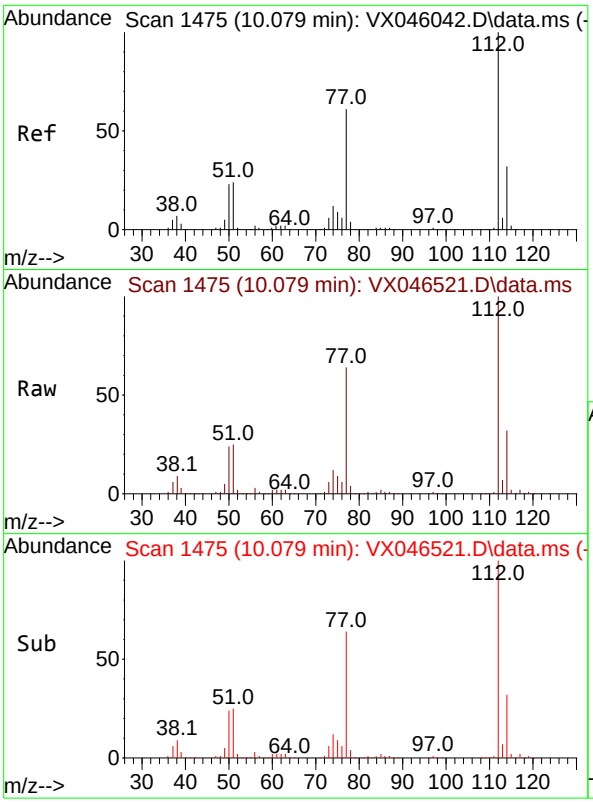


#64
Tetrachloroethene
Concen: 90.169 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:164 Resp: 79545

Ion	Ratio	Lower	Upper
164	100		
166	125.1	105.0	157.6
129	105.2	83.5	125.3
131	98.2	76.5	114.7

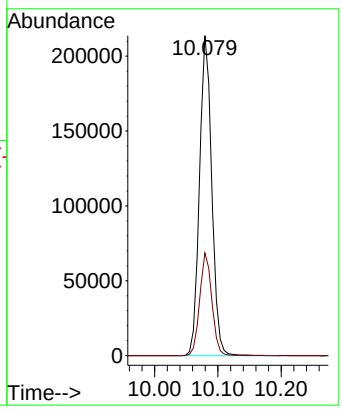




#65
Chlorobenzene
Concen: 93.171 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:112 Resp: 28908

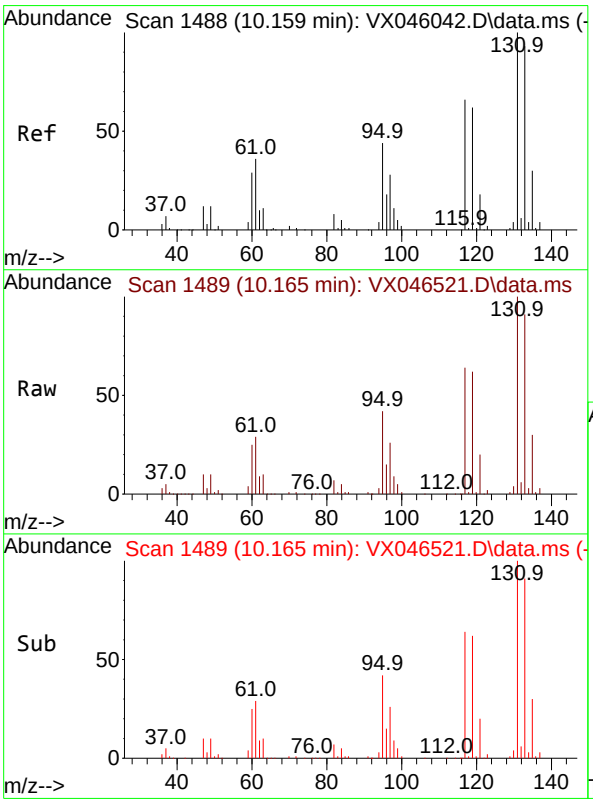
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

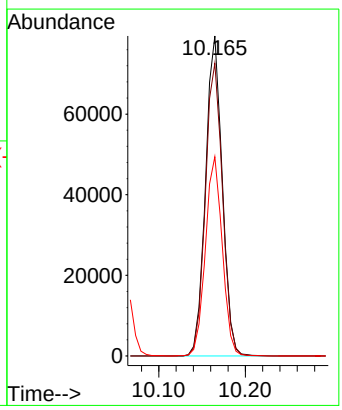
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

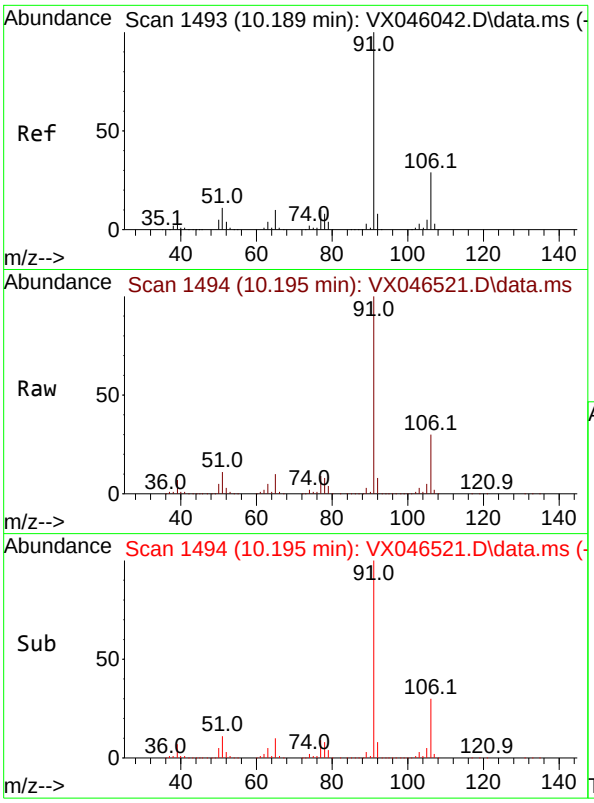


#66
1,1,1,2-Tetrachloroethane
Concen: 101.705 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:131 Resp: 106634

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	141.9
119	62.8	31.6	95.0

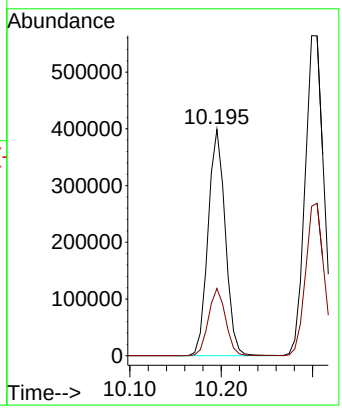




#67
Ethyl Benzene
Concen: 96.013 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 91 Resp: 52006

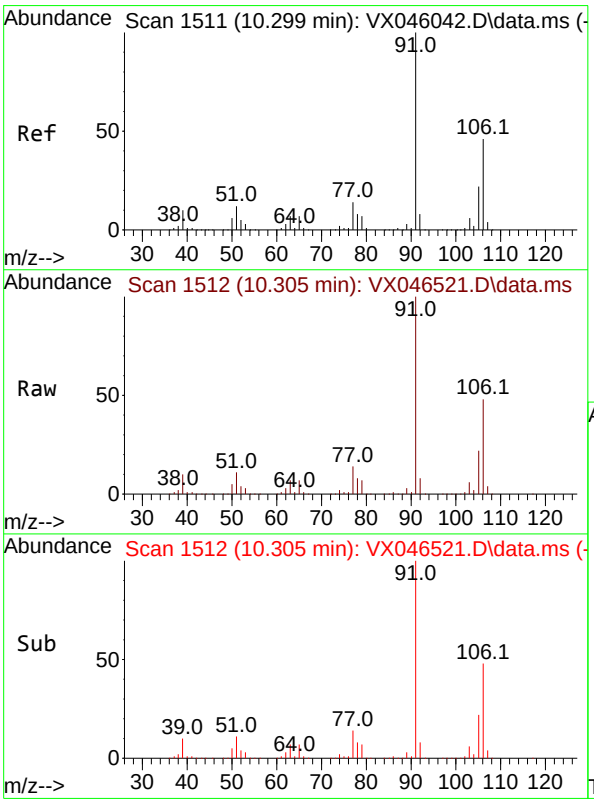
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

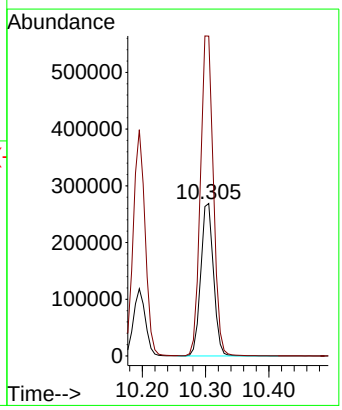
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

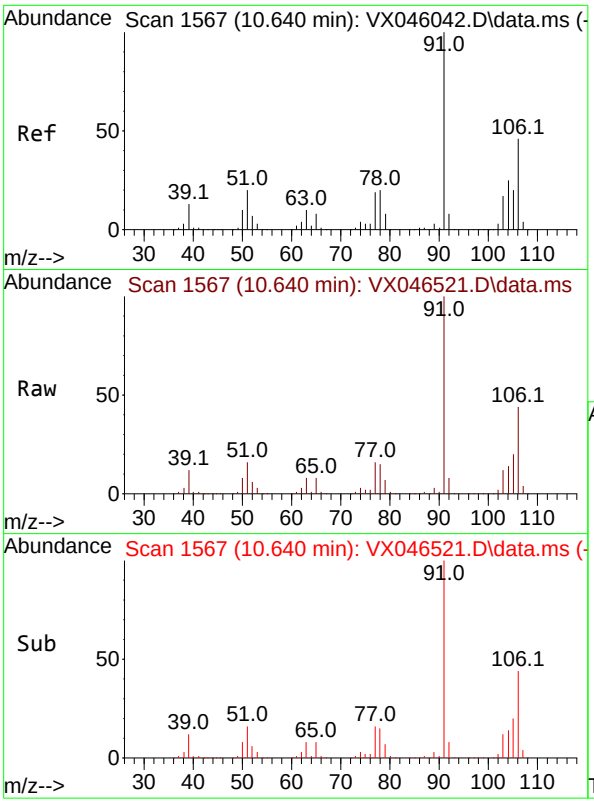


#68
m/p-Xylenes
Concen: 191.829 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:106 Resp: 376918

Ion	Ratio	Lower	Upper
106	100		
91	213.4	171.2	256.8

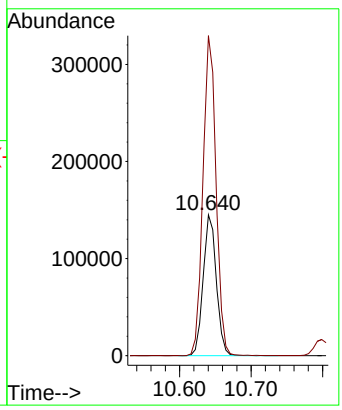




#69
o-Xylene
Concen: 97.576 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:106 Resp: 18544

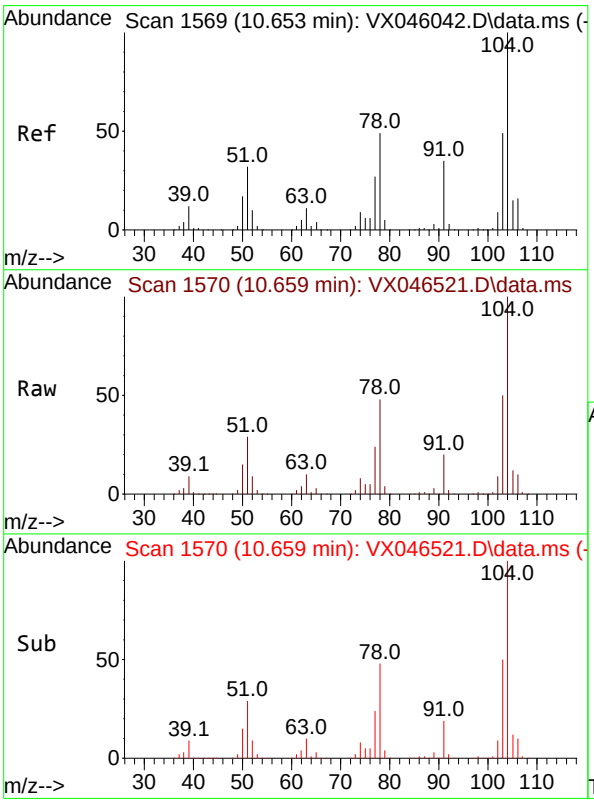
Ion	Ratio	Lower	Upper
106	100		
91	225.9	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

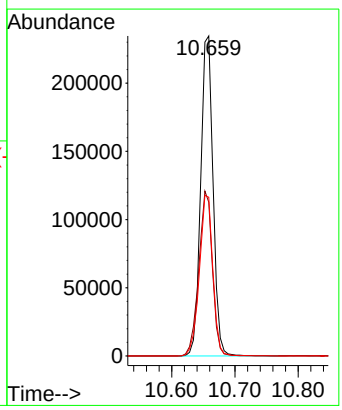
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

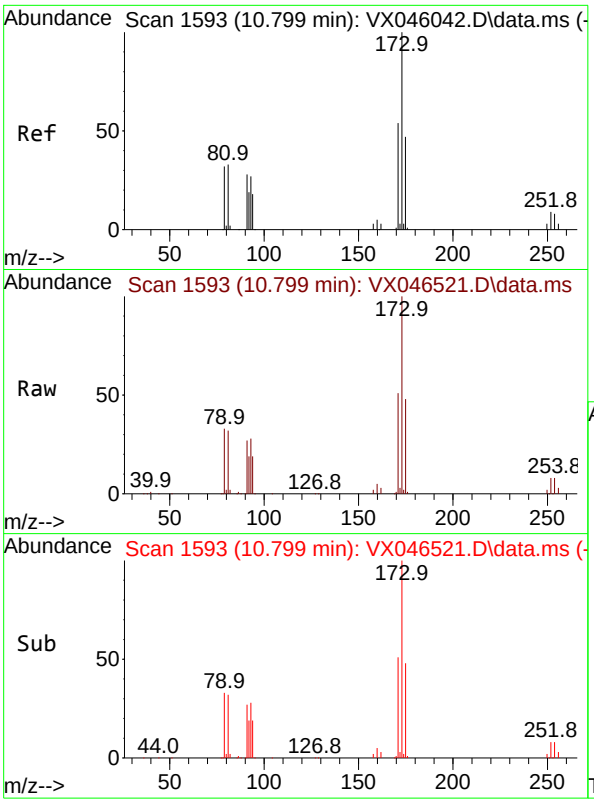


#70
Styrene
Concen: 98.362 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:104 Resp: 319998

Ion	Ratio	Lower	Upper
104	100		
78	56.4	45.7	68.5
103	54.7	43.7	65.5

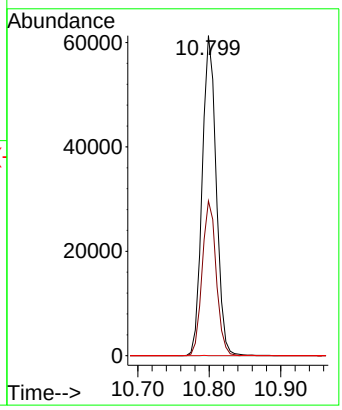




#71
Bromoform
Concen: 104.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:173 Resp: 8357

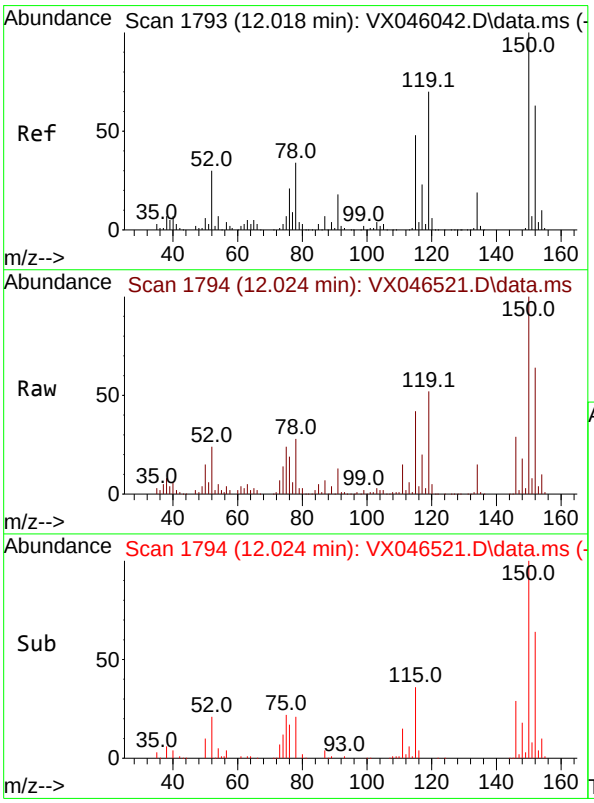
Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

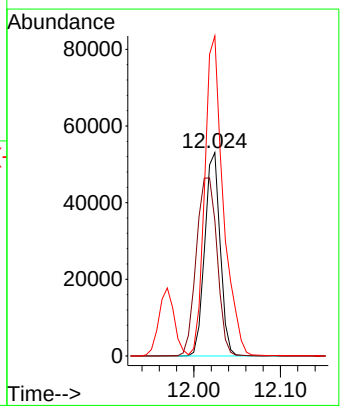
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

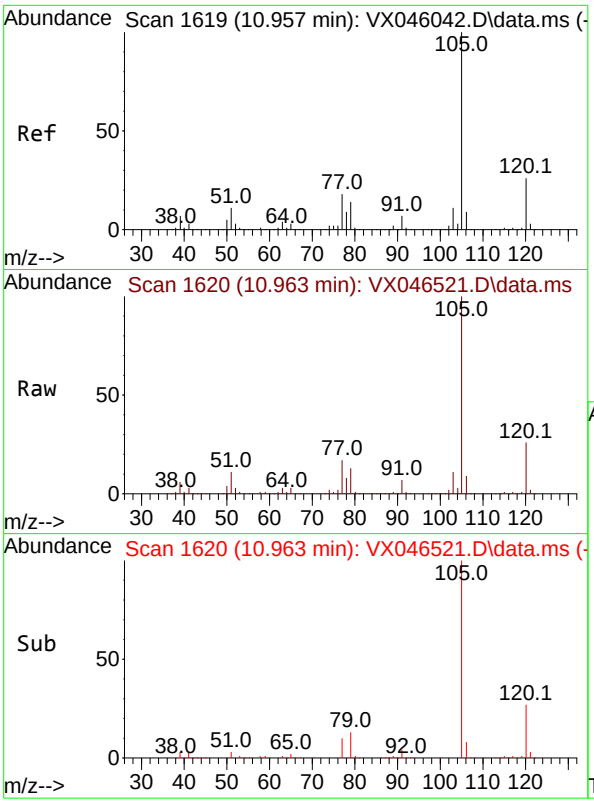


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:152 Resp: 65495

Ion	Ratio	Lower	Upper
152	100		
115	118.0	46.9	140.7
150	188.9	0.0	351.0

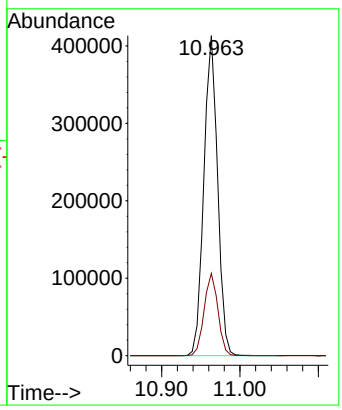




#73
Isopropylbenzene
Concen: 97.400 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:105 Resp: 50146

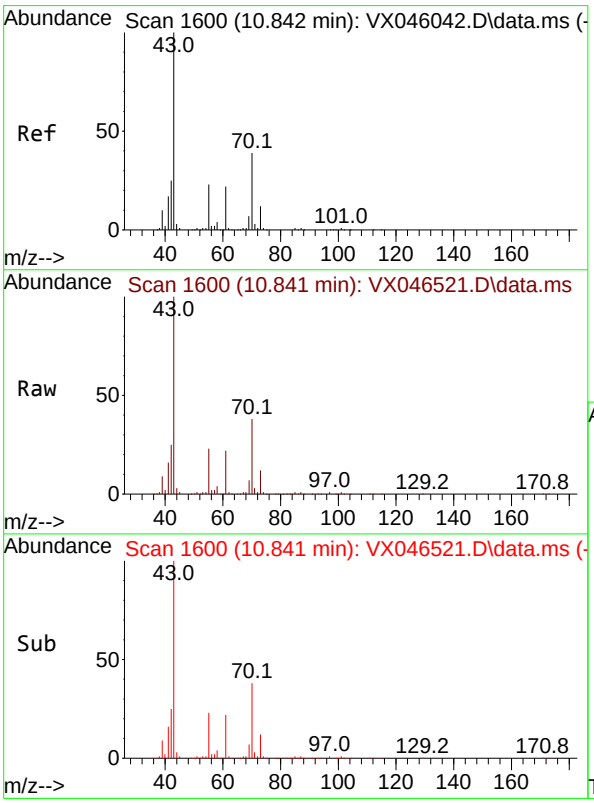
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

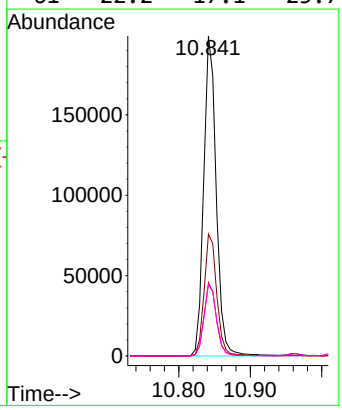
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

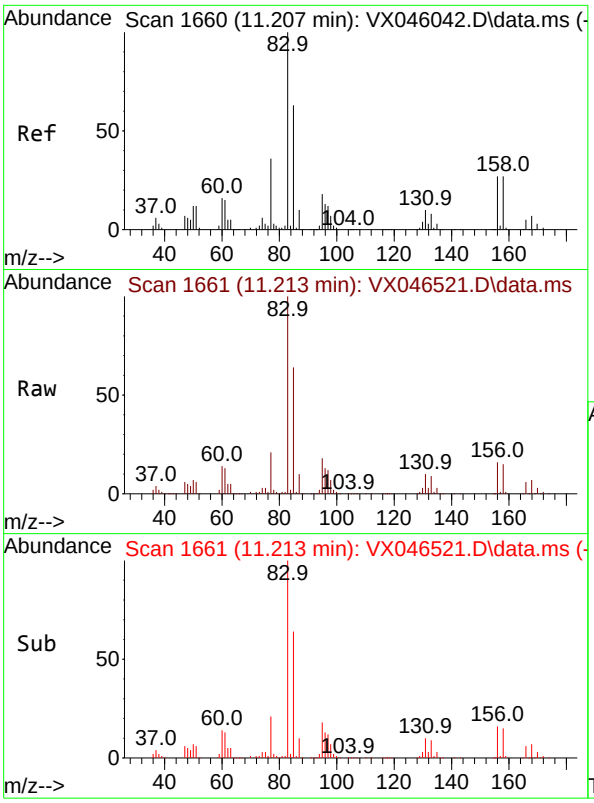


#74
N-amyl acetate
Concen: 107.123 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 43 Resp: 242879

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	23.1	18.7	28.1
61	22.2	17.1	25.7

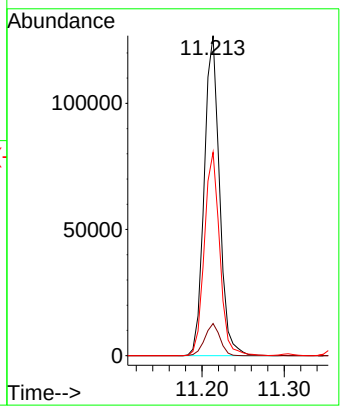




#75
1,1,2,2-Tetrachloroethane
Concen: 99.288 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 83 Resp: 16362

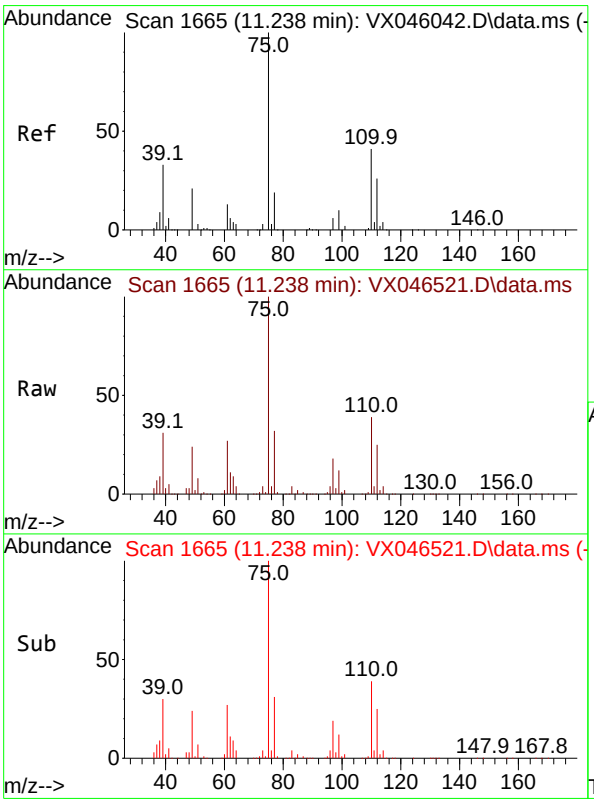
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

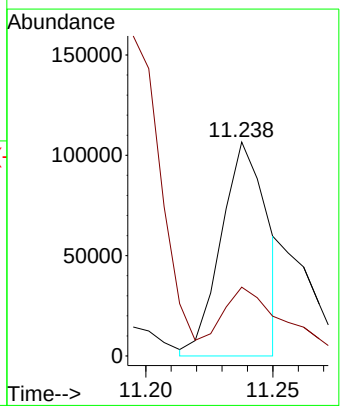
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

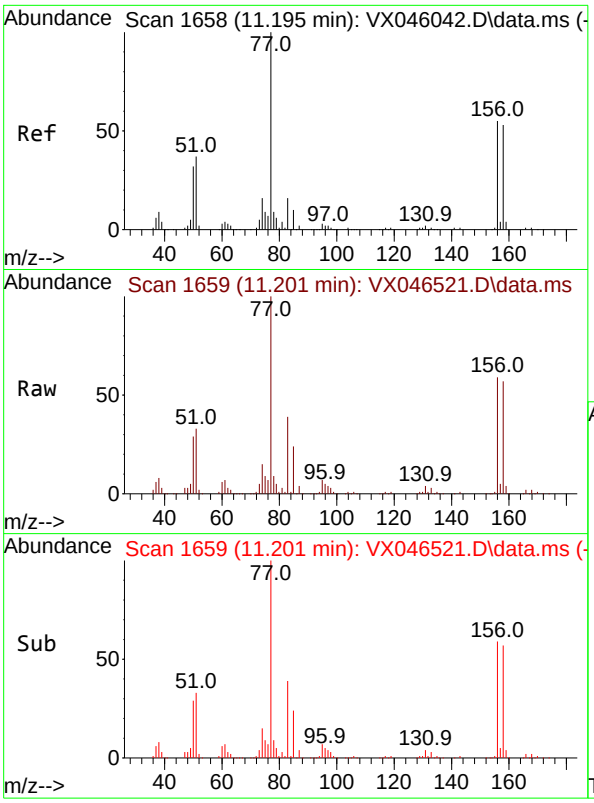


#76
1,2,3-Trichloropropane
Concen: 95.251 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 75 Resp: 134330

Ion	Ratio	Lower	Upper
75	100		
77	44.0	20.5	61.5

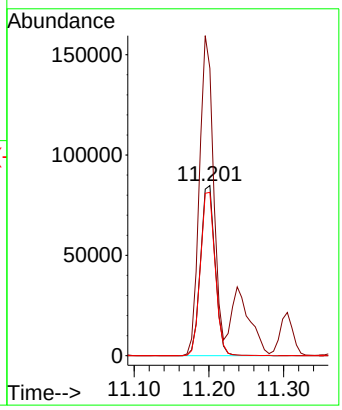




#77
Bromobenzene
Concen: 96.236 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:156 Resp: 11500

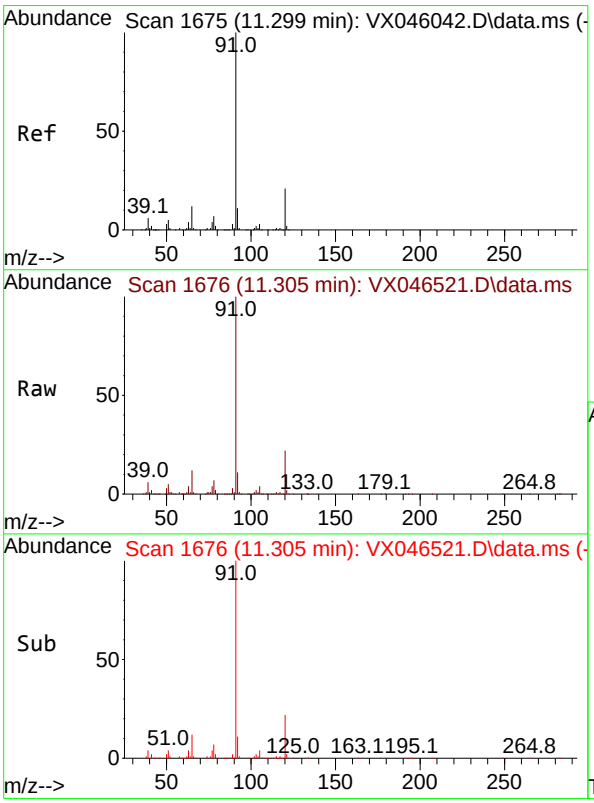
Ion	Ratio	Lower	Upper
156	100		
77	181.7	92.8	278.3
158	97.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

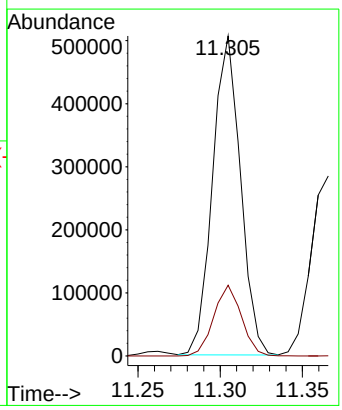
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

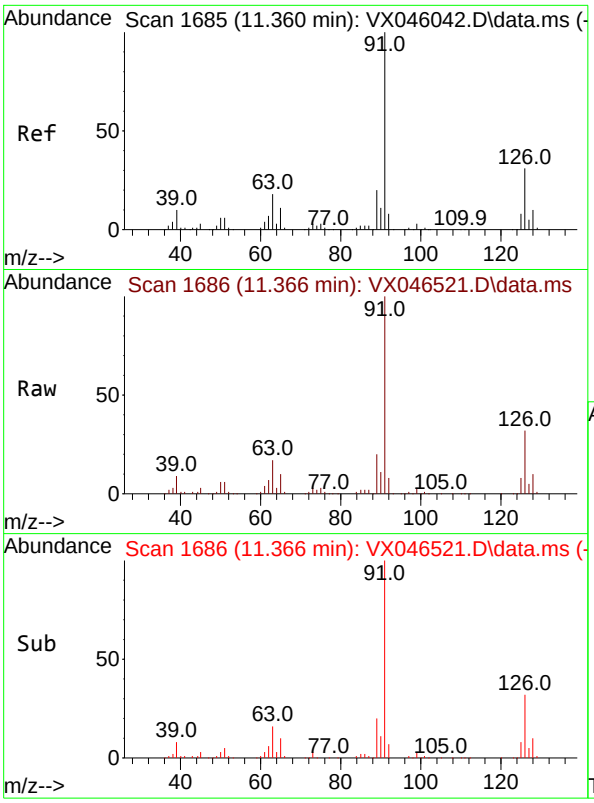


#78
n-propylbenzene
Concen: 95.703 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 91 Resp: 596385

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

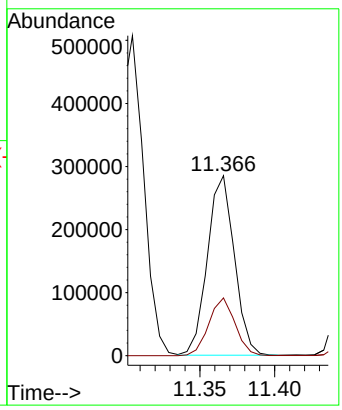




#79
2-Chlorotoluene
Concen: 94.839 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 91 Resp: 35638

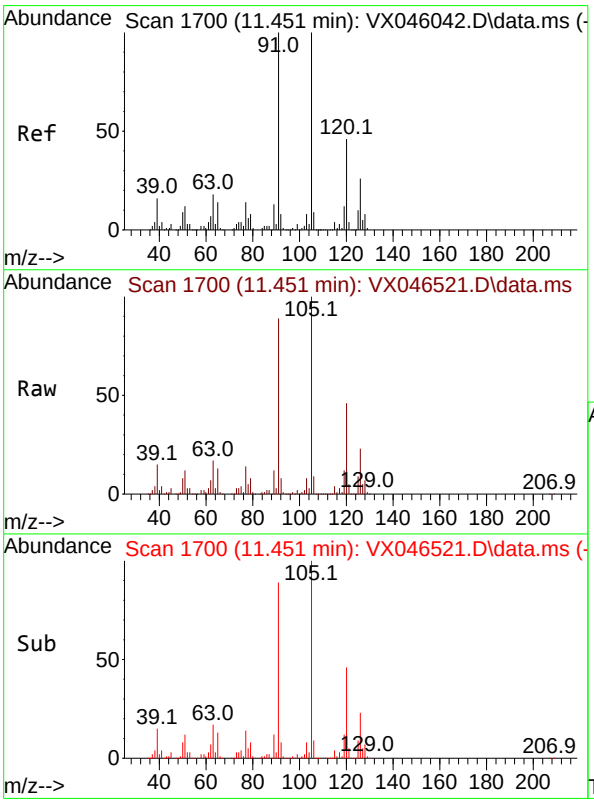
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

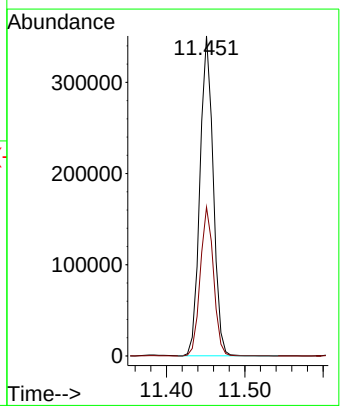
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

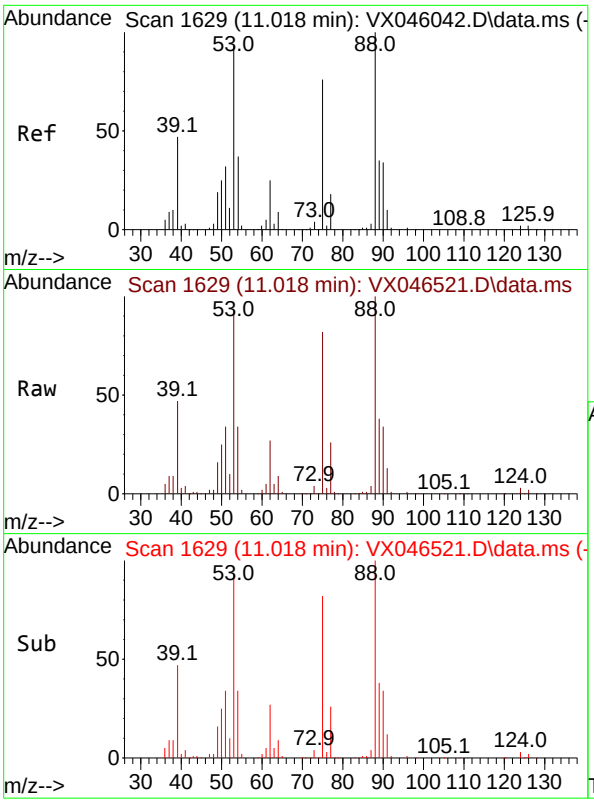


#80
1,3,5-Trimethylbenzene
Concen: 96.089 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:105 Resp: 412251

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 108.338 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

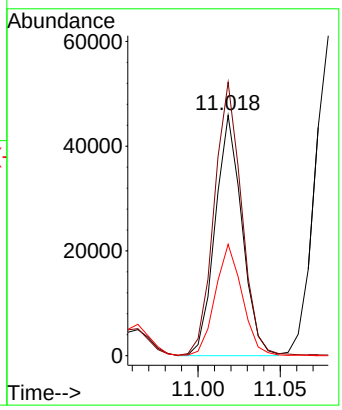
Tgt Ion: 75 Resp: 5210

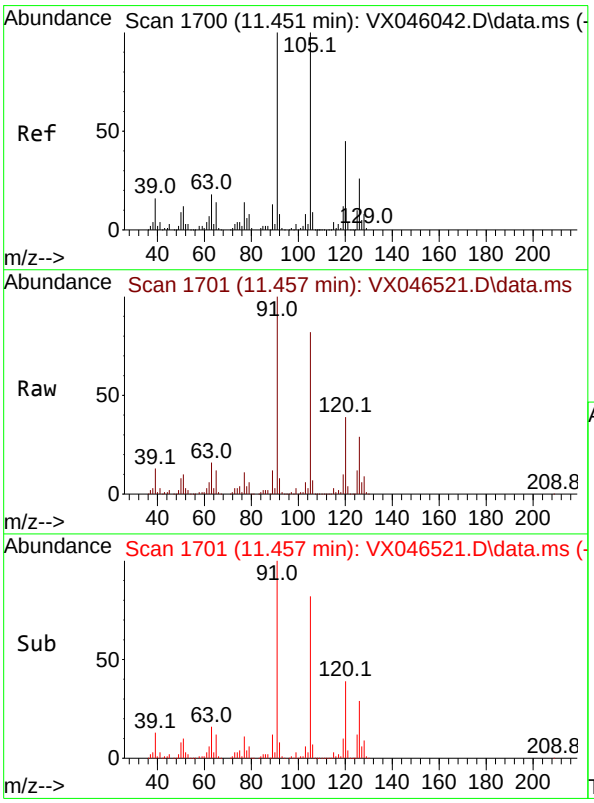
Ion	Ratio	Lower	Upper
75	100		
53	115.7	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

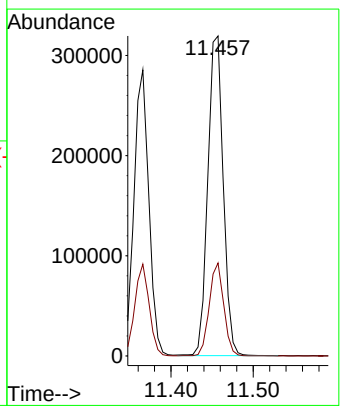


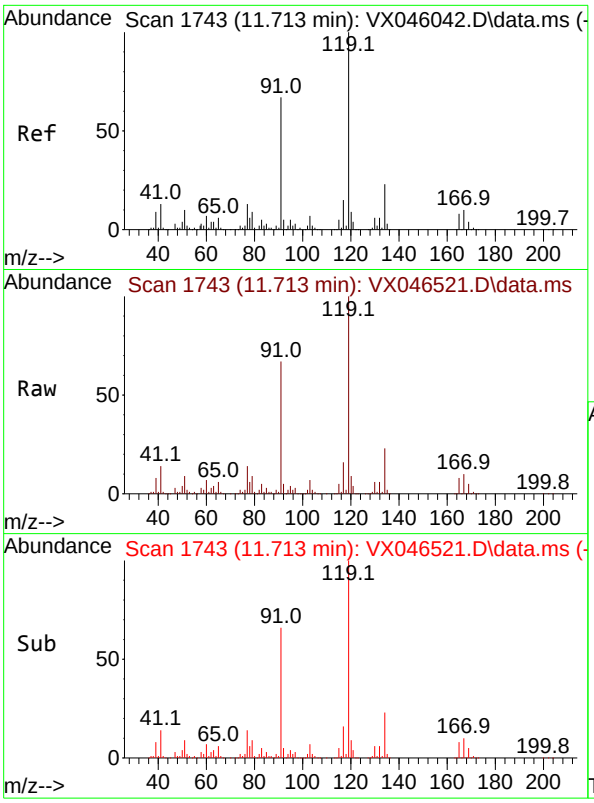


#82
4-Chlorotoluene
Concen: 93.429 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 91 Resp: 416150

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8

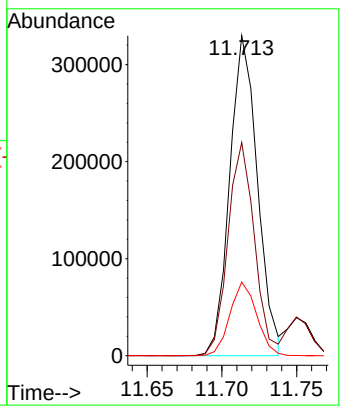




#83
tert-Butylbenzene
Concen: 97.420 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:119 Resp: 42547

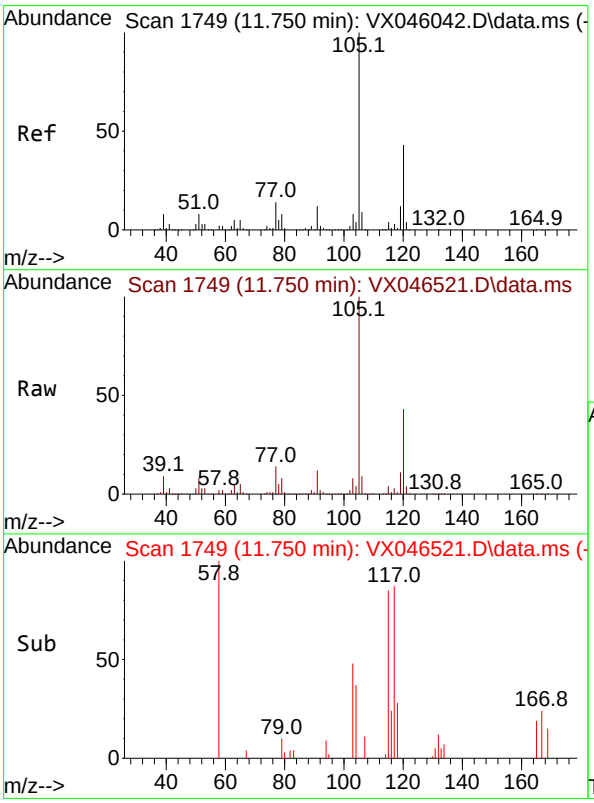
Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.9	98.7
134	22.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

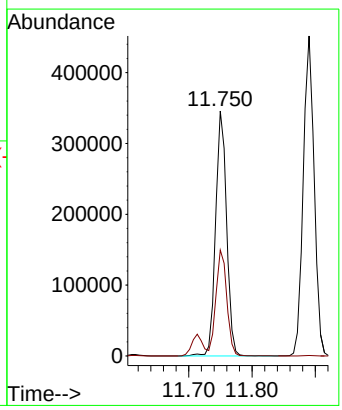
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

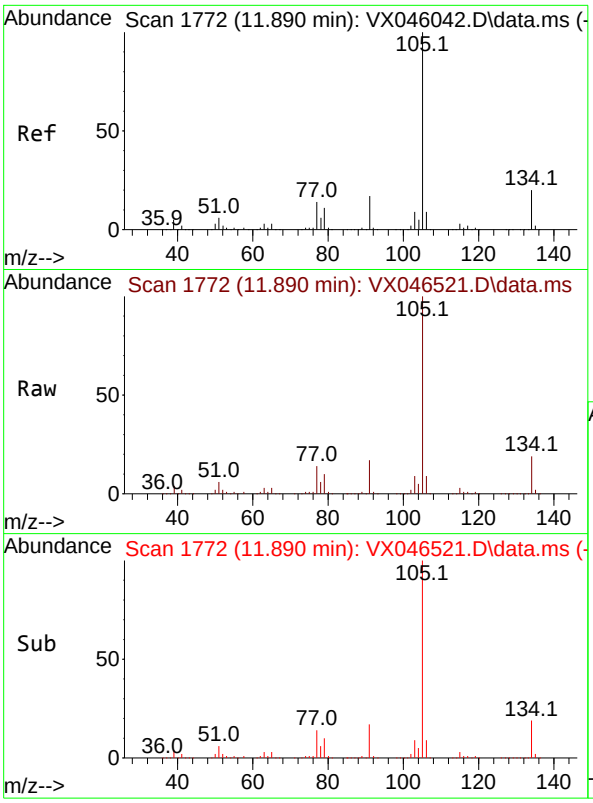


#84
1,2,4-Trimethylbenzene
Concen: 96.397 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:105 Resp: 418383

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6

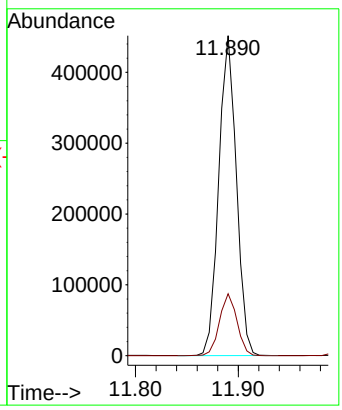




#85
sec-Butylbenzene
Concen: 95.599 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:105 Resp: 53648

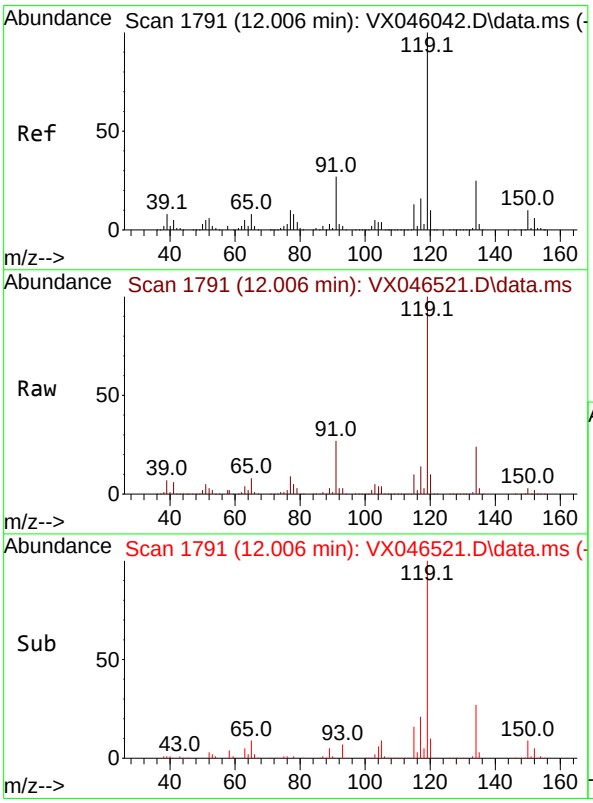
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

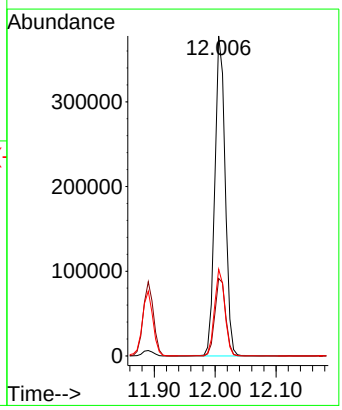
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

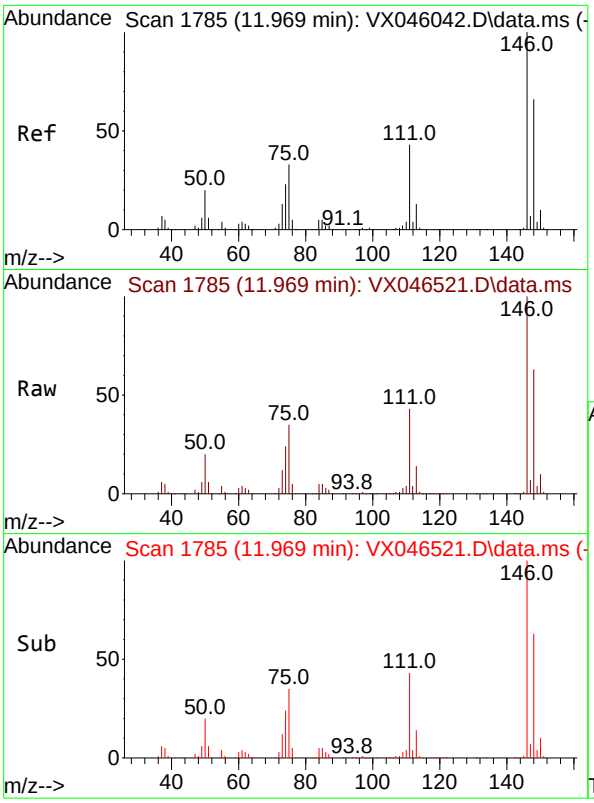


#86
p-Isopropyltoluene
Concen: 95.124 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:119 Resp: 445024

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	26.8	13.8	41.4

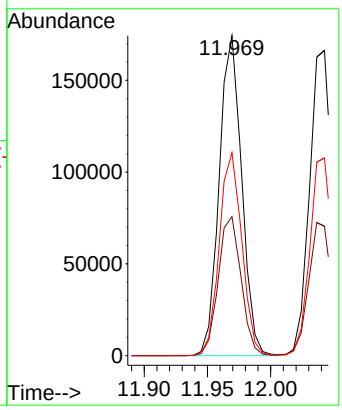




#87
1,3-Dichlorobenzene
Concen: 92.695 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:146 Resp: 21510

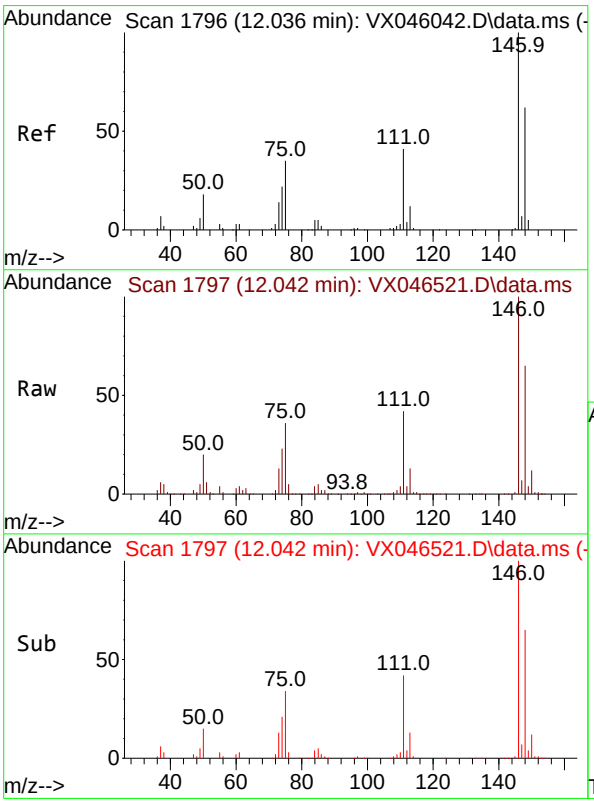
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.3
148	63.8	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

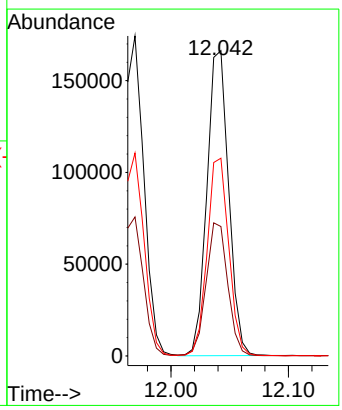
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

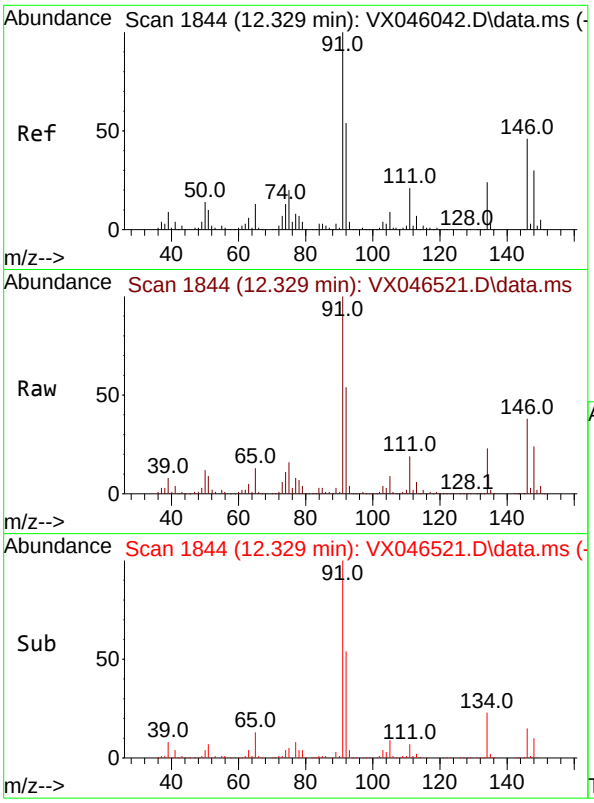


#88
1,4-Dichlorobenzene
Concen: 88.632 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:146 Resp: 213122

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	64.5	31.9	95.5

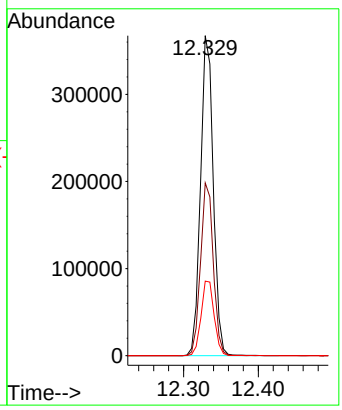




#89
n-Butylbenzene
Concen: 94.378 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 91 Resp: 43360

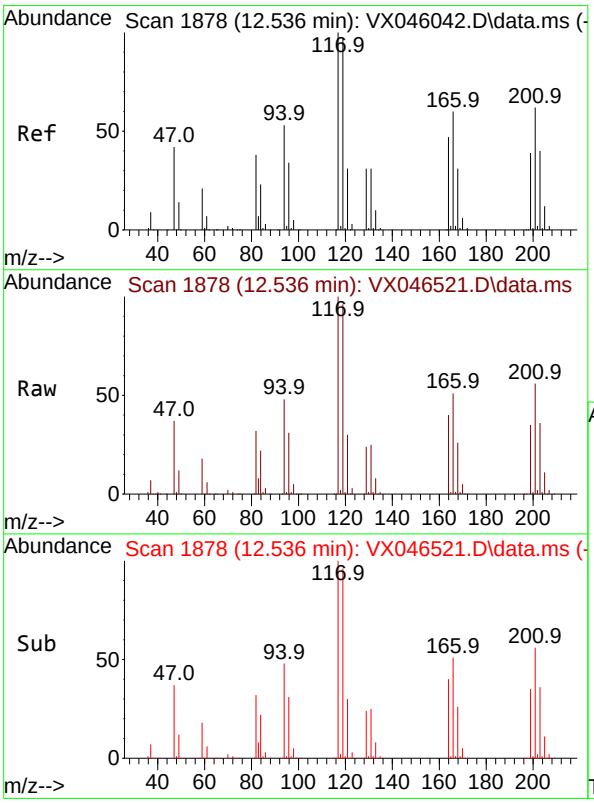
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.9	80.7
134	24.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

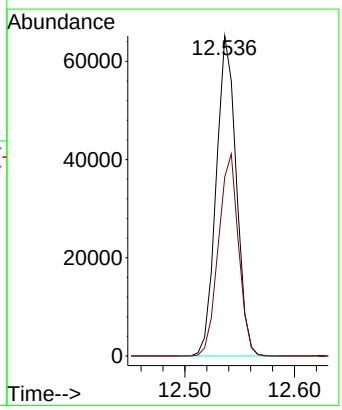
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

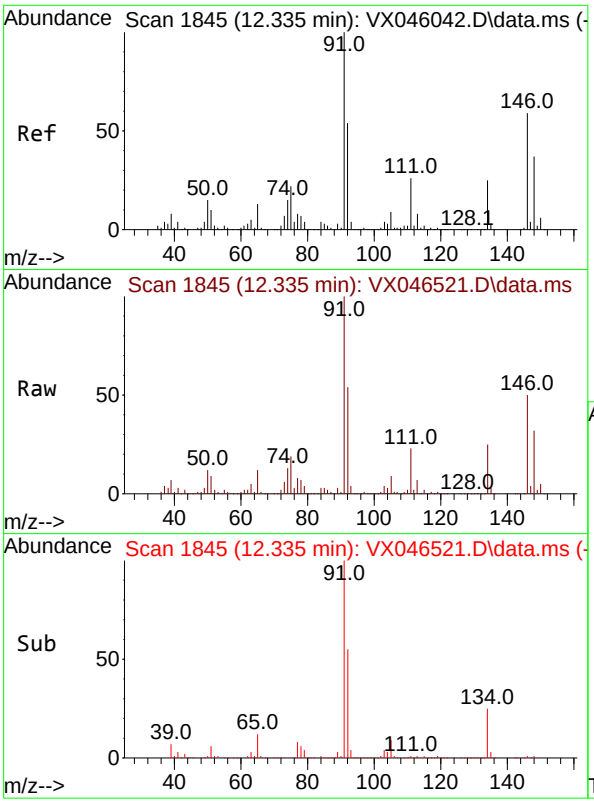


#90
Hexachloroethane
Concen: 99.681 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:117 Resp: 82886

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.6	94.7

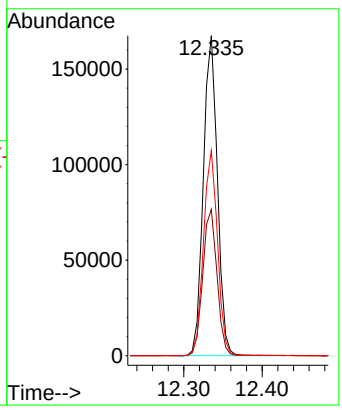




#91
1,2-Dichlorobenzene
Concen: 93.273 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:146 Resp: 20893

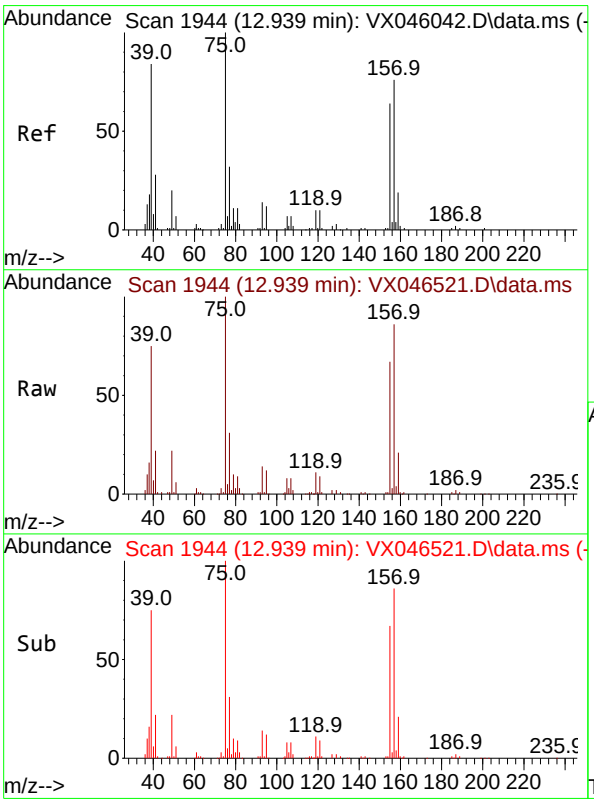
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.9	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

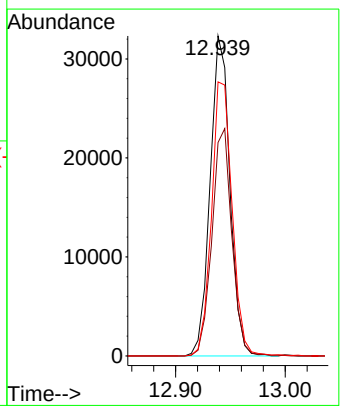
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

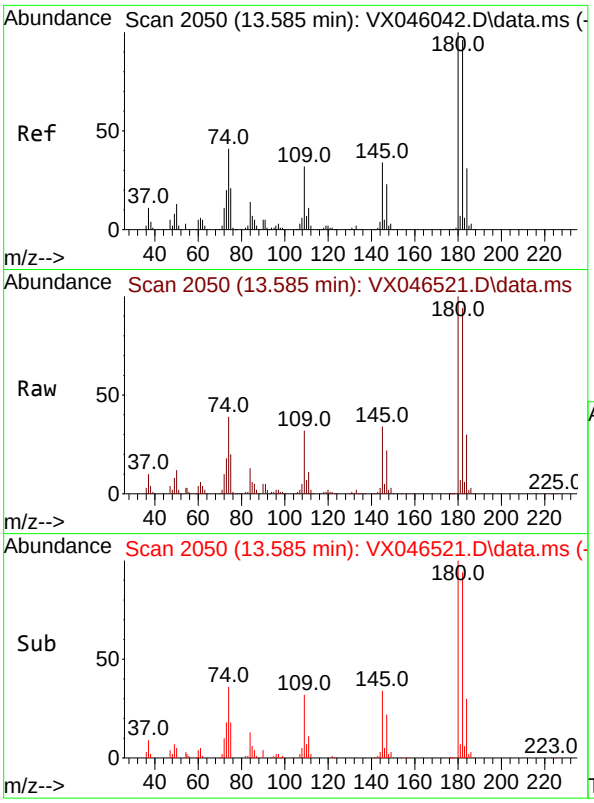


#92
1,2-Dibromo-3-Chloropropane
Concen: 109.744 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion: 75 Resp: 40499

Ion	Ratio	Lower	Upper
75	100		
155	71.8	34.9	104.8
157	89.4	43.8	131.4

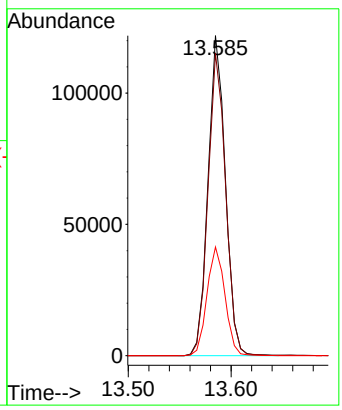




#93
1,2,4-Trichlorobenzene
Concen: 93.683 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:180 Resp: 14315

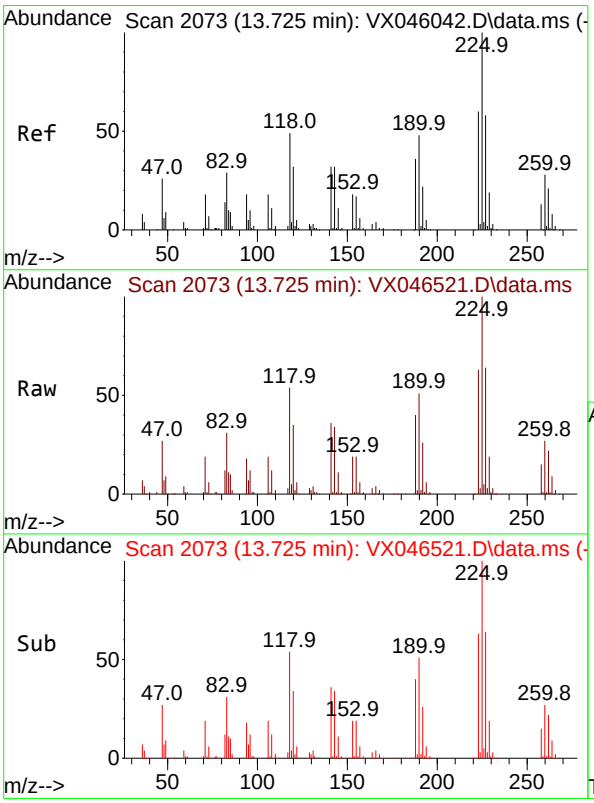
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	35.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

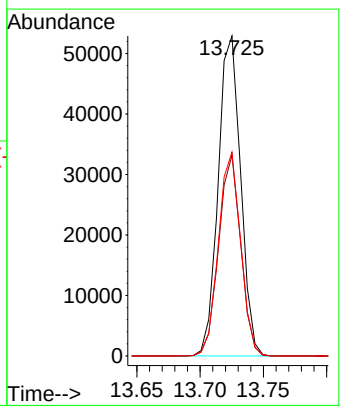
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

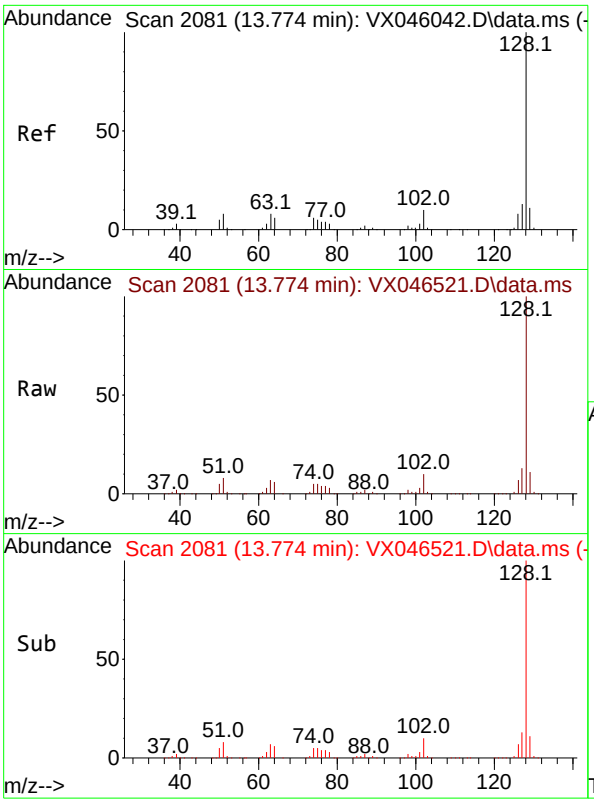


#94
Hexachlorobutadiene
Concen: 91.723 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:225 Resp: 65134

Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.4
227	63.2	30.9	92.7

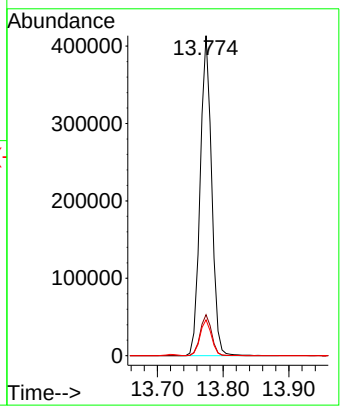




#95
Naphthalene
Concen: 103.144 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:128 Resp: 49980

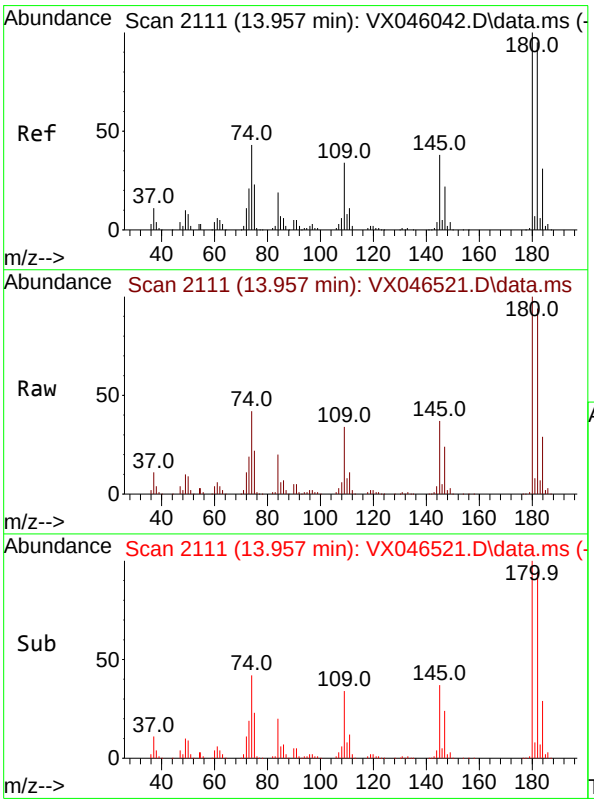
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

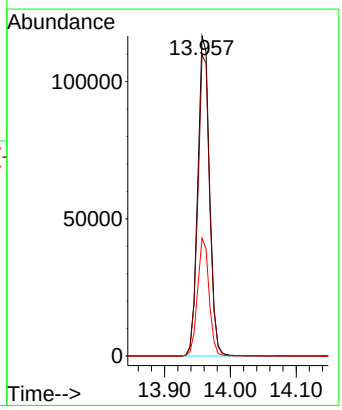
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 94.716 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046521.D
Acq: 06 Jun 2025 11:02

Tgt Ion:180 Resp: 145123

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.3
145	36.0	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.568	168	78828	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	138158	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121245	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58605	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.971	65	212938	151.835 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 303.660%#		
35) Dibromofluoromethane	5.404	113	156990	154.516 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 309.040%#		
50) Toluene-d8	8.653	98	505724	150.978 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.960%#		
62) 4-Bromofluorobenzene	11.079	95	207701	149.867 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 299.740%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.179	85	154709	141.368 ug/l	97
3) Chloromethane	1.307	50	145250	145.815 ug/l	98
4) Vinyl Chloride	1.386	62	147097	148.135 ug/l	98
5) Bromomethane	1.612	94	56077	93.023 ug/l	97
6) Chloroethane	1.691	64	88121	136.776 ug/l	98
7) Trichlorofluoromethane	1.898	101	244494	148.815 ug/l	98
8) Diethyl Ether	2.148	74	87079	150.009 ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.343	101	151059	145.936 ug/l	98
10) Methyl Iodide	2.465	142	185045	164.913 ug/l	99
11) Tert butyl alcohol	2.983	59	134861	866.618 ug/l	100
12) 1,1-Dichloroethene	2.331	96	138358	147.838 ug/l	99
13) Acrolein	2.252	56	160165	778.853 ug/l	100
14) Allyl chloride	2.678	41	267359	145.460 ug/l	93
15) Acrylonitrile	3.081	53	476614	810.040 ug/l	99
16) Acetone	2.398	43	425579	763.161 ug/l	98
17) Carbon Disulfide	2.526	76	304498	152.815 ug/l	99
18) Methyl Acetate	2.721	43	292598	175.157 ug/l	98
19) Methyl tert-butyl Ether	3.130	73	533557	162.931 ug/l	99
20) Methylene Chloride	2.806	84	160400	142.563 ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	140409	141.768 ug/l	98
22) Diisopropyl ether	3.782	45	574529	158.547 ug/l #	84
23) Vinyl Acetate	3.739	43	2294131	820.000 ug/l	100
24) 1,1-Dichloroethane	3.629	63	306779	151.900 ug/l	99
25) 2-Butanone	4.574	43	643633	824.425 ug/l	99
26) 2,2-Dichloropropane	4.495	77	241718	161.222 ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	181365	148.753 ug/l	98
28) Bromochloromethane	4.916	49	139177	144.483 ug/l	99
29) Tetrahydrofuran	5.019	42	404249	819.909 ug/l	99
30) Chloroform	5.111	83	319000	150.747 ug/l	96
31) Cyclohexane	5.489	56	240734	147.652 ug/l	98
32) 1,1,1-Trichloroethane	5.404	97	280921	155.193 ug/l	97
36) 1,1-Dichloropropene	5.708	75	201157	138.605 ug/l	99
37) Ethyl Acetate	4.733	43	247037	174.441 ug/l	100
38) Carbon Tetrachloride	5.696	117	240128	147.722 ug/l	100
39) Methylcyclohexane	7.391	83	243263	142.009 ug/l	96
40) Benzene	6.056	78	597704	146.294 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.934	41	142496	162.001 ug/l		97
42) 1,2-Dichloroethane	6.105	62	249510	146.794 ug/l		98
43) Isopropyl Acetate	6.355	43	415327	168.193 ug/l		99
44) Trichloroethene	7.135	130	146894	141.503 ug/l		98
45) 1,2-Dichloropropane	7.440	63	161815	153.441 ug/l		96
46) Dibromomethane	7.586	93	118718	149.642 ug/l		98
47) Bromodichloromethane	7.830	83	256187	157.050 ug/l		99
48) Methyl methacrylate	7.702	41	214089	168.505 ug/l		97
49) 1,4-Dioxane	7.671	88	57504	3384.526 ug/l		97
51) 4-Methyl-2-Pentanone	8.580	43	1262813	804.759 ug/l		99
52) Toluene	8.720	92	368137	146.666 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	249298	170.450 ug/l		99
54) cis-1,3-Dichloropropene	8.373	75	262248	161.266 ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	154220	153.049 ug/l		98
56) Ethyl methacrylate	9.122	69	261827	168.851 ug/l		97
57) 1,3-Dichloropropane	9.311	76	263879	148.186 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.251	63	676448	800.891 ug/l		100
59) 2-Hexanone	9.433	43	908142	806.953 ug/l		98
60) Dibromochloromethane	9.525	129	185185	156.239 ug/l		99
61) 1,2-Dibromoethane	9.610	107	156873	149.399 ug/l		97
64) Tetrachloroethene	9.275	164	114275	140.948 ug/l		96
65) Chlorobenzene	10.080	112	414361	145.311 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	152702	158.472 ug/l		99
67) Ethyl Benzene	10.195	91	742300	149.114 ug/l		100
68) m/p-Xylenes	10.305	106	537140	297.452 ug/l		99
69) o-Xylene	10.640	106	263508	150.865 ug/l		99
70) Styrene	10.653	104	457350	152.965 ug/l		99
71) Bromoform	10.799	173	121843	165.836 ug/l	#	97
73) Isopropylbenzene	10.964	105	714594	155.114 ug/l		100
74) N-amyl acetate	10.842	43	354967	174.965 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	229605	155.706 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	191913m	152.081 ug/l		
77) Bromobenzene	11.195	156	163113	152.540 ug/l		99
78) n-propylbenzene	11.305	91	846247	151.764 ug/l		99
79) 2-Chlorotoluene	11.366	91	503830	149.837 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	582683	151.781 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	77638	180.416 ug/l		91
82) 4-Chlorotoluene	11.451	91	585232	146.836 ug/l		98
83) tert-Butylbenzene	11.713	119	612111	156.630 ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	590035	151.929 ug/l		100
85) sec-Butylbenzene	11.890	105	761909	151.730 ug/l		100
86) p-Isopropyltoluene	12.006	119	628539	150.146 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	305990	147.362 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	308002	143.149 ug/l		99
89) n-Butylbenzene	12.329	91	613010	149.115 ug/l		99
90) Hexachloroethane	12.536	117	120040	161.336 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	298047	148.701 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	59166	179.177 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	209982	153.577 ug/l		99
94) Hexachlorobutadiene	13.725	225	92311	145.277 ug/l		98
95) Naphthalene	13.774	128	739300	170.506 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	210596	153.606 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

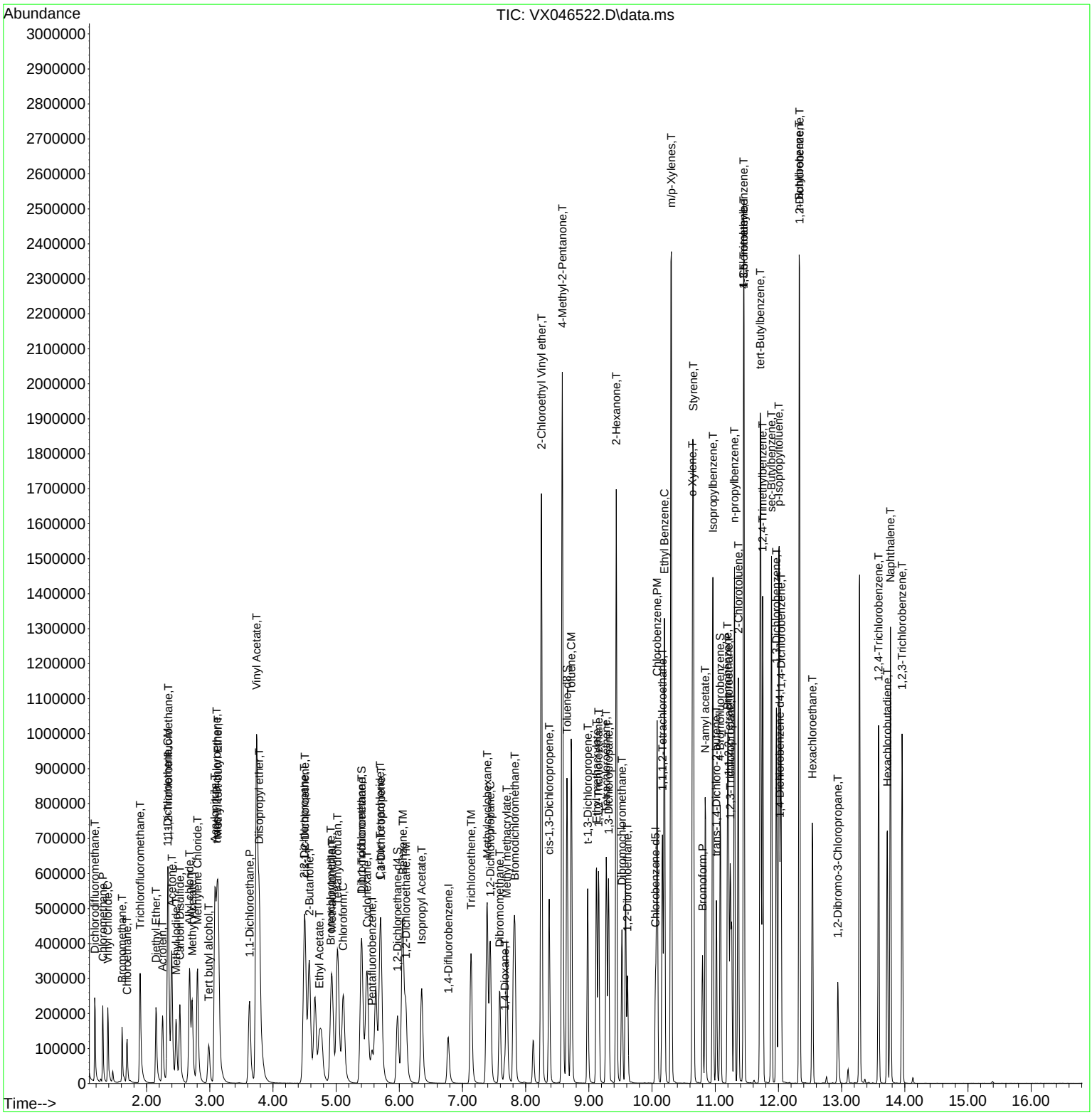
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

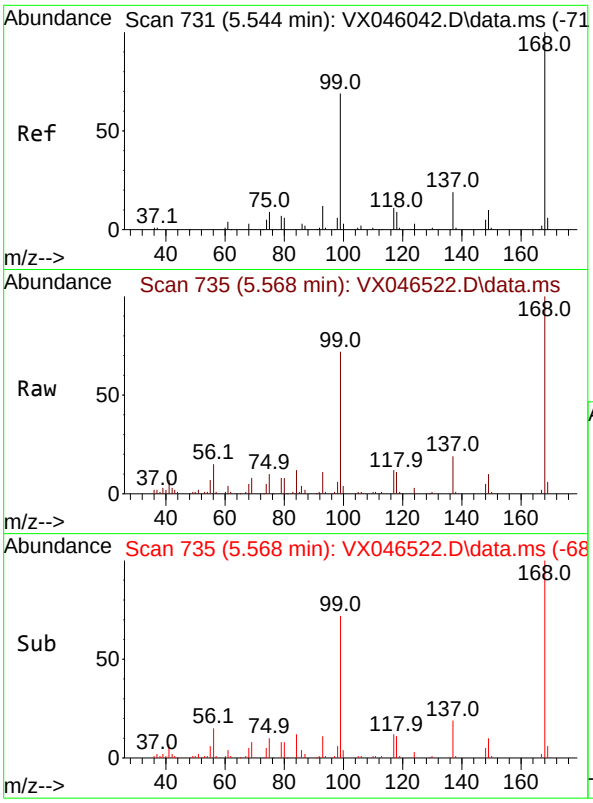
Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

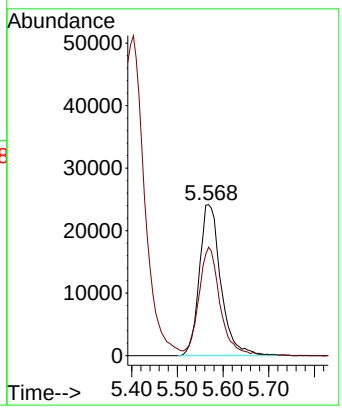




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:168 Resp: 7882

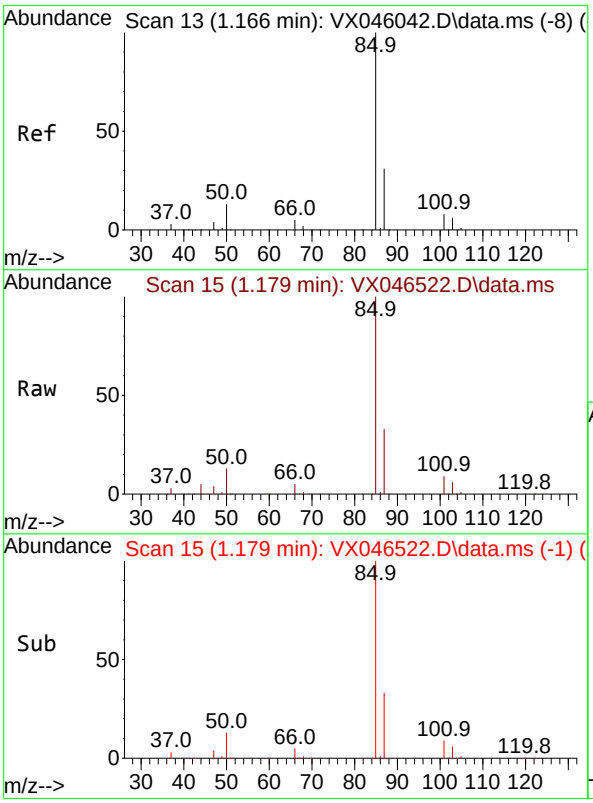
Ion	Ratio	Lower	Upper
168	100		
99	71.2	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

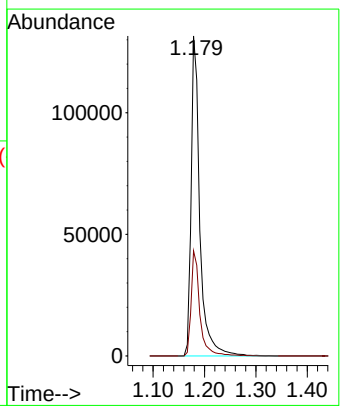
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

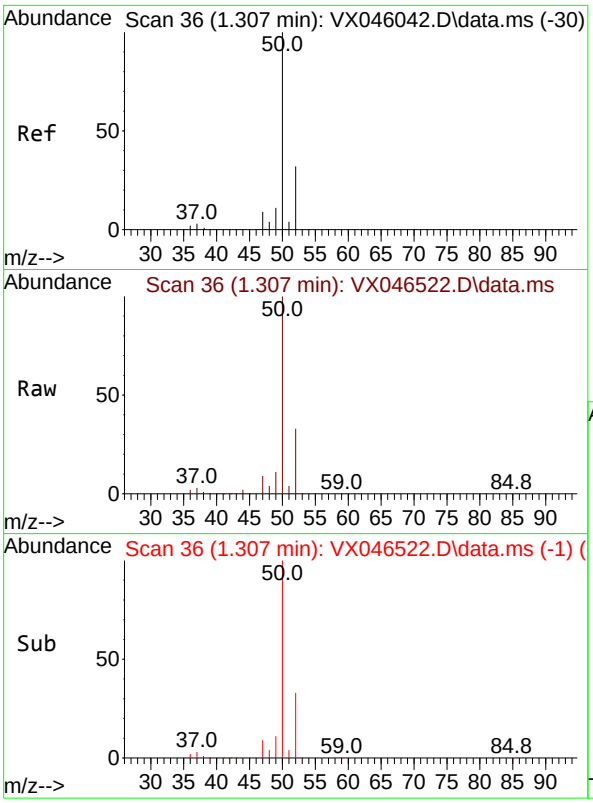


#2
Dichlorodifluoromethane
Concen: 141.368 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 85 Resp: 154709

Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.7	47.1





#3
Chloromethane
Concen: 145.815 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

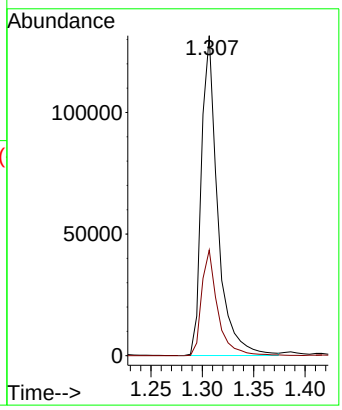
Tgt Ion: 50 Resp: 14525

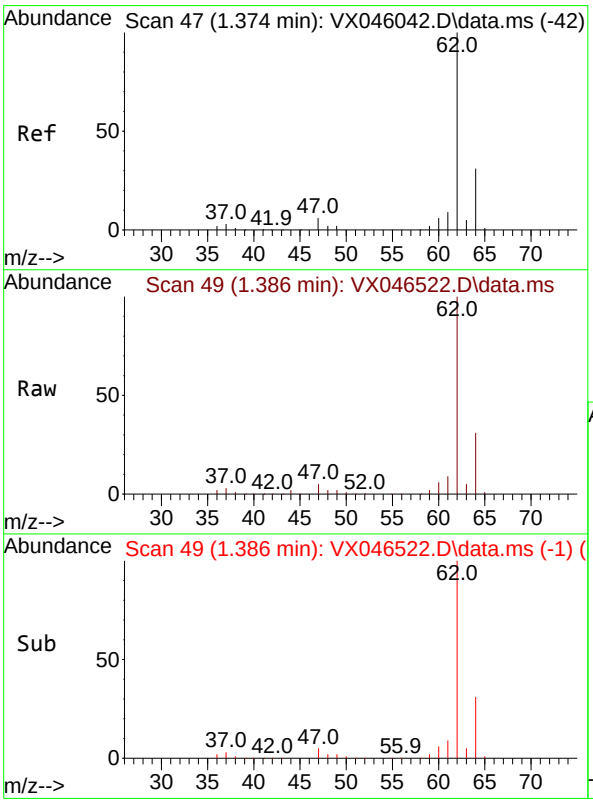
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

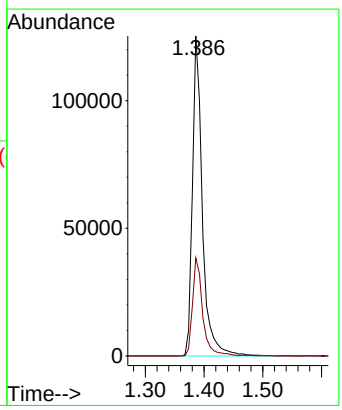


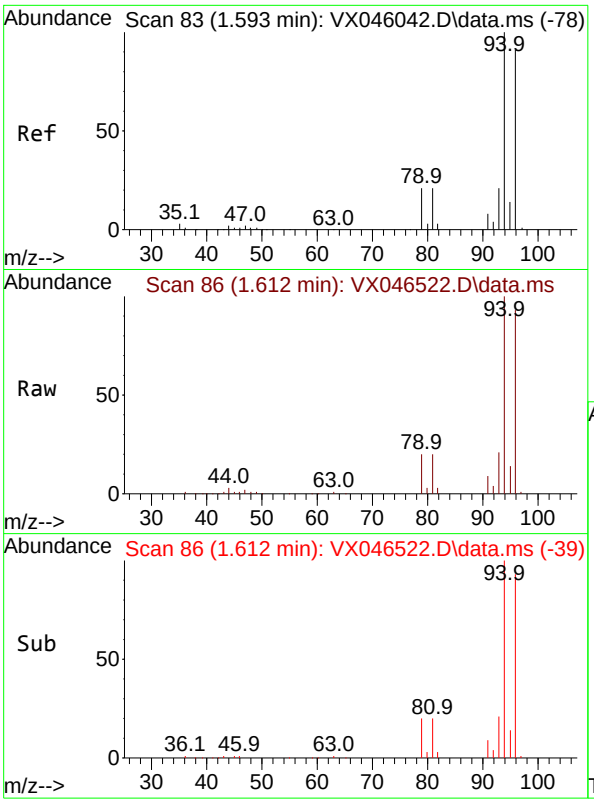


#4
Vinyl Chloride
Concen: 148.135 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 62 Resp: 147097

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

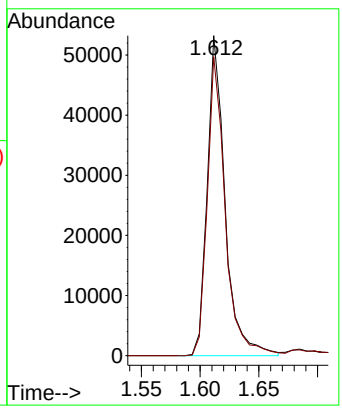




#5
Bromomethane
Concen: 93.023 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 94 Resp: 5607

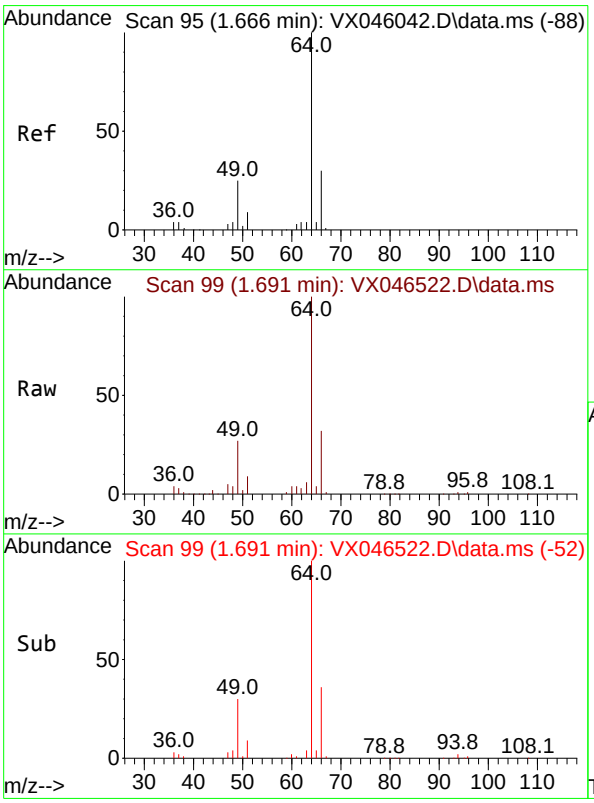
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

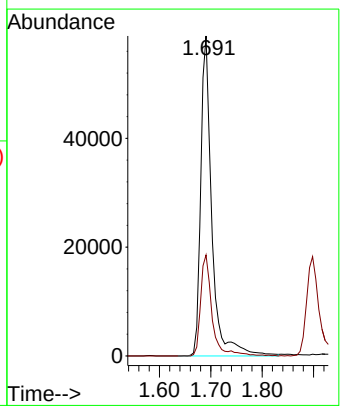
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

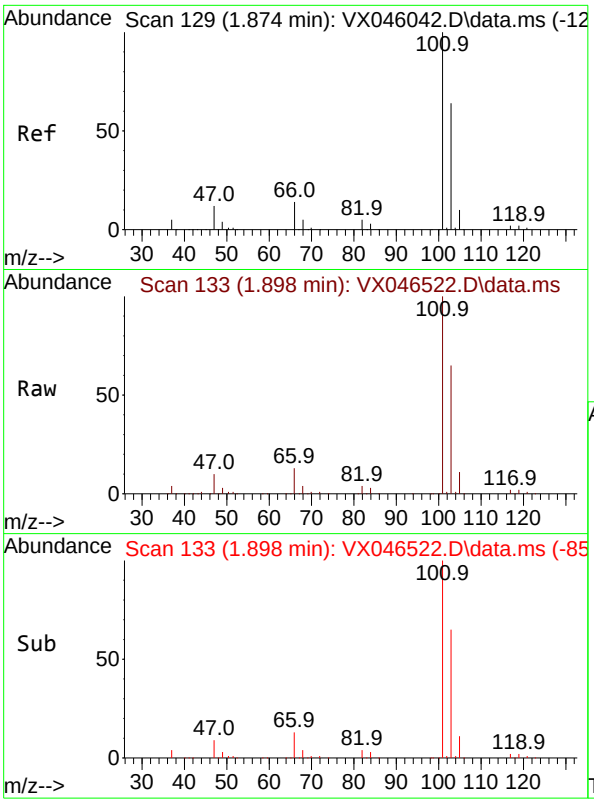


#6
Chloroethane
Concen: 136.776 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 64 Resp: 88121

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.3	36.5

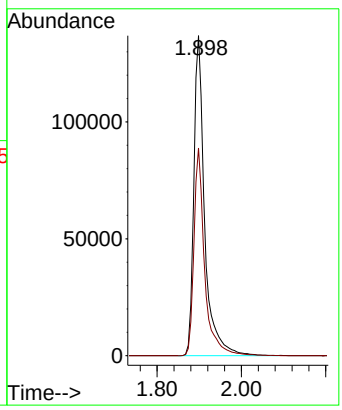




#7
Trichlorofluoromethane
Concen: 148.815 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:101 Resp: 24449

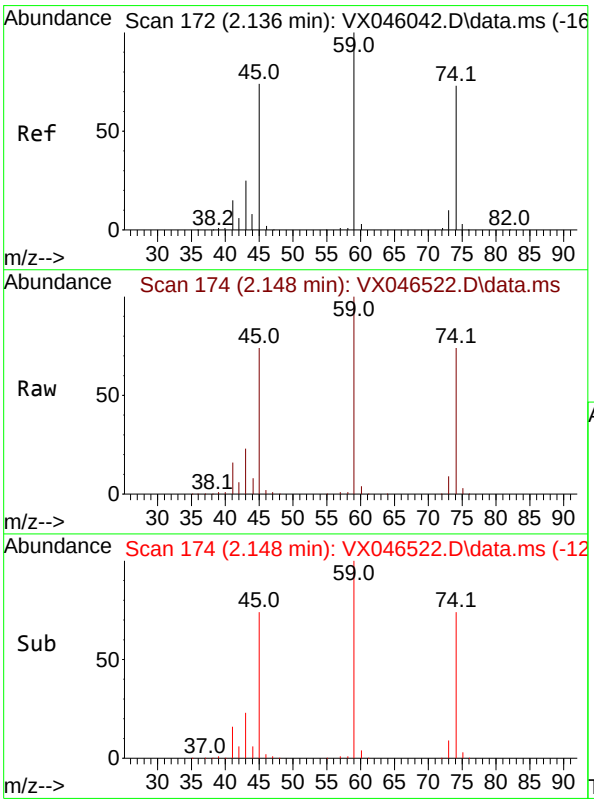
Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

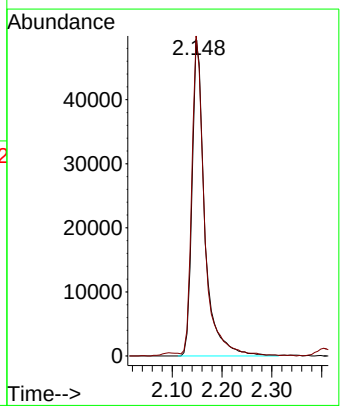
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

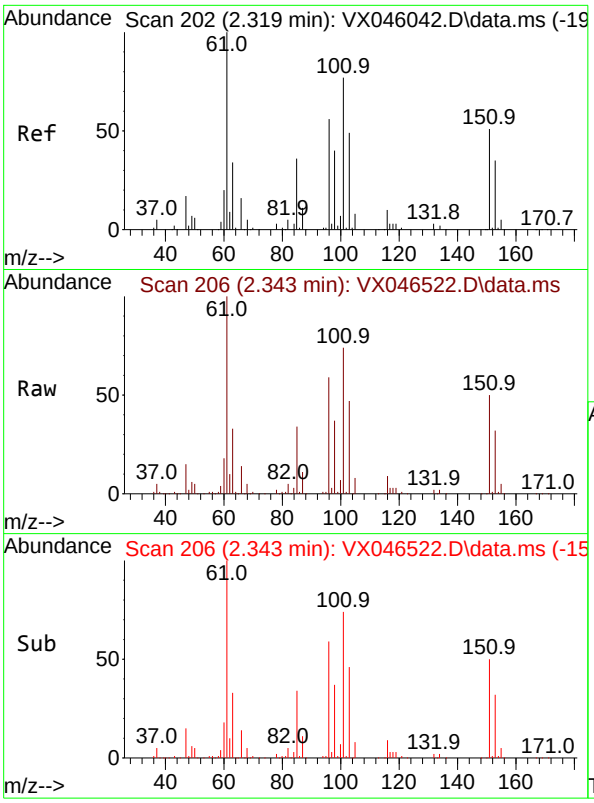


#8
Diethyl Ether
Concen: 150.009 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 74 Resp: 87079

Ion	Ratio	Lower	Upper
74	100		
45	100.2	54.9	164.8

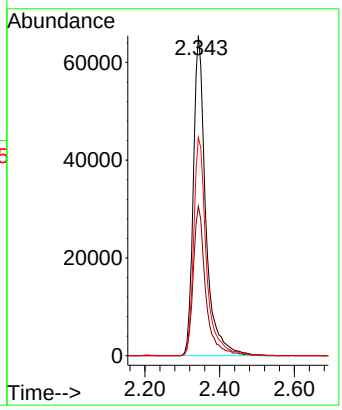




#9
1,1,2-Trichlorotrifluoroethane
Concen: 145.936 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

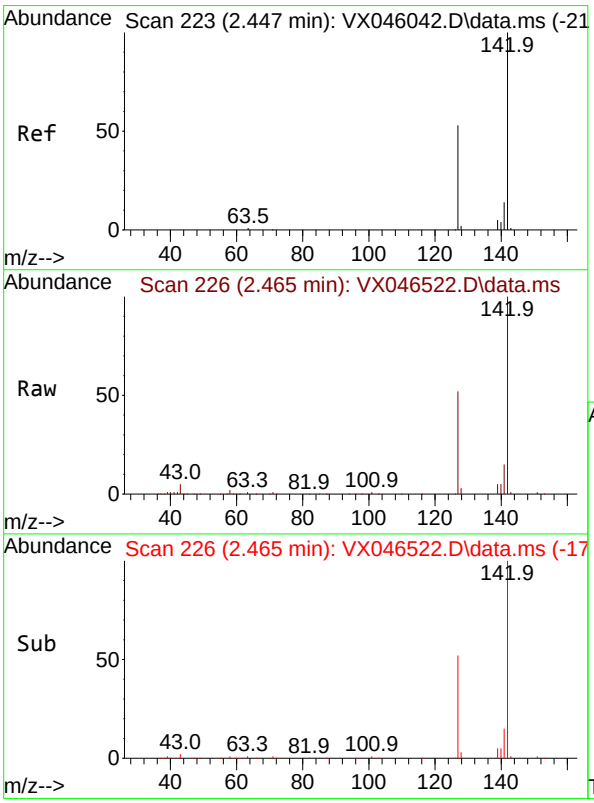
Tgt Ion:101 Resp: 15105

Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.6	58.0
151	69.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

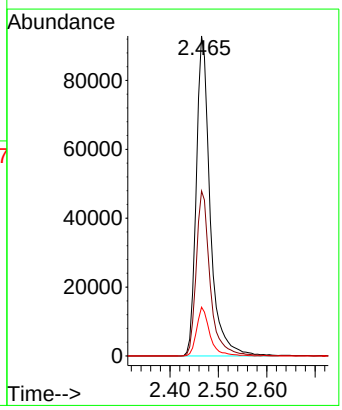
Manual Integrations APPROVED
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

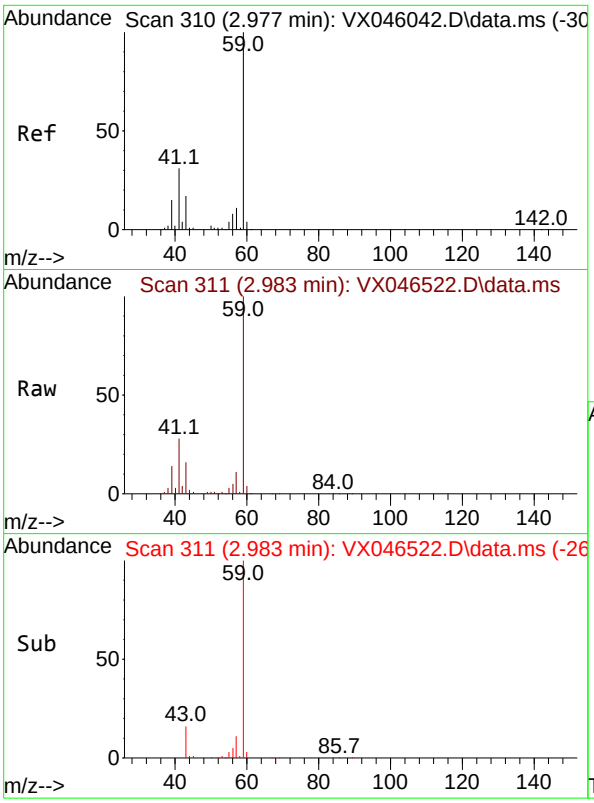


#10
Methyl Iodide
Concen: 164.913 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:142 Resp: 185045

Ion	Ratio	Lower	Upper
142	100		
127	51.6	41.7	62.5
141	14.5	11.5	17.3

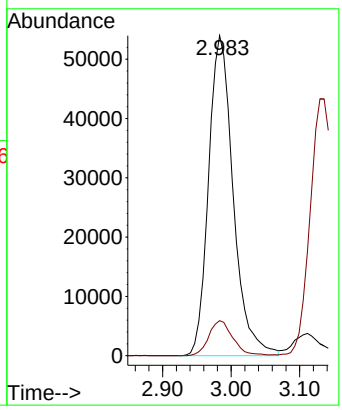




#11
Tert butyl alcohol
Concen: 866.618 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 59 Resp: 13486

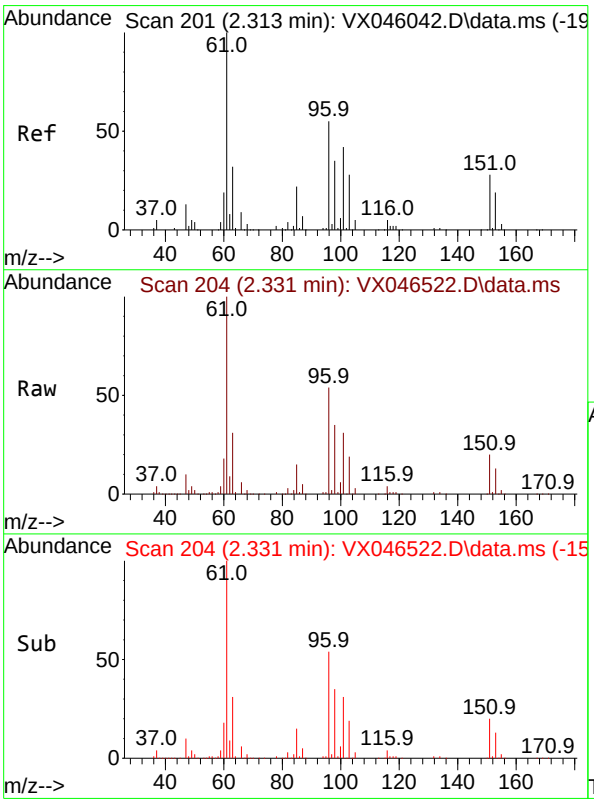
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

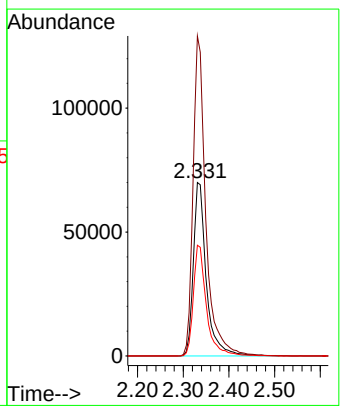
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

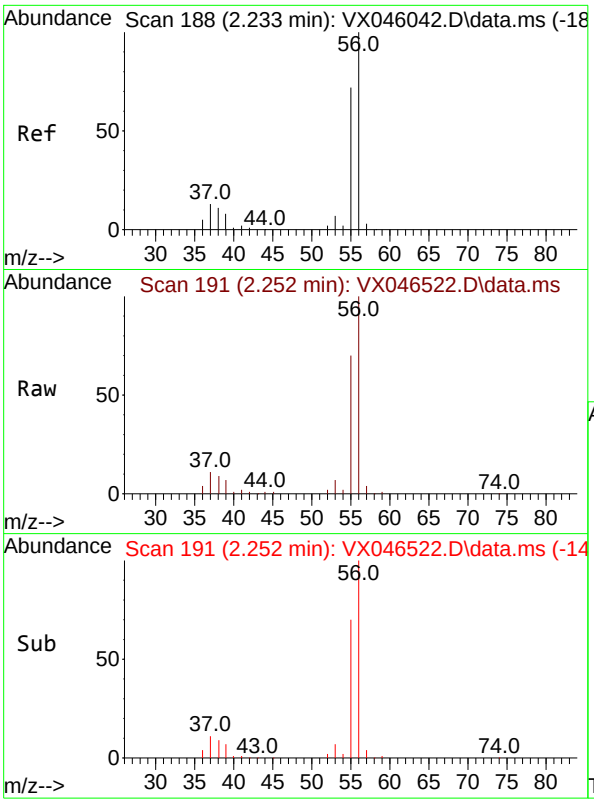


#12
1,1-Dichloroethene
Concen: 147.838 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 96 Resp: 138358

Ion	Ratio	Lower	Upper
96	100		
61	184.5	146.2	219.2
98	63.9	51.0	76.6

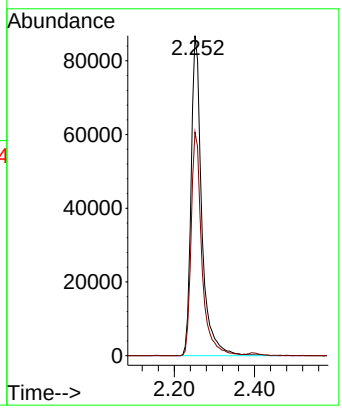




#13
Acrolein
Concen: 778.853 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 56 Resp: 16016

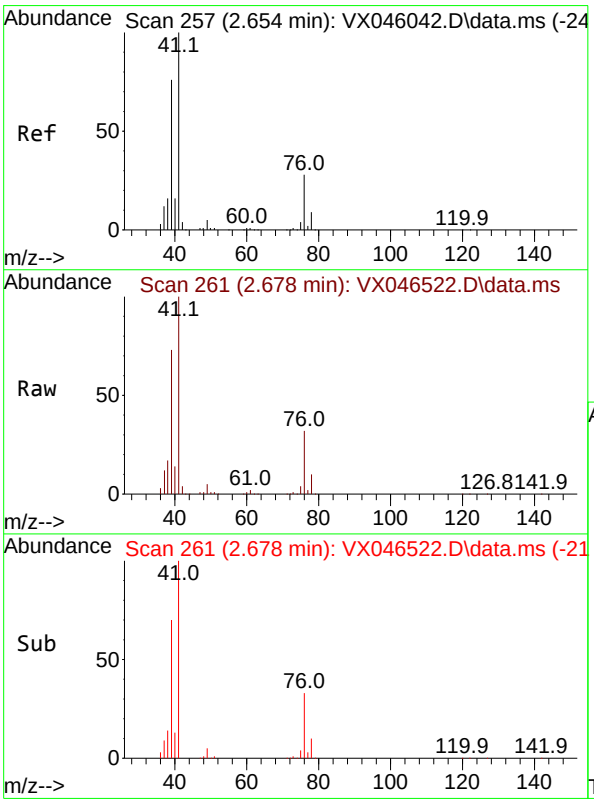
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

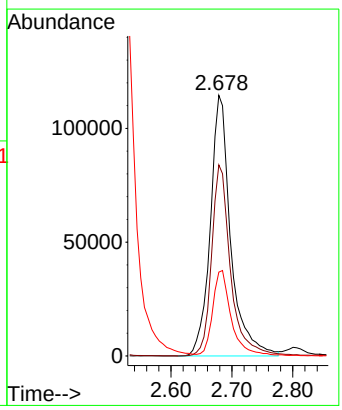
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

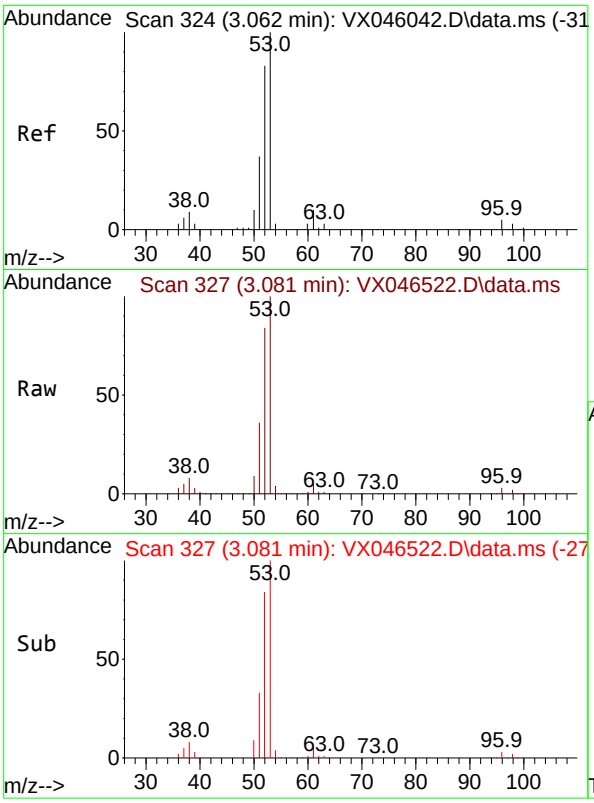


#14
Allyl chloride
Concen: 145.460 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 41 Resp: 267359

Ion	Ratio	Lower	Upper
41	100		
39	68.4	60.6	90.8
76	29.9	24.9	37.3

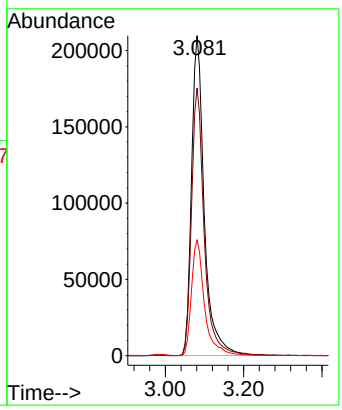




#15
Acrylonitrile
Concen: 810.040 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 53 Resp: 47661

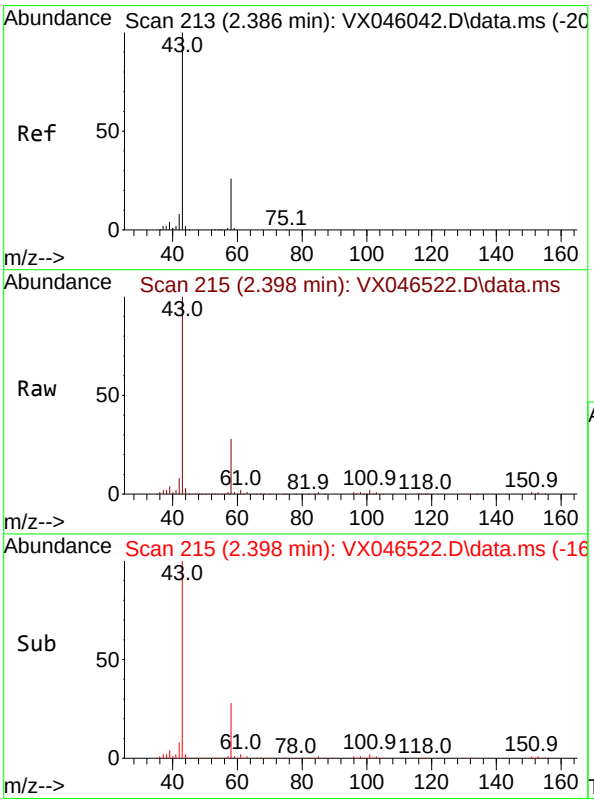
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.3	97.9
51	37.0	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

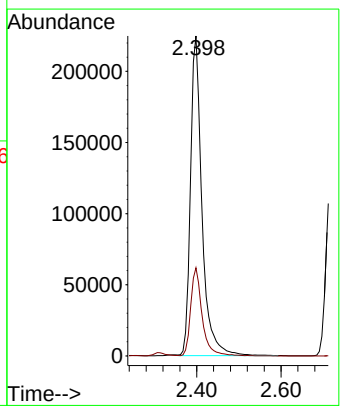
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

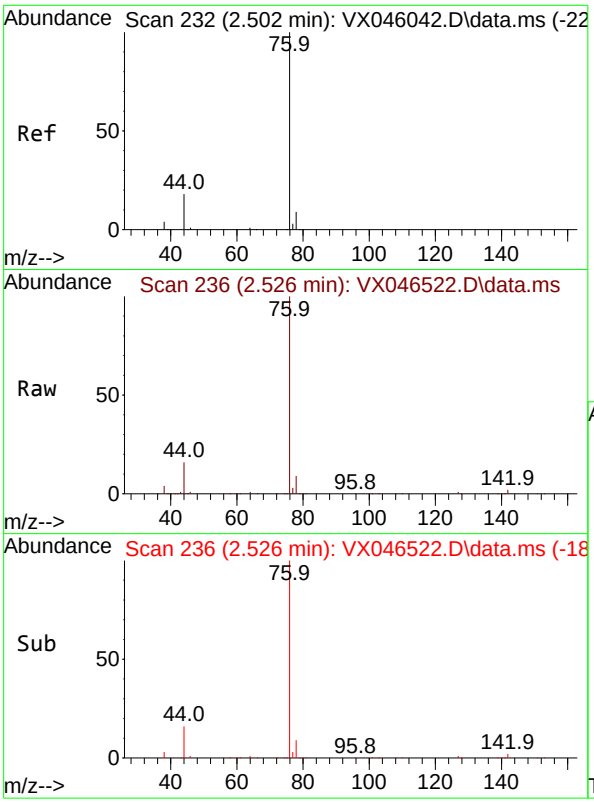


#16
Acetone
Concen: 763.161 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 425579

Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.2	31.8





#17
Carbon Disulfide
Concen: 152.815 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

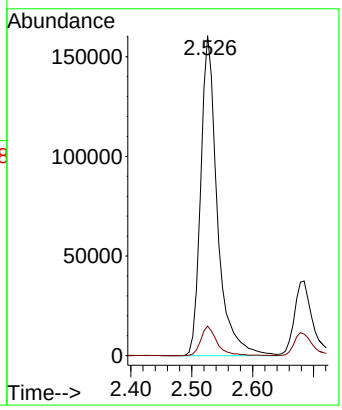
Tgt Ion: 76 Resp: 30449

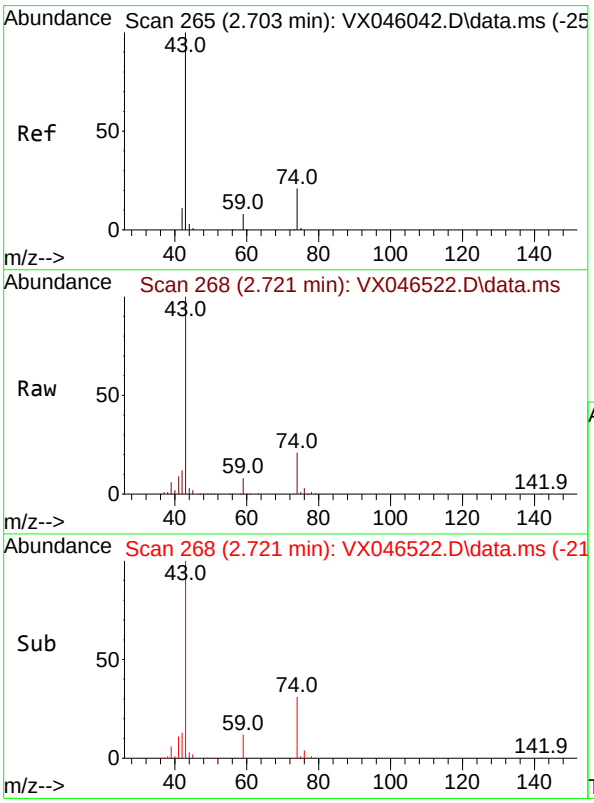
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

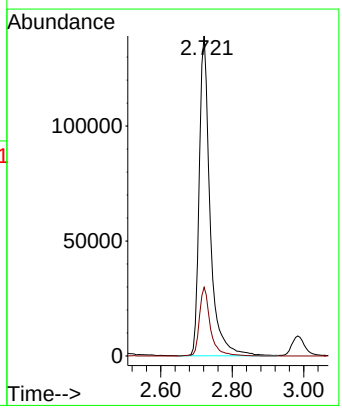


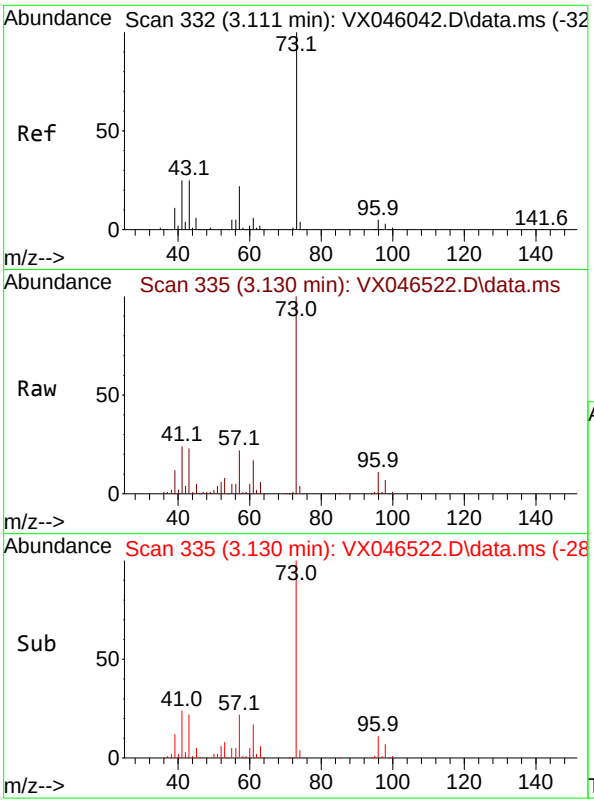


#18
Methyl Acetate
Concen: 175.157 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 292598

Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1

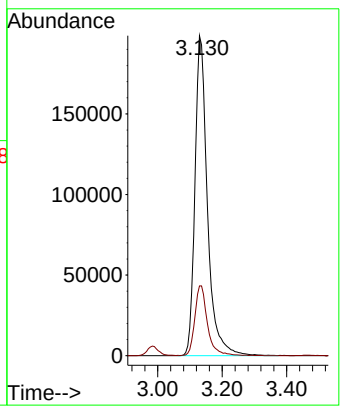




#19
Methyl tert-butyl Ether
Concen: 162.931 ug/l
RT: 3.130 min Scan# 3
Delta R.T. -0.005 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 73 Resp: 53355

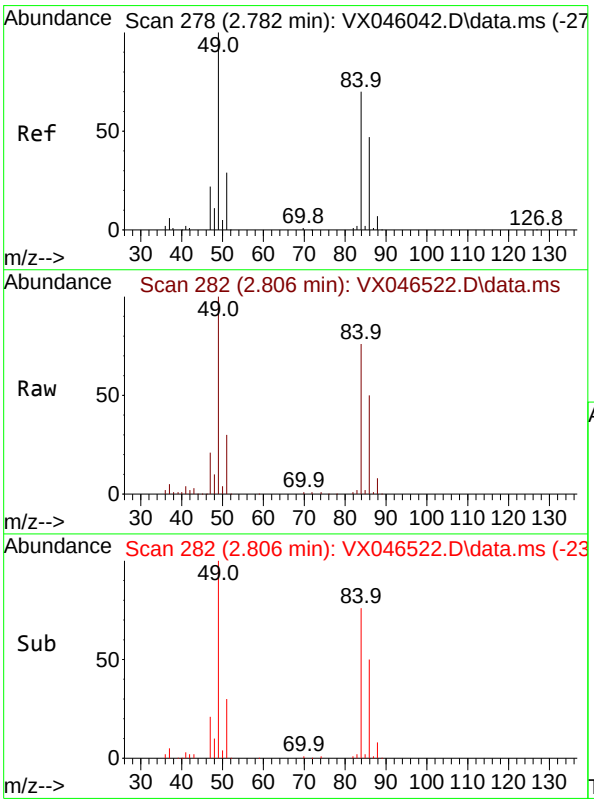
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

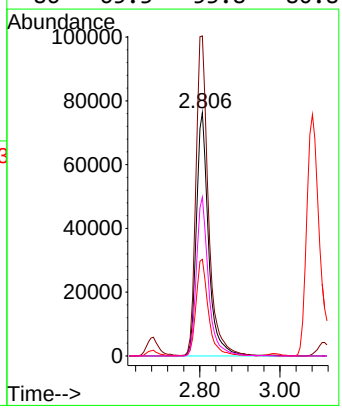
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

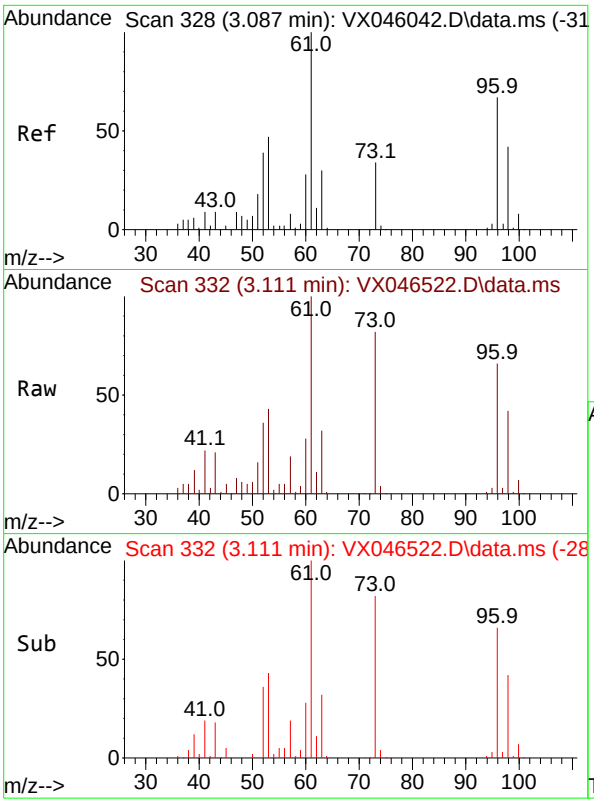


#20
Methylene Chloride
Concen: 142.563 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 84 Resp: 160400

Ion	Ratio	Lower	Upper
84	100		
49	131.3	113.9	170.9
51	39.6	33.5	50.3
86	65.3	53.8	80.8

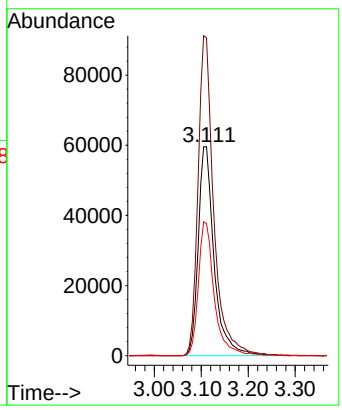




#21
trans-1,2-Dichloroethene
Concen: 141.768 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 96 Resp: 14040

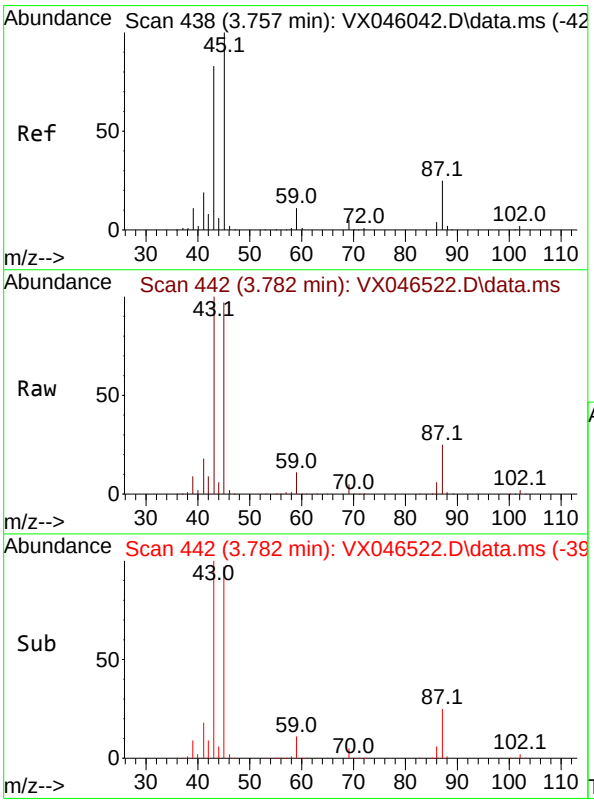
Ion	Ratio	Lower	Upper
96	100		
61	152.0	119.5	179.3
98	63.2	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

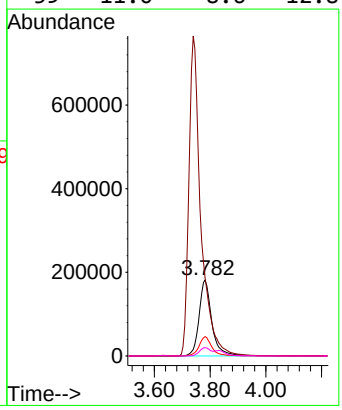
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

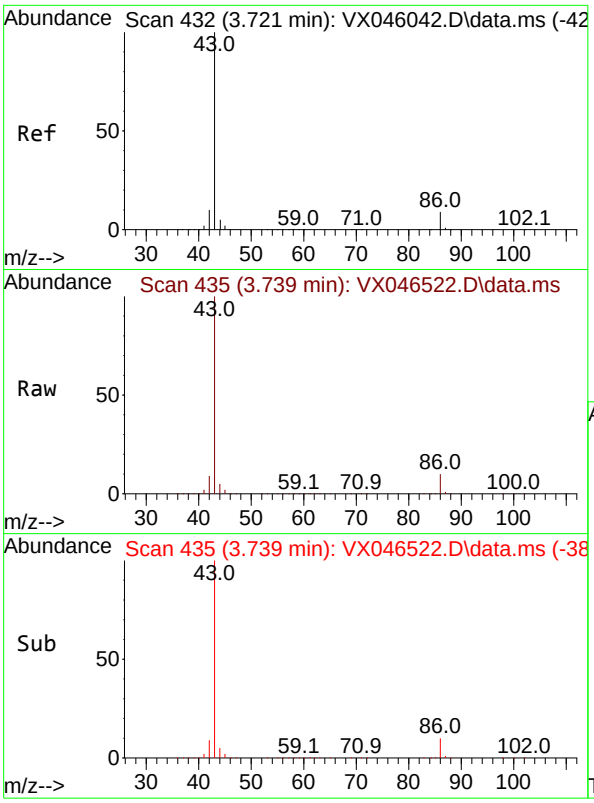


#22
Diisopropyl ether
Concen: 158.547 ug/l
RT: 3.782 min Scan# 442
Delta R.T. -0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 45 Resp: 574529

Ion	Ratio	Lower	Upper
45	100		
43	102.8	66.6	100.0#
87	25.4	19.8	29.6
59	11.0	8.6	12.8

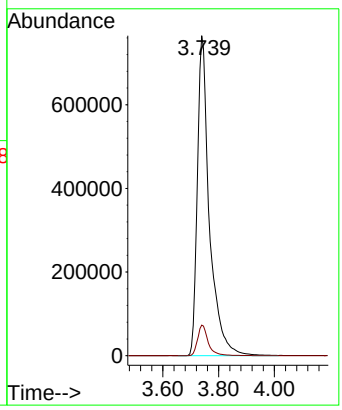




#23
Vinyl Acetate
Concen: 820.000 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 229413

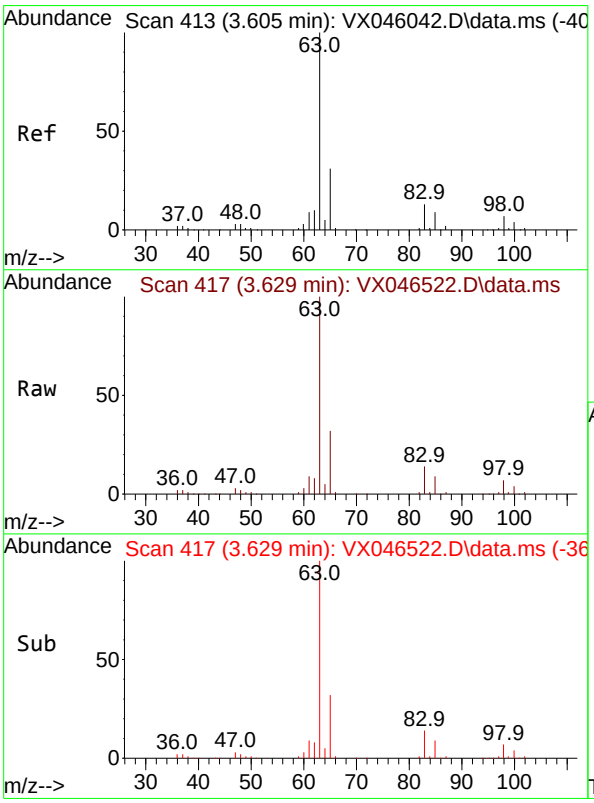
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

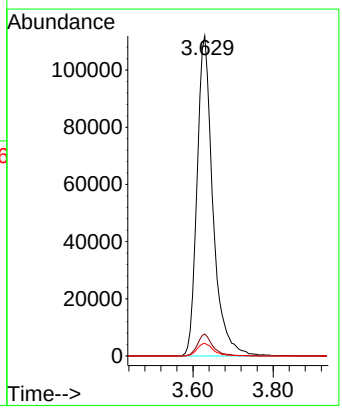
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

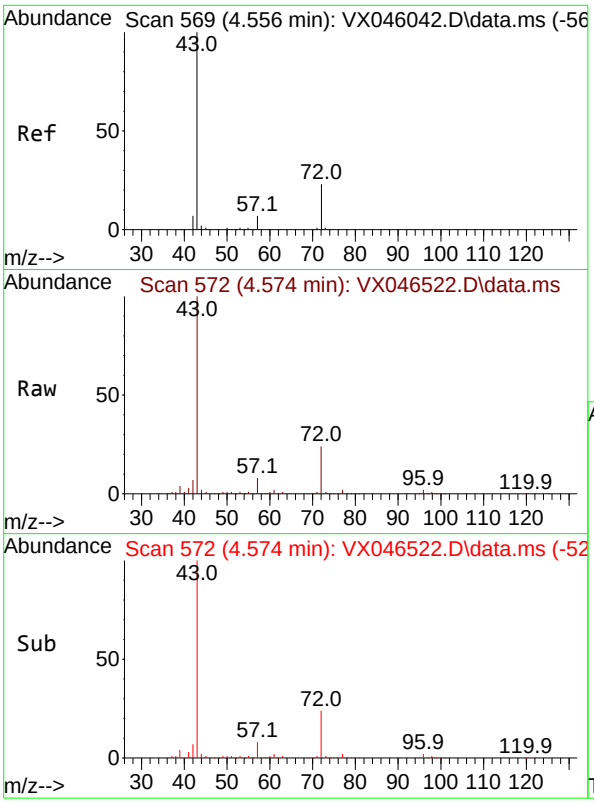


#24
1,1-Dichloroethane
Concen: 151.900 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 63 Resp: 306779

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	3.9	2.1	6.3

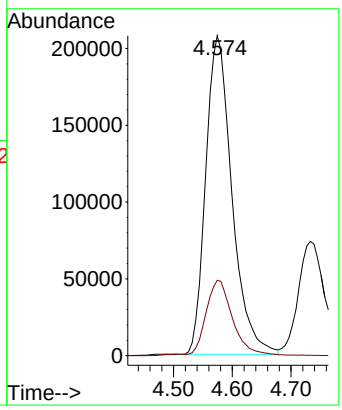




#25
2-Butanone
Concen: 824.425 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 64363

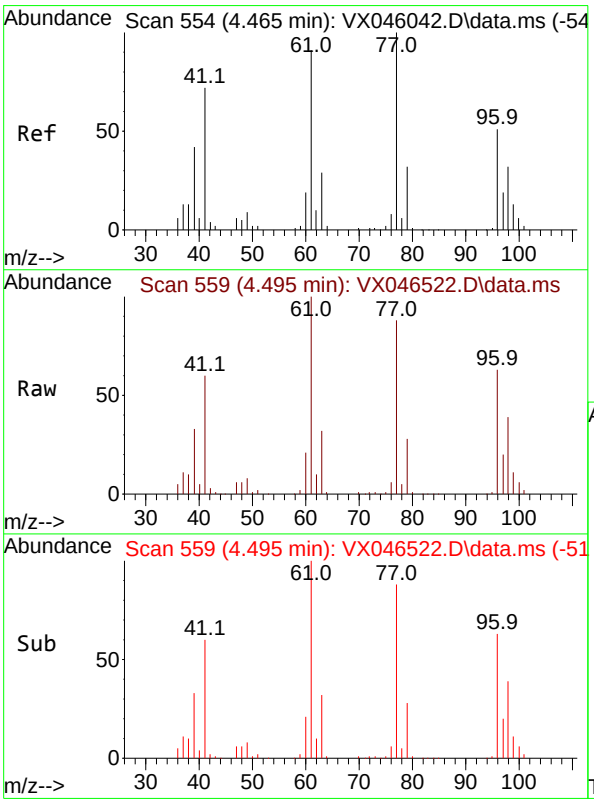
Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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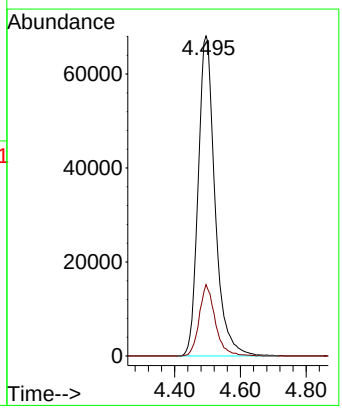
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

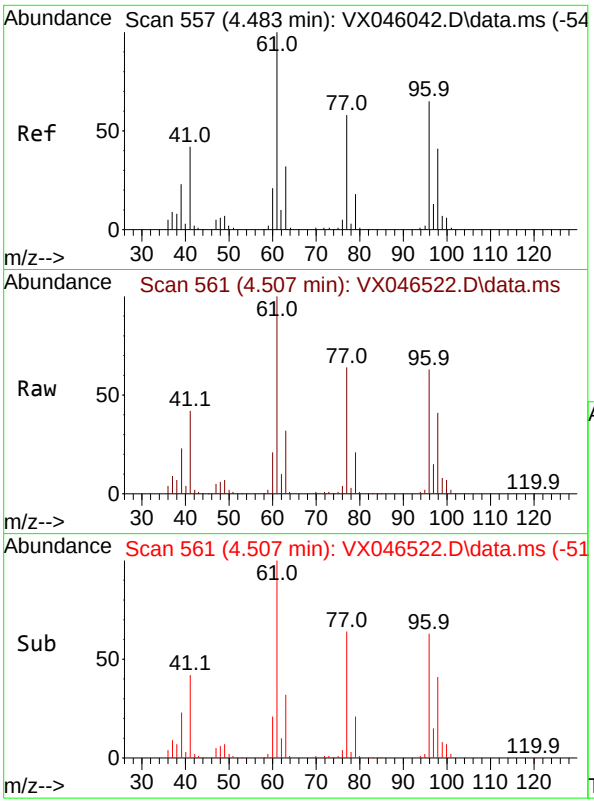


#26
2,2-Dichloropropane
Concen: 161.222 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 77 Resp: 241718

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 148.753 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

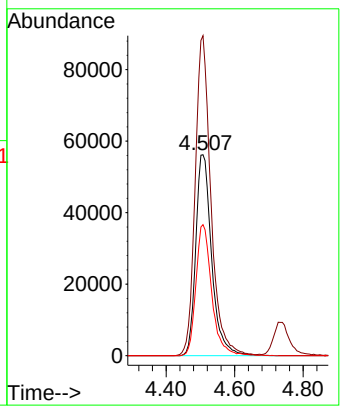
Tgt Ion: 96 Resp: 18136

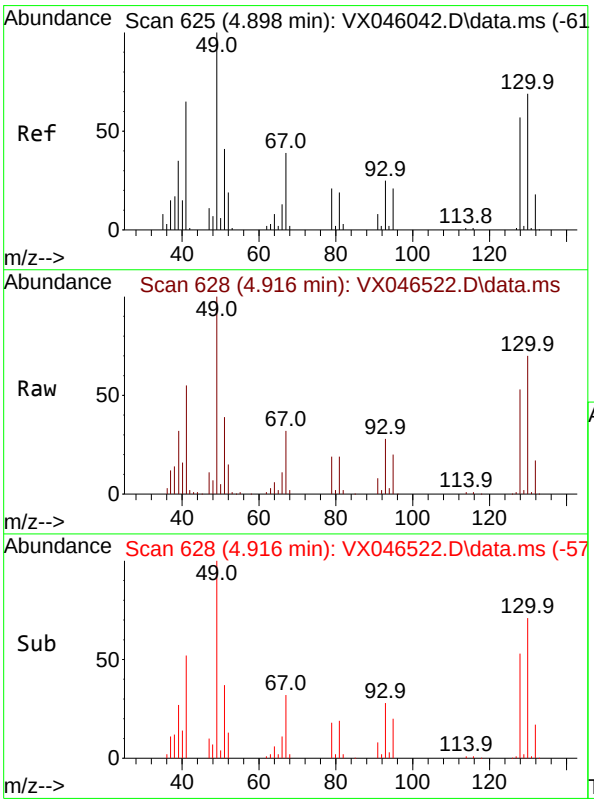
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	322.8
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

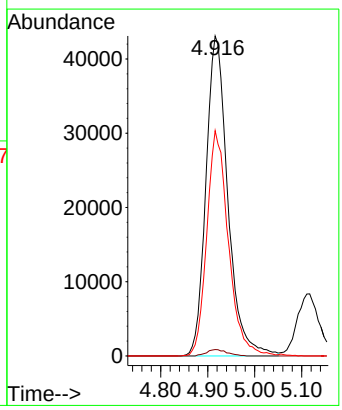


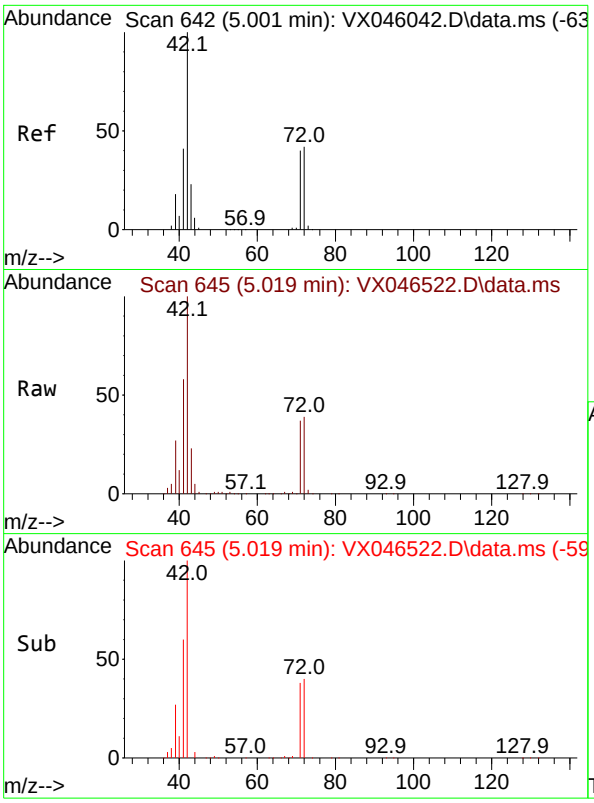


#28
Bromochloromethane
Concen: 144.483 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 49 Resp: 139177

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	69.4	56.2	84.2

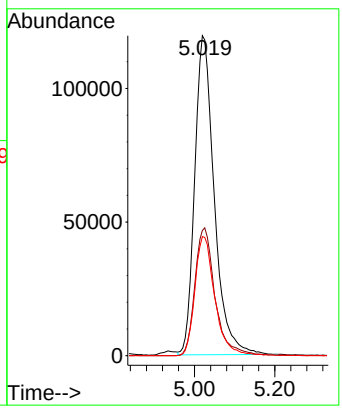




#29
Tetrahydrofuran
Concen: 819.909 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 42 Resp: 40424

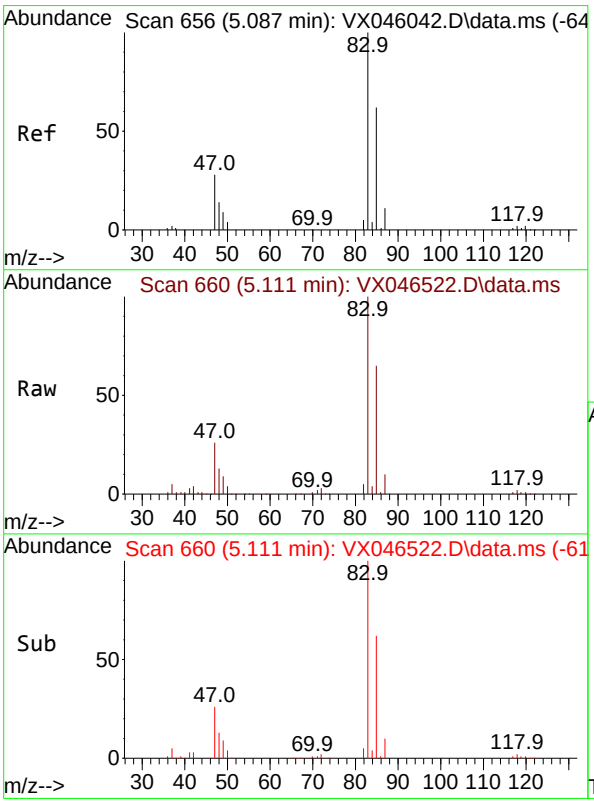
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	38.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

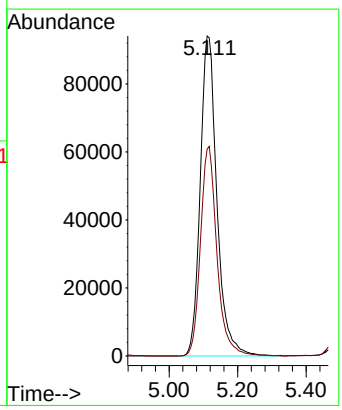
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

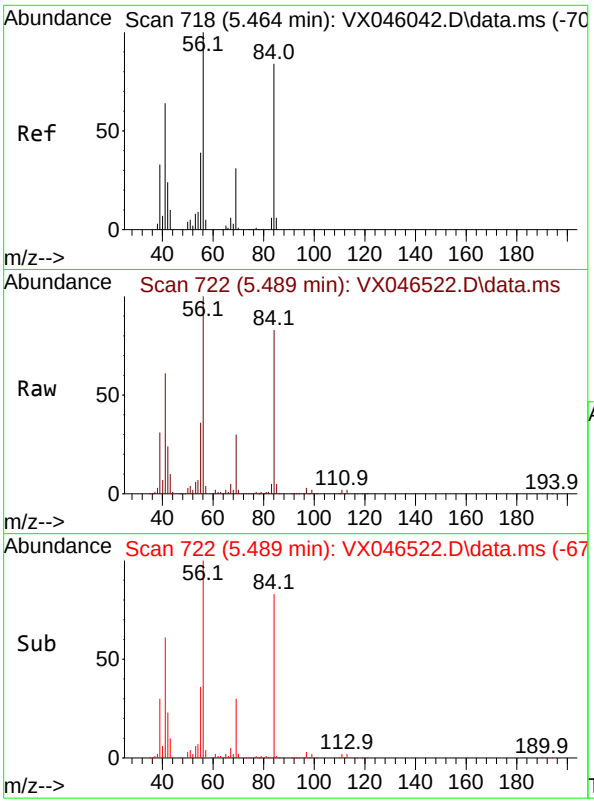


#30
Chloroform
Concen: 150.747 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 83 Resp: 319000

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.3	73.9

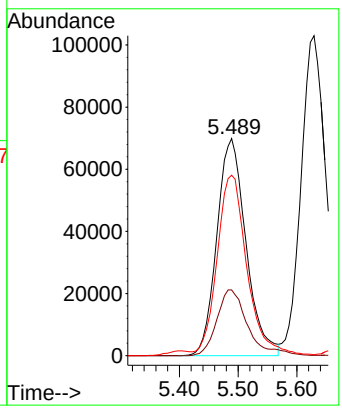




#31
Cyclohexane
Concen: 147.652 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 56 Resp: 24073

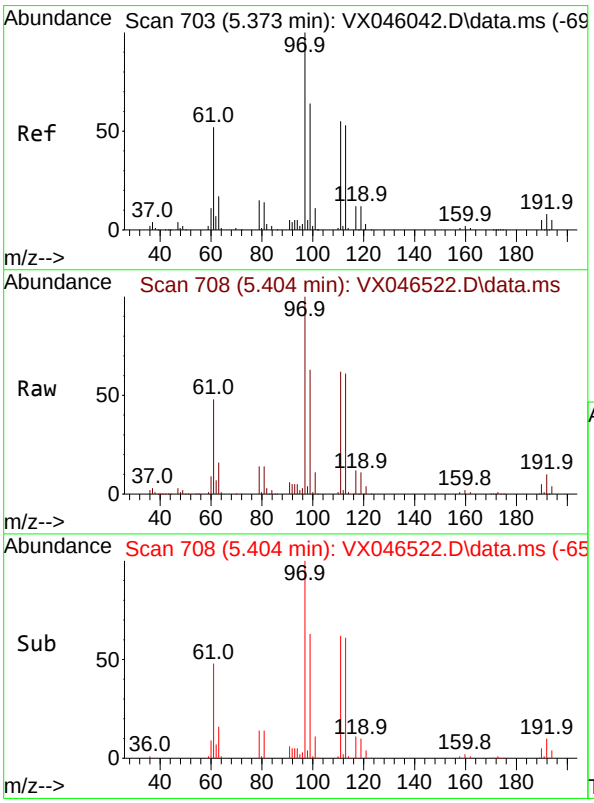
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.4	36.6
84	80.9	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

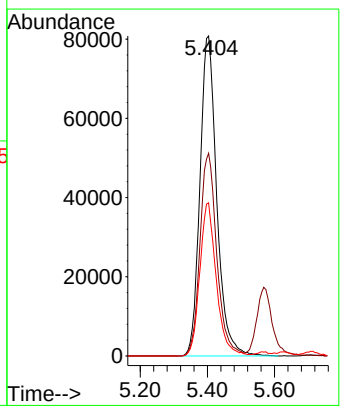
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

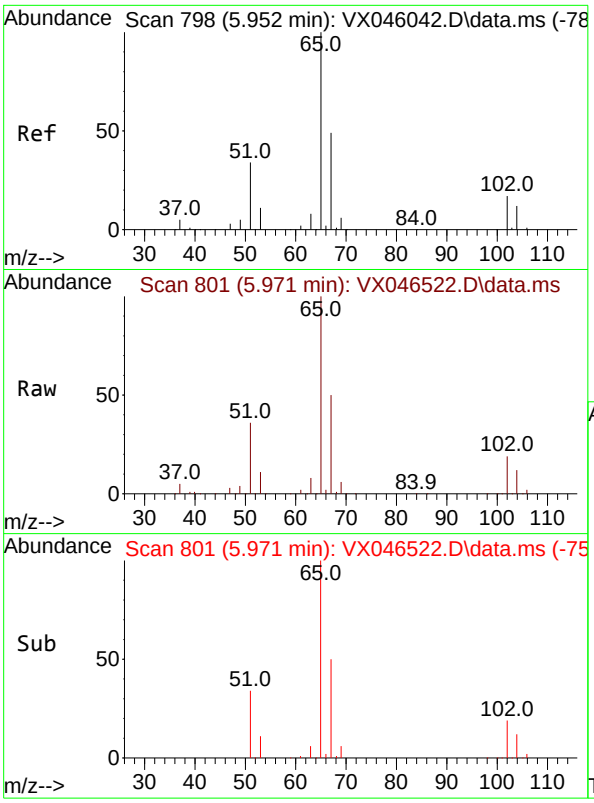


#32
1,1,1-Trichloroethane
Concen: 155.193 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 97 Resp: 280921

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	47.1	40.1	60.1

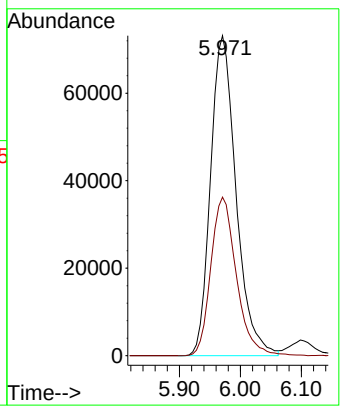




#33
1,2-Dichloroethane-d4
Concen: 151.835 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 65 Resp: 21293

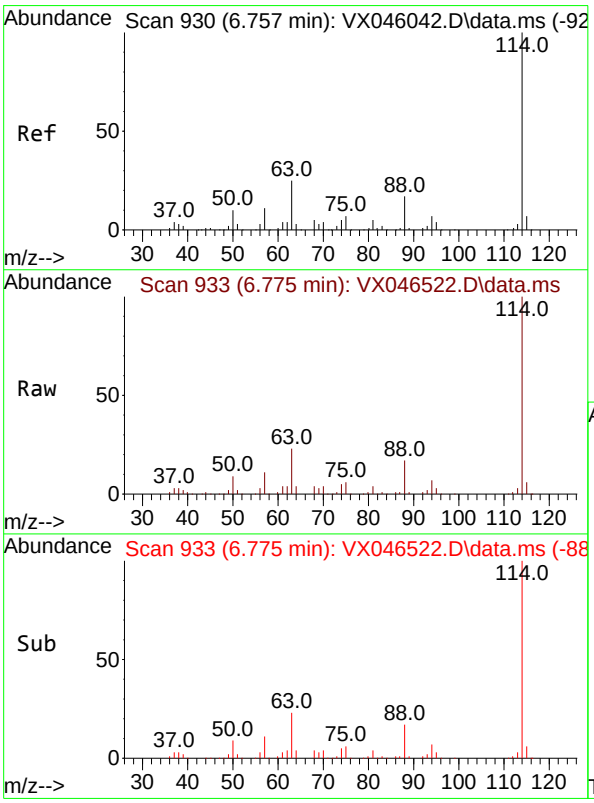
Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

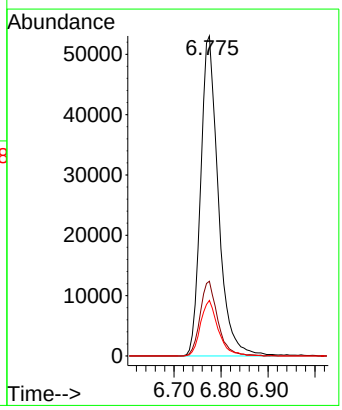
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

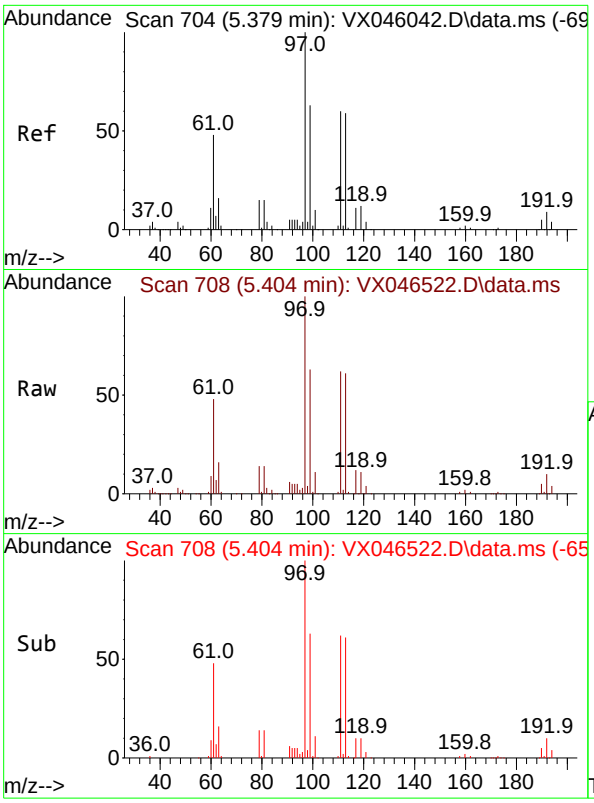


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:114 Resp: 138158

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	49.2
88	17.4	0.0	33.6

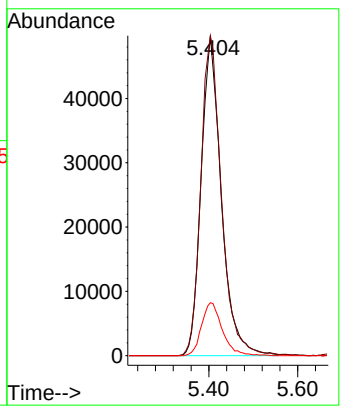




#35
Dibromofluoromethane
Concen: 154.516 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:113 Resp: 15699

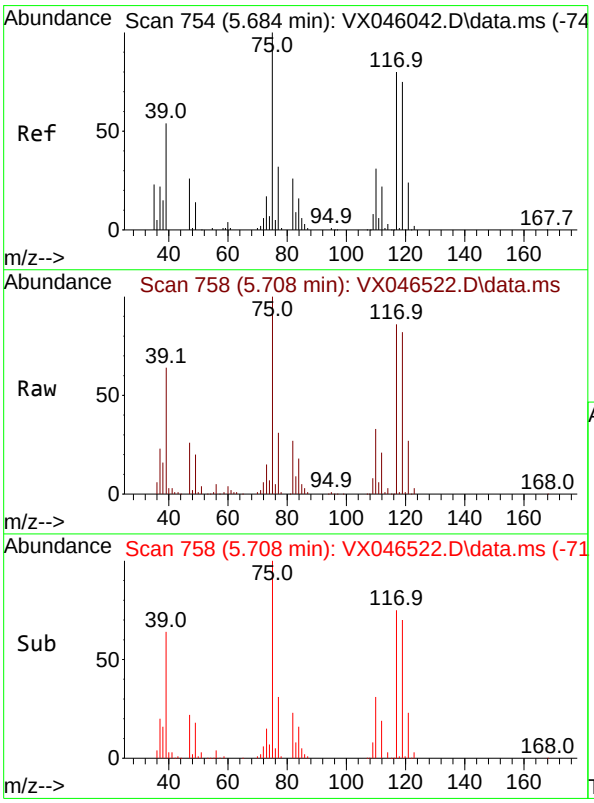
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	17.1	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

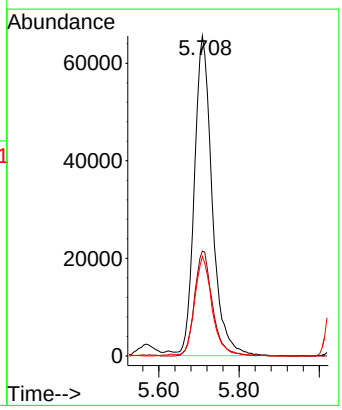
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

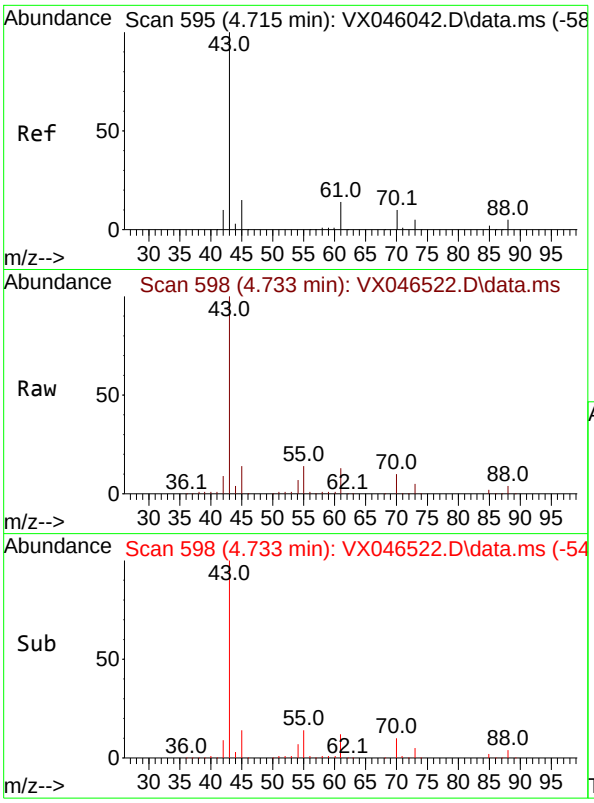


#36
1,1-Dichloropropene
Concen: 138.605 ug/l
RT: 5.708 min Scan# 758
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 75 Resp: 201157

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.3	48.9
77	30.2	24.3	36.5

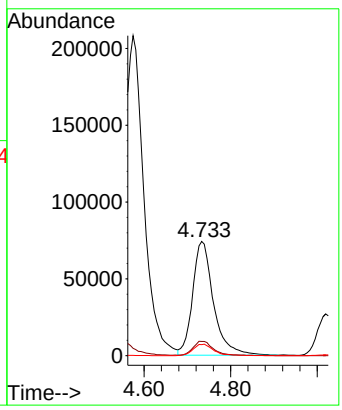




#37
Ethyl Acetate
Concen: 174.441 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 24703

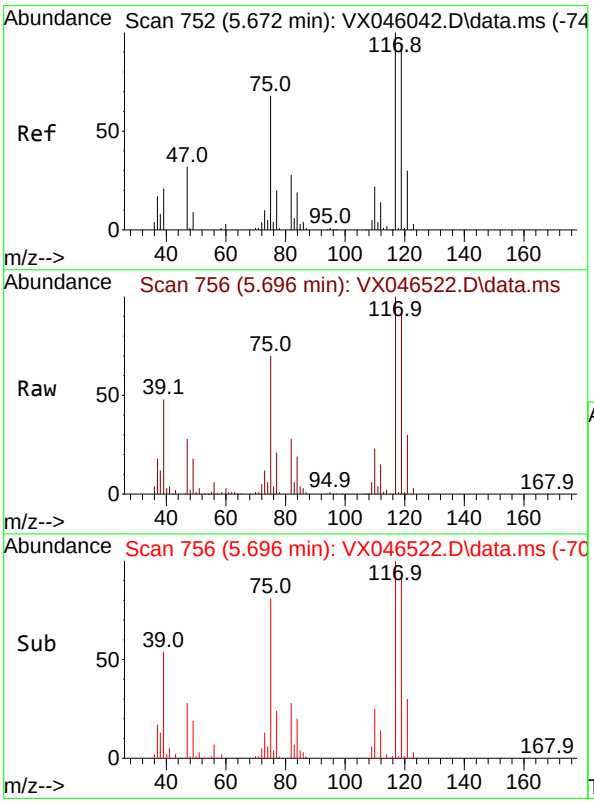
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.0	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

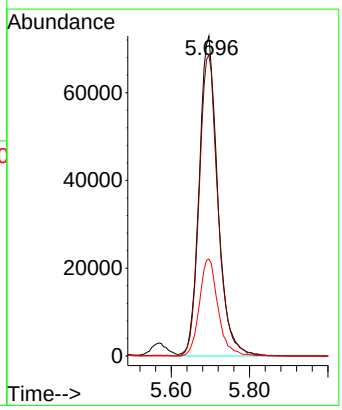
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

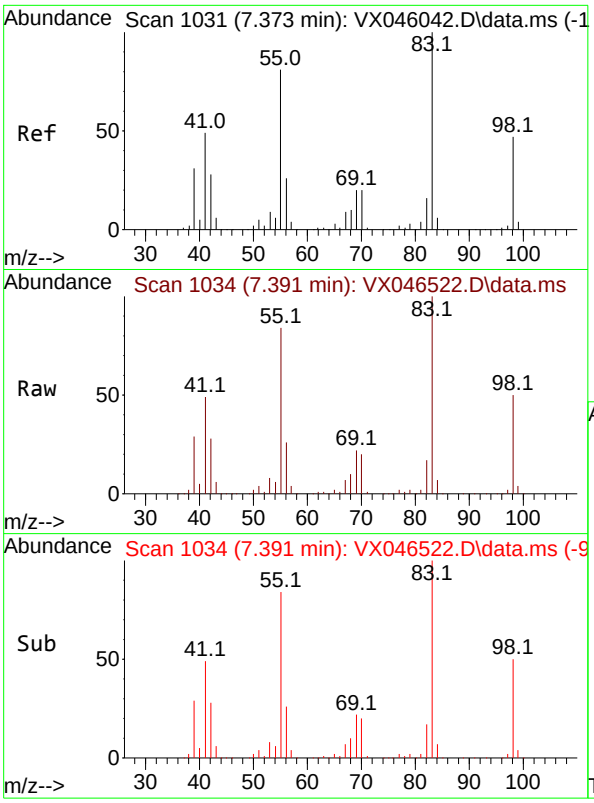


#38
Carbon Tetrachloride
Concen: 147.722 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:117 Resp: 240128

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.2	112.8
121	30.2	24.2	36.4

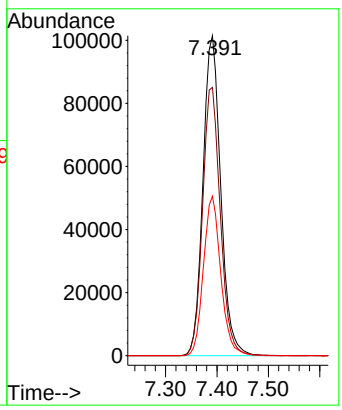




#39
Methylcyclohexane
Concen: 142.009 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 83 Resp: 24326

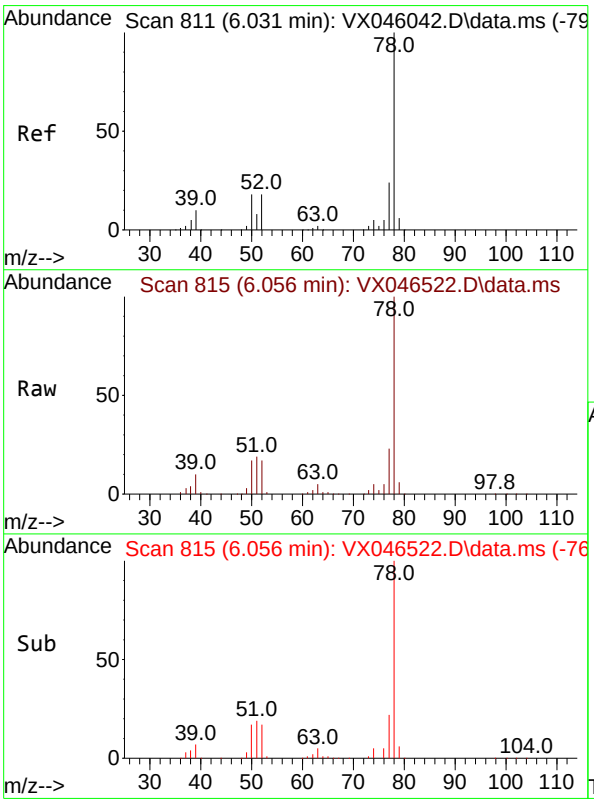
Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.7	97.1
98	49.9	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

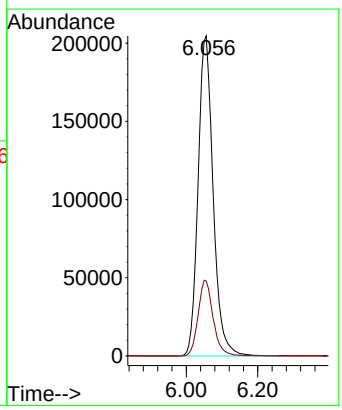
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

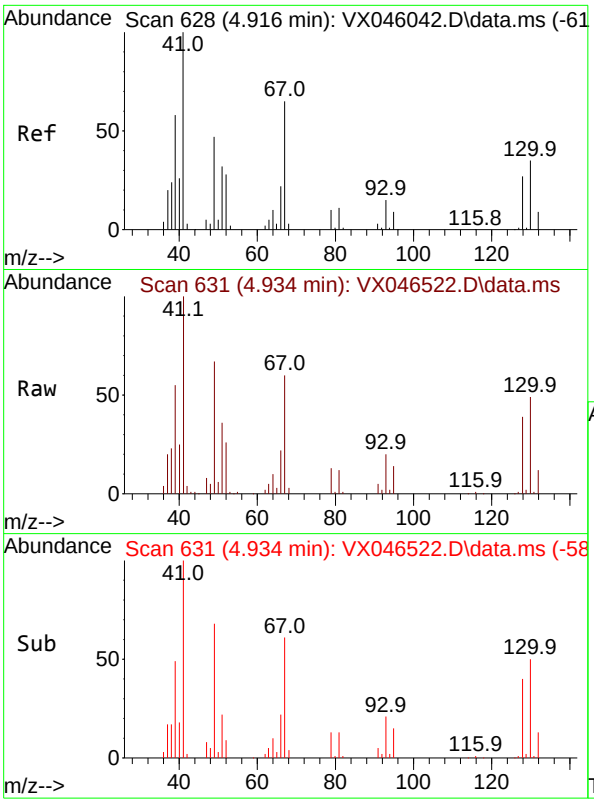


#40
Benzene
Concen: 146.294 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 78 Resp: 597704

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

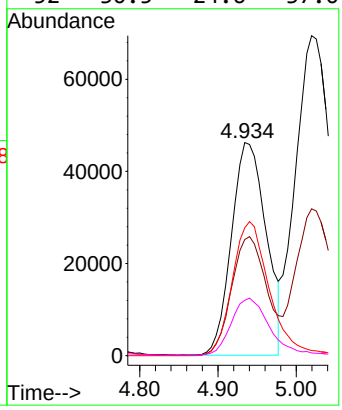




#41
Methacrylonitrile
Concen: 162.001 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 41 Resp: 14249

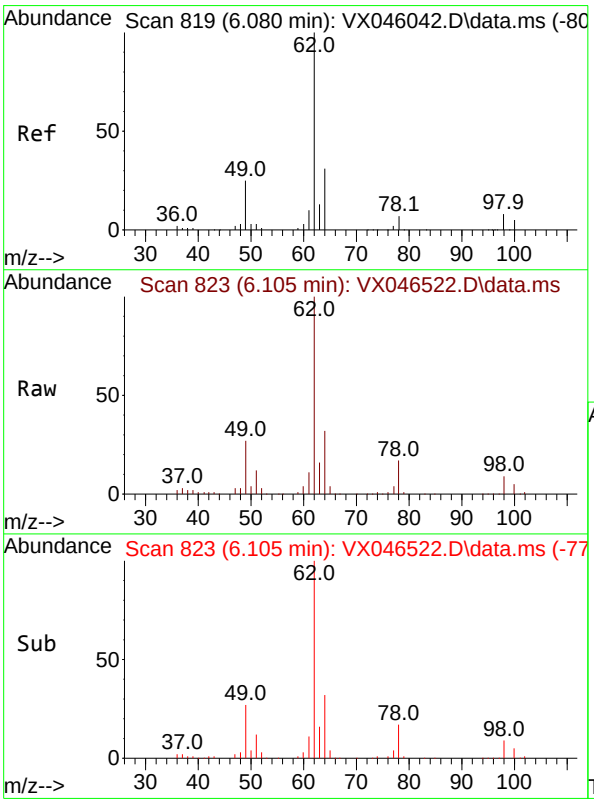
Ion	Ratio	Lower	Upper
41	100		
39	57.6	47.2	70.8
67	68.1	50.7	76.1
52	30.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

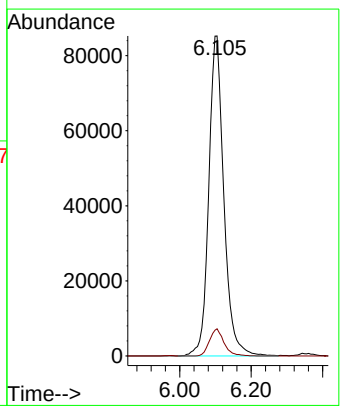
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

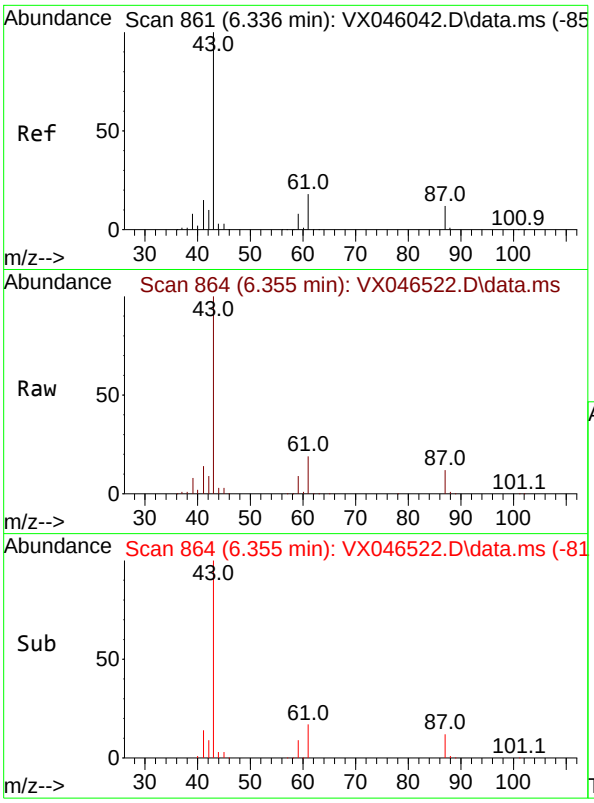


#42
1,2-Dichloroethane
Concen: 146.794 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 62 Resp: 249510

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.2

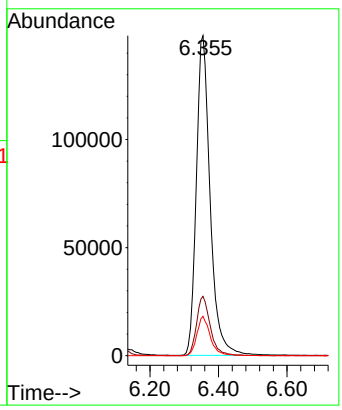




#43
Isopropyl Acetate
Concen: 168.193 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 41532

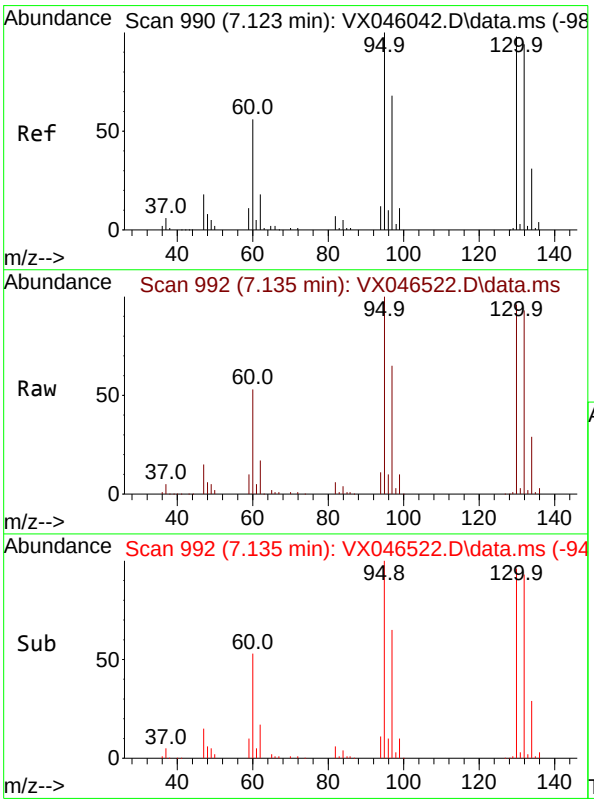
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.3	21.5
87	11.9	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

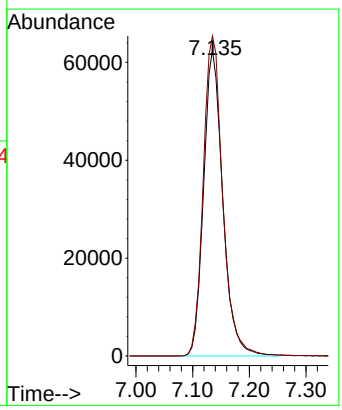
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

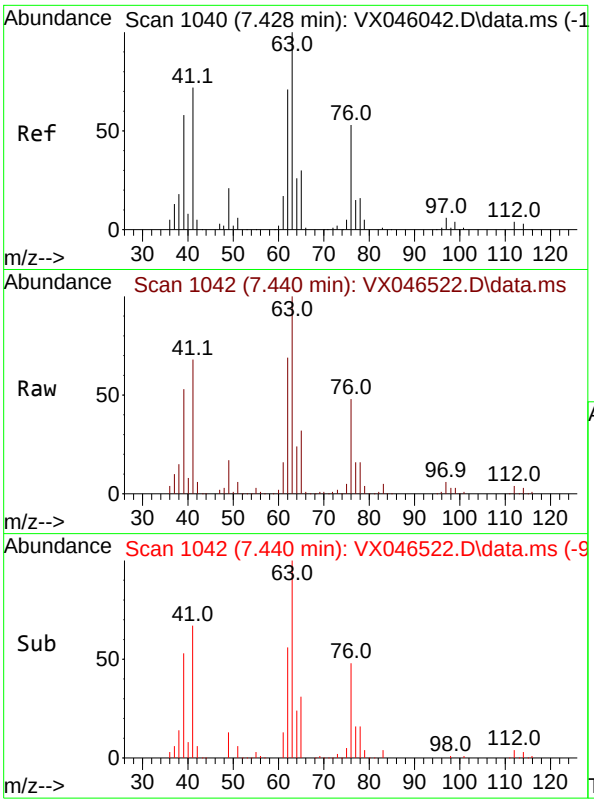


#44
Trichloroethene
Concen: 141.503 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:130 Resp: 146894

Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	204.2

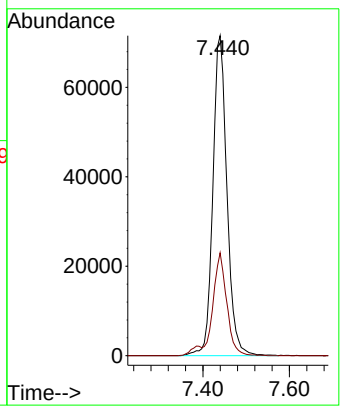




#45
1,2-Dichloropropane
Concen: 153.441 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 63 Resp: 16181

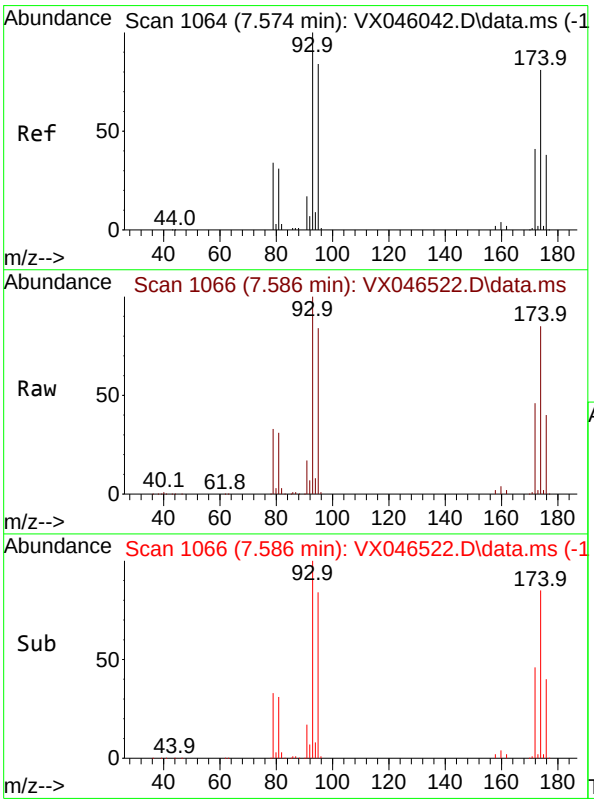
Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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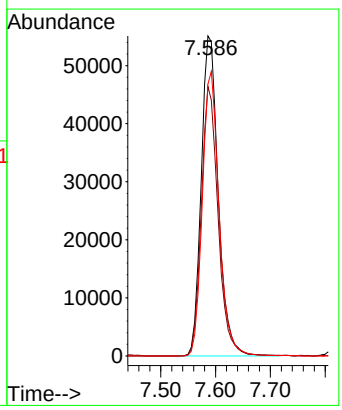
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

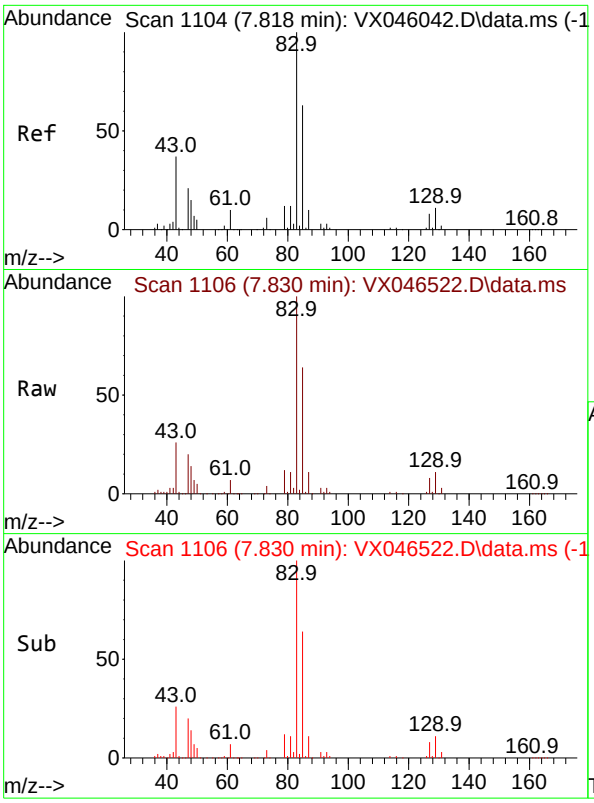


#46
Dibromomethane
Concen: 149.642 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 93 Resp: 118718

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	87.0	68.2	102.2

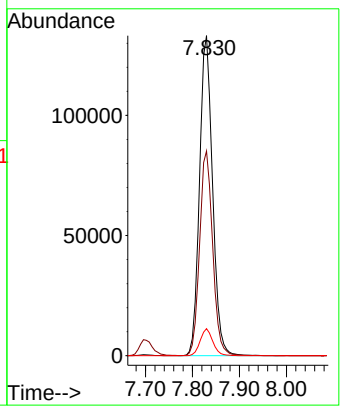




#47
Bromodichloromethane
Concen: 157.050 ug/l
RT: 7.830 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 83 Resp: 25618

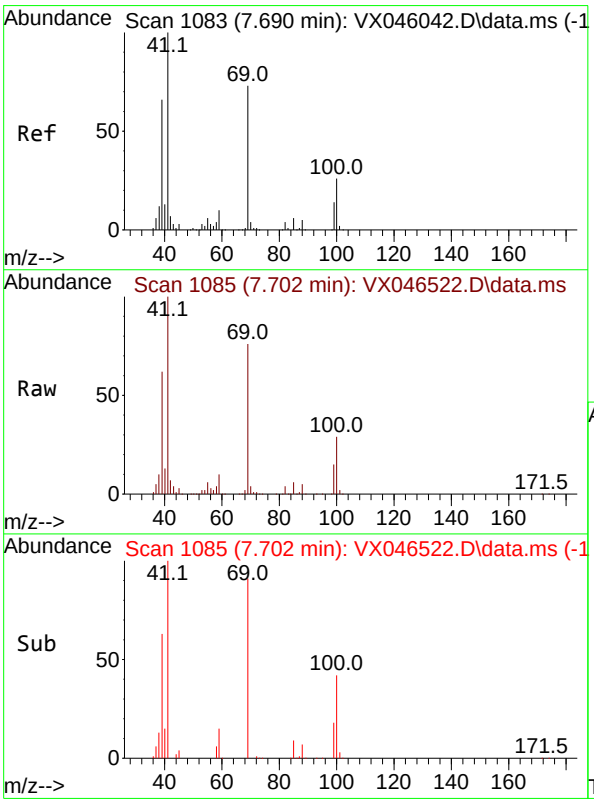
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.5	75.7
127	8.5	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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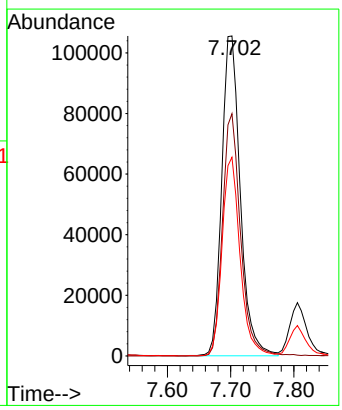
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

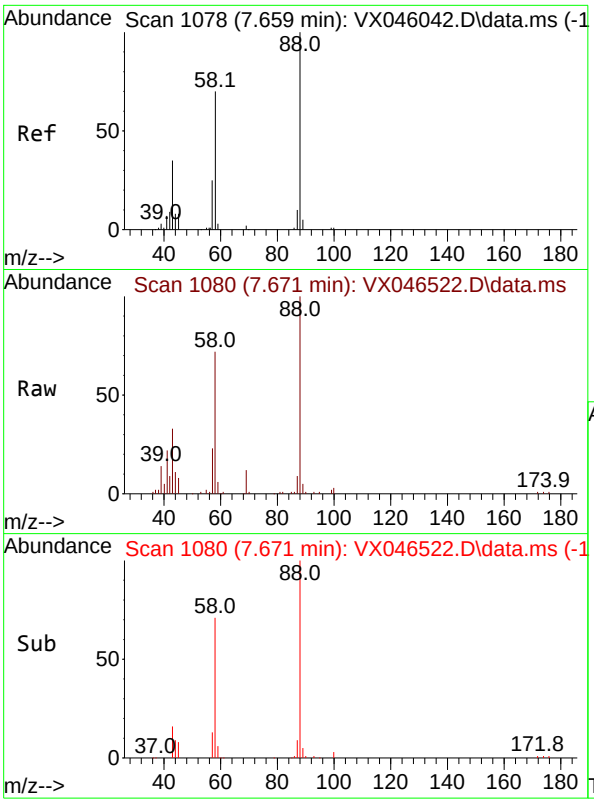


#48
Methyl methacrylate
Concen: 168.505 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 41 Resp: 214089

Ion	Ratio	Lower	Upper
41	100		
69	74.3	58.5	87.7
39	60.3	51.7	77.5





#49
1,4-Dioxane
Concen: 3384.526 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

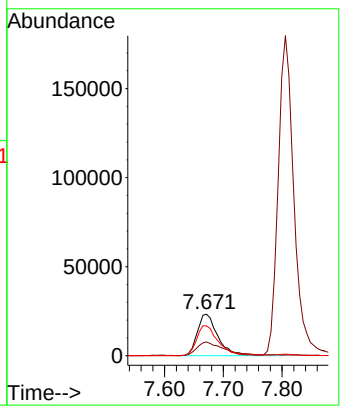
Tgt Ion: 88 Resp: 5750

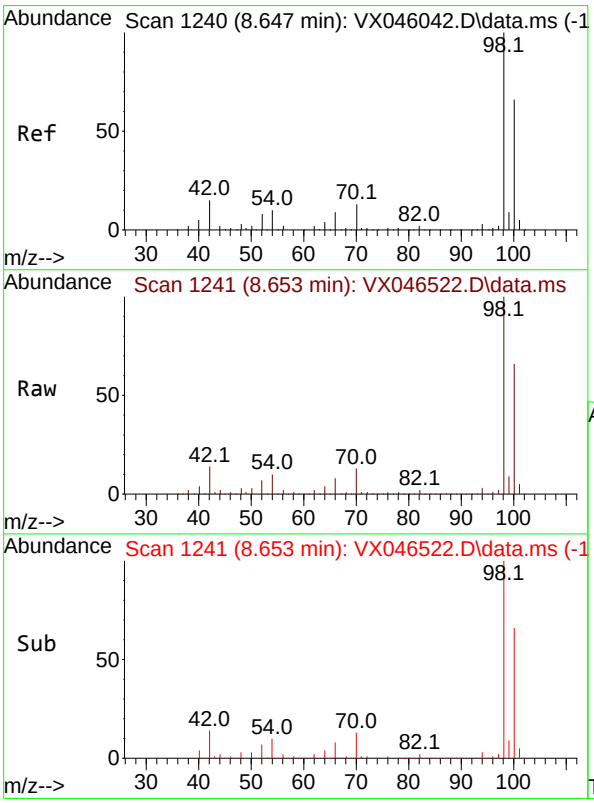
Ion	Ratio	Lower	Upper
88	100		
43	39.7	33.4	50.2
58	76.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

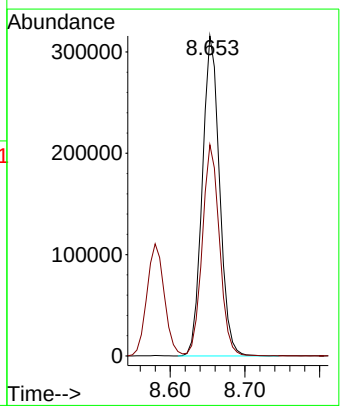


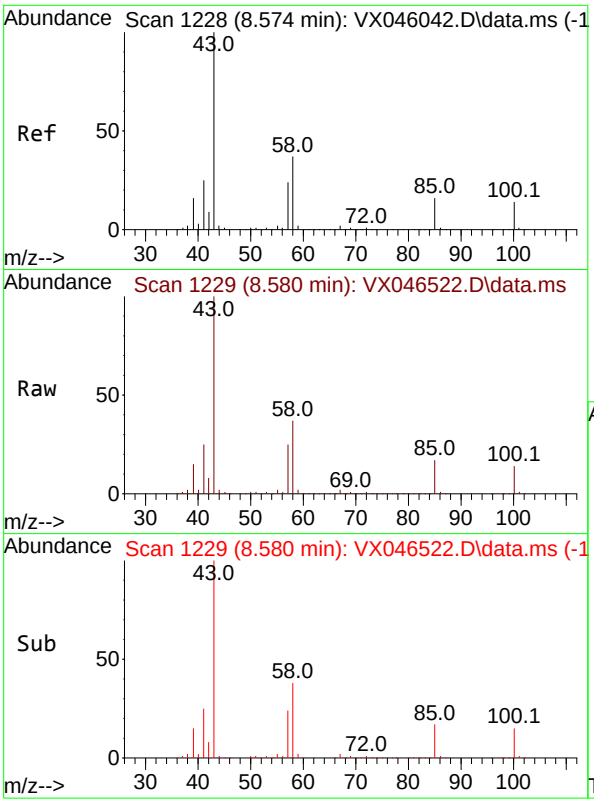


#50
Toluene-d8
Concen: 150.978 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 98 Resp: 505724

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 804.759 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

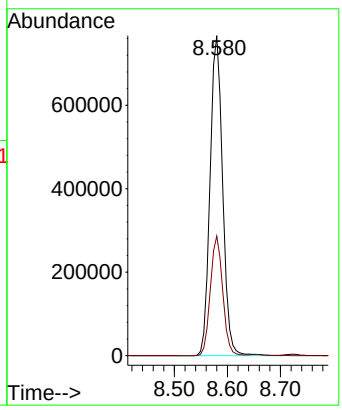
Tgt Ion: 43 Resp: 126281

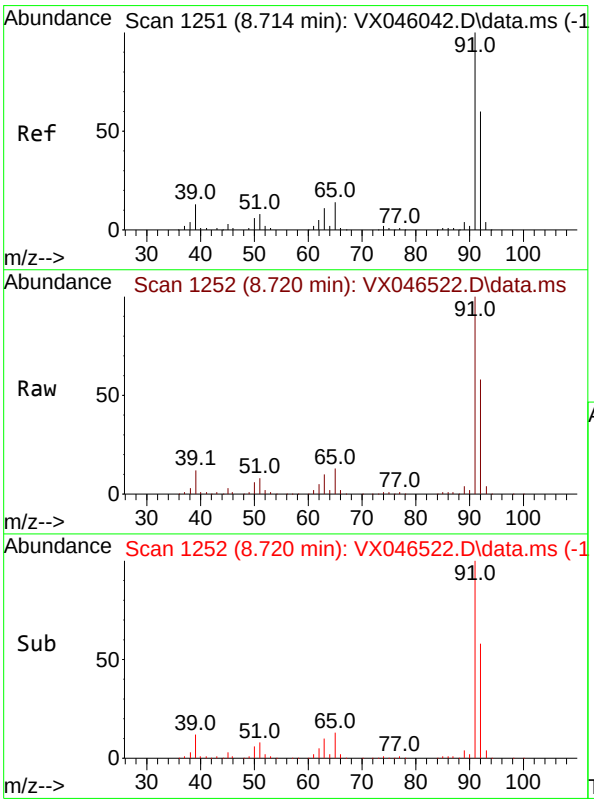
Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

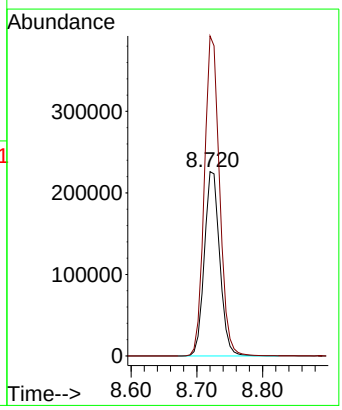


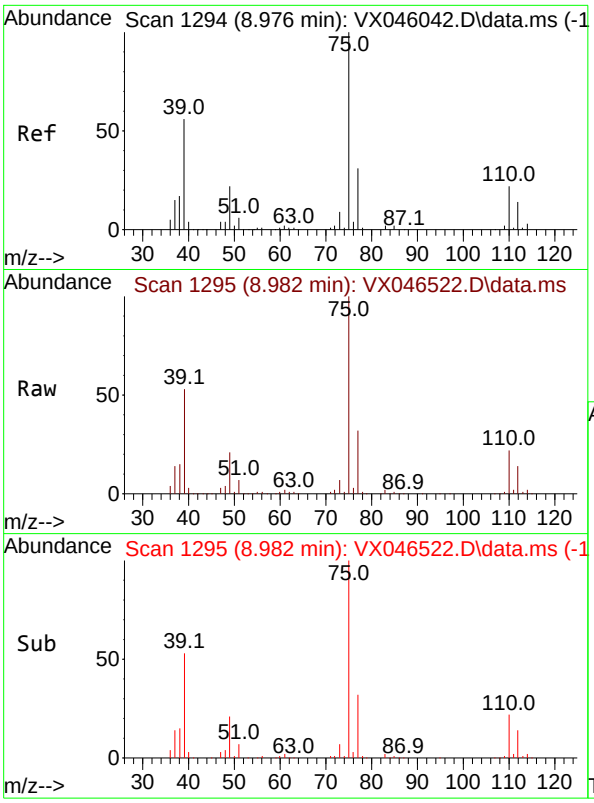


#52
Toluene
Concen: 146.666 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 92 Resp: 368137

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	205.0

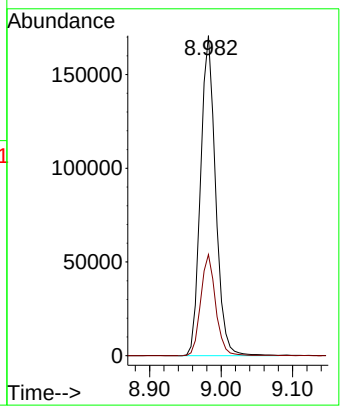




#53
t-1,3-Dichloropropene
Concen: 170.450 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 75 Resp: 24929

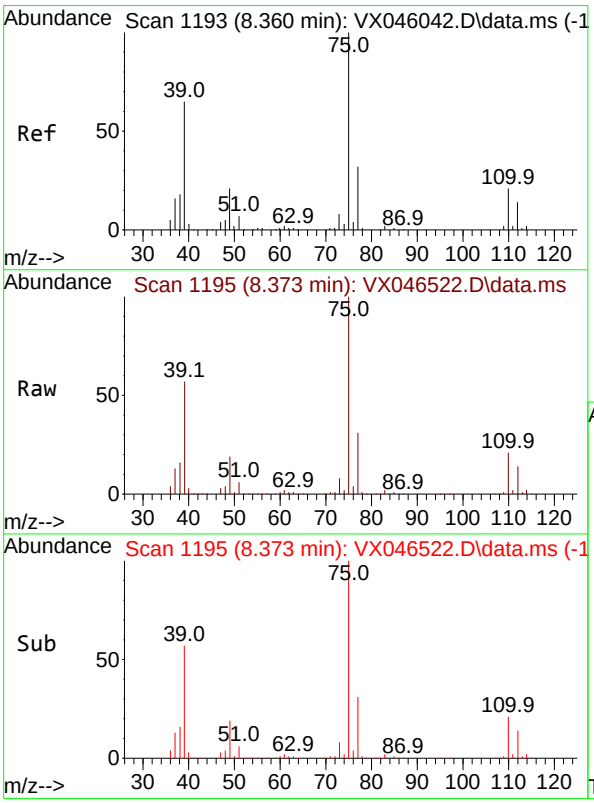
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

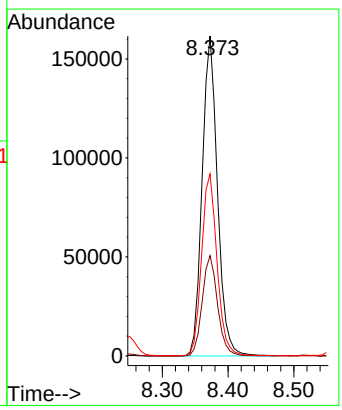
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

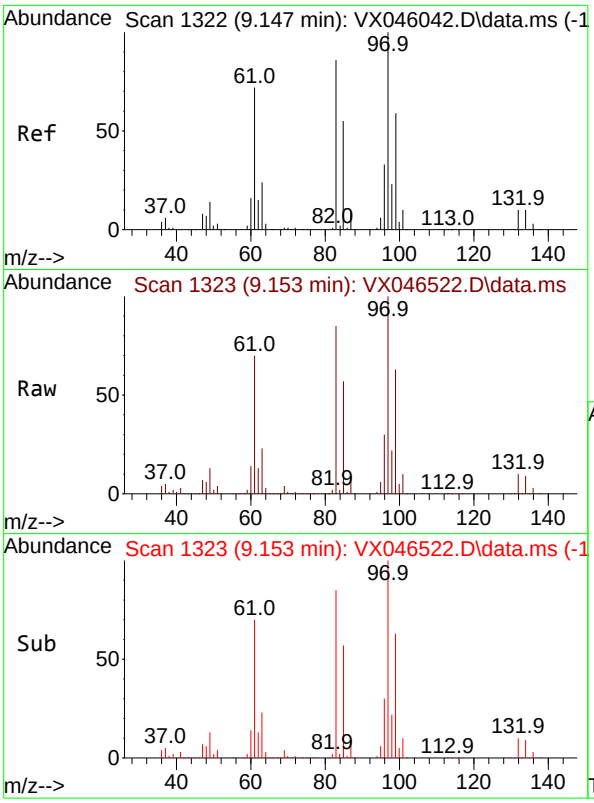


#54
cis-1,3-Dichloropropene
Concen: 161.266 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 75 Resp: 262248

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	56.8	52.2	78.4

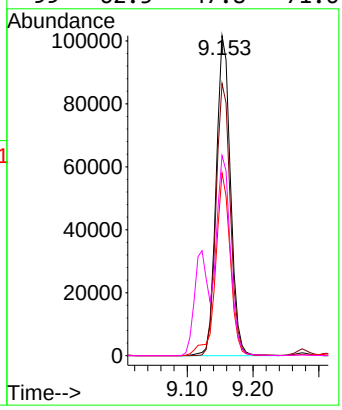




#55
1,1,2-Trichloroethane
Concen: 153.049 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 97 Resp: 15422

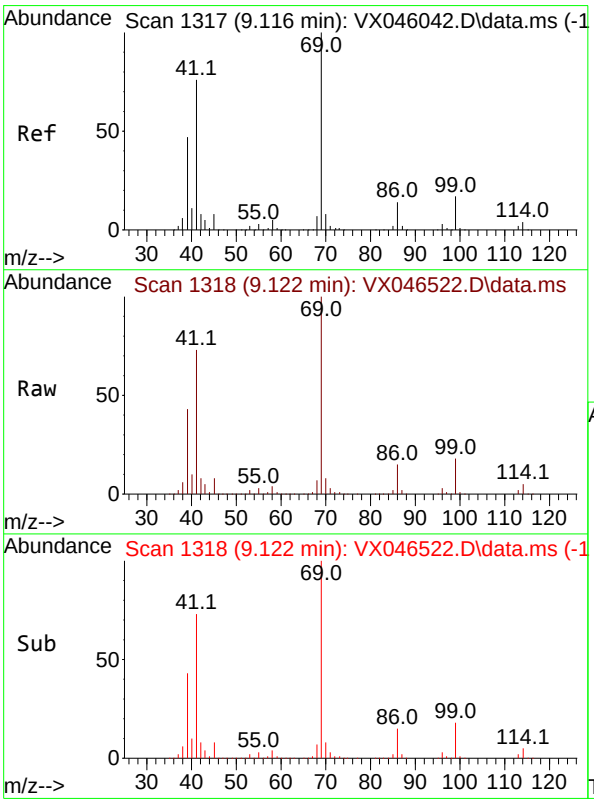
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.0	103.6
85	57.1	44.3	66.5
99	62.5	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

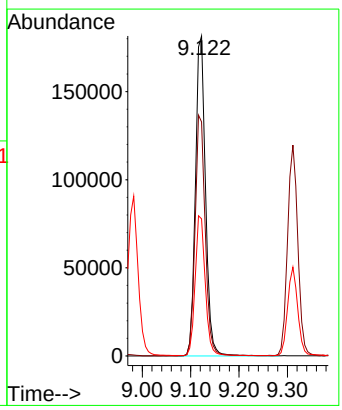
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

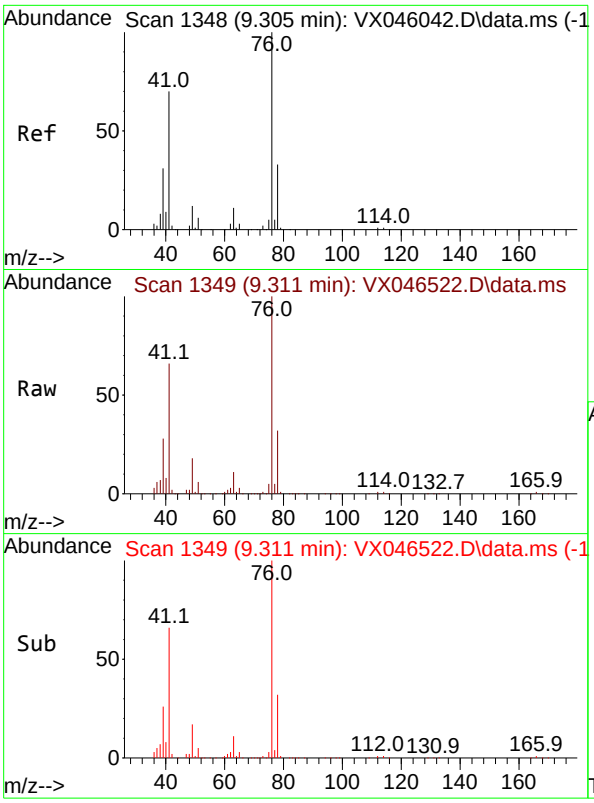


#56
Ethyl methacrylate
Concen: 168.851 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 69 Resp: 261827

Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.8	91.2
39	43.6	39.0	58.6

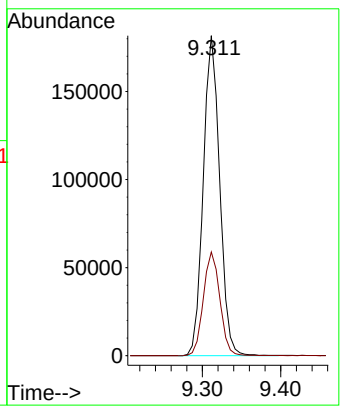




#57
1,3-Dichloropropane
Concen: 148.186 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 76 Resp: 26387

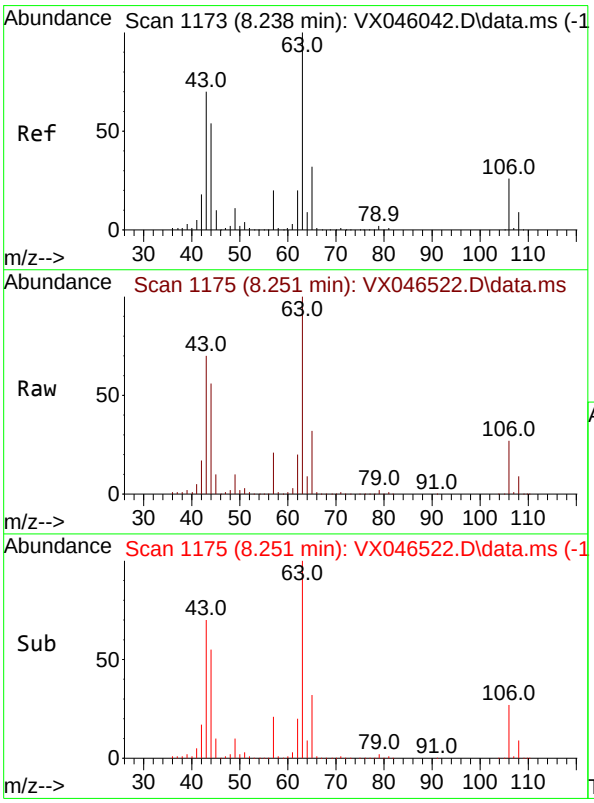
Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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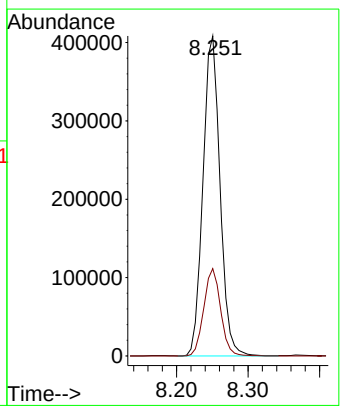
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

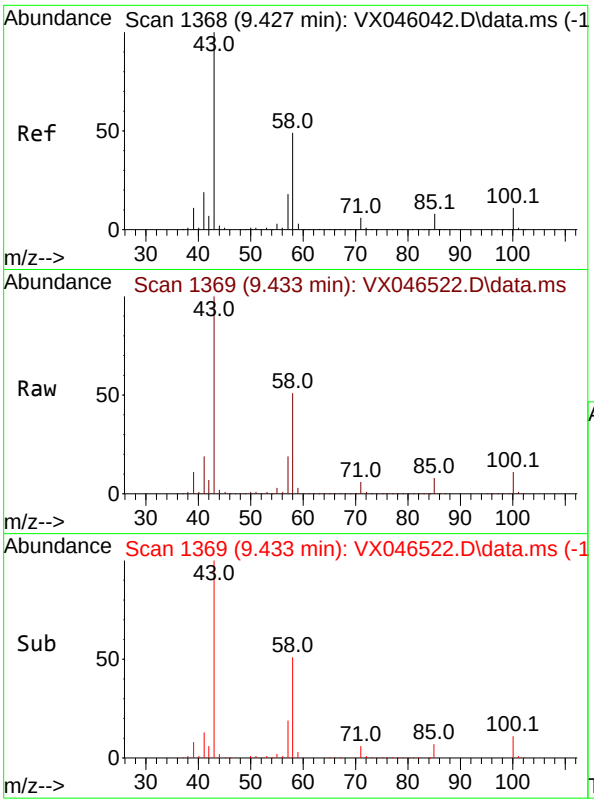


#58
2-Chloroethyl Vinyl ether
Concen: 800.891 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 63 Resp: 676448

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 806.953 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

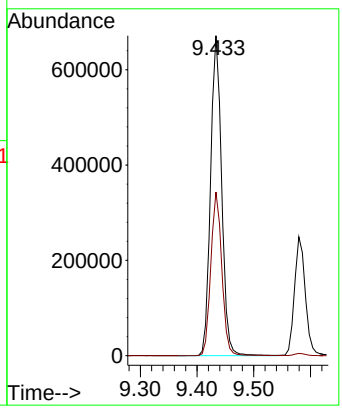
Tgt Ion: 43 Resp: 90814

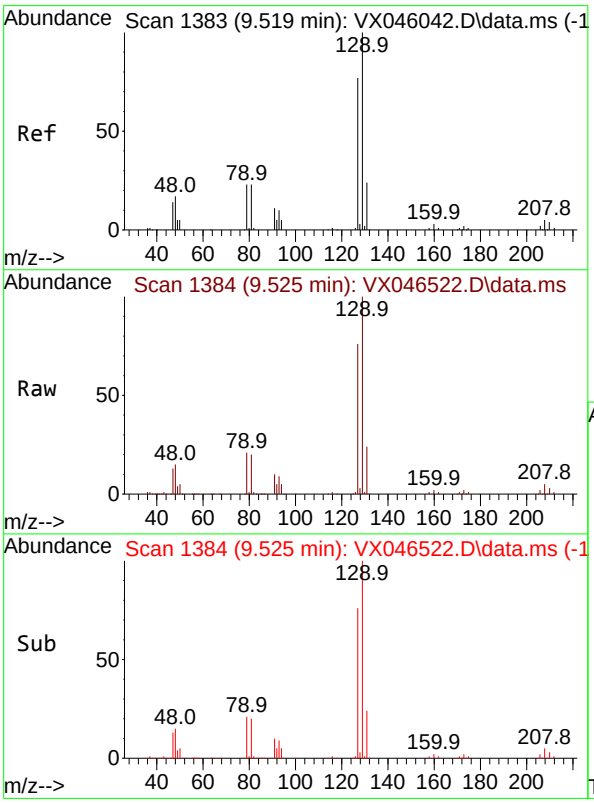
Ion	Ratio	Lower	Upper
43	100		
58	50.8	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

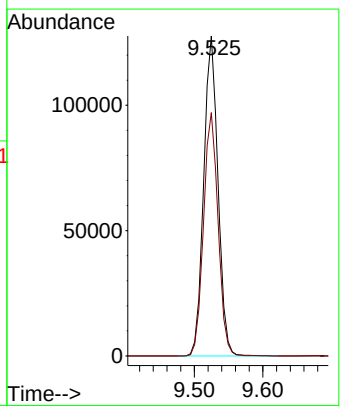


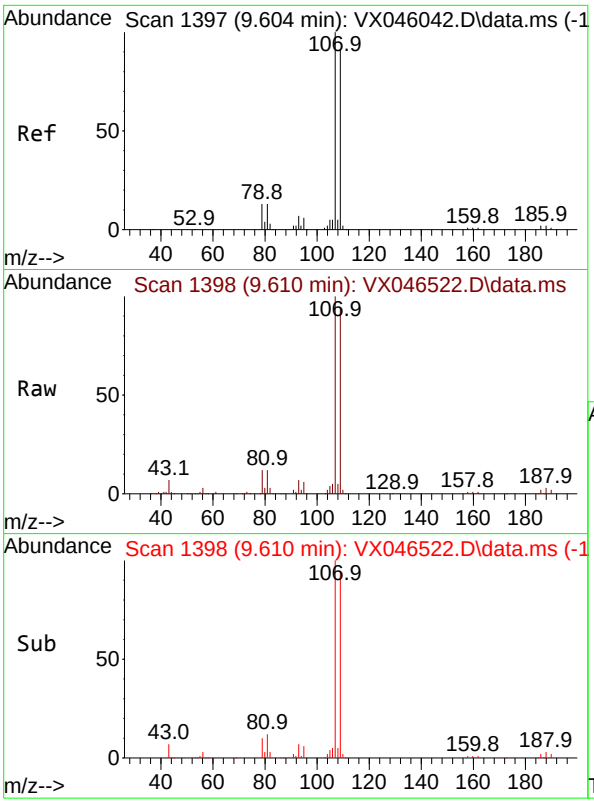


#60
Dibromochloromethane
Concen: 156.239 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:129 Resp: 185185

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8

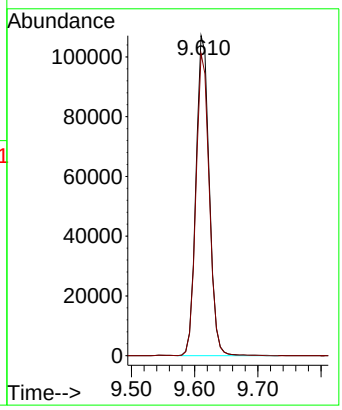




#61
1,2-Dibromoethane
Concen: 149.399 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:107 Resp: 15687

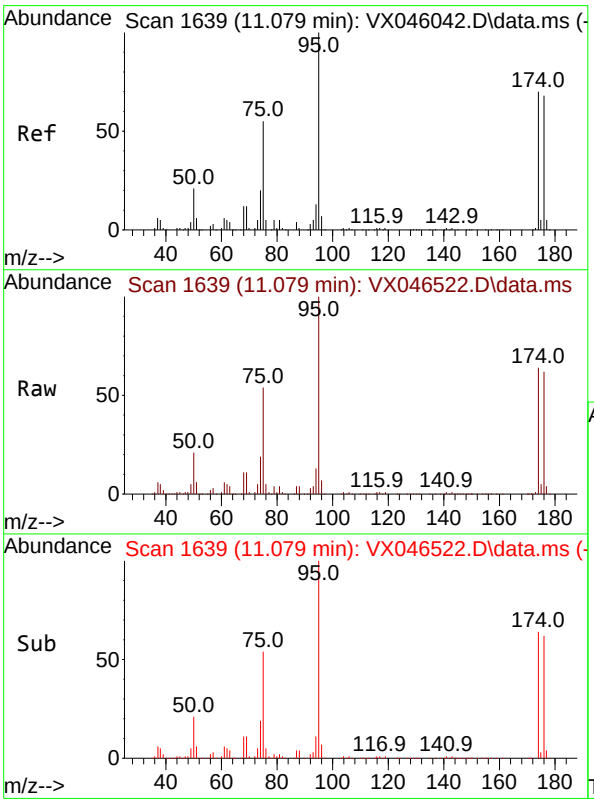
Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

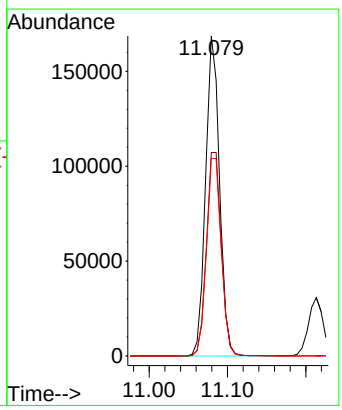
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

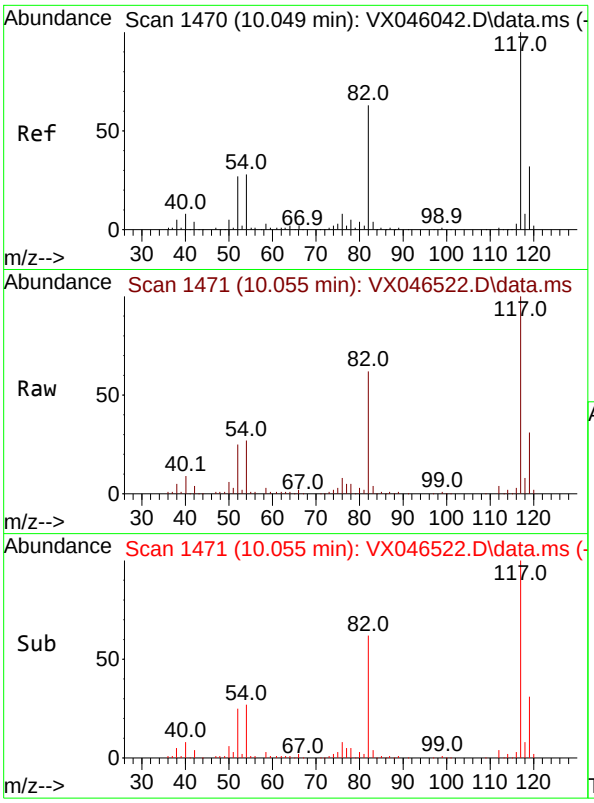


#62
4-Bromofluorobenzene
Concen: 149.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 95 Resp: 207701

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.4	0.0	131.4

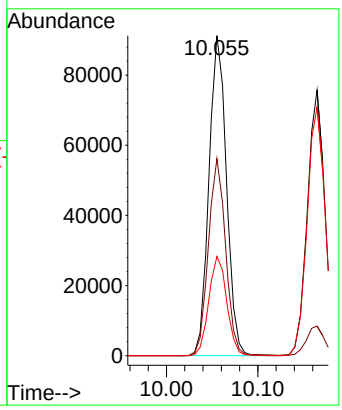




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:117 Resp: 12124

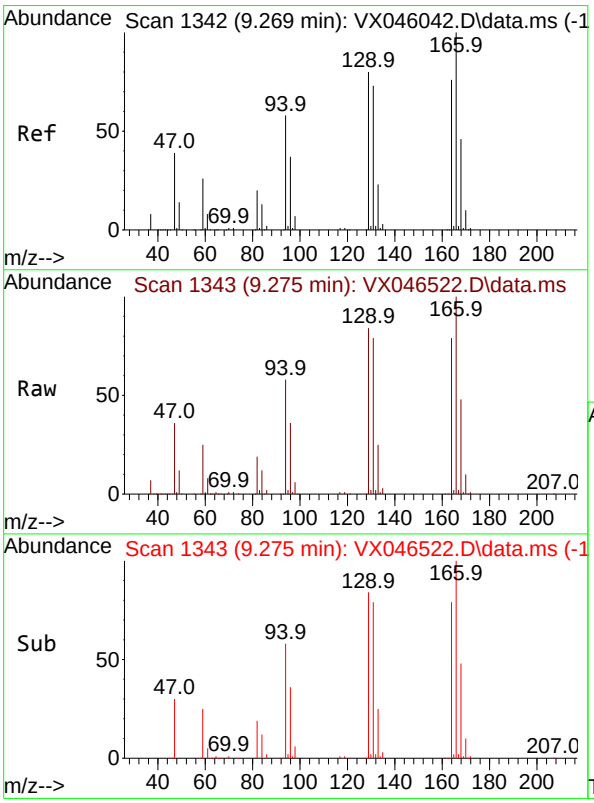
Ion	Ratio	Lower	Upper
117	100		
82	61.6	50.6	76.0
119	31.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

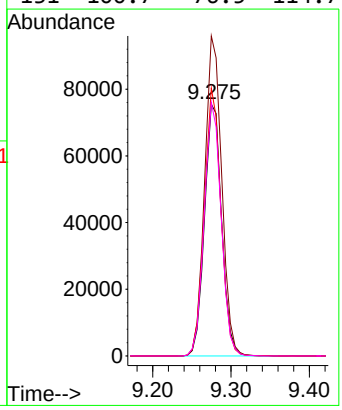
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

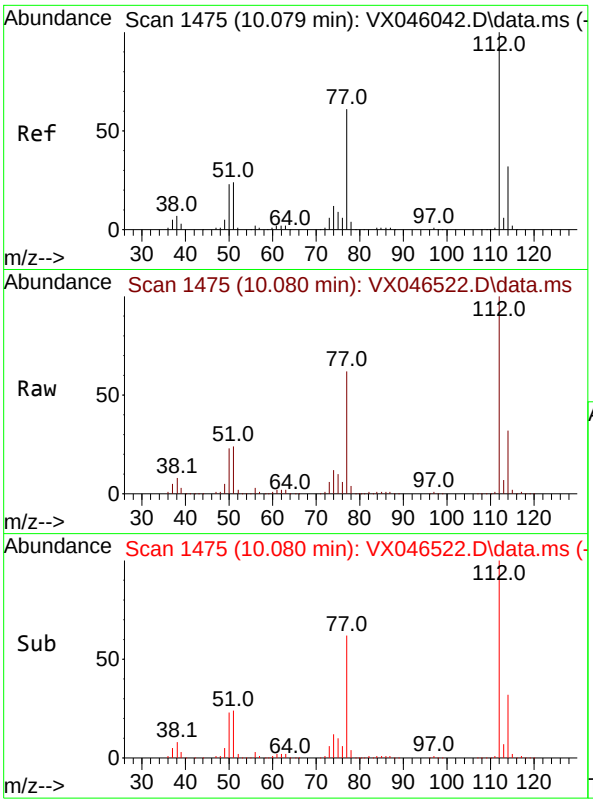


#64
Tetrachloroethene
Concen: 140.948 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:164 Resp: 114275

Ion	Ratio	Lower	Upper
164	100		
166	127.1	105.0	157.6
129	106.3	83.5	125.3
131	100.7	76.5	114.7

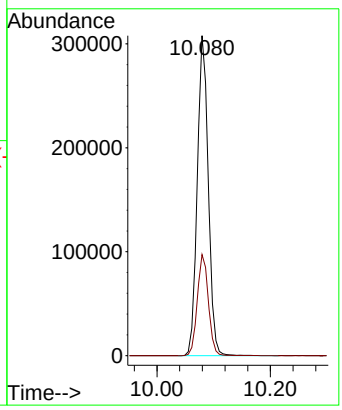




#65
Chlorobenzene
Concen: 145.311 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:112 Resp: 41436

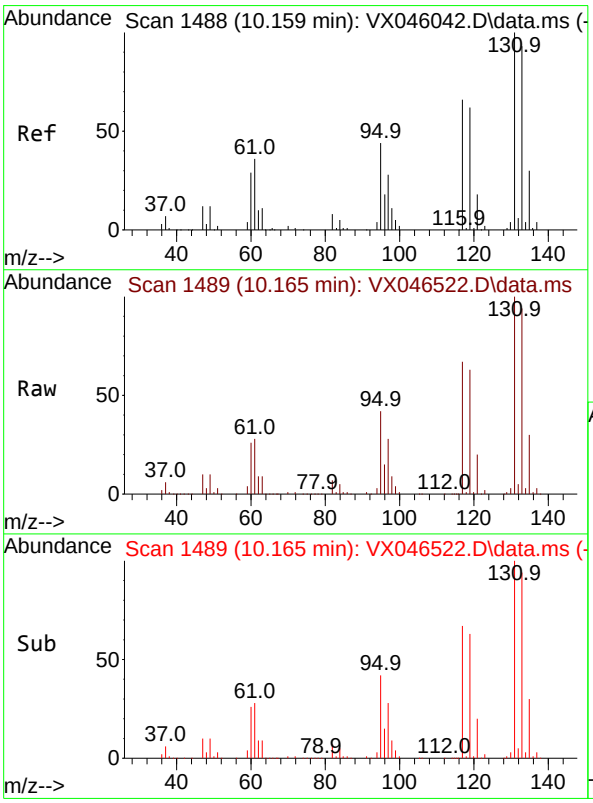
Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

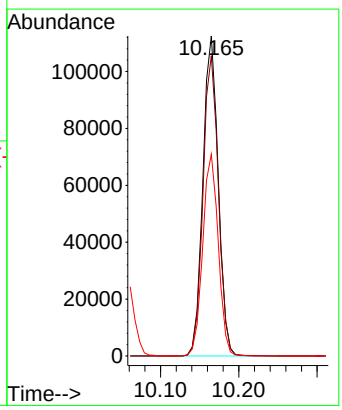
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

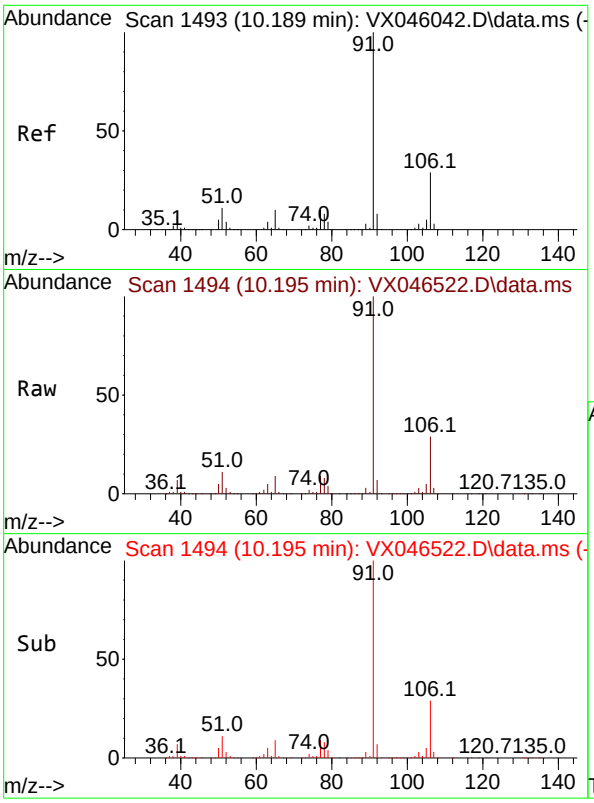


#66
1,1,1,2-Tetrachloroethane
Concen: 158.472 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:131 Resp: 152702

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	63.8	31.6	95.0

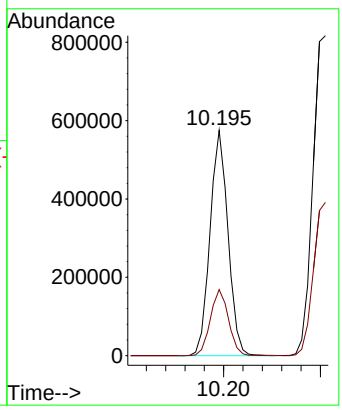




#67
Ethyl Benzene
Concen: 149.114 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 91 Resp: 74230

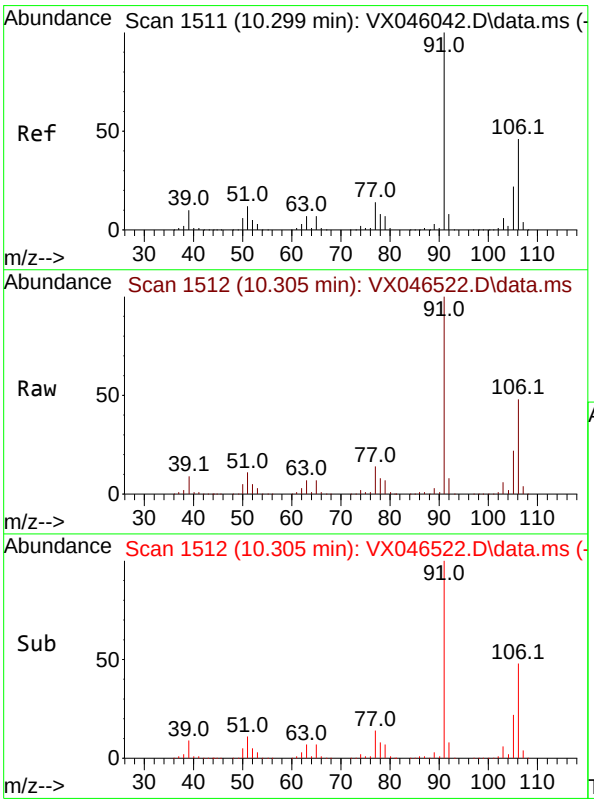
Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

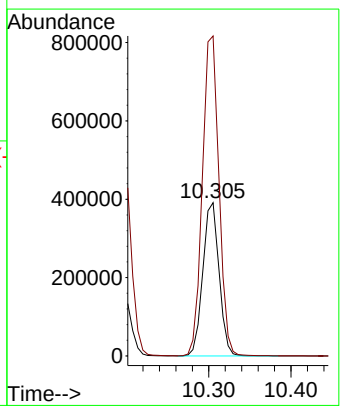
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

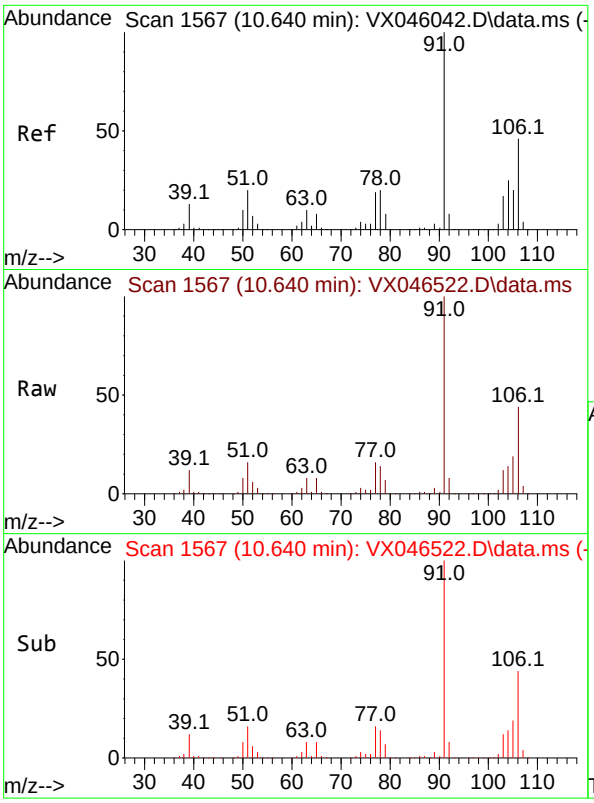


#68
m/p-Xylenes
Concen: 297.452 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:106 Resp: 537140

Ion	Ratio	Lower	Upper
106	100		
91	213.2	171.2	256.8

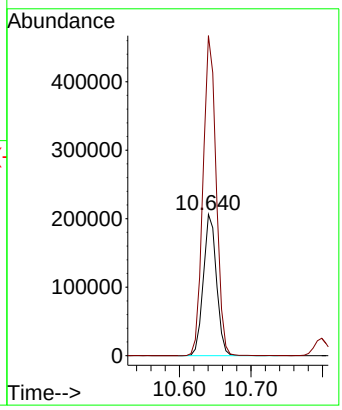




#69
o-Xylene
Concen: 150.865 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:106 Resp: 26350

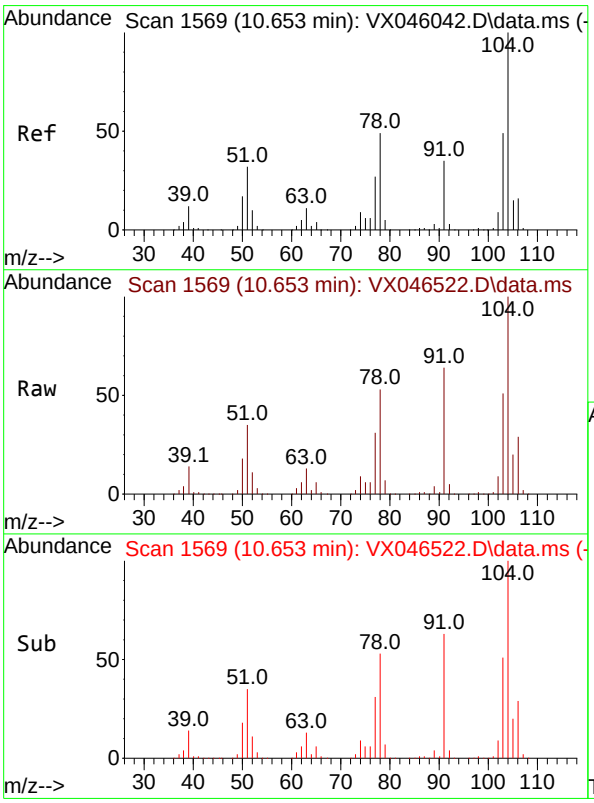
Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

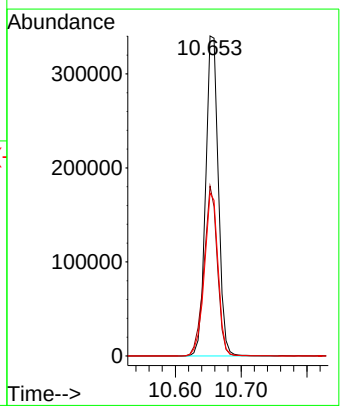
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

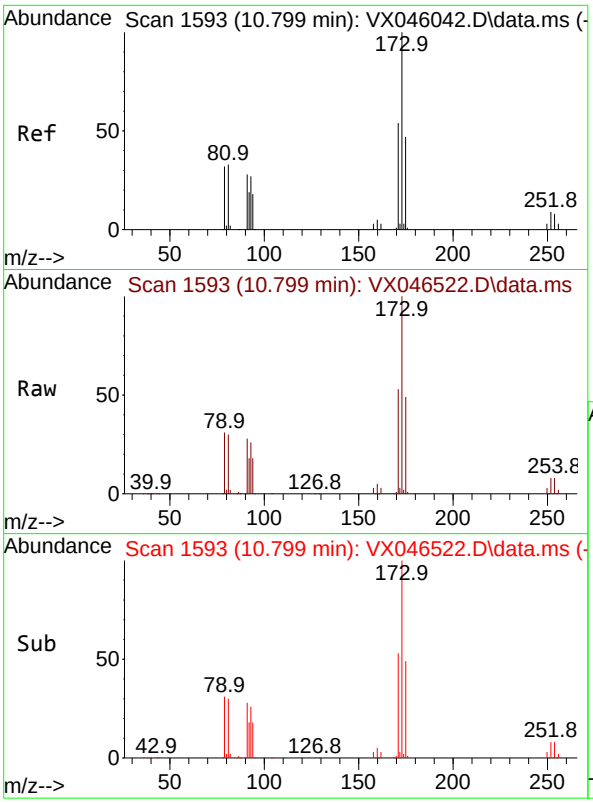


#70
Styrene
Concen: 152.965 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:104 Resp: 457350

Ion	Ratio	Lower	Upper
104	100		
78	56.0	45.7	68.5
103	54.8	43.7	65.5

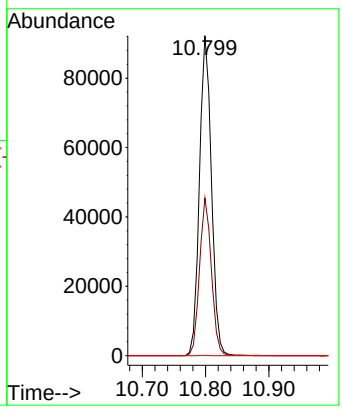




#71
Bromoform
Concen: 165.836 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:173 Resp: 12184

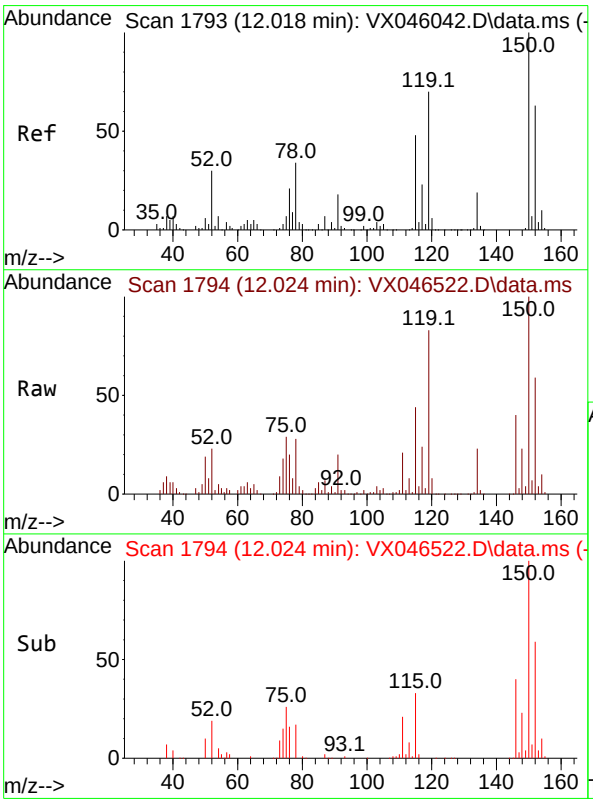
Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

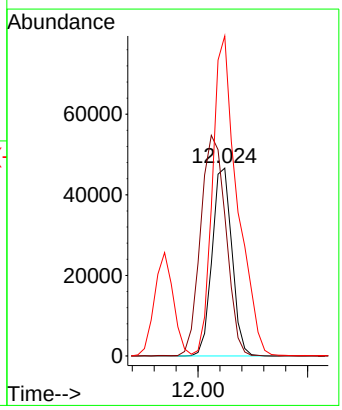
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

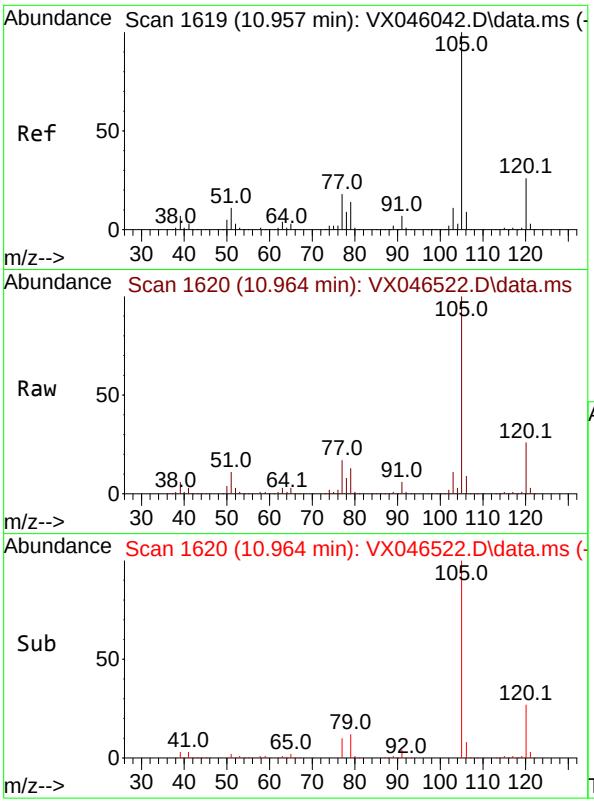


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:152 Resp: 58605

Ion	Ratio	Lower	Upper
152	100		
115	149.8	46.9	140.7#
150	212.6	0.0	351.0

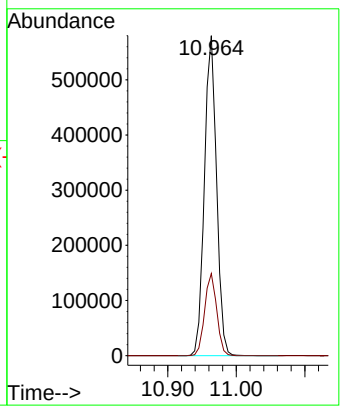




#73
Isopropylbenzene
Concen: 155.114 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:105 Resp: 71459

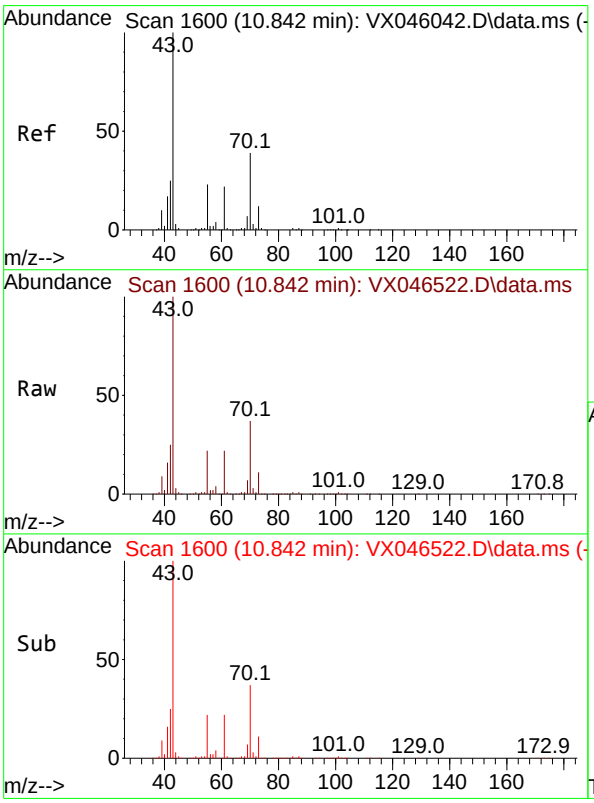
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

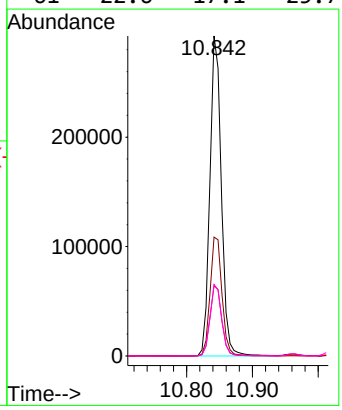
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

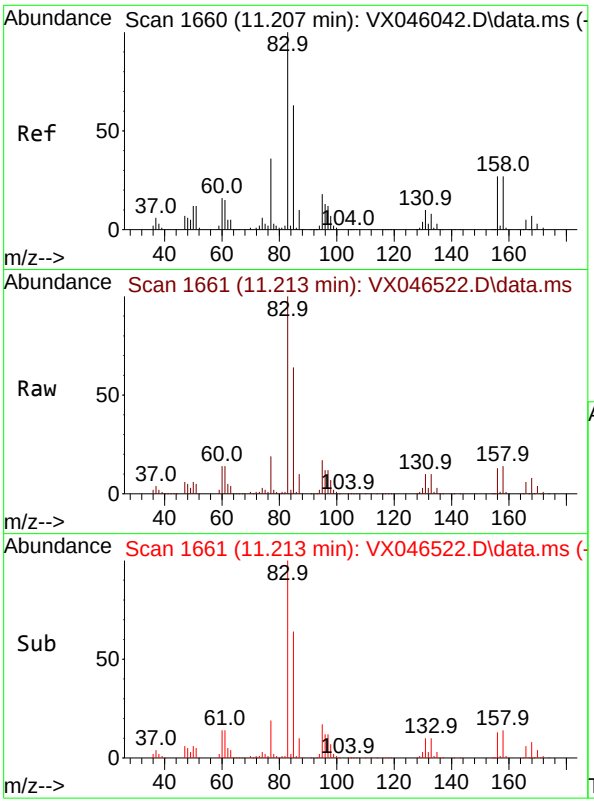


#74
N-amyl acetate
Concen: 174.965 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 43 Resp: 354967

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	22.7	18.7	28.1
61	22.6	17.1	25.7

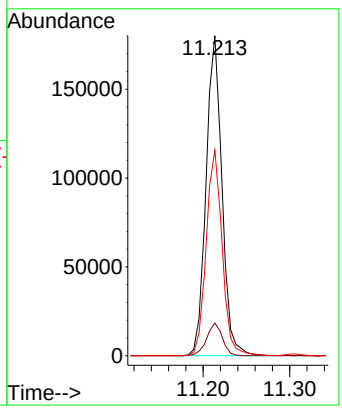




#75
1,1,2,2-Tetrachloroethane
Concen: 155.706 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 83 Resp: 22960

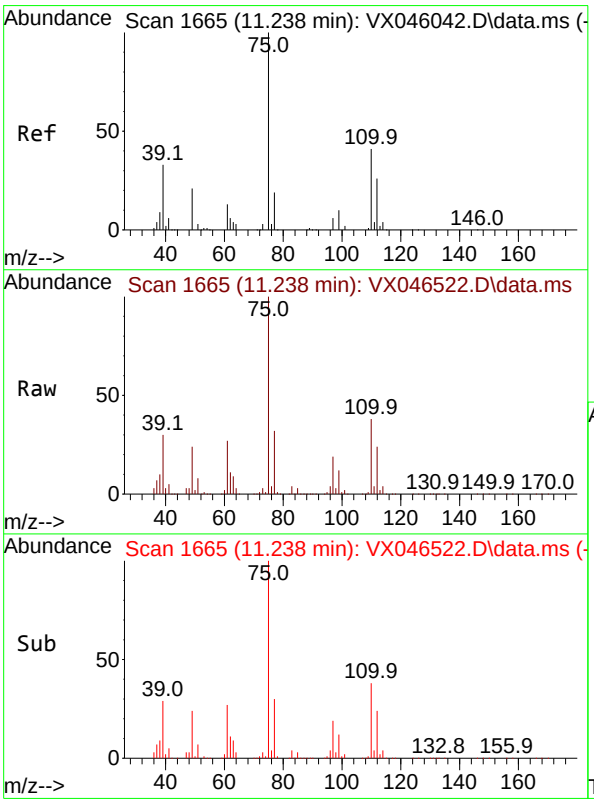
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

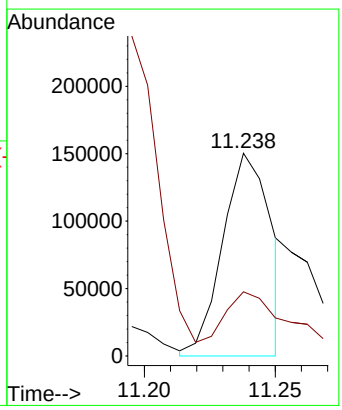
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

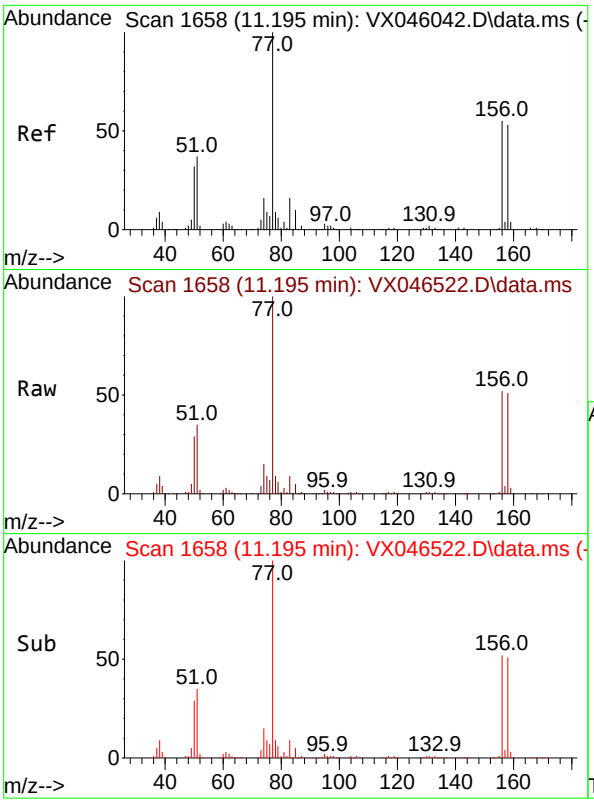


#76
1,2,3-Trichloropropane
Concen: 152.081 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 75 Resp: 191913

Ion	Ratio	Lower	Upper
75	100		
77	44.4	20.5	61.5

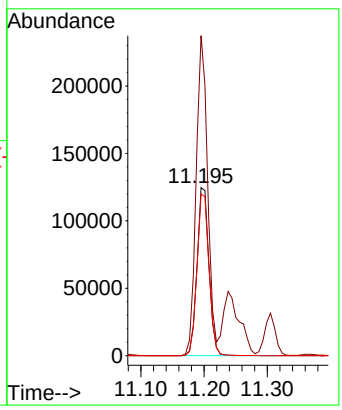




#77
Bromobenzene
Concen: 152.540 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:156 Resp: 16311

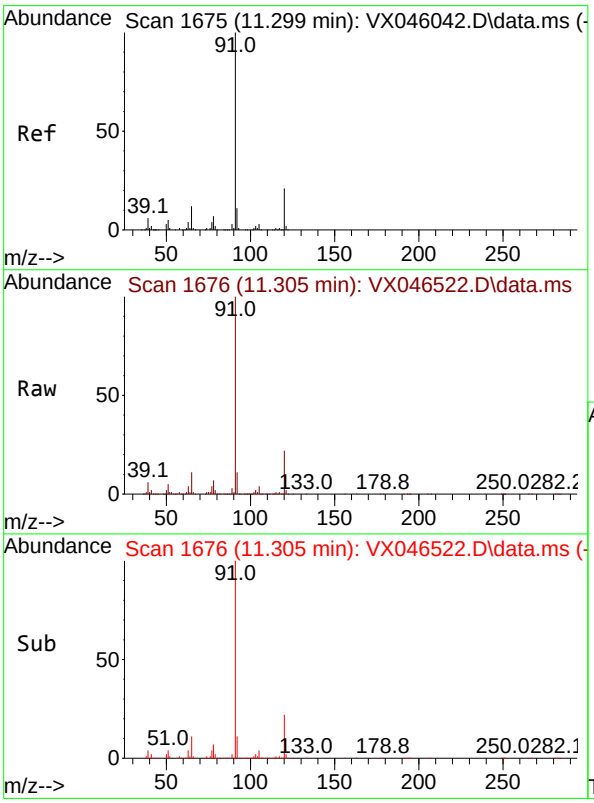
Ion	Ratio	Lower	Upper
156	100		
77	183.5	92.8	278.3
158	97.2	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

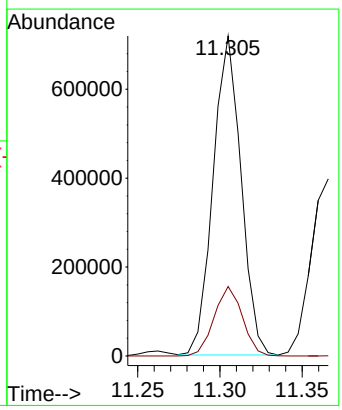
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

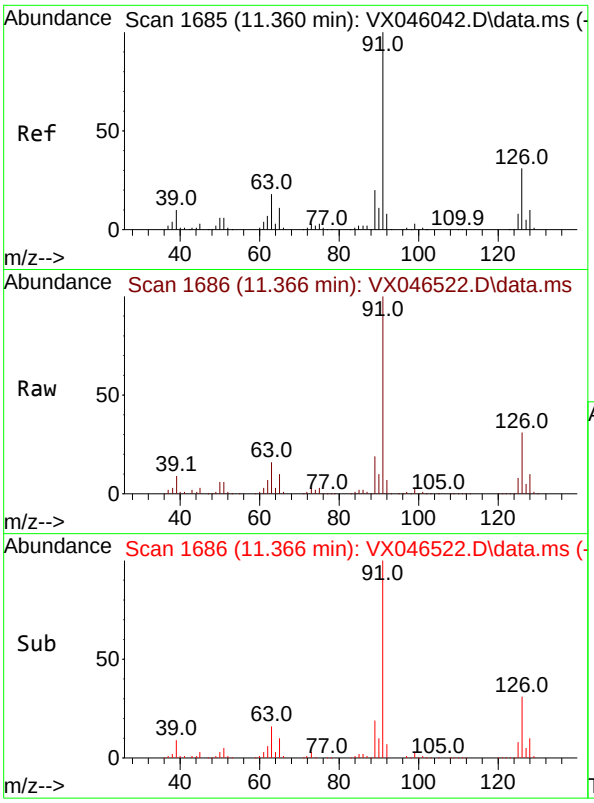


#78
n-propylbenzene
Concen: 151.764 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 91 Resp: 846247

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 149.837 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

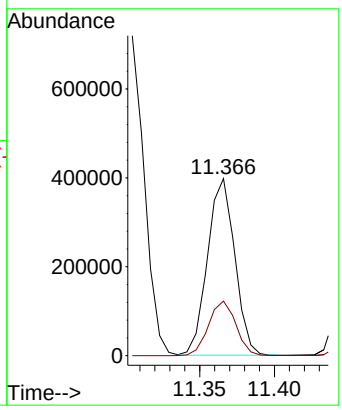
Tgt Ion: 91 Resp: 50383

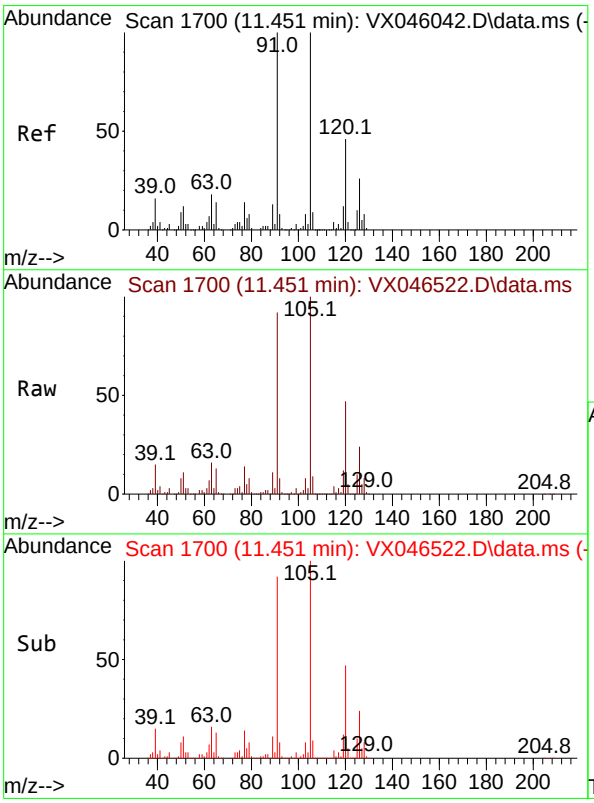
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

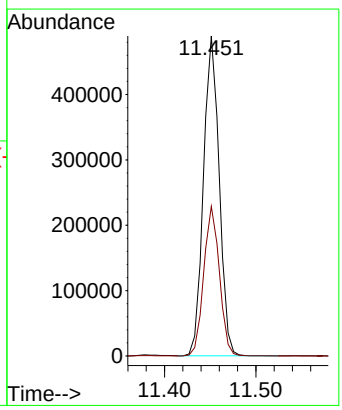


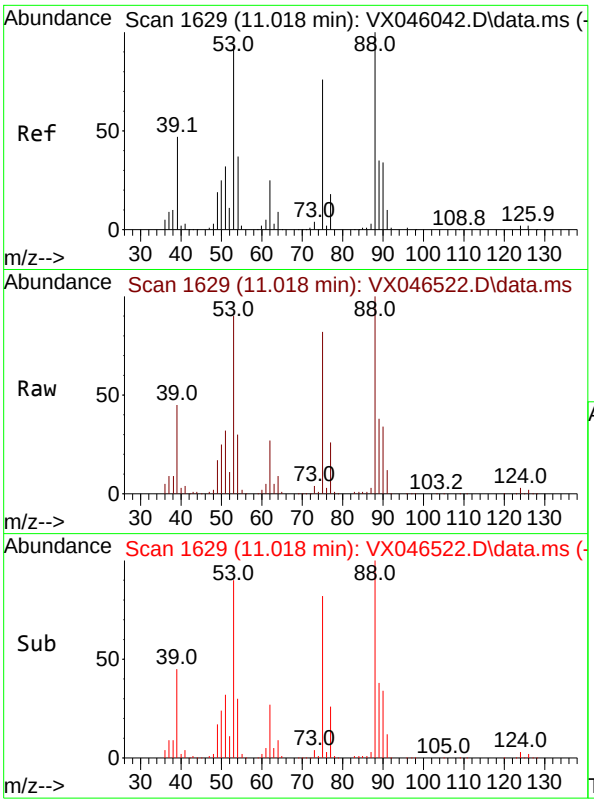


#80
1,3,5-Trimethylbenzene
Concen: 151.781 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:105 Resp: 582683

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 180.416 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

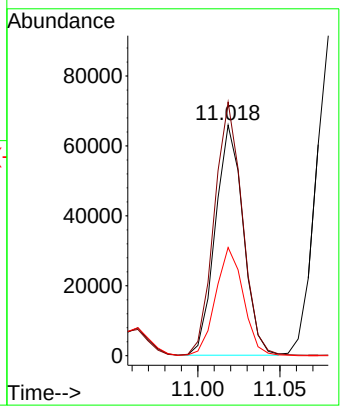
Tgt Ion: 75 Resp: 7763

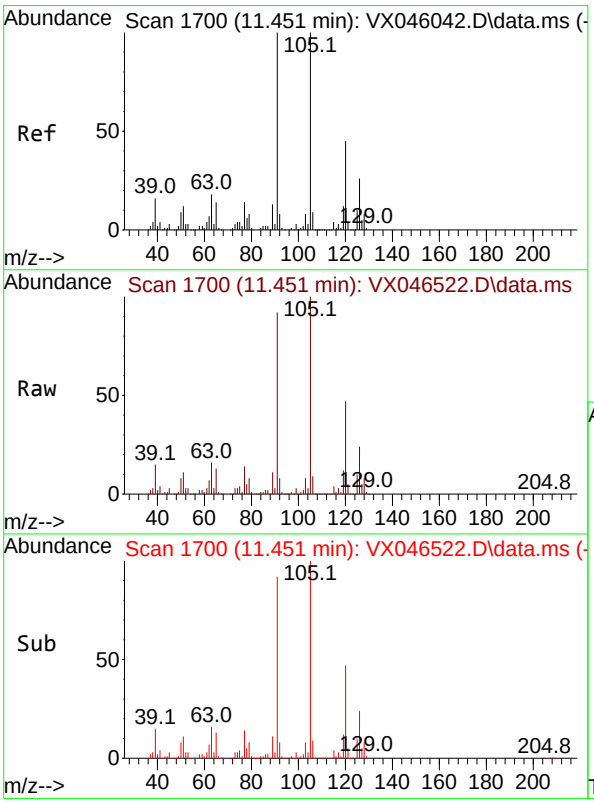
Ion	Ratio	Lower	Upper
75	100		
53	111.5	100.5	150.7
89	46.7	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

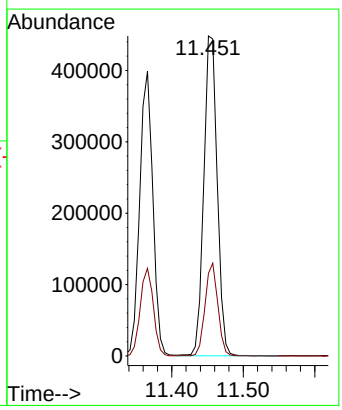


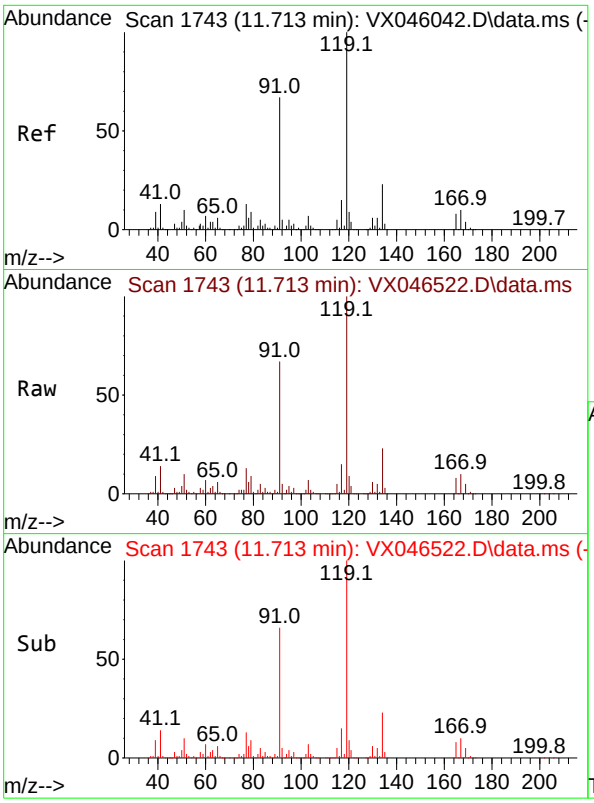


#82
4-Chlorotoluene
Concen: 146.836 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 91 Resp: 585232

Ion	Ratio	Lower	Upper
91	100		
126	27.6	13.3	39.8

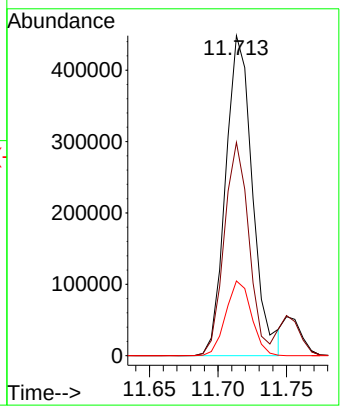




#83
tert-Butylbenzene
Concen: 156.630 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:119 Resp: 61211

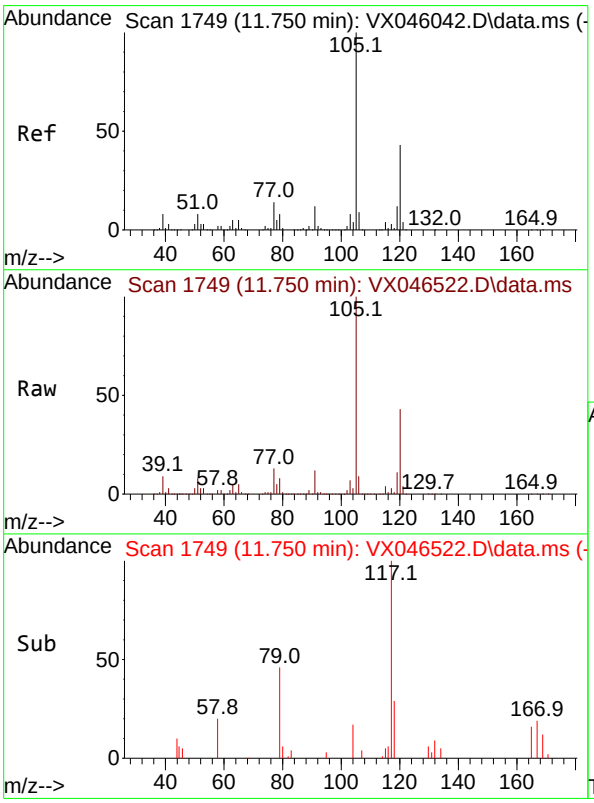
Ion	Ratio	Lower	Upper
119	100		
91	61.5	32.9	98.7
134	22.3	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

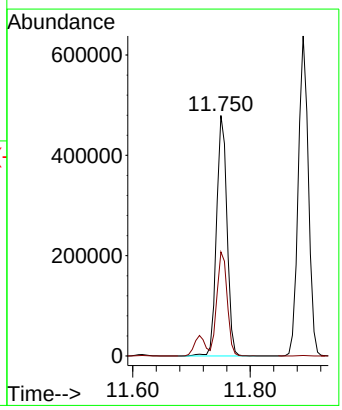
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

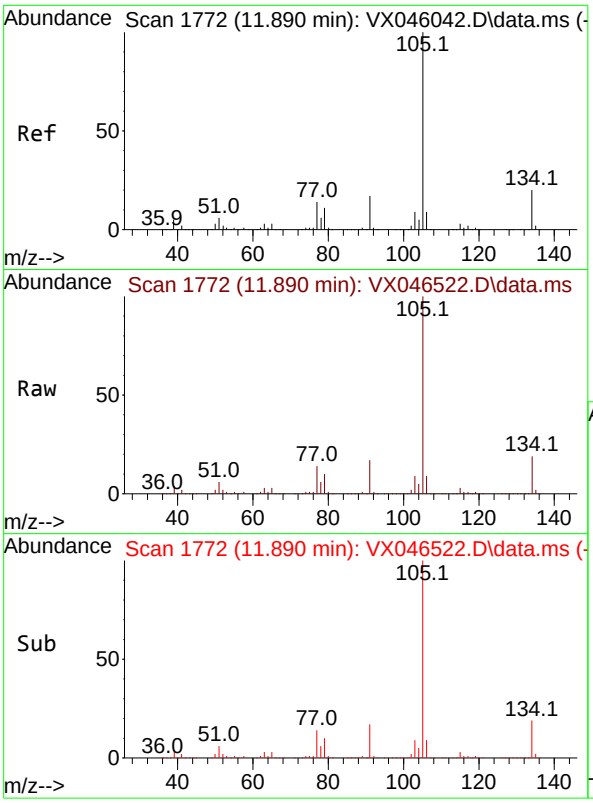


#84
1,2,4-Trimethylbenzene
Concen: 151.929 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:105 Resp: 590035

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6





#85
sec-Butylbenzene
Concen: 151.730 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

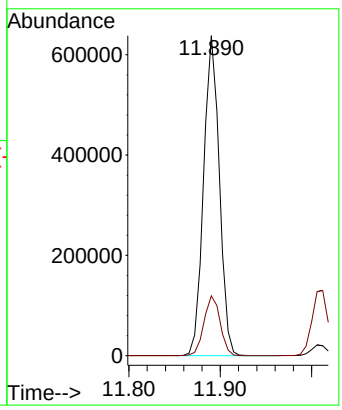
Tgt Ion:105 Resp: 76190

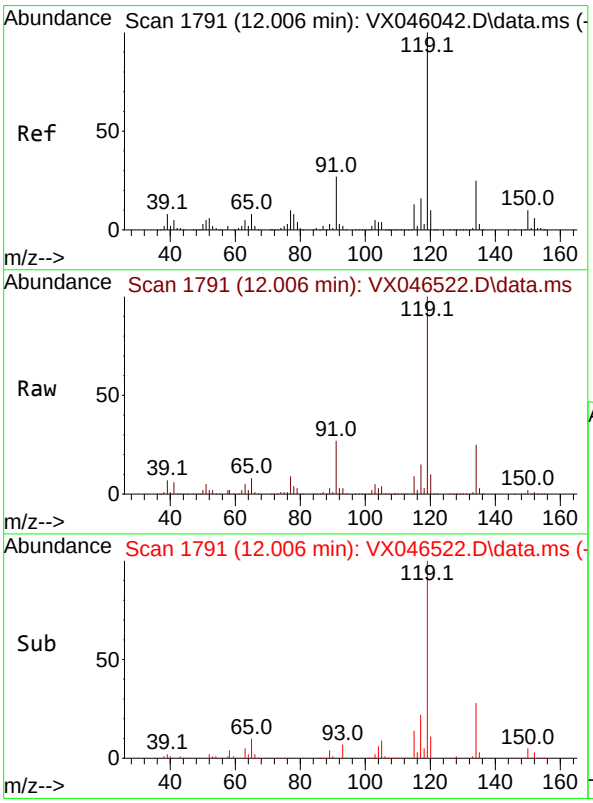
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

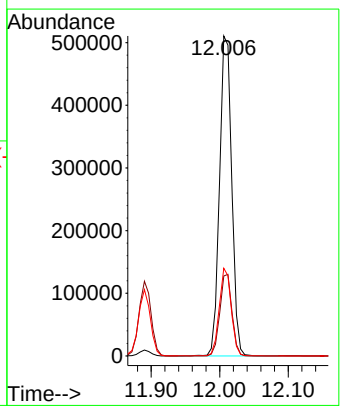


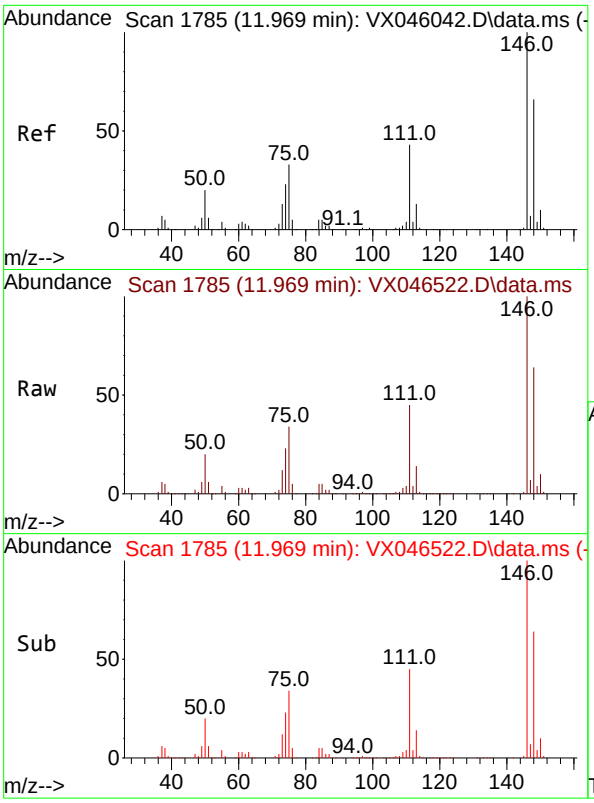


#86
p-Isopropyltoluene
Concen: 150.146 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:119 Resp: 628539

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	26.7	13.8	41.4

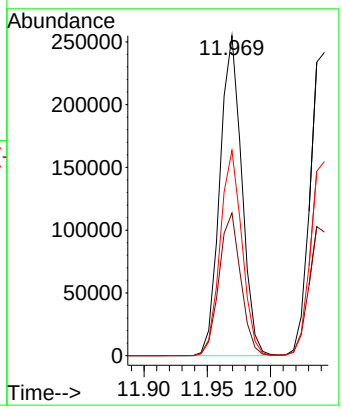




#87
1,3-Dichlorobenzene
Concen: 147.362 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:146 Resp: 30599

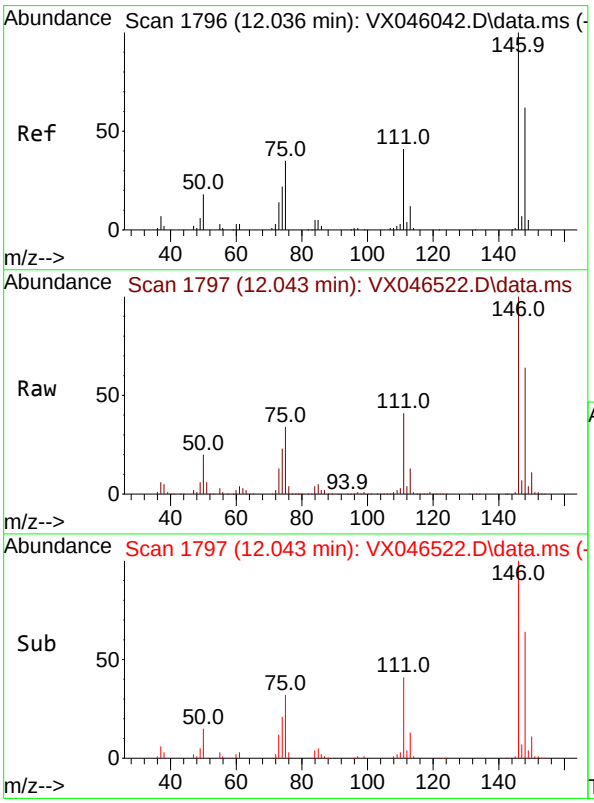
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	63.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

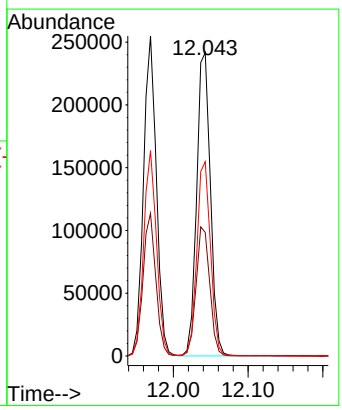
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

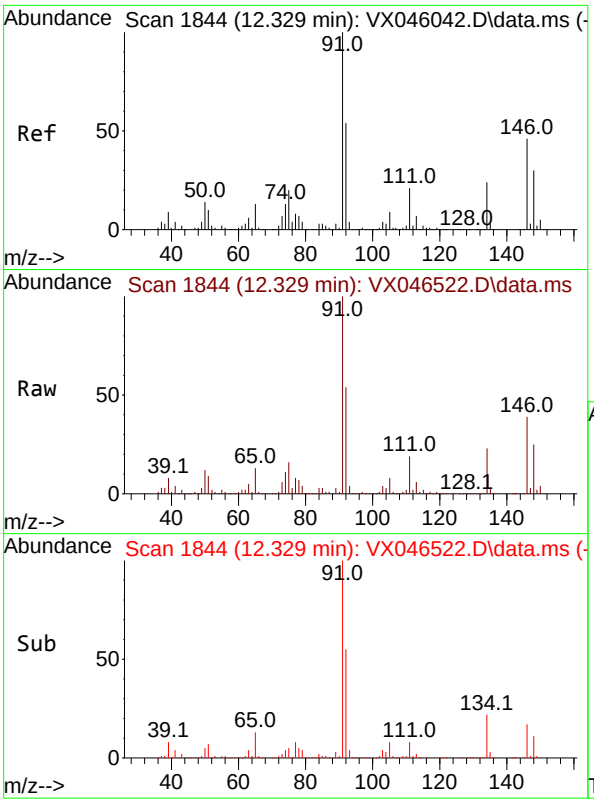


#88
1,4-Dichlorobenzene
Concen: 143.149 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:146 Resp: 308002

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	63.2	31.9	95.5

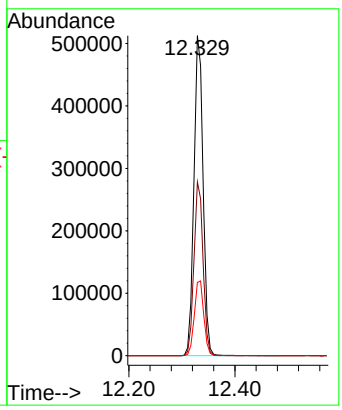




#89
n-Butylbenzene
Concen: 149.115 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 91 Resp: 61301

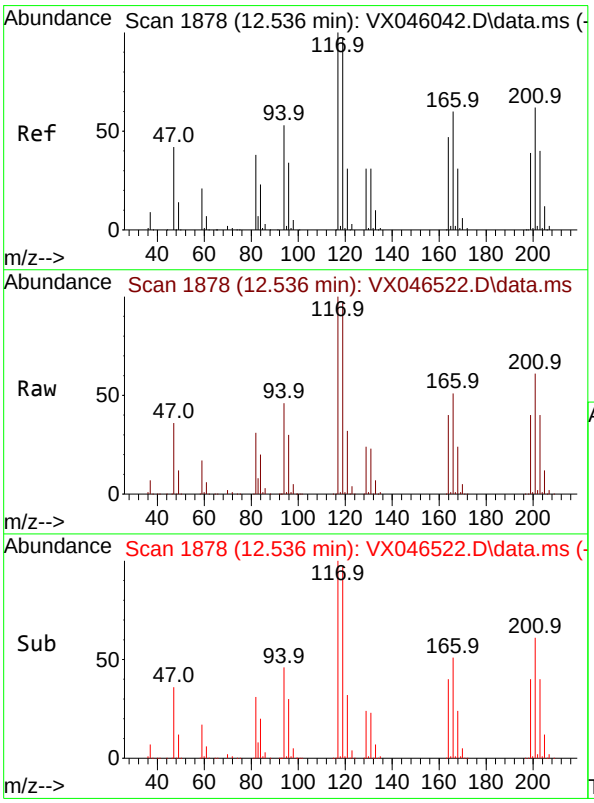
Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.9	80.7
134	24.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

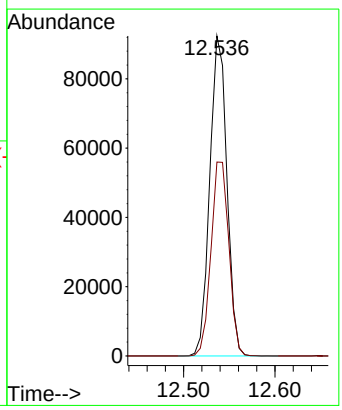
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

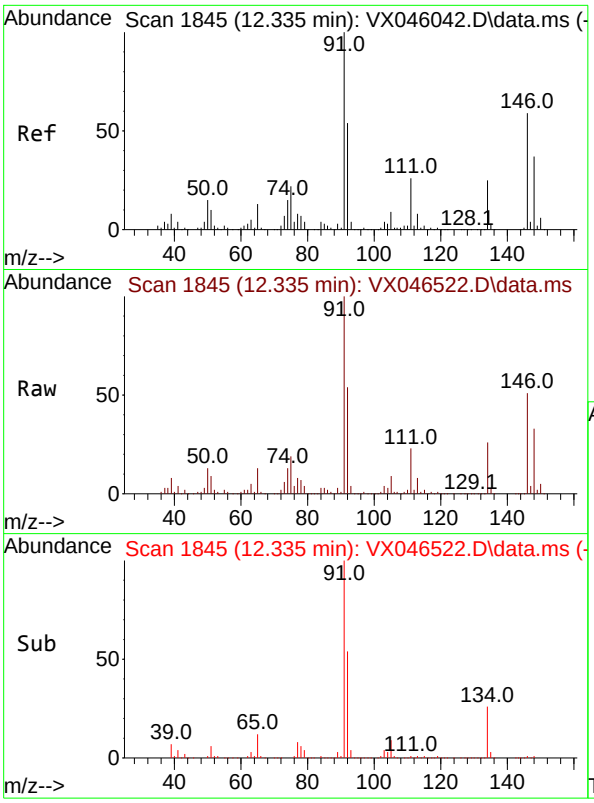


#90
Hexachloroethane
Concen: 161.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:117 Resp: 120040

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.6	94.7

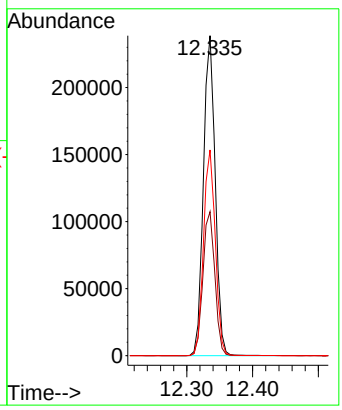




#91
1,2-Dichlorobenzene
Concen: 148.701 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:146 Resp: 29804

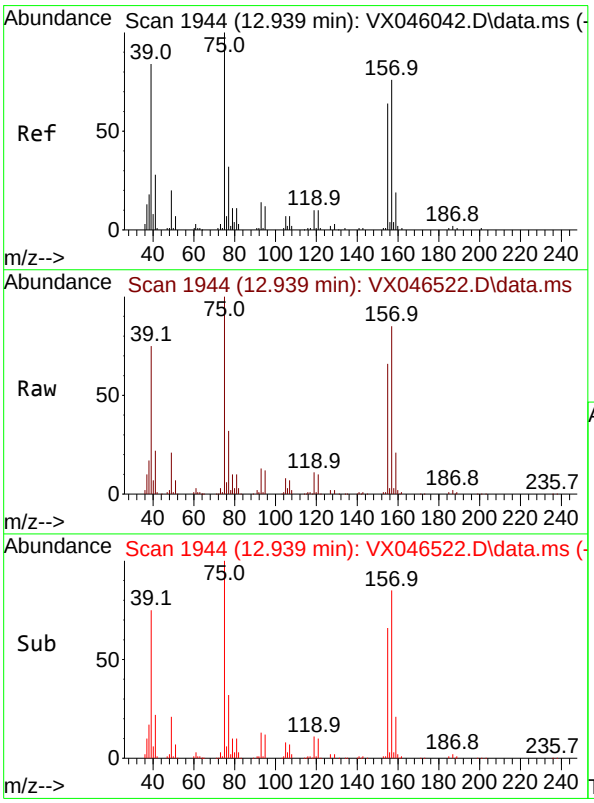
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.3
148	64.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

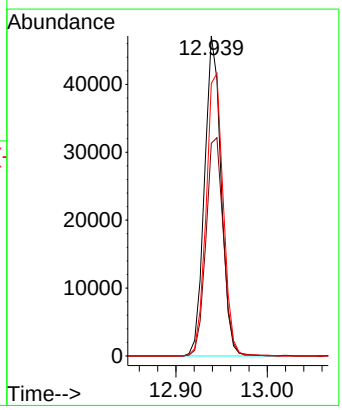
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

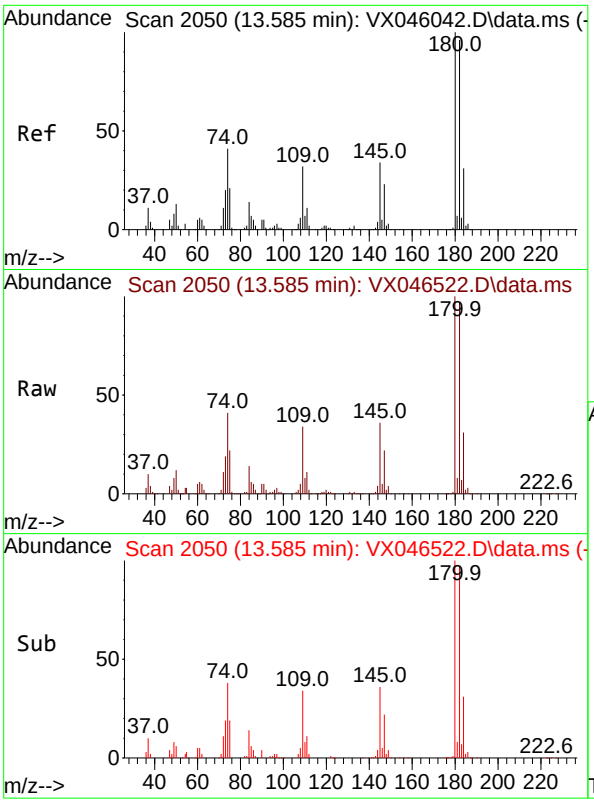


#92
1,2-Dibromo-3-Chloropropane
Concen: 179.177 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion: 75 Resp: 59166

Ion	Ratio	Lower	Upper
75	100		
155	71.8	34.9	104.8
157	91.3	43.8	131.4

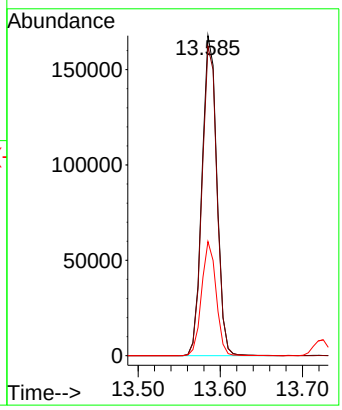




#93
1,2,4-Trichlorobenzene
Concen: 153.577 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:180 Resp: 20998

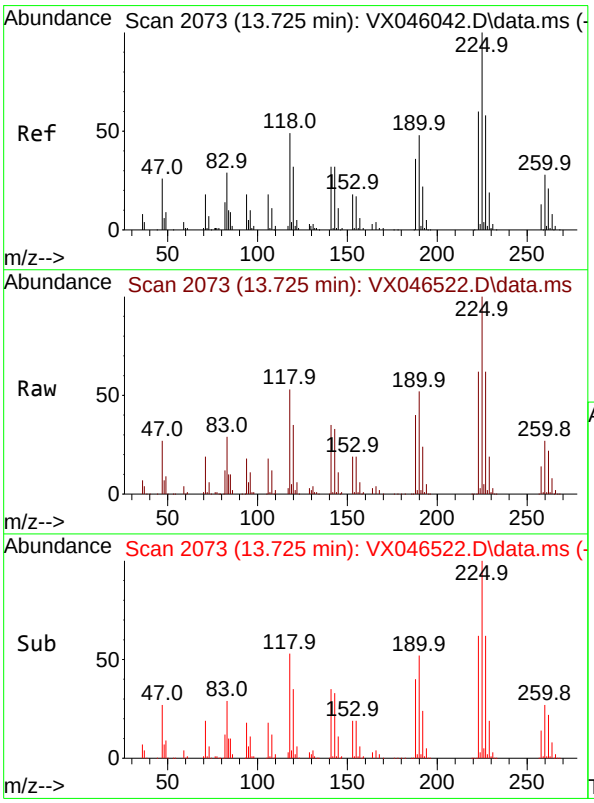
Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.8
145	35.0	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

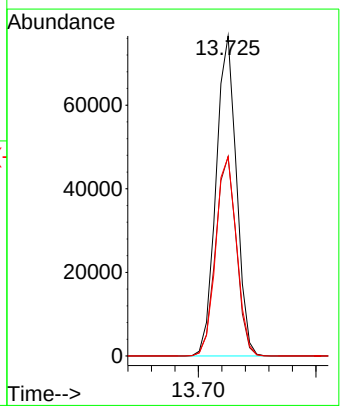
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

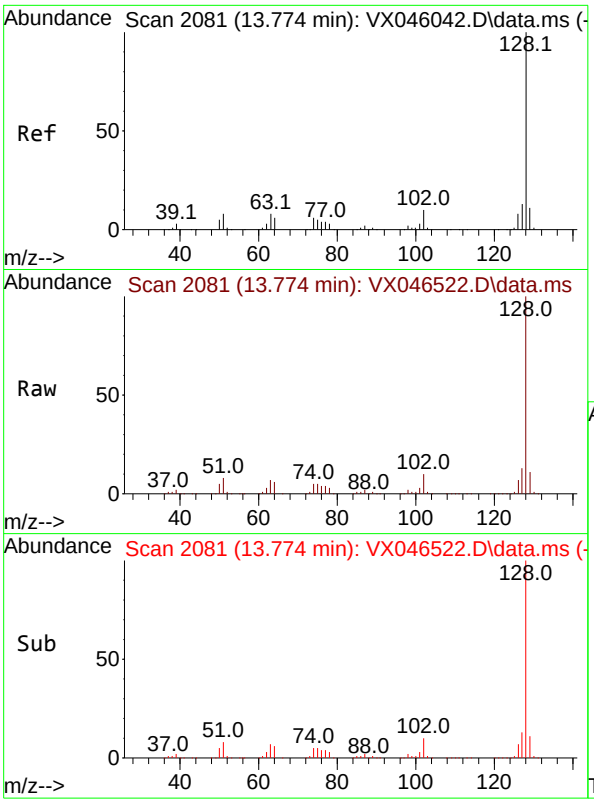


#94
Hexachlorobutadiene
Concen: 145.277 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:225 Resp: 92311

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	63.5	30.9	92.7

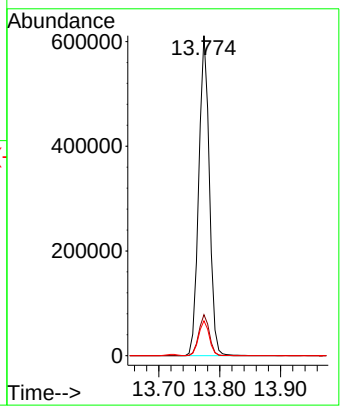




#95
Naphthalene
Concen: 170.506 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:128 Resp: 73930

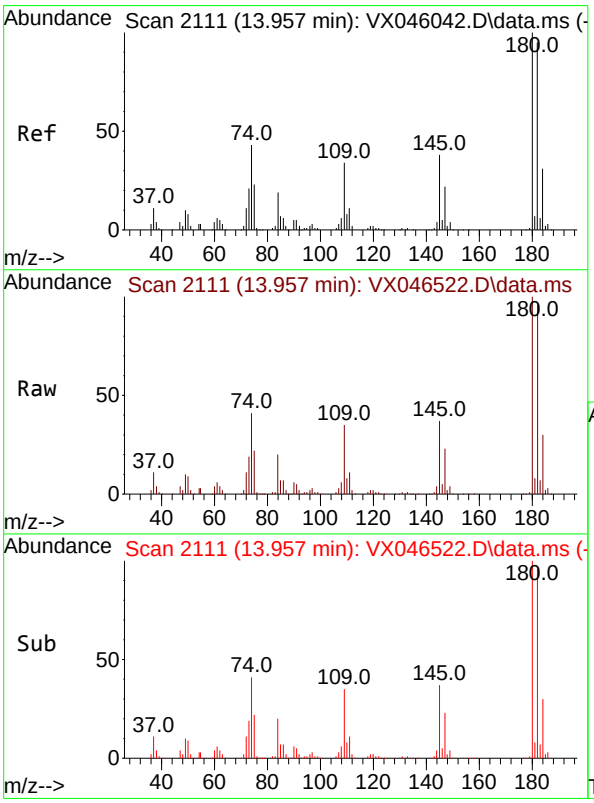
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

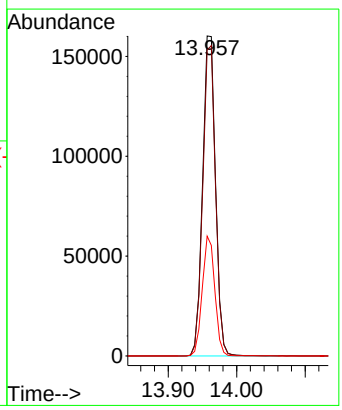
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 153.606 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046522.D
Acq: 06 Jun 2025 11:25

Tgt Ion:180 Resp: 210596

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	36.4	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168	92377	50.000	ug/l		-0.01
34) 1,4-Difluorobenzene	6.763	114	161412	50.000	ug/l		-0.01
63) Chlorobenzene-d5	10.055	117	144029	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72344	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	1.184	85	1548	1.207	ug/l		89
3) Chloromethane	1.306	50	1317	1.128	ug/l		95
4) Vinyl Chloride	1.386	62	1255	1.078	ug/l	#	83
6) Chloroethane	1.697	64	940	1.245	ug/l	#	76
7) Trichlorofluoromethane	1.904	101	1882	0.977	ug/l		95
8) Diethyl Ether	2.136	74	762	1.120	ug/l		100
9) 1,1,2-Trichlorotrifluo...	2.349	101	1288	1.062	ug/l		95
12) 1,1-Dichloroethene	2.337	96	1174	1.070	ug/l		78
14) Allyl chloride	2.678	41	2371	1.101	ug/l		94
15) Acrylonitrile	3.080	53	3158	4.580	ug/l		90
16) Acetone	2.392	43	5228	12.546	ug/l		99
17) Carbon Disulfide	2.526	76	4273	2.030	ug/l		100
18) Methyl Acetate	2.721	43	1631	0.833	ug/l	#	90
19) Methyl tert-butyl Ether	3.123	73	3460	0.902	ug/l		92
20) Methylene Chloride	2.806	84	1604	1.217	ug/l		93
21) trans-1,2-Dichloroethene	3.105	96	1451	1.250	ug/l		94
22) Diisopropyl ether	3.763	45	3727	0.878	ug/l	#	1
23) Vinyl Acetate	3.739	43	15142	4.618	ug/l	#	93
24) 1,1-Dichloroethane	3.617	63	2366	1.000	ug/l	#	89
25) 2-Butanone	4.598	43	4468	4.884	ug/l	#	87
26) 2,2-Dichloropropane	4.483	77	1663	0.947	ug/l		86
27) cis-1,2-Dichloroethene	4.507	96	1600	1.120	ug/l		94
28) Bromochloromethane	4.928	49	1200	1.063	ug/l	#	89
29) Tetrahydrofuran	5.037	42	2828	4.895	ug/l		89
30) Chloroform	5.098	83	2492	1.005	ug/l		98
32) 1,1,1-Trichloroethane	5.391	97	2090	0.985	ug/l	#	53
36) 1,1-Dichloropropene	5.702	75	2130	1.256	ug/l	#	70
37) Ethyl Acetate	4.739	43	1146m	0.693	ug/l		
38) Carbon Tetrachloride	5.696	117	2113	1.113	ug/l	#	65
39) Methylcyclohexane	7.391	83	2339	1.169	ug/l	#	72
40) Benzene	6.043	78	4913	1.029	ug/l		99
41) Methacrylonitrile	4.952	41	901	0.877	ug/l	#	43
42) 1,2-Dichloroethane	6.104	62	1955	0.984	ug/l		82
43) Isopropyl Acetate	6.348	43	2493	0.864	ug/l	#	92
44) Trichloroethene	7.141	130	1537	1.267	ug/l		91
45) 1,2-Dichloropropane	7.433	63	1158	0.940	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	938	1.012 ug/l	92
47) Bromodichloromethane	7.830	83	1724	0.905 ug/l #	91
48) Methyl methacrylate	7.714	41	1276	0.860 ug/l	94
49) 1,4-Dioxane	7.677	88	286	14.408 ug/l #	79
51) 4-Methyl-2-Pentanone	8.573	43	7935	4.328 ug/l	98
52) Toluene	8.720	92	3027	1.032 ug/l	94
53) t-1,3-Dichloropropene	8.988	75	1550	0.907 ug/l	94
54) cis-1,3-Dichloropropene	8.378	75	1831	0.964 ug/l	91
55) 1,1,2-Trichloroethane	9.159	97	1069	0.908 ug/l #	82
56) Ethyl methacrylate	9.122	69	1471	0.812 ug/l	94
57) 1,3-Dichloropropane	9.317	76	2109	1.014 ug/l	95
58) 2-Chloroethyl Vinyl ether	8.250	63	4480	4.540 ug/l	97
59) 2-Hexanone	9.439	43	5937	4.515 ug/l	91
60) Dibromochloromethane	9.524	129	1307	0.944 ug/l	89
61) 1,2-Dibromoethane	9.616	107	1355	1.105 ug/l	89
64) Tetrachloroethene	9.274	164	1182	1.227 ug/l	90
65) Chlorobenzene	10.079	112	3905	1.153 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1042	0.910 ug/l #	59
67) Ethyl Benzene	10.195	91	6238	1.055 ug/l #	89
68) m/p-Xylenes	10.305	106	4454	2.076 ug/l	94
69) o-Xylene	10.640	106	2072	0.999 ug/l	96
70) Styrene	10.658	104	3482	0.980 ug/l	95
71) Bromoform	10.805	173	824	0.944 ug/l #	95
73) Isopropylbenzene	10.963	105	5637	0.991 ug/l	99
74) N-amyl acetate	10.847	43	2060	0.823 ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	1661	0.912 ug/l	86
76) 1,2,3-Trichloropropane	11.244	75	1578m	1.013 ug/l	
77) Bromobenzene	11.207	156	1386	1.050 ug/l	94
78) n-propylbenzene	11.305	91	7308	1.062 ug/l	92
79) 2-Chlorotoluene	11.366	91	4466	1.076 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4806	1.014 ug/l	96
82) 4-Chlorotoluene	11.457	91	5603	1.139 ug/l	98
83) tert-Butylbenzene	11.713	119	4751	0.985 ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	4928	1.028 ug/l	99
85) sec-Butylbenzene	11.890	105	6450	1.041 ug/l	99
86) p-Isopropyltoluene	12.012	119	5657	1.095 ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	3045	1.188 ug/l	96
88) 1,4-Dichlorobenzene	12.036	146	3503m	1.319 ug/l	
89) n-Butylbenzene	12.335	91	6072	1.197 ug/l	97
90) Hexachloroethane	12.536	117	987	1.075 ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	2761	1.116 ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	345	0.846 ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	2189	1.297 ug/l	92
94) Hexachlorobutadiene	13.725	225	1006	1.283 ug/l	97
95) Naphthalene	13.780	128	5474	1.023 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2171	1.283 ug/l	96

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

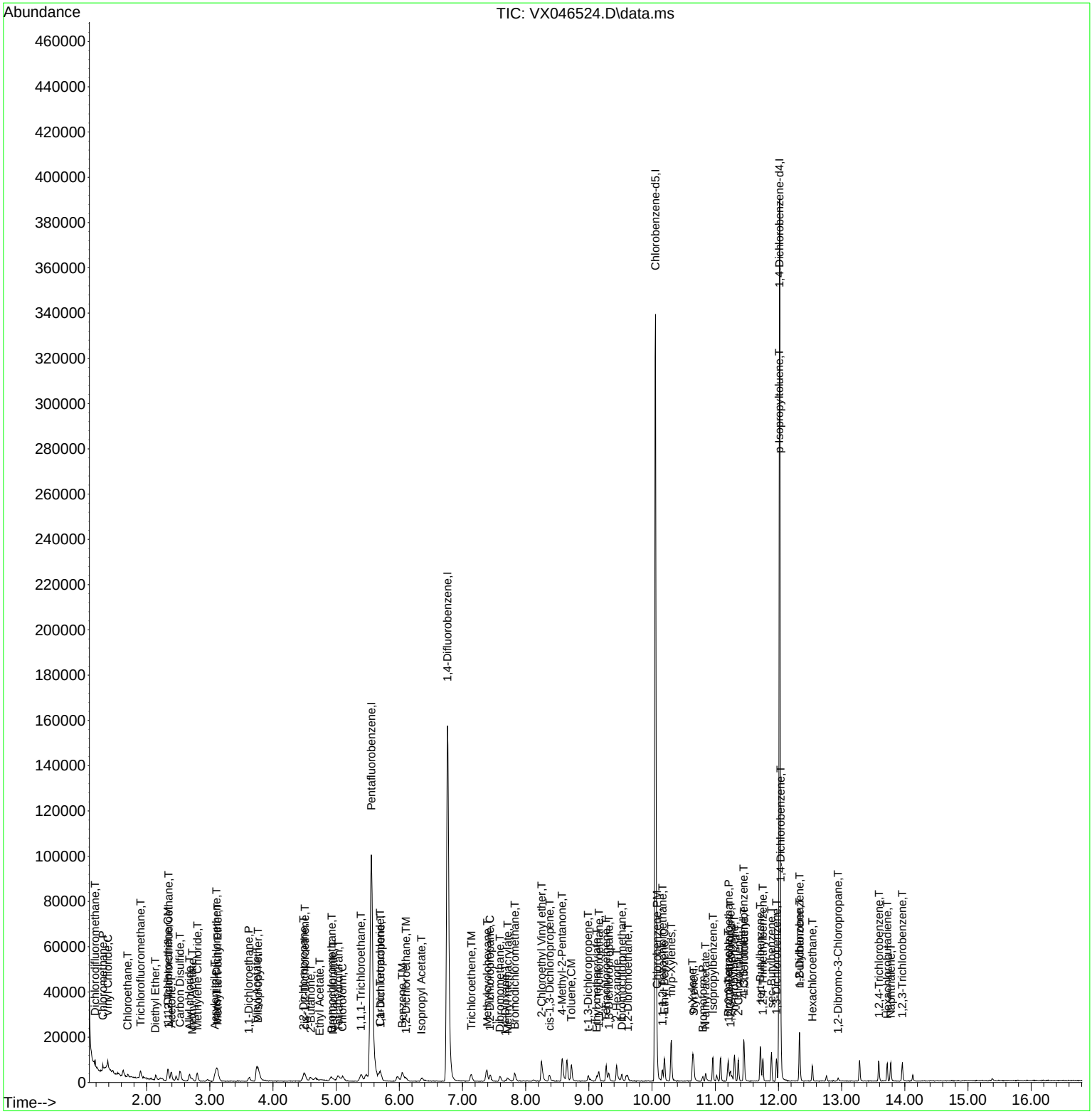
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Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

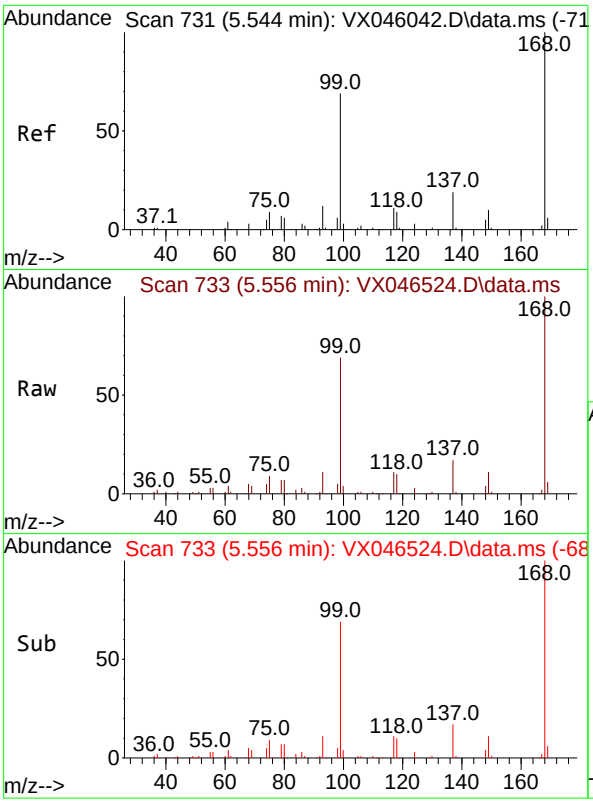
Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

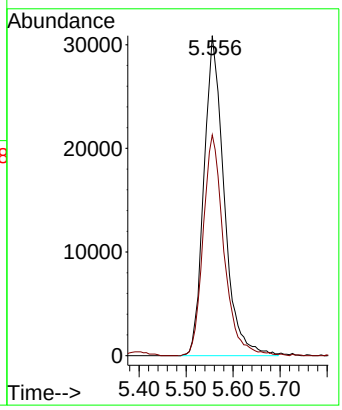




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:168 Resp: 9237

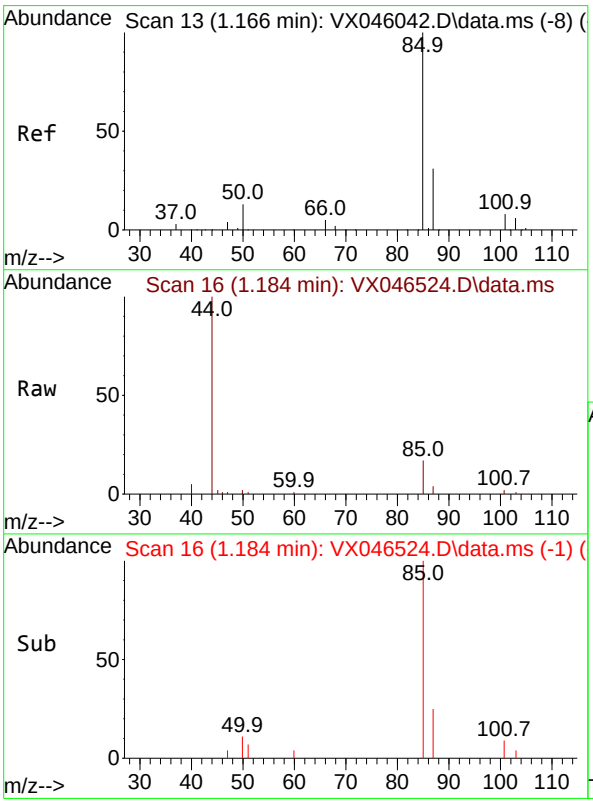
Ion	Ratio	Lower	Upper
168	100		
99	69.0	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

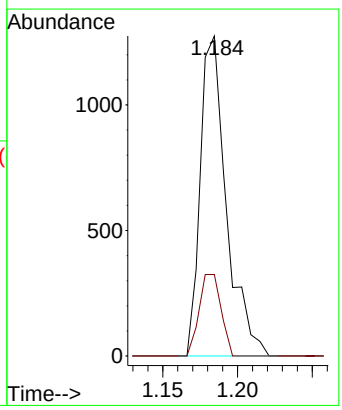
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

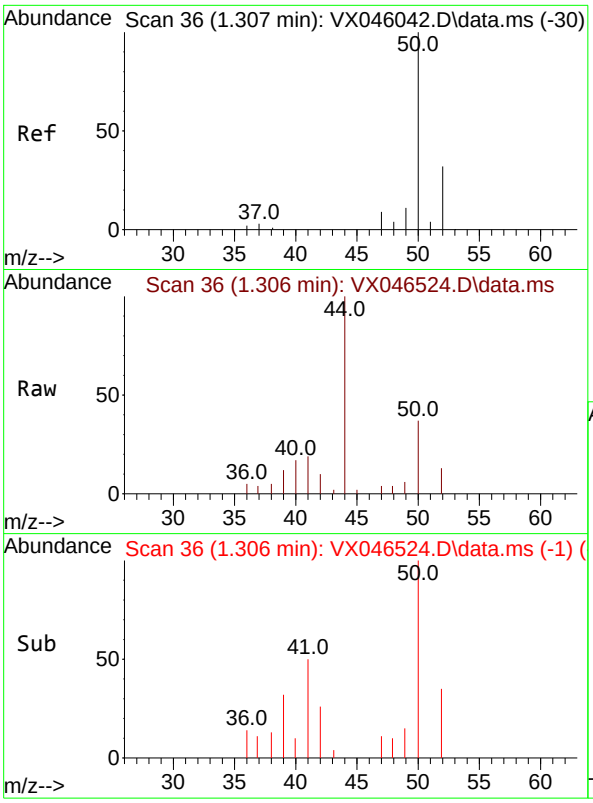


#2
Dichlorodifluoromethane
Concen: 1.207 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 85 Resp: 1548

Ion	Ratio	Lower	Upper
85	100		
87	25.5	15.7	47.1

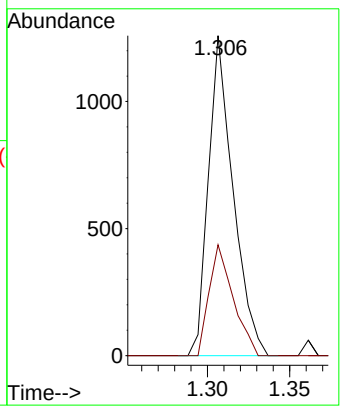




#3
Chloromethane
Concen: 1.128 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 50 Resp: 131

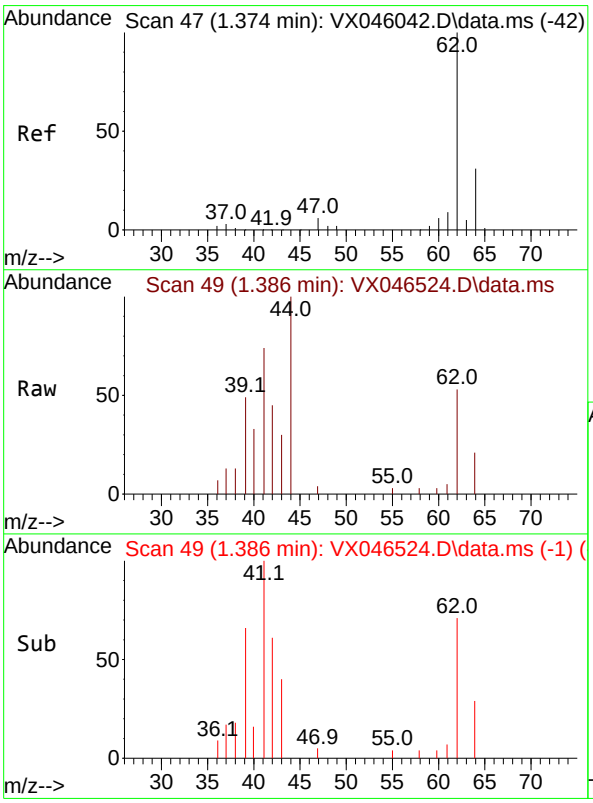
Ion	Ratio	Lower	Upper
50	100		
52	34.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

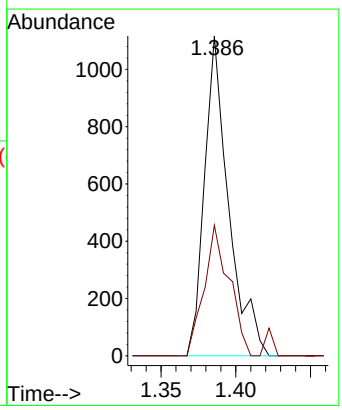
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

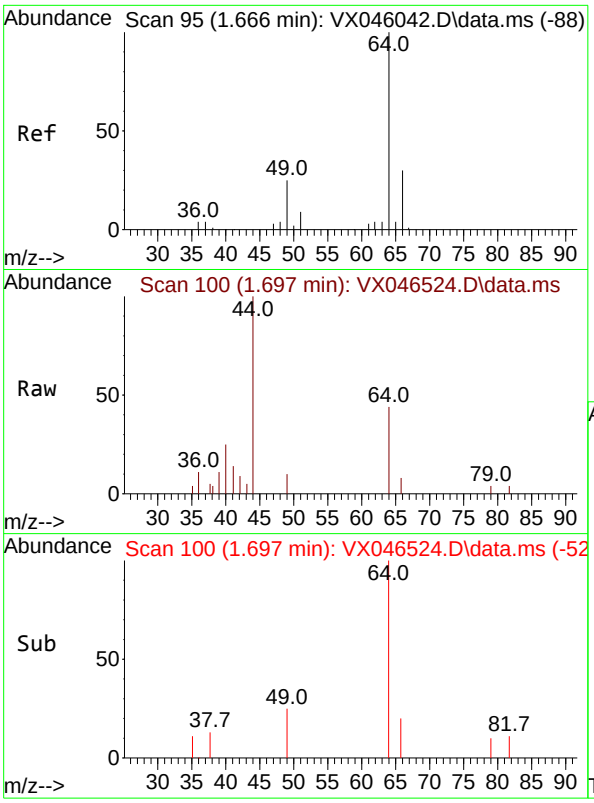


#4
Vinyl Chloride
Concen: 1.078 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 62 Resp: 1255

Ion	Ratio	Lower	Upper
62	100		
64	40.8	25.2	37.8#

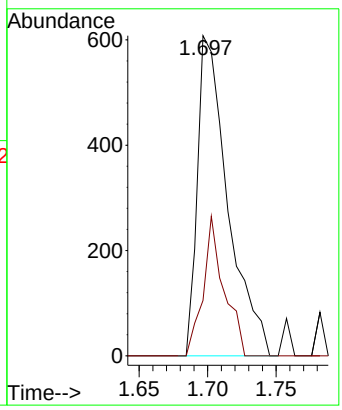




#6
Chloroethane
Concen: 1.245 ug/l
RT: 1.697 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 64 Resp: 94(

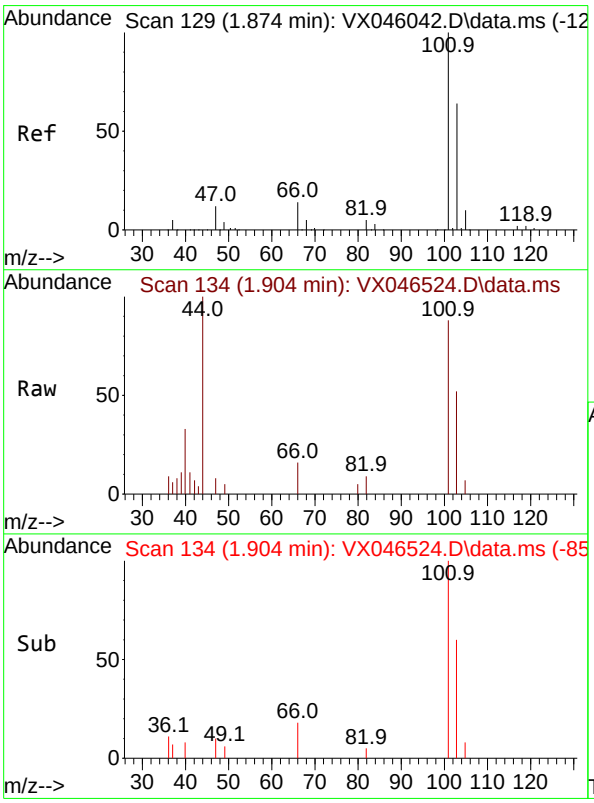
Ion	Ratio	Lower	Upper
64	100		
66	17.3	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

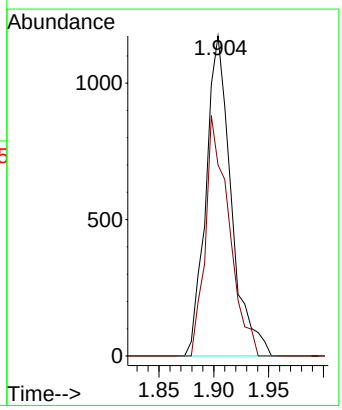
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

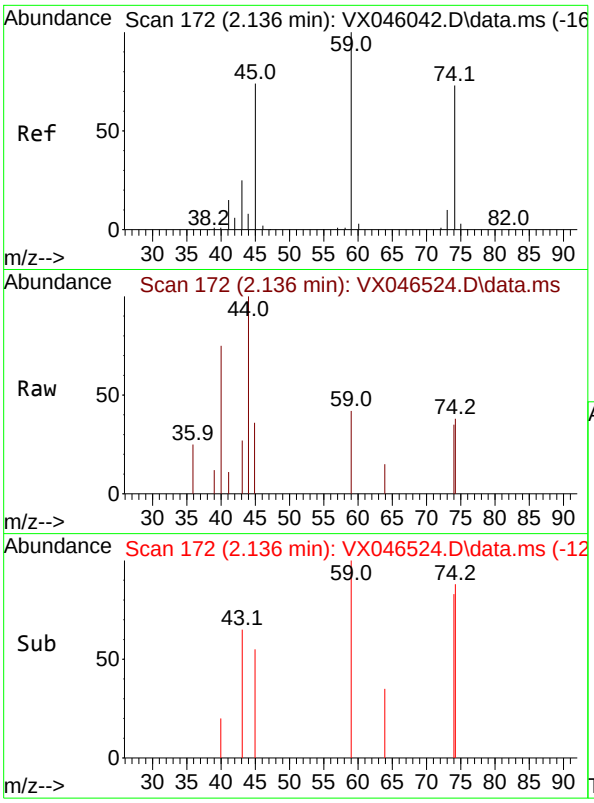


#7
Trichlorofluoromethane
Concen: 0.977 ug/l
RT: 1.904 min Scan# 134
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:101 Resp: 1882

Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.0	76.4





#8
Diethyl Ether
Concen: 1.120 ug/l
RT: 2.136 min Scan# 1
Delta R.T. -0.018 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

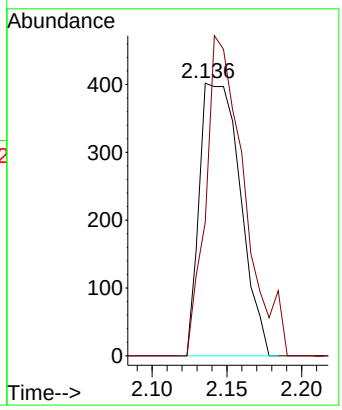
Tgt Ion: 74 Resp: 76

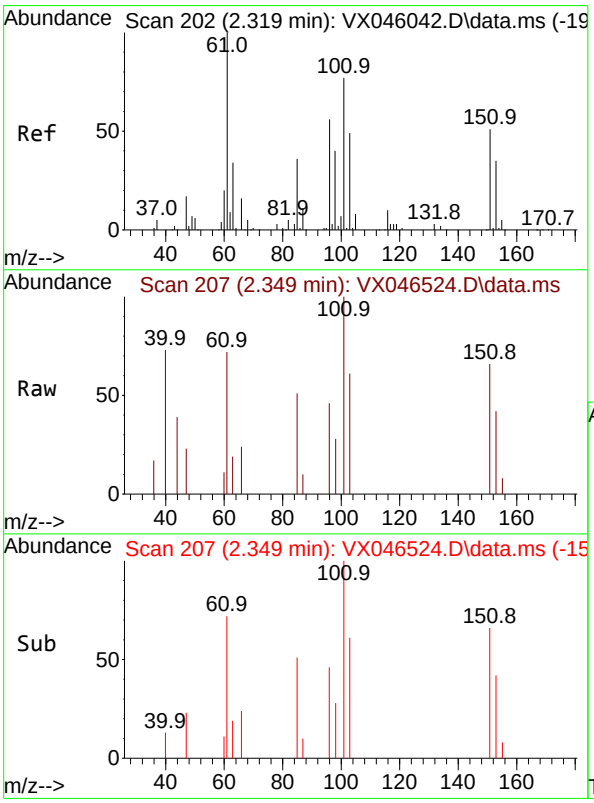
Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

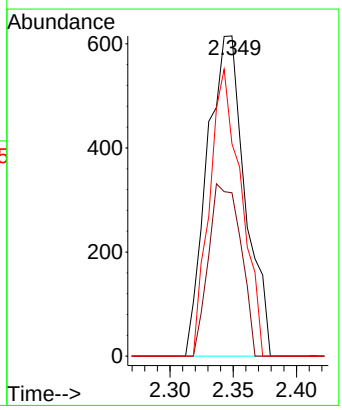


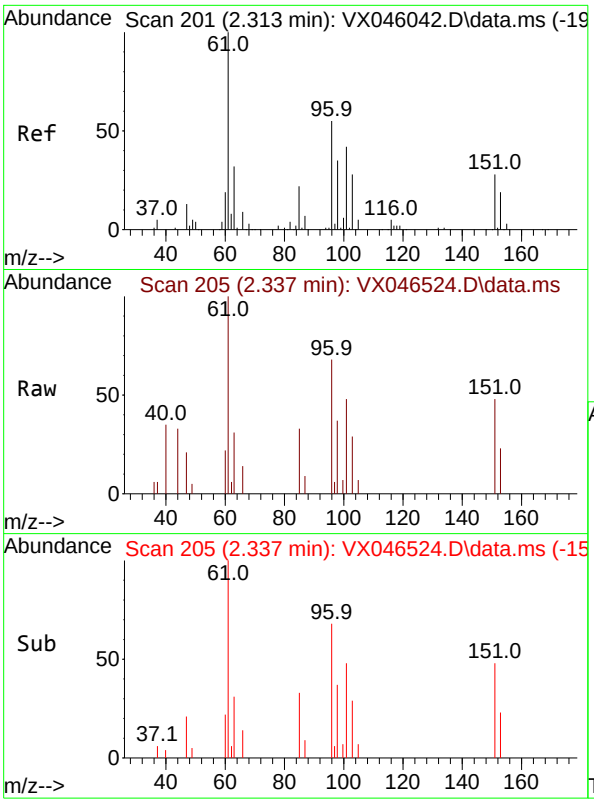


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.062 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:101 Resp: 1288

Ion	Ratio	Lower	Upper
101	100		
85	45.5	38.6	58.0
151	74.2	55.2	82.8

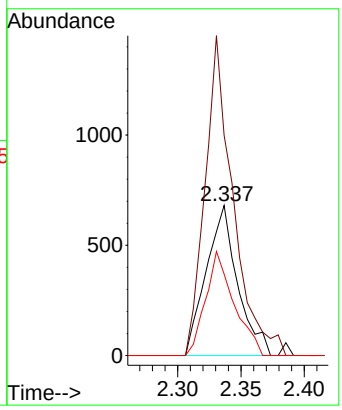




#12
1,1-Dichloroethene
Concen: 1.070 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 96 Resp: 117

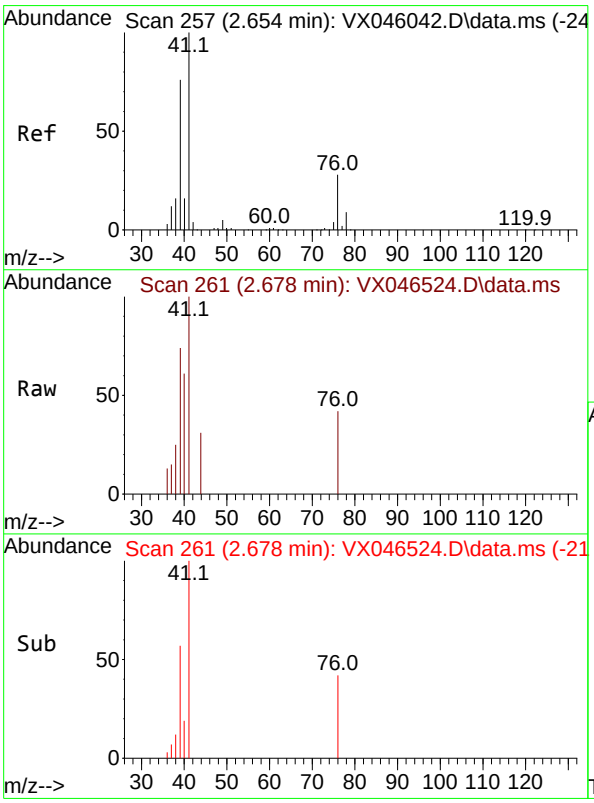
Ion	Ratio	Lower	Upper
96	100		
61	146.7	146.2	219.2
98	54.3	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

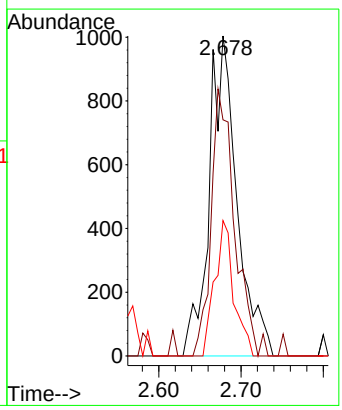
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

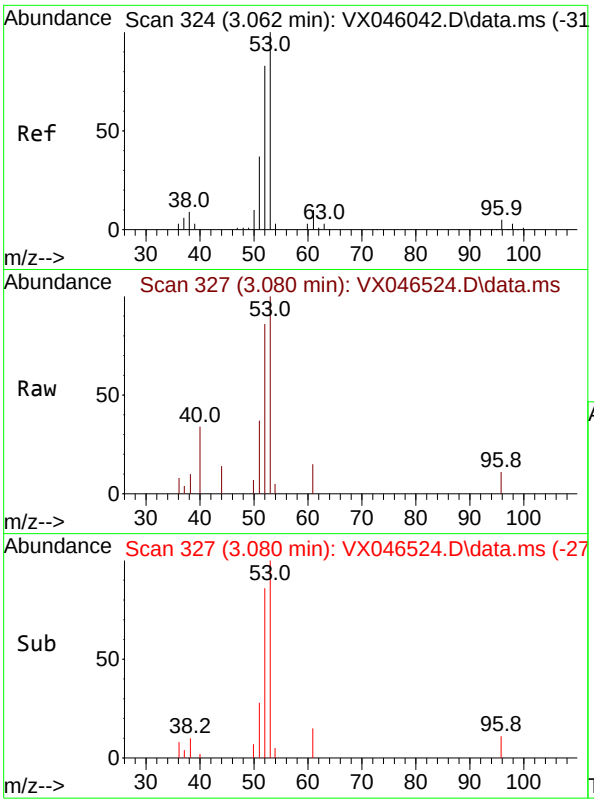


#14
Allyl chloride
Concen: 1.101 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 41 Resp: 2371

Ion	Ratio	Lower	Upper
41	100		
39	70.3	60.6	90.8
76	28.8	24.9	37.3

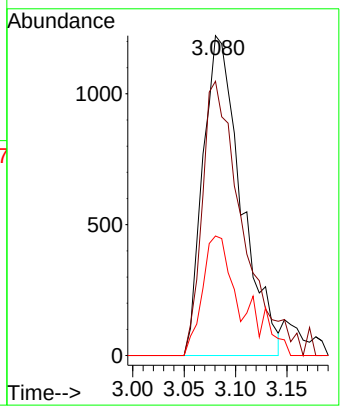




#15
Acrylonitrile
Concen: 4.580 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 53 Resp: 315

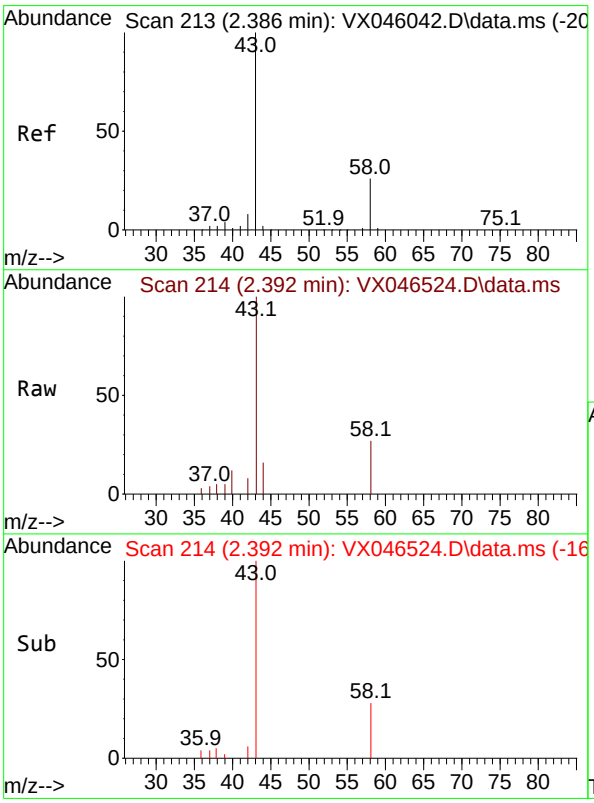
Ion	Ratio	Lower	Upper
53	100		
52	90.1	65.3	97.9
51	30.7	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

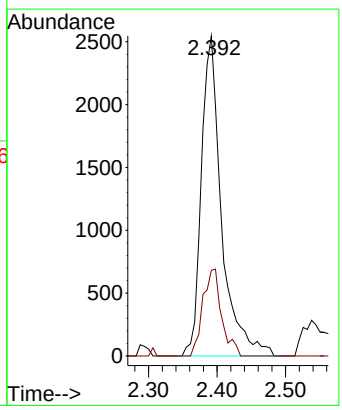
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

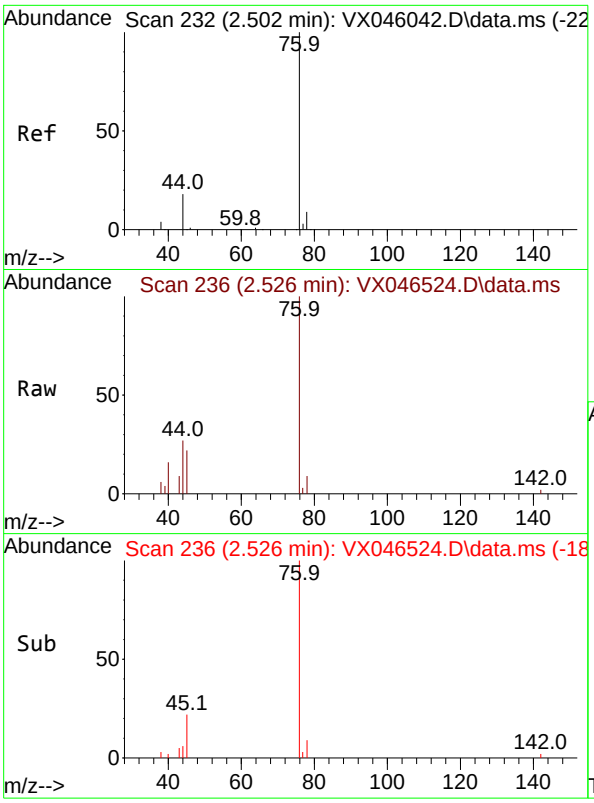


#16
Acetone
Concen: 12.546 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 5228

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.2	31.8

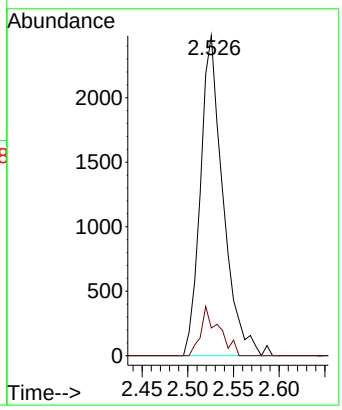




#17
Carbon Disulfide
Concen: 2.030 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 76 Resp: 427

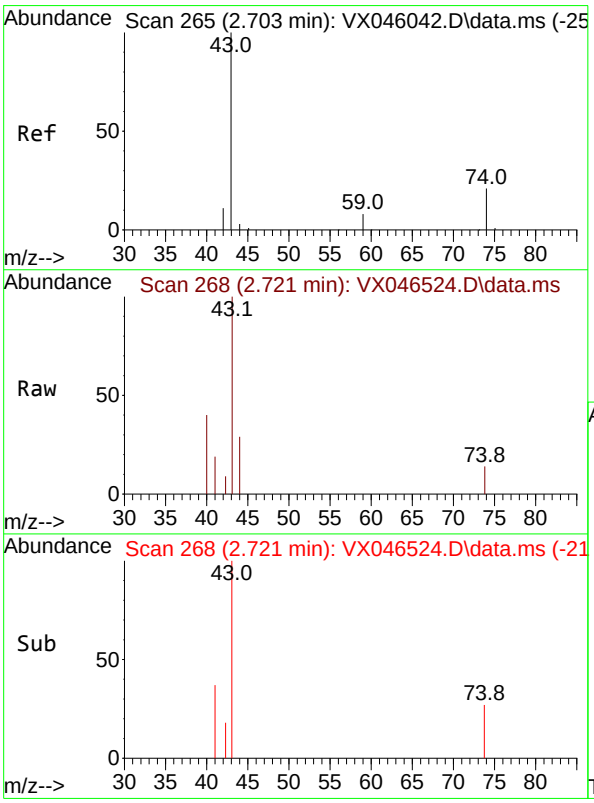
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

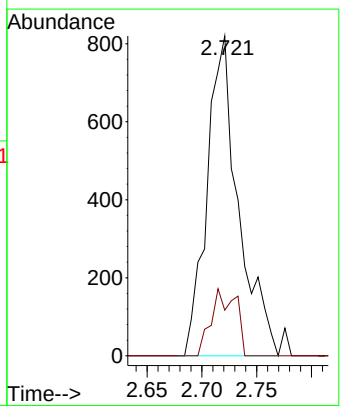
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

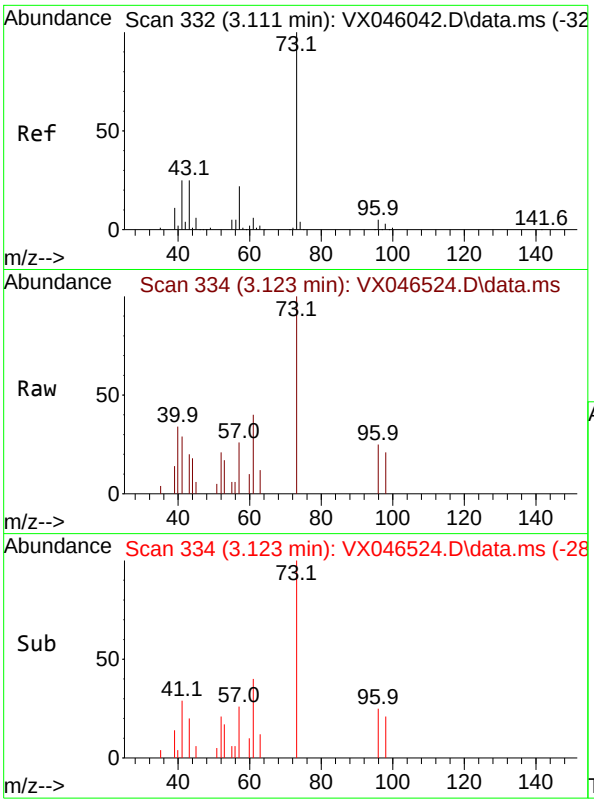


#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 1631

Ion	Ratio	Lower	Upper
43	100		
74	16.4	16.7	25.1#

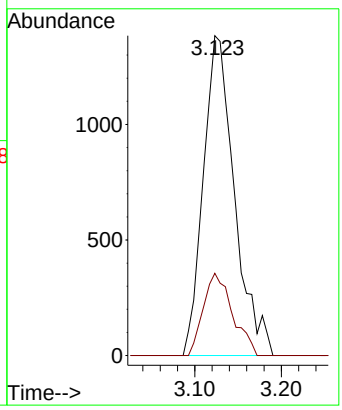




#19
Methyl tert-butyl Ether
Concen: 0.902 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 73 Resp: 346

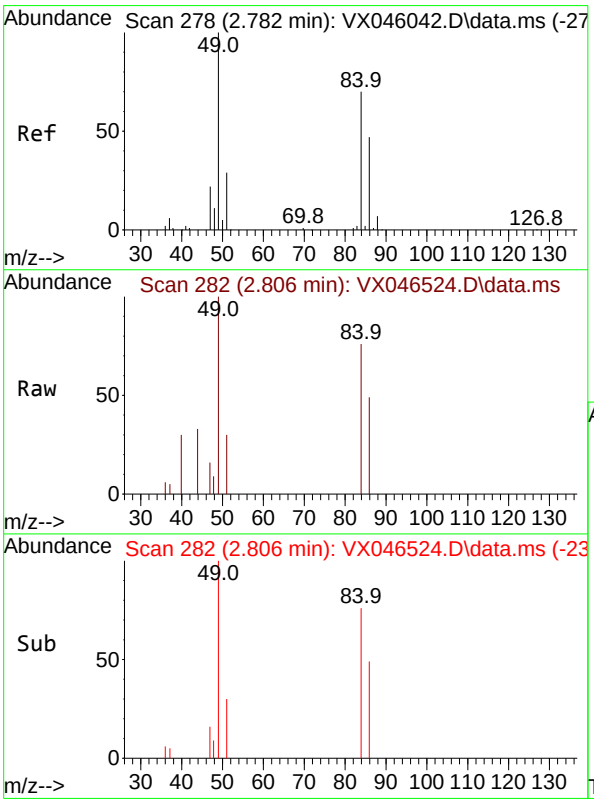
Ion	Ratio	Lower	Upper
73	100		
57	25.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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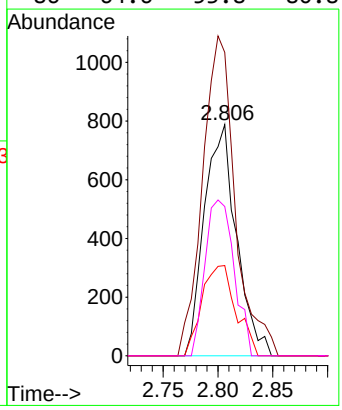
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

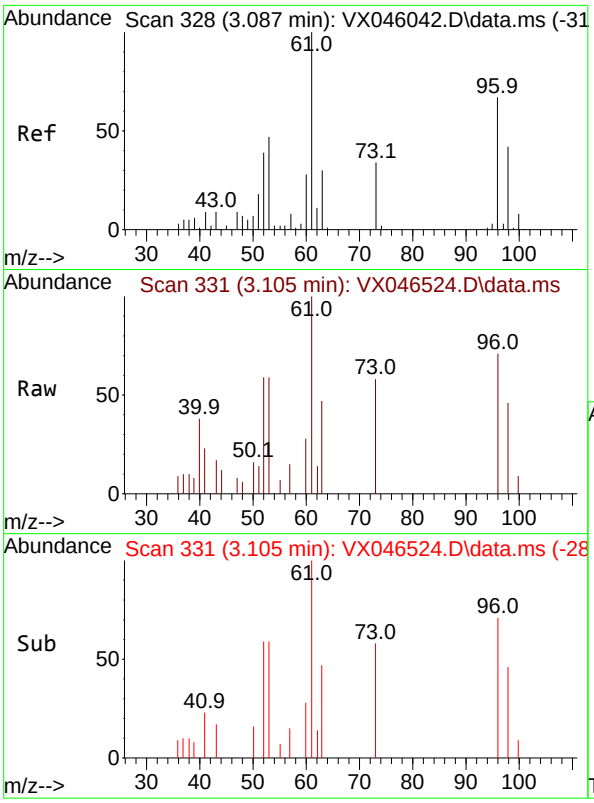


#20
Methylene Chloride
Concen: 1.217 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 84 Resp: 1604

Ion	Ratio	Lower	Upper
84	100		
49	131.2	113.9	170.9
51	39.1	33.5	50.3
86	64.6	53.8	80.8

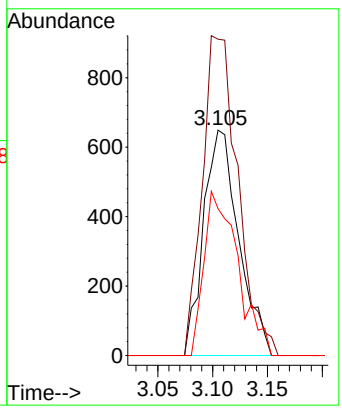




#21
trans-1,2-Dichloroethene
Concen: 1.250 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 96 Resp: 145

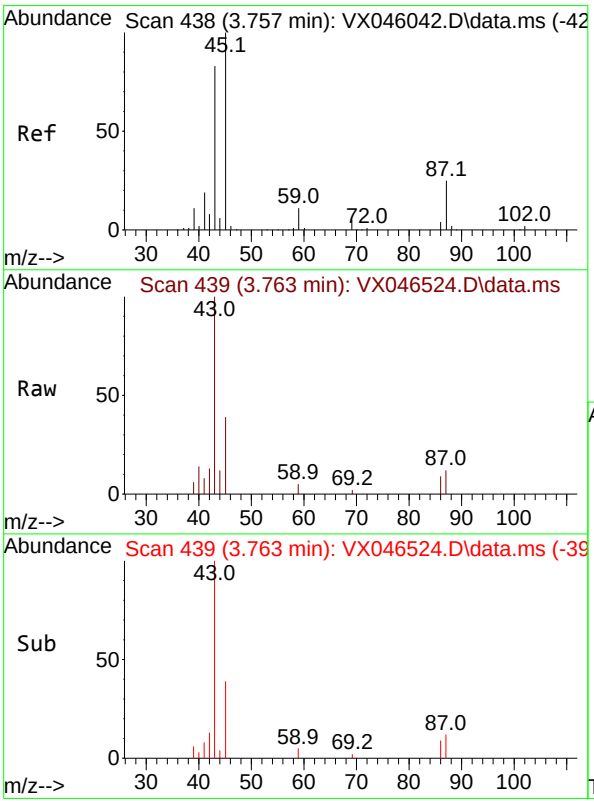
Ion	Ratio	Lower	Upper
96	100		
61	140.4	119.5	179.3
98	65.2	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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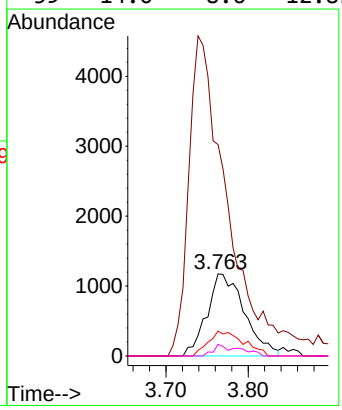
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

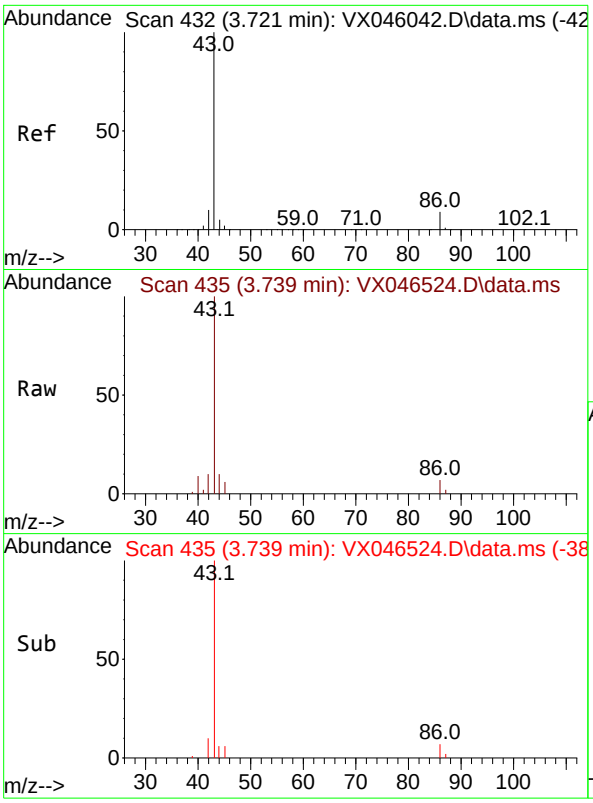


#22
Diisopropyl ether
Concen: 0.878 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.019 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 45 Resp: 3727

Ion	Ratio	Lower	Upper
45	100		
43	229.6	66.6	100.0#
87	30.5	19.8	29.6#
59	14.0	8.6	12.8#





#23
Vinyl Acetate
Concen: 4.618 ug/l
RT: 3.739 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

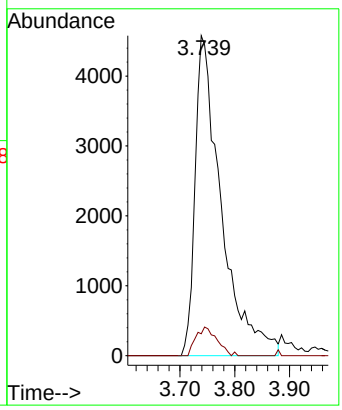
Tgt Ion: 43 Resp: 1514

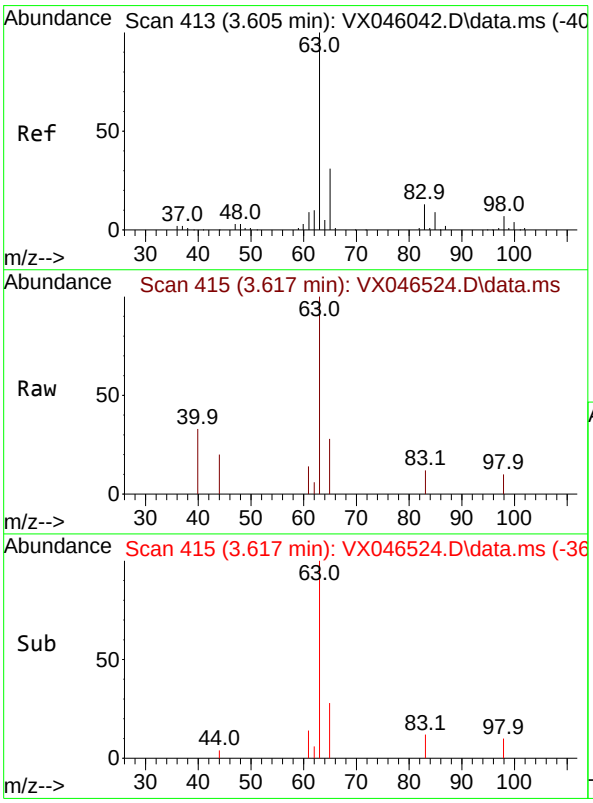
Ion	Ratio	Lower	Upper
43	100		
86	6.9	7.5	11.3#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

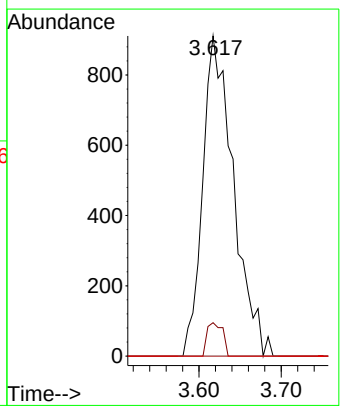


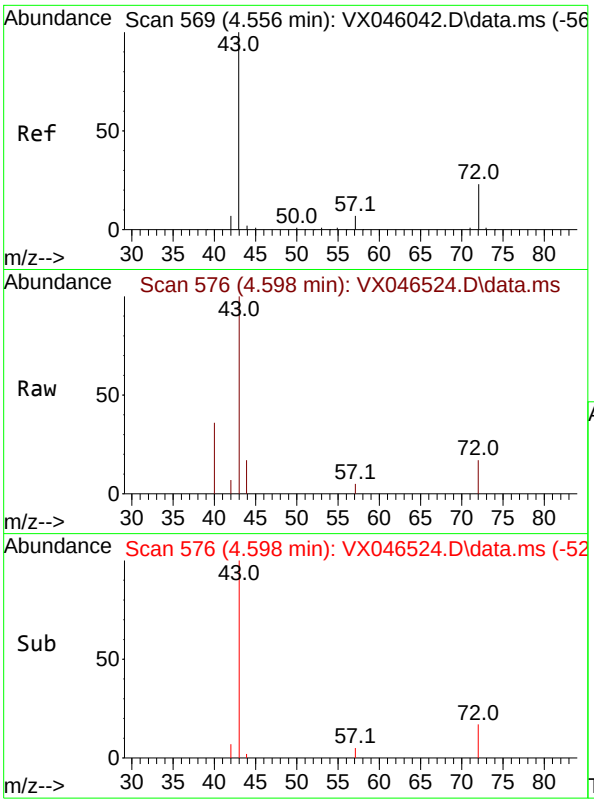


#24
1,1-Dichloroethane
Concen: 1.000 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 63 Resp: 2366

Ion	Ratio	Lower	Upper
63	100		
98	10.4	3.6	10.8
100	0.0	2.1	6.3#

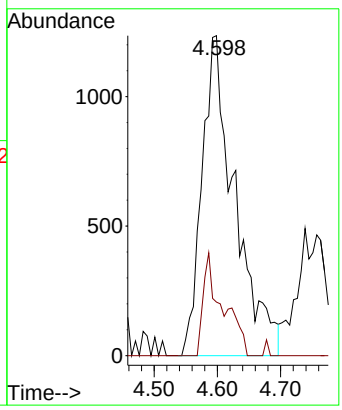




#25
2-Butanone
Concen: 4.884 ug/l
RT: 4.598 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 446

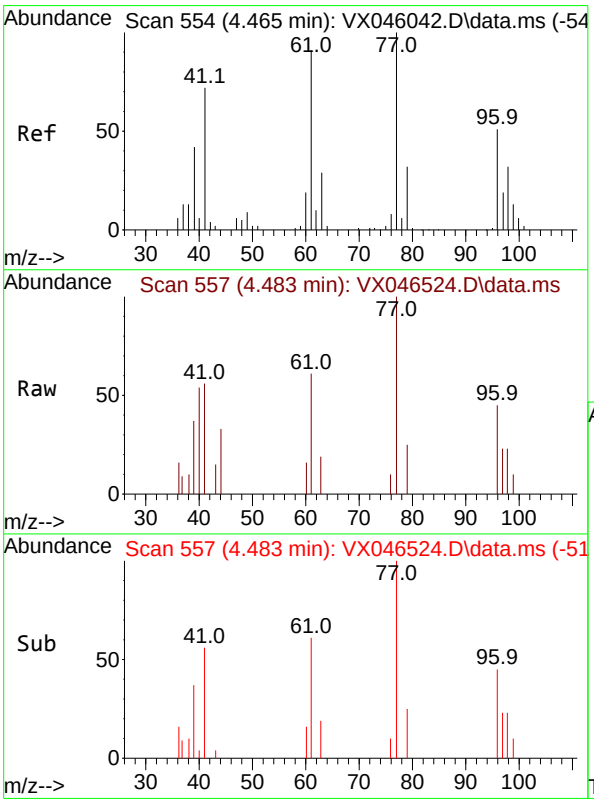
Ion	Ratio	Lower	Upper
43	100		
72	16.8	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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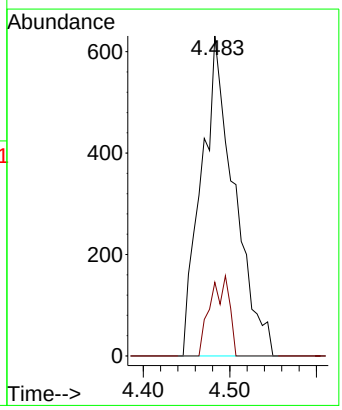
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

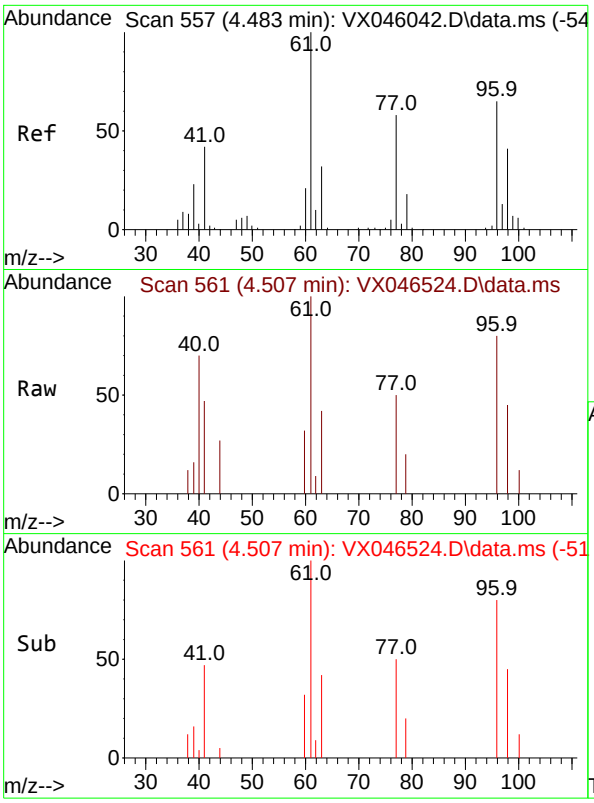


#26
2,2-Dichloropropane
Concen: 0.947 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 77 Resp: 1663

Ion	Ratio	Lower	Upper
77	100		
97	14.6	10.5	31.5

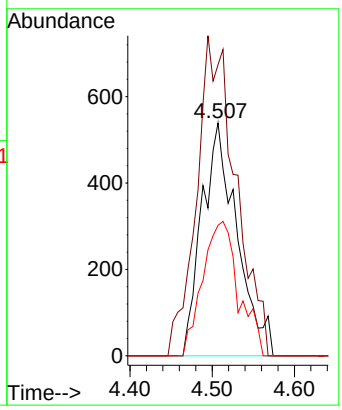




#27
cis-1,2-Dichloroethene
Concen: 1.120 ug/l
RT: 4.507 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 96 Resp: 160

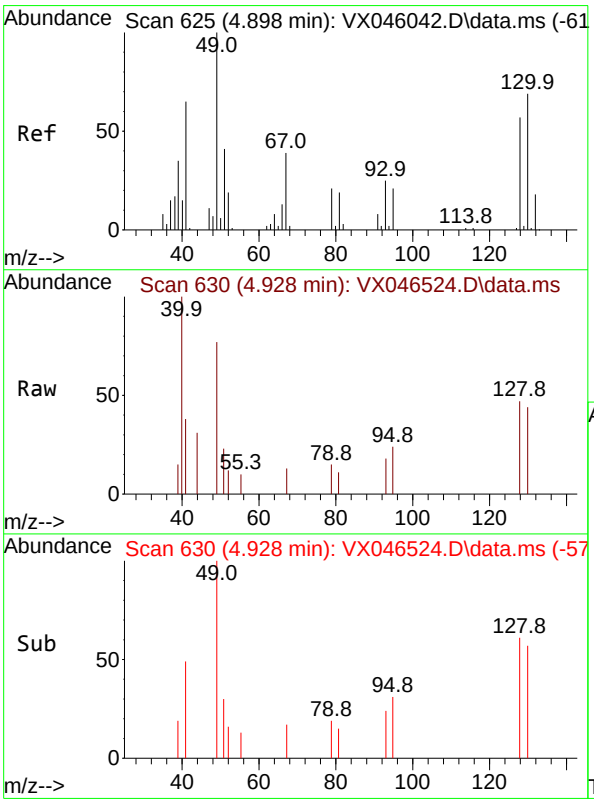
Ion	Ratio	Lower	Upper
96	100		
61	153.1	0.0	322.8
98	59.2	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

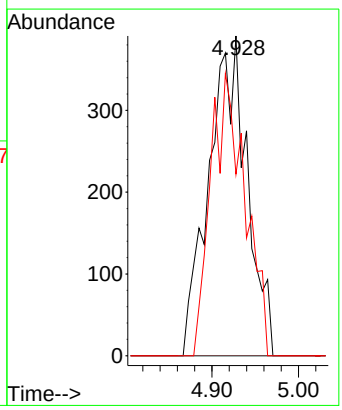
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

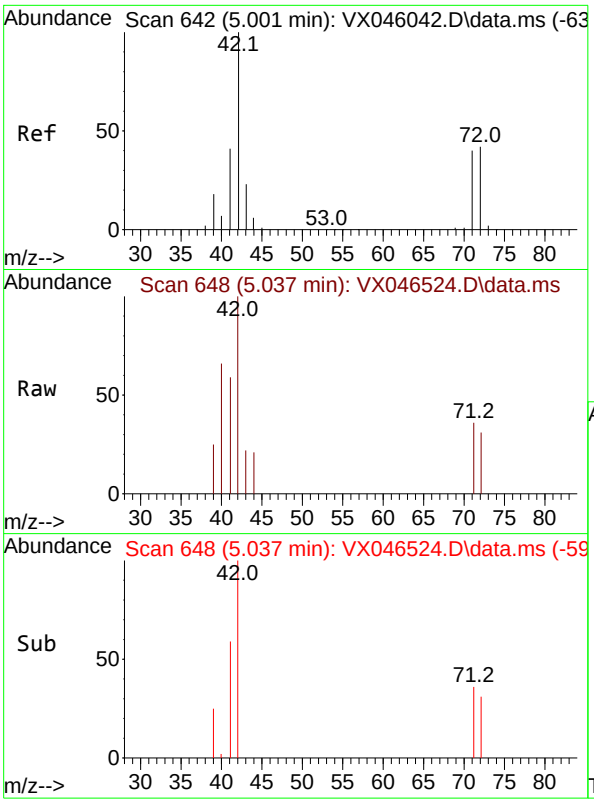


#28
Bromochloromethane
Concen: 1.063 ug/l
RT: 4.928 min Scan# 630
Delta R.T. 0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 49 Resp: 1200

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	79.0	56.2	84.2

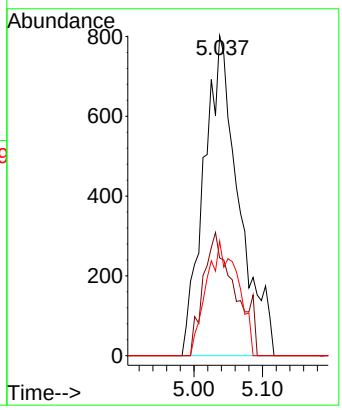




#29
Tetrahydrofuran
Concen: 4.895 ug/l
RT: 5.037 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 42 Resp: 282

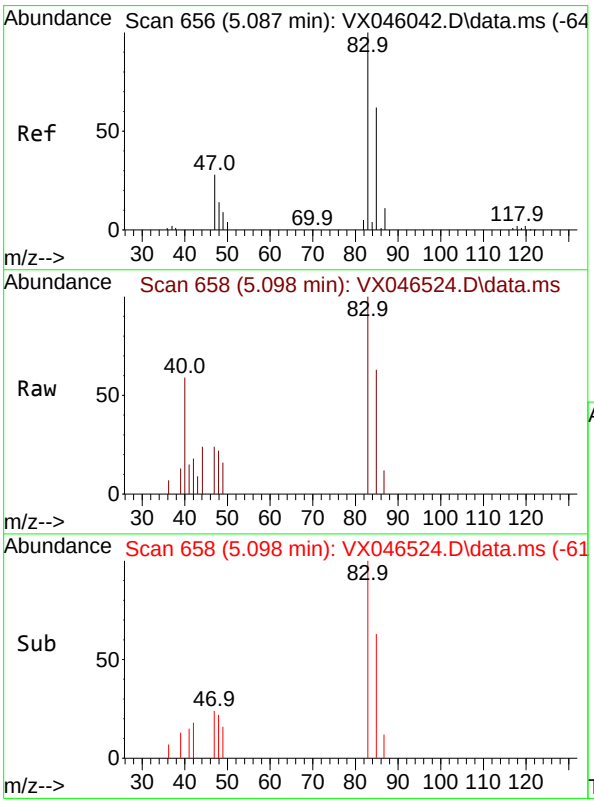
Ion	Ratio	Lower	Upper
42	100		
72	35.0	33.7	50.5
71	32.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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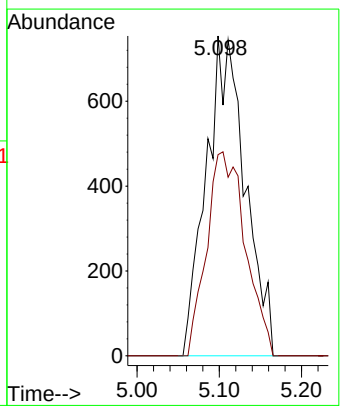
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

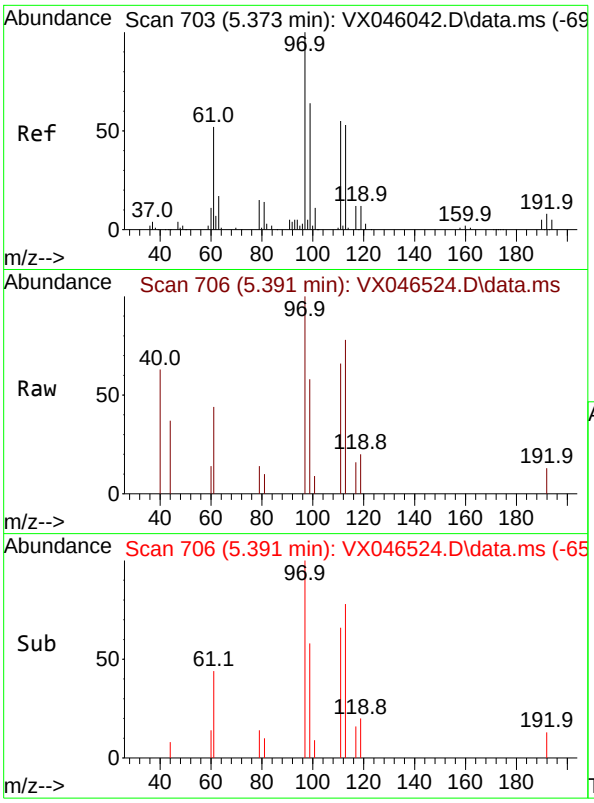


#30
Chloroform
Concen: 1.005 ug/l
RT: 5.098 min Scan# 658
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 83 Resp: 2492

Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.3	73.9

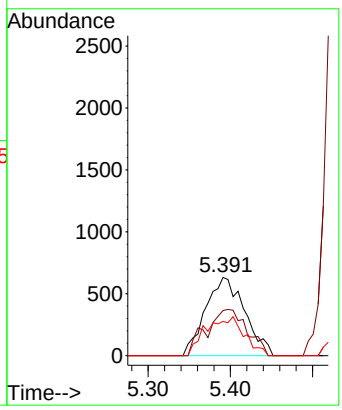




#32
1,1,1-Trichloroethane
Concen: 0.985 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 97 Resp: 209

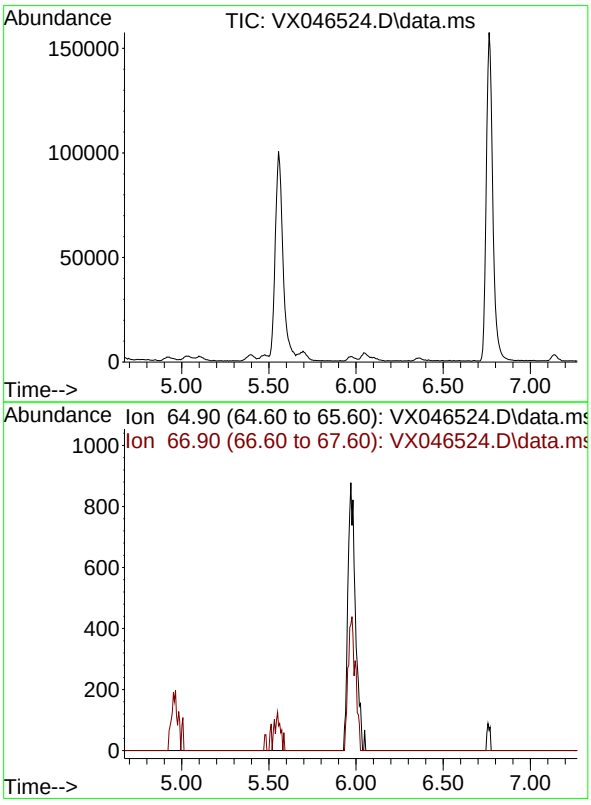
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6
61	48.5	40.1	60.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

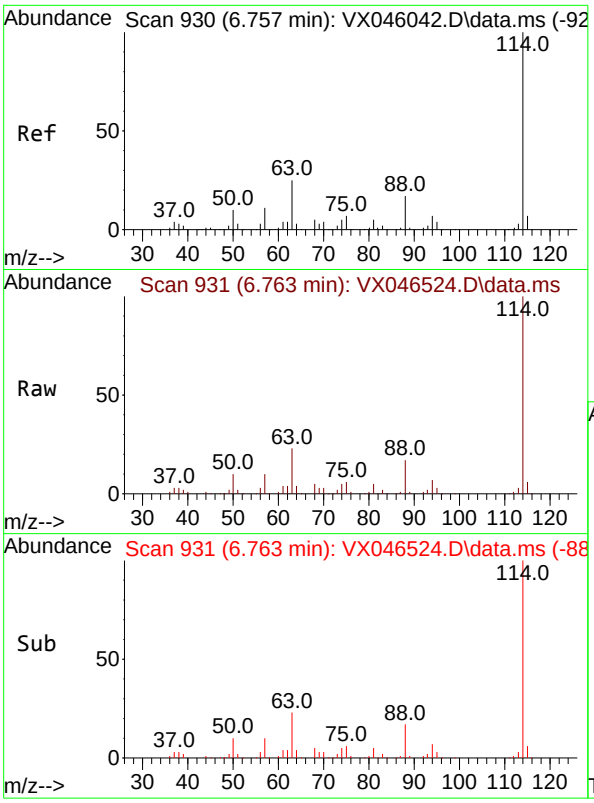


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.97 min

Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

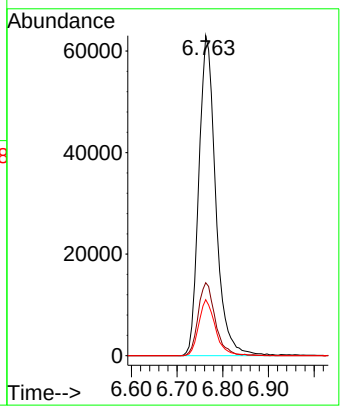
Tgt Ion:114 Resp: 16141

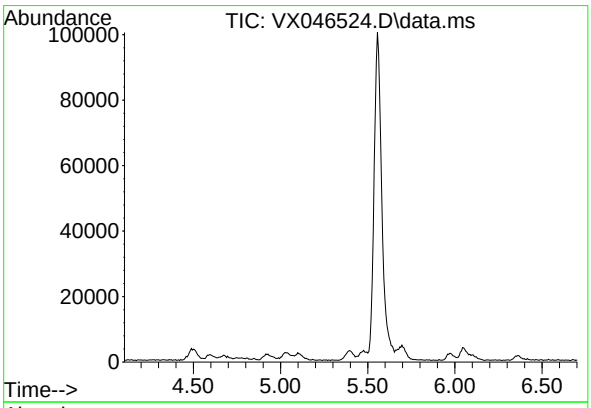
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	49.2
88	17.5	0.0	33.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Supervised By :Mahesh Dadoda 06/09/2025



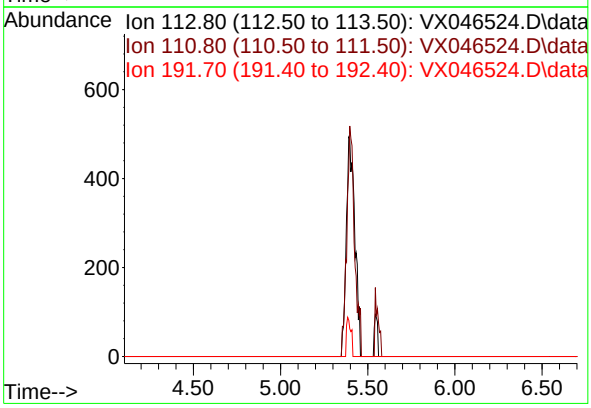


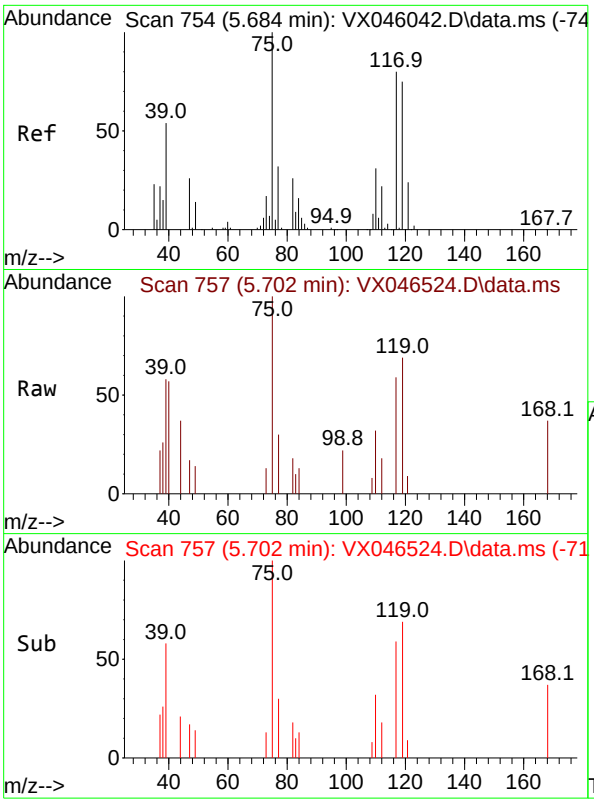
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.40 min

Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.9
192	16.6

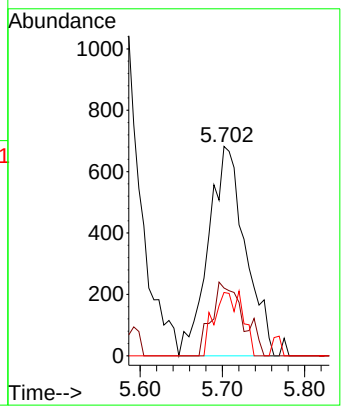




#36
1,1-Dichloropropene
Concen: 1.256 ug/l
RT: 5.702 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 75 Resp: 213

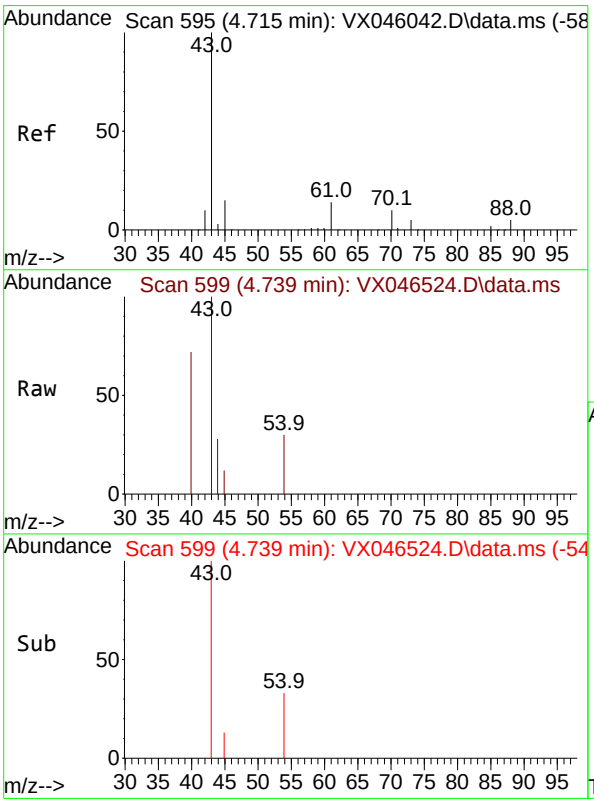
Ion	Ratio	Lower	Upper
75	100		
110	29.5	16.3	48.9
77	0.0	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

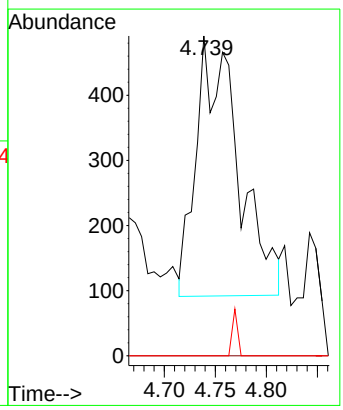
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

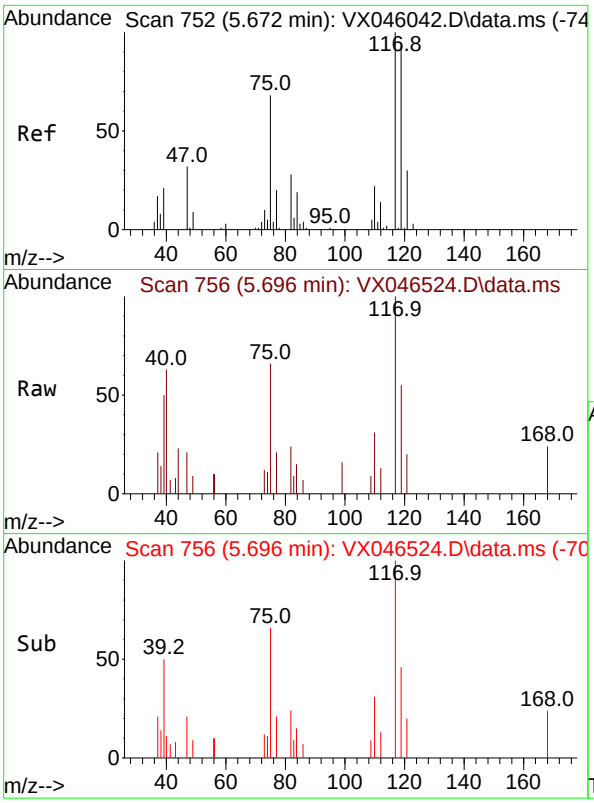


#37
Ethyl Acetate
Concen: 0.693 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 1146

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	0.0	7.9	11.9#





#38
Carbon Tetrachloride
Concen: 1.113 ug/l
RT: 5.696 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

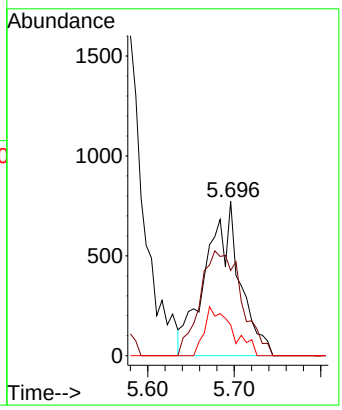
Tgt Ion:117 Resp: 211

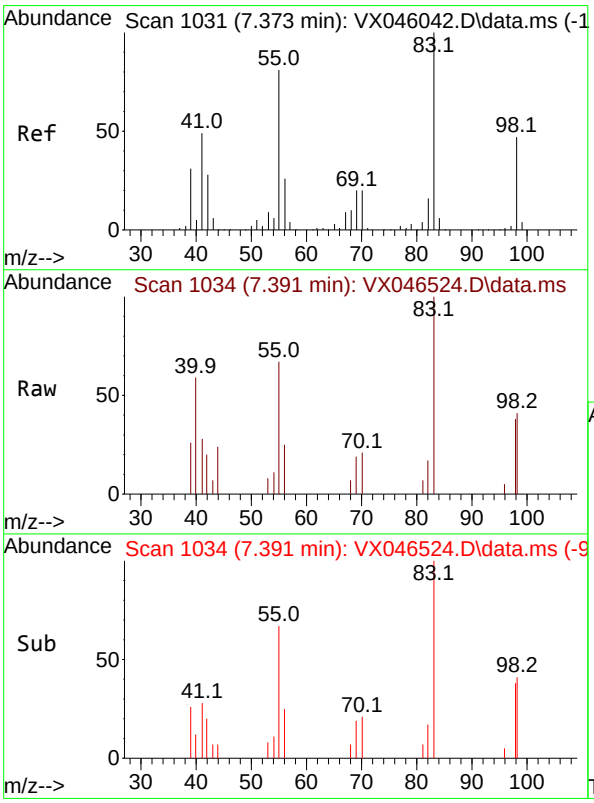
Ion	Ratio	Lower	Upper
117	100		
119	55.3	75.2	112.8#
121	20.1	24.2	36.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

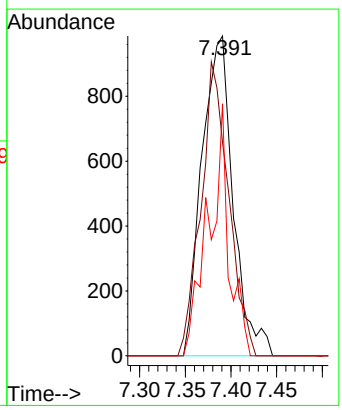


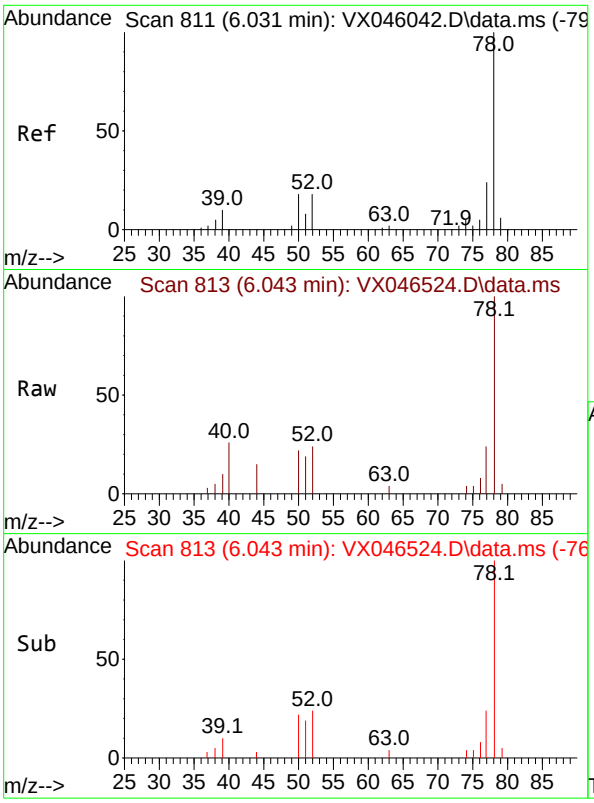


#39
Methylcyclohexane
Concen: 1.169 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 83 Resp: 2339

Ion	Ratio	Lower	Upper
83	100		
55	66.7	64.7	97.1
98	78.8	37.4	56.2#

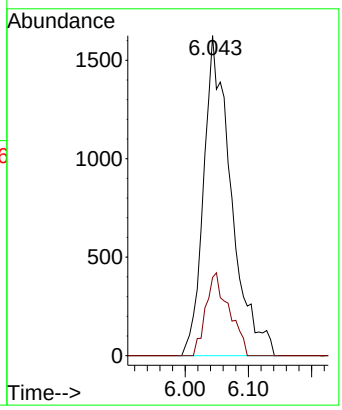




#40
Benzene
Concen: 1.029 ug/l
RT: 6.043 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 78 Resp: 491

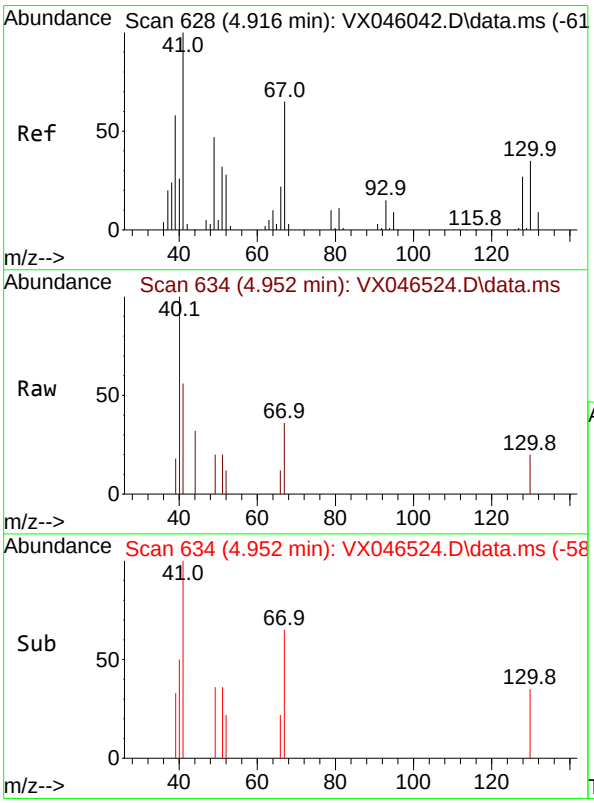
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

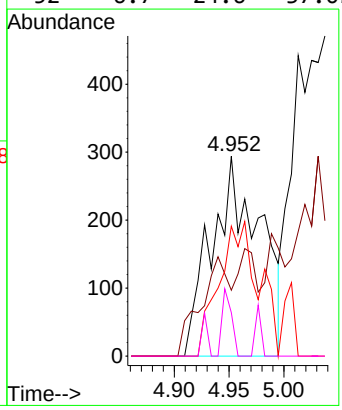
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

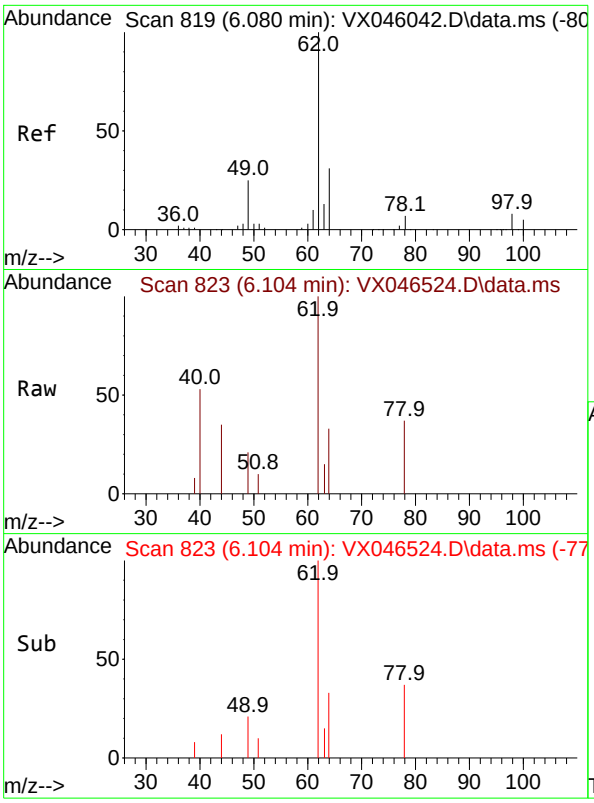


#41
Methacrylonitrile
Concen: 0.877 ug/l
RT: 4.952 min Scan# 634
Delta R.T. 0.018 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 41 Resp: 901

Ion	Ratio	Lower	Upper
41	100		
39	30.0	47.2	70.8#
67	0.0	50.7	76.1#
52	6.7	24.6	37.0#

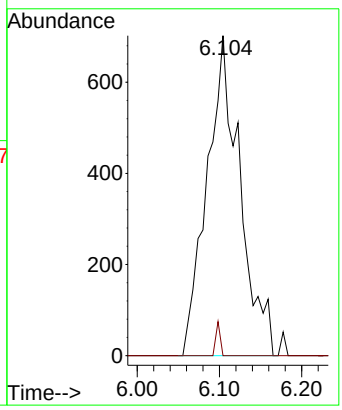




#42
1,2-Dichloroethane
Concen: 0.984 ug/l
RT: 6.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 62 Resp: 195

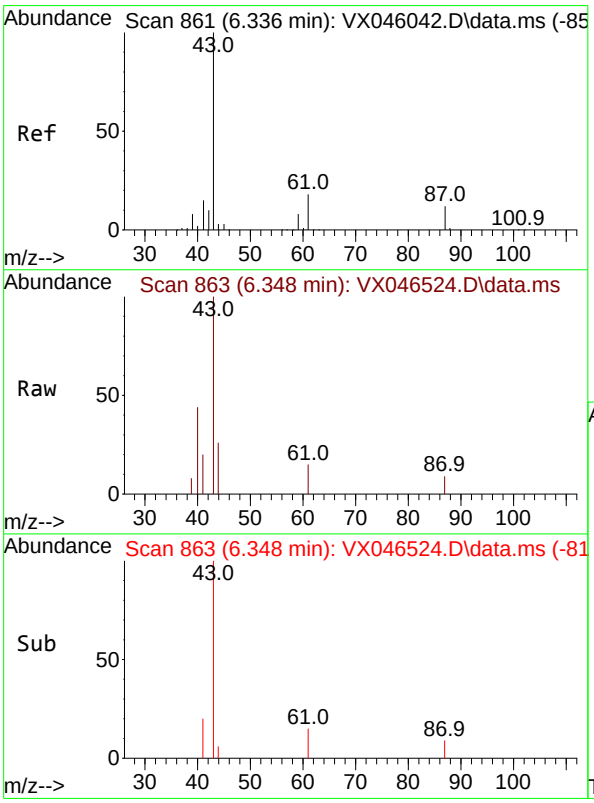
Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

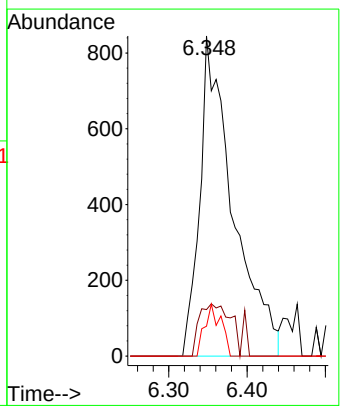
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

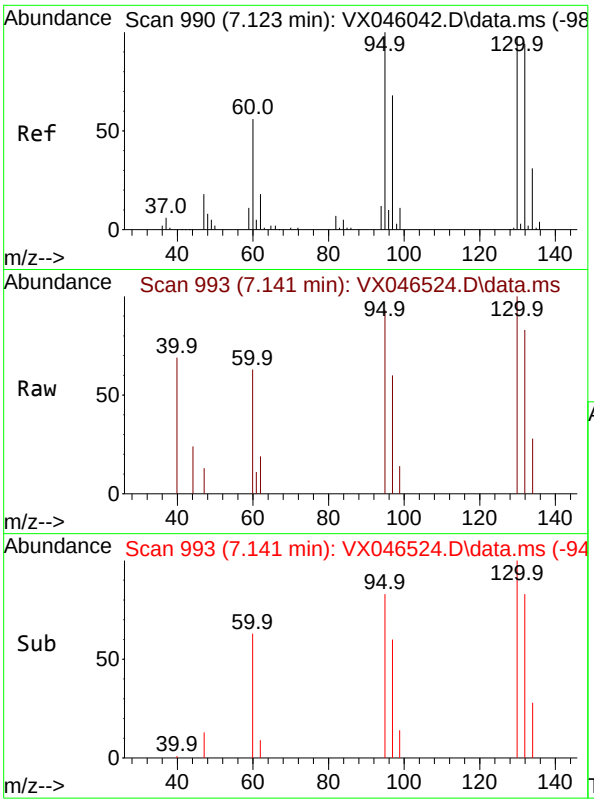


#43
Isopropyl Acetate
Concen: 0.864 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 2493

Ion	Ratio	Lower	Upper
43	100		
61	15.2	14.3	21.5
87	7.9	9.5	14.3#

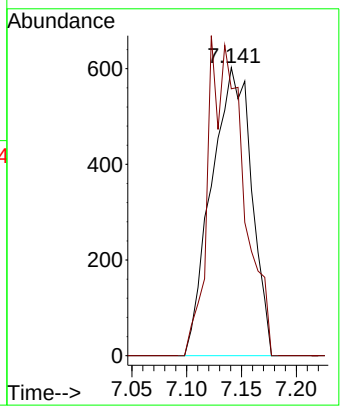




#44
Trichloroethene
Concen: 1.267 ug/l
RT: 7.141 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:130 Resp: 153

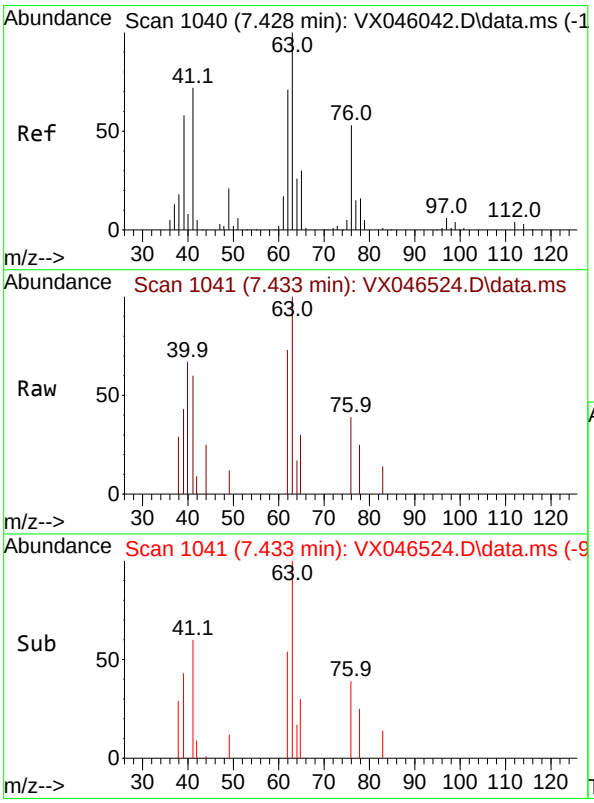
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	204.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

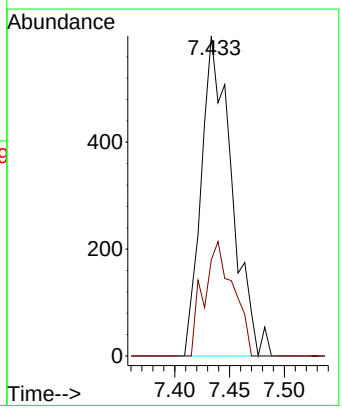
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

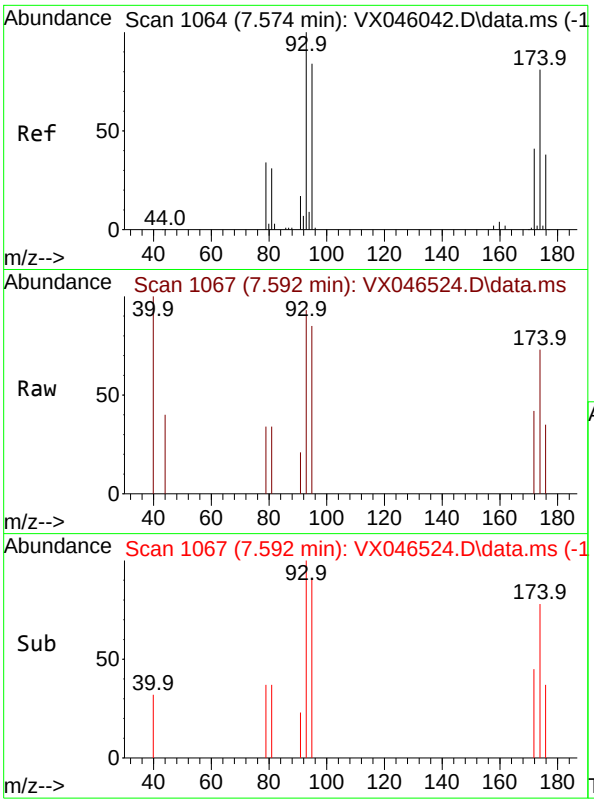


#45
1,2-Dichloropropane
Concen: 0.940 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 63 Resp: 1158

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

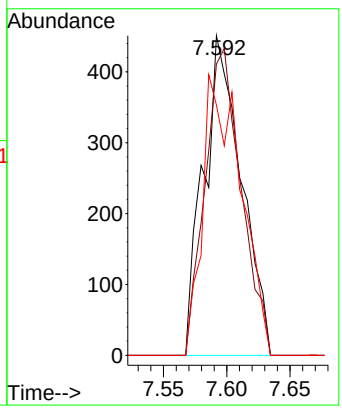




#46
Dibromomethane
Concen: 1.012 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 93 Resp: 93

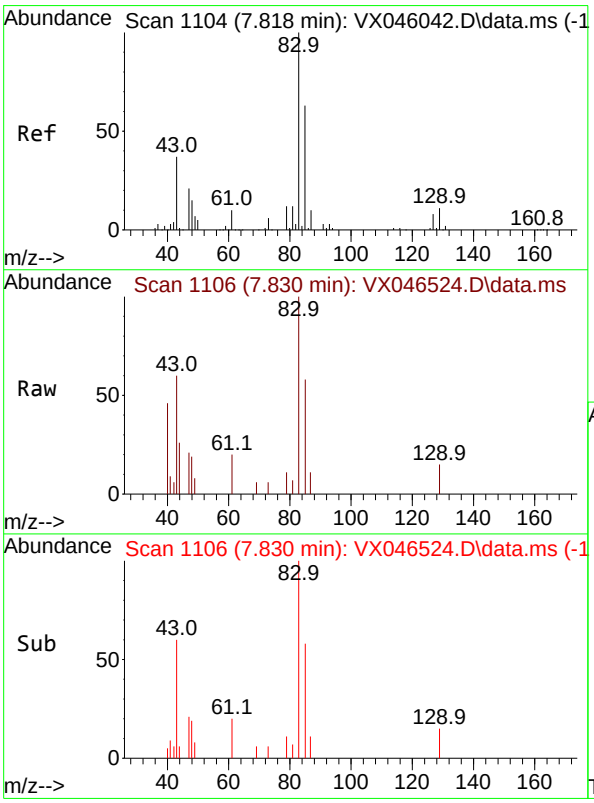
Ion	Ratio	Lower	Upper
93	100		
95	91.9	65.6	98.4
174	89.4	68.2	102.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

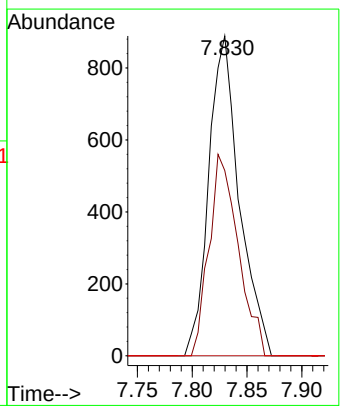
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

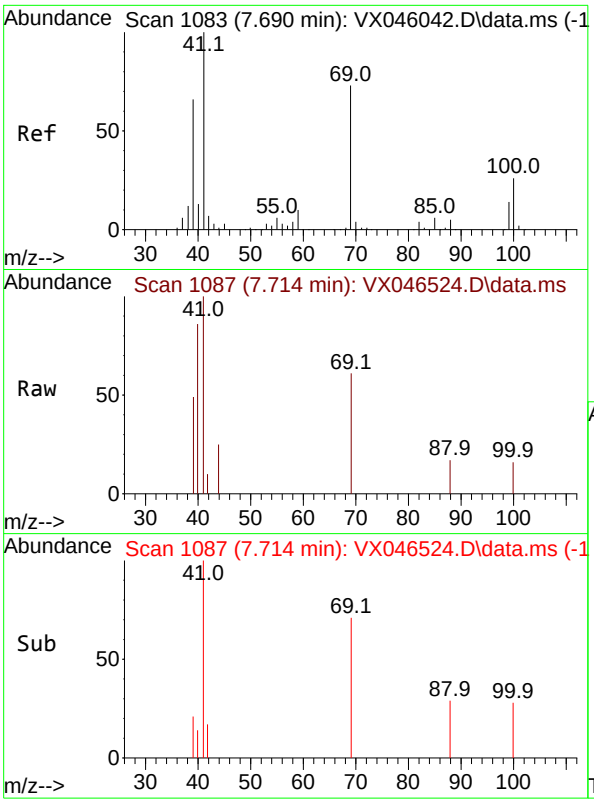


#47
Bromodichloromethane
Concen: 0.905 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 83 Resp: 1724

Ion	Ratio	Lower	Upper
83	100		
85	57.9	50.5	75.7
127	0.0	6.5	9.7#

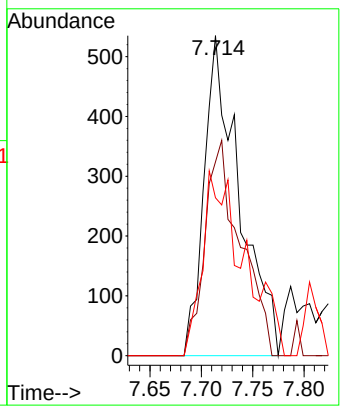




#48
Methyl methacrylate
Concen: 0.860 ug/l
RT: 7.714 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 41 Resp: 127

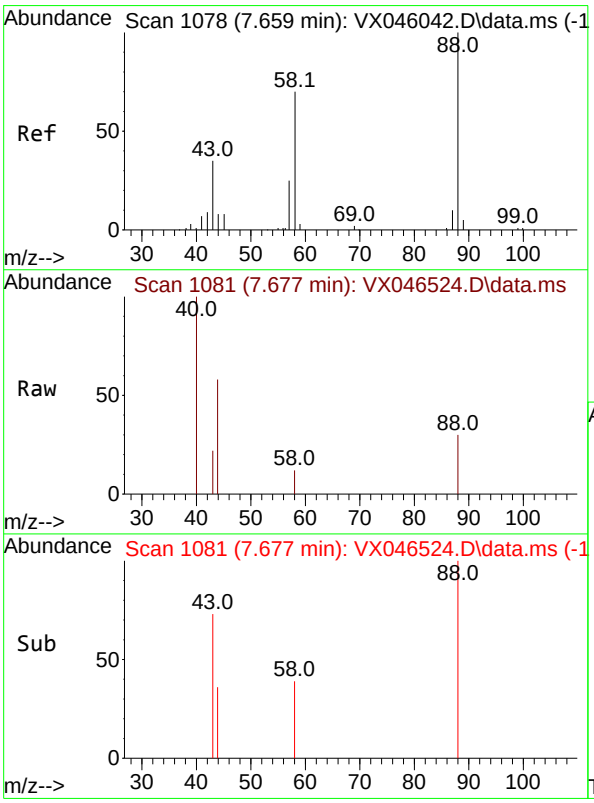
Ion	Ratio	Lower	Upper
41	100		
69	68.0	58.5	87.7
39	60.0	51.7	77.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

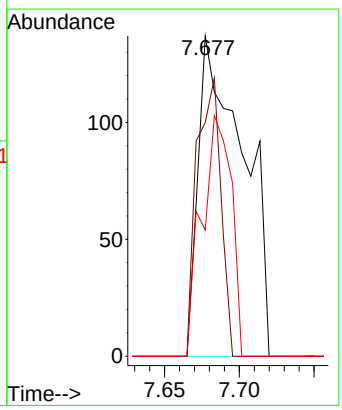
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

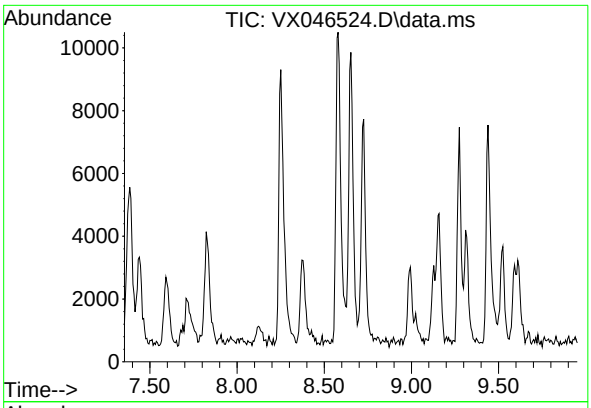


#49
1,4-Dioxane
Concen: 14.408 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 88 Resp: 286

Ion	Ratio	Lower	Upper
88	100		
43	46.2	33.4	50.2
58	49.3	58.6	88.0#





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

Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

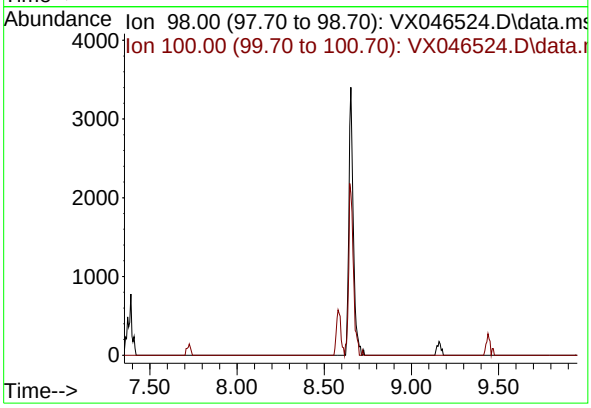
Tgt Ion: 98

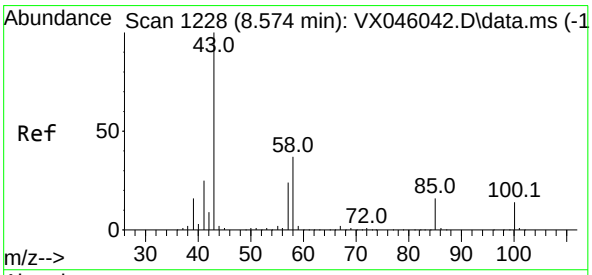
Sig	Exp Ratio
98	100
100	66.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

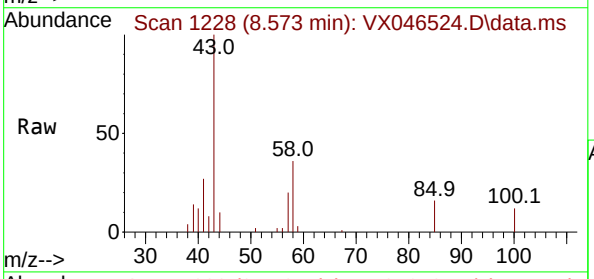


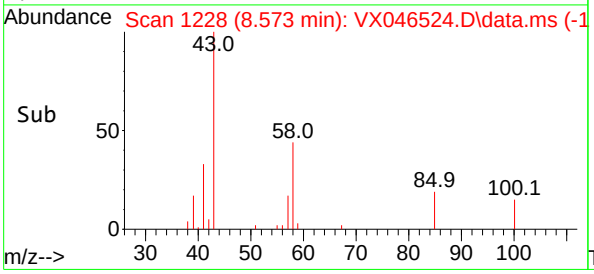


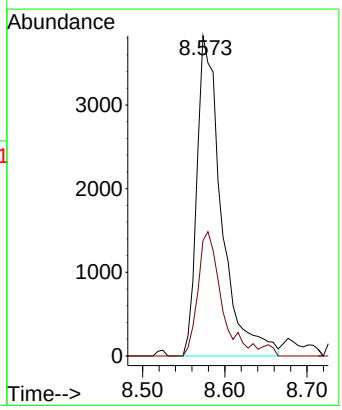
#51
4-Methyl-2-Pentanone
Concen: 4.328 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

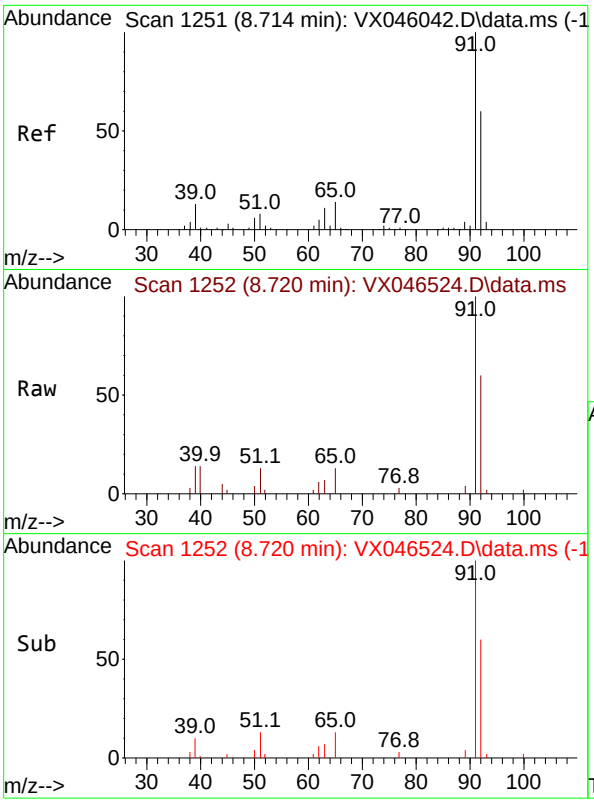
Tgt Ion: 43 Resp: 7935

Ion	Ratio	Lower	Upper
43	100		
58	37.2	28.9	43.3





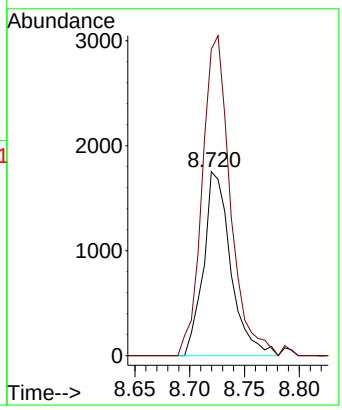




#52
Toluene
Concen: 1.032 ug/l
RT: 8.720 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 92 Resp: 302

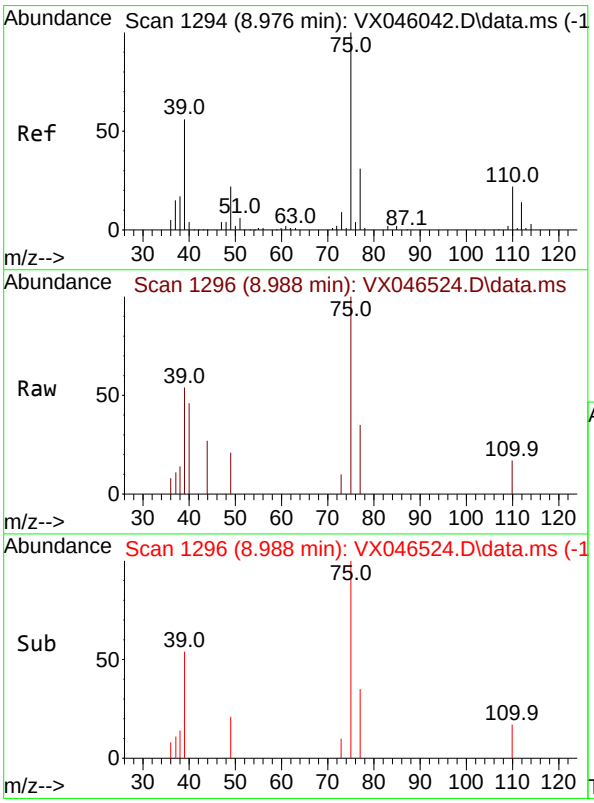
Ion	Ratio	Lower	Upper
92	100		
91	179.3	136.6	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

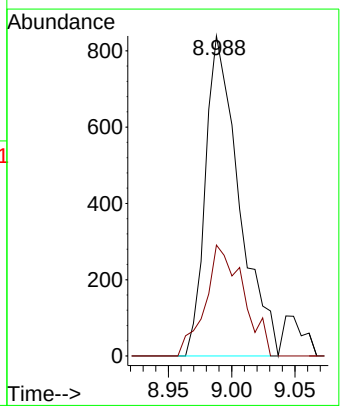
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

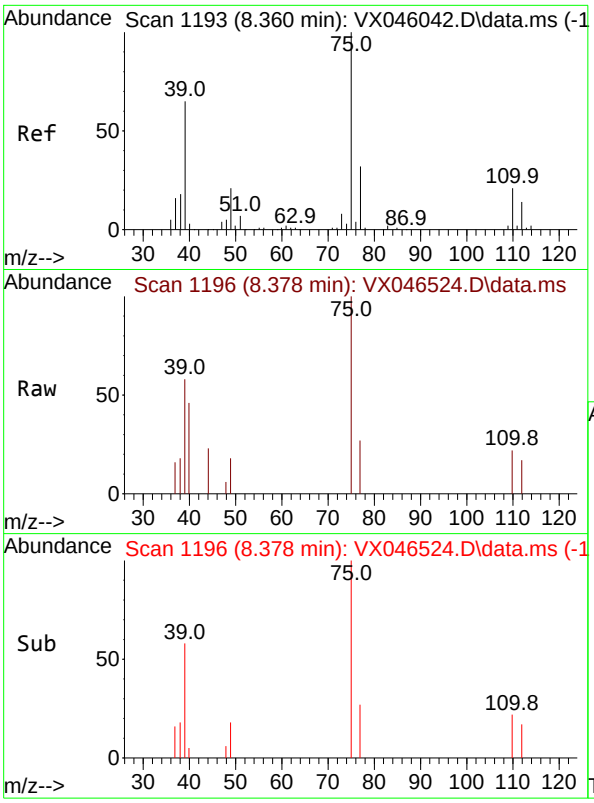


#53
t-1,3-Dichloropropene
Concen: 0.907 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 75 Resp: 1550

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.0	37.6

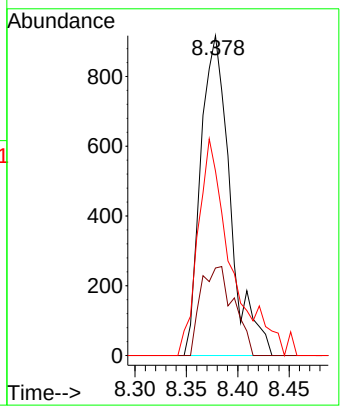




#54
cis-1,3-Dichloropropene
Concen: 0.964 ug/l
RT: 8.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 75 Resp: 183

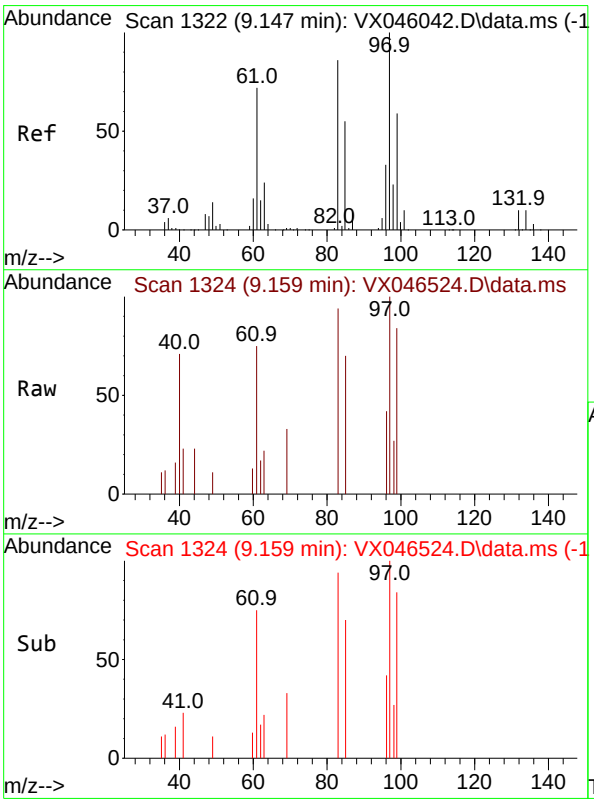
Ion	Ratio	Lower	Upper
75	100		
77	27.4	25.4	38.0
39	57.7	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

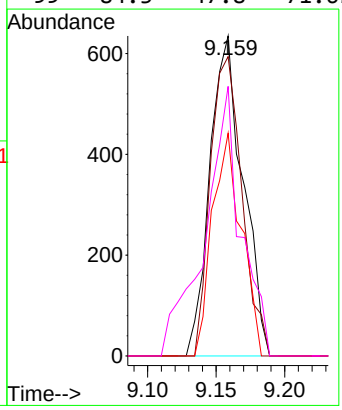
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

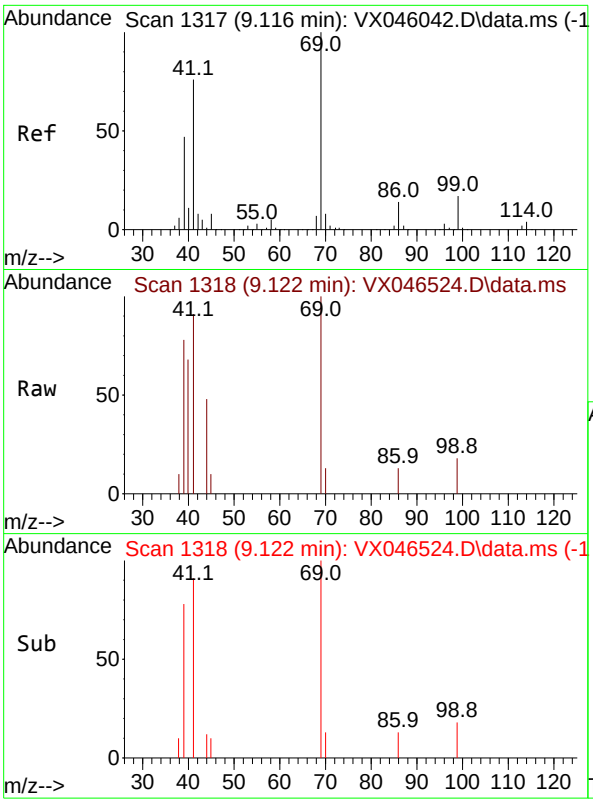


#55
1,1,2-Trichloroethane
Concen: 0.908 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 97 Resp: 1069

Ion	Ratio	Lower	Upper
97	100		
83	93.5	69.0	103.6
85	69.6	44.3	66.5#
99	84.3	47.8	71.6#

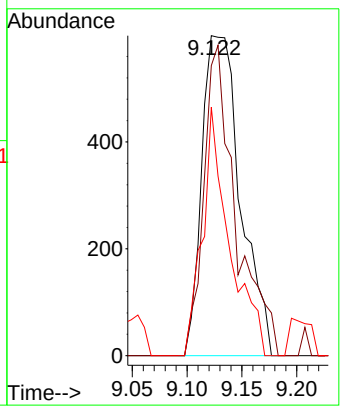




#56
Ethyl methacrylate
Concen: 0.812 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 69 Resp: 147

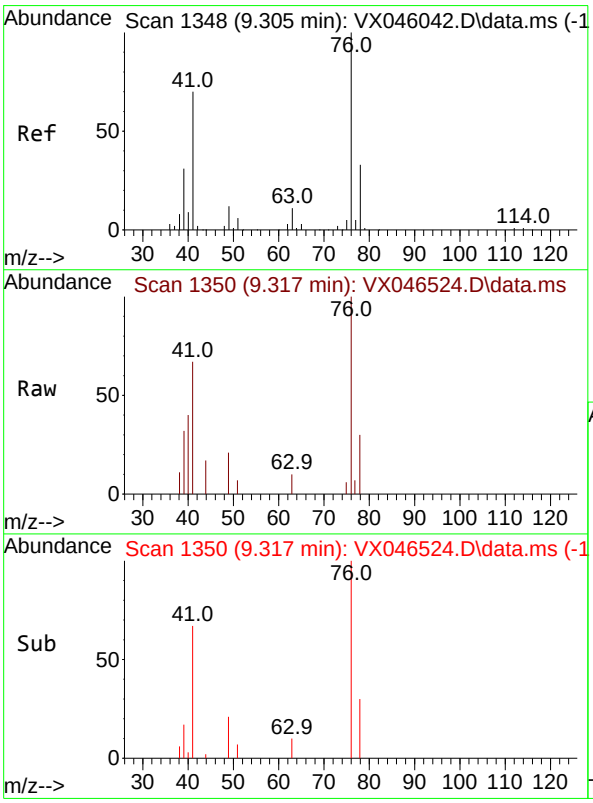
Ion	Ratio	Lower	Upper
69	100		
41	80.5	60.8	91.2
39	54.2	39.0	58.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

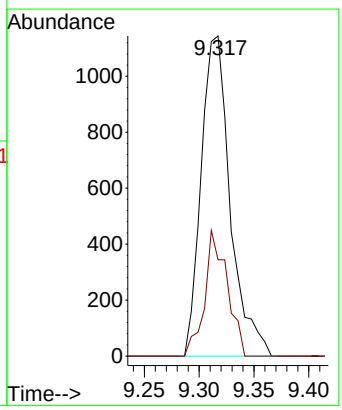
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

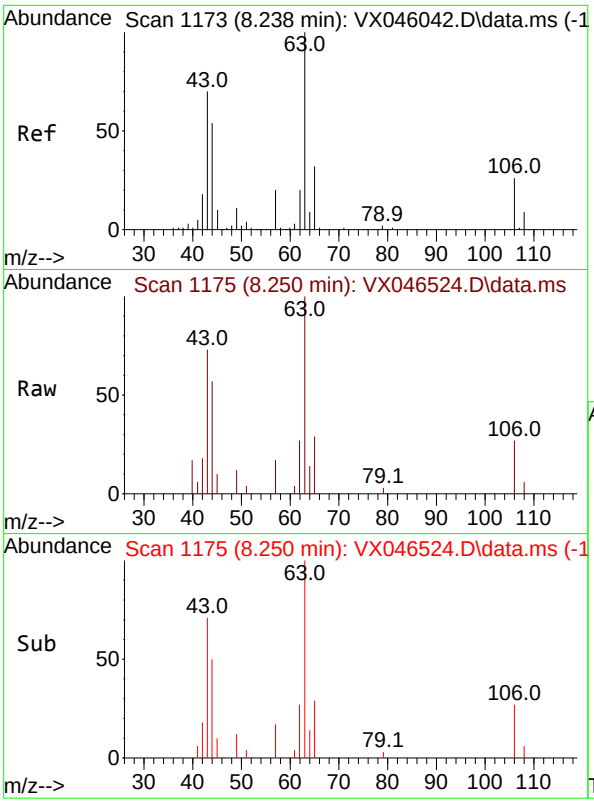


#57
1,3-Dichloropropane
Concen: 1.014 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 76 Resp: 2109

Ion	Ratio	Lower	Upper
76	100		
78	30.2	26.3	39.5

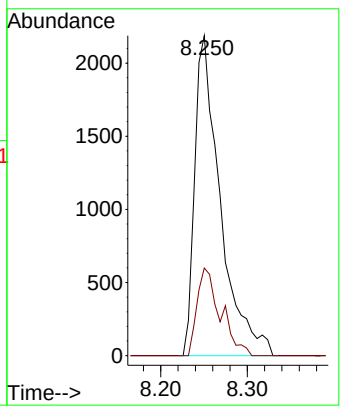




#58
2-Chloroethyl Vinyl ether
Concen: 4.540 ug/l
RT: 8.250 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 63 Resp: 448

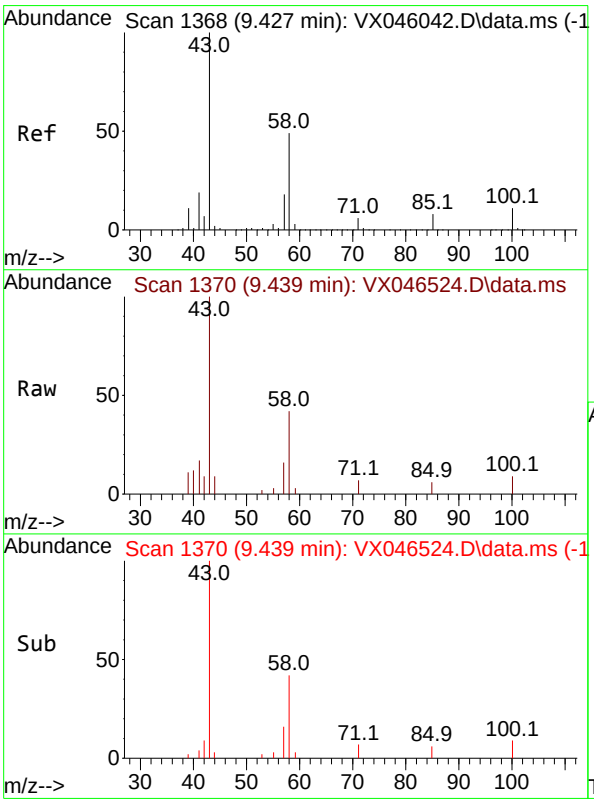
Ion	Ratio	Lower	Upper
63	100		
106	25.1	21.5	32.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

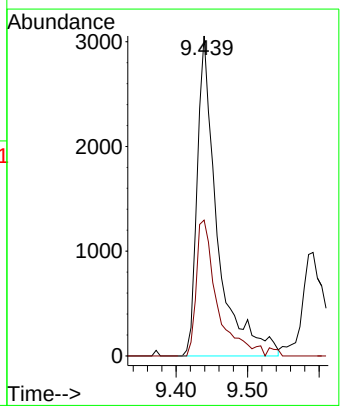
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

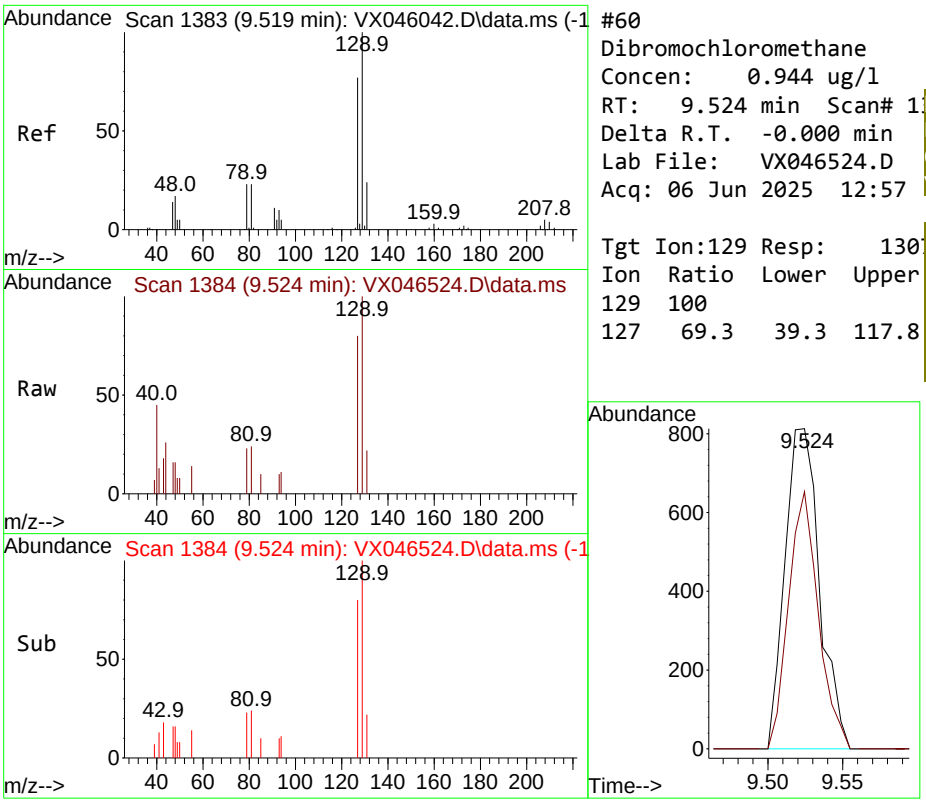


#59
2-Hexanone
Concen: 4.515 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 5937

Ion	Ratio	Lower	Upper
43	100		
58	43.8	24.9	74.6





#60
Dibromochloromethane
Concen: 0.944 ug/l
RT: 9.524 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

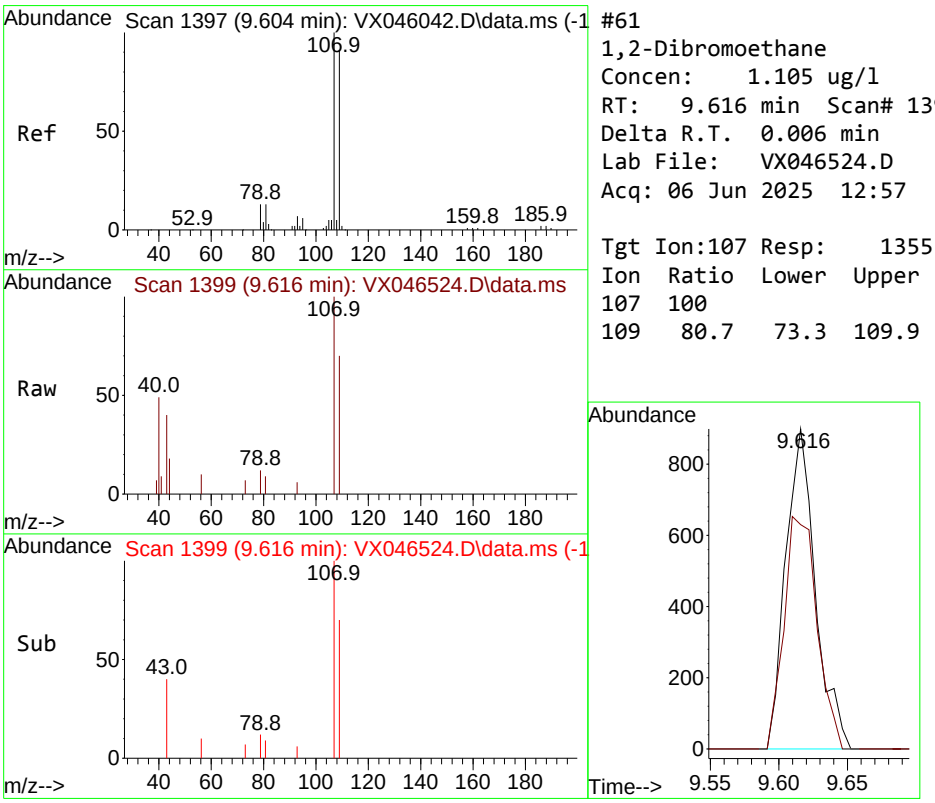
Tgt Ion:129 Resp: 130

Ion	Ratio	Lower	Upper
129	100		
127	69.3	39.3	117.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

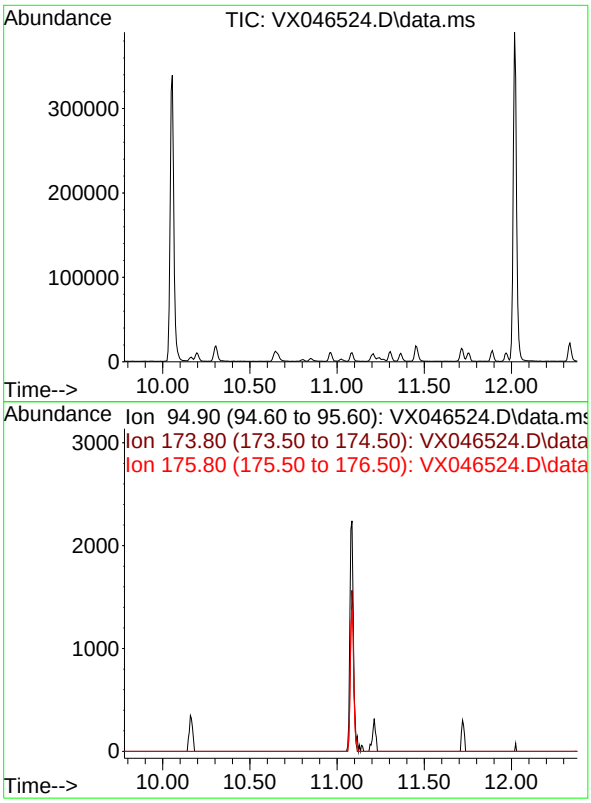
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#61
1,2-Dibromoethane
Concen: 1.105 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:107 Resp: 1355

Ion	Ratio	Lower	Upper
107	100		
109	80.7	73.3	109.9



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

Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

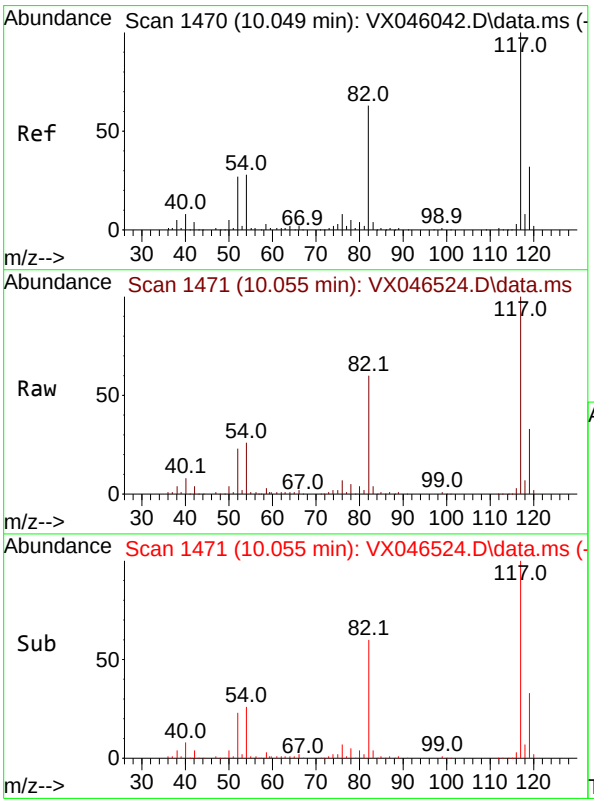
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

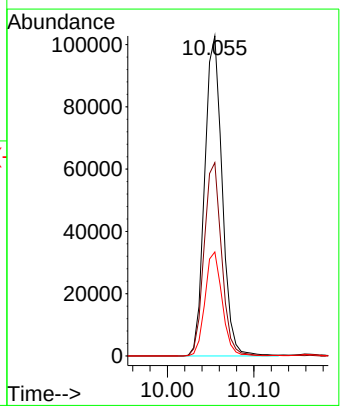
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

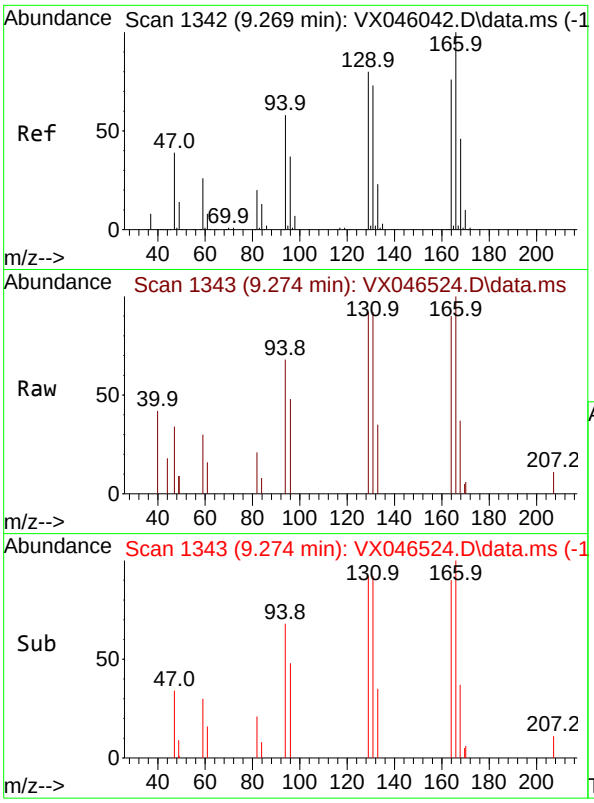


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:117 Resp: 144029

Ion	Ratio	Lower	Upper
117	100		
82	60.4	50.6	76.0
119	32.5	25.8	38.6

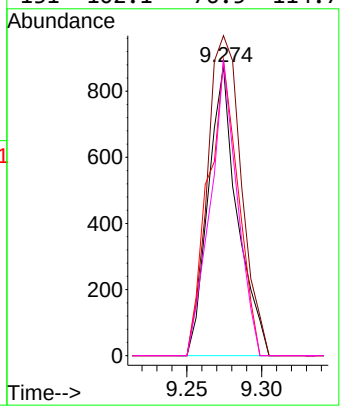




#64
Tetrachloroethene
Concen: 1.227 ug/l
RT: 9.274 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:164 Resp: 118

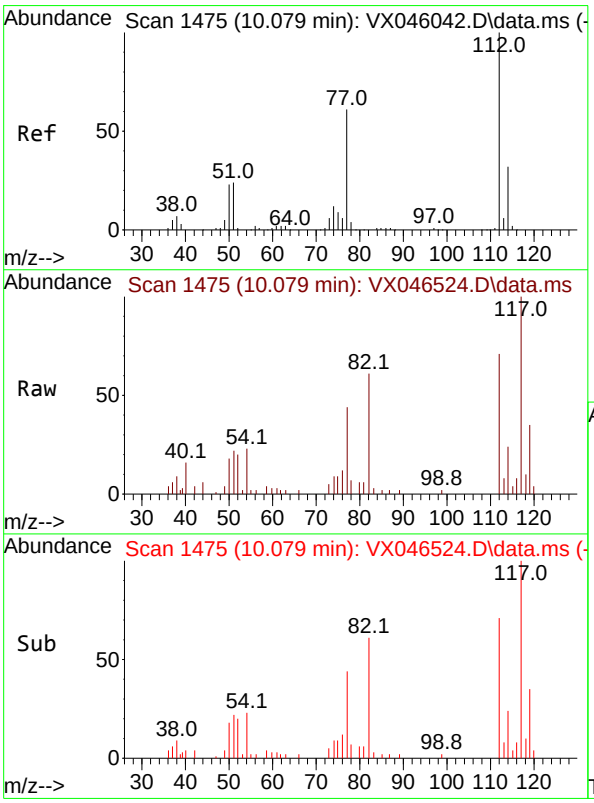
Ion	Ratio	Lower	Upper
164	100		
166	110.6	105.0	157.6
129	102.3	83.5	125.3
131	102.1	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

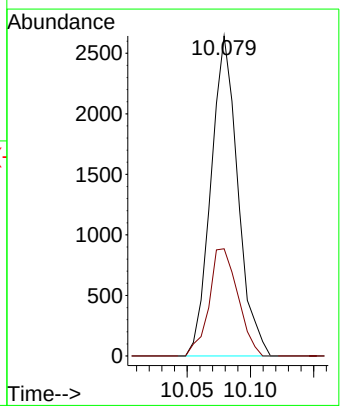
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

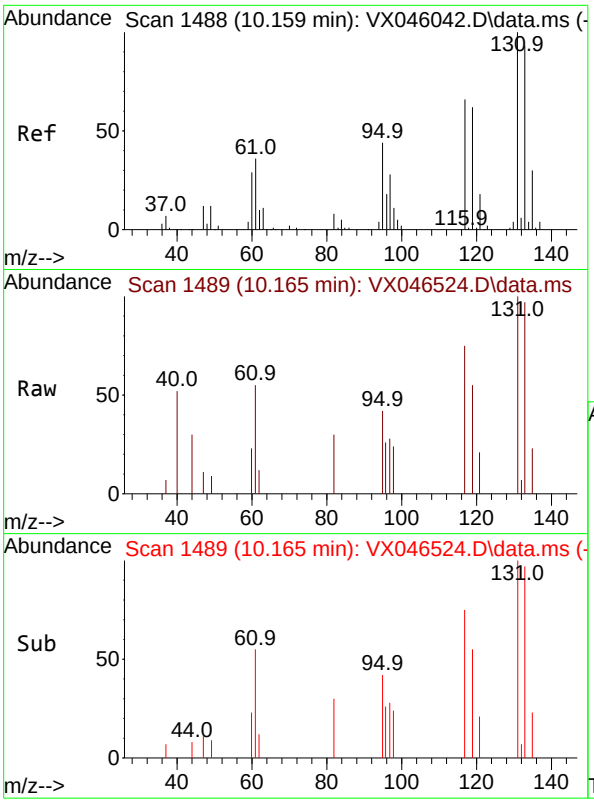


#65
Chlorobenzene
Concen: 1.153 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:112 Resp: 3905

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 10.165 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

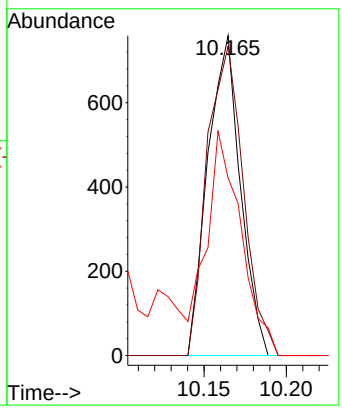
Tgt Ion:131 Resp: 104

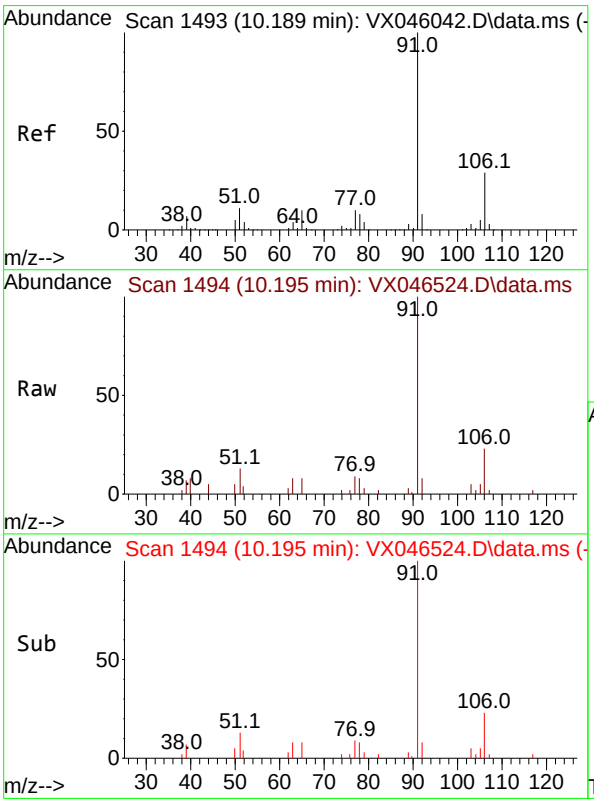
Ion	Ratio	Lower	Upper
131	100		
133	107.8	47.3	141.9
119	0.0	31.6	95.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

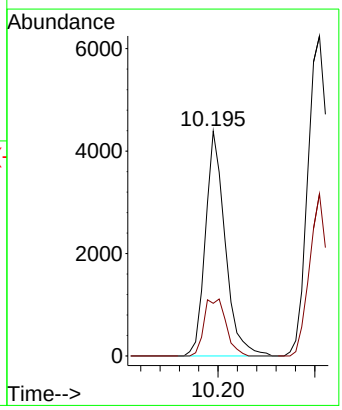


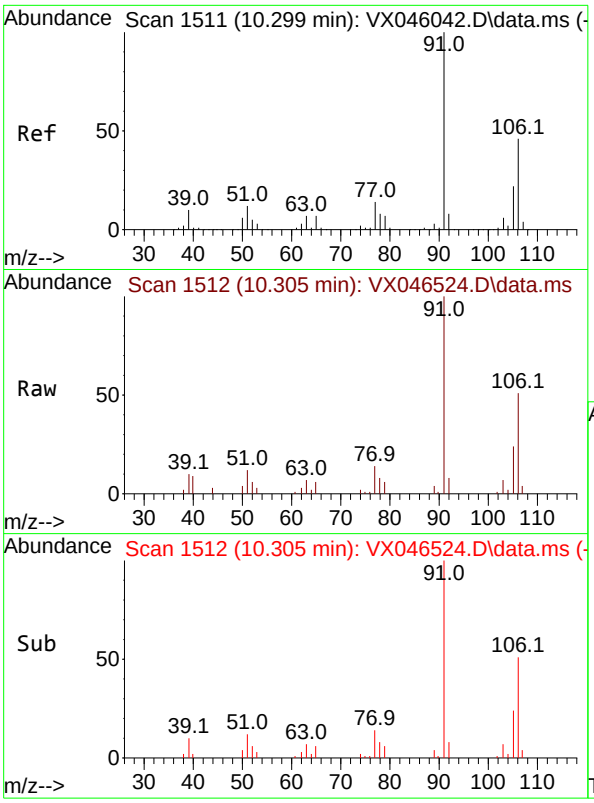


#67
Ethyl Benzene
Concen: 1.055 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 91 Resp: 6238

Ion	Ratio	Lower	Upper
91	100		
106	23.4	23.4	35.2#

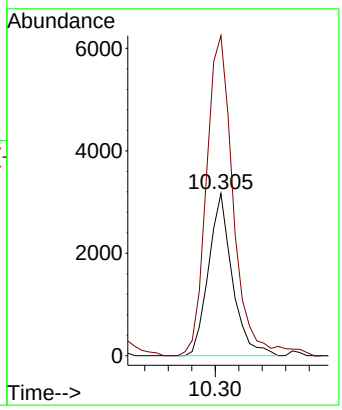




#68
m/p-Xylenes
Concen: 2.076 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:106 Resp: 445

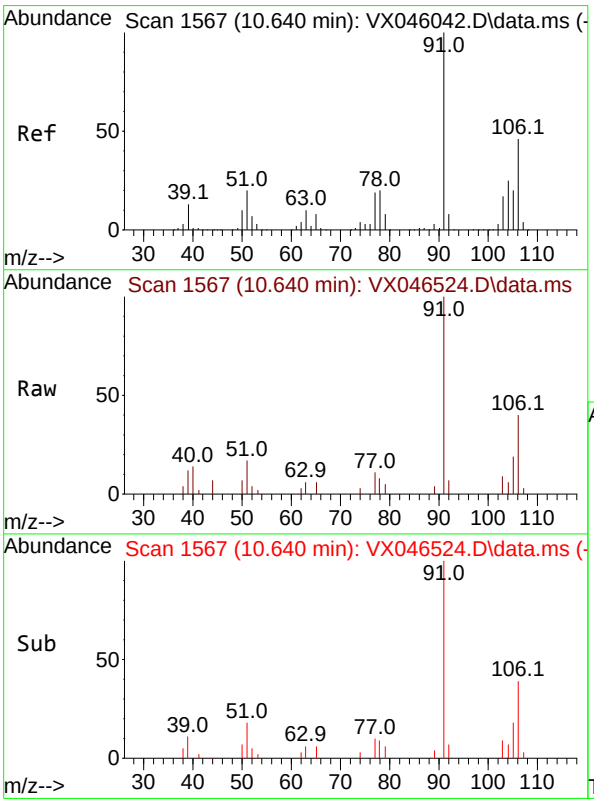
Ion	Ratio	Lower	Upper
106	100		
91	223.5	171.2	256.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

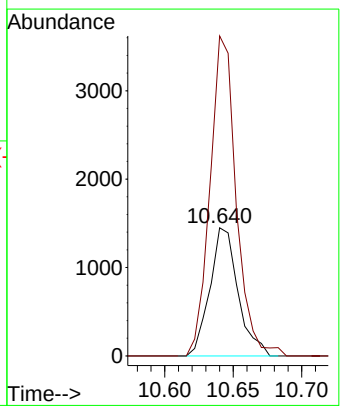
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

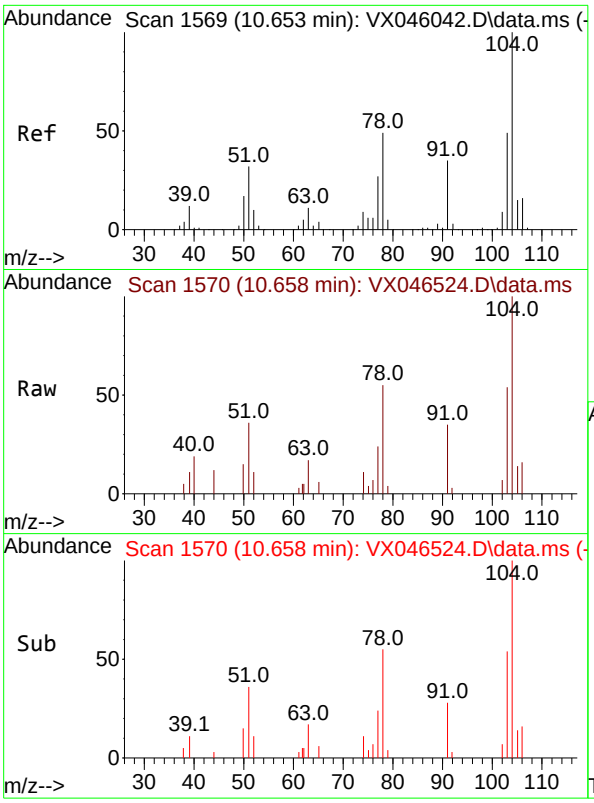


#69
o-Xylene
Concen: 0.999 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:106 Resp: 2072

Ion	Ratio	Lower	Upper
106	100		
91	232.2	112.7	338.1

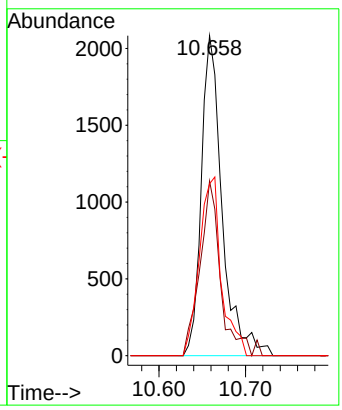




#70
Styrene
Concen: 0.980 ug/l
RT: 10.658 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:104 Resp: 348

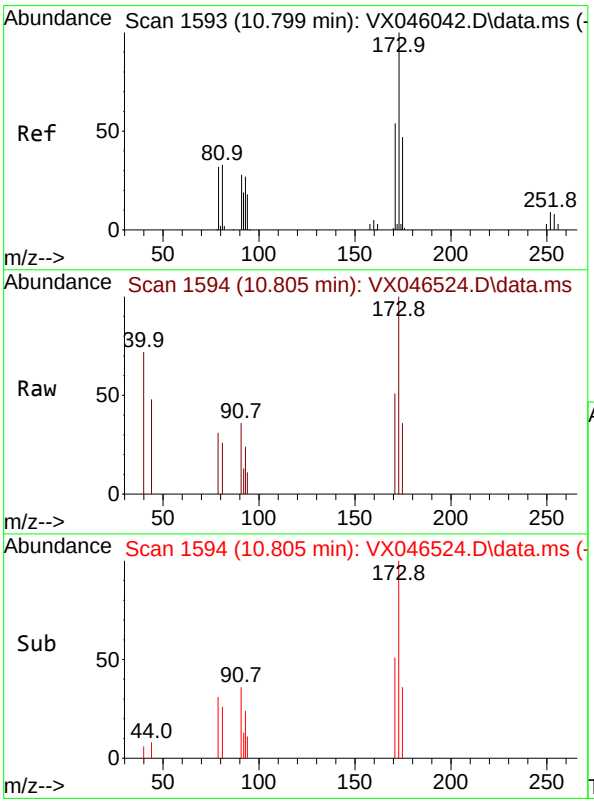
Ion	Ratio	Lower	Upper
104	100		
78	54.5	45.7	68.5
103	59.0	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

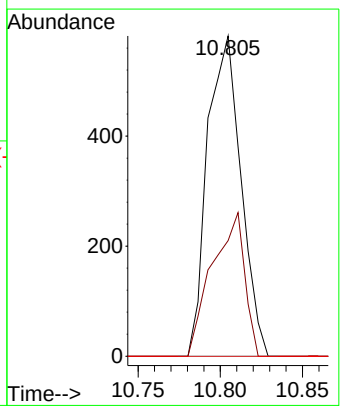
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

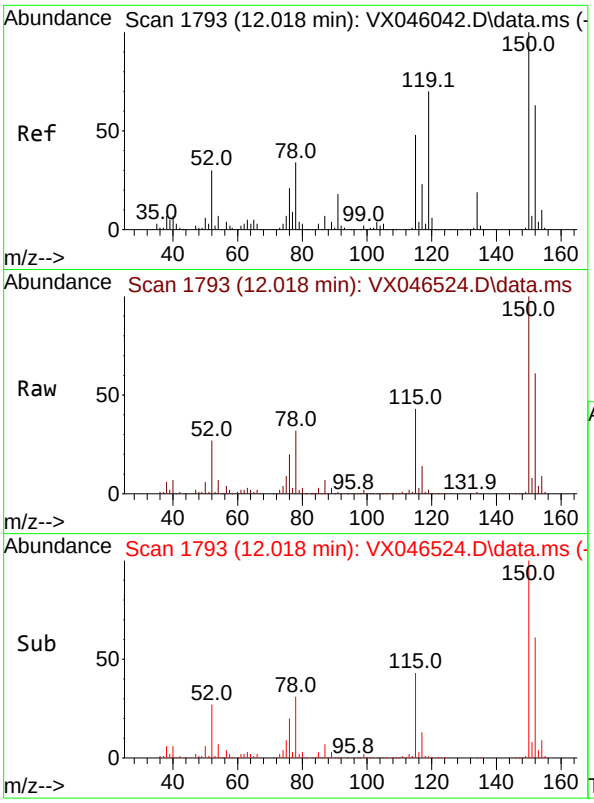


#71
Bromoform
Concen: 0.944 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:173 Resp: 824

Ion	Ratio	Lower	Upper
173	100		
175	43.4	23.4	70.0
254	0.0	0.0	0.0

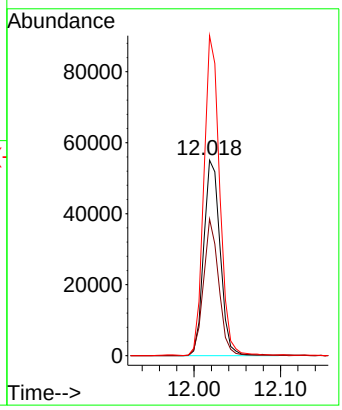




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:152 Resp: 7234

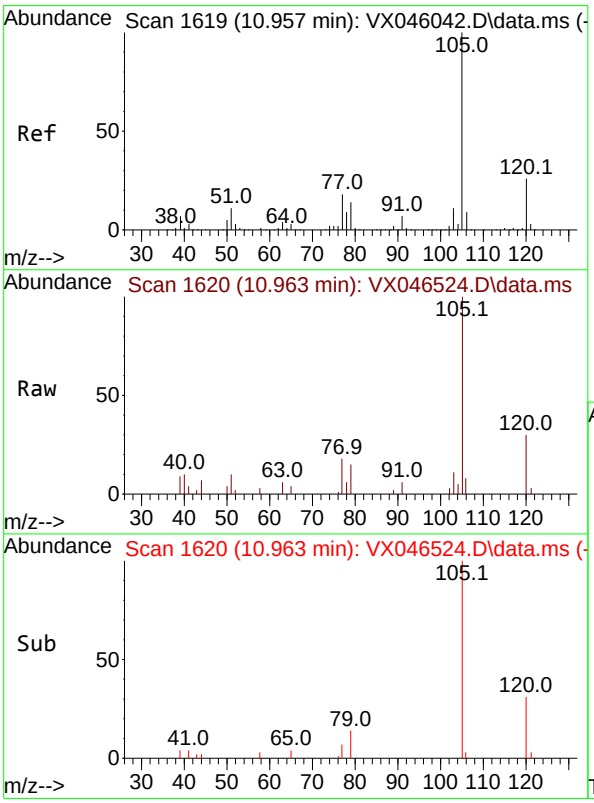
Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.5	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

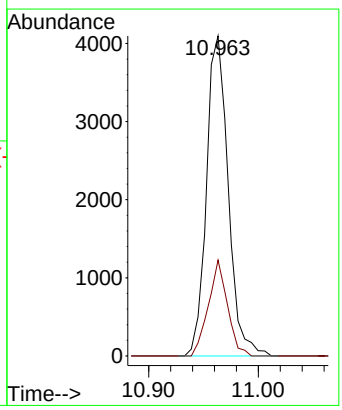
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

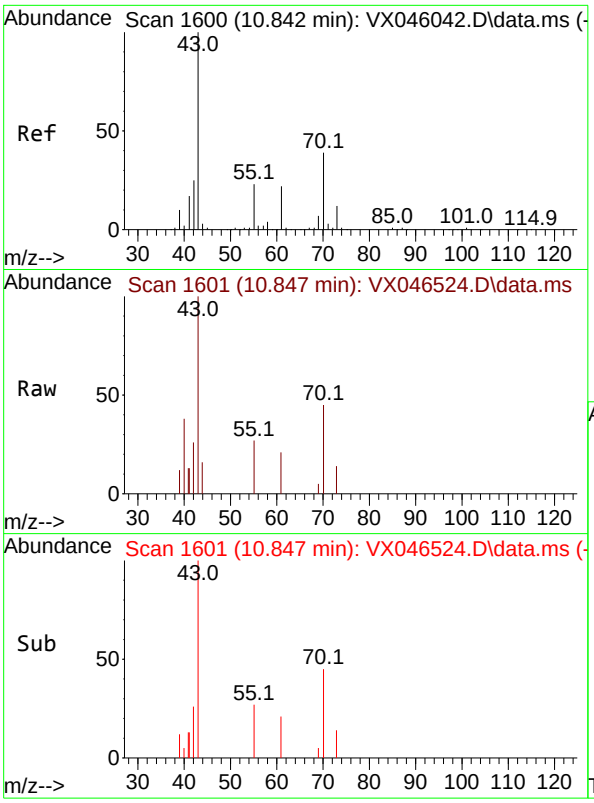


#73
Isopropylbenzene
Concen: 0.991 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:105 Resp: 5637

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.4

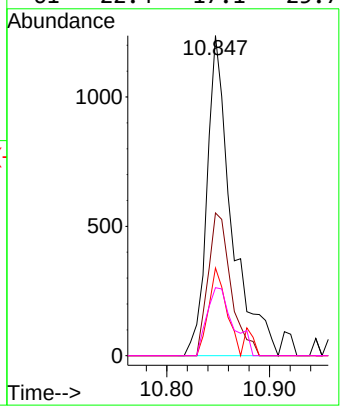




#74
N-amyl acetate
Concen: 0.823 ug/l
RT: 10.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 43 Resp: 206

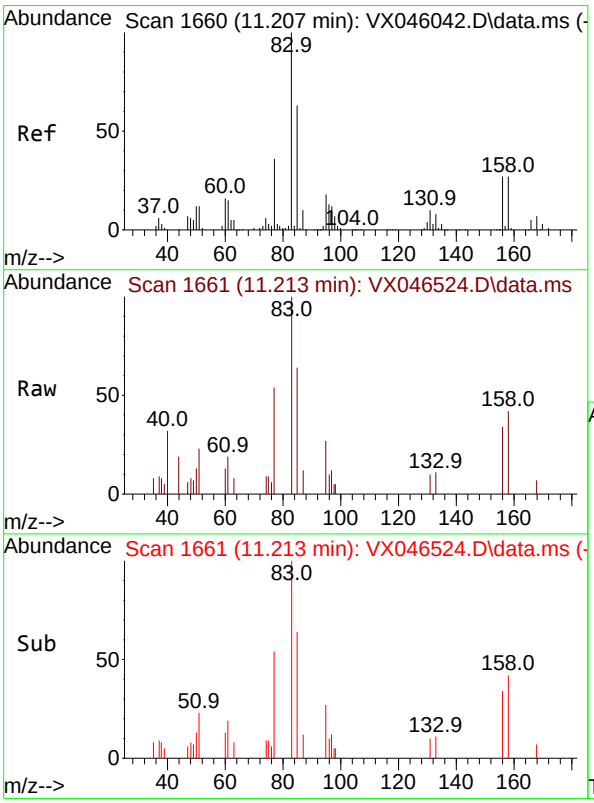
Ion	Ratio	Lower	Upper
43	100		
70	41.4	30.9	46.3
55	19.9	18.7	28.1
61	22.4	17.1	25.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

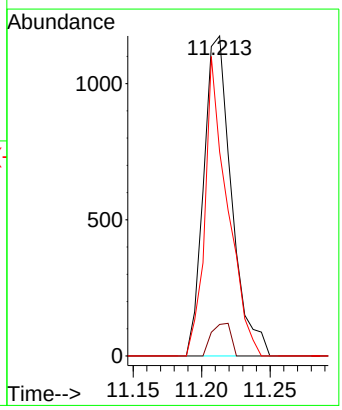
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

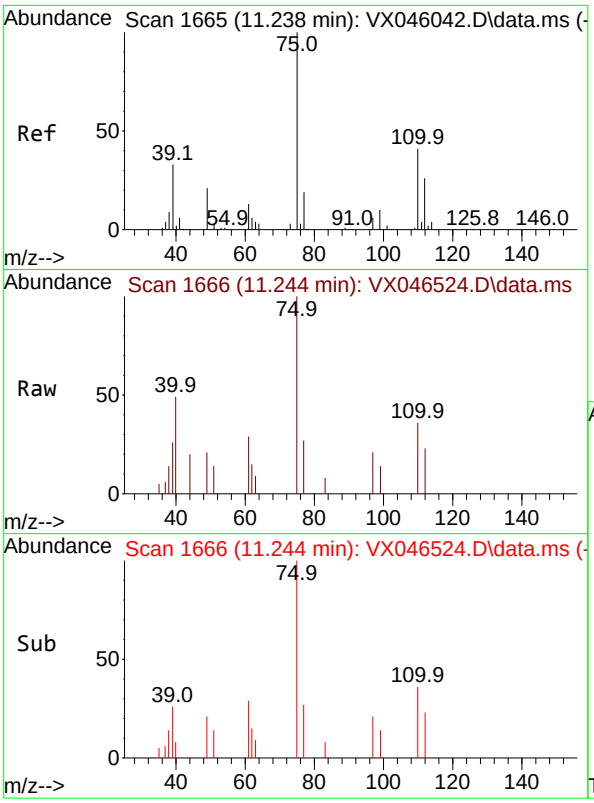


#75
1,1,2,2-Tetrachloroethane
Concen: 0.912 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 83 Resp: 1661

Ion	Ratio	Lower	Upper
83	100		
131	7.1	5.0	14.9
85	75.4	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 1.013 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

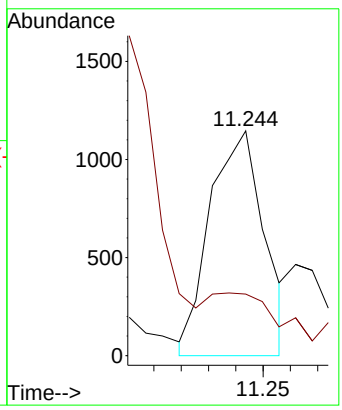
Tgt Ion: 75 Resp: 157

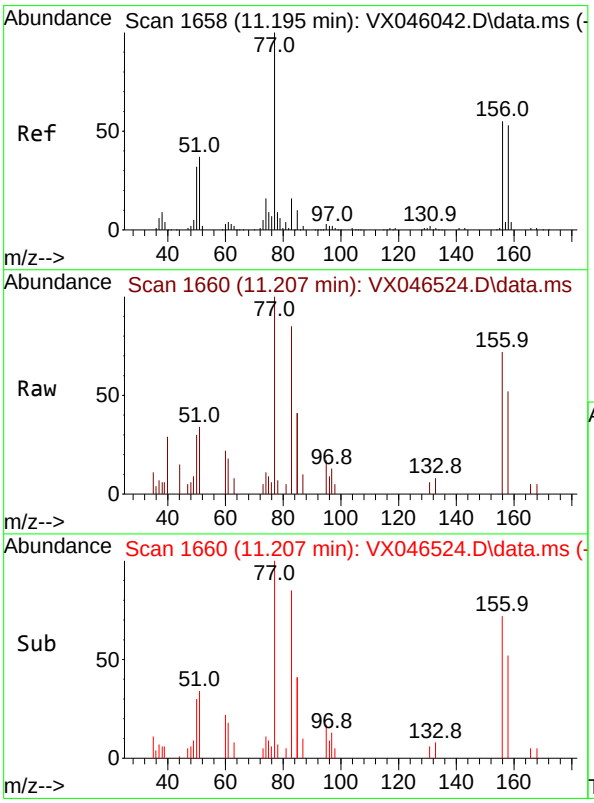
Ion	Ratio	Lower	Upper
75	100		
77	8.4	20.5	61.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

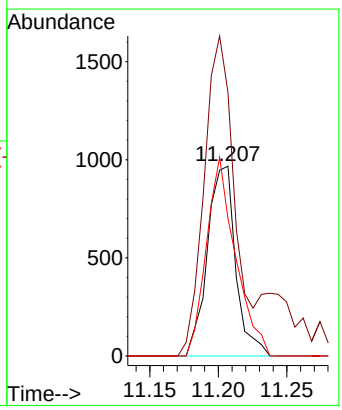


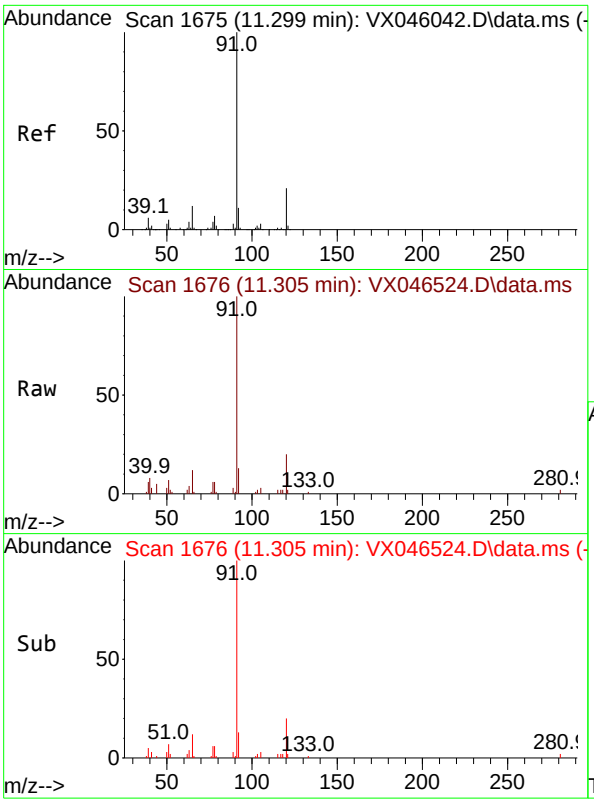


#77
Bromobenzene
Concen: 1.050 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.012 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:156 Resp: 1386

Ion	Ratio	Lower	Upper
156	100		
77	179.7	92.8	278.3
158	107.9	48.8	146.3





#78
n-propylbenzene
Concen: 1.062 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

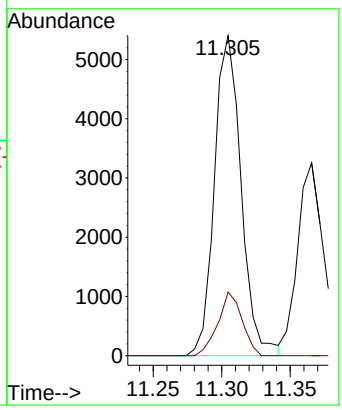
Tgt Ion: 91 Resp: 730

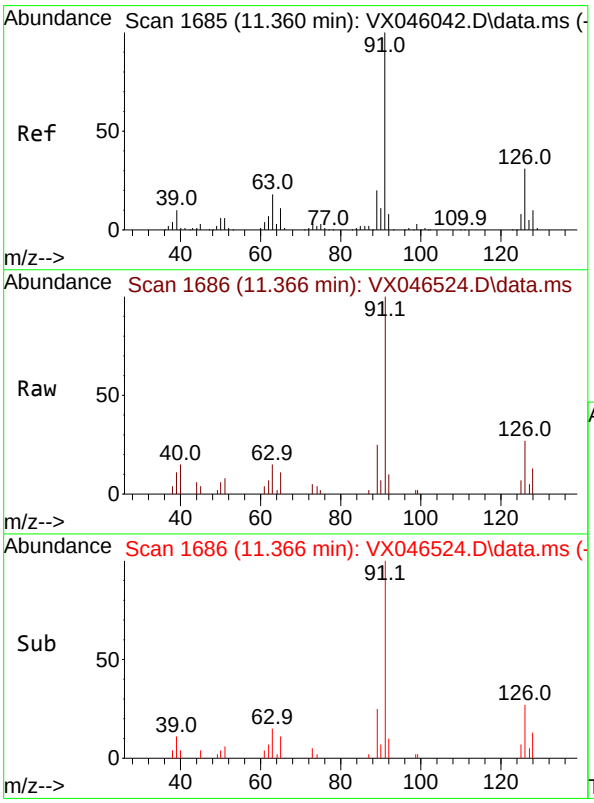
Ion	Ratio	Lower	Upper
91	100		
120	18.0	10.8	32.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

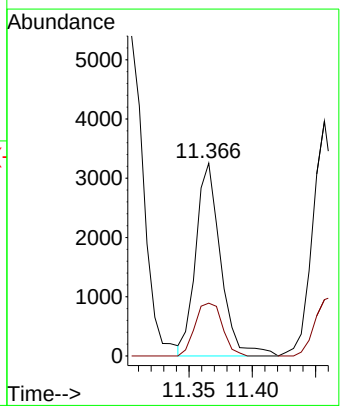


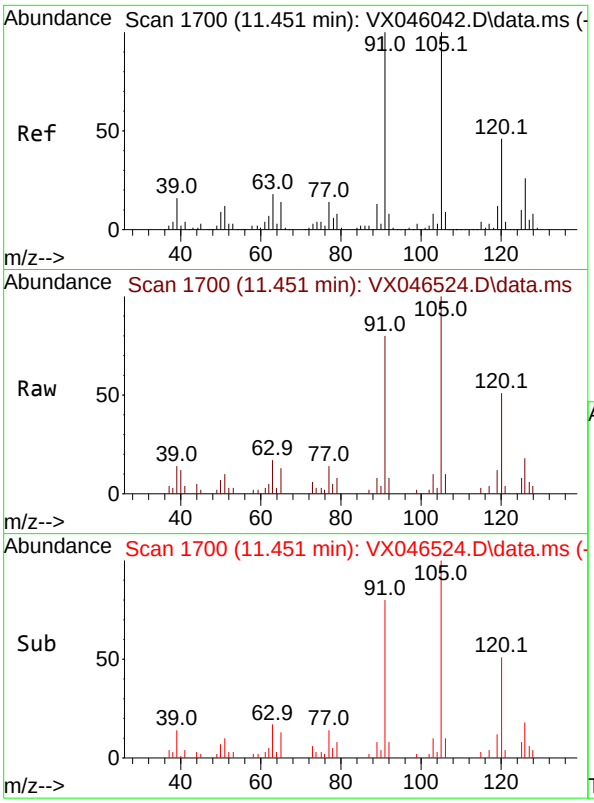


#79
2-Chlorotoluene
Concen: 1.076 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 91 Resp: 4466

Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.6	46.7

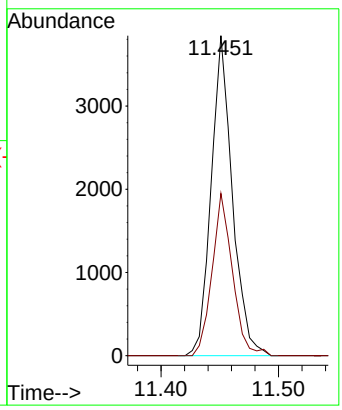




#80
1,3,5-Trimethylbenzene
Concen: 1.014 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:105 Resp: 480

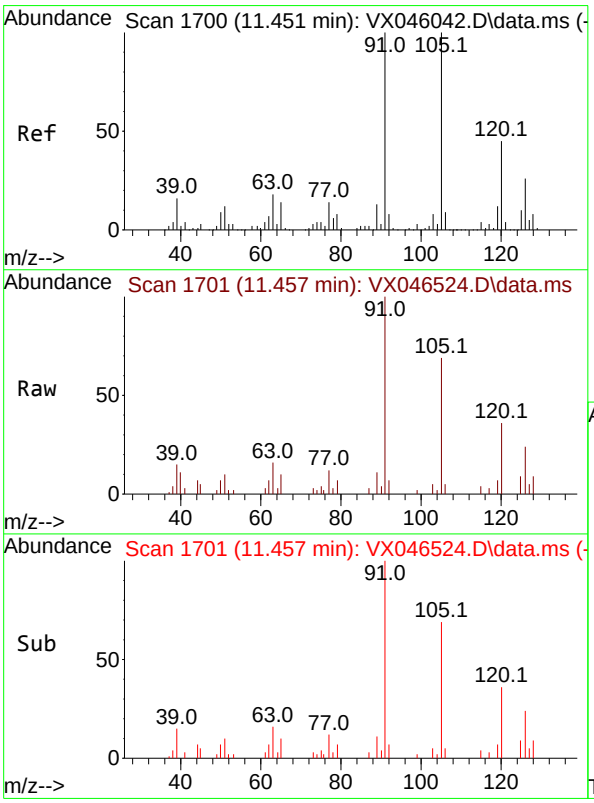
Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.1	69.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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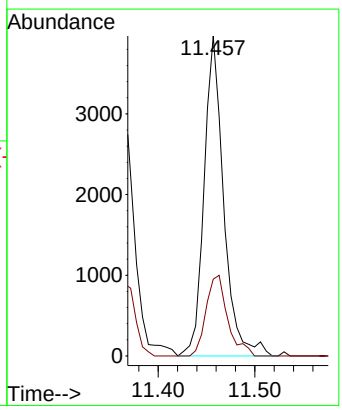
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

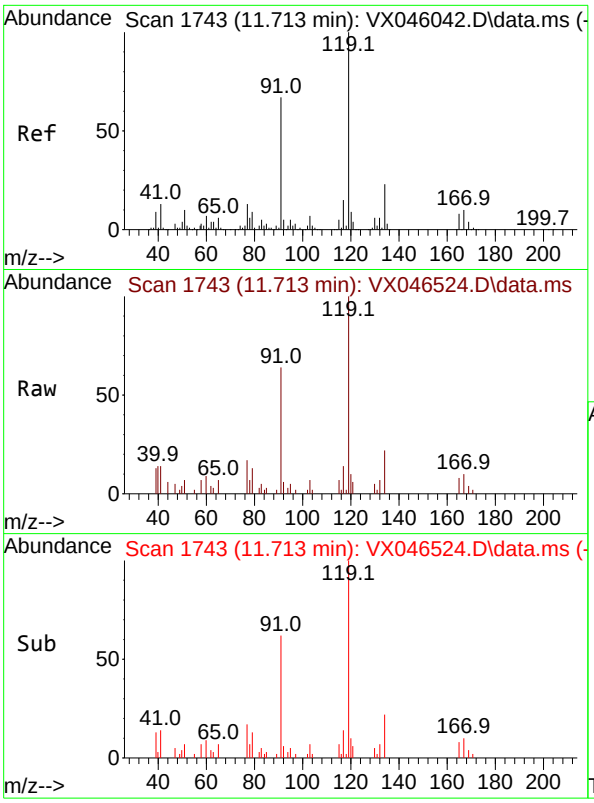


#82
4-Chlorotoluene
Concen: 1.139 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 91 Resp: 5603

Ion	Ratio	Lower	Upper
91	100		
126	27.6	13.3	39.8

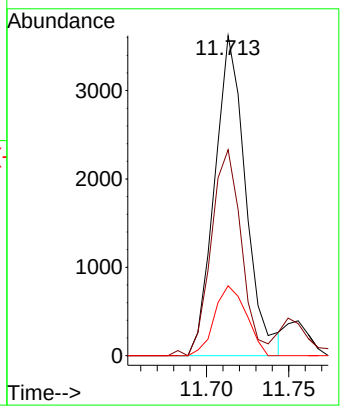




#83
tert-Butylbenzene
Concen: 0.985 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:119 Resp: 475

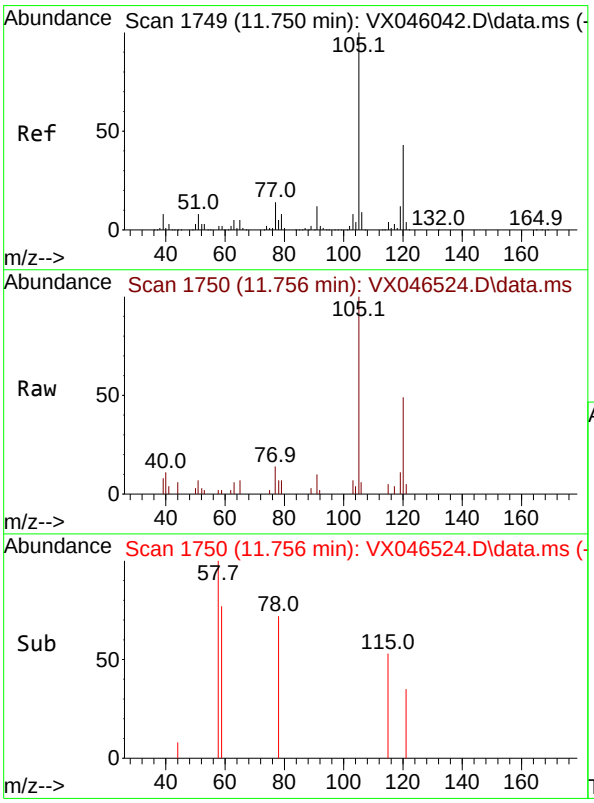
Ion	Ratio	Lower	Upper
119	100		
91	63.1	32.9	98.7
134	22.4	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

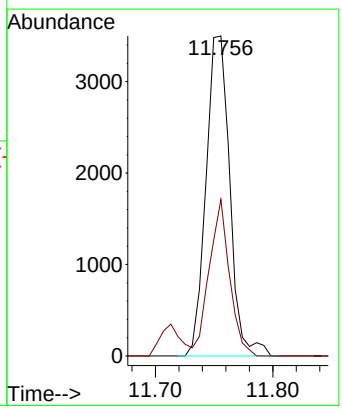
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

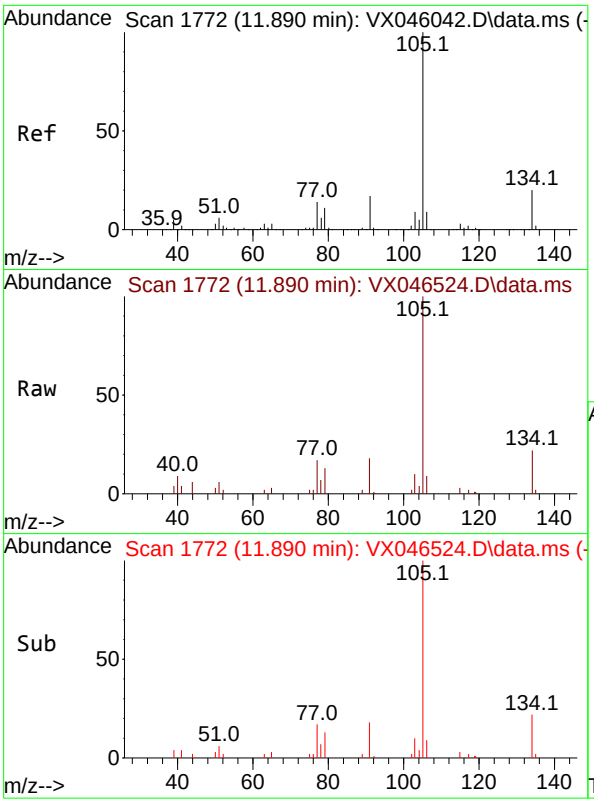


#84
1,2,4-Trimethylbenzene
Concen: 1.028 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:105 Resp: 4928

Ion	Ratio	Lower	Upper
105	100		
120	41.7	21.2	63.6

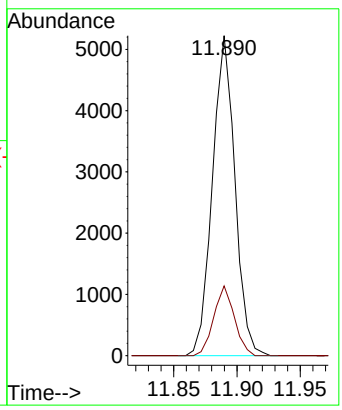




#85
sec-Butylbenzene
Concen: 1.041 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:105 Resp: 645

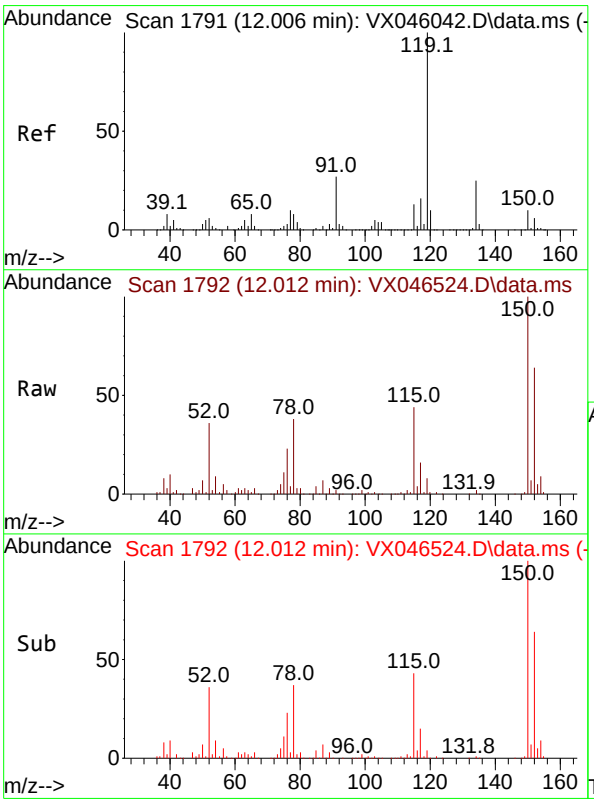
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

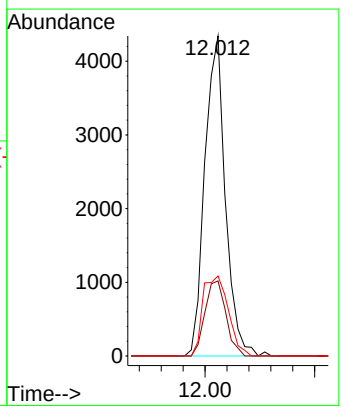
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

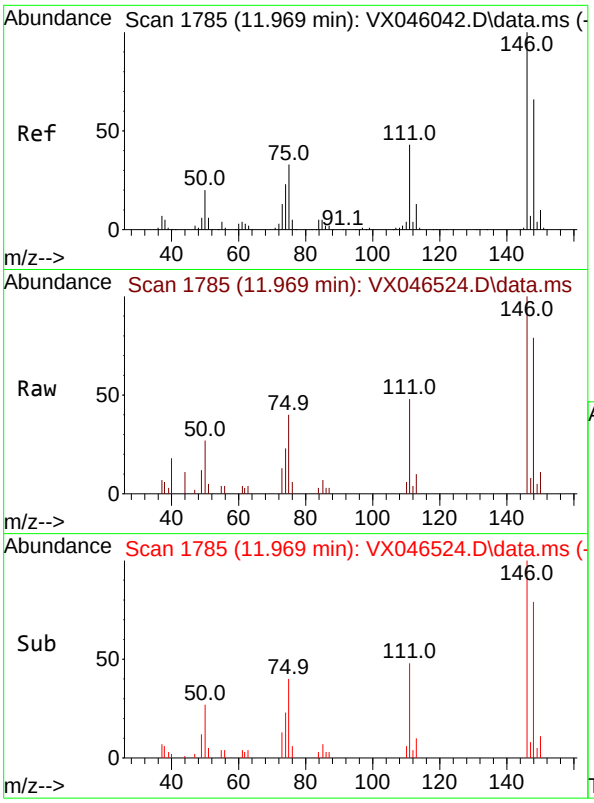


#86
p-Isopropyltoluene
Concen: 1.095 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:119 Resp: 5657

Ion	Ratio	Lower	Upper
119	100		
134	23.9	12.5	37.5
91	30.9	13.8	41.4

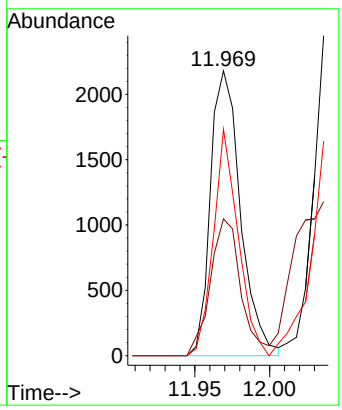




#87
1,3-Dichlorobenzene
Concen: 1.188 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:146 Resp: 304

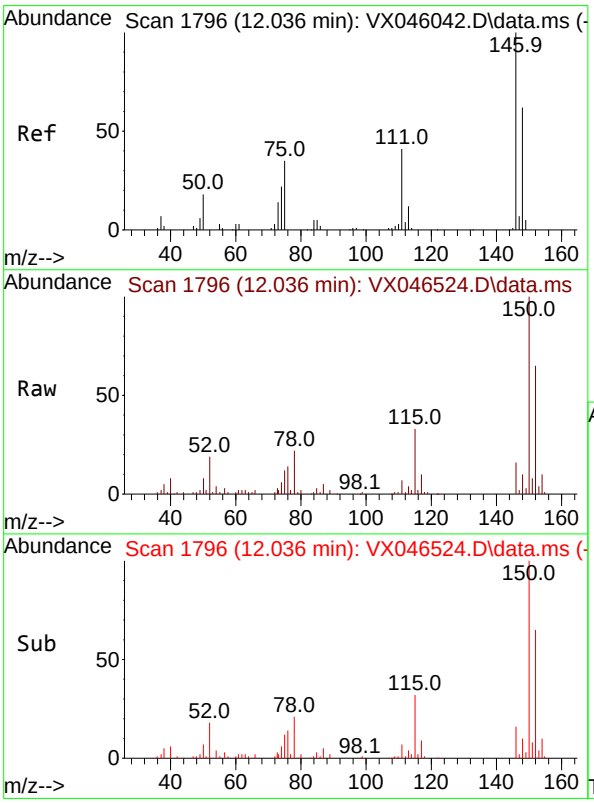
Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.1	66.3
148	65.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

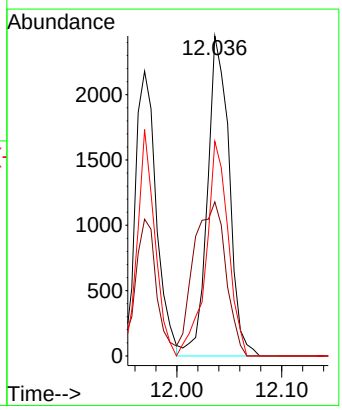
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

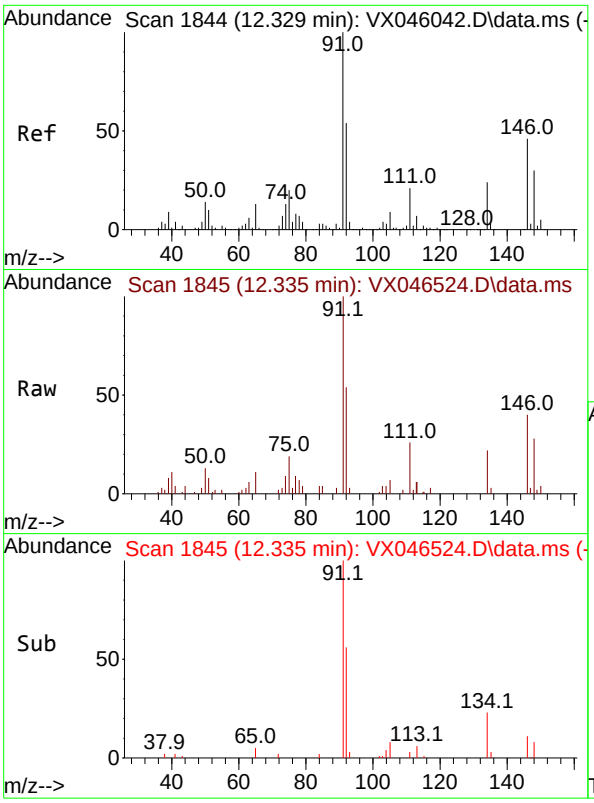


#88
1,4-Dichlorobenzene
Concen: 1.319 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:146 Resp: 3503

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	56.9	31.9	95.5

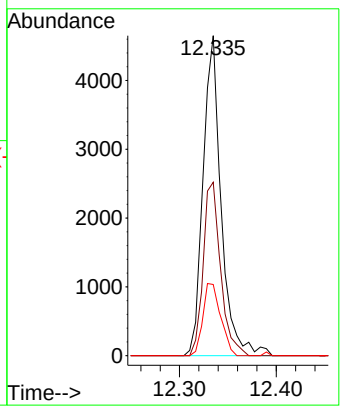




#89
n-Butylbenzene
Concen: 1.197 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 91 Resp: 607

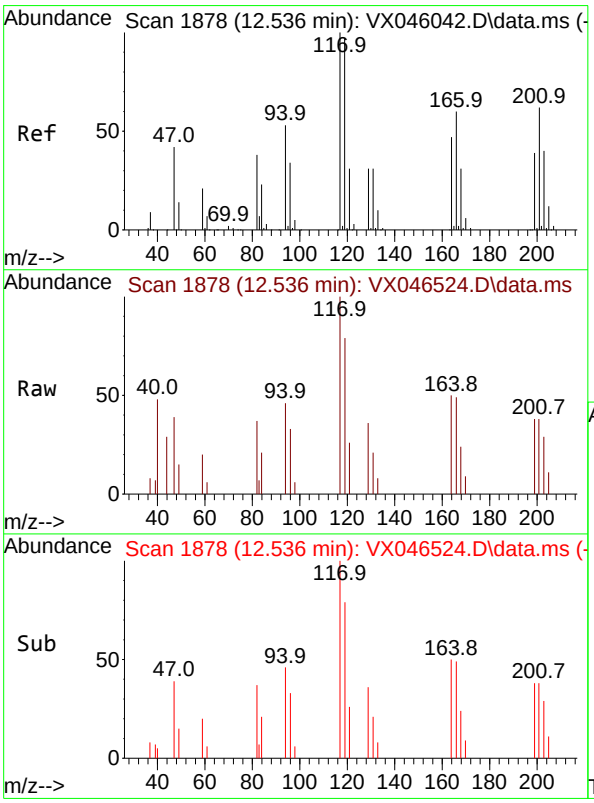
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.9	80.7
134	22.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

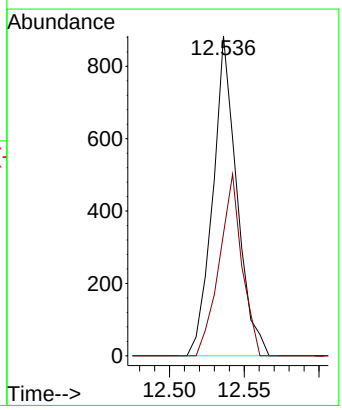
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

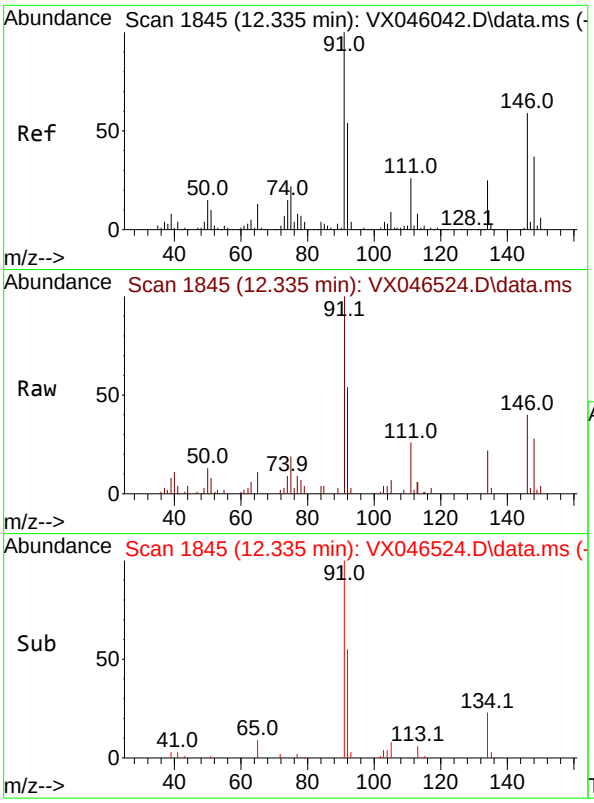


#90
Hexachloroethane
Concen: 1.075 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:117 Resp: 987

Ion	Ratio	Lower	Upper
117	100		
201	53.5	31.6	94.7

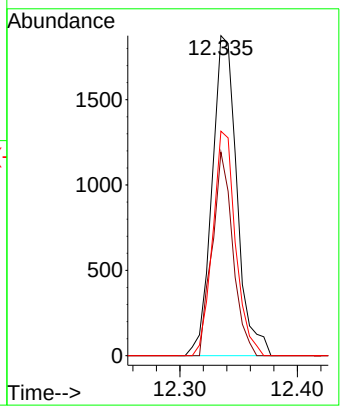




#91
1,2-Dichlorobenzene
Concen: 1.116 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:146 Resp: 276

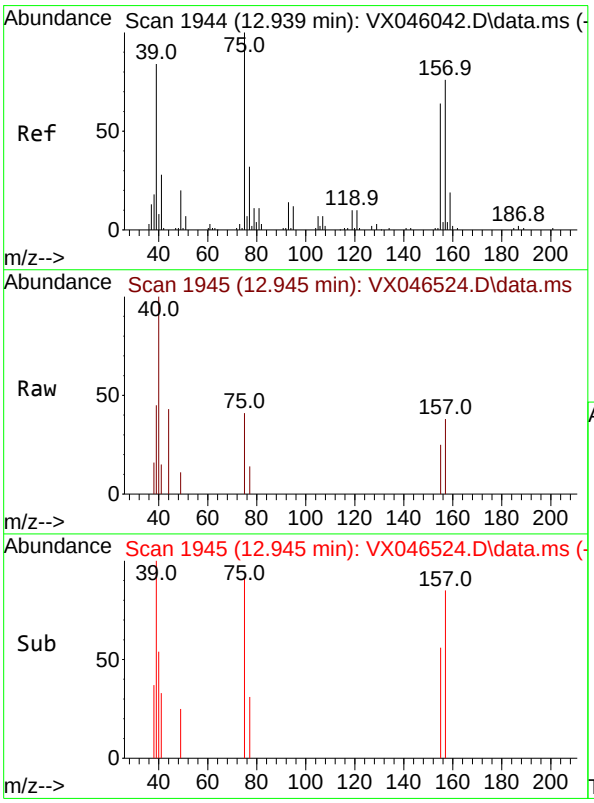
Ion	Ratio	Lower	Upper
146	100		
111	52.6	22.4	67.3
148	64.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

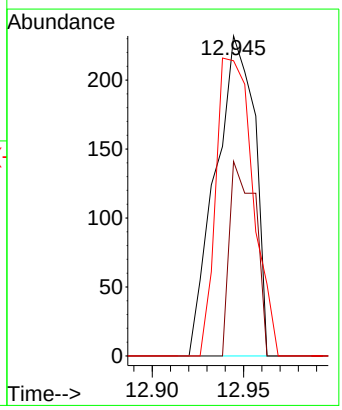
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

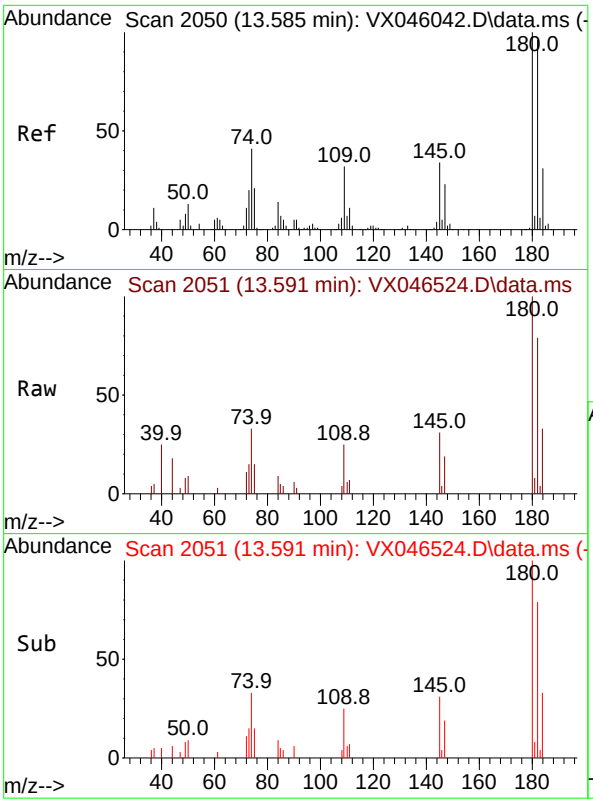


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.846 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion: 75 Resp: 345

Ion	Ratio	Lower	Upper
75	100		
155	40.0	34.9	104.8
157	88.1	43.8	131.4

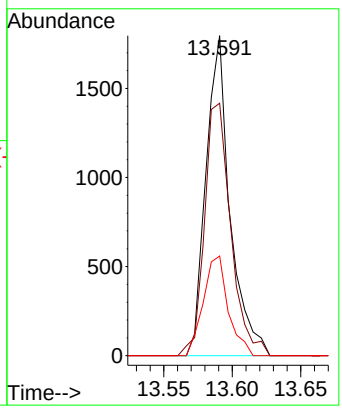




#93
1,2,4-Trichlorobenzene
Concen: 1.297 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:180 Resp: 218

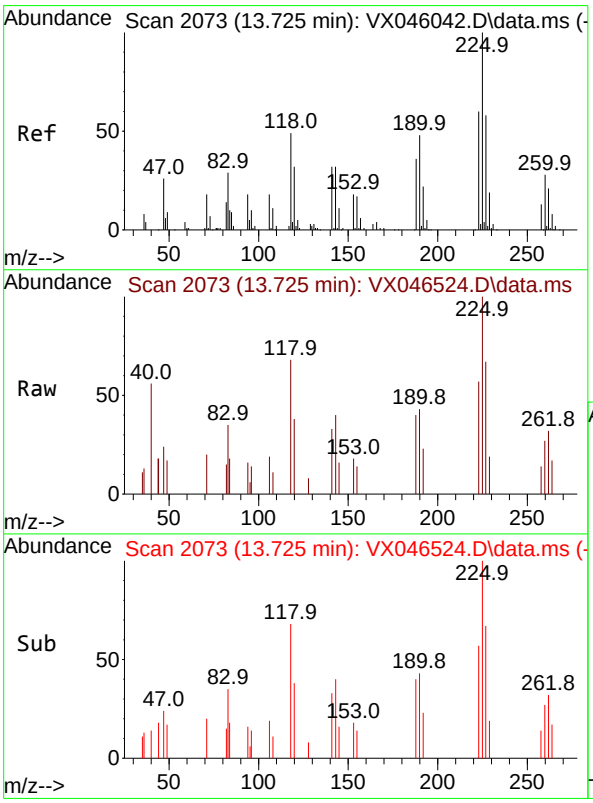
Ion	Ratio	Lower	Upper
180	100		
182	86.2	47.9	143.8
145	32.3	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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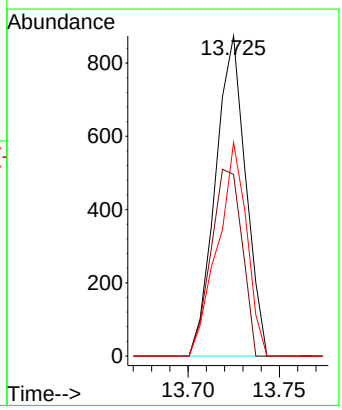
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

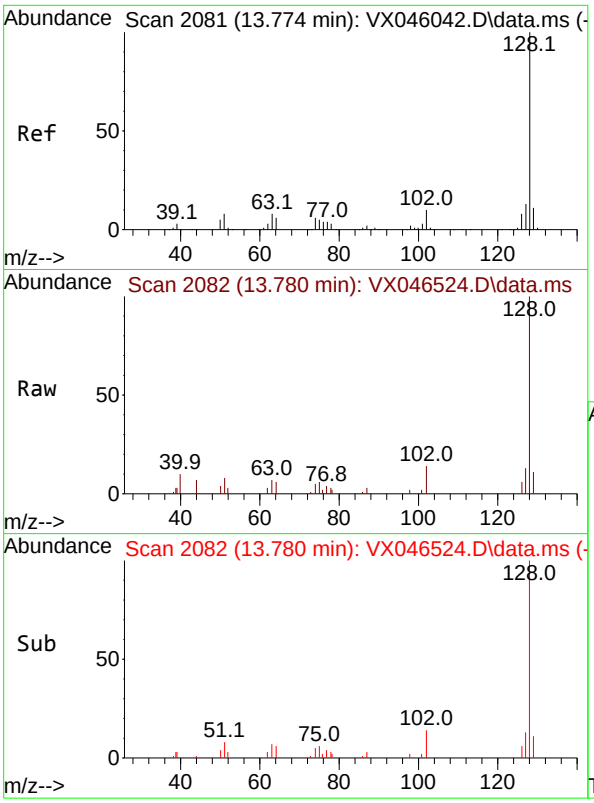


#94
Hexachlorobutadiene
Concen: 1.283 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:225 Resp: 1006

Ion	Ratio	Lower	Upper
225	100		
223	59.9	30.8	92.4
227	64.2	30.9	92.7

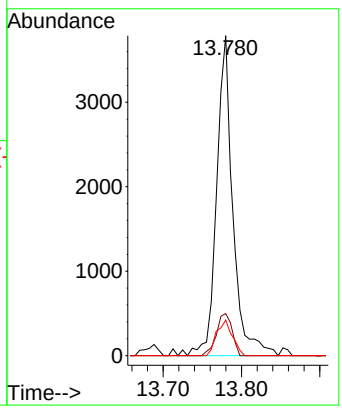




#95
Naphthalene
Concen: 1.023 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:128 Resp: 547

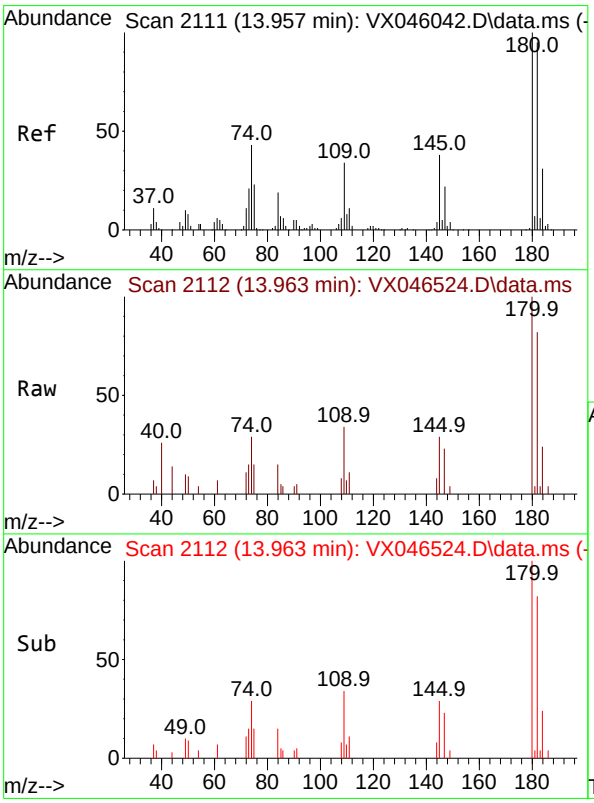
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

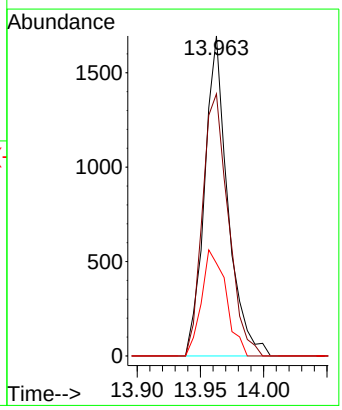
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.283 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046524.D
Acq: 06 Jun 2025 12:57

Tgt Ion:180 Resp: 2171

Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.8	143.3
145	34.9	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	87638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	151058	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	132539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78349	50.250	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.500%			
35) Dibromofluoromethane	5.391	113	56698	51.039	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.647	98	183212	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	75584	49.880	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	59758	49.116	ug/l	98
3) Chloromethane	1.307	50	53337	48.162	ug/l	98
4) Vinyl Chloride	1.386	62	54649	49.502	ug/l	99
5) Bromomethane	1.618	94	34113	50.900	ug/l	93
6) Chloroethane	1.697	64	33633	46.955	ug/l	93
7) Trichlorofluoromethane	1.898	101	90940	49.788	ug/l	100
8) Diethyl Ether	2.142	74	32152	49.819	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	57034	49.561	ug/l	97
10) Methyl Iodide	2.465	142	67786	54.338	ug/l	100
11) Tert butyl alcohol	2.965	59	47374	273.823	ug/l	99
12) 1,1-Dichloroethene	2.331	96	51107	49.119	ug/l	99
13) Acrolein	2.246	56	51802	247.857	ug/l	98
14) Allyl chloride	2.678	41	105373	51.566	ug/l	94
15) Acrylonitrile	3.069	53	174229	266.347	ug/l	98
16) Acetone	2.386	43	157823	257.624	ug/l	99
17) Carbon Disulfide	2.526	76	110616	50.069	ug/l	98
18) Methyl Acetate	2.715	43	106595	57.396	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	195706	53.754	ug/l	98
20) Methylene Chloride	2.800	84	60058	48.013	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	52668	47.832	ug/l	96
22) Diisopropyl ether	3.770	45	212853	52.834	ug/l #	80
23) Vinyl Acetate	3.727	43	827531	266.053	ug/l	99
24) 1,1-Dichloroethane	3.617	63	115021	51.227	ug/l	98
25) 2-Butanone	4.562	43	232201	267.525	ug/l	99
26) 2,2-Dichloropropane	4.483	77	89180	53.502	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	66779	49.265	ug/l	99
28) Bromochloromethane	4.904	49	52893	49.390	ug/l	99
29) Tetrahydrofuran	5.013	42	146302	266.904	ug/l	98
30) Chloroform	5.099	83	119994	51.004	ug/l	95
31) Cyclohexane	5.477	56	88988	49.093	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	103945	51.651	ug/l	97
36) 1,1-Dichloropropene	5.696	75	75696	47.703	ug/l	99
37) Ethyl Acetate	4.721	43	90139	58.203	ug/l	99
38) Carbon Tetrachloride	5.684	117	87750	49.372	ug/l	96
39) Methylcyclohexane	7.385	83	89168	47.608	ug/l	99
40) Benzene	6.044	78	221890	49.672	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	54128	56.282	ug/l		97
42) 1,2-Dichloroethane	6.092	62	94588	50.897	ug/l		99
43) Isopropyl Acetate	6.342	43	146579	54.290	ug/l		100
44) Trichloroethene	7.129	130	54213	47.764	ug/l		96
45) 1,2-Dichloropropane	7.434	63	59286	51.417	ug/l		99
46) Dibromomethane	7.586	93	44071	50.807	ug/l		99
47) Bromodichloromethane	7.824	83	94362	52.906	ug/l		97
48) Methyl methacrylate	7.696	41	76134	54.806	ug/l		97
49) 1,4-Dioxane	7.659	88	20118	1082.971	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	466259	271.760	ug/l		100
52) Toluene	8.714	92	136448	49.719	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	85596	53.526	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	92273	51.896	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	57283	51.993	ug/l		98
56) Ethyl methacrylate	9.116	69	92299	54.440	ug/l		97
57) 1,3-Dichloropropane	9.305	76	98748	50.718	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	240616	260.553	ug/l		100
59) 2-Hexanone	9.427	43	337353	274.165	ug/l		99
60) Dibromochloromethane	9.519	129	68814	53.100	ug/l		97
61) 1,2-Dibromoethane	9.610	107	57046	49.689	ug/l		96
64) Tetrachloroethene	9.275	164	42310	47.739	ug/l		97
65) Chlorobenzene	10.080	112	154357	49.518	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55536	52.723	ug/l		100
67) Ethyl Benzene	10.195	91	273659	50.288	ug/l		98
68) m/p-Xylenes	10.299	106	199258	100.941	ug/l		99
69) o-Xylene	10.640	106	97151	50.882	ug/l		99
70) Styrene	10.653	104	169628	51.899	ug/l		100
71) Bromoform	10.799	173	42728	53.200	ug/l	#	99
73) Isopropylbenzene	10.957	105	266347	51.765	ug/l		100
74) N-amyl acetate	10.842	43	125656	55.456	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86308	52.405	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73842m	53.262	ug/l		
77) Bromobenzene	11.195	156	60607	50.748	ug/l		98
78) n-propylbenzene	11.305	91	316743	50.860	ug/l		100
79) 2-Chlorotoluene	11.360	91	191582	51.014	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	221291	51.612	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26534	55.208	ug/l		97
82) 4-Chlorotoluene	11.451	91	224207	50.368	ug/l		99
83) tert-Butylbenzene	11.713	119	226613	51.919	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	223226	51.464	ug/l		99
85) sec-Butylbenzene	11.890	105	284027	50.644	ug/l		100
86) p-Isopropyltoluene	12.006	119	237583	50.815	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	114034	49.171	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	114838	47.788	ug/l		99
89) n-Butylbenzene	12.329	91	232333	50.601	ug/l		100
90) Hexachloroethane	12.536	117	42498	51.141	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111587	49.847	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20611	55.886	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	75169	49.224	ug/l		99
94) Hexachlorobutadiene	13.725	225	33512	47.222	ug/l		98
95) Naphthalene	13.774	128	257845	53.245	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75157	49.082	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

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

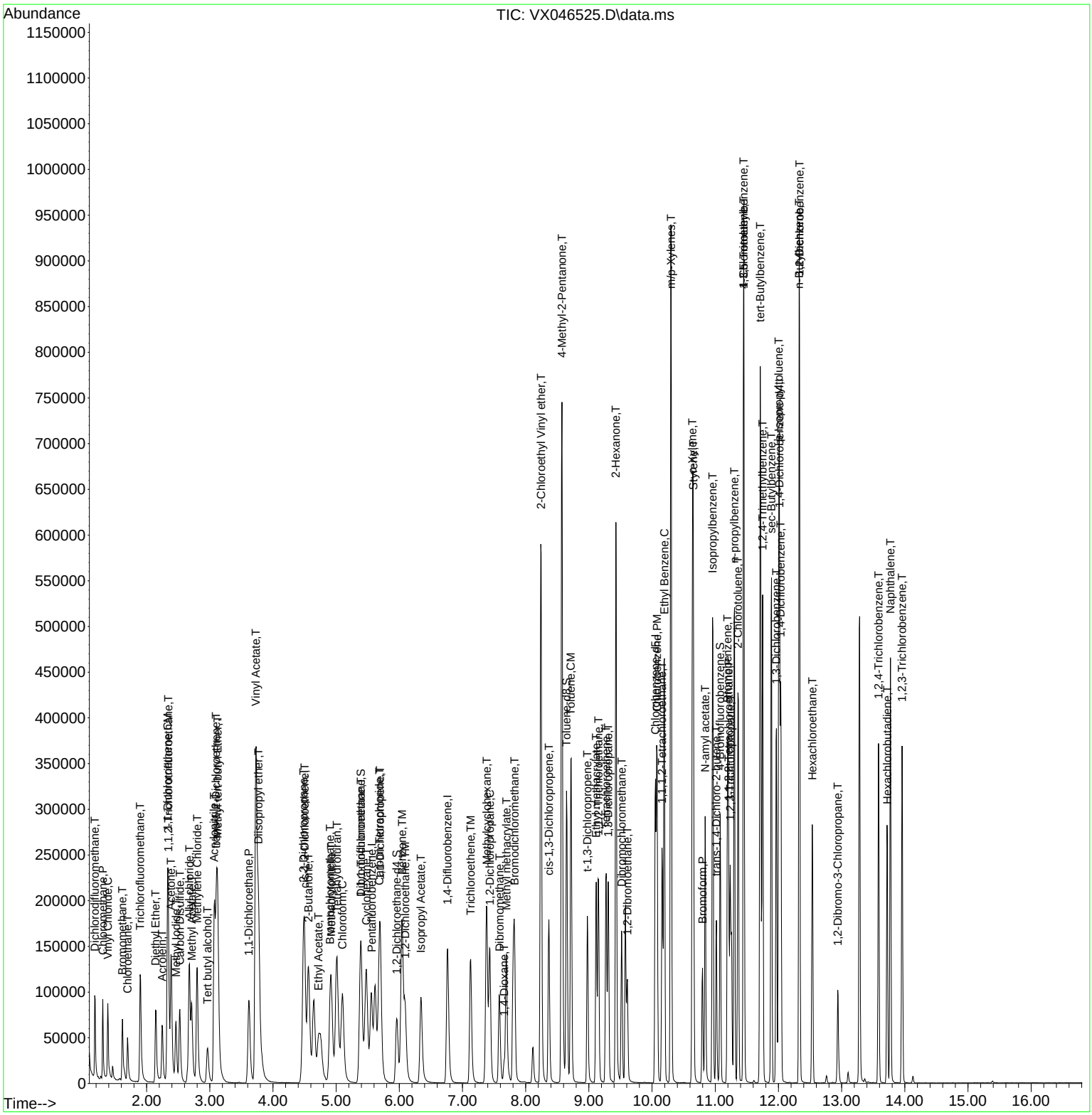
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Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

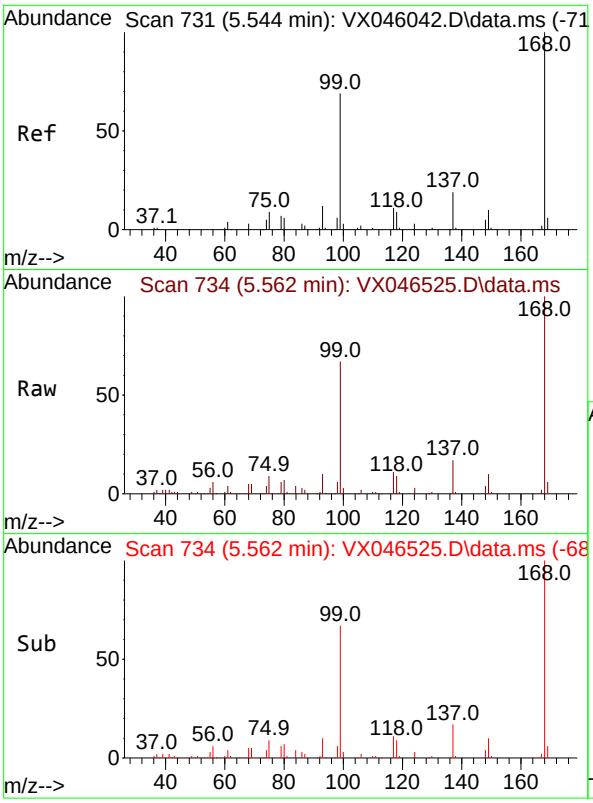
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
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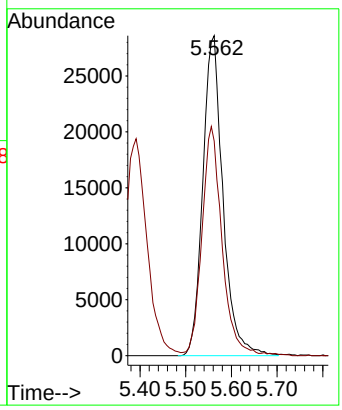




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:168 Resp: 8763

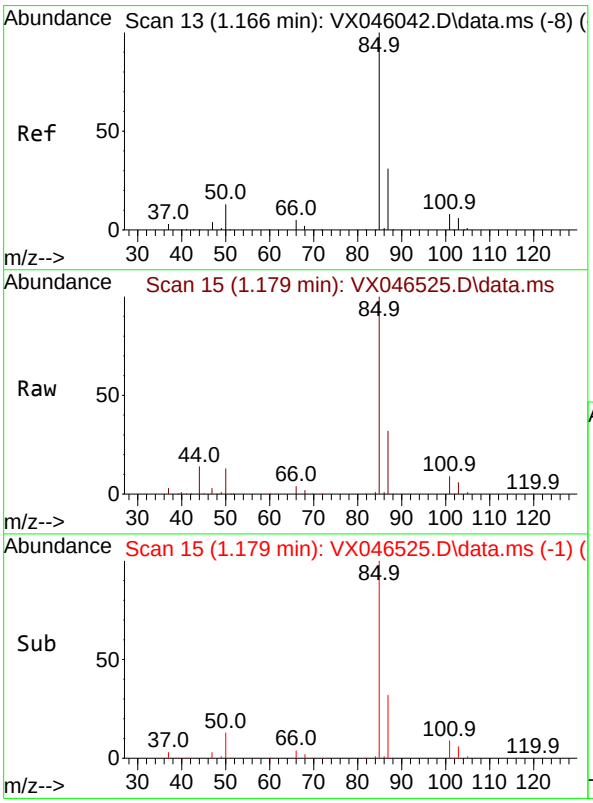
Ion	Ratio	Lower	Upper
168	100		
99	66.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

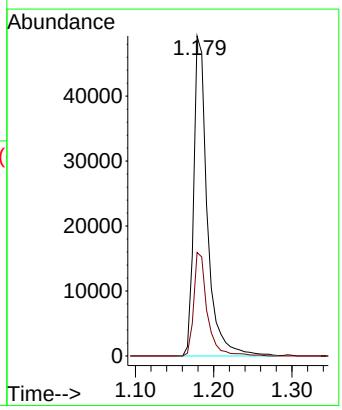
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

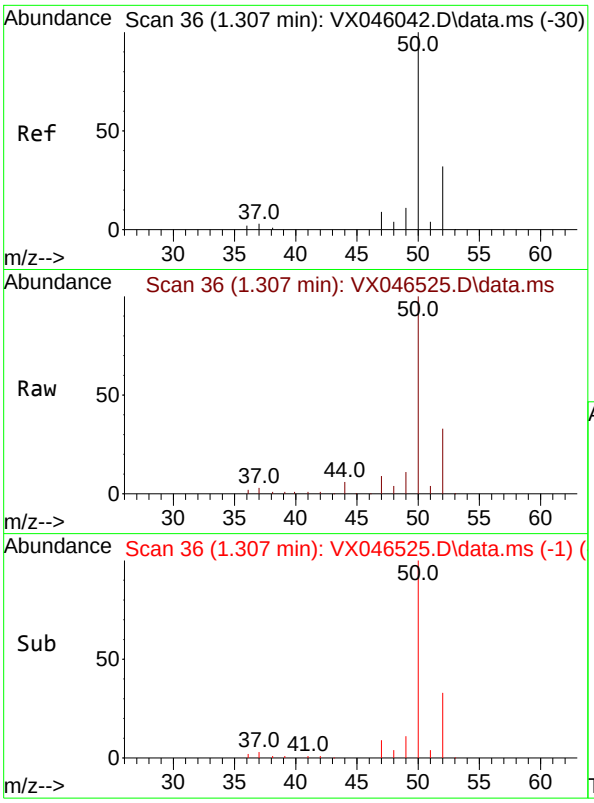


#2
Dichlorodifluoromethane
Concen: 49.116 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 85 Resp: 59758

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.1

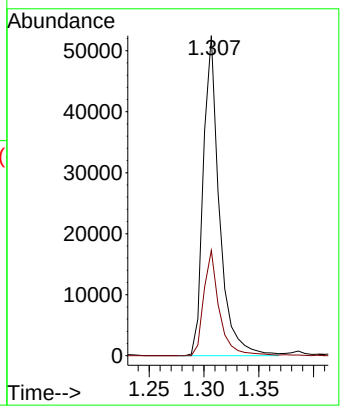




#3
Chloromethane
Concen: 48.162 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 50 Resp: 5333

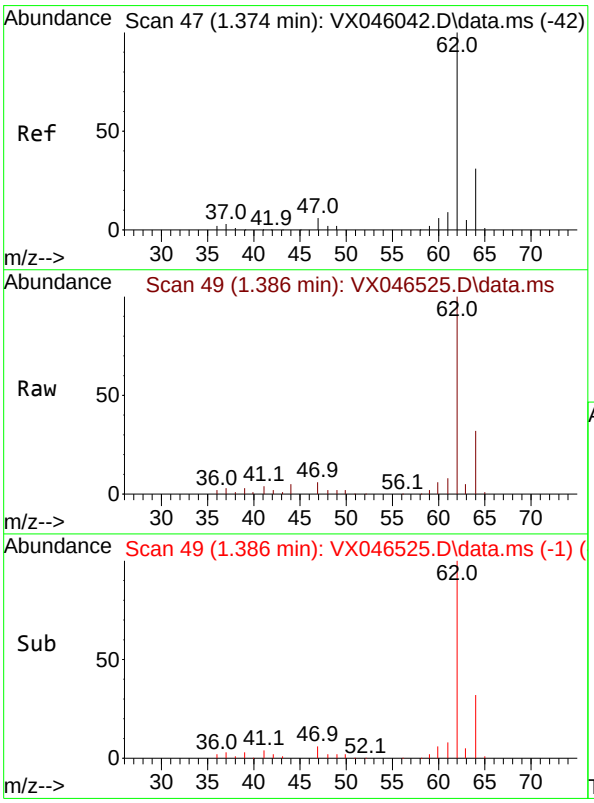
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

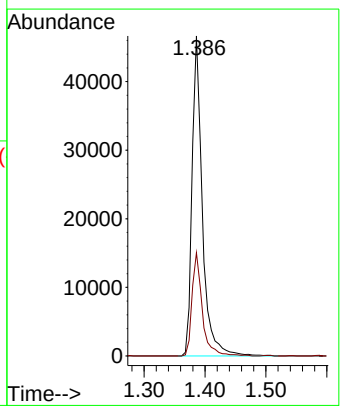
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

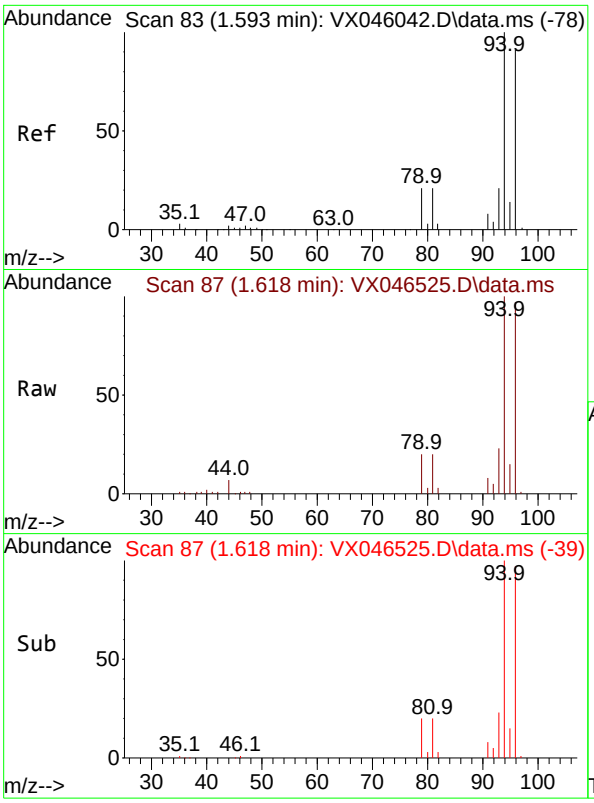


#4
Vinyl Chloride
Concen: 49.502 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 62 Resp: 54649

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8

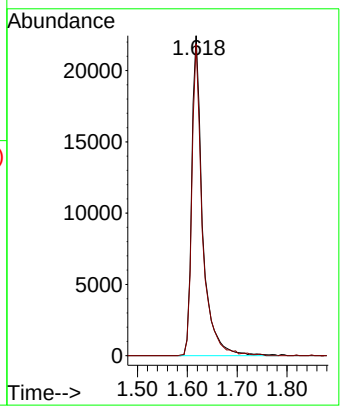




#5
Bromomethane
Concen: 50.900 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 94 Resp: 3411

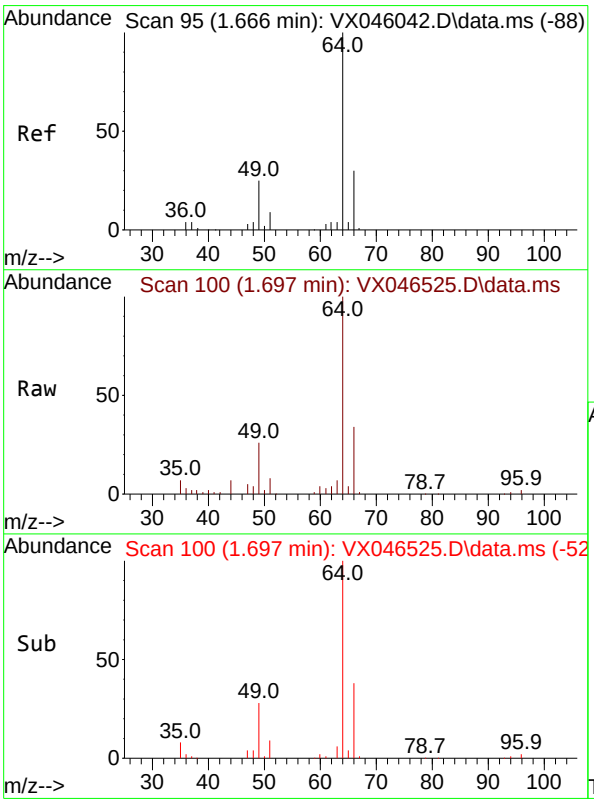
Ion	Ratio	Lower	Upper
94	100		
96	97.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

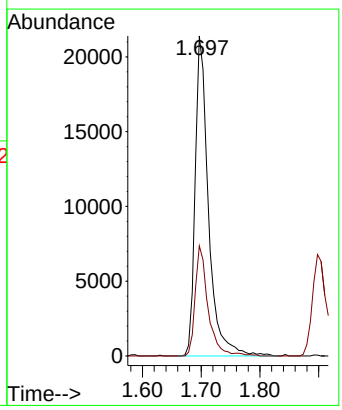
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

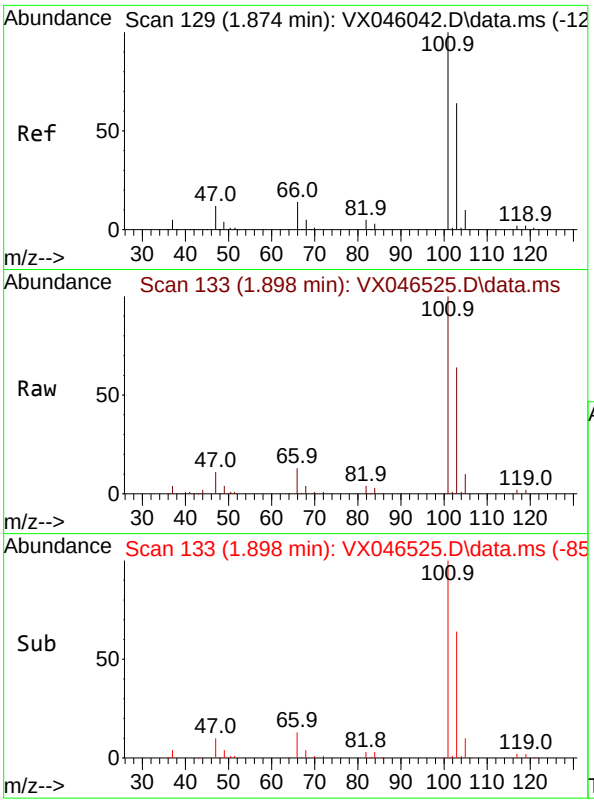


#6
Chloroethane
Concen: 46.955 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 64 Resp: 33633

Ion	Ratio	Lower	Upper
64	100		
66	34.4	24.3	36.5

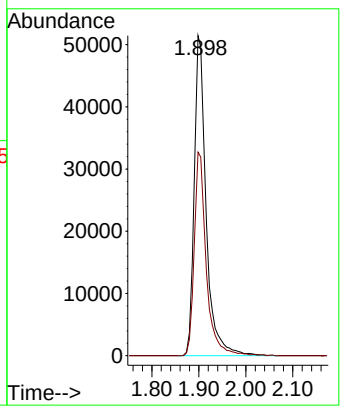




#7
Trichlorofluoromethane
Concen: 49.788 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:101 Resp: 9094

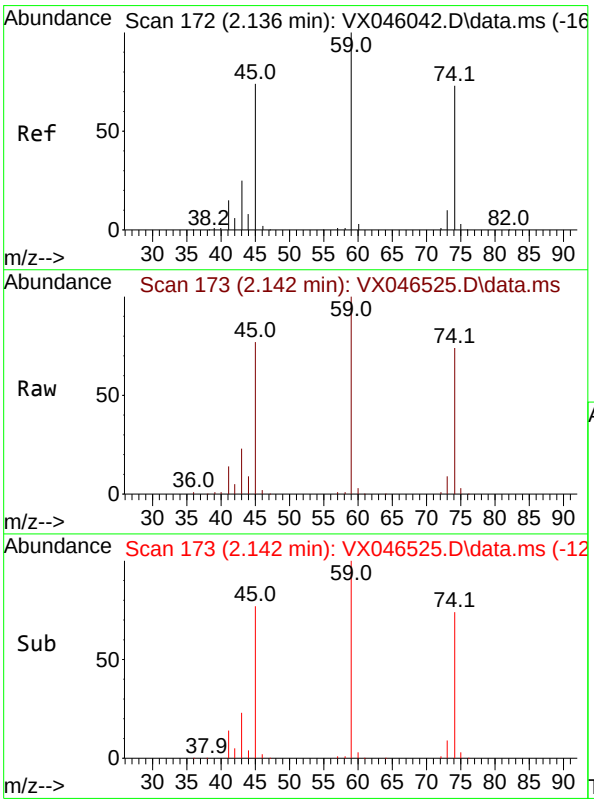
Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

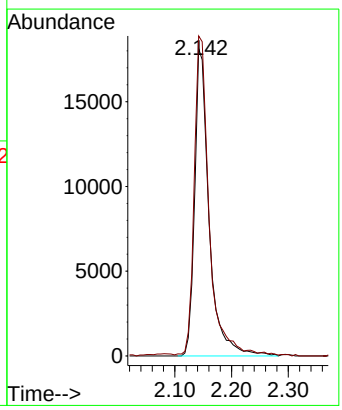
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

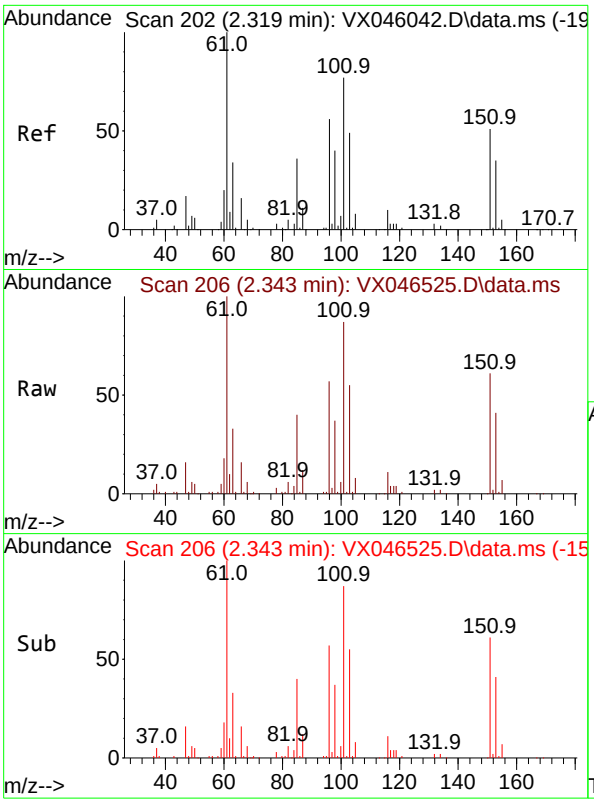


#8
Diethyl Ether
Concen: 49.819 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 74 Resp: 32152

Ion	Ratio	Lower	Upper
74	100		
45	106.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.561 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

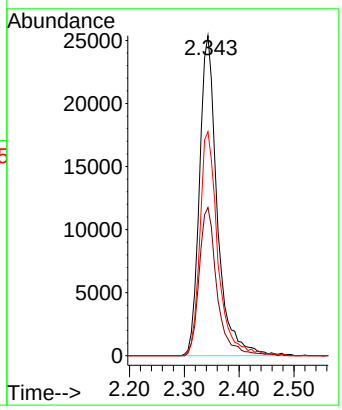
Tgt Ion:101 Resp: 5703

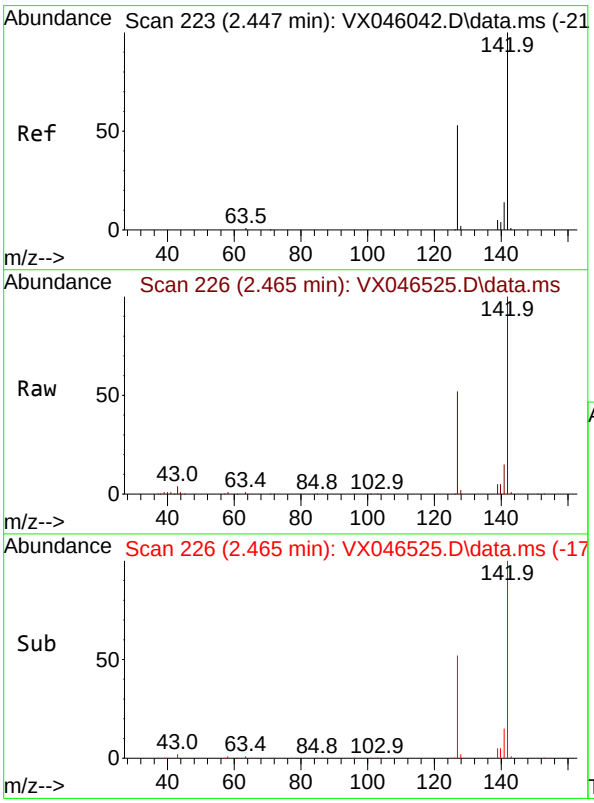
Ion	Ratio	Lower	Upper
101	100		
85	46.7	38.6	58.0
151	71.2	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

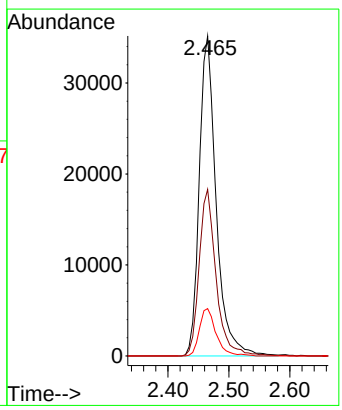


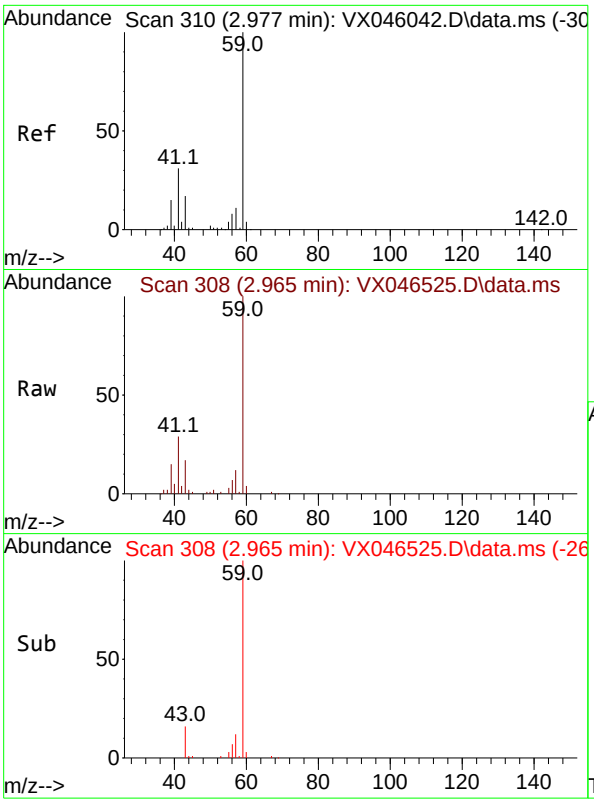


#10
Methyl Iodide
Concen: 54.338 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:142 Resp: 67786

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.6	11.5	17.3

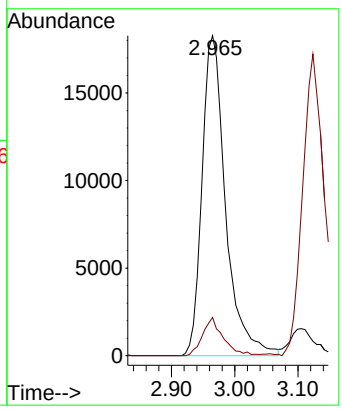




#11
Tert butyl alcohol
Concen: 273.823 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 59 Resp: 4737

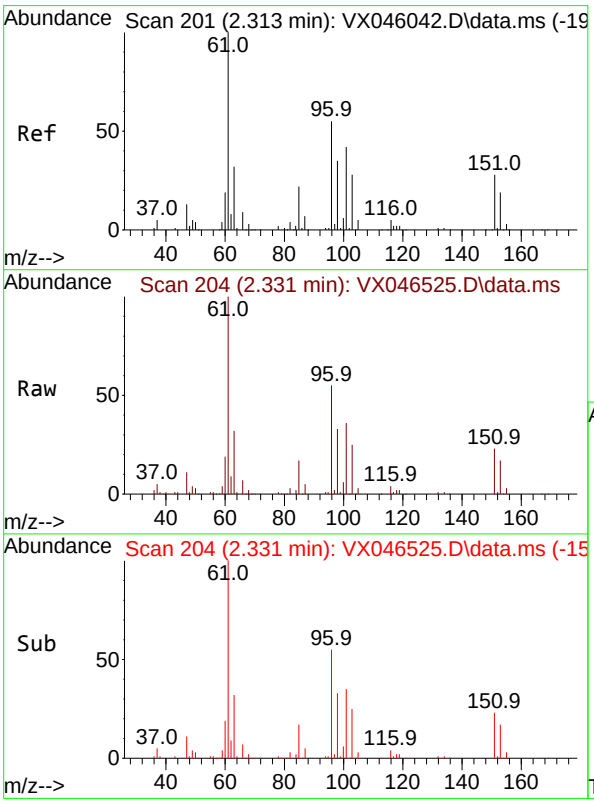
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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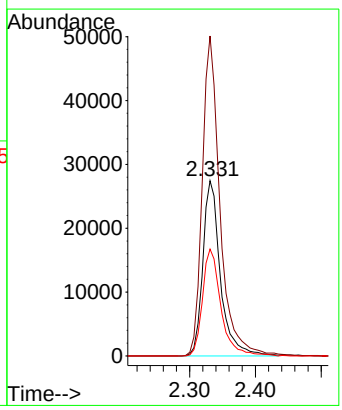
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

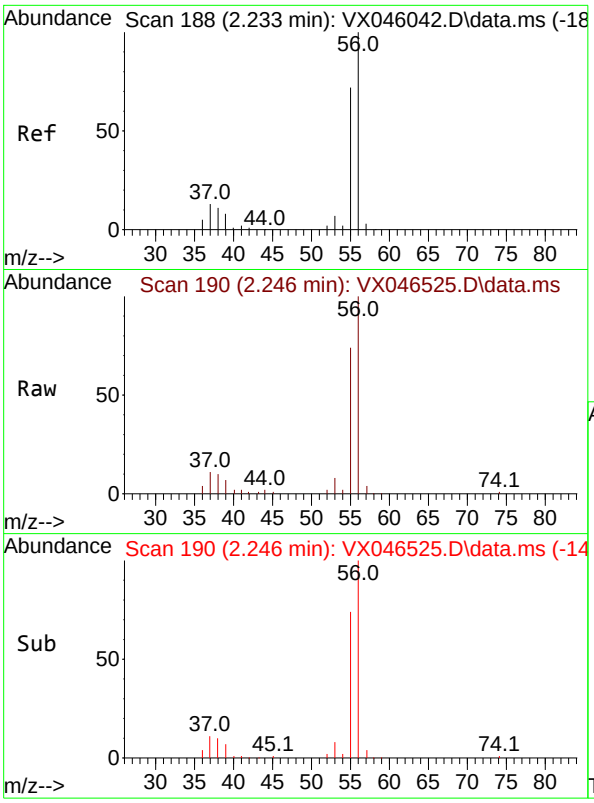


#12
1,1-Dichloroethene
Concen: 49.119 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 96 Resp: 51107

Ion	Ratio	Lower	Upper
96	100		
61	182.7	146.2	219.2
98	61.0	51.0	76.6

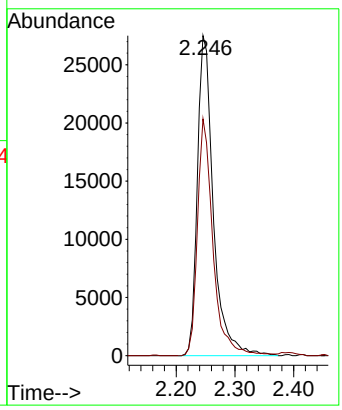




#13
Acrolein
Concen: 247.857 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.005 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 56 Resp: 5180

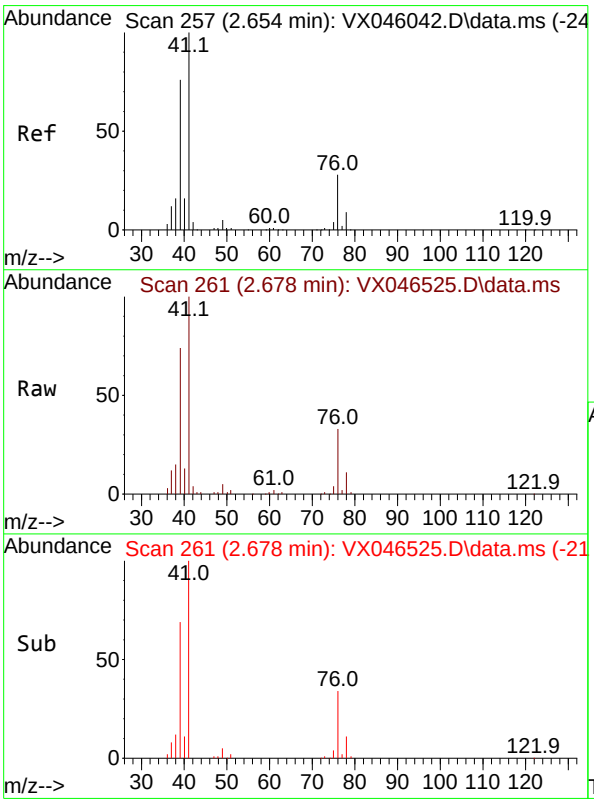
Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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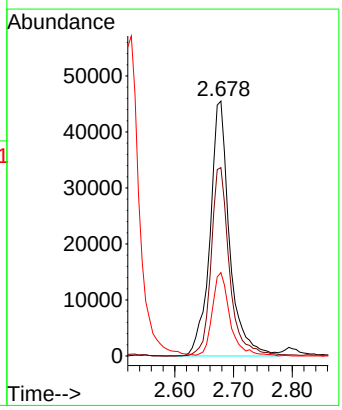
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

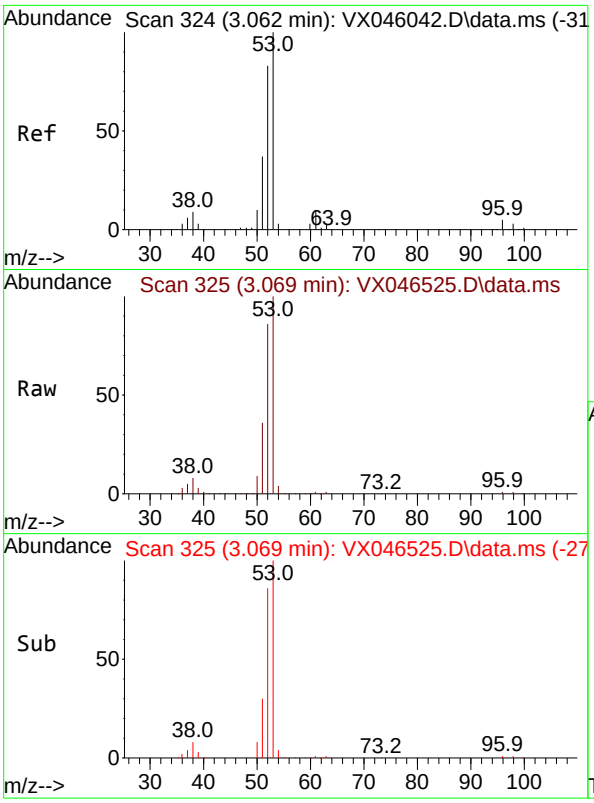


#14
Allyl chloride
Concen: 51.566 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 41 Resp: 105373

Ion	Ratio	Lower	Upper
41	100		
39	69.8	60.6	90.8
76	29.2	24.9	37.3

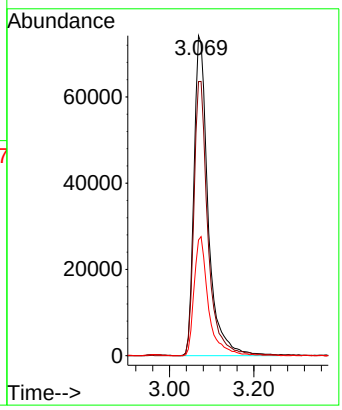




#15
Acrylonitrile
Concen: 266.347 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 53 Resp: 17422

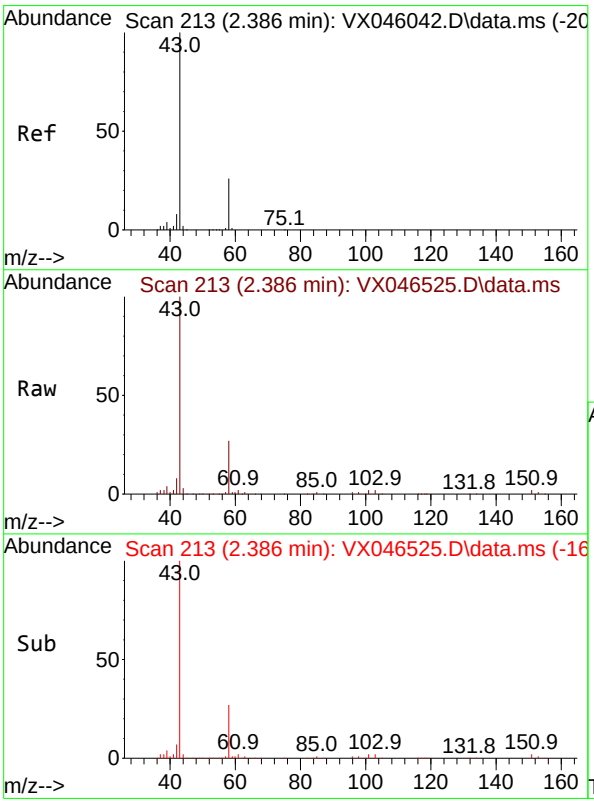
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.3	97.9
51	37.7	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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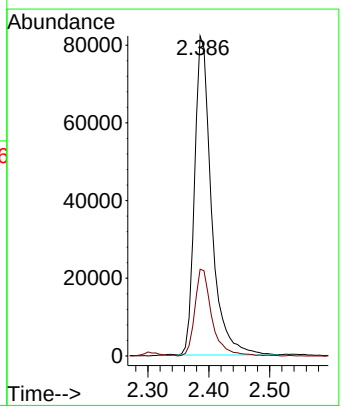
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

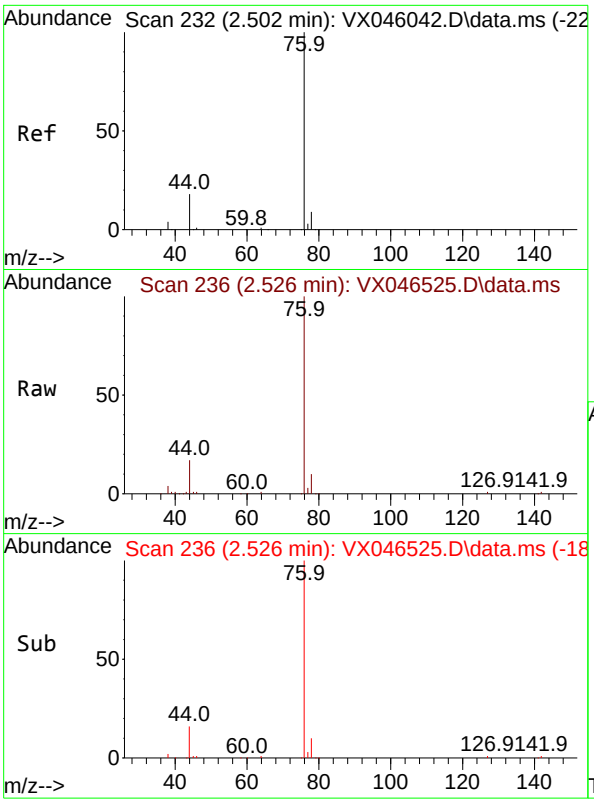


#16
Acetone
Concen: 257.624 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 157823

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8

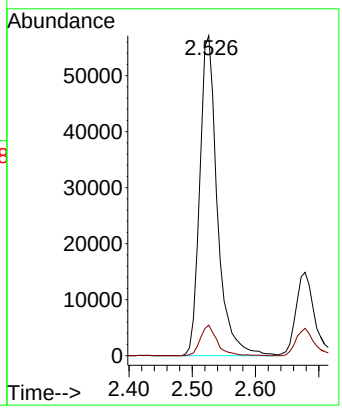




#17
Carbon Disulfide
Concen: 50.069 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 76 Resp: 11061

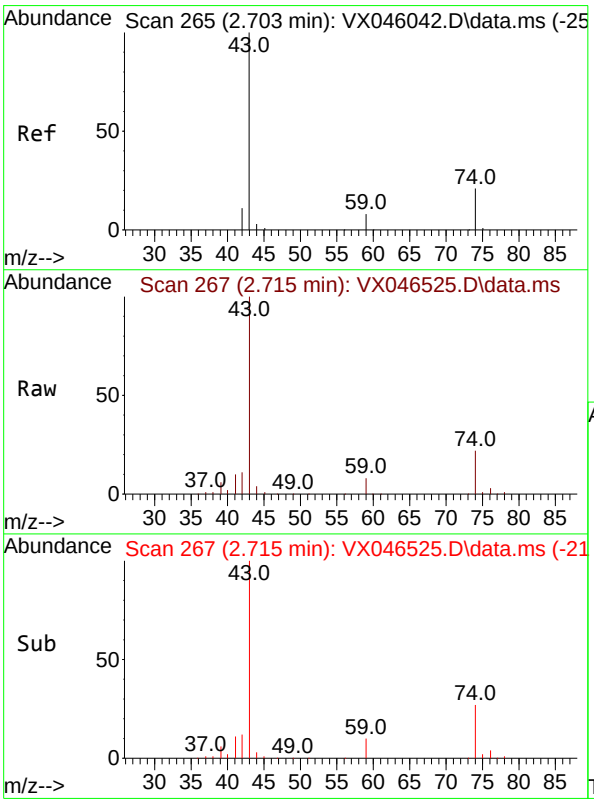
Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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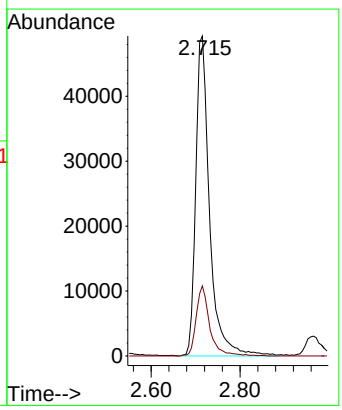
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

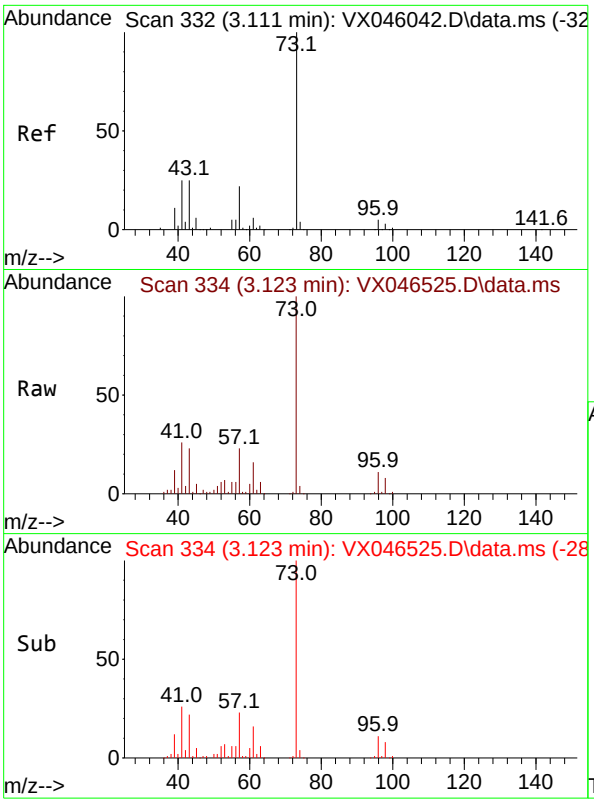


#18
Methyl Acetate
Concen: 57.396 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 106595

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1

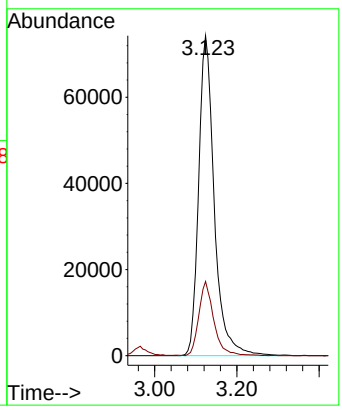




#19
Methyl tert-butyl Ether
Concen: 53.754 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 73 Resp: 19570

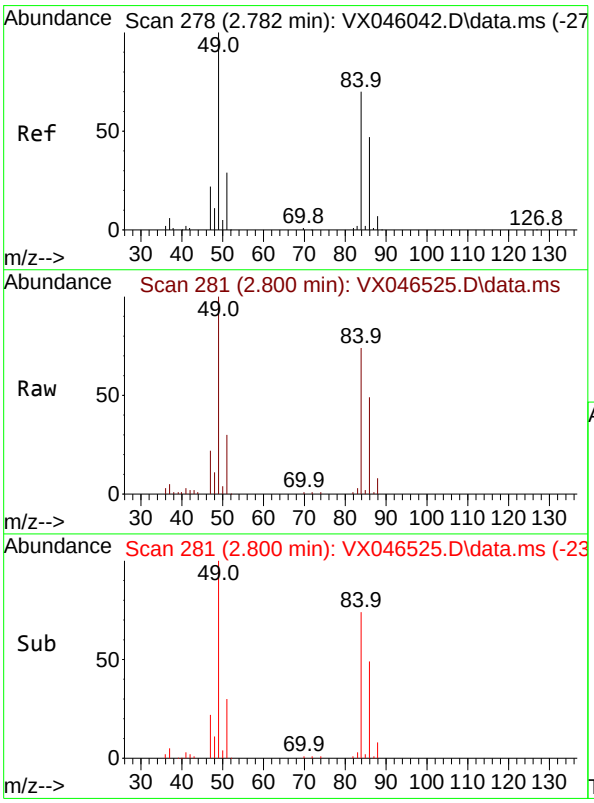
Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

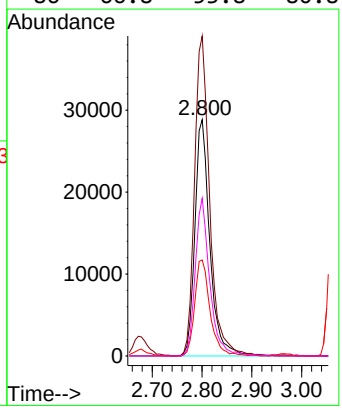
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

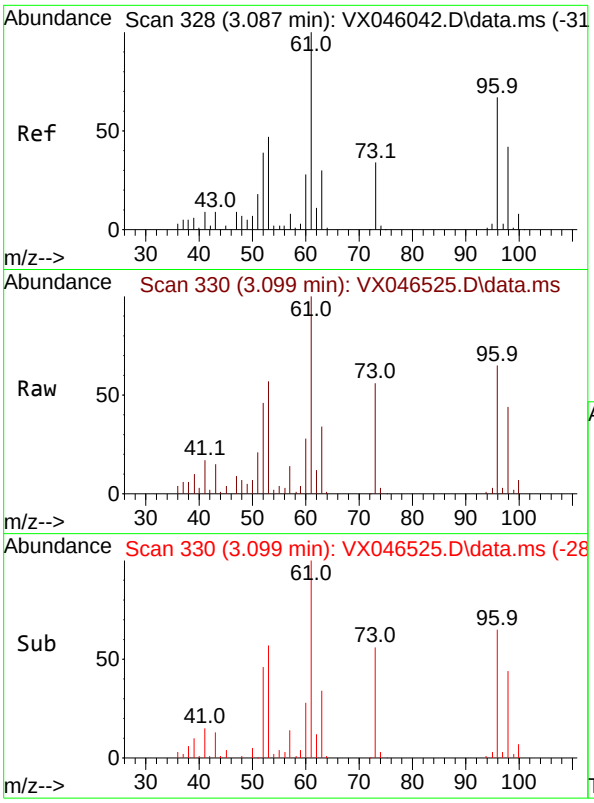


#20
Methylene Chloride
Concen: 48.013 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 84 Resp: 60058

Ion	Ratio	Lower	Upper
84	100		
49	135.2	113.9	170.9
51	40.6	33.5	50.3
86	66.8	53.8	80.8

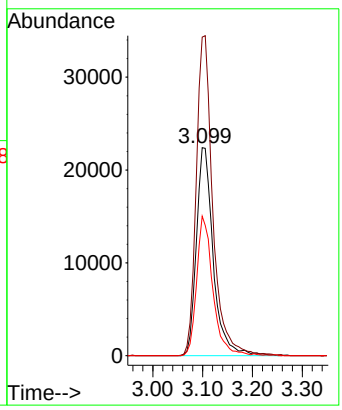




#21
trans-1,2-Dichloroethene
Concen: 47.832 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 96 Resp: 5266

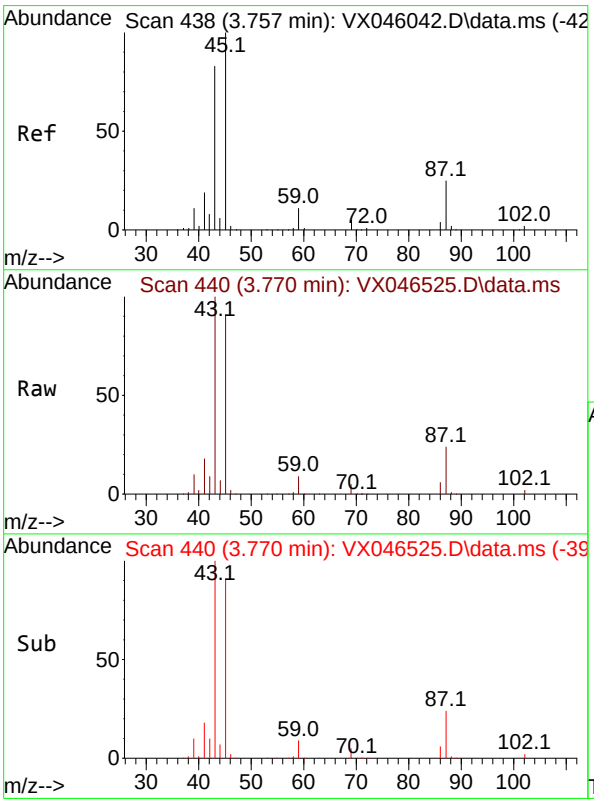
Ion	Ratio	Lower	Upper
96	100		
61	153.1	119.5	179.3
98	67.1	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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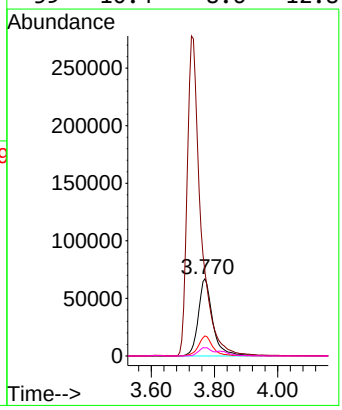
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

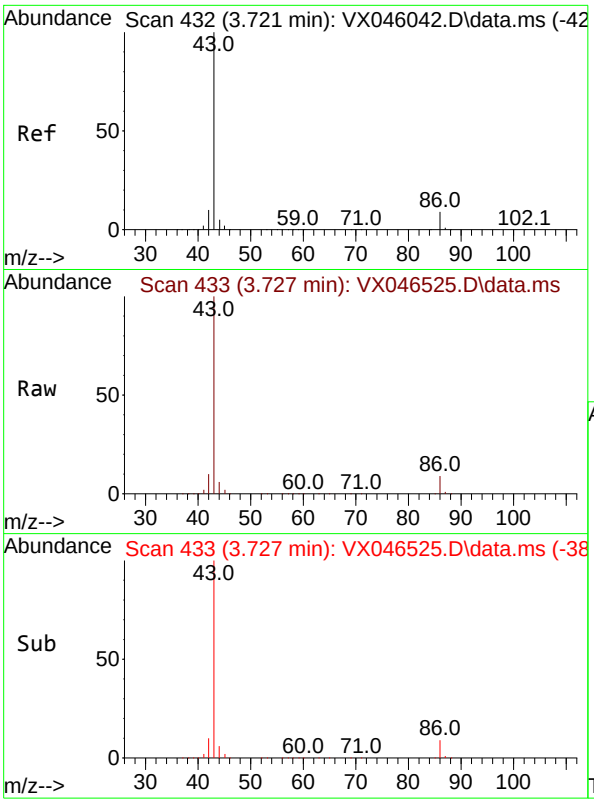


#22
Diisopropyl ether
Concen: 52.834 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 45 Resp: 212853

Ion	Ratio	Lower	Upper
45	100		
43	108.8	66.6	100.0#
87	26.0	19.8	29.6
59	10.4	8.6	12.8





#23
Vinyl Acetate
Concen: 266.053 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

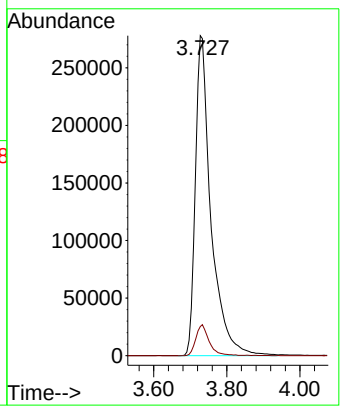
Tgt Ion: 43 Resp: 82753

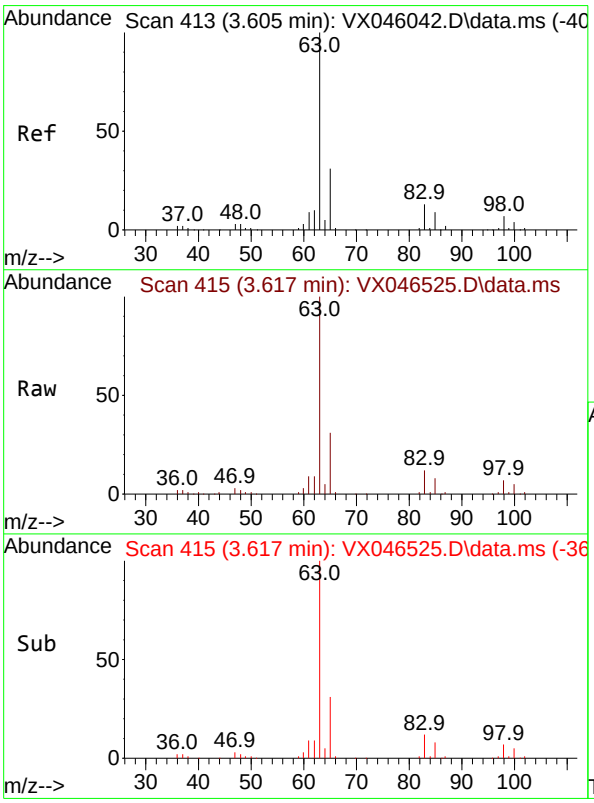
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

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Reviewed By :John Carlone 06/06/2025
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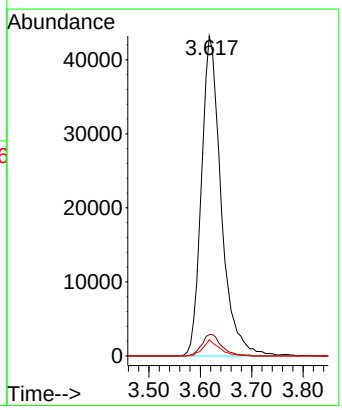


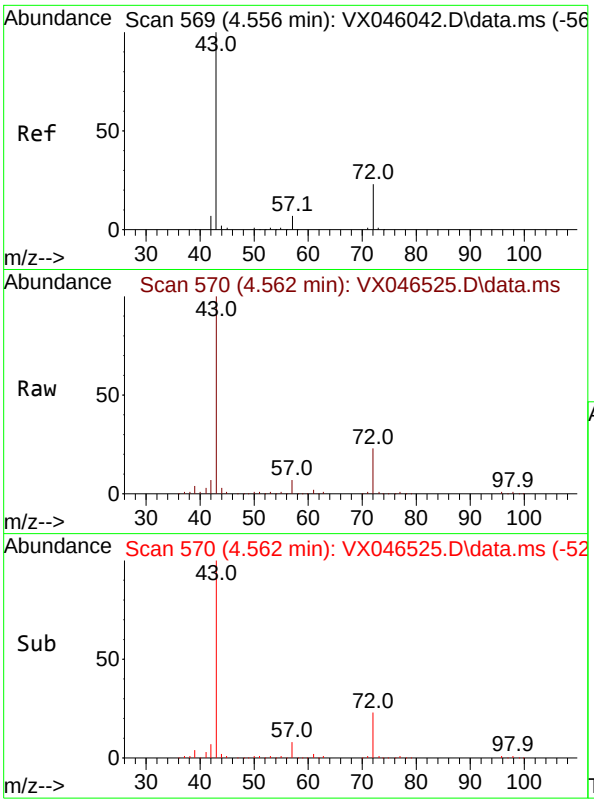


#24
1,1-Dichloroethane
Concen: 51.227 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 63 Resp: 115021

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	5.1	2.1	6.3





#25
2-Butanone
Concen: 267.525 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

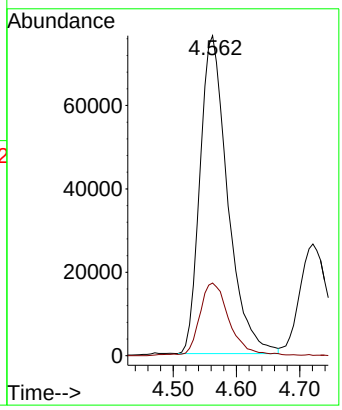
Tgt Ion: 43 Resp: 23220

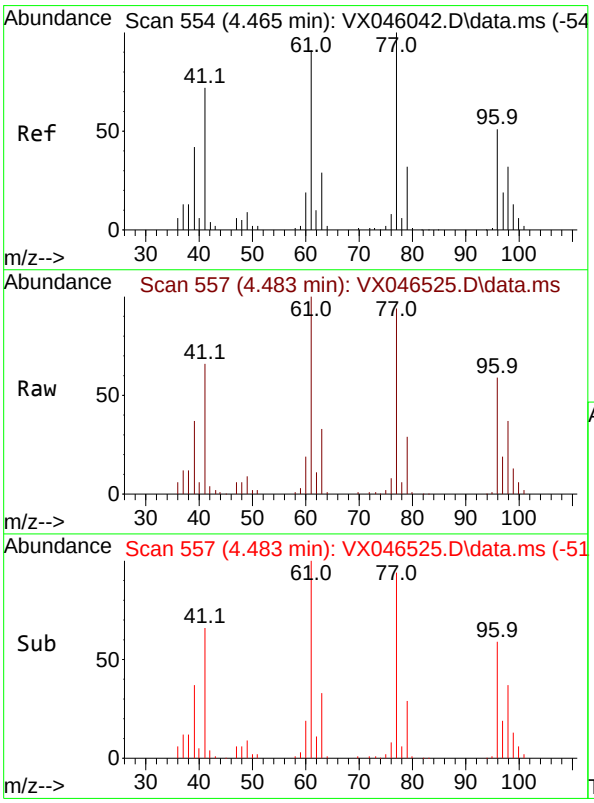
Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
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Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

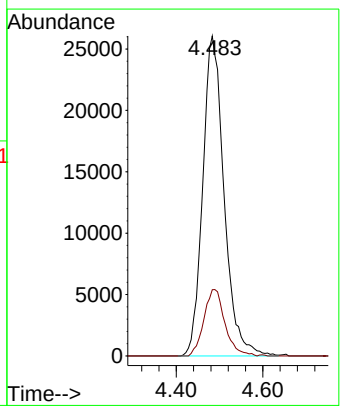


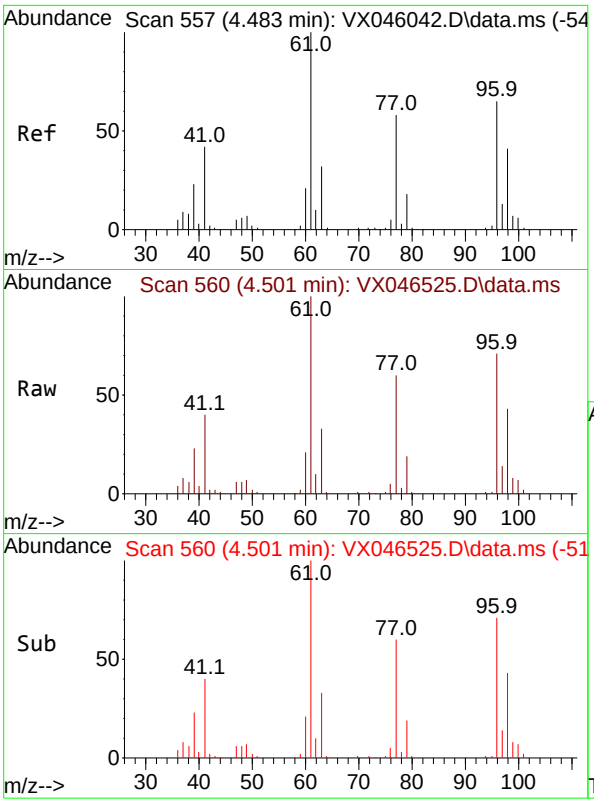


#26
2,2-Dichloropropane
Concen: 53.502 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 77 Resp: 89180

Ion	Ratio	Lower	Upper
77	100		
97	20.5	10.5	31.5

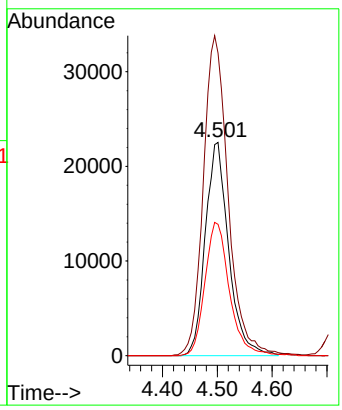




#27
cis-1,2-Dichloroethene
Concen: 49.265 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 96 Resp: 6677

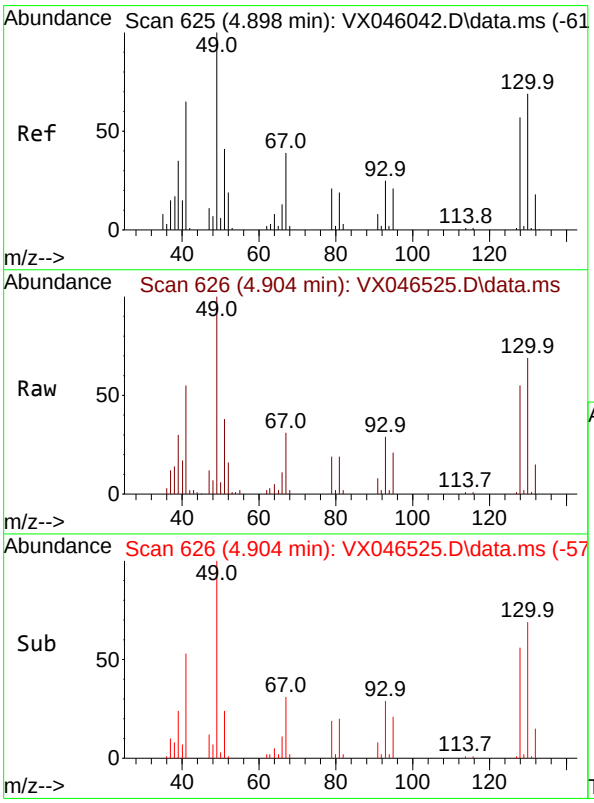
Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	322.8
98	65.7	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

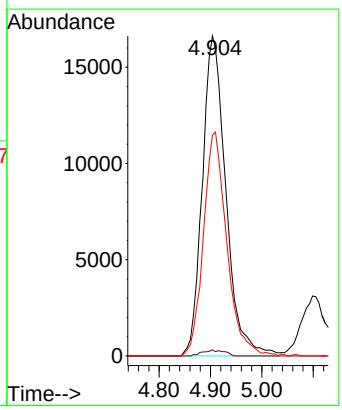
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

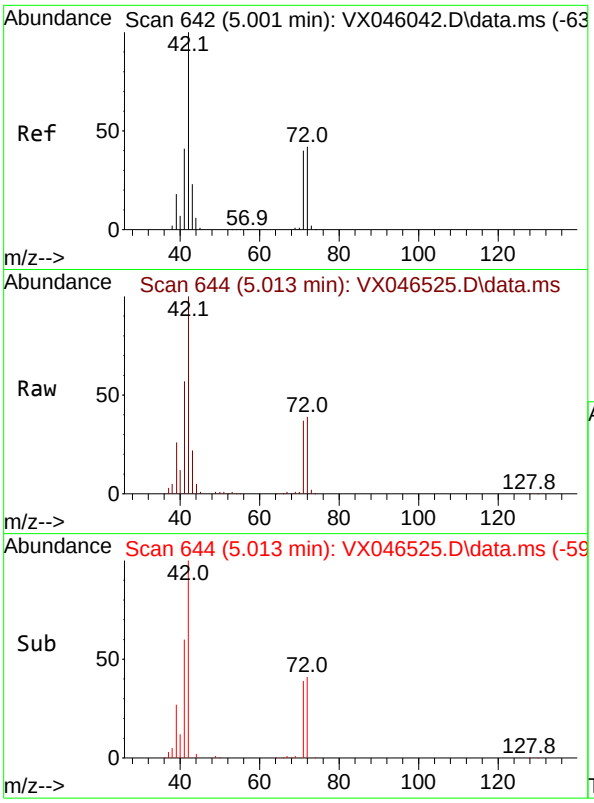


#28
Bromochloromethane
Concen: 49.390 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 49 Resp: 52893

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	69.4	56.2	84.2

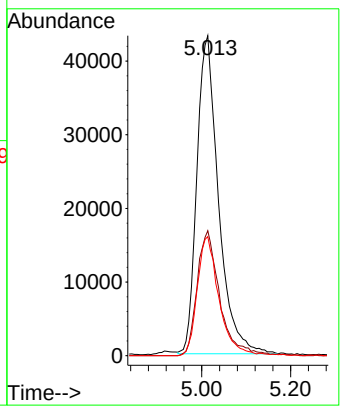




#29
Tetrahydrofuran
Concen: 266.904 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 42 Resp: 14630

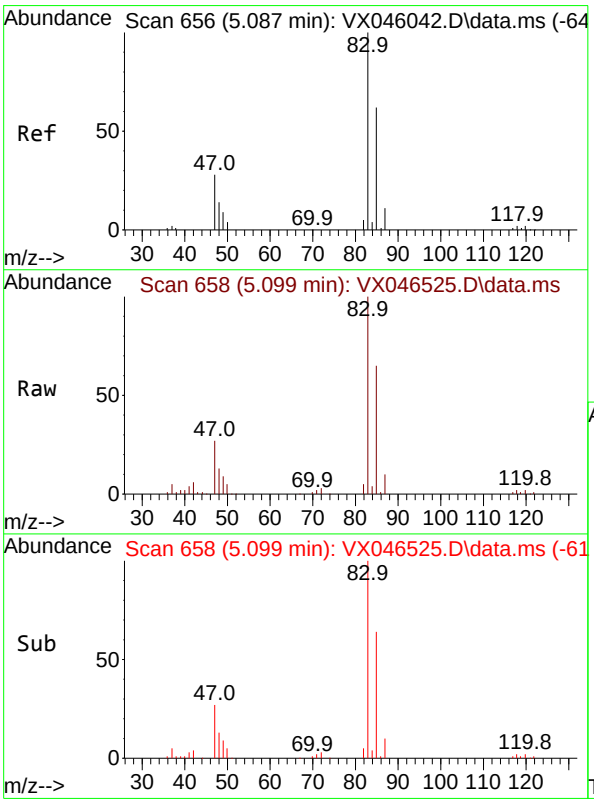
Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	37.4	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

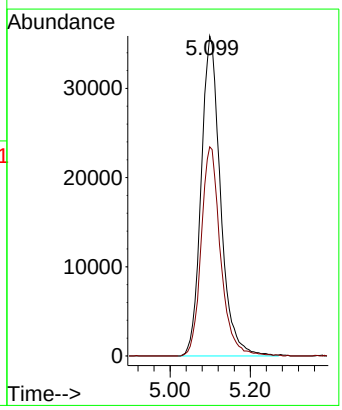
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

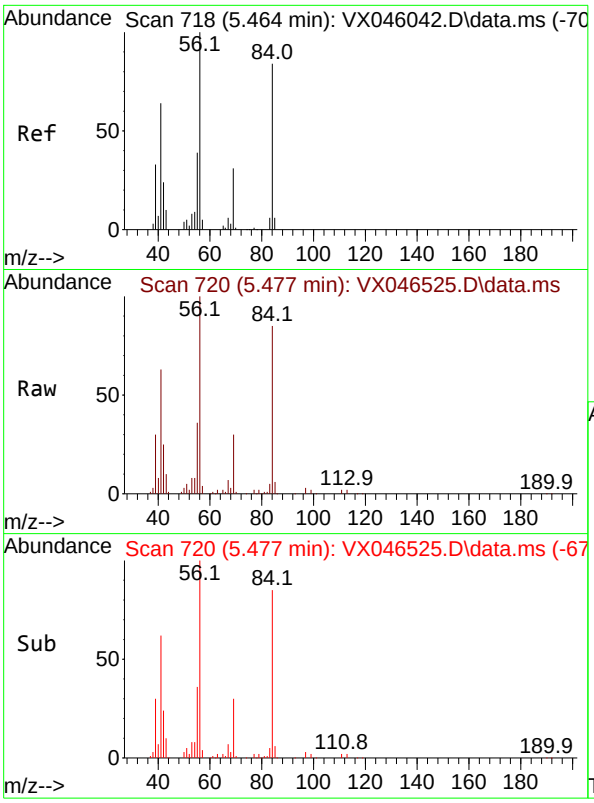


#30
Chloroform
Concen: 51.004 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 83 Resp: 119994

Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.3	73.9

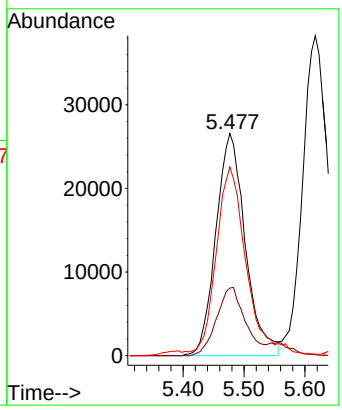




#31
Cyclohexane
Concen: 49.093 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 56 Resp: 8898

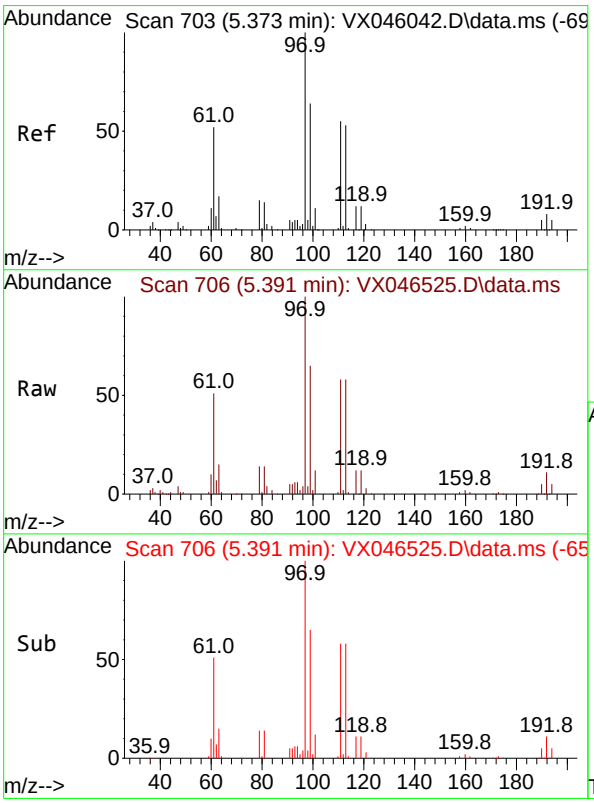
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	82.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

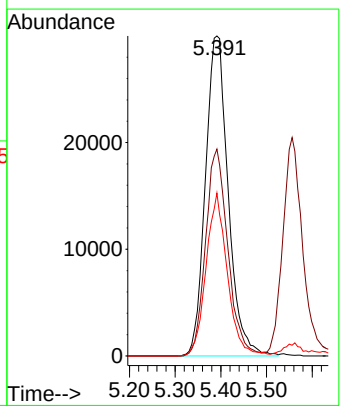
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

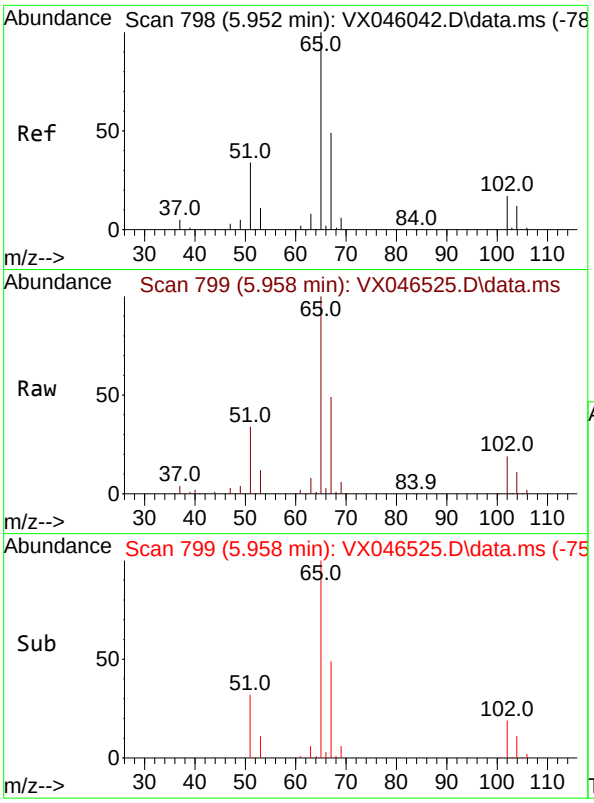


#32
1,1,1-Trichloroethane
Concen: 51.651 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 97 Resp: 103945

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.8	77.6
61	47.5	40.1	60.1

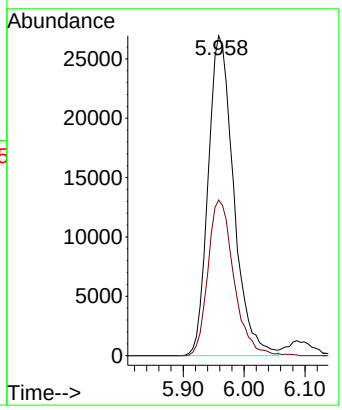




#33
1,2-Dichloroethane-d4
Concen: 50.250 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 65 Resp: 7834

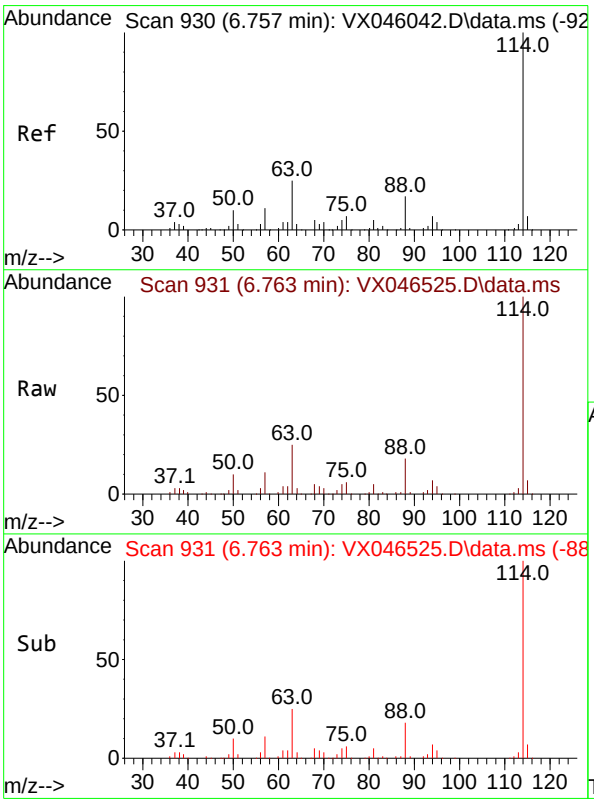
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

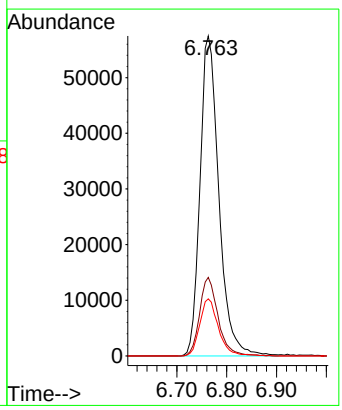
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

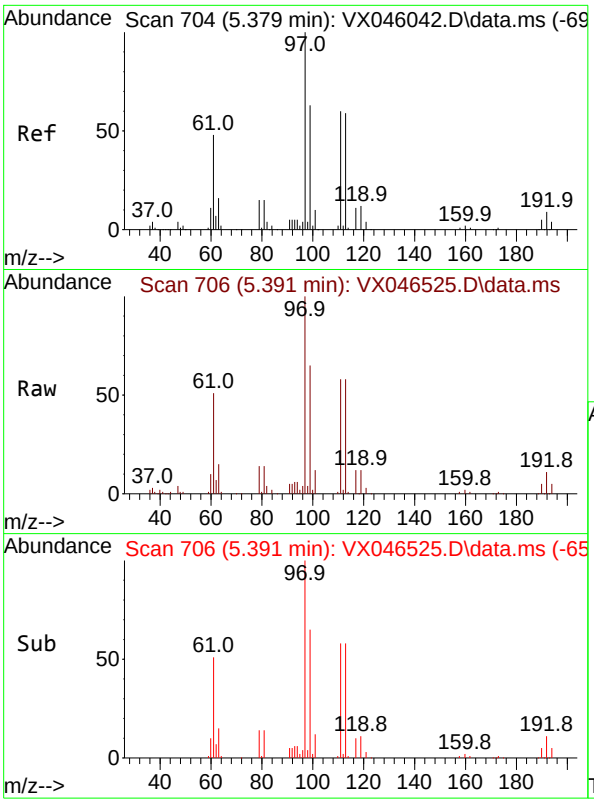


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:114 Resp: 151058

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	17.8	0.0	33.6

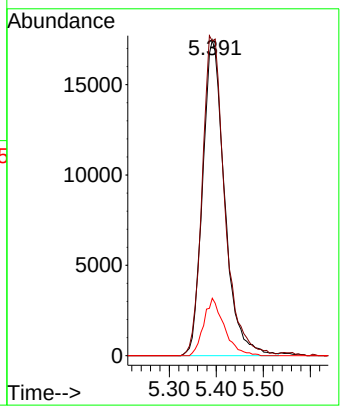




#35
Dibromofluoromethane
Concen: 51.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:113 Resp: 5669

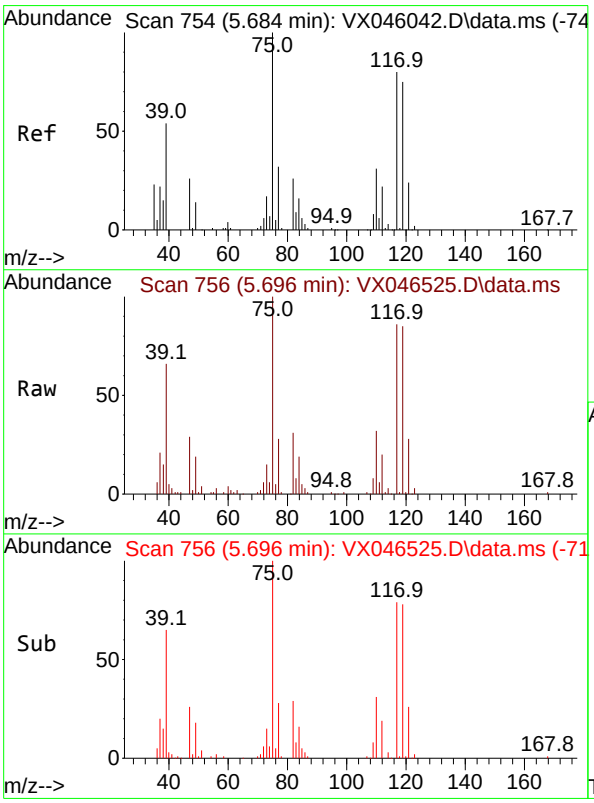
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	17.1	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

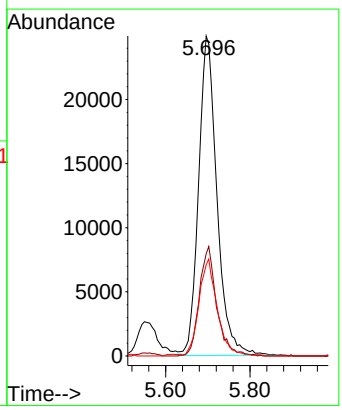
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

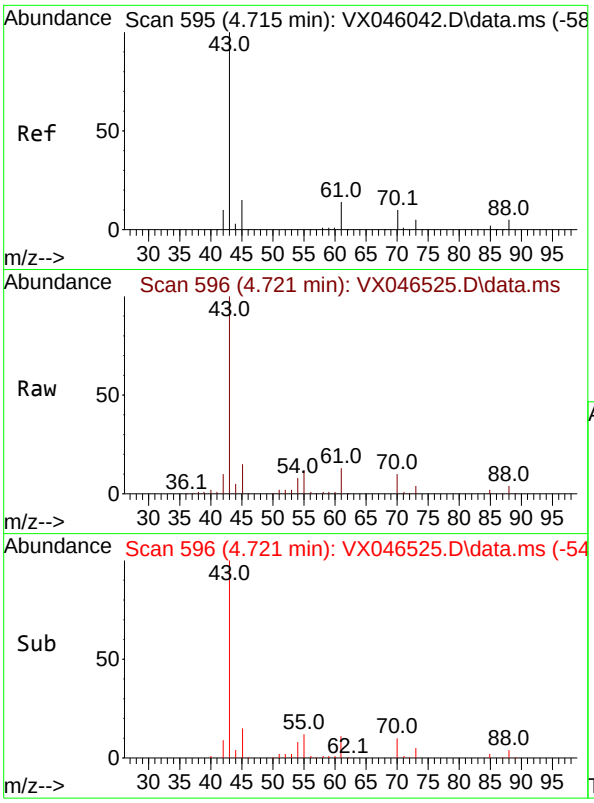


#36
1,1-Dichloropropene
Concen: 47.703 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.018 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 75696

Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.3	48.9
77	29.6	24.3	36.5

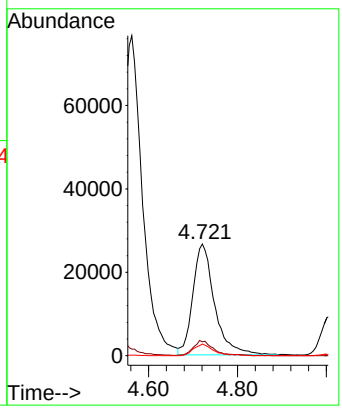




#37
Ethyl Acetate
Concen: 58.203 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 9013

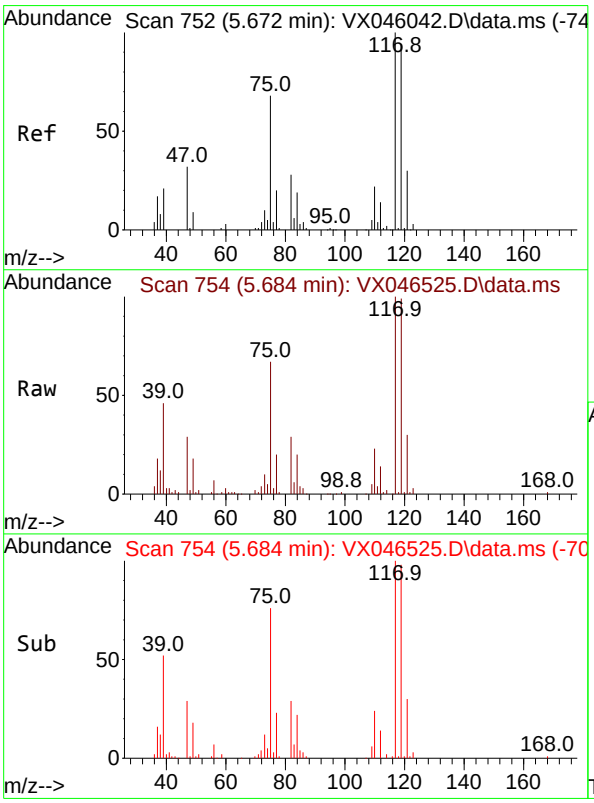
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

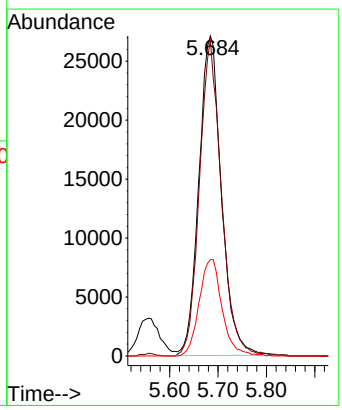
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

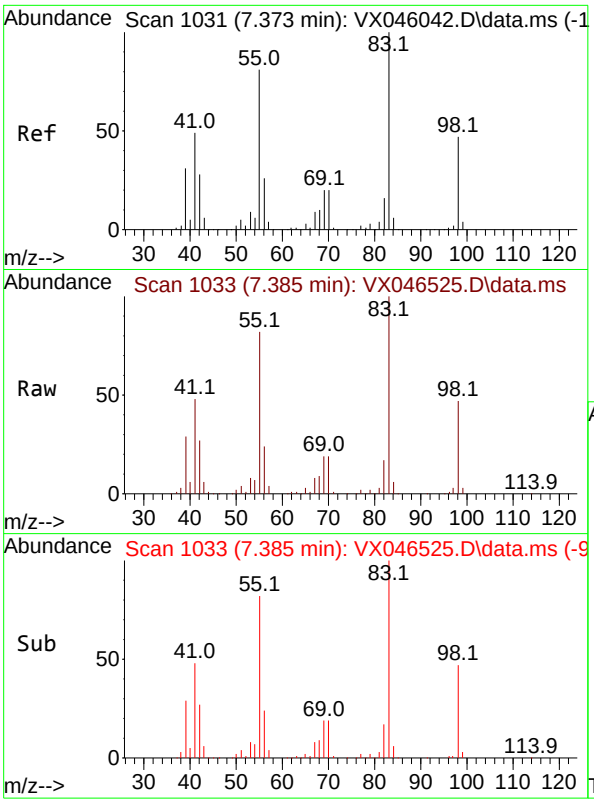


#38
Carbon Tetrachloride
Concen: 49.372 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:117 Resp: 87750

Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.2	112.8
121	30.2	24.2	36.4





#39
Methylcyclohexane
Concen: 47.608 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

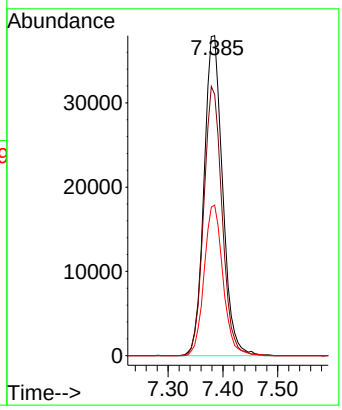
Tgt Ion: 83 Resp: 8916

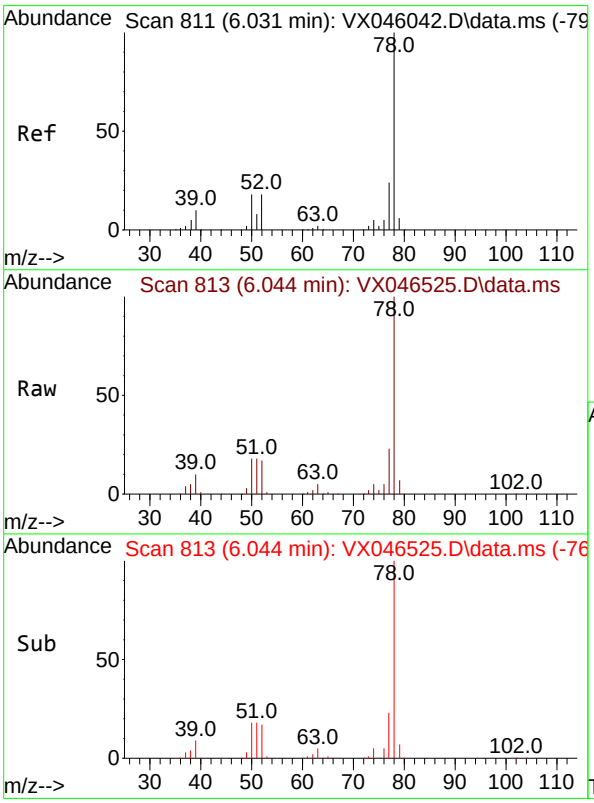
Ion	Ratio	Lower	Upper
83	100		
55	81.6	64.7	97.1
98	47.1	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

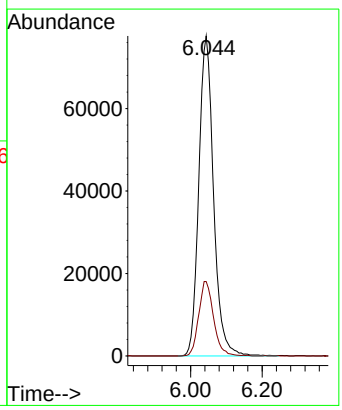


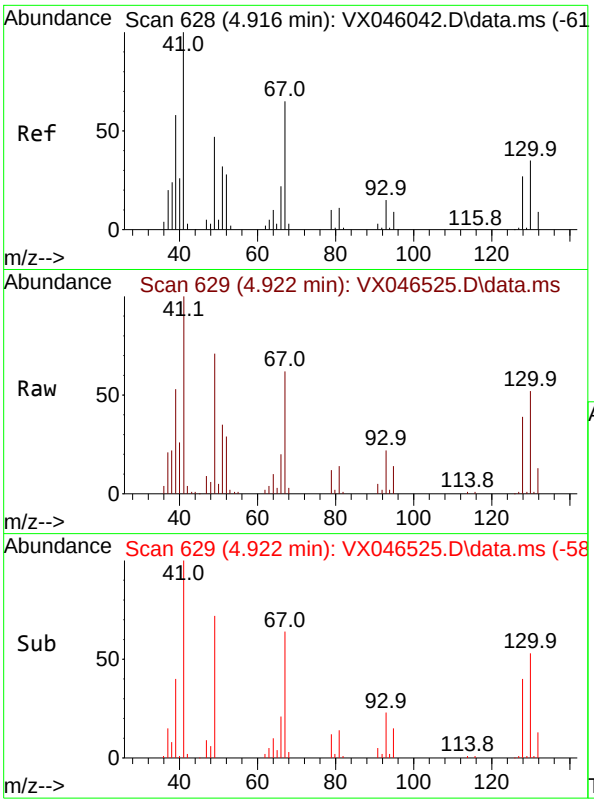


#40
Benzene
Concen: 49.672 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 78 Resp: 221890

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4

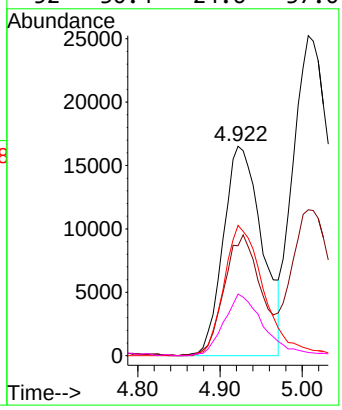




#41
Methacrylonitrile
Concen: 56.282 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 41 Resp: 5412

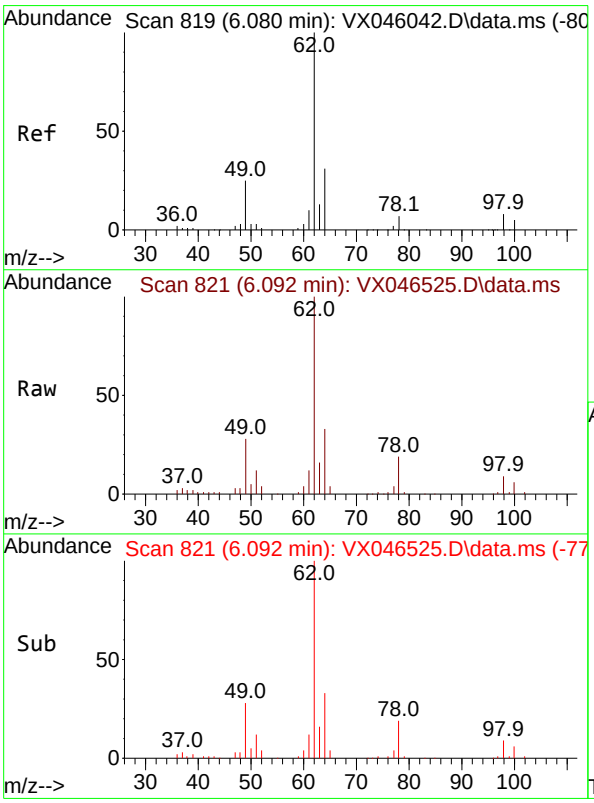
Ion	Ratio	Lower	Upper
41	100		
39	53.5	47.2	70.8
67	64.3	50.7	76.1
52	30.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

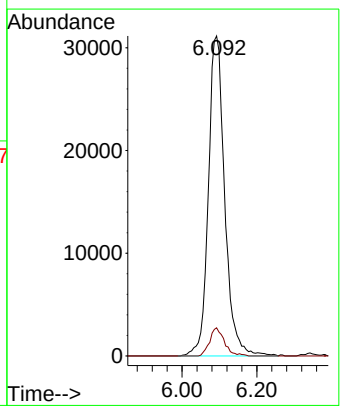
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

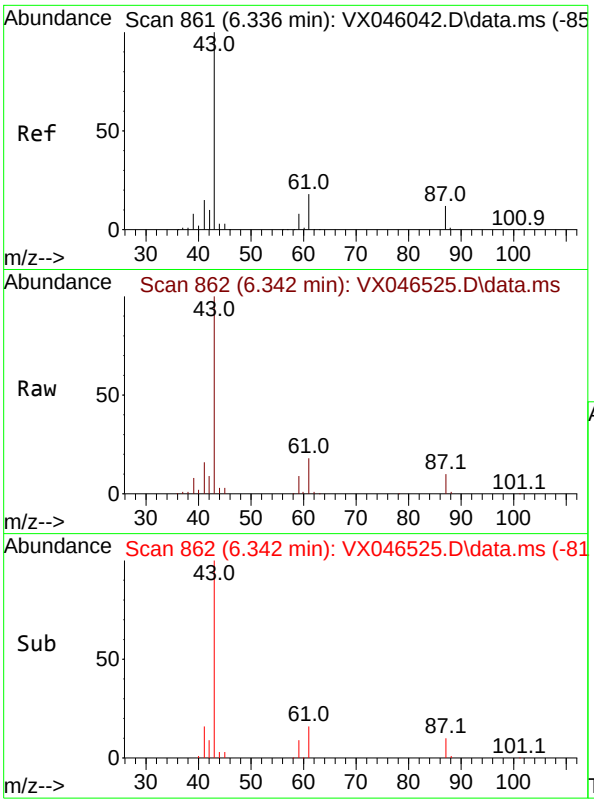


#42
1,2-Dichloroethane
Concen: 50.897 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 62 Resp: 94588

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.2

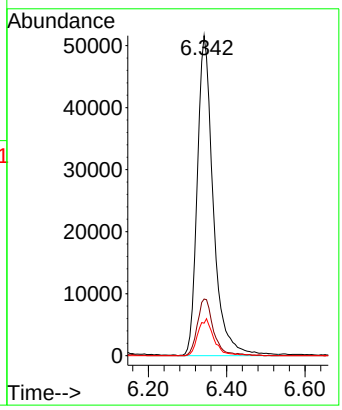




#43
Isopropyl Acetate
Concen: 54.290 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 14657

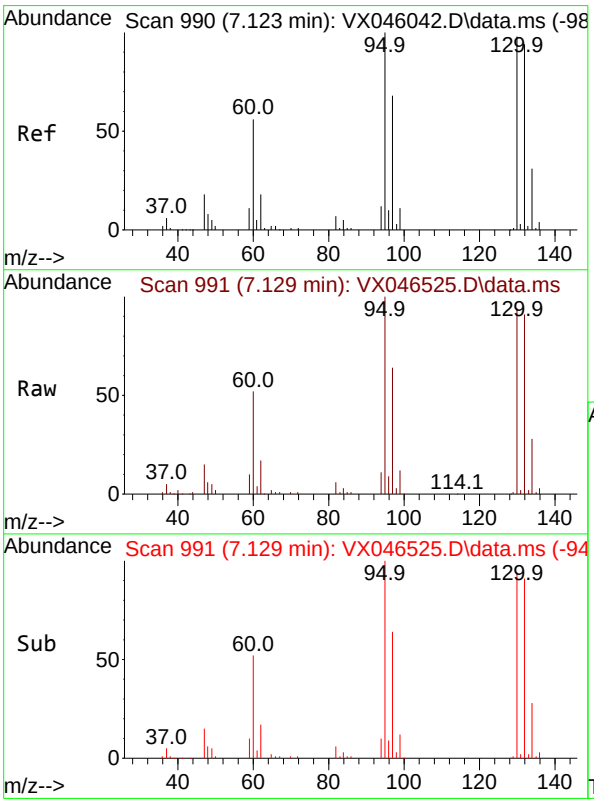
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

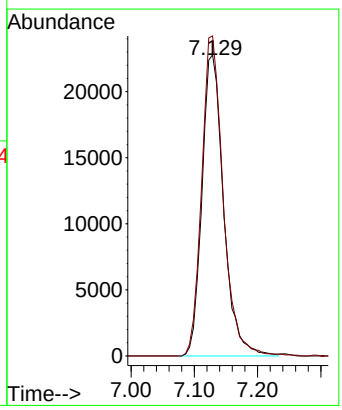
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

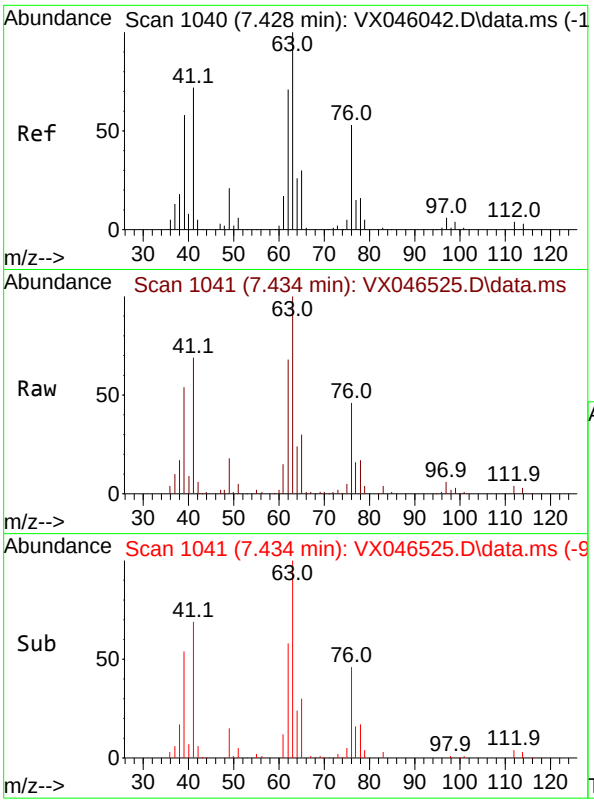


#44
Trichloroethene
Concen: 47.764 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:130 Resp: 54213

Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	204.2

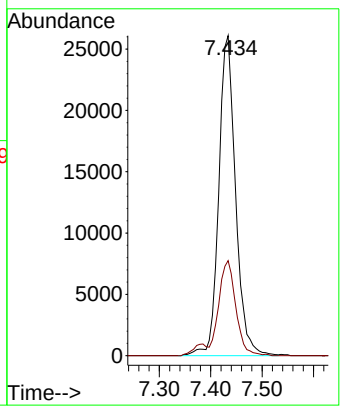




#45
1,2-Dichloropropane
Concen: 51.417 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 63 Resp: 5928

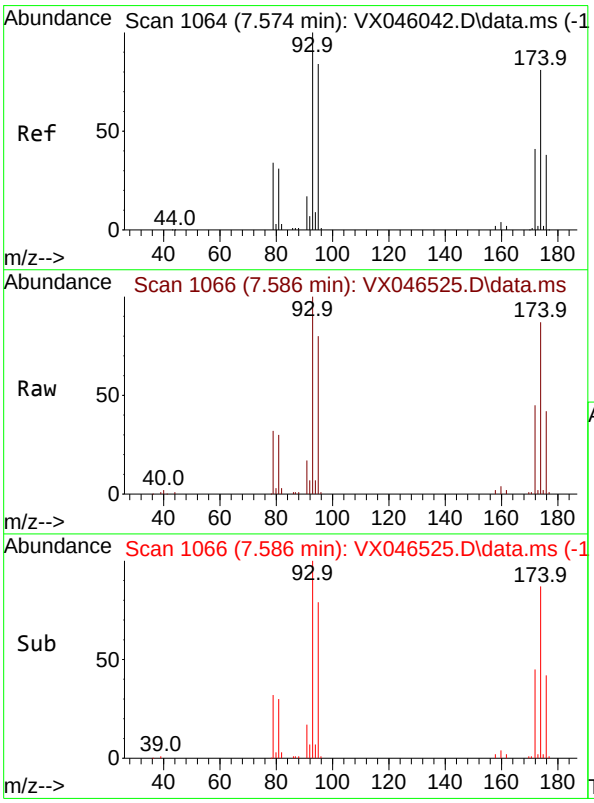
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

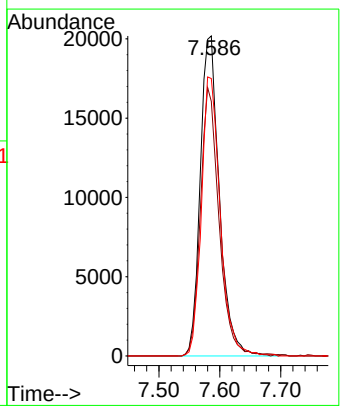
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

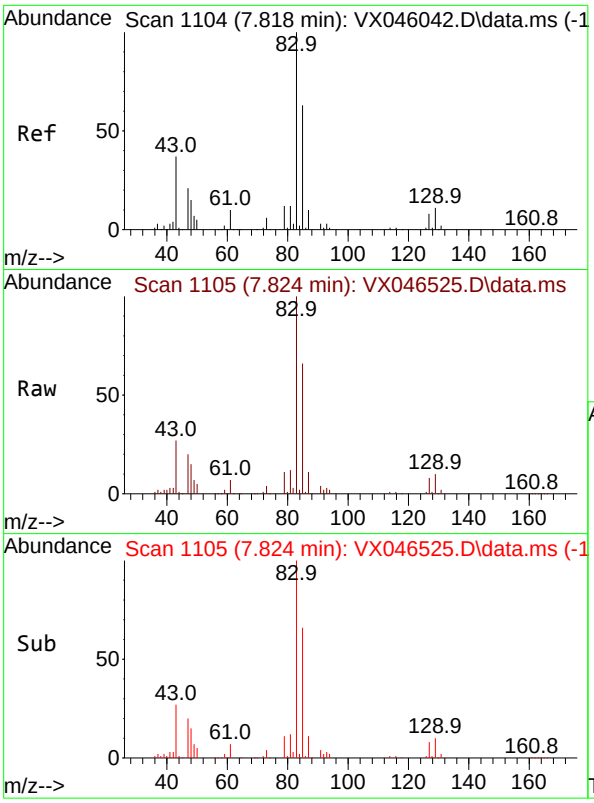


#46
Dibromomethane
Concen: 50.807 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 93 Resp: 44071

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.6	98.4
174	85.8	68.2	102.2

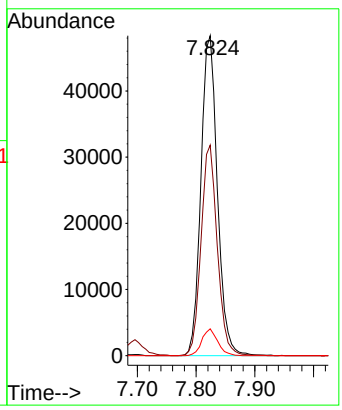




#47
Bromodichloromethane
Concen: 52.906 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 83 Resp: 9436

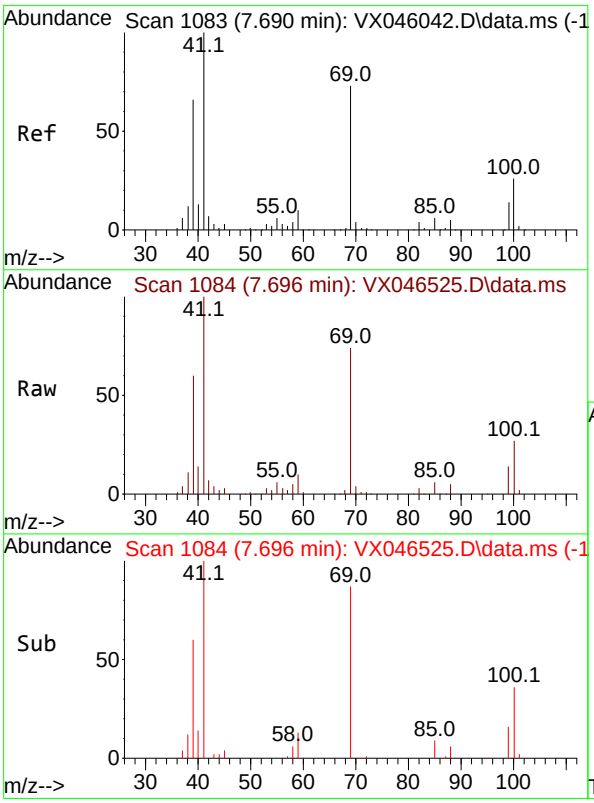
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.5	75.7
127	8.4	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

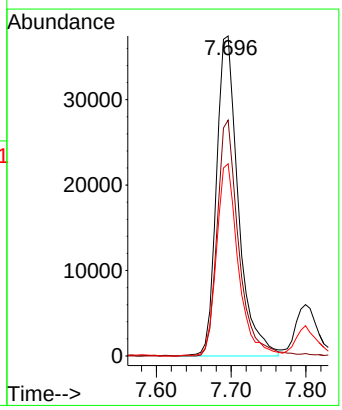
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

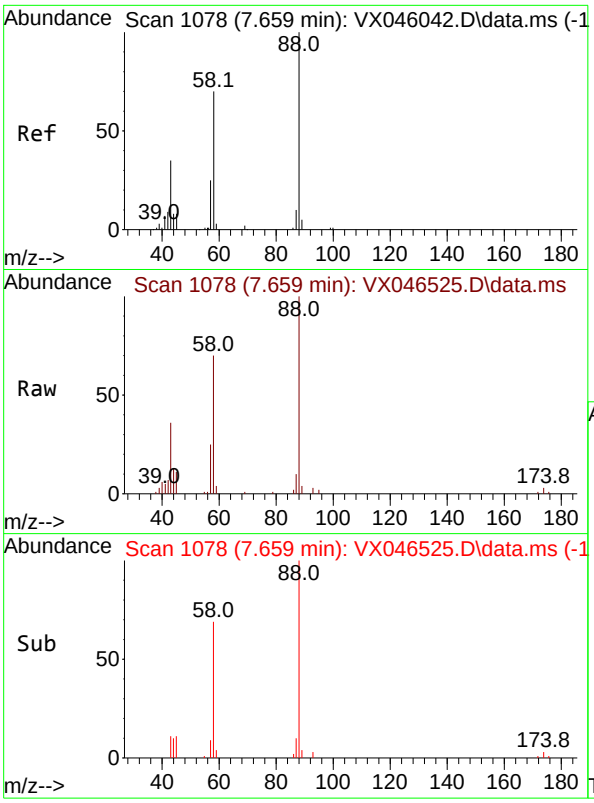


#48
Methyl methacrylate
Concen: 54.806 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 41 Resp: 76134

Ion	Ratio	Lower	Upper
41	100		
69	72.8	58.5	87.7
39	60.1	51.7	77.5

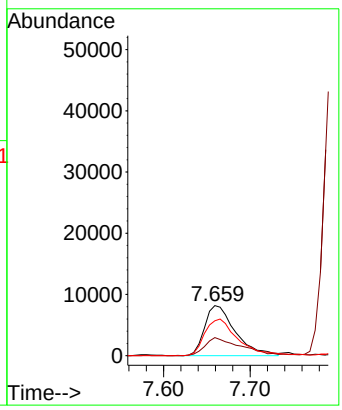




#49
1,4-Dioxane
Concen: 1082.971 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 88 Resp: 2011

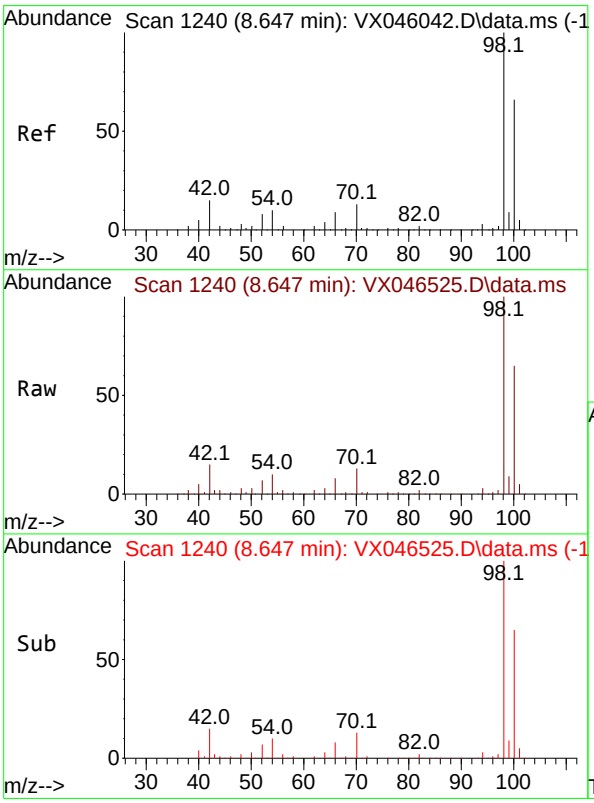
Ion	Ratio	Lower	Upper
88	100		
43	43.3	33.4	50.2
58	79.7	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

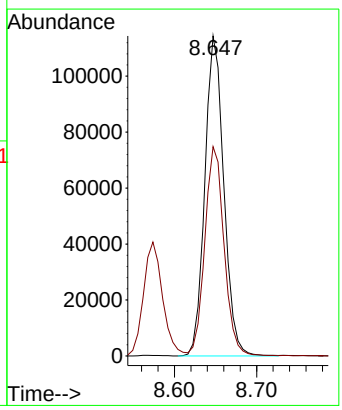
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

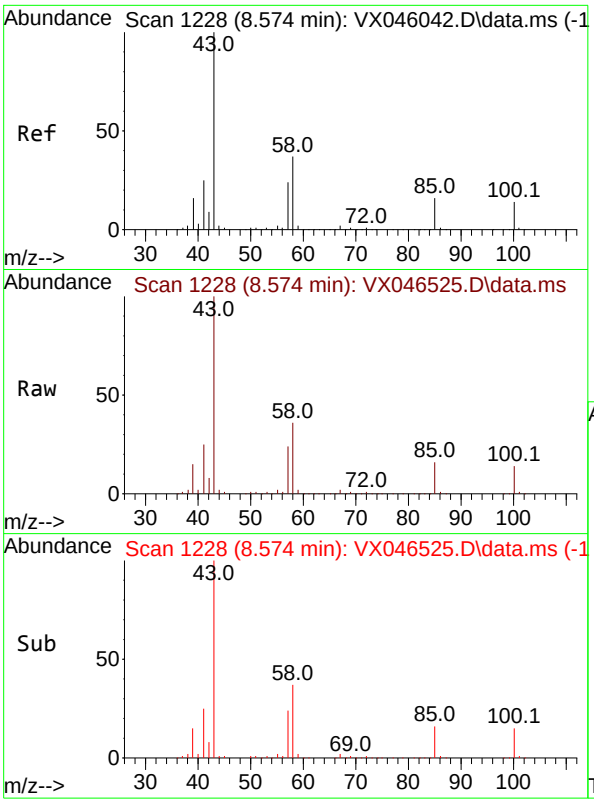


#50
Toluene-d8
Concen: 50.025 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 98 Resp: 183212

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.5	80.3

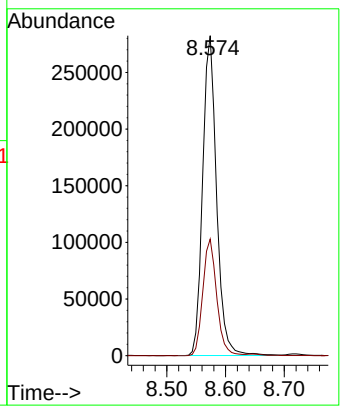




#51
4-Methyl-2-Pentanone
Concen: 271.760 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 46625

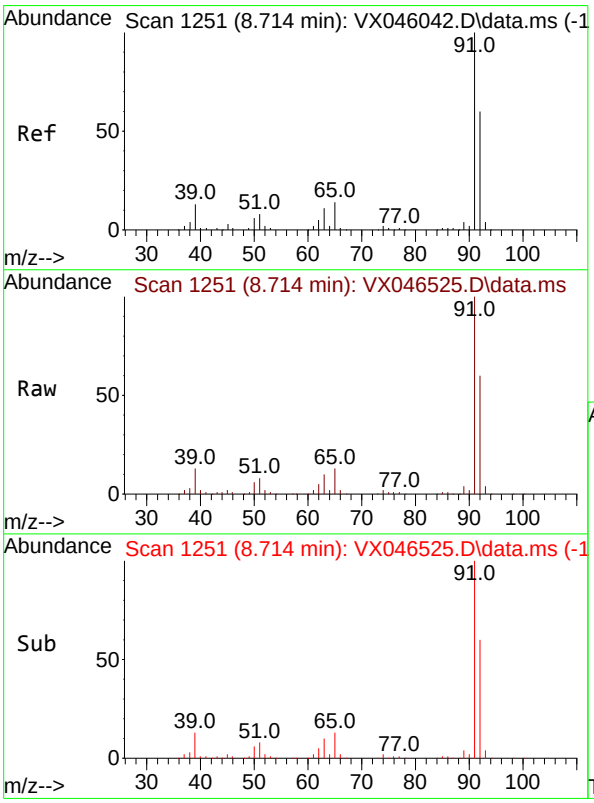
Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

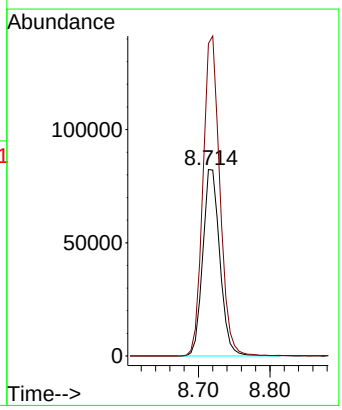
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

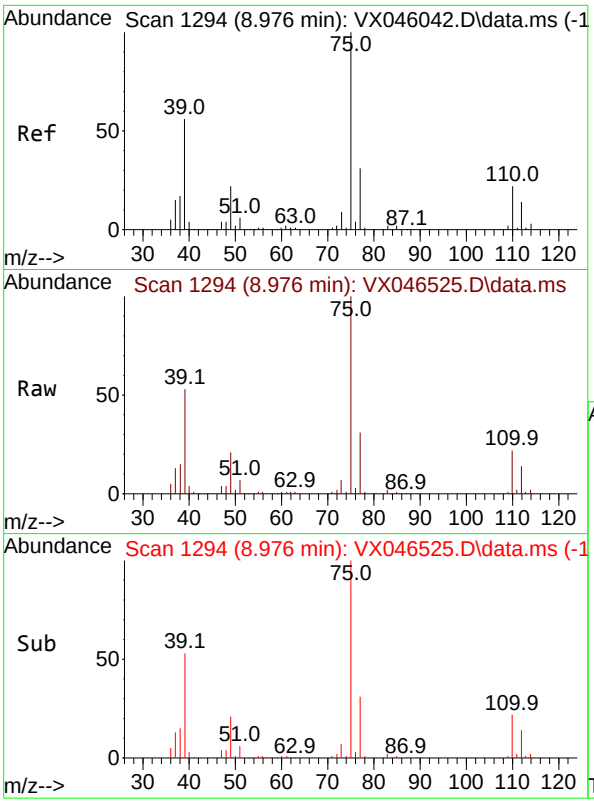


#52
Toluene
Concen: 49.719 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 92 Resp: 136448

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.6	205.0

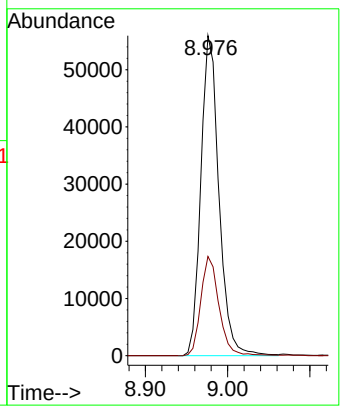




#53
t-1,3-Dichloropropene
Concen: 53.526 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 8559

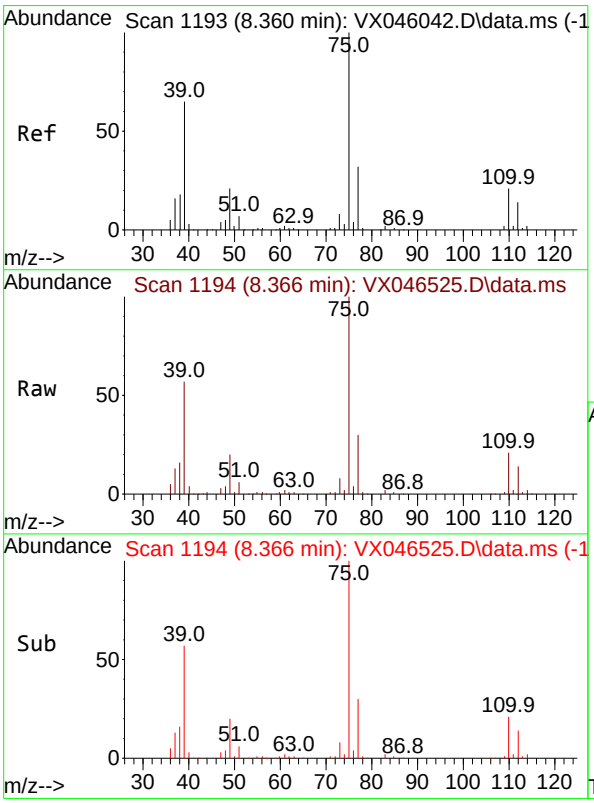
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

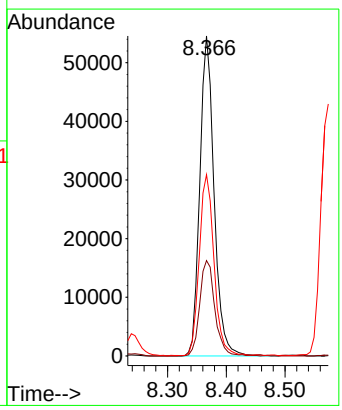
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

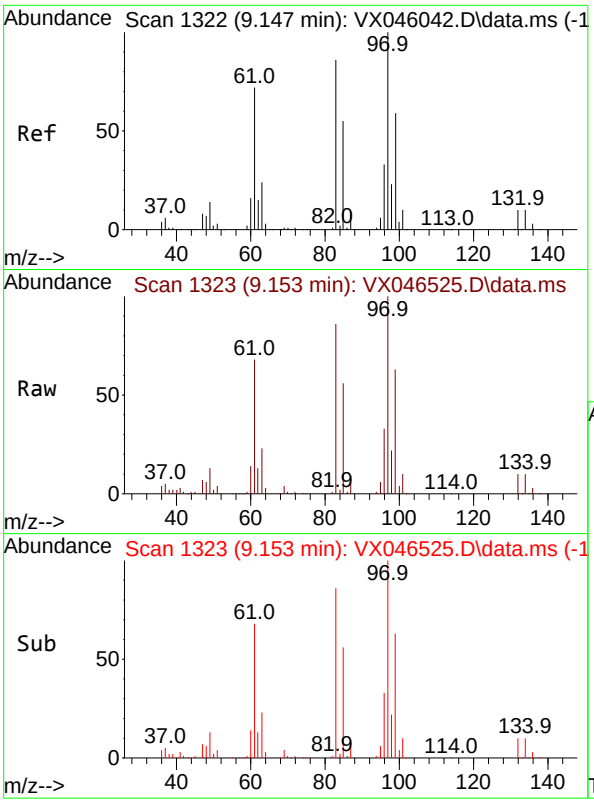


#54
cis-1,3-Dichloropropene
Concen: 51.896 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 92273

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.0
39	56.6	52.2	78.4

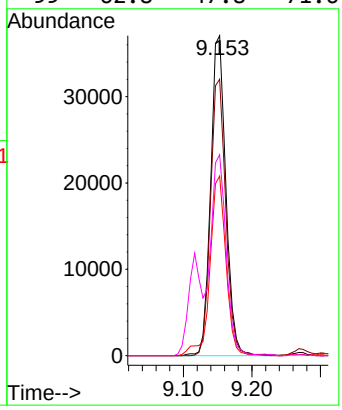




#55
1,1,2-Trichloroethane
Concen: 51.993 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 97 Resp: 5728

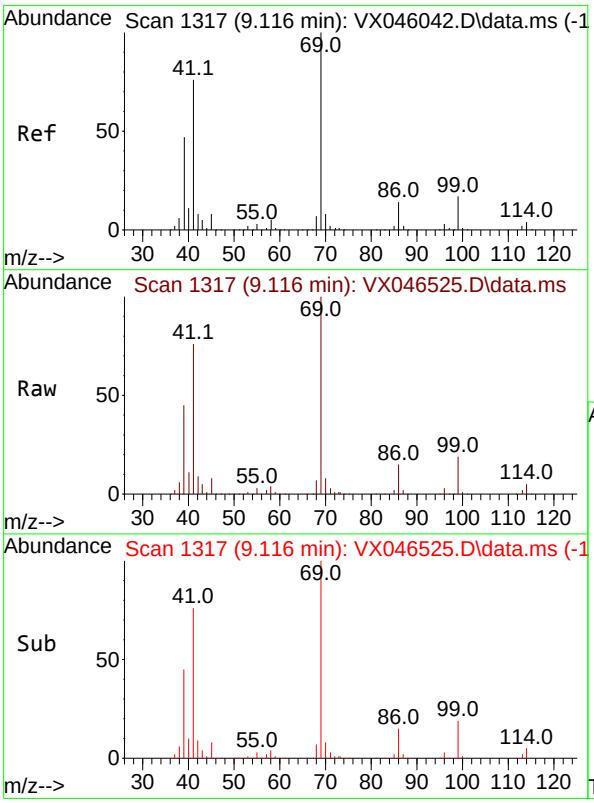
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.6
85	56.1	44.3	66.5
99	62.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

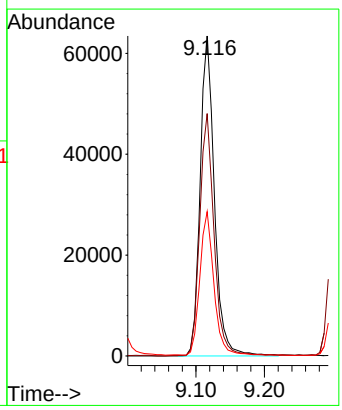
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

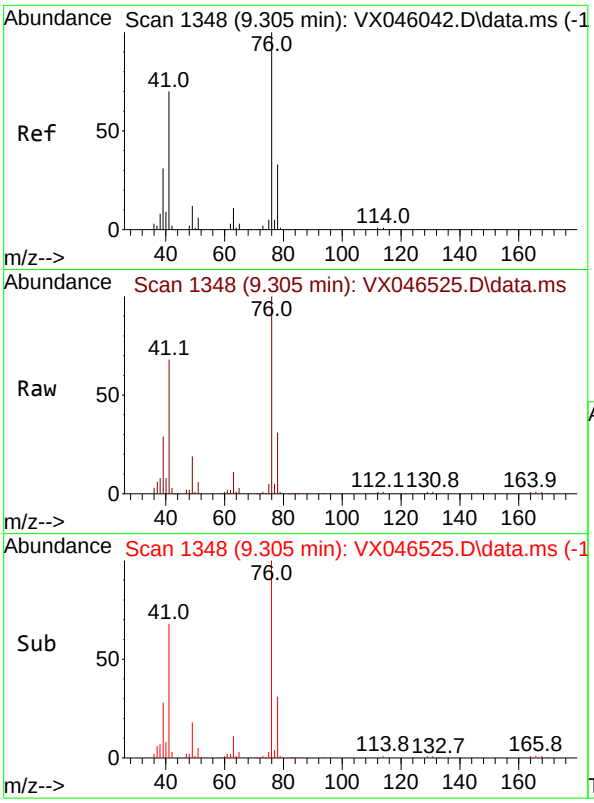


#56
Ethyl methacrylate
Concen: 54.440 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 69 Resp: 92299

Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	44.7	39.0	58.6

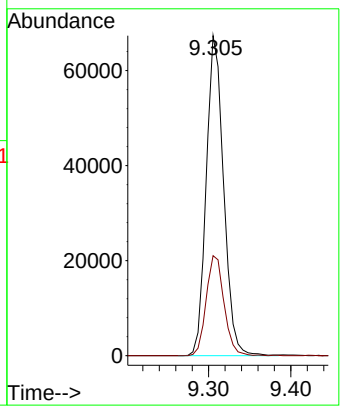




#57
1,3-Dichloropropane
Concen: 50.718 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 76 Resp: 9874

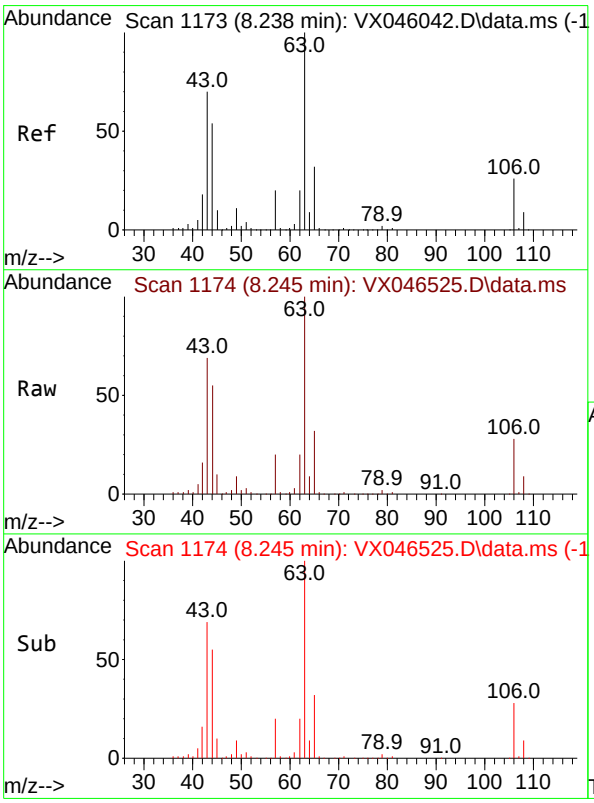
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

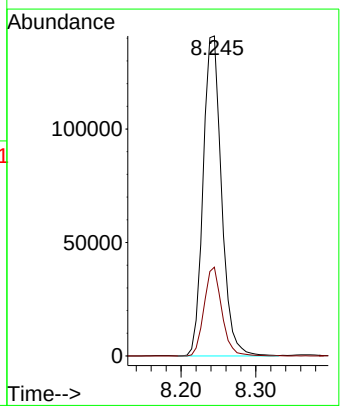
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

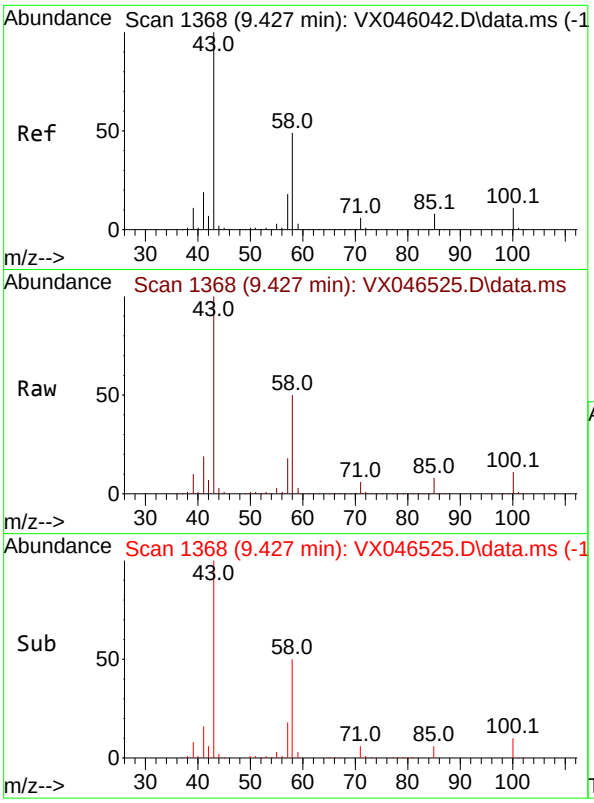


#58
2-Chloroethyl Vinyl ether
Concen: 260.553 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.001 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 63 Resp: 240616

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 274.165 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

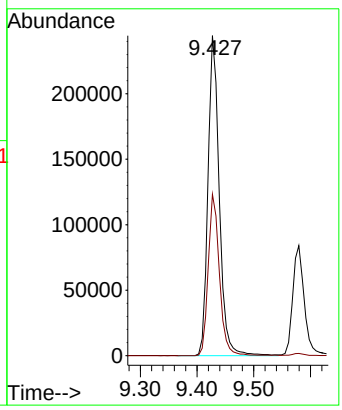
Tgt Ion: 43 Resp: 33735

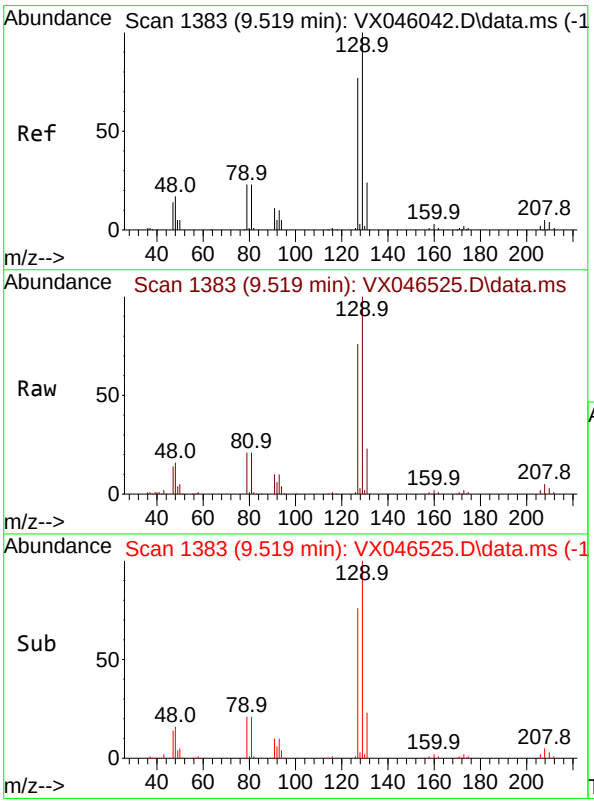
Ion	Ratio	Lower	Upper
43	100		
58	50.3	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

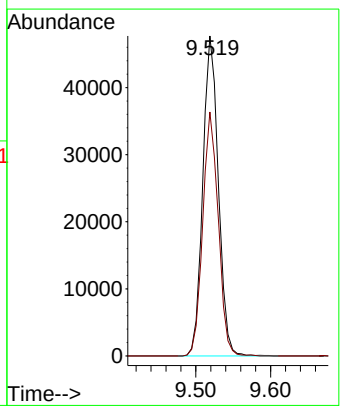


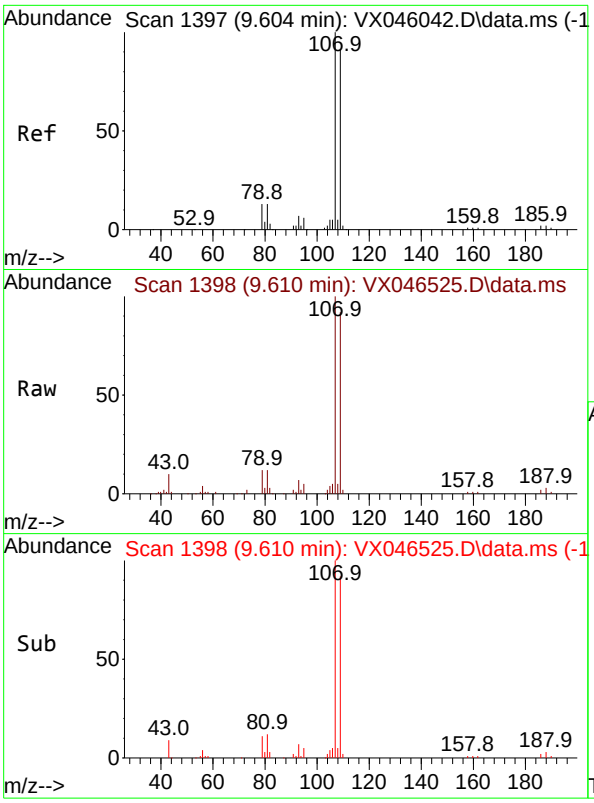


#60
Dibromochloromethane
Concen: 53.100 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:129 Resp: 68814

Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.3	117.8

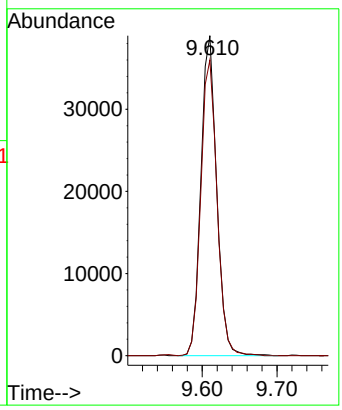




#61
1,2-Dibromoethane
Concen: 49.689 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:107 Resp: 5704

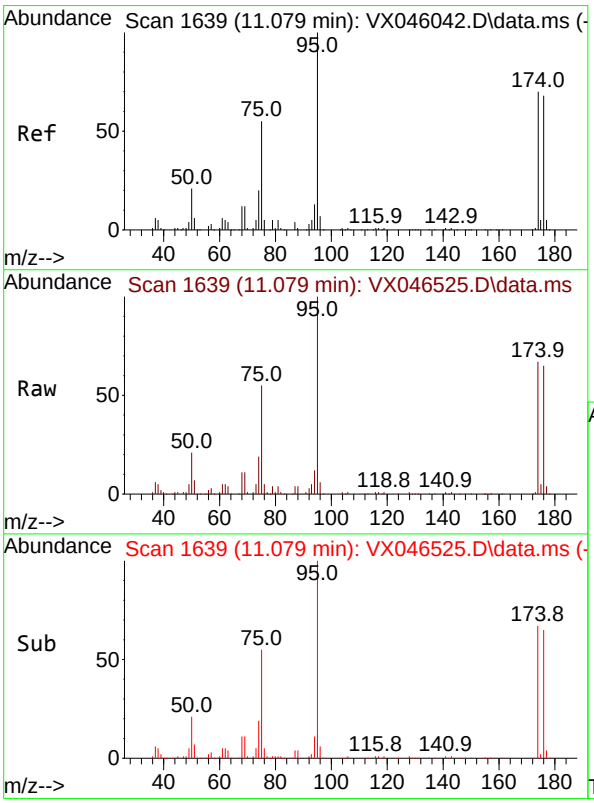
Ion	Ratio	Lower	Upper
107	100		
109	95.1	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

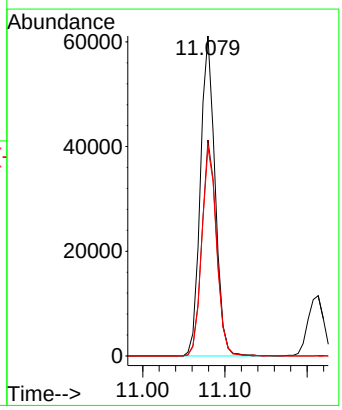
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

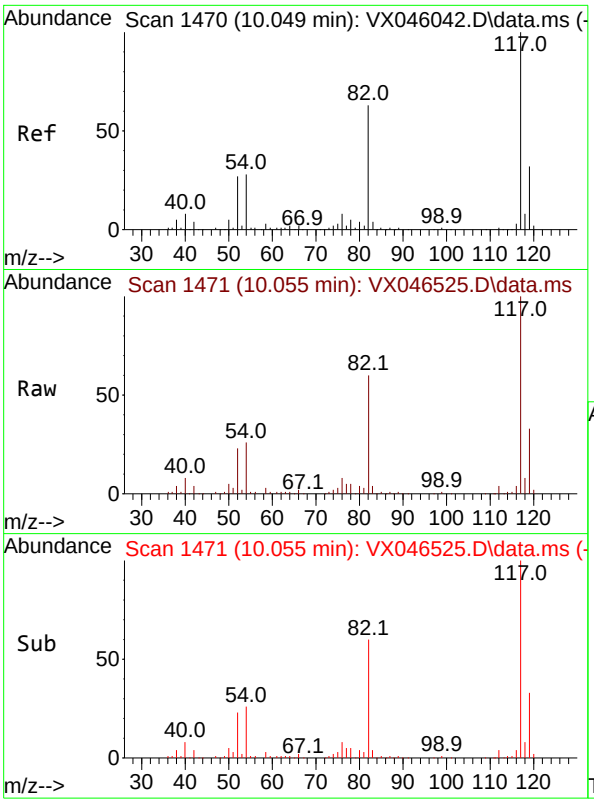


#62
4-Bromofluorobenzene
Concen: 49.880 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 95 Resp: 75584

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	65.6	0.0	131.4

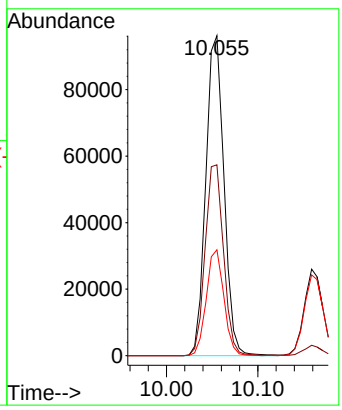




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:117 Resp: 13253

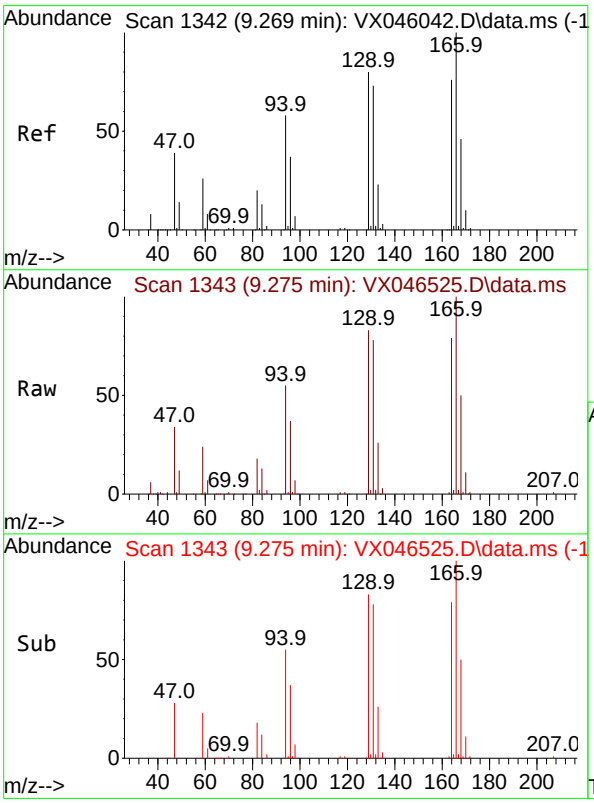
Ion	Ratio	Lower	Upper
117	100		
82	59.6	50.6	76.0
119	33.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

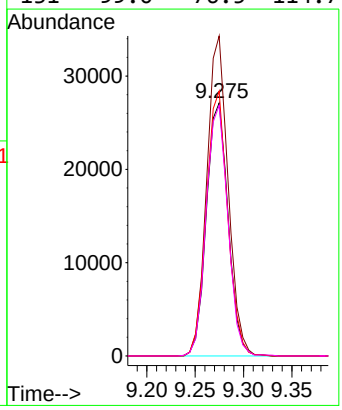
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

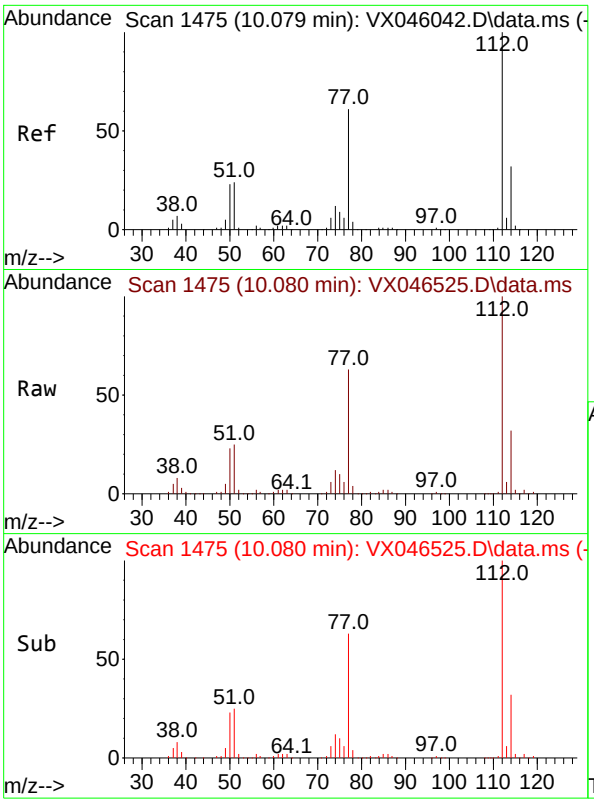


#64
Tetrachloroethene
Concen: 47.739 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:164 Resp: 42310

Ion	Ratio	Lower	Upper
164	100		
166	126.5	105.0	157.6
129	104.6	83.5	125.3
131	99.0	76.5	114.7

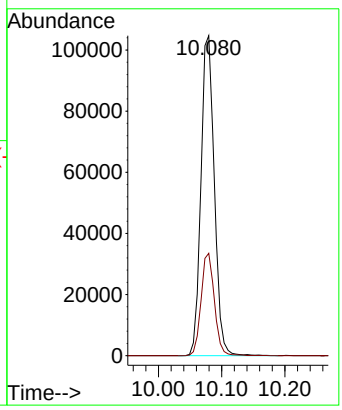




#65
Chlorobenzene
Concen: 49.518 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.001 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:112 Resp: 15435

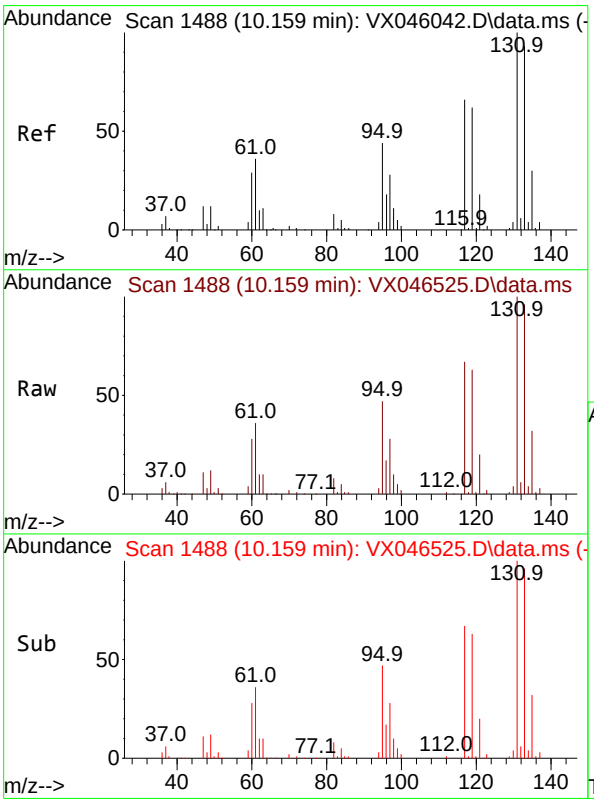
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

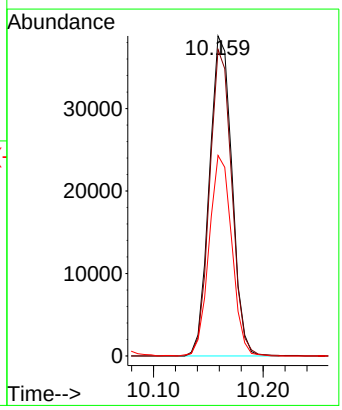
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

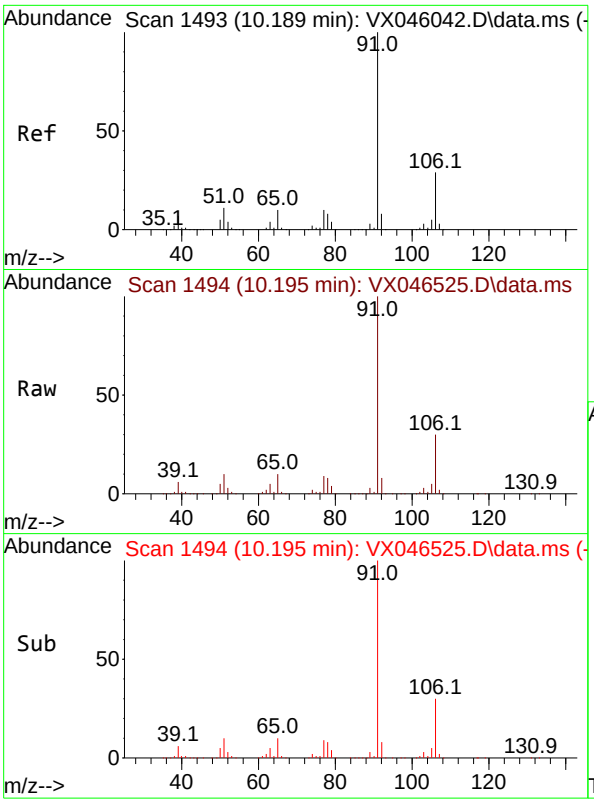


#66
1,1,1,2-Tetrachloroethane
Concen: 52.723 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:131 Resp: 55536

Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	63.0	31.6	95.0

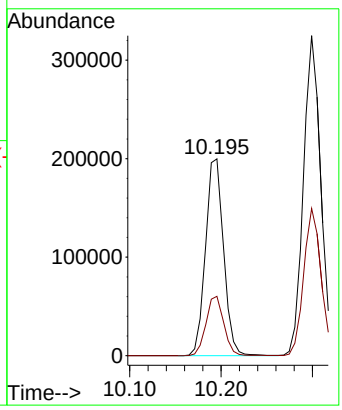




#67
Ethyl Benzene
Concen: 50.288 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 91 Resp: 27365

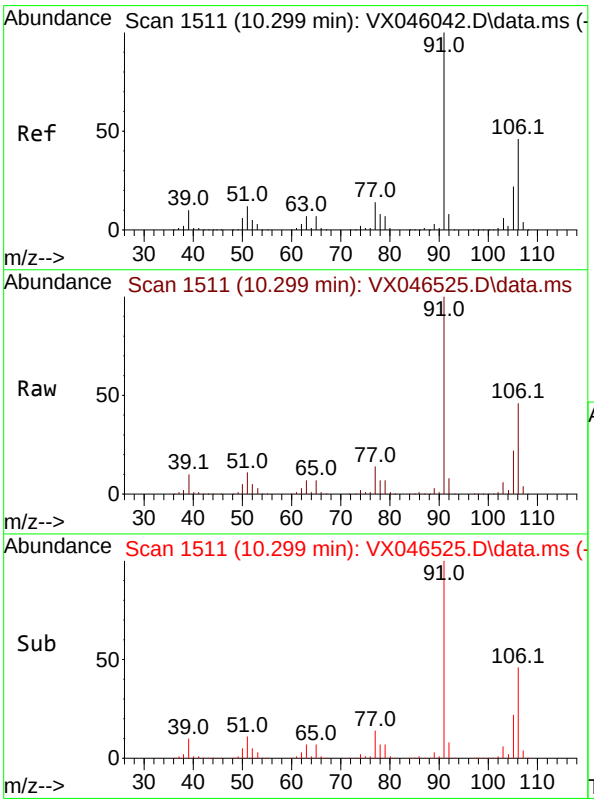
Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

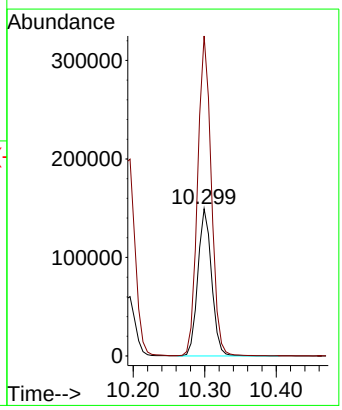
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

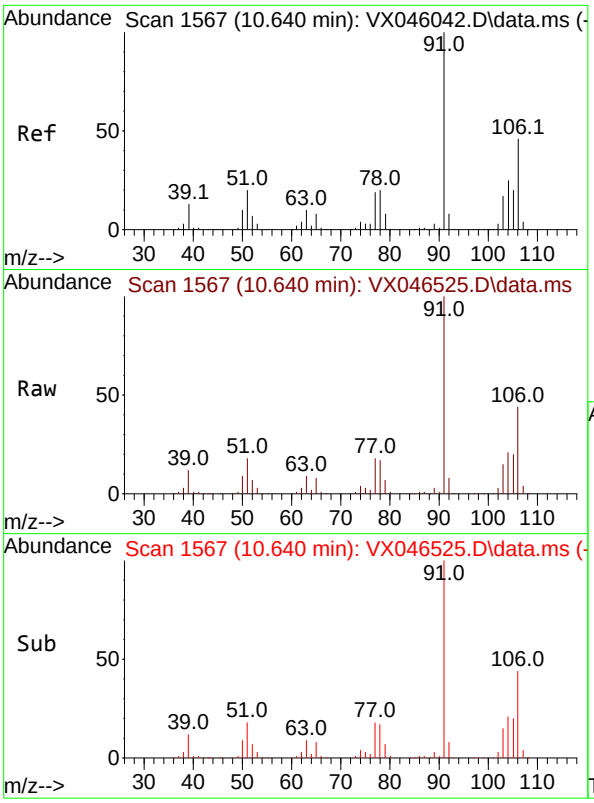


#68
m/p-Xylenes
Concen: 100.941 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:106 Resp: 199258

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8

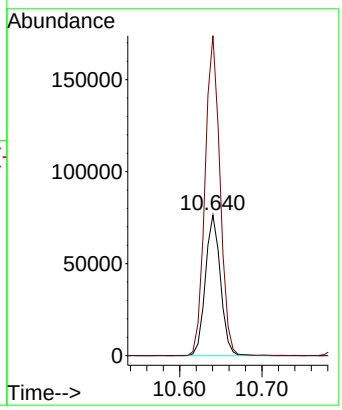




#69
o-Xylene
Concen: 50.882 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:106 Resp: 9715

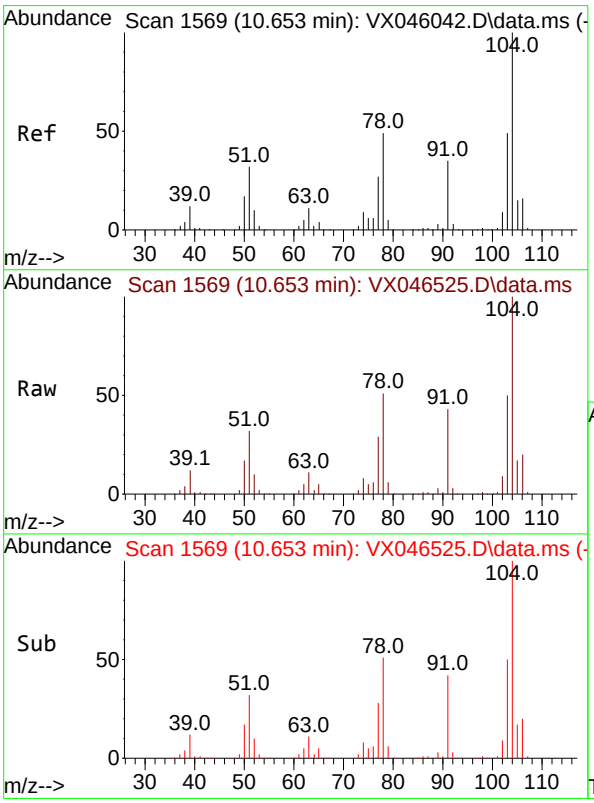
Ion	Ratio	Lower	Upper
106	100		
91	227.2	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

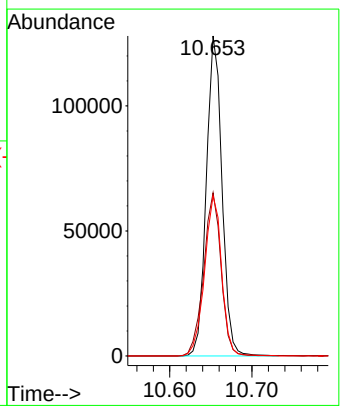
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

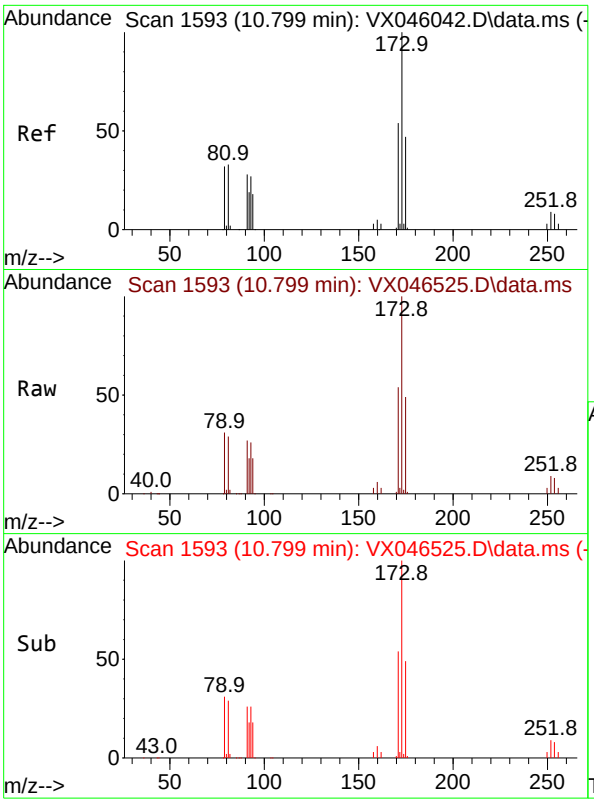


#70
Styrene
Concen: 51.899 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.005 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:104 Resp: 169628

Ion	Ratio	Lower	Upper
104	100		
78	56.6	45.7	68.5
103	54.8	43.7	65.5

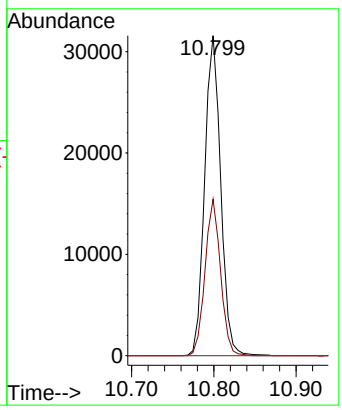




#71
Bromoform
Concen: 53.200 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:173 Resp: 4272

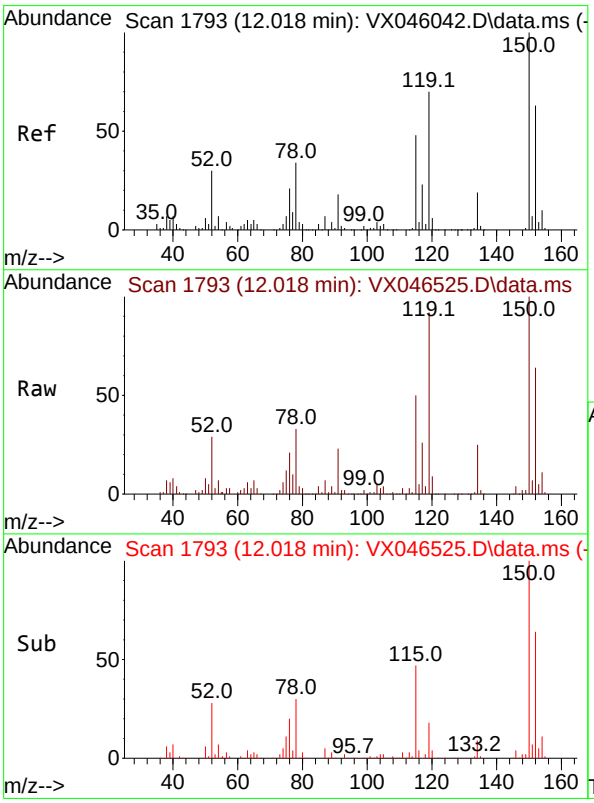
Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

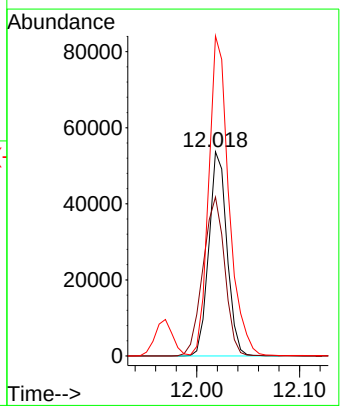
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

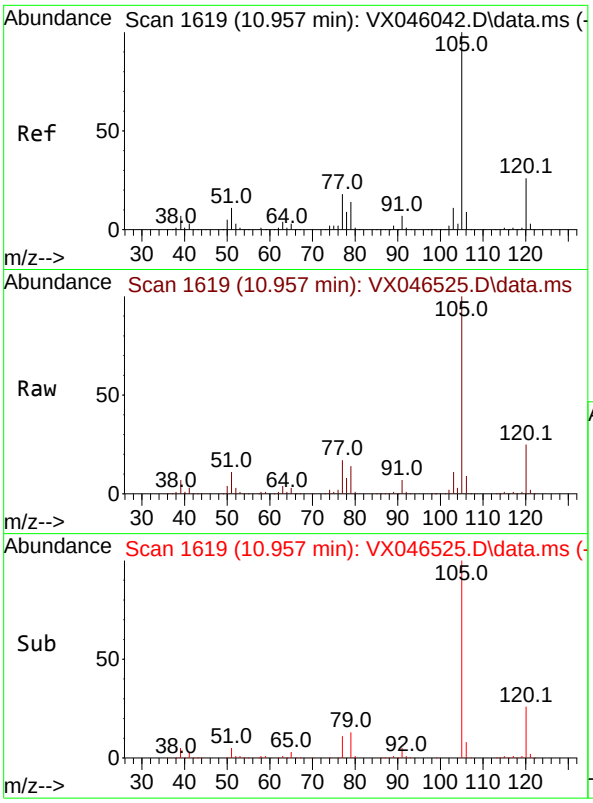


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:152 Resp: 65454

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	174.6	0.0	351.0

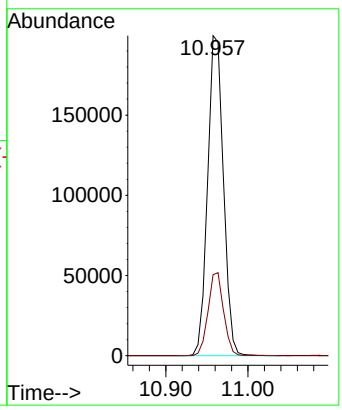




#73
Isopropylbenzene
Concen: 51.765 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:105 Resp: 26634

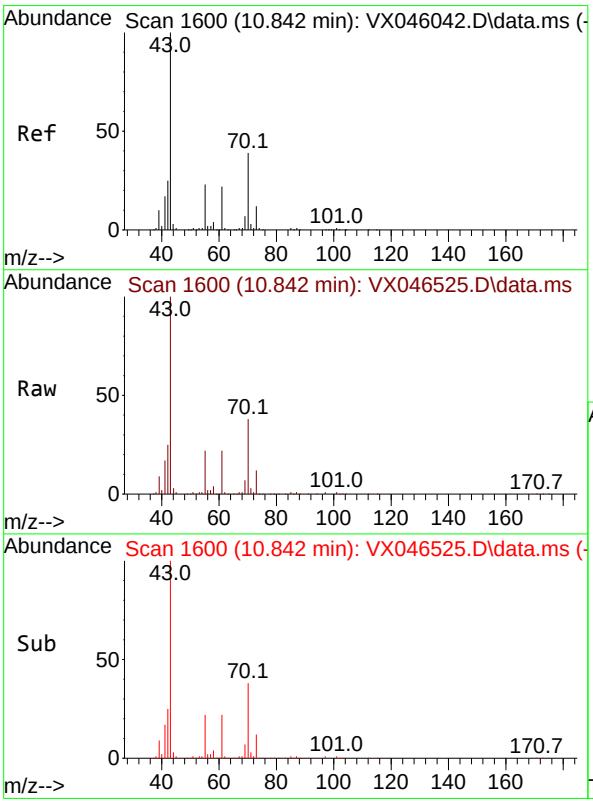
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

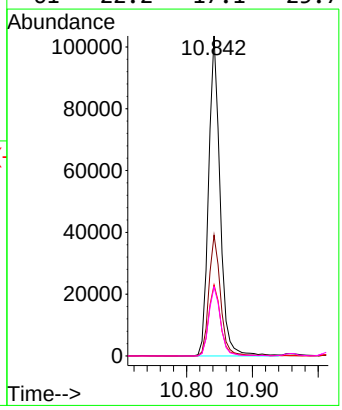
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

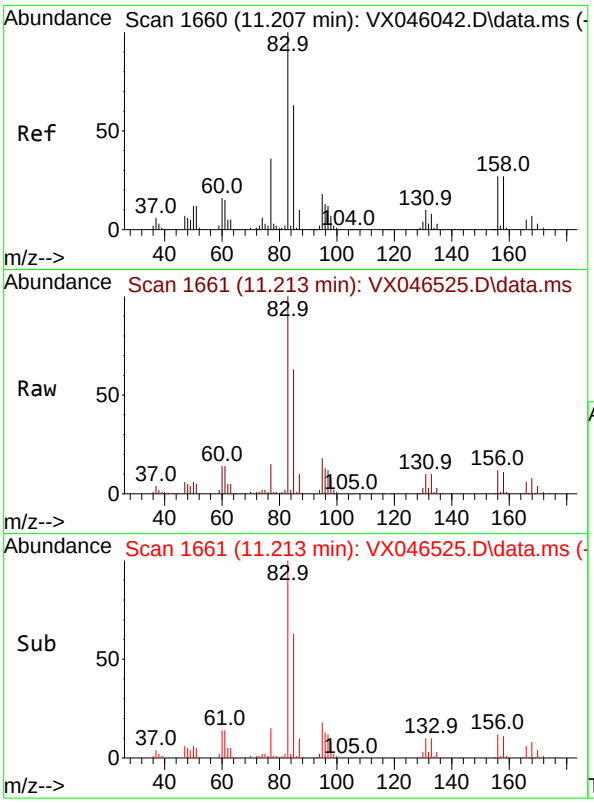


#74
N-amyl acetate
Concen: 55.456 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 43 Resp: 125656

Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.9	46.3
55	23.0	18.7	28.1
61	22.2	17.1	25.7

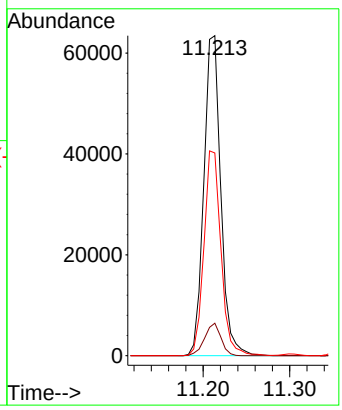




#75
1,1,2,2-Tetrachloroethane
Concen: 52.405 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 83 Resp: 8630

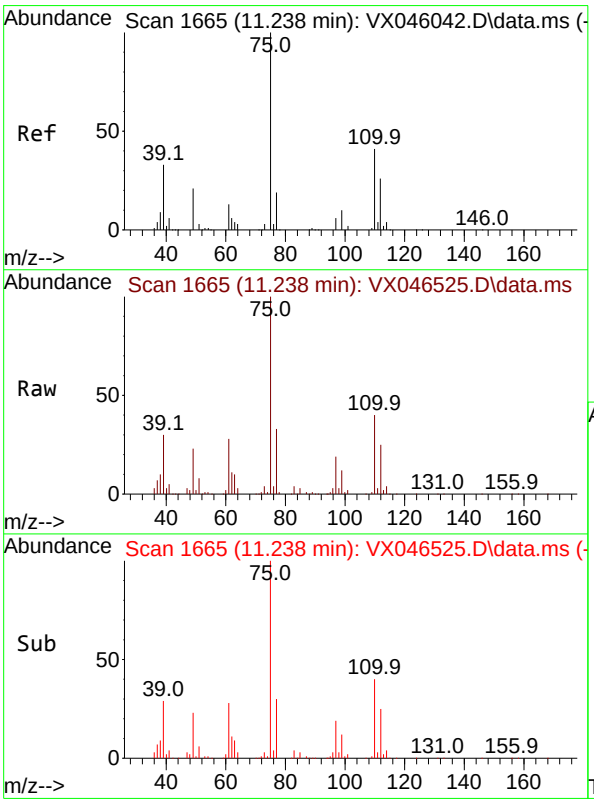
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

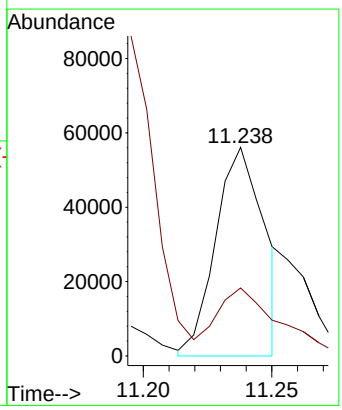
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

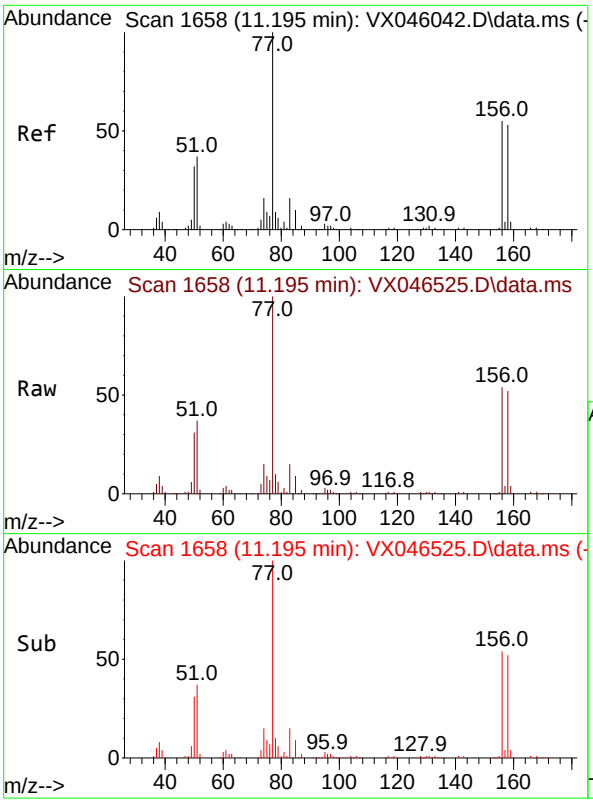


#76
1,2,3-Trichloropropane
Concen: 53.262 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 73842

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.5	61.5

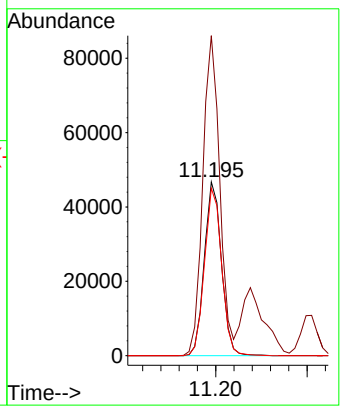




#77
Bromobenzene
Concen: 50.748 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:156 Resp: 6060

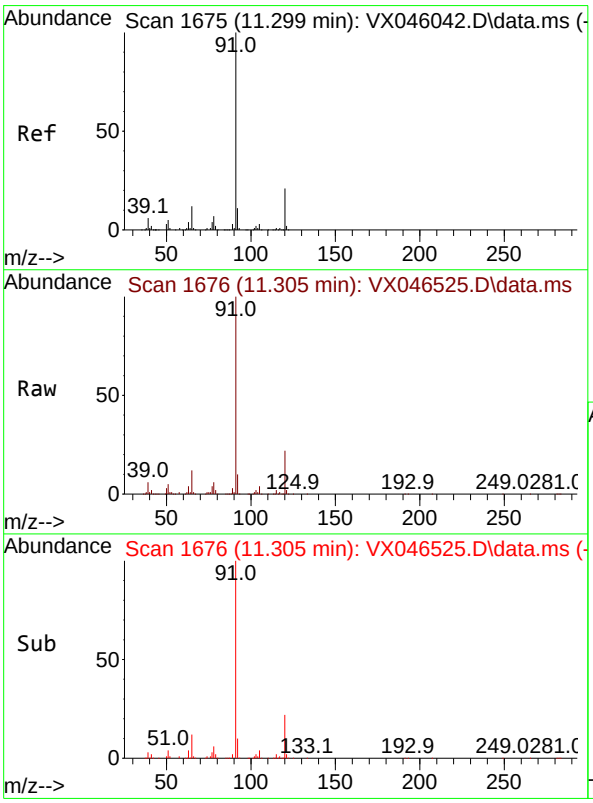
Ion	Ratio	Lower	Upper
156	100		
77	182.3	92.8	278.3
158	96.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

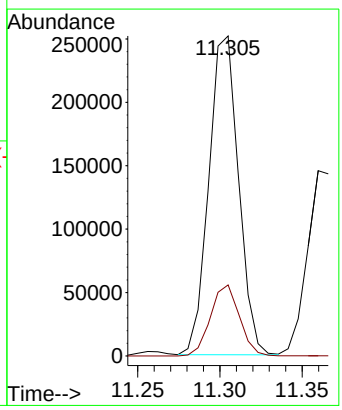
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

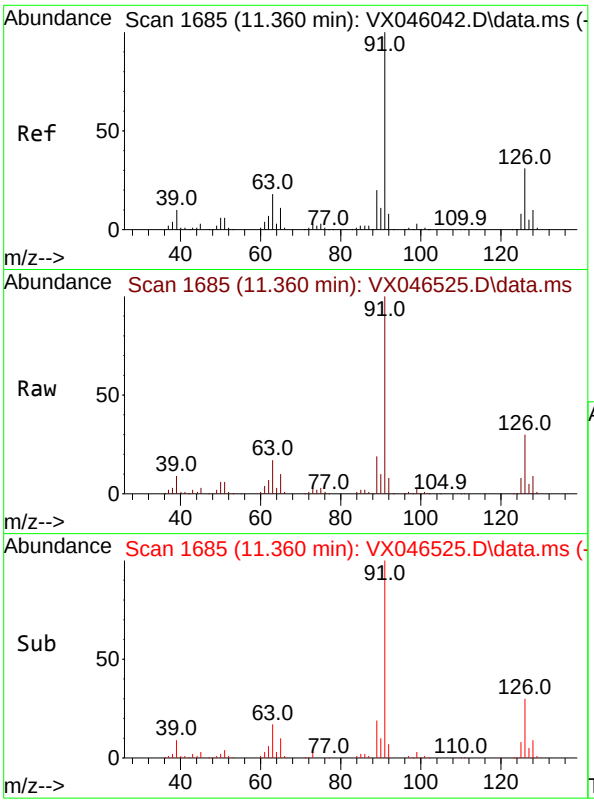


#78
n-propylbenzene
Concen: 50.860 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 91 Resp: 316743

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 51.014 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

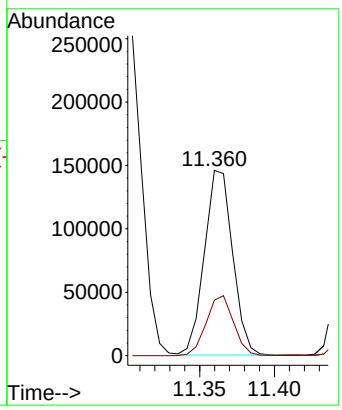
Tgt Ion: 91 Resp: 19158

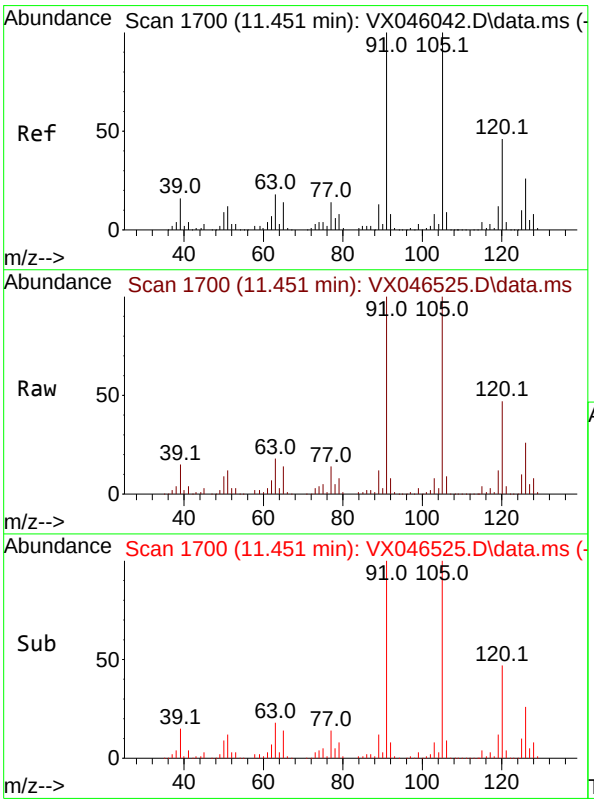
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

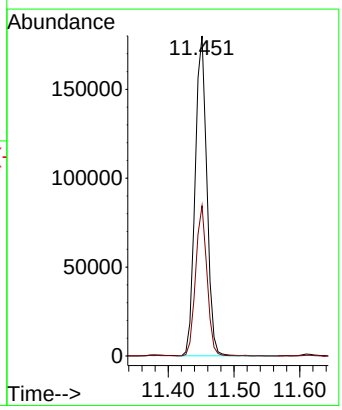


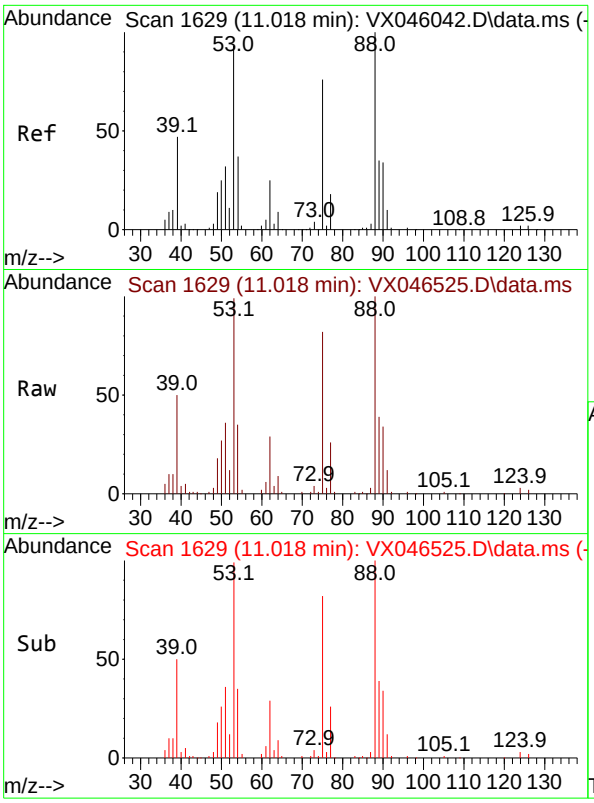


#80
1,3,5-Trimethylbenzene
Concen: 51.612 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:105 Resp: 221291

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2

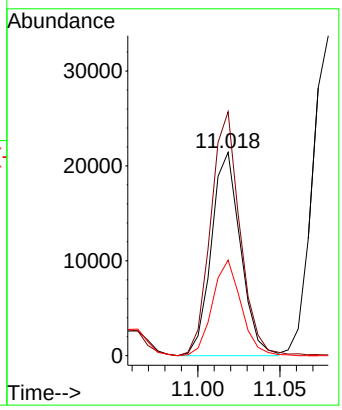




#81
trans-1,4-Dichloro-2-butene
Concen: 55.208 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 2653

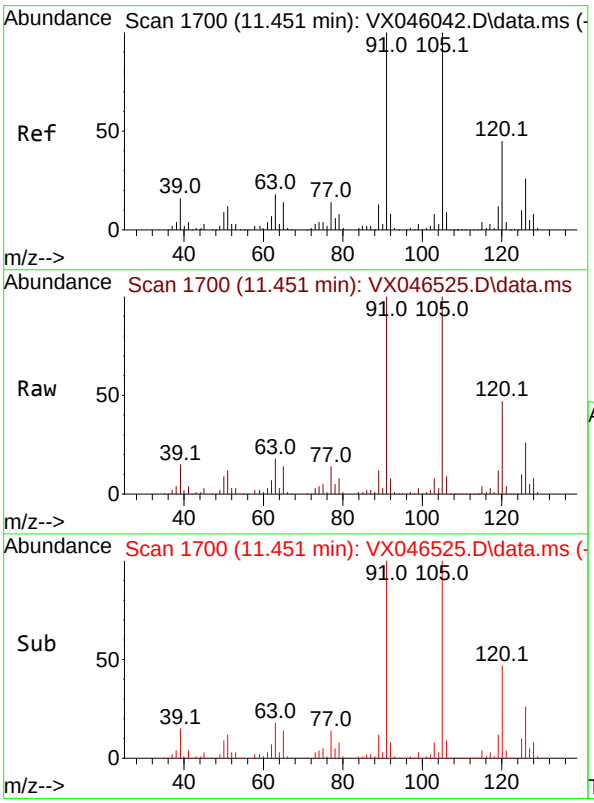
Ion	Ratio	Lower	Upper
75	100		
53	120.6	100.5	150.7
89	46.0	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

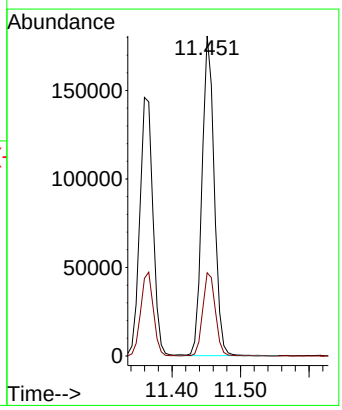
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

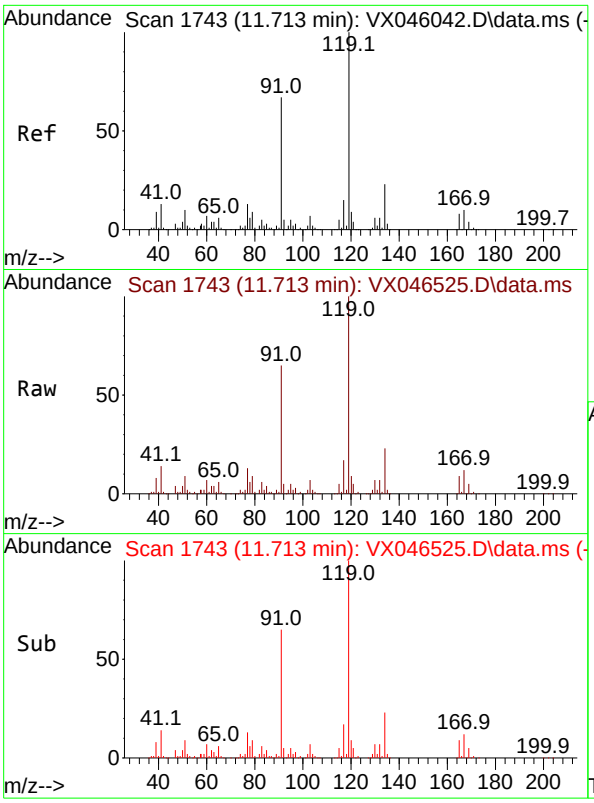


#82
4-Chlorotoluene
Concen: 50.368 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 91 Resp: 224207

Ion	Ratio	Lower	Upper
91	100		
126	27.0	13.3	39.8

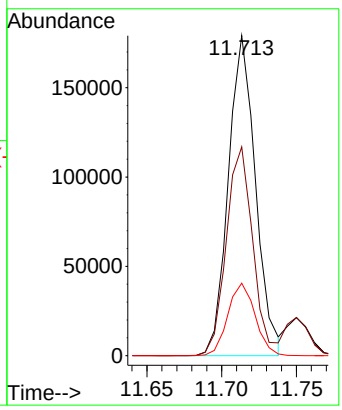




#83
tert-Butylbenzene
Concen: 51.919 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:119 Resp: 22661

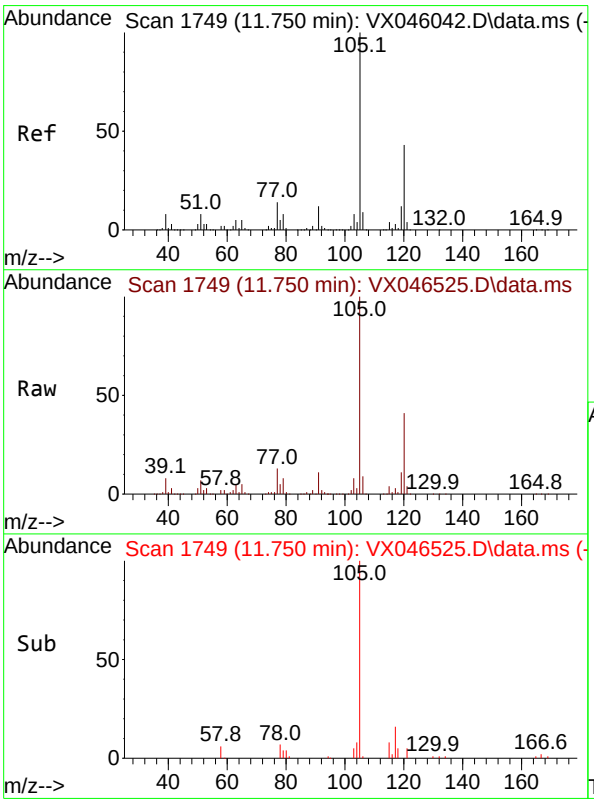
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

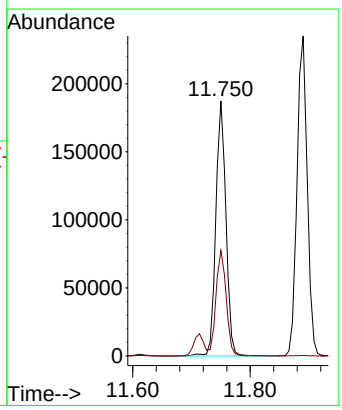
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

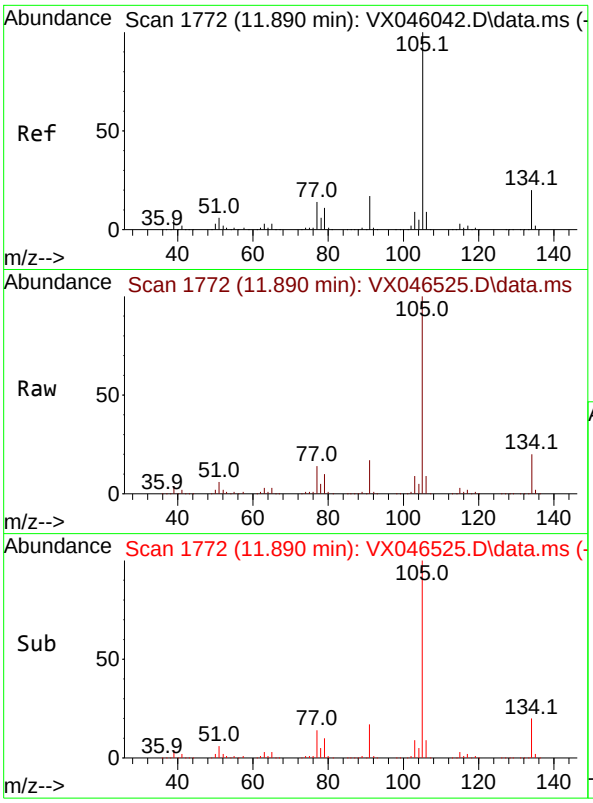


#84
1,2,4-Trimethylbenzene
Concen: 51.464 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:105 Resp: 223226

Ion	Ratio	Lower	Upper
105	100		
120	41.8	21.2	63.6





#85
sec-Butylbenzene
Concen: 50.644 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

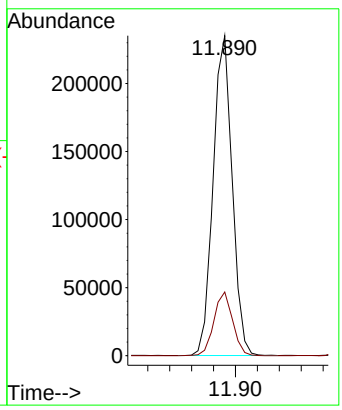
Tgt Ion:105 Resp: 28402

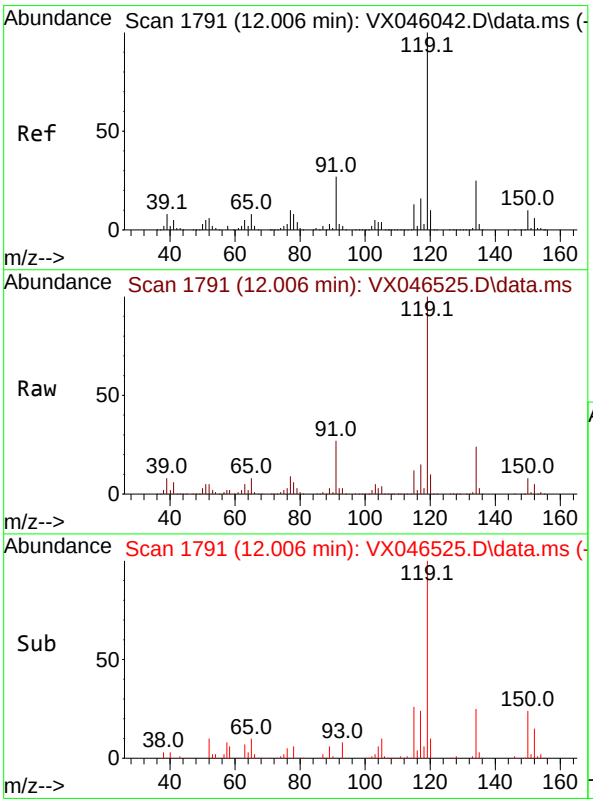
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

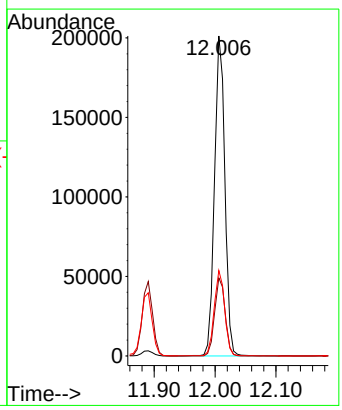


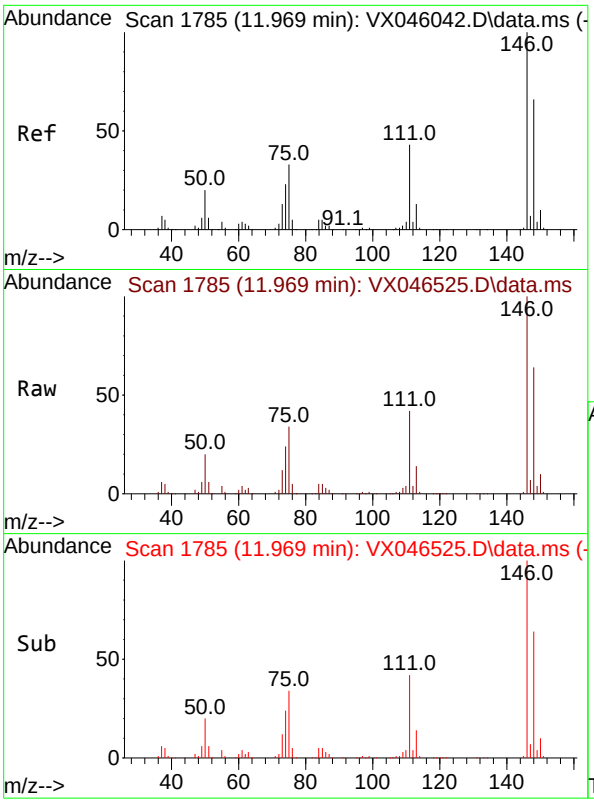


#86
p-Isopropyltoluene
Concen: 50.815 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:119 Resp: 237583

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.5	37.5
91	26.9	13.8	41.4

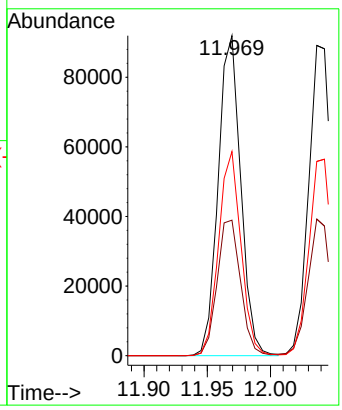




#87
1,3-Dichlorobenzene
Concen: 49.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:146 Resp: 11403

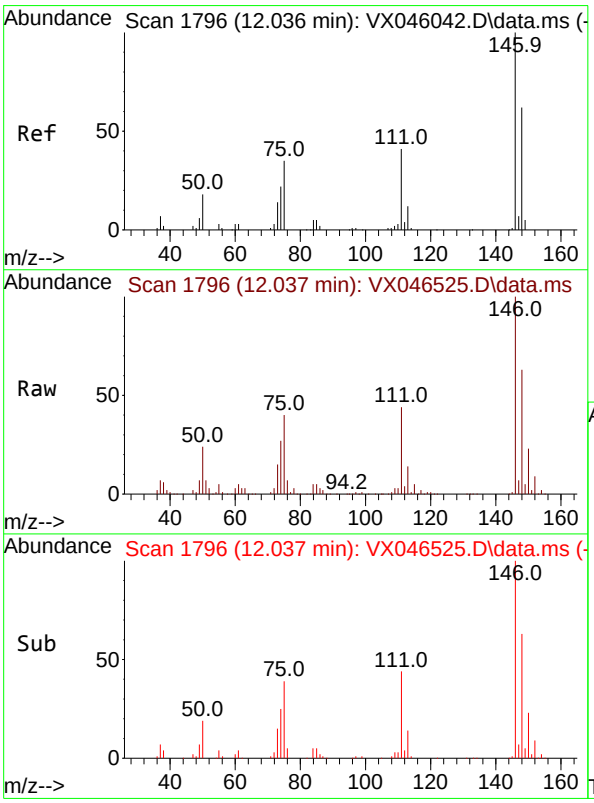
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.3
148	63.2	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

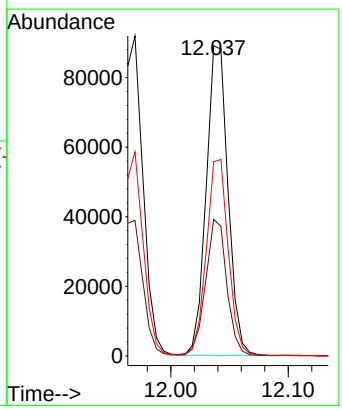
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

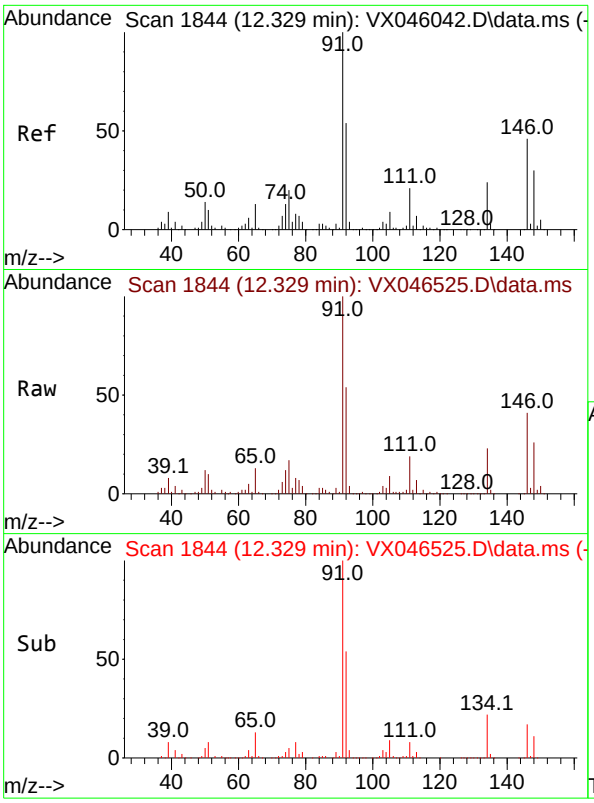


#88
1,4-Dichlorobenzene
Concen: 47.788 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.005 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:146 Resp: 114838

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.3	31.9	95.5

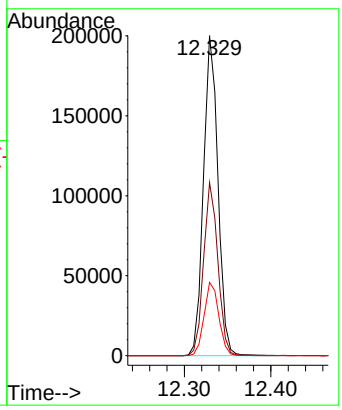




#89
n-Butylbenzene
Concen: 50.601 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 91 Resp: 23233

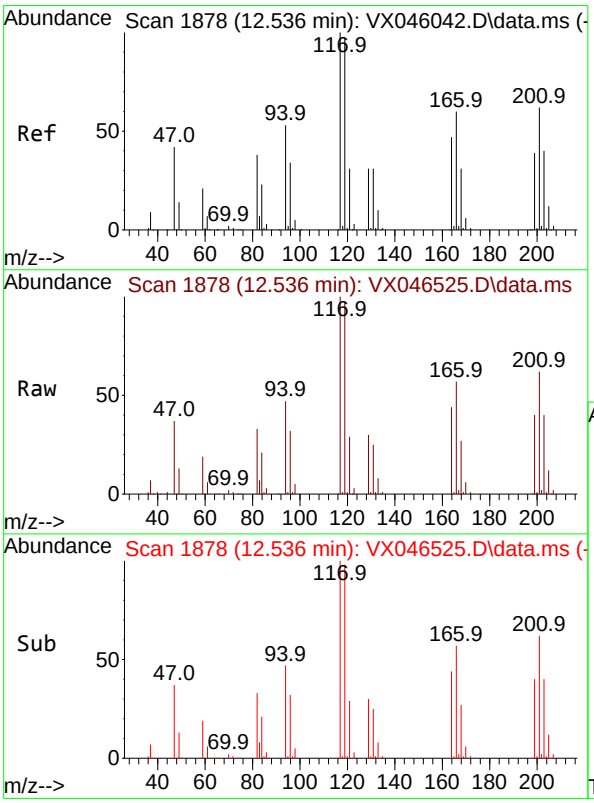
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	23.4	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

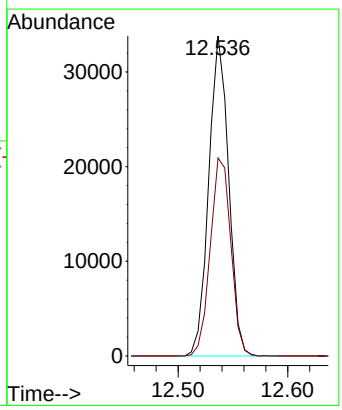
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

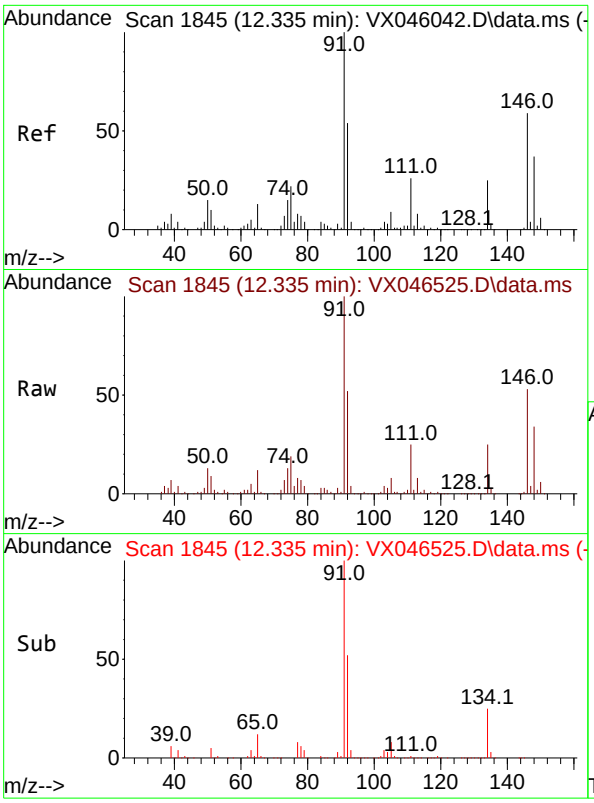


#90
Hexachloroethane
Concen: 51.141 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:117 Resp: 42498

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7

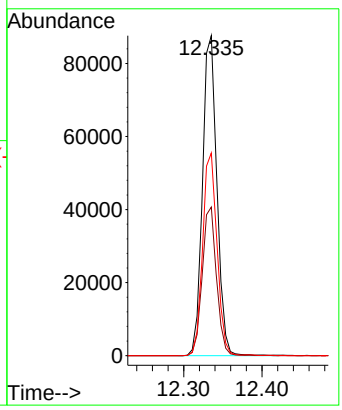




#91
1,2-Dichlorobenzene
Concen: 49.847 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:146 Resp: 11158

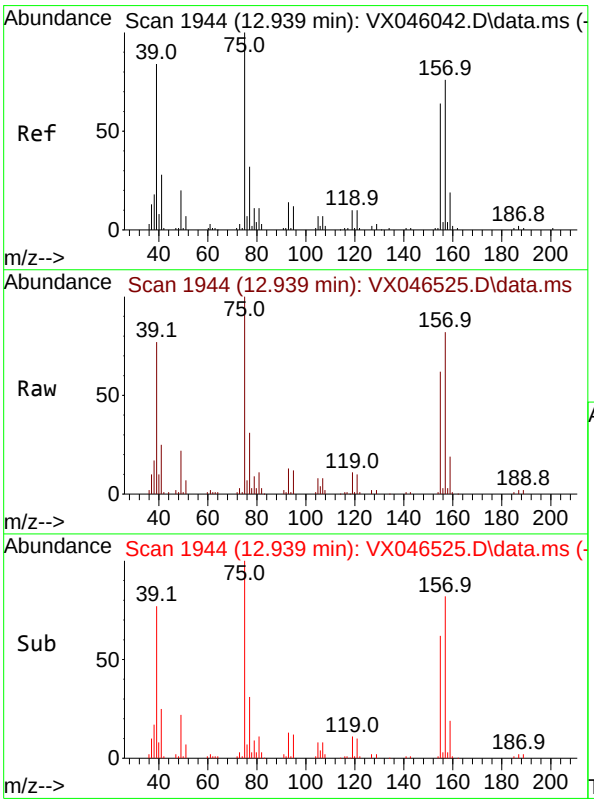
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.4	67.3
148	63.1	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

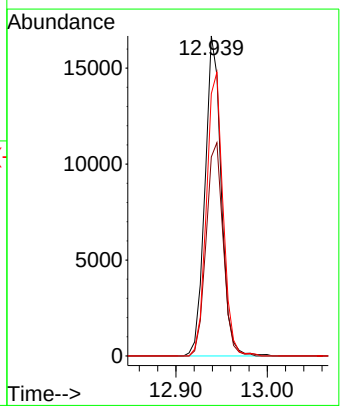
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

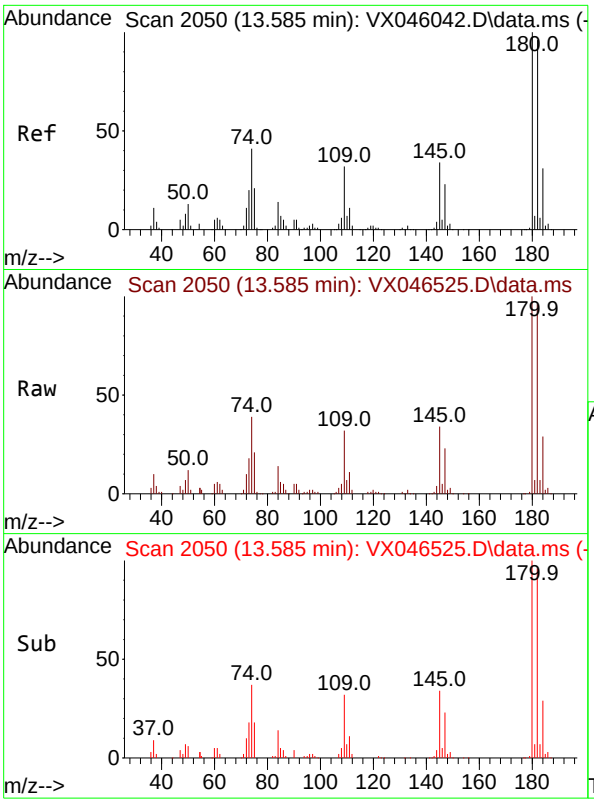


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.886 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion: 75 Resp: 20611

Ion	Ratio	Lower	Upper
75	100		
155	69.3	34.9	104.8
157	89.8	43.8	131.4

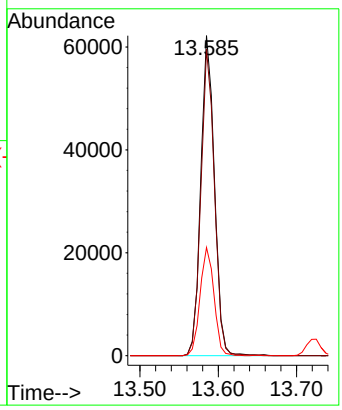




#93
1,2,4-Trichlorobenzene
Concen: 49.224 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:180 Resp: 7516

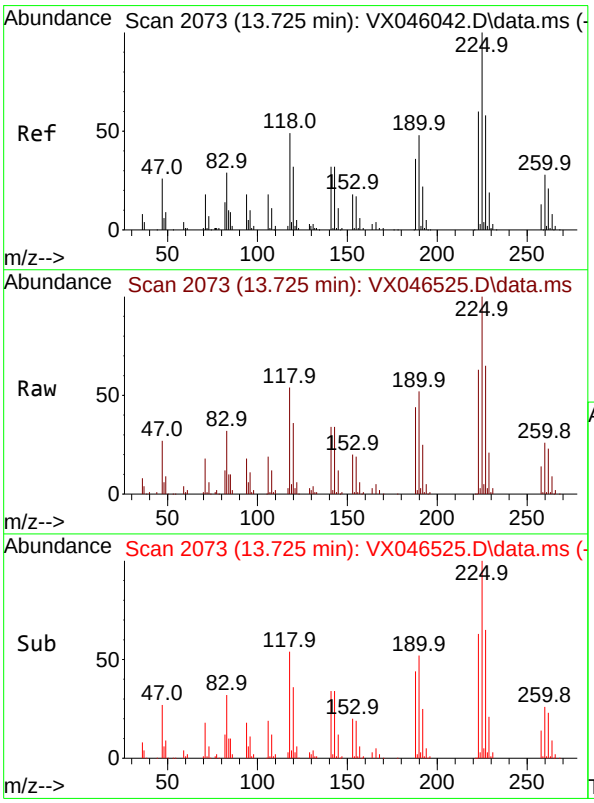
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

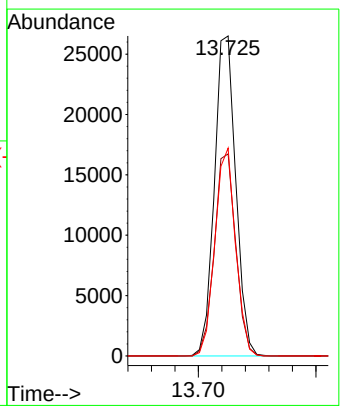
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

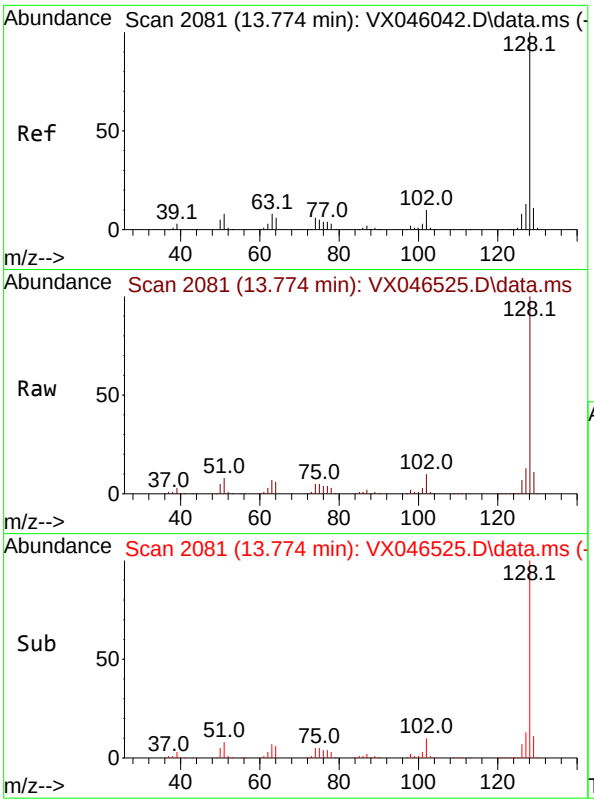


#94
Hexachlorobutadiene
Concen: 47.222 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:225 Resp: 33512

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	62.6	30.9	92.7

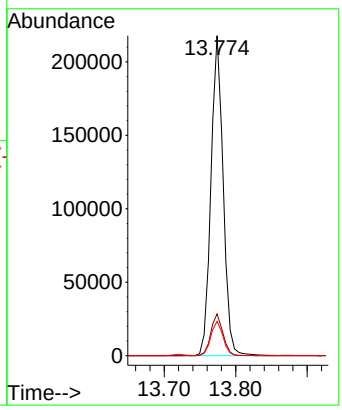




#95
Naphthalene
Concen: 53.245 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:128 Resp: 25784

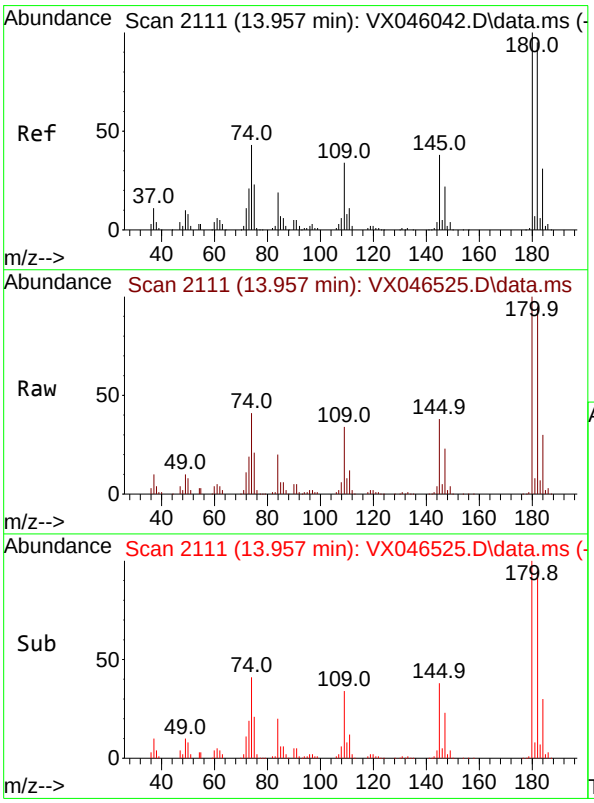
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations
APPROVED

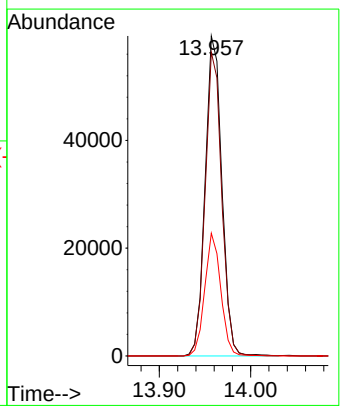
Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.082 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046525.D
Acq: 06 Jun 2025 14:11

Tgt Ion:180 Resp: 75157

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	36.9	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.694	0.682	1.7	103	0.00
3	P	Chloromethane	0.632	0.609	3.6	103	0.00
4	C	Vinyl Chloride	0.630	0.624	1.0#	102	0.00
5	T	Bromomethane	0.382	0.389	-1.8	95	0.00
6	T	Chloroethane	0.409	0.384	6.1	100	0.00
7	T	Trichlorofluoromethane	1.042	1.038	0.4	99	0.00
8	T	Diethyl Ether	0.368	0.367	0.3	100	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.657	0.651	0.9	99	0.00
10	T	Methyl Iodide	0.712	0.773	-8.6	105	0.00
11	T	Tert butyl alcohol	0.099	0.108	-9.1	108	0.00
12	CM	1,1-Dichloroethene	0.594	0.583	1.9#	100	0.00
13	T	Acrolein	0.103	0.118	-14.6	102	0.00
14	T	Allyl chloride	1.166	1.202	-3.1	103	0.00
15	T	Acrylonitrile	0.373	0.398	-6.7	102	-0.01
16	T	Acetone	0.381	0.360	5.5	103	0.00
17	T	Carbon Disulfide	1.481	1.262	14.8	101	0.00
18	T	Methyl Acetate	1.060	1.216	-14.7	105	0.00
19	T	Methyl tert-butyl Ether	2.077	2.233	-7.5	103	-0.01
20	T	Methylene Chloride	0.714	0.685	4.1	101	0.00
21	T	trans-1,2-Dichloroethene	0.628	0.601	4.3	100	-0.01
22	T	Diisopropyl ether	2.298	2.429	-5.7	101	-0.01
23	T	Vinyl Acetate	1.775	1.889	-6.4	100	-0.01
24	P	1,1-Dichloroethane	1.281	1.312	-2.4	101	-0.01
25	T	2-Butanone	0.495	0.530	-7.1	102	-0.01
26	T	2,2-Dichloropropane	0.951	1.018	-7.0	102	-0.01
27	T	cis-1,2-Dichloroethene	0.773	0.762	1.4	100	0.00
28	T	Bromochloromethane	0.611	0.604	1.1	100	-0.01
29	T	Tetrahydrofuran	0.313	0.334	-6.7	103	0.00
30	C	Chloroform	1.342	1.369	-2.0#	101	-0.01
31	T	Cyclohexane	1.034	1.015	1.8	99	-0.01
32	T	1,1,1-Trichloroethane	1.148	1.186	-3.3	101	0.00
33	S	1,2-Dichloroethane-d4	0.890	0.894	-0.4	100	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	-0.01
35	S	Dibromofluoromethane	0.368	0.375	-1.9	99	-0.01
36	T	1,1-Dichloropropene	0.525	0.501	4.6	100	-0.02
37	T	Ethyl Acetate	0.513	0.597	-16.4	104	-0.01
38	T	Carbon Tetrachloride	0.588	0.581	1.2	100	-0.01
39	T	Methylcyclohexane	0.620	0.590	4.8	100	0.00
40	TM	Benzene	1.479	1.469	0.7	100	-0.01
41	T	Methacrylonitrile	0.318	0.358	-12.6	107	-0.01
42	TM	1,2-Dichloroethane	0.615	0.626	-1.8	99	0.00
43	T	Isopropyl Acetate	0.894	0.970	-8.5	102	-0.01
44	TM	Trichloroethene	0.376	0.359	4.5	99	0.00
45	C	1,2-Dichloropropane	0.382	0.392	-2.6#	100	0.00
46	T	Dibromomethane	0.287	0.292	-1.7	101	0.00
47	T	Bromodichloromethane	0.590	0.625	-5.9	100	0.00
48	T	Methyl methacrylate	0.460	0.504	-9.6	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	0.006	0.007	-16.7	102	-0.01
50	S	Toluene-d8	1.212	1.213	-0.1	99	0.00
51	T	4-Methyl-2-Pentanone	0.568	0.617	-8.6	101	0.00
52	CM	Toluene	0.908	0.903	0.6#	99	0.00
53	T	t-1,3-Dichloropropene	0.529	0.567	-7.2	101	0.00
54	T	cis-1,3-Dichloropropene	0.589	0.611	-3.7	100	0.00
55	T	1,1,2-Trichloroethane	0.365	0.379	-3.8	100	0.00
56	T	Ethyl methacrylate	0.561	0.611	-8.9	101	0.00
57	T	1,3-Dichloropropane	0.644	0.654	-1.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.306	0.319	-4.2	98	0.00
59	T	2-Hexanone	0.407	0.447	-9.8	101	0.00
60	T	Dibromochloromethane	0.429	0.456	-6.3	102	0.00
61	T	1,2-Dibromoethane	0.380	0.378	0.5	99	0.00
62	S	4-Bromofluorobenzene	0.502	0.500	0.4	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.334	0.319	4.5	100	0.00
65	PM	Chlorobenzene	1.176	1.165	0.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.397	0.419	-5.5	101	0.00
67	C	Ethyl Benzene	2.053	2.065	-0.6#	99	0.00
68	T	m/p-Xylenes	0.745	0.752	-0.9	99	0.00
69	T	o-Xylene	0.720	0.733	-1.8	99	0.00
70	T	Styrene	1.233	1.280	-3.8	99	0.00
71	P	Bromoform	0.303	0.322	-6.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.930	4.069	-3.5	99	0.00
74	T	N-amyl acetate	1.731	1.920	-10.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.258	1.319	-4.8	100	0.00
76	T	1,2,3-Trichloropropane	1.059	1.128	-6.5	102	0.00
77	T	Bromobenzene	0.912	0.926	-1.5	100	0.00
78	T	n-propylbenzene	4.757	4.839	-1.7	98	0.00
79	T	2-Chlorotoluene	2.869	2.927	-2.0	100	0.00
80	T	1,3,5-Trimethylbenzene	3.275	3.381	-3.2	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.367	0.405	-10.4	104	0.00
82	T	4-Chlorotoluene	3.400	3.425	-0.7	99	0.00
83	T	tert-Butylbenzene	3.334	3.462	-3.8	100	0.00
84	T	1,2,4-Trimethylbenzene	3.313	3.410	-2.9	100	0.00
85	T	sec-Butylbenzene	4.284	4.339	-1.3	99	0.00
86	T	p-Isopropyltoluene	3.572	3.630	-1.6	99	0.00
87	T	1,3-Dichlorobenzene	1.772	1.742	1.7	98	0.00
88	T	1,4-Dichlorobenzene	1.836	1.754	4.5	100	0.00
89	T	n-Butylbenzene	3.507	3.550	-1.2	101	0.00
90	T	Hexachloroethane	0.635	0.649	-2.2	101	0.00
91	T	1,2-Dichlorobenzene	1.710	1.705	0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.282	0.315	-11.7	105	0.00
93	T	1,2,4-Trichlorobenzene	1.167	1.148	1.6	101	0.00
94	T	Hexachlorobutadiene	0.542	0.512	5.5	97	0.00
95	T	Naphthalene	3.699	3.939	-6.5	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.170	1.148	1.9	100	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\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	49.116	1.8	103	0.00
3	P	Chloromethane	50.000	48.162	3.7	103	0.00
4	C	Vinyl Chloride	50.000	49.502	1.0#	102	0.00
5	T	Bromomethane	50.000	50.900	-1.8	95	0.00
6	T	Chloroethane	50.000	46.955	6.1	100	0.00
7	T	Trichlorofluoromethane	50.000	49.788	0.4	99	0.00
8	T	Diethyl Ether	50.000	49.819	0.4	100	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.561	0.9	99	0.00
10	T	Methyl Iodide	50.000	54.338	-8.7	105	0.00
11	T	Tert butyl alcohol	250.000	273.823	-9.5	108	0.00
12	CM	1,1-Dichloroethene	50.000	49.119	1.8#	100	0.00
13	T	Acrolein	250.000	247.857	0.9	102	0.00
14	T	Allyl chloride	50.000	51.566	-3.1	103	0.00
15	T	Acrylonitrile	250.000	266.347	-6.5	102	-0.01
16	T	Acetone	250.000	257.624	-3.0	103	0.00
17	T	Carbon Disulfide	50.000	50.069	-0.1	101	0.00
18	T	Methyl Acetate	50.000	57.396	-14.8	105	0.00
19	T	Methyl tert-butyl Ether	50.000	53.754	-7.5	103	-0.01
20	T	Methylene Chloride	50.000	48.013	4.0	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.832	4.3	100	-0.01
22	T	Diisopropyl ether	50.000	52.834	-5.7	101	-0.01
23	T	Vinyl Acetate	250.000	266.053	-6.4	100	-0.01
24	P	1,1-Dichloroethane	50.000	51.227	-2.5	101	-0.01
25	T	2-Butanone	250.000	267.525	-7.0	102	-0.01
26	T	2,2-Dichloropropane	50.000	53.502	-7.0	102	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.265	1.5	100	0.00
28	T	Bromochloromethane	50.000	49.390	1.2	100	-0.01
29	T	Tetrahydrofuran	250.000	266.904	-6.8	103	0.00
30	C	Chloroform	50.000	51.004	-2.0#	101	-0.01
31	T	Cyclohexane	50.000	49.093	1.8	99	-0.01
32	T	1,1,1-Trichloroethane	50.000	51.651	-3.3	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.250	-0.5	100	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	-0.01
35	S	Dibromofluoromethane	50.000	51.039	-2.1	99	-0.01
36	T	1,1-Dichloropropene	50.000	47.703	4.6	100	-0.02
37	T	Ethyl Acetate	50.000	58.203	-16.4	104	-0.01
38	T	Carbon Tetrachloride	50.000	49.372	1.3	100	-0.01
39	T	Methylcyclohexane	50.000	47.608	4.8	100	0.00
40	TM	Benzene	50.000	49.672	0.7	100	-0.01
41	T	Methacrylonitrile	50.000	56.282	-12.6	107	-0.01
42	TM	1,2-Dichloroethane	50.000	50.897	-1.8	99	0.00
43	T	Isopropyl Acetate	50.000	54.290	-8.6	102	-0.01
44	TM	Trichloroethene	50.000	47.764	4.5	99	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	100	0.00
46	T	Dibromomethane	50.000	50.807	-1.6	101	0.00
47	T	Bromodichloromethane	50.000	52.906	-5.8	100	0.00
48	T	Methyl methacrylate	50.000	54.806	-9.6	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	1082.971	-8.3	102	-0.01
50	S	Toluene-d8	50.000	50.025	-0.0	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.760	-8.7	101	0.00
52	CM	Toluene	50.000	49.719	0.6#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	53.526	-7.1	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.896	-3.8	100	0.00
55	T	1,1,2-Trichloroethane	50.000	51.993	-4.0	100	0.00
56	T	Ethyl methacrylate	50.000	54.440	-8.9	101	0.00
57	T	1,3-Dichloropropane	50.000	50.718	-1.4	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.553	-4.2	98	0.00
59	T	2-Hexanone	250.000	274.165	-9.7	101	0.00
60	T	Dibromochloromethane	50.000	53.100	-6.2	102	0.00
61	T	1,2-Dibromoethane	50.000	49.689	0.6	99	0.00
62	S	4-Bromofluorobenzene	50.000	49.880	0.2	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	47.739	4.5	100	0.00
65	PM	Chlorobenzene	50.000	49.518	1.0	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.723	-5.4	101	0.00
67	C	Ethyl Benzene	50.000	50.288	-0.6#	99	0.00
68	T	m/p-Xylenes	100.000	100.941	-0.9	99	0.00
69	T	o-Xylene	50.000	50.882	-1.8	99	0.00
70	T	Styrene	50.000	51.899	-3.8	99	0.00
71	P	Bromoform	50.000	53.200	-6.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	51.765	-3.5	99	0.00
74	T	N-amyl acetate	50.000	55.456	-10.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.405	-4.8	100	0.00
76	T	1,2,3-Trichloropropane	50.000	53.262	-6.5	102	0.00
77	T	Bromobenzene	50.000	50.748	-1.5	100	0.00
78	T	n-propylbenzene	50.000	50.860	-1.7	98	0.00
79	T	2-Chlorotoluene	50.000	51.014	-2.0	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.612	-3.2	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.208	-10.4	104	0.00
82	T	4-Chlorotoluene	50.000	50.368	-0.7	99	0.00
83	T	tert-Butylbenzene	50.000	51.919	-3.8	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.464	-2.9	100	0.00
85	T	sec-Butylbenzene	50.000	50.644	-1.3	99	0.00
86	T	p-Isopropyltoluene	50.000	50.815	-1.6	99	0.00
87	T	1,3-Dichlorobenzene	50.000	49.171	1.7	98	0.00
88	T	1,4-Dichlorobenzene	50.000	47.788	4.4	100	0.00
89	T	n-Butylbenzene	50.000	50.601	-1.2	101	0.00
90	T	Hexachloroethane	50.000	51.141	-2.3	101	0.00
91	T	1,2-Dichlorobenzene	50.000	49.847	0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.886	-11.8	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.224	1.6	101	0.00
94	T	Hexachlorobutadiene	50.000	47.222	5.6	97	0.00
95	T	Naphthalene	50.000	53.245	-6.5	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.082	1.8	100	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.: Q2249 SAS No.: Q2249 SDG No.: Q2249

Instrument ID: MSVOA_X Calibration Date/Time: 06/11/2025 14:46

Lab File ID: VX046636.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.630	0.569		-9.68	20
1,1-Dichloroethene	0.594	0.596		0.34	20
1,1-Dichloroethane	1.281	1.325	0.1	3.43	20
cis-1,2-Dichloroethene	0.773	0.799		3.36	20
1,1,1-Trichloroethane	1.148	1.186		3.31	20
Benzene	1.479	1.534		3.72	20
1,2-Dichloroethane	0.615	0.621		0.98	20
Trichloroethene	0.376	0.379		0.8	20
1,1,2-Trichloroethane	0.365	0.403		10.41	20
Tetrachloroethene	0.334	0.330		-1.2	20
1,2-Dichloroethane-d4	0.890	0.830		-6.74	20
Dibromofluoromethane	0.368	0.382		3.8	20
Toluene-d8	1.212	1.219		0.58	20
4-Bromofluorobenzene	0.502	0.503		0.2	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\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	77468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133266	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	119186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64299	46.653	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.300%			
35) Dibromofluoromethane	5.391	113	50878	51.915	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	8.646	98	162512	50.297	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.079	95	67056	50.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.178	85	49618	46.135	ug/l	97
3) Chloromethane	1.306	50	42847	43.769	ug/l	100
4) Vinyl Chloride	1.386	62	44081	45.171	ug/l	99
5) Bromomethane	1.617	94	16571	27.971	ug/l	96
6) Chloroethane	1.697	64	25610m	40.448	ug/l	
7) Trichlorofluoromethane	1.904	101	68961	42.711	ug/l	98
8) Diethyl Ether	2.142	74	25706	45.060	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.343	101	51679	50.803	ug/l	95
10) Methyl Iodide	2.465	142	44208	40.090	ug/l	97
11) Tert butyl alcohol	2.965	59	33784	220.908	ug/l	99
12) 1,1-Dichloroethene	2.331	96	46167	50.196	ug/l	94
13) Acrolein	2.245	56	60539	318.023	ug/l	100
14) Allyl chloride	2.678	41	91197	50.488	ug/l	93
15) Acrylonitrile	3.068	53	150410	260.120	ug/l	99
16) Acetone	2.385	43	129583	239.623	ug/l	96
17) Carbon Disulfide	2.526	76	94127	48.207	ug/l	100
18) Methyl Acetate	2.715	43	90756	55.283	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	173499	53.911	ug/l	98
20) Methylene Chloride	2.800	84	55439	50.139	ug/l	93
21) trans-1,2-Dichloroethene	3.105	96	48350	49.675	ug/l	94
22) Diisopropyl ether	3.769	45	191676	53.823	ug/l #	80
23) Vinyl Acetate	3.727	43	730658	265.747	ug/l	100
24) 1,1-Dichloroethane	3.617	63	102645	51.716	ug/l	99
25) 2-Butanone	4.562	43	188260	245.374	ug/l	97
26) 2,2-Dichloropropane	4.489	77	76522	51.935	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	61869	51.635	ug/l	96
28) Bromochloromethane	4.903	49	44054	46.537	ug/l	98
29) Tetrahydrofuran	5.013	42	116765	240.984	ug/l	98
30) Chloroform	5.098	83	111101	53.424	ug/l	96
31) Cyclohexane	5.476	56	79044	49.332	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	91912	51.668	ug/l	97
36) 1,1-Dichloropropene	5.696	75	66719	47.660	ug/l	98
37) Ethyl Acetate	4.714	43	72822	53.299	ug/l	99
38) Carbon Tetrachloride	5.684	117	77120	49.184	ug/l	99
39) Methylcyclohexane	7.385	83	79500	48.113	ug/l	97
40) Benzene	6.043	78	204444	51.876	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	43728	51.538	ug/l		94
42) 1,2-Dichloroethane	6.092	62	82805	50.505	ug/l		97
43) Isopropyl Acetate	6.342	43	123122	51.690	ug/l		98
44) Trichloroethene	7.128	130	50564	50.496	ug/l		98
45) 1,2-Dichloropropane	7.427	63	54805	53.877	ug/l		95
46) Dibromomethane	7.580	93	39795	52.002	ug/l		97
47) Bromodichloromethane	7.823	83	86170	54.764	ug/l		100
48) Methyl methacrylate	7.689	41	64491	52.623	ug/l		95
49) 1,4-Dioxane	7.659	88	15347	936.440	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	399573	263.985	ug/l		99
52) Toluene	8.720	92	127673	52.732	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	76825	54.455	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	83927	53.504	ug/l		89
55) 1,1,2-Trichloroethane	9.152	97	53767	55.318	ug/l		98
56) Ethyl methacrylate	9.116	69	83775	56.009	ug/l		93
57) 1,3-Dichloropropane	9.305	76	90043	52.422	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	212181	260.437	ug/l		99
59) 2-Hexanone	9.427	43	281354	259.182	ug/l		97
60) Dibromochloromethane	9.518	129	62938	55.050	ug/l		99
61) 1,2-Dibromoethane	9.610	107	52759	52.090	ug/l		97
64) Tetrachloroethene	9.274	164	39385	49.417	ug/l		94
65) Chlorobenzene	10.079	112	145707	51.980	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	52286	55.199	ug/l		100
67) Ethyl Benzene	10.195	91	253115	51.724	ug/l		98
68) m/p-Xylenes	10.299	106	188777	106.345	ug/l		98
69) o-Xylene	10.640	106	93646	54.541	ug/l		96
70) Styrene	10.652	104	161841	55.064	ug/l		98
71) Bromoform	10.799	173	39565	54.781	ug/l	#	97
73) Isopropylbenzene	10.963	105	251010	52.958	ug/l		99
74) N-amyl acetate	10.841	43	110680	53.026	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	79466	52.379	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	65783m	51.509	ug/l		
77) Bromobenzene	11.195	156	57859	52.592	ug/l		96
78) n-propylbenzene	11.305	91	297656	51.885	ug/l		99
79) 2-Chlorotoluene	11.359	91	178117	51.487	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	207616	52.565	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	22961	51.862	ug/l		93
82) 4-Chlorotoluene	11.451	91	208757	50.910	ug/l		96
83) tert-Butylbenzene	11.713	119	214284	53.295	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	209586	52.454	ug/l		98
85) sec-Butylbenzene	11.890	105	271607	52.573	ug/l		100
86) p-Isopropyltoluene	12.006	119	224421	52.107	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	111561	52.221	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113744	51.383	ug/l		99
89) n-Butylbenzene	12.329	91	214617	50.742	ug/l		98
90) Hexachloroethane	12.536	117	38889	50.802	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	108055	52.399	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16953	49.901	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	73786	52.453	ug/l		99
94) Hexachlorobutadiene	13.725	225	30729	47.005	ug/l		98
95) Naphthalene	13.774	128	239917	53.781	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	72019	51.057	ug/l		99

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Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

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

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

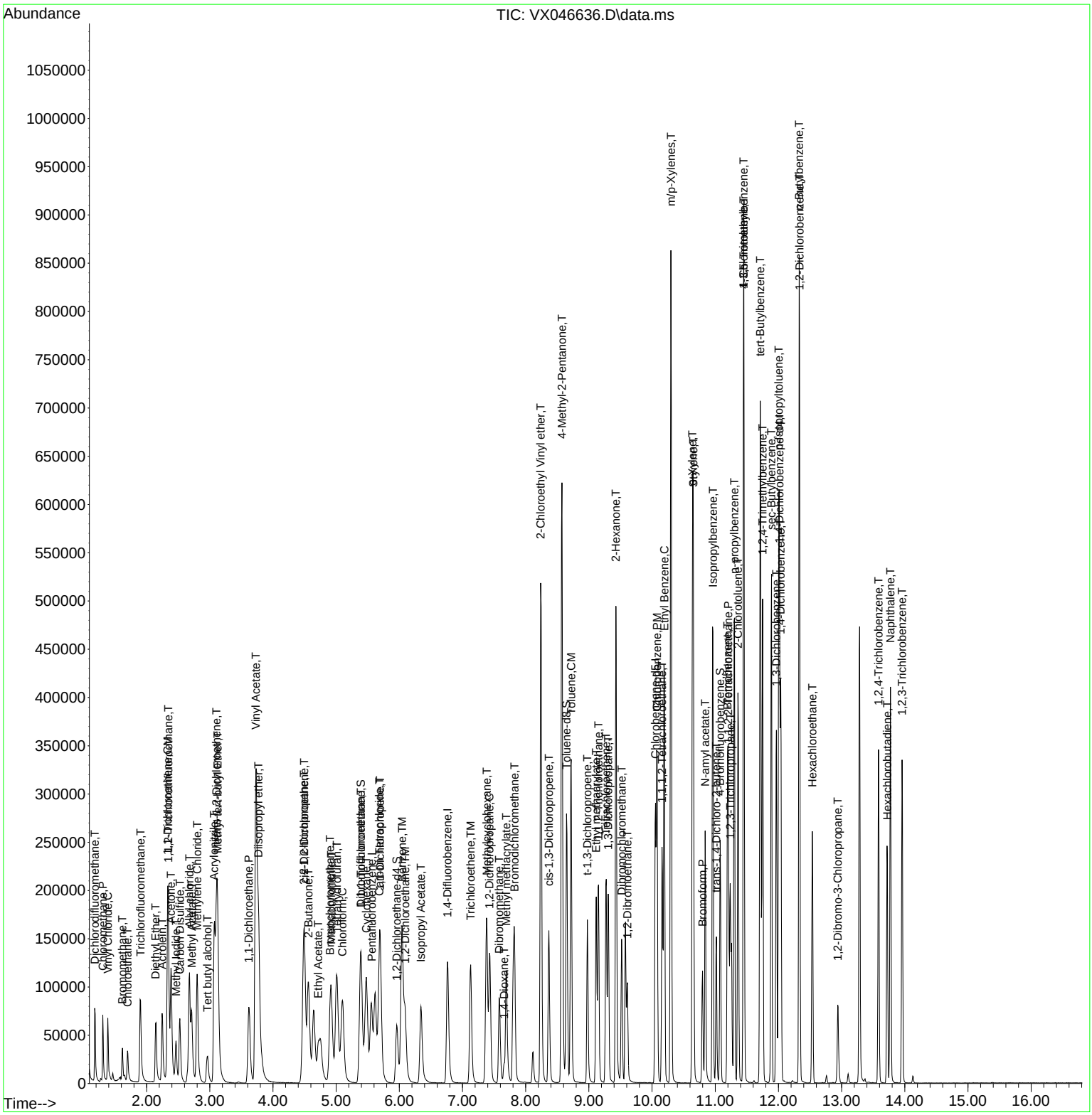
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

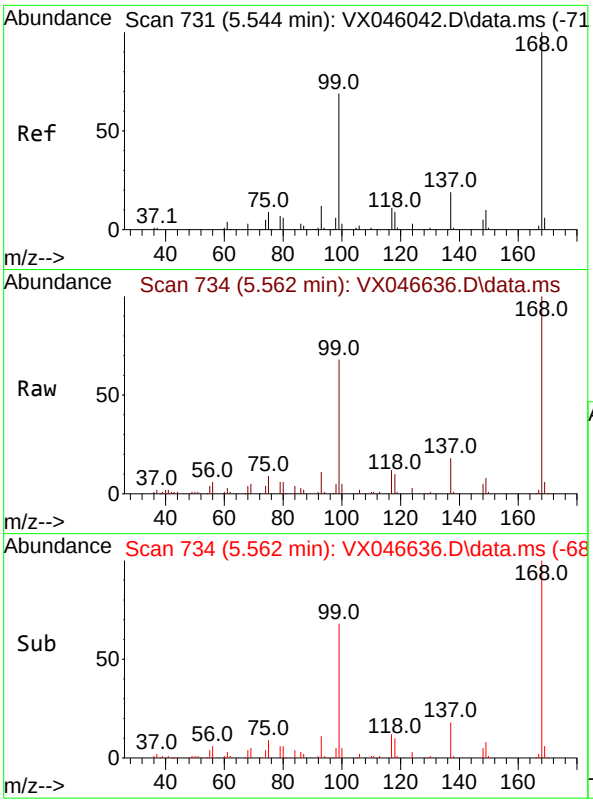
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
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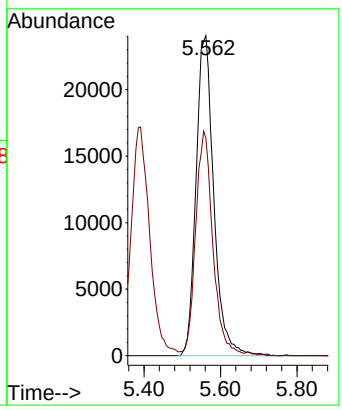




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:168 Resp: 7746

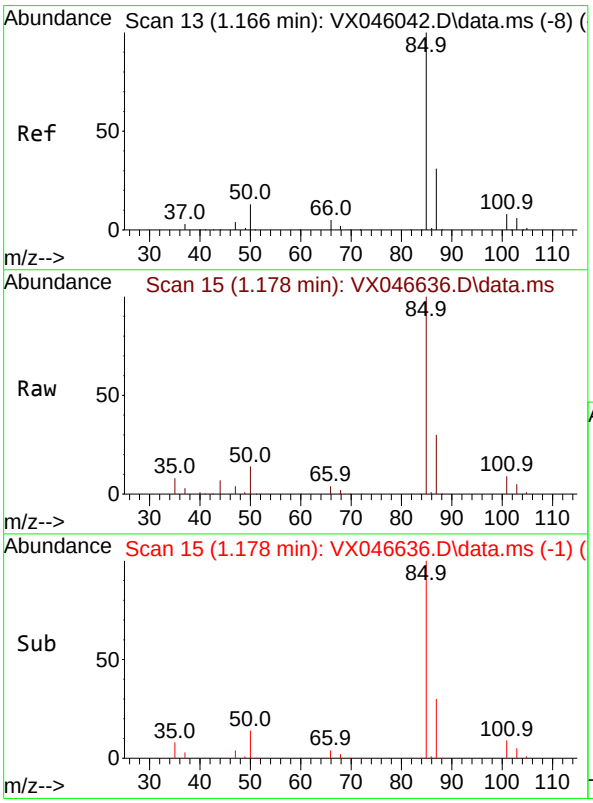
Ion	Ratio	Lower	Upper
168	100		
99	67.9	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

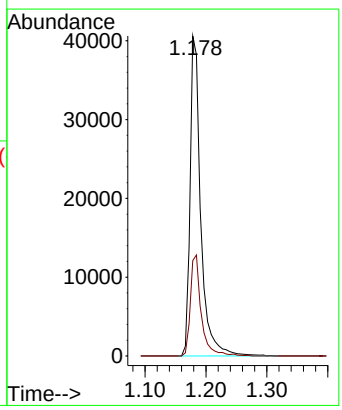
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

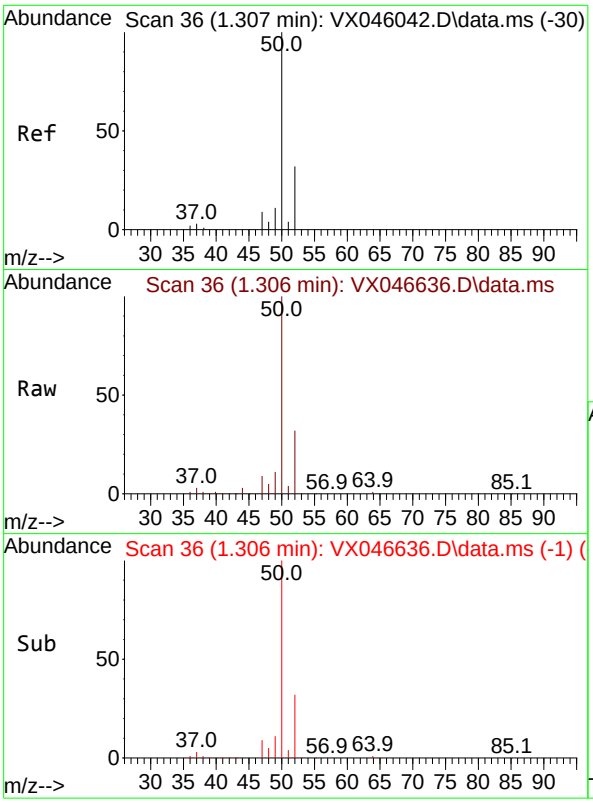


#2
Dichlorodifluoromethane
Concen: 46.135 ug/l
RT: 1.178 min Scan# 15
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 85 Resp: 49618

Ion	Ratio	Lower	Upper
85	100		
87	29.8	15.7	47.1





#3
Chloromethane
Concen: 43.769 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

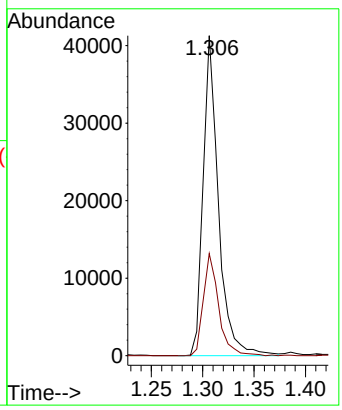
Tgt Ion: 50 Resp: 4284

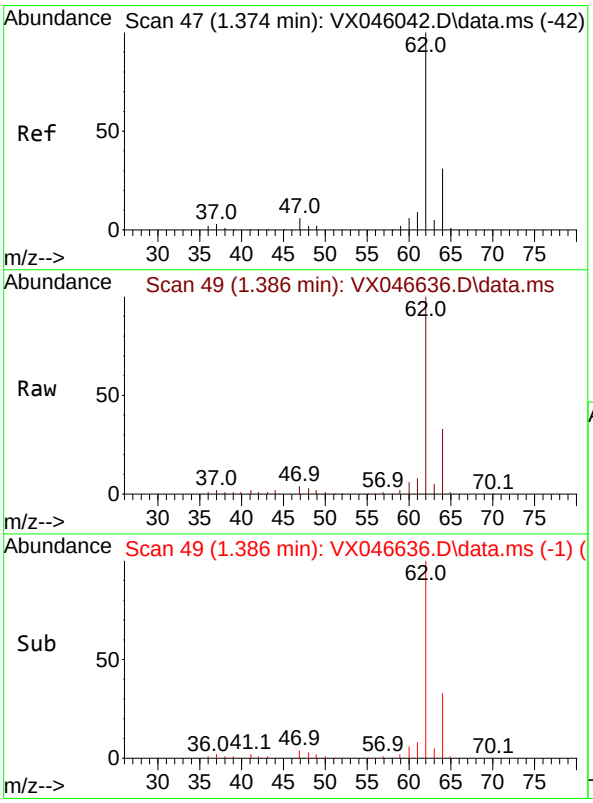
Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

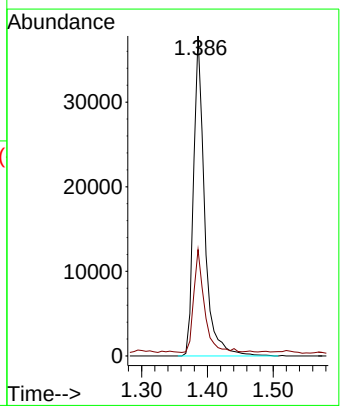


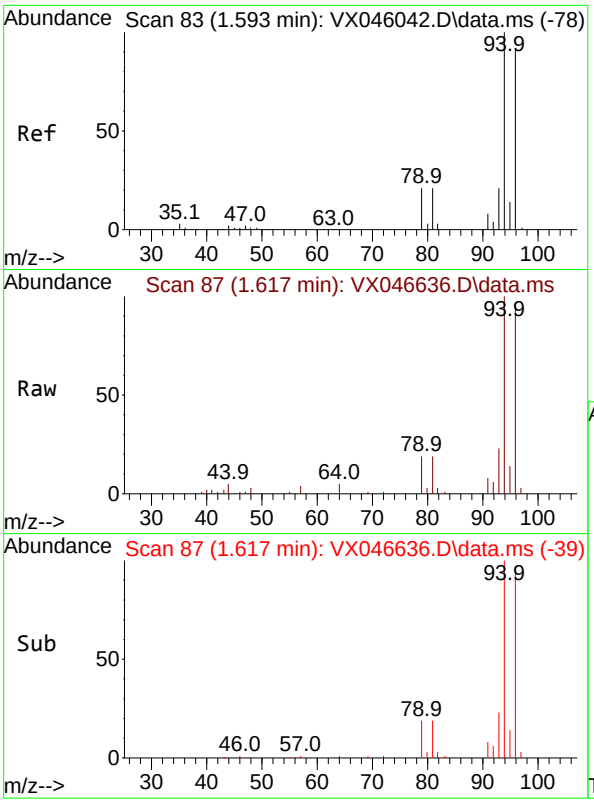


#4
Vinyl Chloride
Concen: 45.171 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 62 Resp: 44081

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.2	37.8

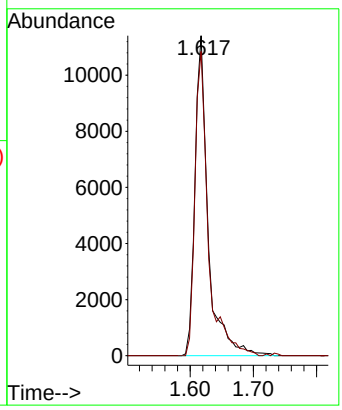




#5
Bromomethane
Concen: 27.971 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 94 Resp: 1657

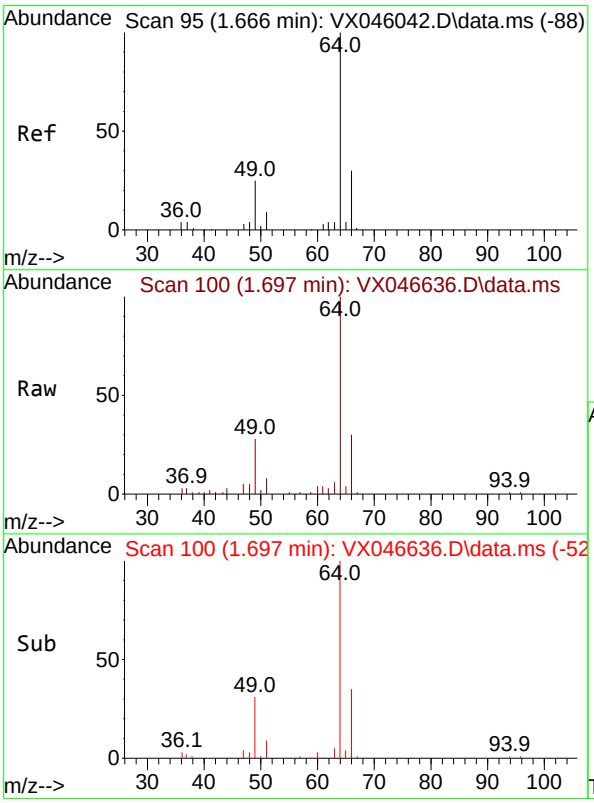
Ion	Ratio	Lower	Upper
94	100		
96	95.1	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

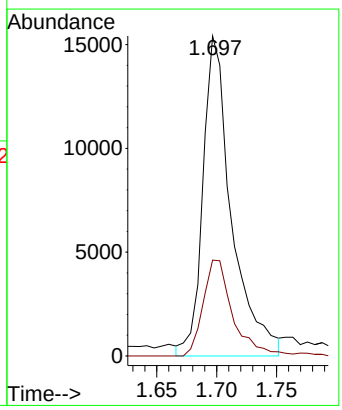
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

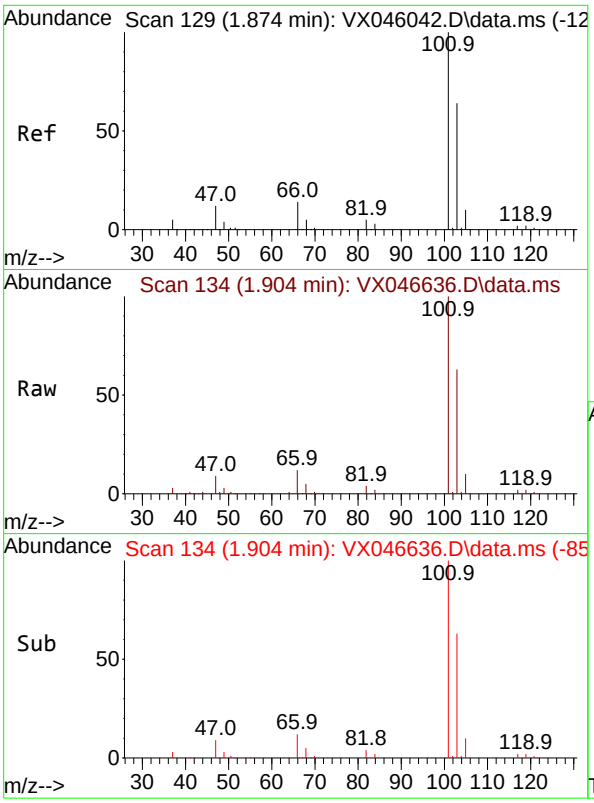


#6
Chloroethane
Concen: 40.448 ug/l m
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 64 Resp: 25610

Ion	Ratio	Lower	Upper
64	100		
66	30.0	24.3	36.5

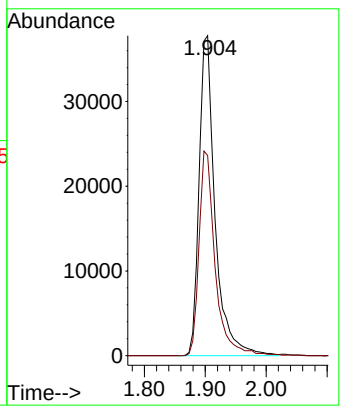




#7
Trichlorofluoromethane
Concen: 42.711 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:101 Resp: 6896

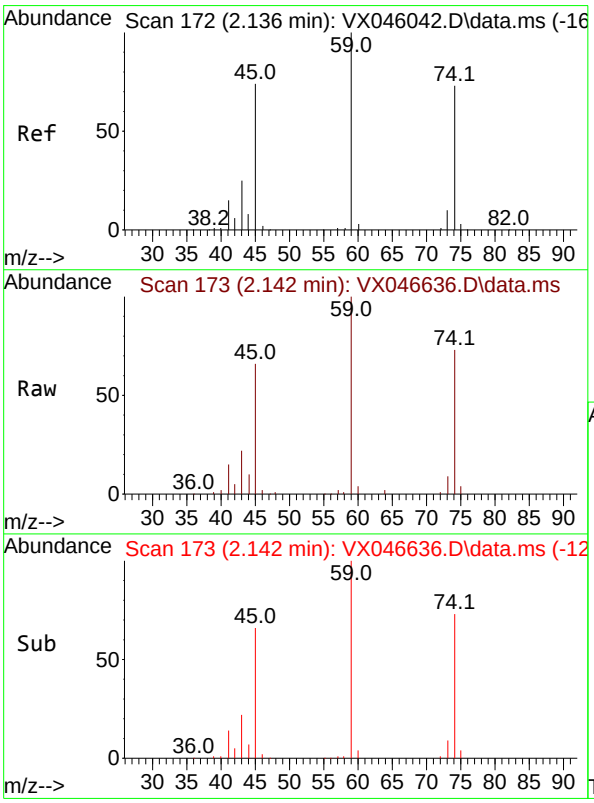
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

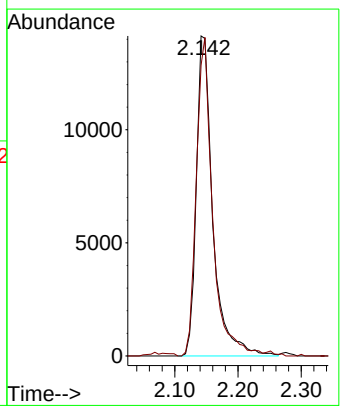
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

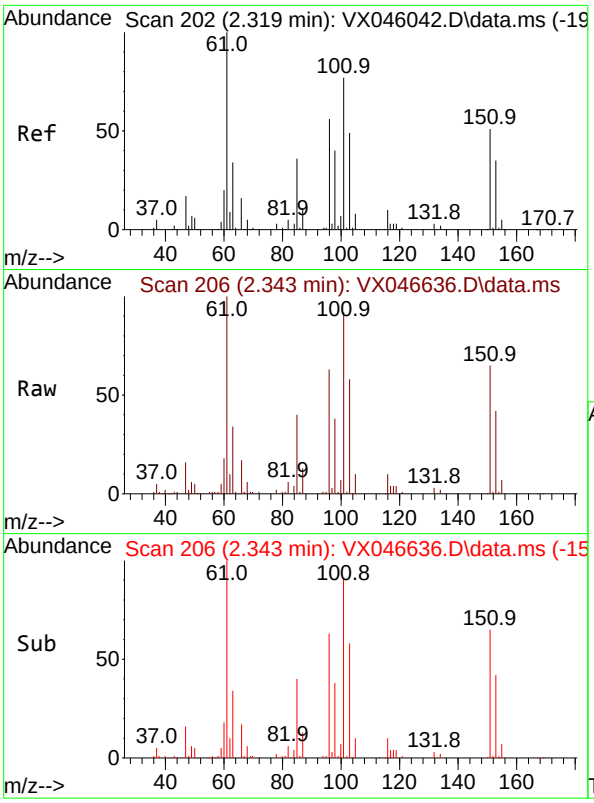


#8
Diethyl Ether
Concen: 45.060 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 74 Resp: 25706

Ion	Ratio	Lower	Upper
74	100		
45	98.8	54.9	164.8

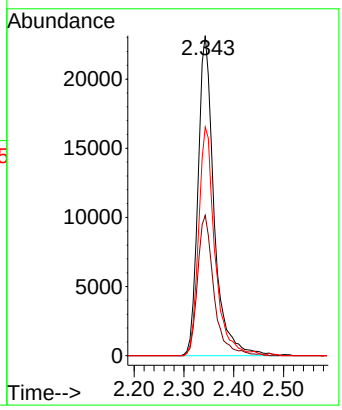




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.803 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:101 Resp: 5167

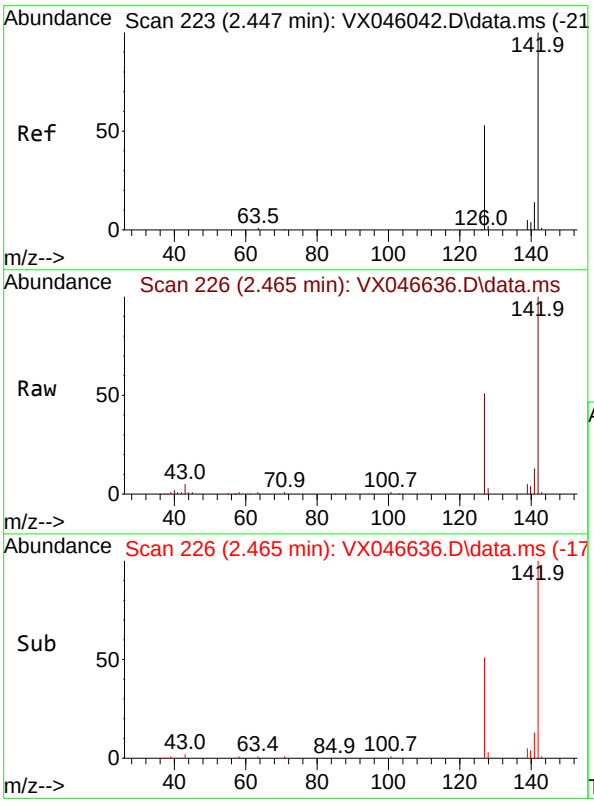
Ion	Ratio	Lower	Upper
101	100		
85	44.9	38.6	58.0
151	72.8	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

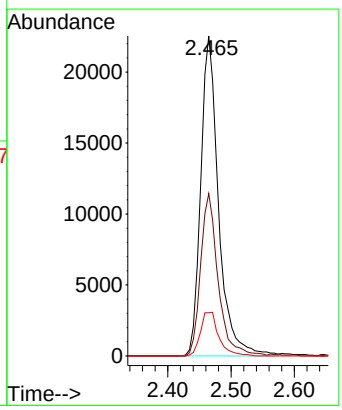
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

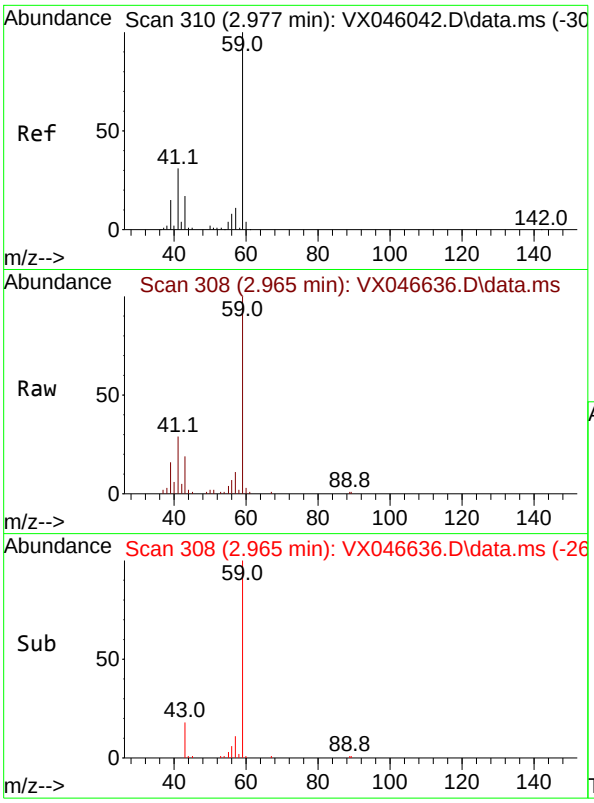


#10
Methyl Iodide
Concen: 40.090 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:142 Resp: 44208

Ion	Ratio	Lower	Upper
142	100		
127	49.8	41.7	62.5
141	14.1	11.5	17.3

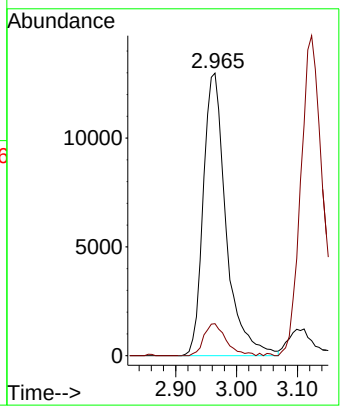




#11
Tert butyl alcohol
Concen: 220.908 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 59 Resp: 3378

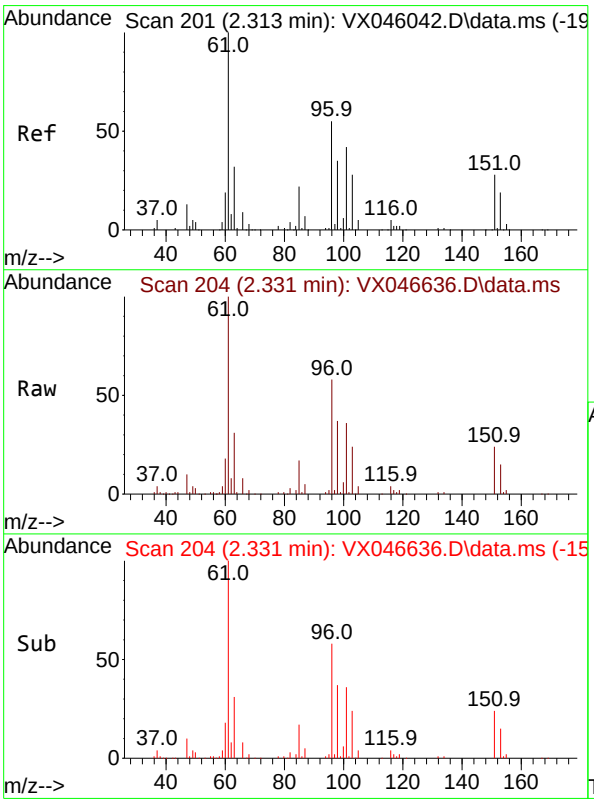
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

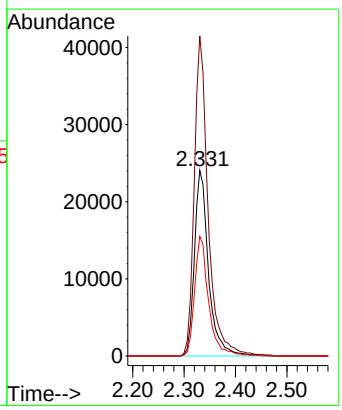
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

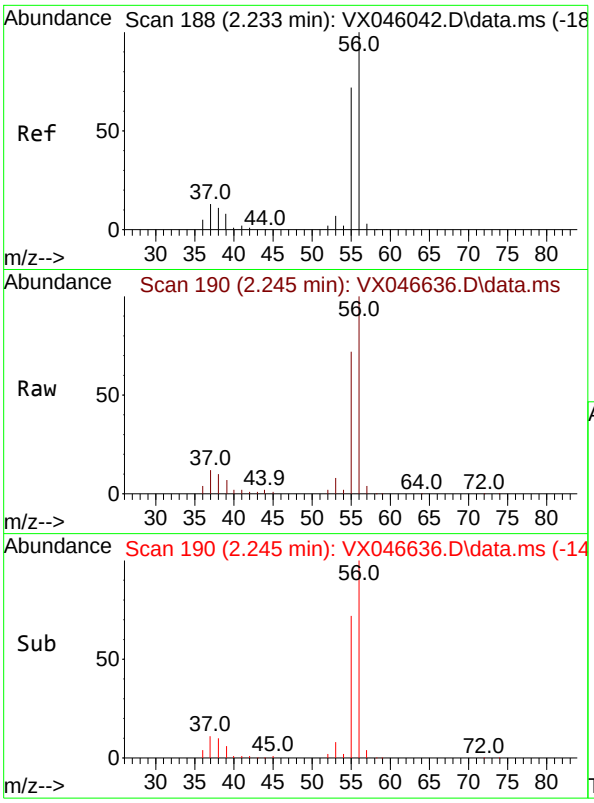


#12
1,1-Dichloroethene
Concen: 50.196 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 96 Resp: 46167

Ion	Ratio	Lower	Upper
96	100		
61	172.4	146.2	219.2
98	64.4	51.0	76.6

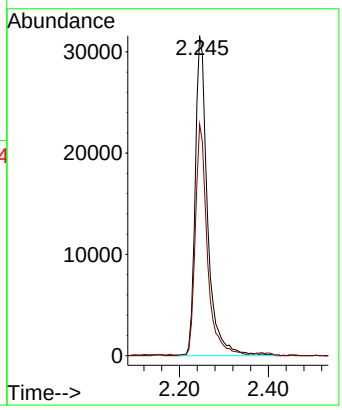




#13
Acrolein
Concen: 318.023 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 56 Resp: 6053

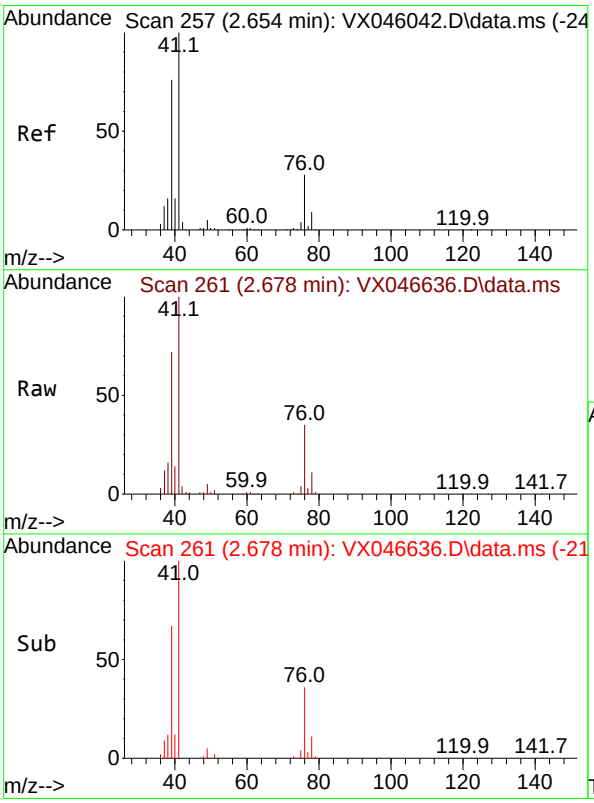
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

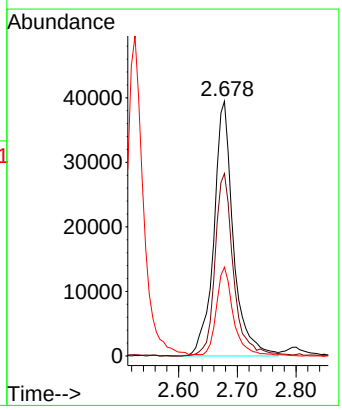
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

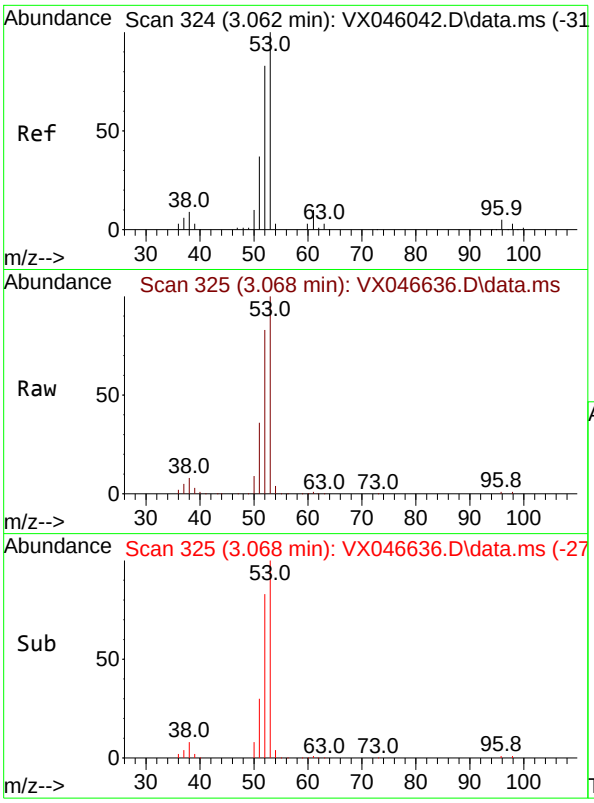


#14
Allyl chloride
Concen: 50.488 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 41 Resp: 91197

Ion	Ratio	Lower	Upper
41	100		
39	67.8	60.6	90.8
76	30.7	24.9	37.3

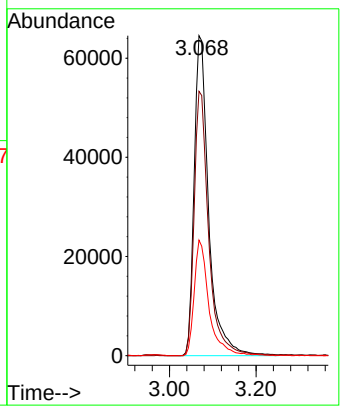




#15
Acrylonitrile
Concen: 260.120 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 53 Resp: 15041

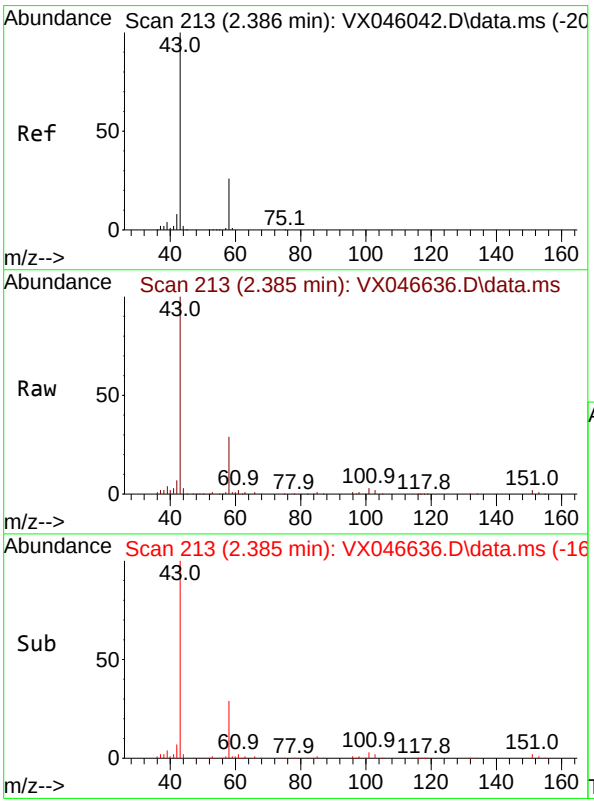
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	36.9	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

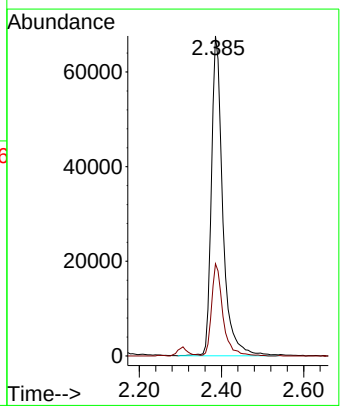
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

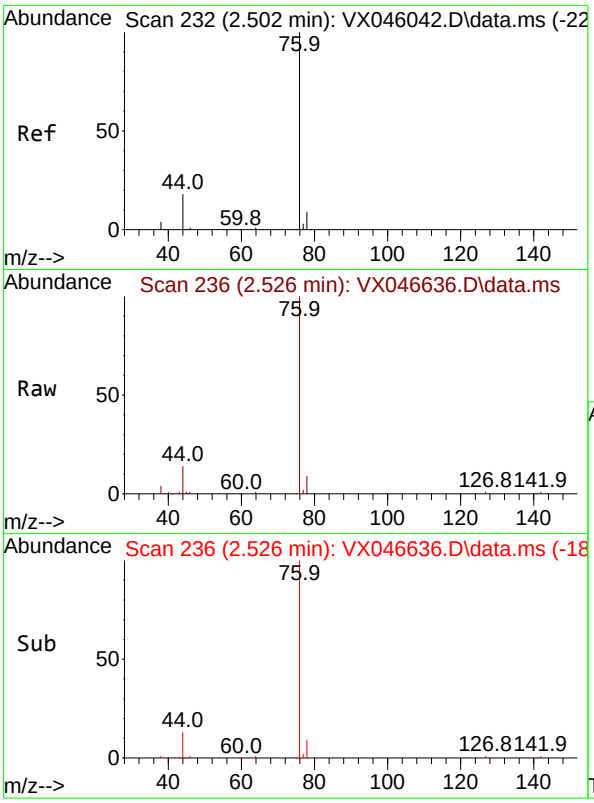


#16
Acetone
Concen: 239.623 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 129583

Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.2	31.8





#17
Carbon Disulfide
Concen: 48.207 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

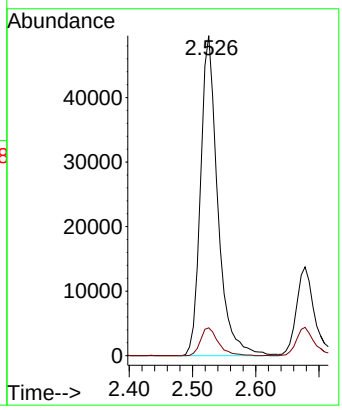
Tgt Ion: 76 Resp: 9412

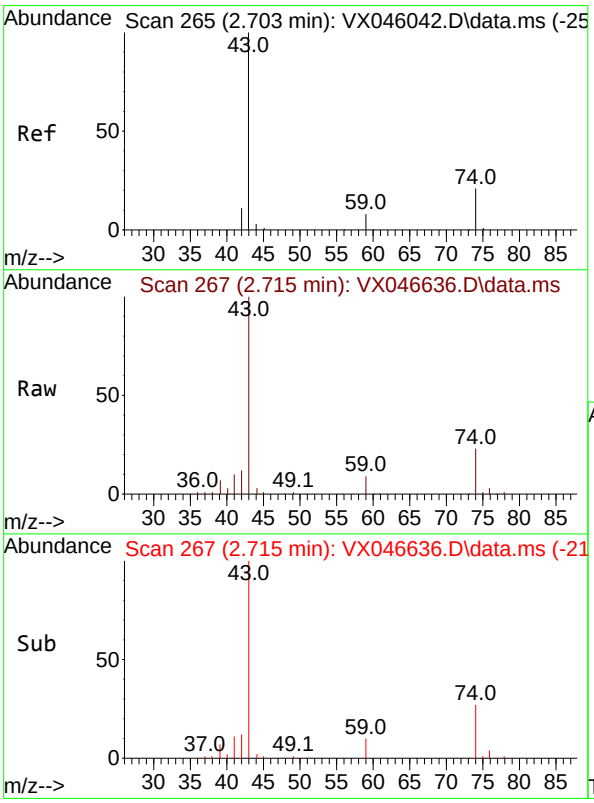
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

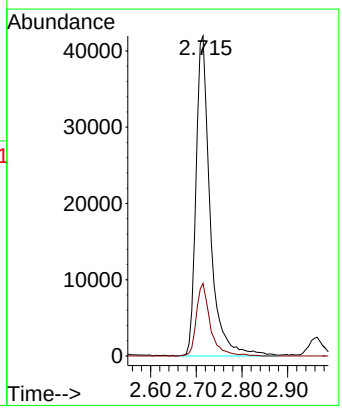


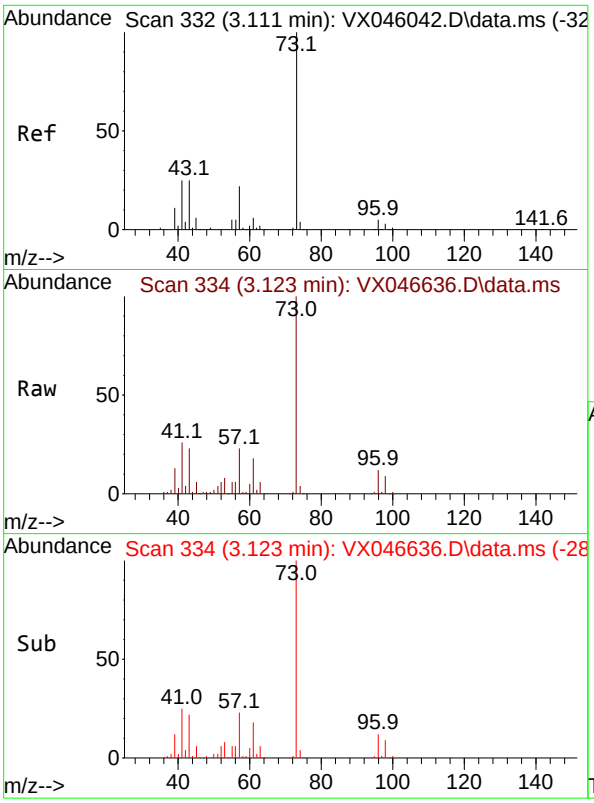


#18
Methyl Acetate
Concen: 55.283 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.7	25.1

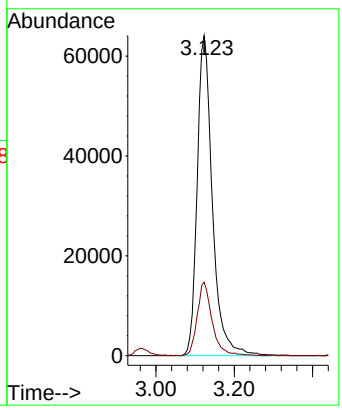




#19
Methyl tert-butyl Ether
Concen: 53.911 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 73 Resp: 17349

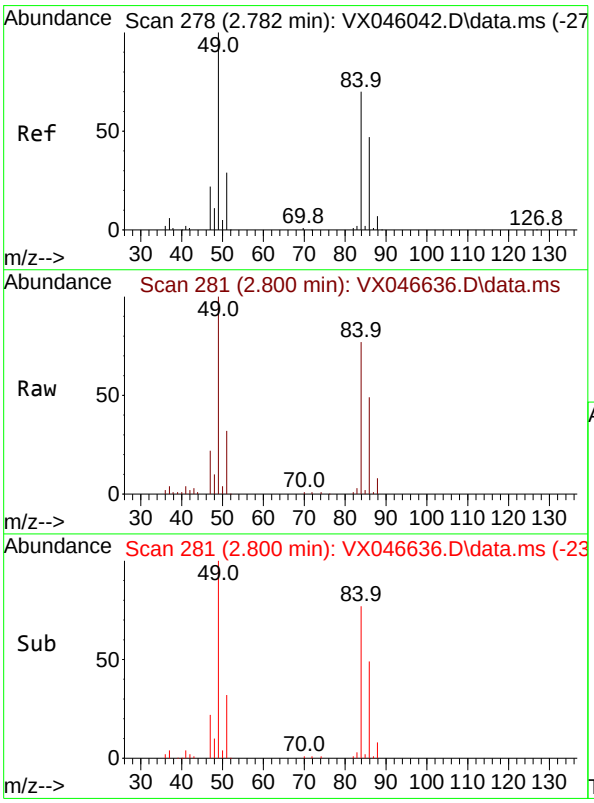
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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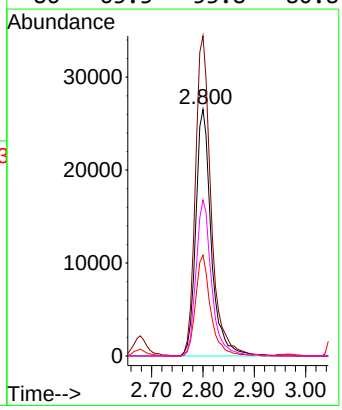
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

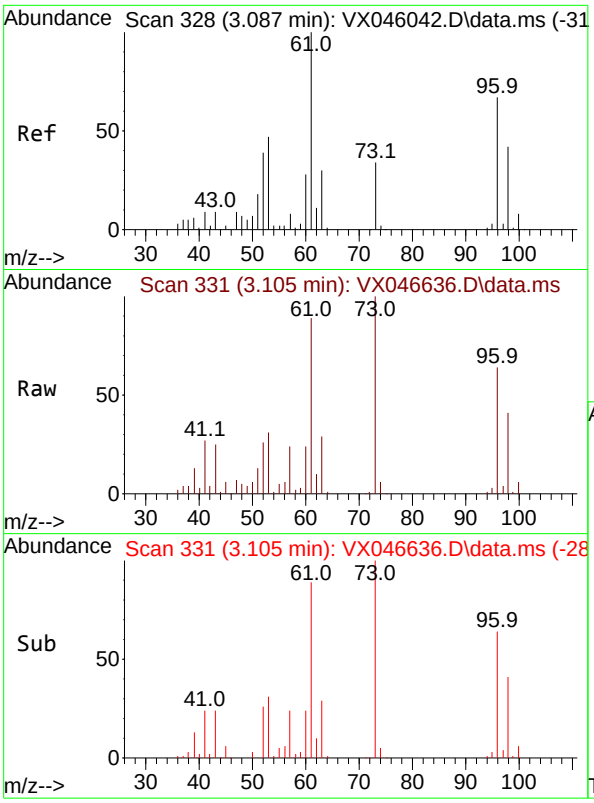


#20
Methylene Chloride
Concen: 50.139 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 84 Resp: 55439

Ion	Ratio	Lower	Upper
84	100		
49	129.8	113.9	170.9
51	40.9	33.5	50.3
86	63.3	53.8	80.8





#21
trans-1,2-Dichloroethene
Concen: 49.675 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

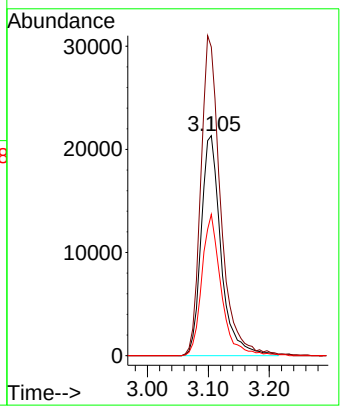
Tgt Ion: 96 Resp: 4835

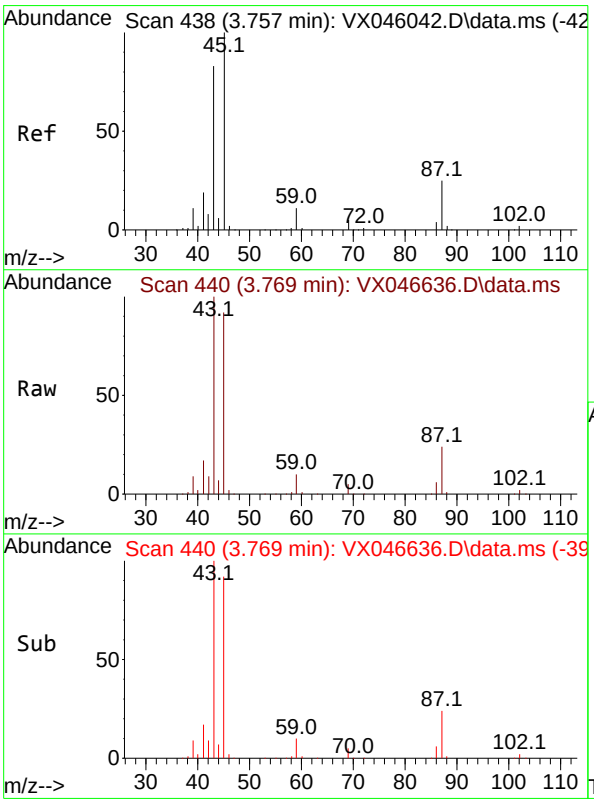
Ion	Ratio	Lower	Upper
96	100		
61	140.2	119.5	179.3
98	64.2	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

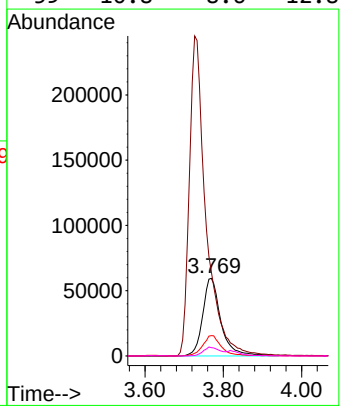


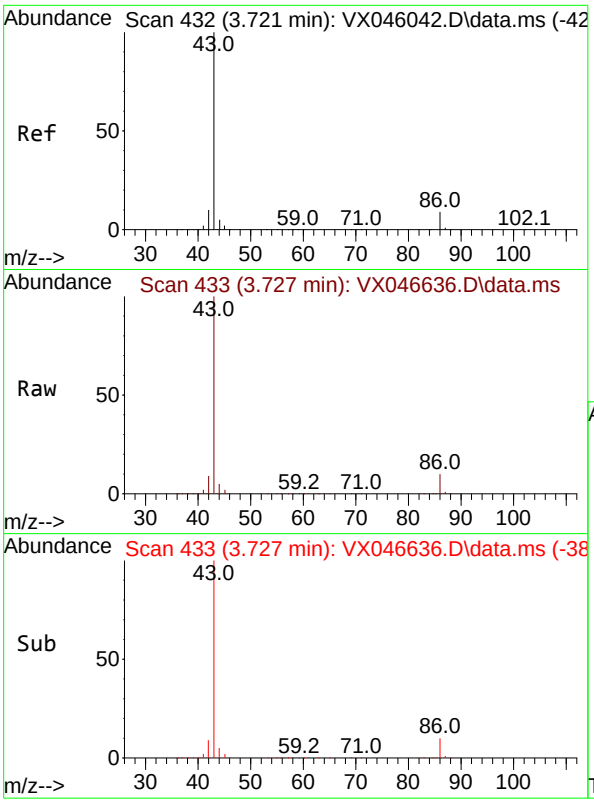


#22
Diisopropyl ether
Concen: 53.823 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 45 Resp: 191676

Ion	Ratio	Lower	Upper
45	100		
43	108.0	66.6	100.0#
87	26.3	19.8	29.6
59	10.8	8.6	12.8





#23
Vinyl Acetate
Concen: 265.747 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

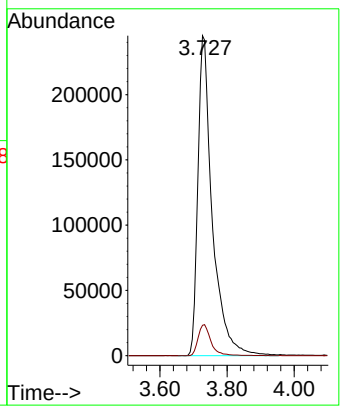
Tgt Ion: 43 Resp: 73065

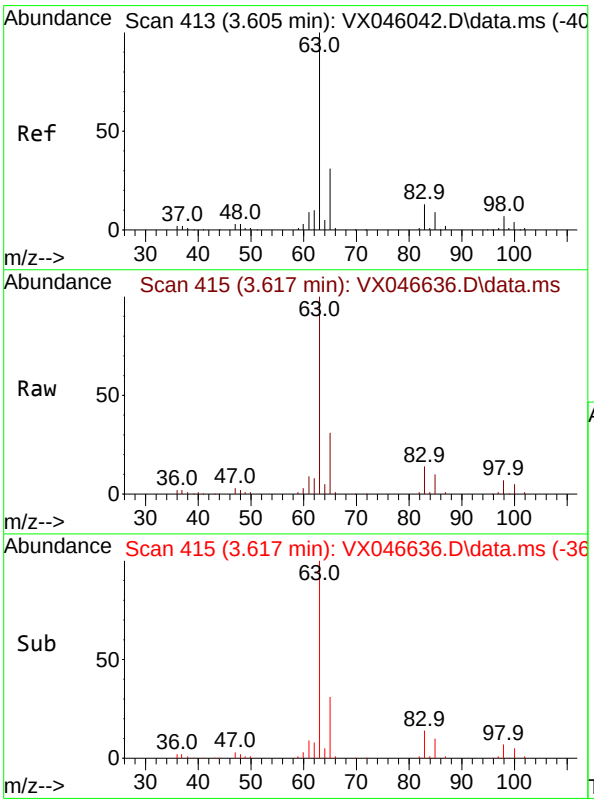
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

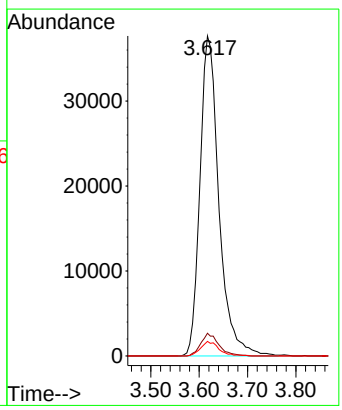


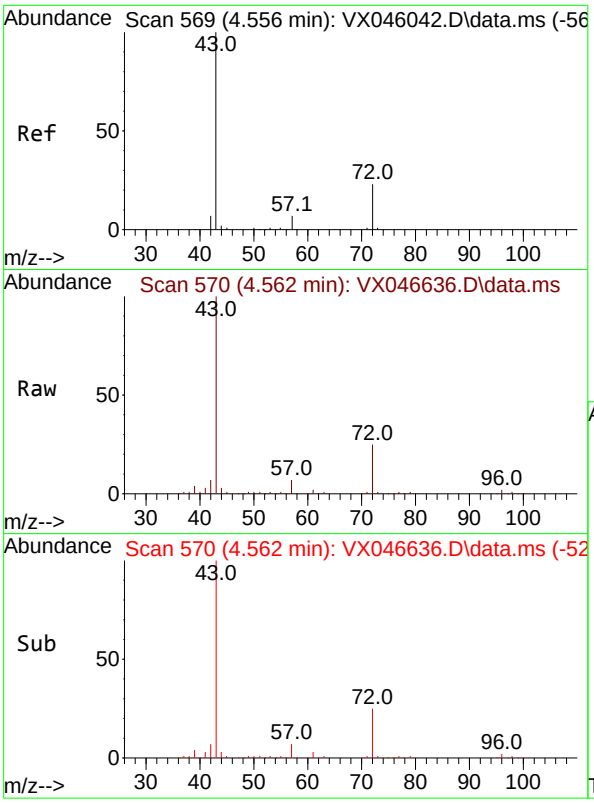


#24
1,1-Dichloroethane
Concen: 51.716 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 63 Resp: 102645

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.5	2.1	6.3

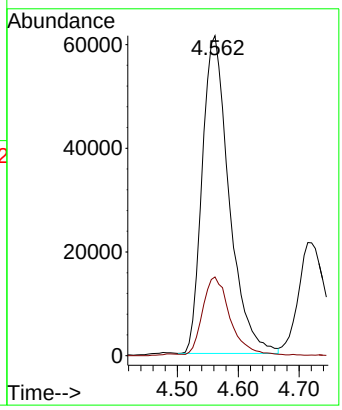




#25
2-Butanone
Concen: 245.374 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 18826

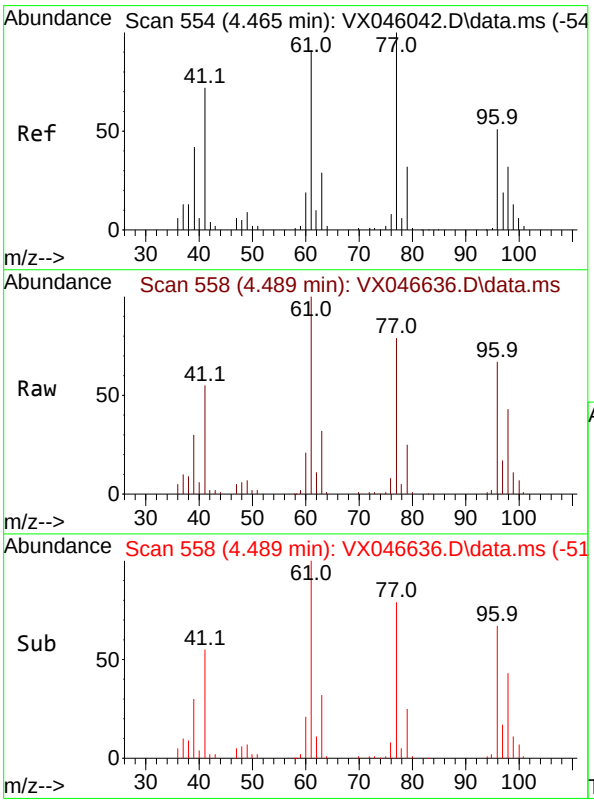
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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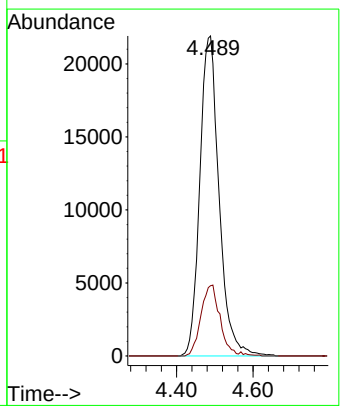
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

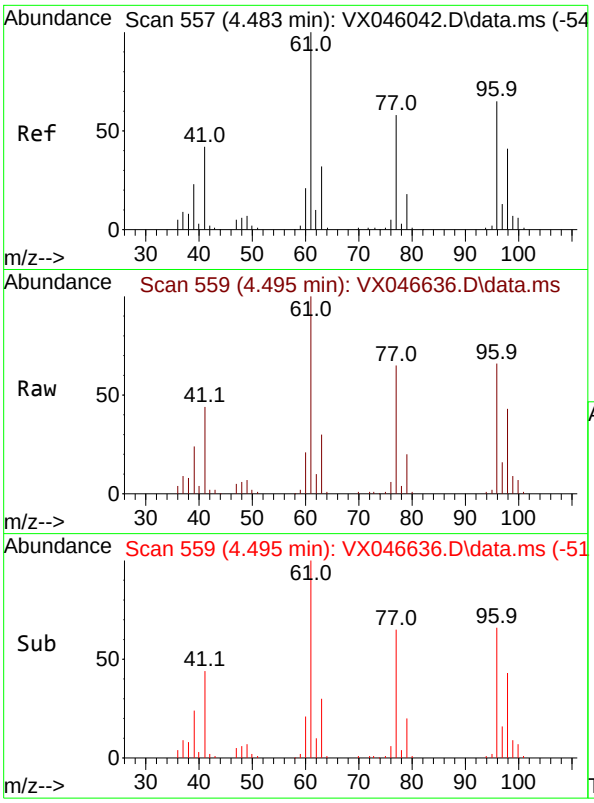


#26
2,2-Dichloropropane
Concen: 51.935 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 77 Resp: 76522

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.5	31.5

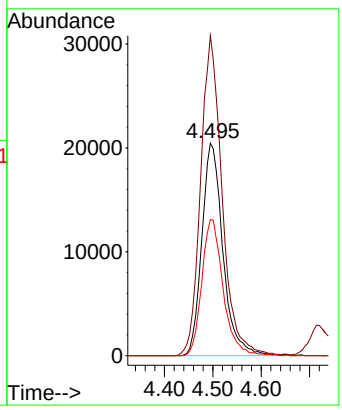




#27
cis-1,2-Dichloroethene
Concen: 51.635 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 96 Resp: 6186

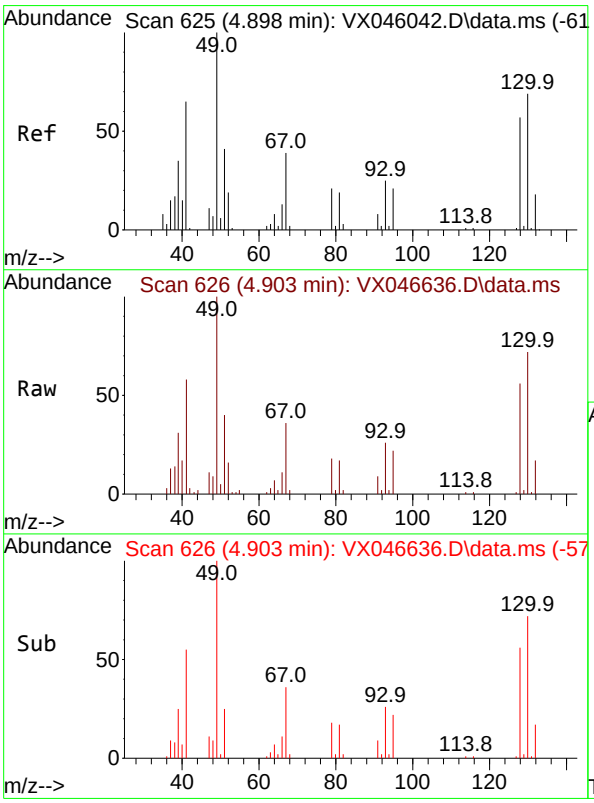
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	322.8
98	64.8	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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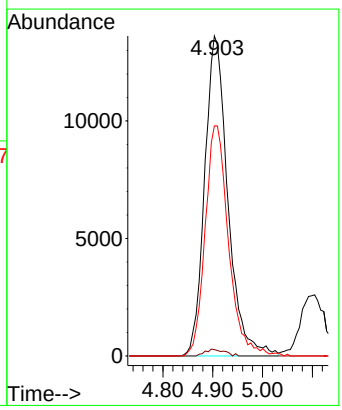
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

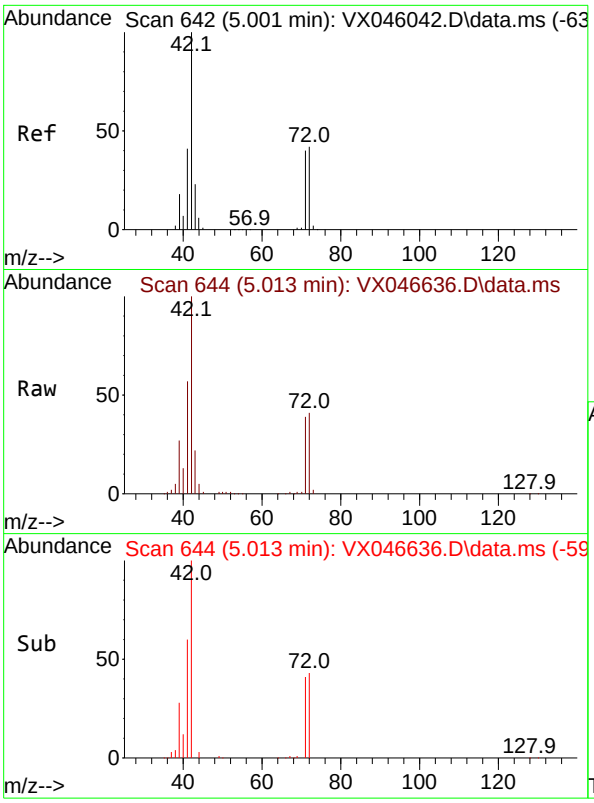


#28
Bromochloromethane
Concen: 46.537 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 49 Resp: 44054

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	72.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 240.984 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

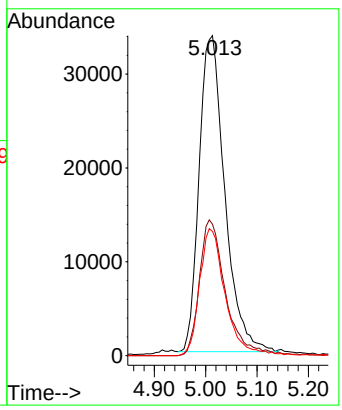
Tgt Ion: 42 Resp: 11676

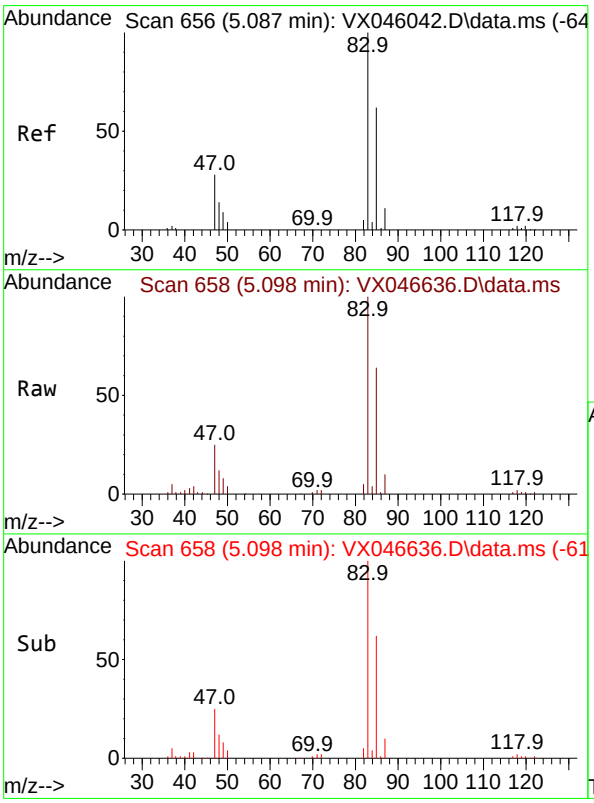
Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.7	50.5
71	40.3	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

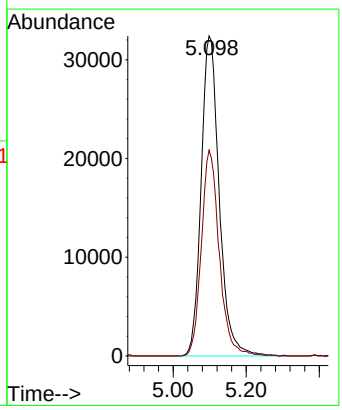


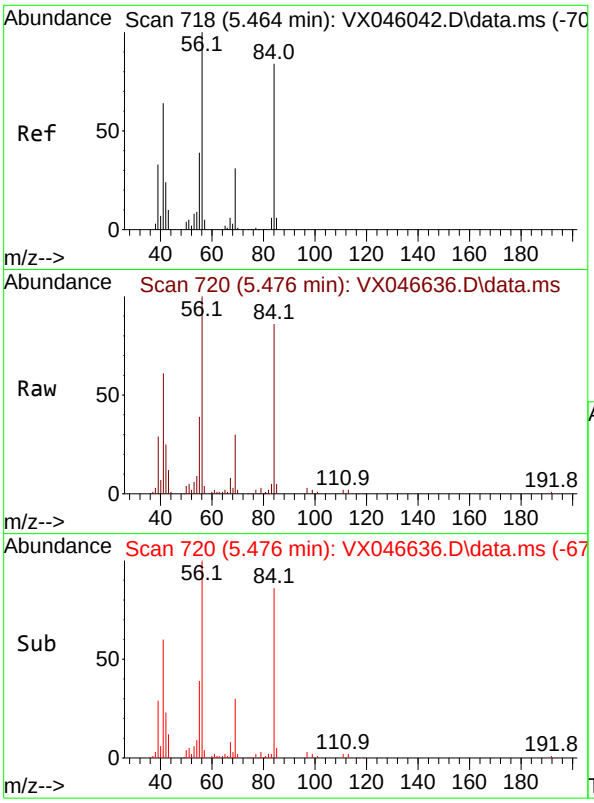


#30
Chloroform
Concen: 53.424 ug/l
RT: 5.098 min Scan# 658
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 83 Resp: 111101

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.3	73.9

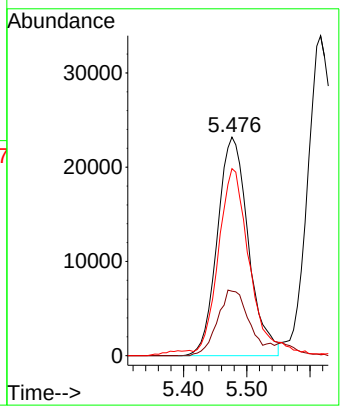




#31
Cyclohexane
Concen: 49.332 ug/l
RT: 5.476 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 56 Resp: 7904

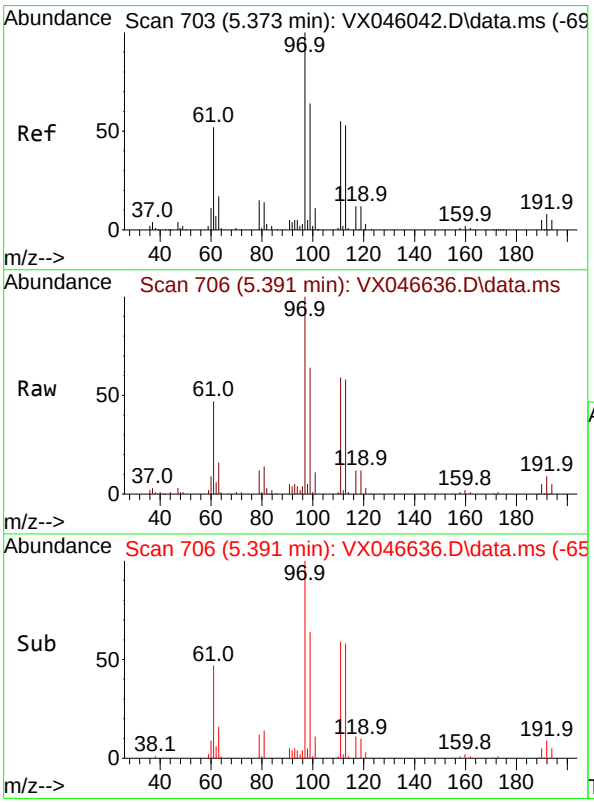
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.4	36.6
84	83.3	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

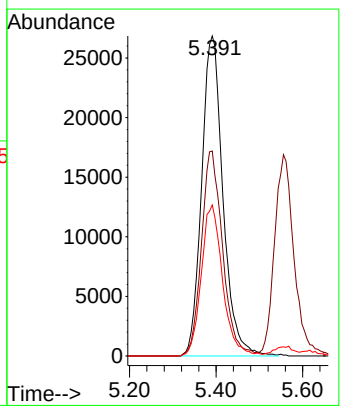
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

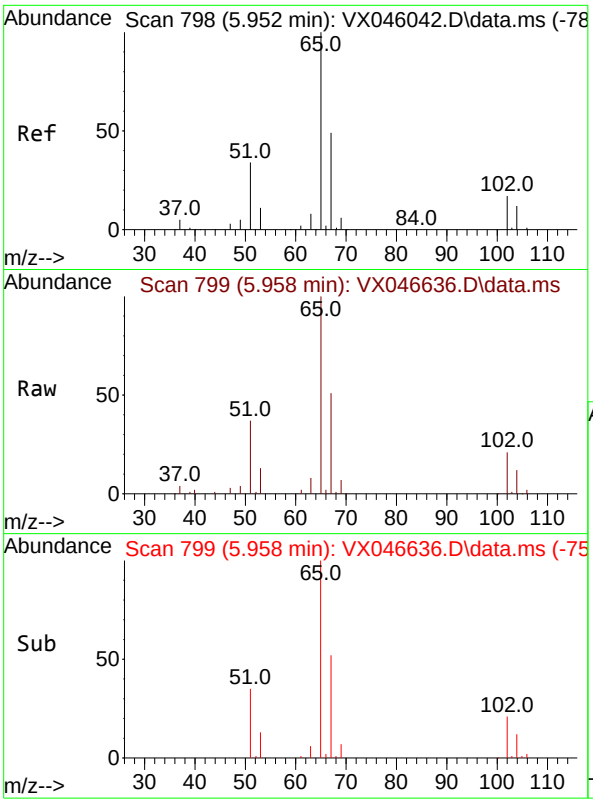


#32
1,1,1-Trichloroethane
Concen: 51.668 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 97 Resp: 91912

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	47.0	40.1	60.1

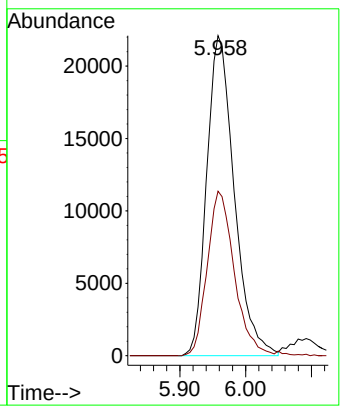




#33
1,2-Dichloroethane-d4
Concen: 46.653 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 65 Resp: 6429

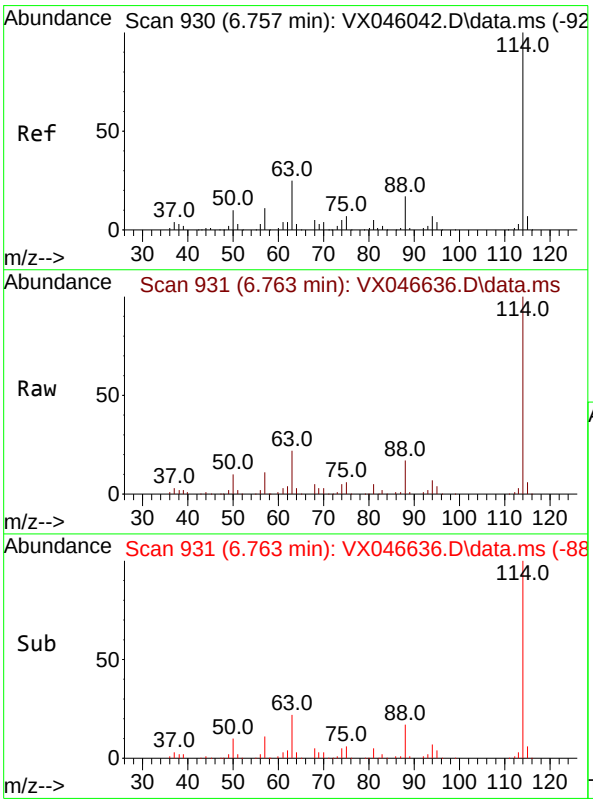
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

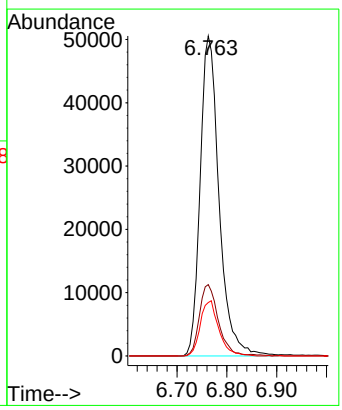
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

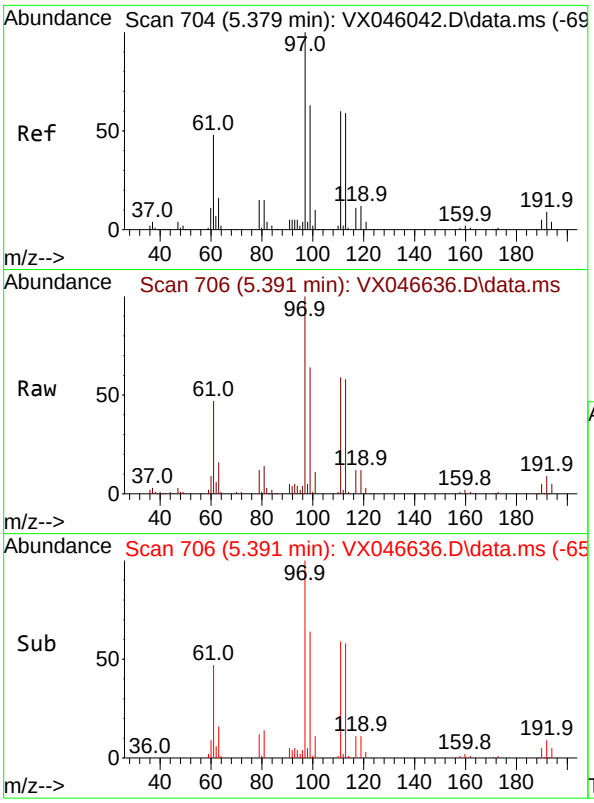


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:114 Resp: 133266

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	49.2
88	16.7	0.0	33.6

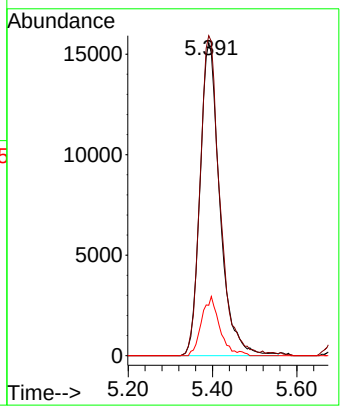




#35
Dibromofluoromethane
Concen: 51.915 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:113 Resp: 5087

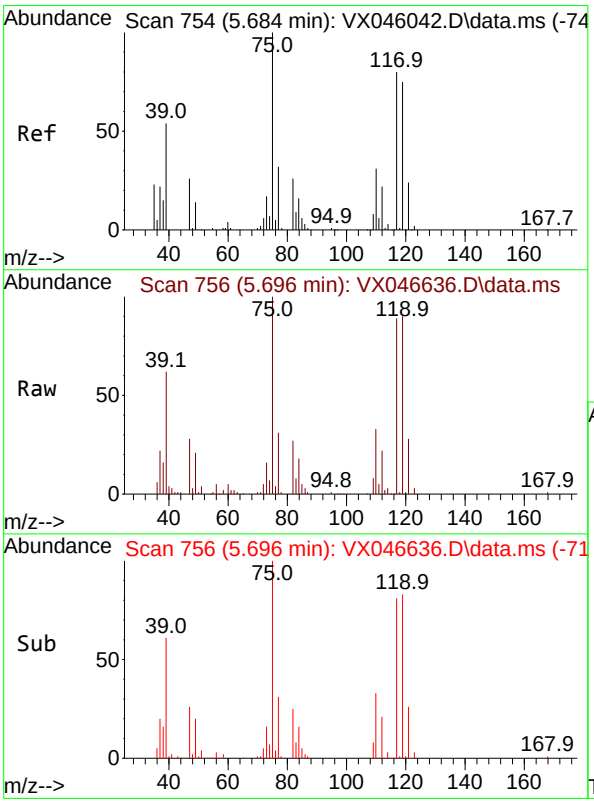
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	17.4	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

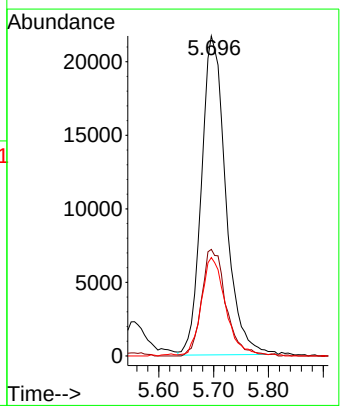
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

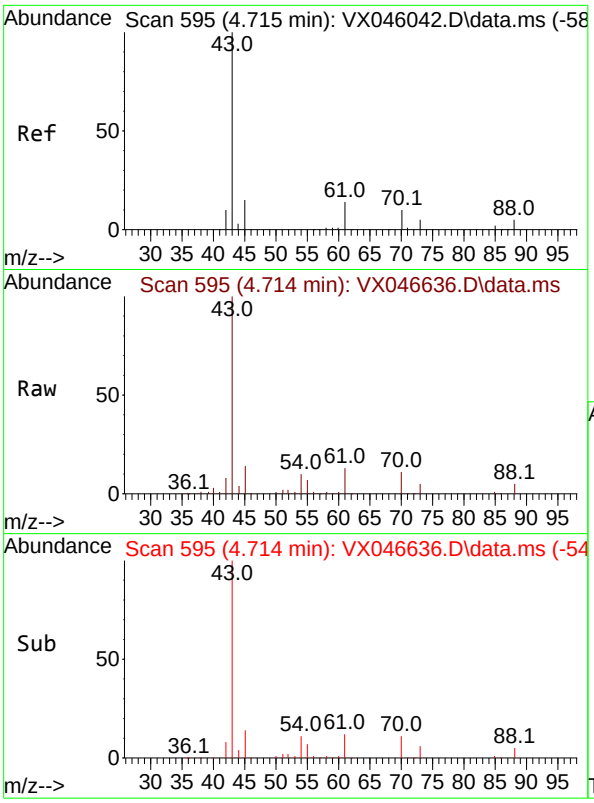


#36
1,1-Dichloropropene
Concen: 47.660 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.018 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 66719

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.2	24.3	36.5





#37
Ethyl Acetate
Concen: 53.299 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.019 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

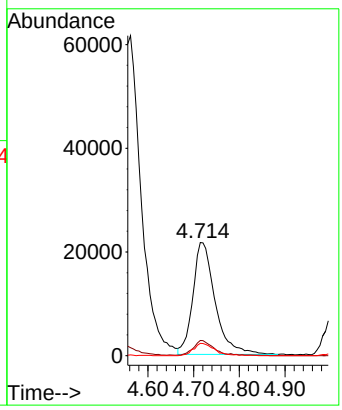
Tgt Ion: 43 Resp: 7282

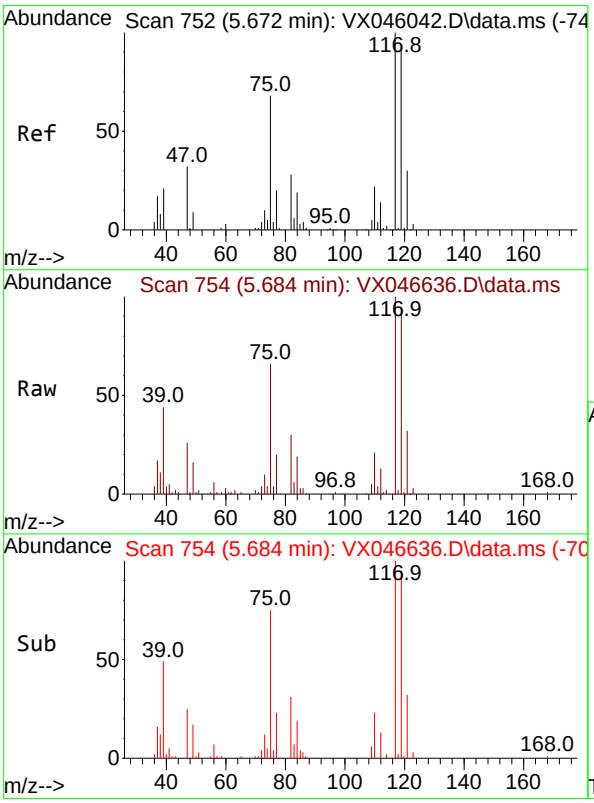
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	10.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

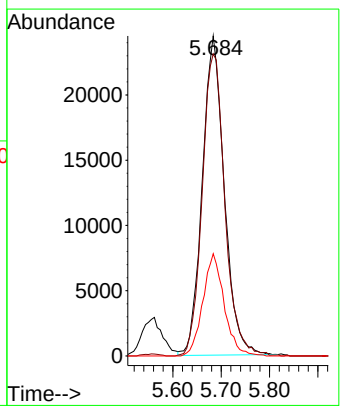


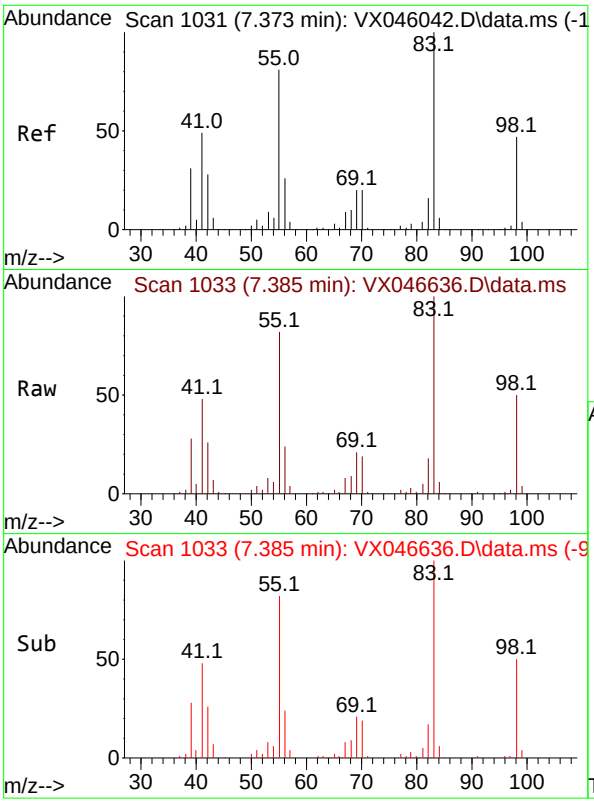


#38
Carbon Tetrachloride
Concen: 49.184 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:117 Resp: 77120

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.2	112.8
121	32.1	24.2	36.4

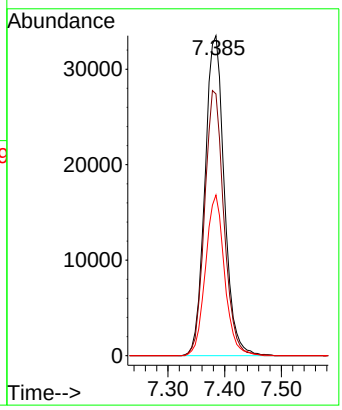




#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 83 Resp: 7950

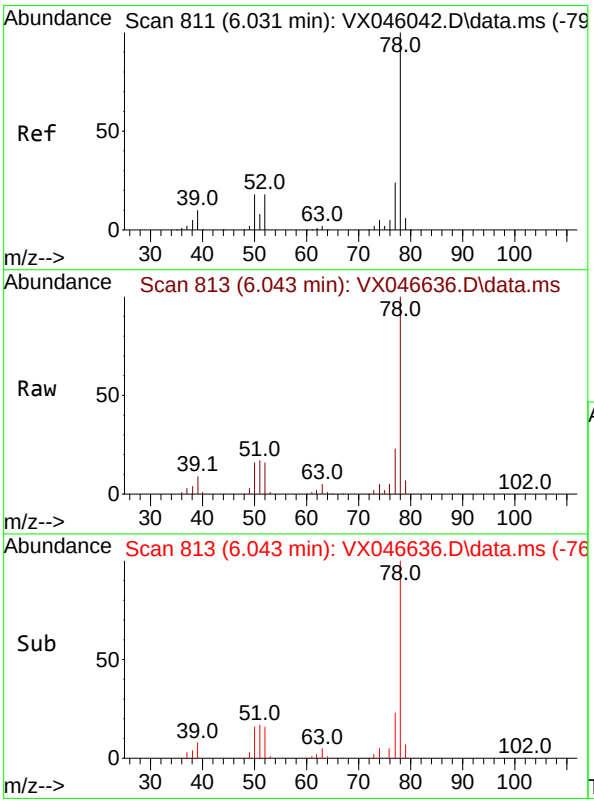
Ion	Ratio	Lower	Upper
83	100		
55	81.8	64.7	97.1
98	50.2	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

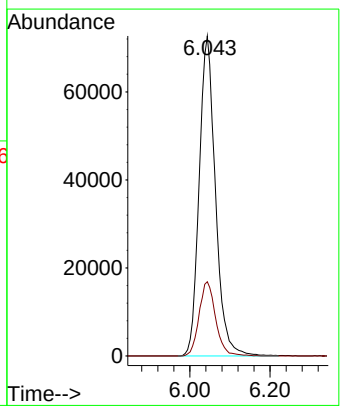
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

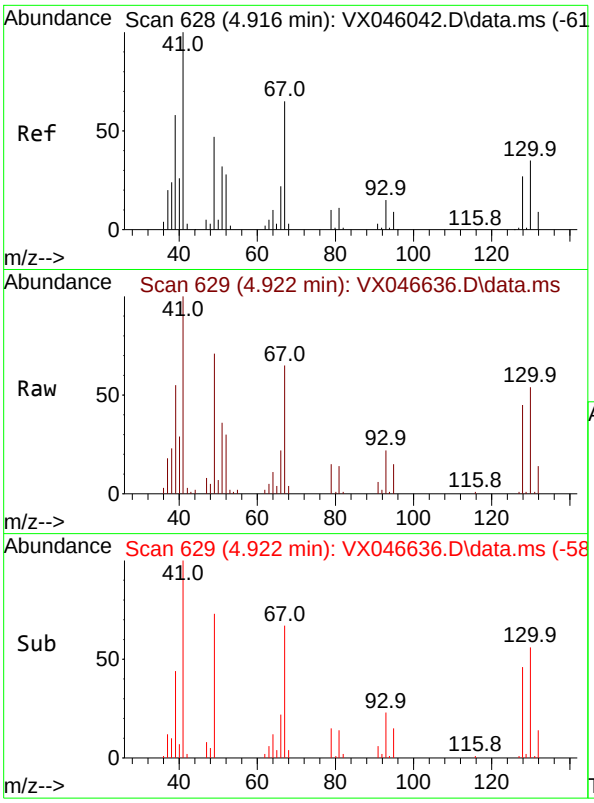


#40
Benzene
Concen: 51.876 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 78 Resp: 204444

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4

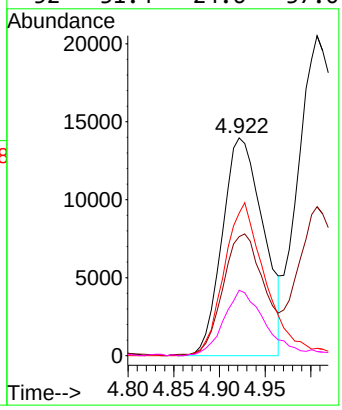




#41
Methacrylonitrile
Concen: 51.538 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 41 Resp: 4372

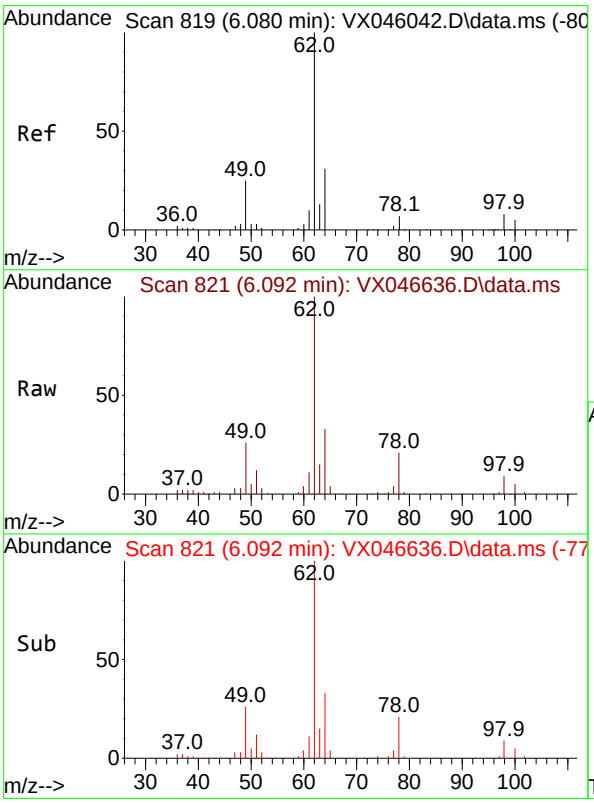
Ion	Ratio	Lower	Upper
41	100		
39	56.2	47.2	70.8
67	72.3	50.7	76.1
52	31.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

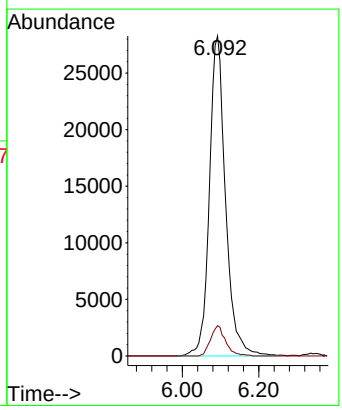
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

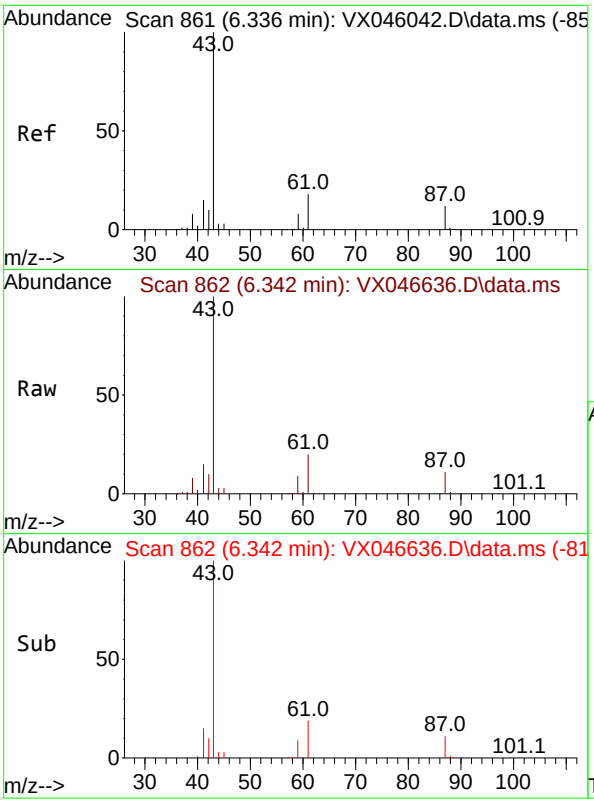


#42
1,2-Dichloroethane
Concen: 50.505 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 62 Resp: 82805

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.2

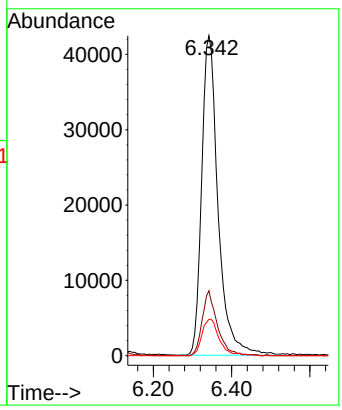




#43
Isopropyl Acetate
Concen: 51.690 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 12312

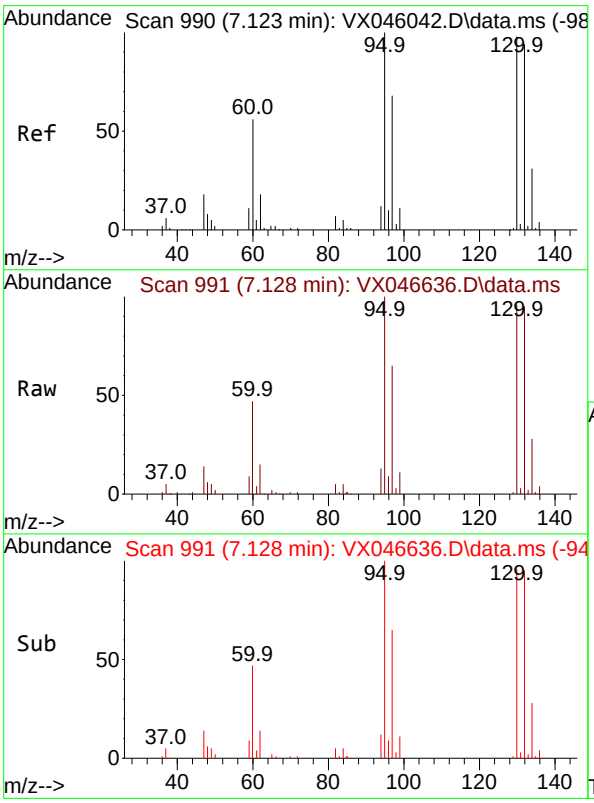
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.3	21.5
87	12.1	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

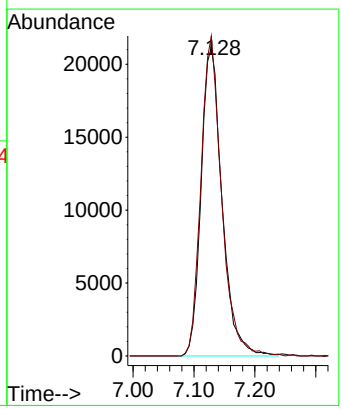
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

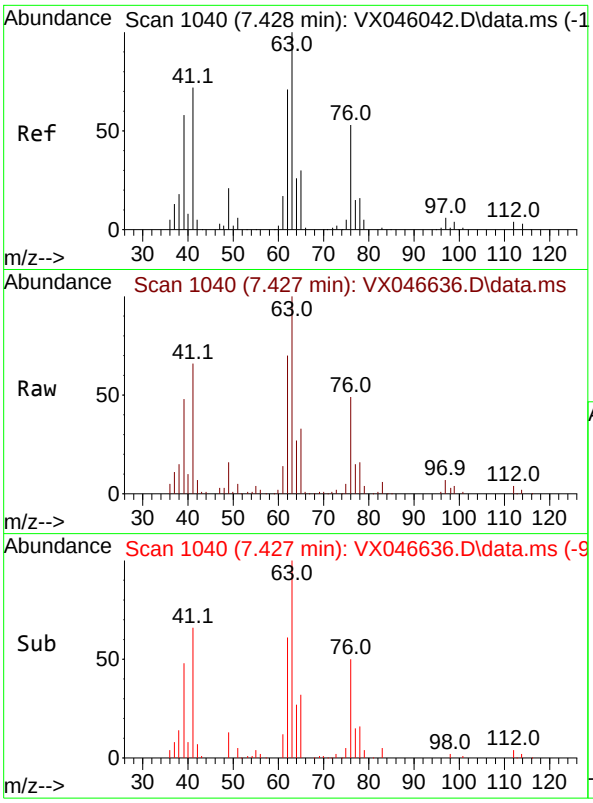


#44
Trichloroethene
Concen: 50.496 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:130 Resp: 50564

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	204.2

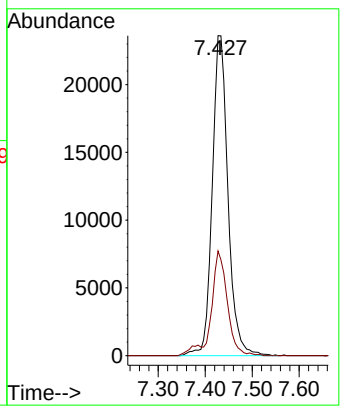




#45
1,2-Dichloropropane
Concen: 53.877 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 63 Resp: 5480

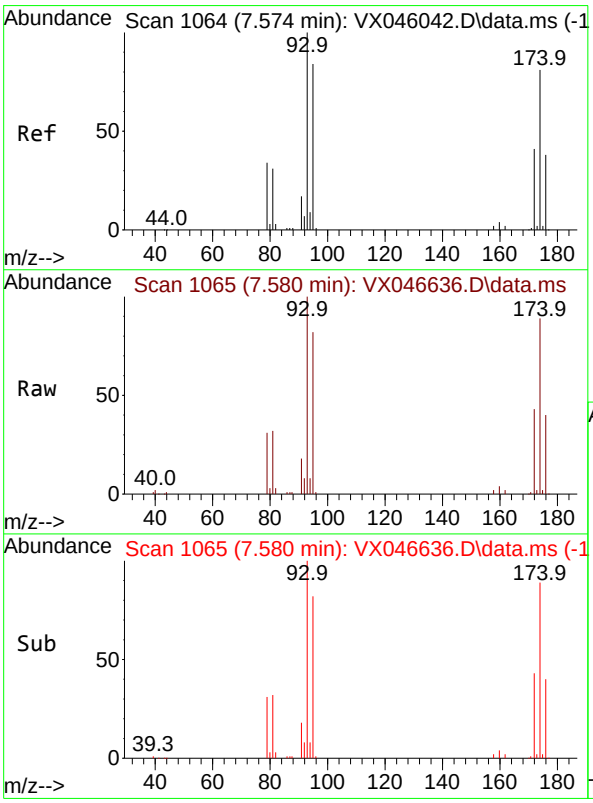
Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

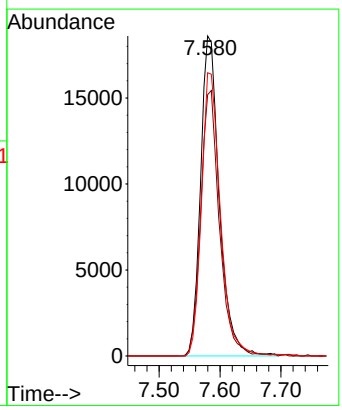
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

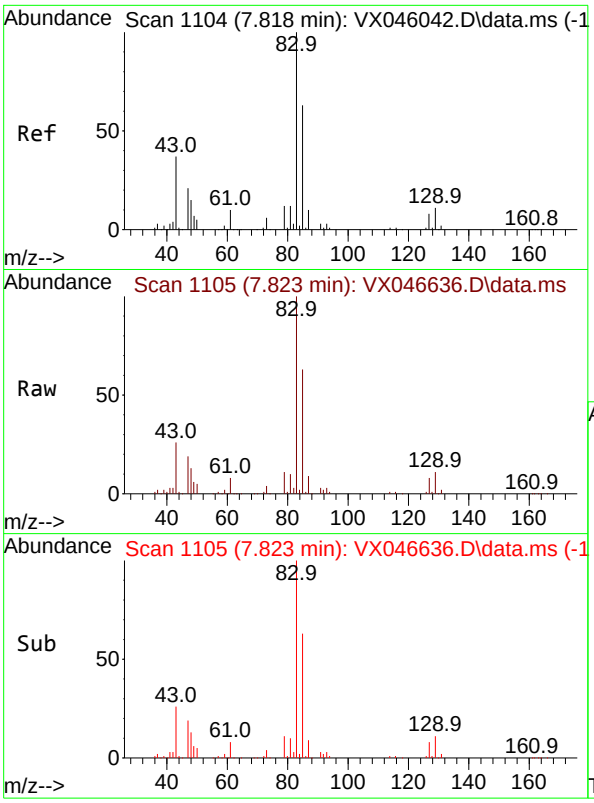


#46
Dibromomethane
Concen: 52.002 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 93 Resp: 39795

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.6	98.4
174	89.3	68.2	102.2

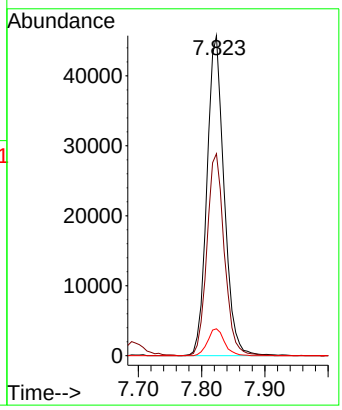




#47
Bromodichloromethane
Concen: 54.764 ug/l
RT: 7.823 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 83 Resp: 8617

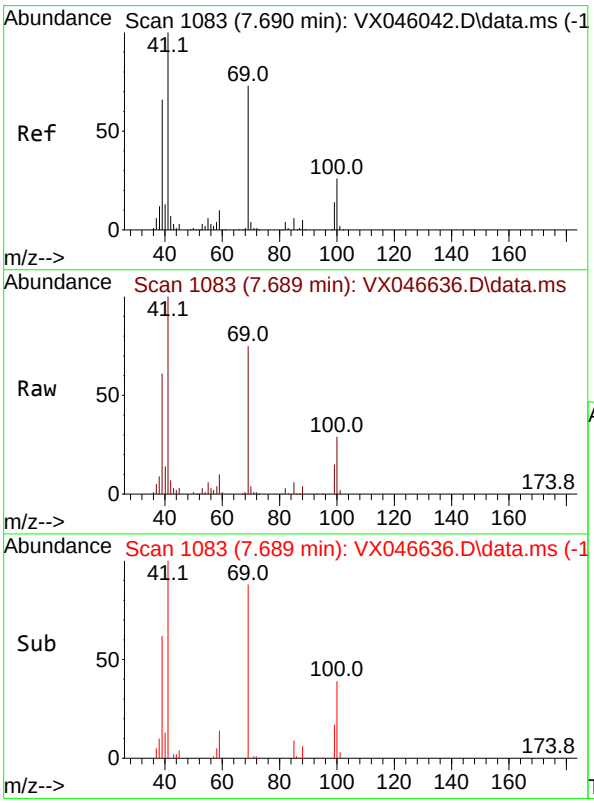
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.4	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

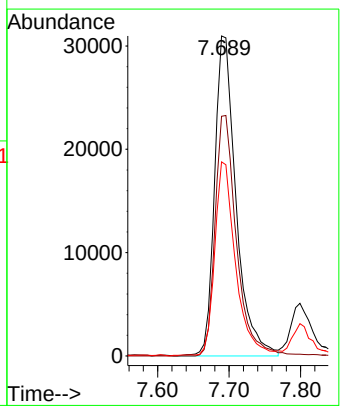
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

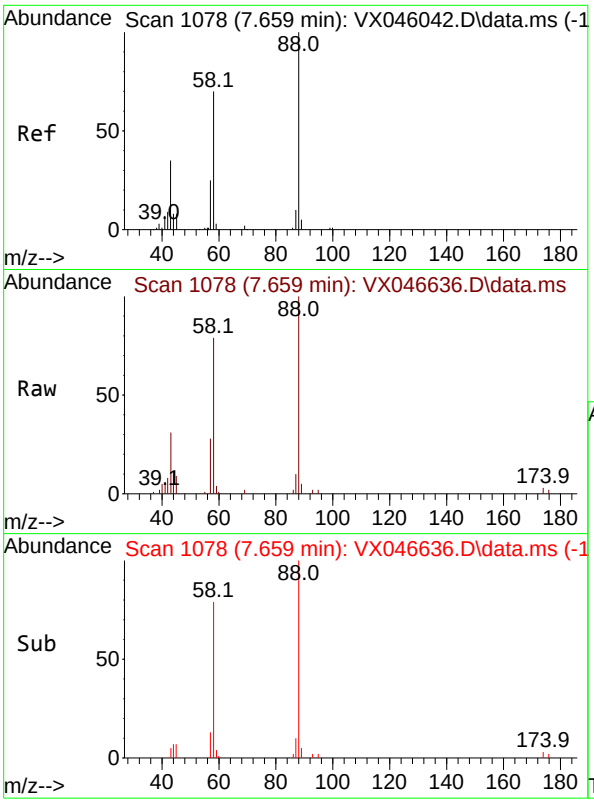


#48
Methyl methacrylate
Concen: 52.623 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.013 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 41 Resp: 64491

Ion	Ratio	Lower	Upper
41	100		
69	75.5	58.5	87.7
39	59.2	51.7	77.5

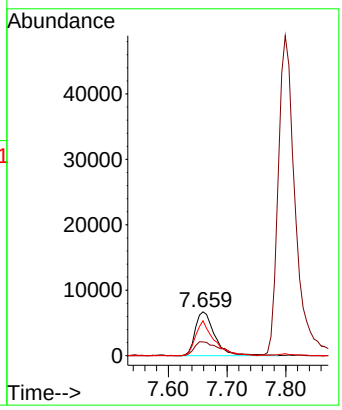




#49
1,4-Dioxane
Concen: 936.440 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 88 Resp: 1534

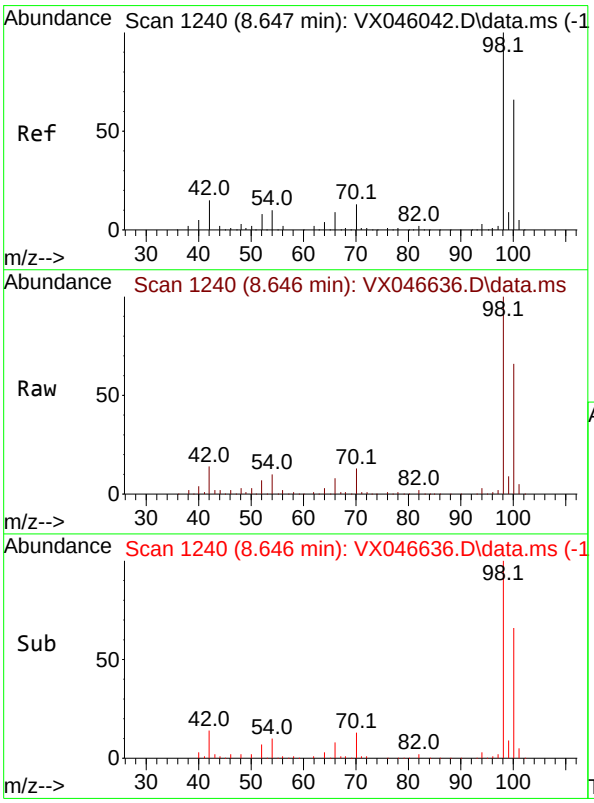
Ion	Ratio	Lower	Upper
88	100		
43	43.4	33.4	50.2
58	74.5	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

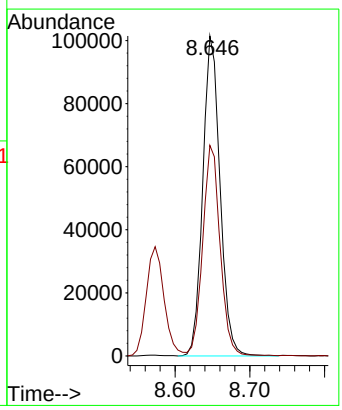
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

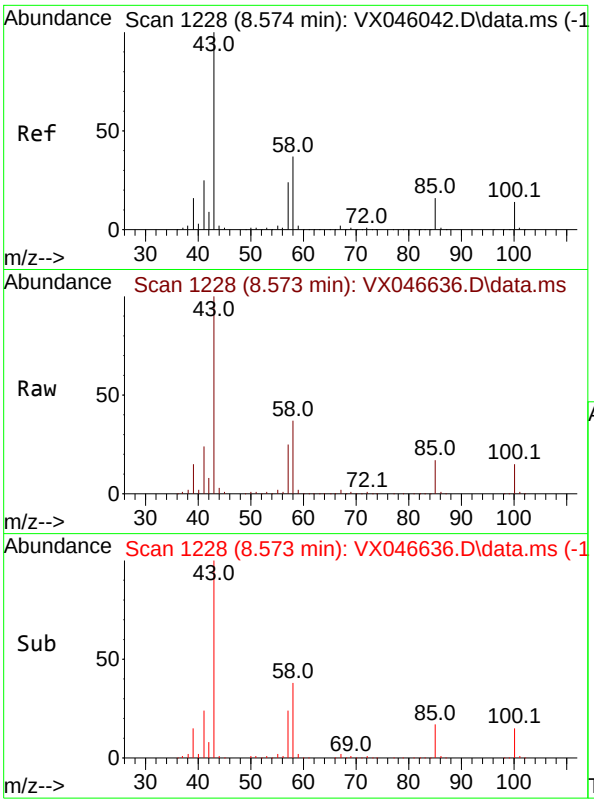


#50
Toluene-d8
Concen: 50.297 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 98 Resp: 162512

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.5	80.3

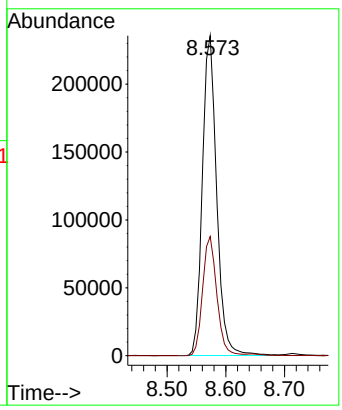




#51
4-Methyl-2-Pentanone
Concen: 263.985 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 39957

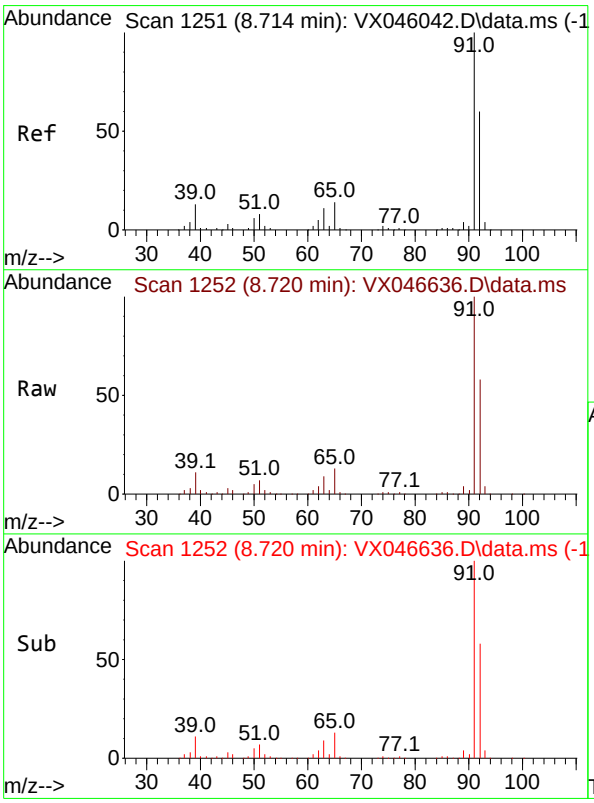
Ion	Ratio	Lower	Upper
43	100		
58	36.9	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

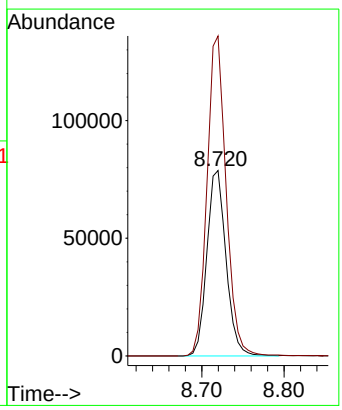
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

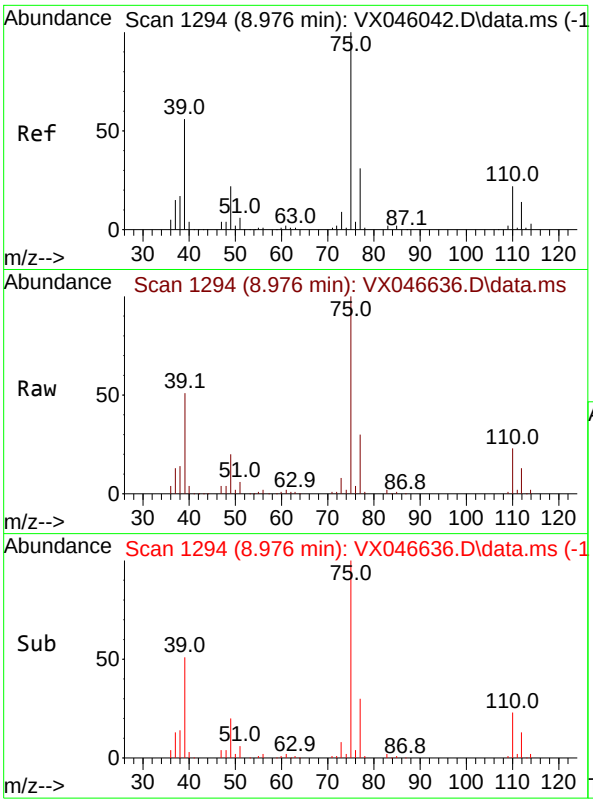


#52
Toluene
Concen: 52.732 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 92 Resp: 127673

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	205.0

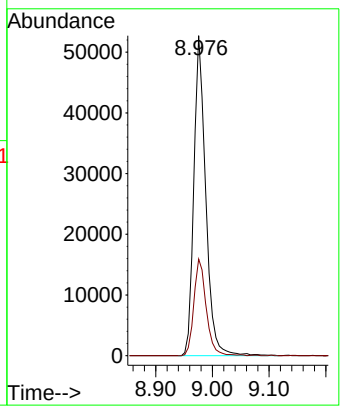




#53
t-1,3-Dichloropropene
Concen: 54.455 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 7682

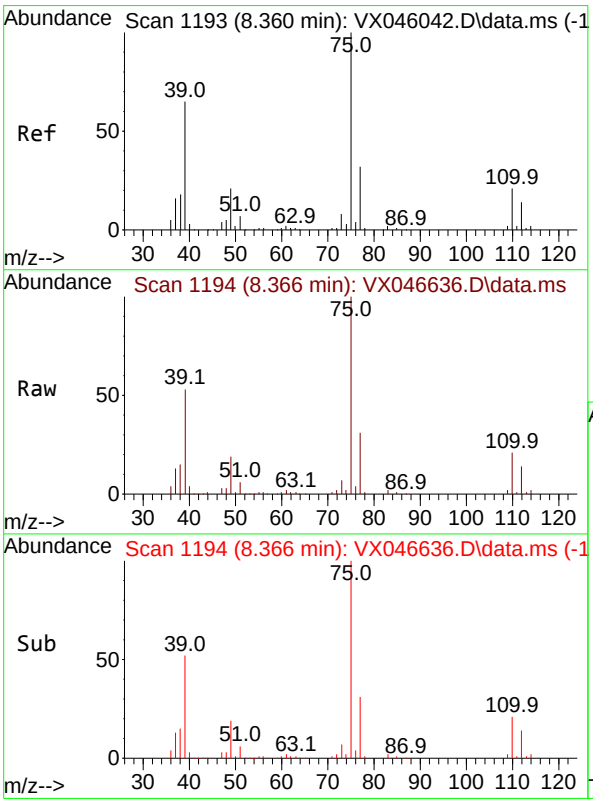
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

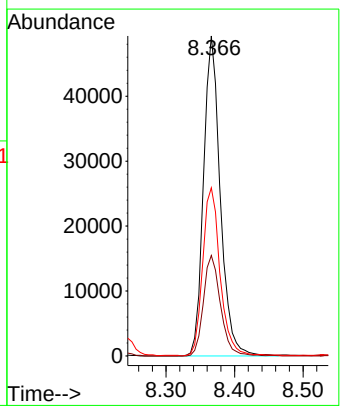
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

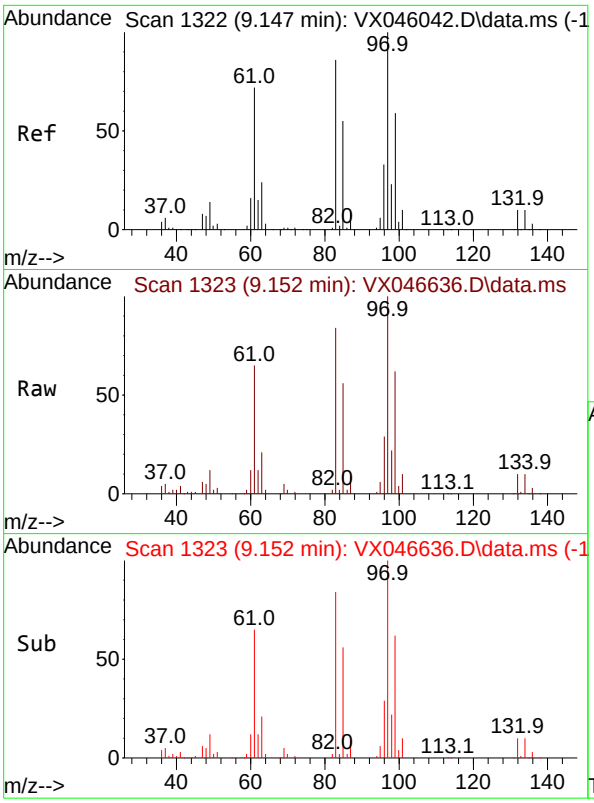


#54
cis-1,3-Dichloropropene
Concen: 53.504 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 83927

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	52.4	52.2	78.4

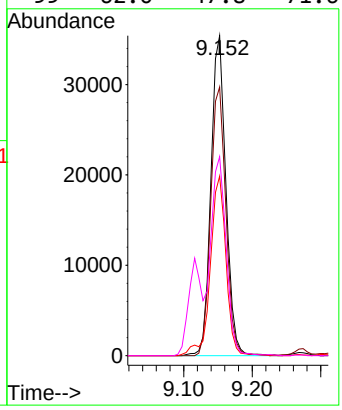




#55
1,1,2-Trichloroethane
Concen: 55.318 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 97 Resp: 5376

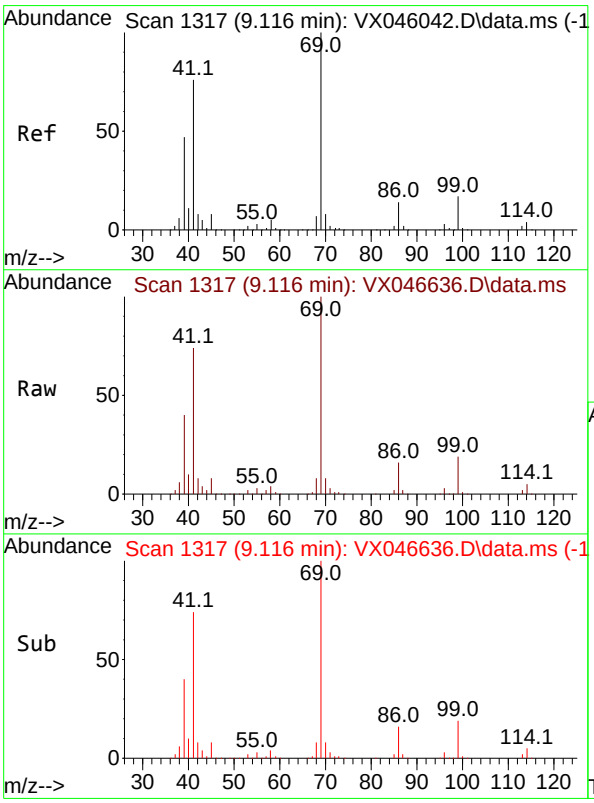
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.0	103.6
85	56.1	44.3	66.5
99	62.0	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

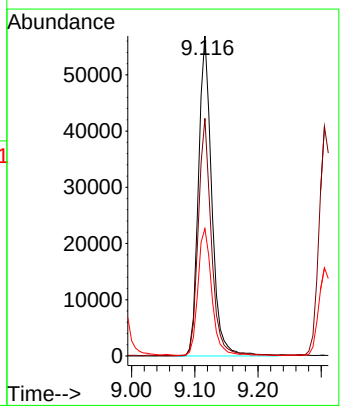
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

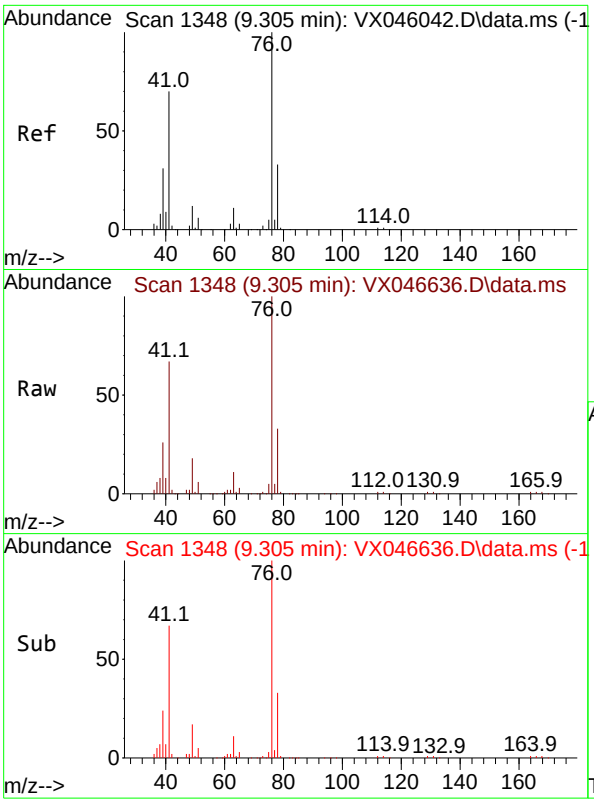


#56
Ethyl methacrylate
Concen: 56.009 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 69 Resp: 83775

Ion	Ratio	Lower	Upper
69	100		
41	72.3	60.8	91.2
39	41.4	39.0	58.6

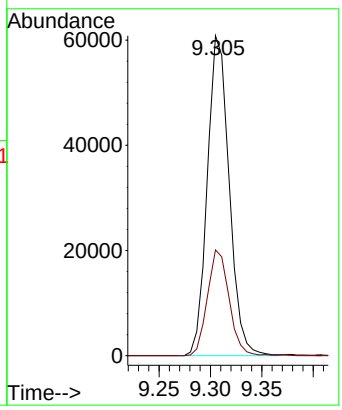




#57
1,3-Dichloropropane
Concen: 52.422 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 76 Resp: 9004

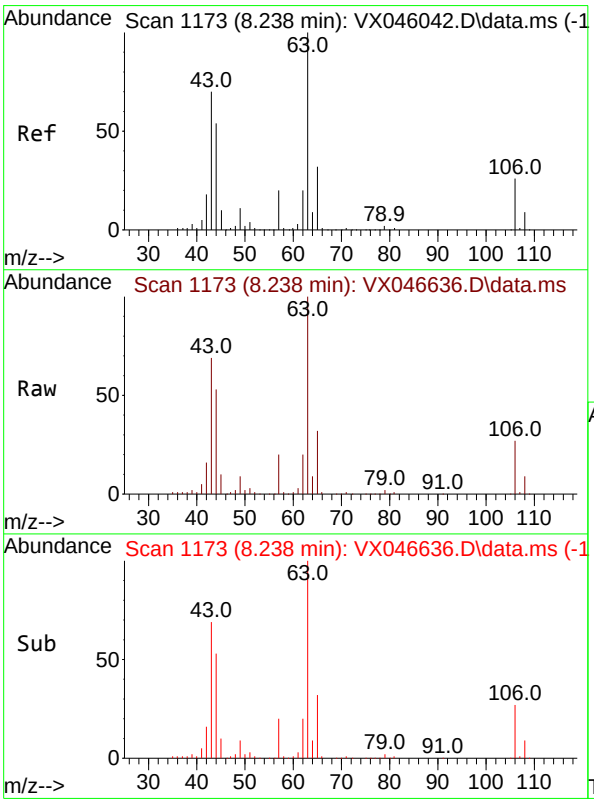
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

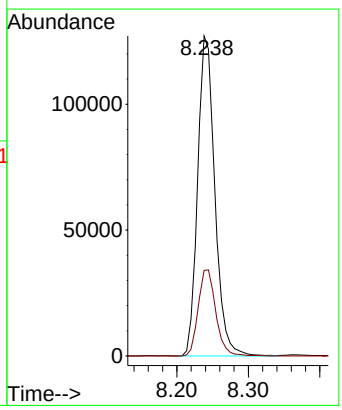
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

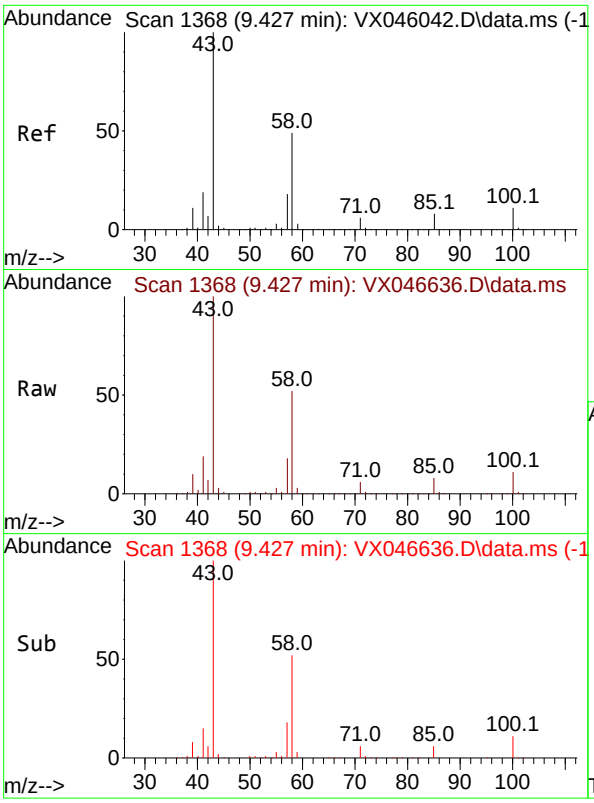


#58
2-Chloroethyl Vinyl ether
Concen: 260.437 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 63 Resp: 212181

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.5	32.3





#59
2-Hexanone
Concen: 259.182 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

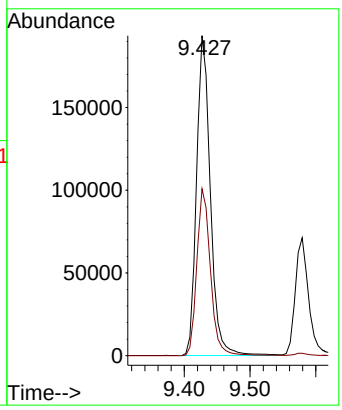
Tgt Ion: 43 Resp: 28135

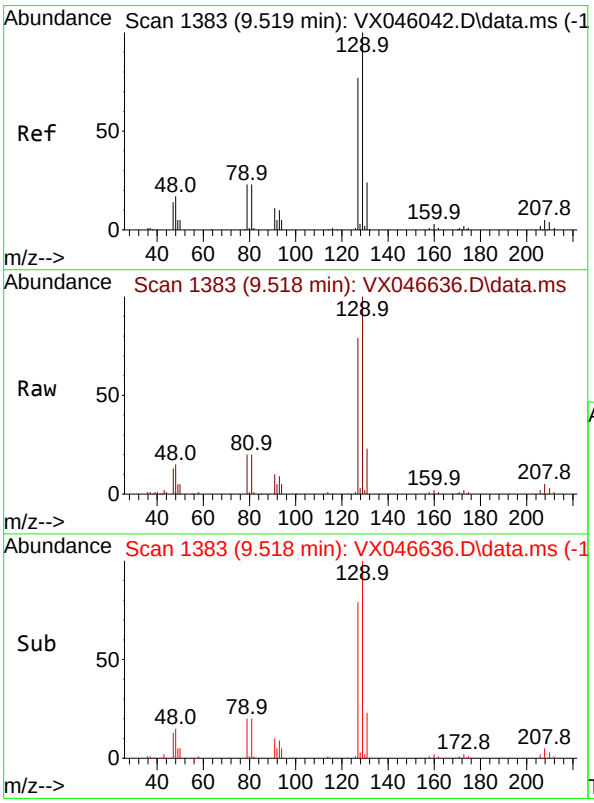
Ion	Ratio	Lower	Upper
43	100		
58	51.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

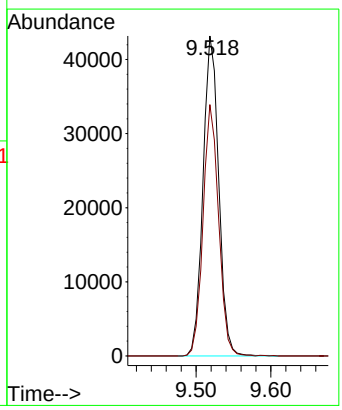


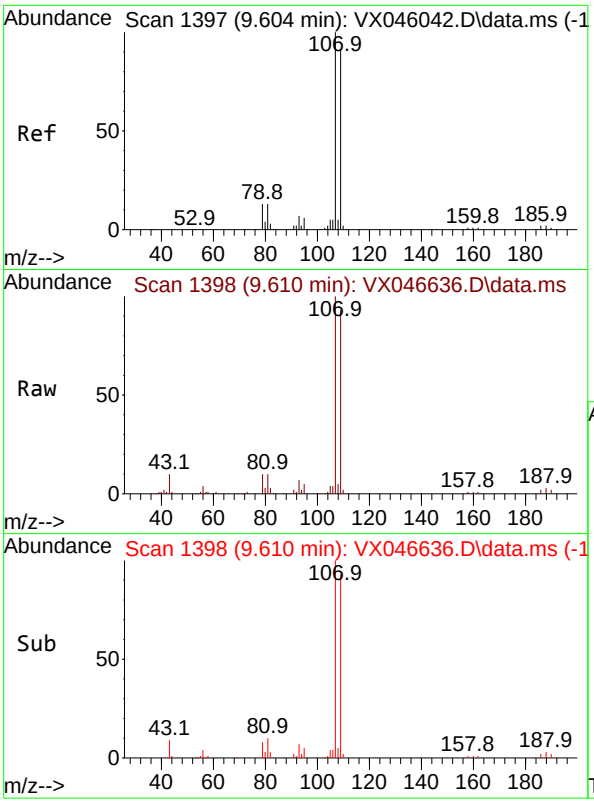


#60
Dibromochloromethane
Concen: 55.050 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:129 Resp: 62938

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8

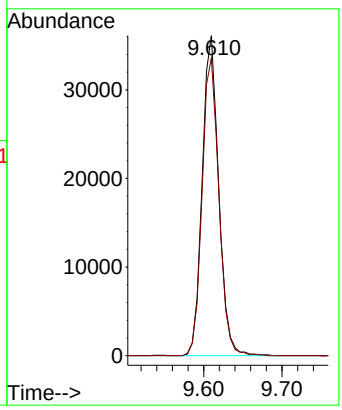




#61
1,2-Dibromoethane
Concen: 52.090 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:107 Resp: 5275

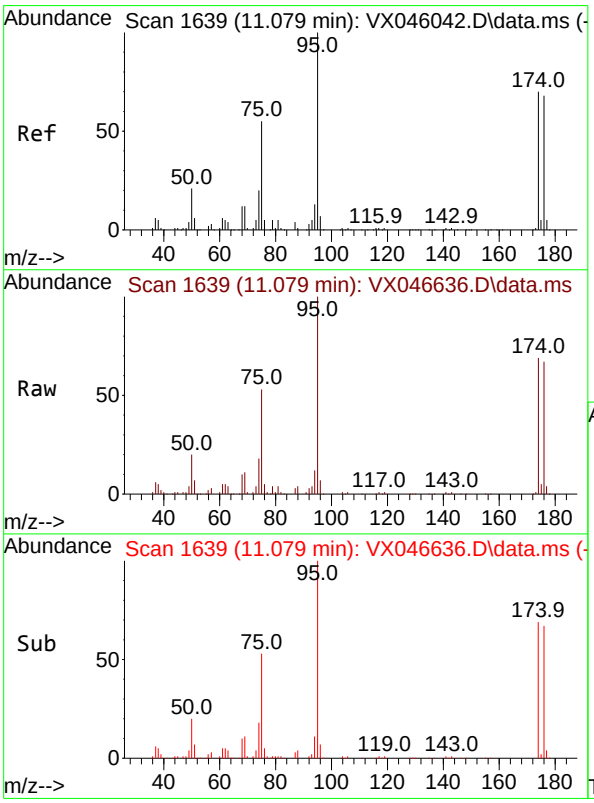
Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

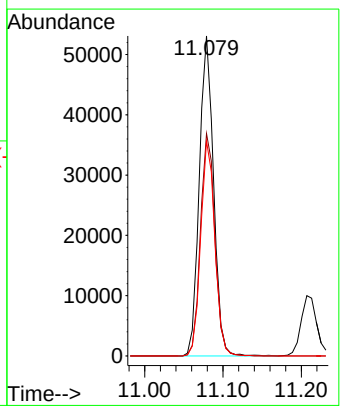
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

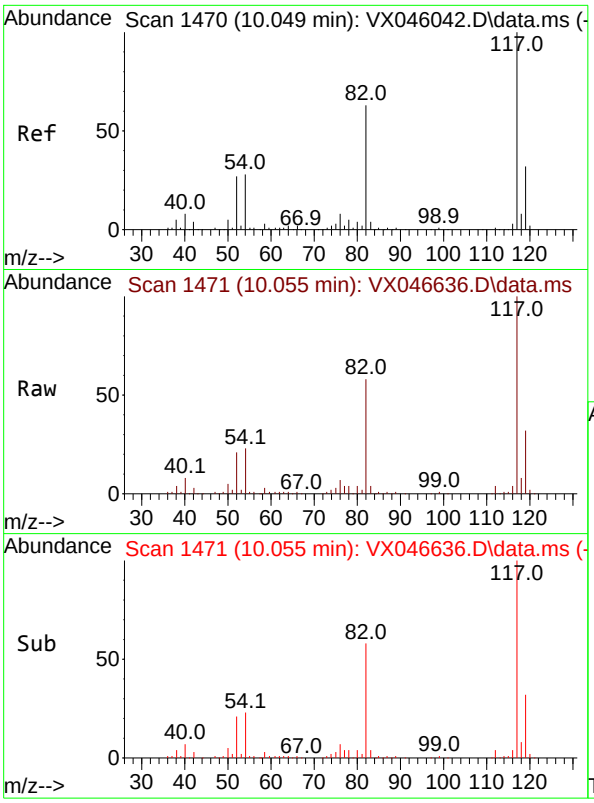


#62
4-Bromofluorobenzene
Concen: 50.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 95 Resp: 67056

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	135.8
176	66.6	0.0	131.4

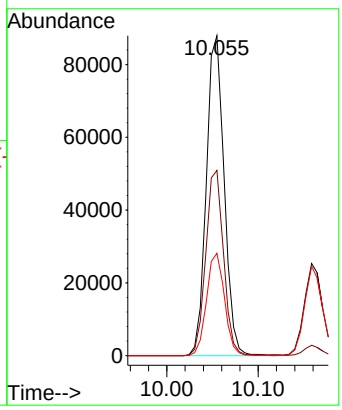




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:117 Resp: 11918

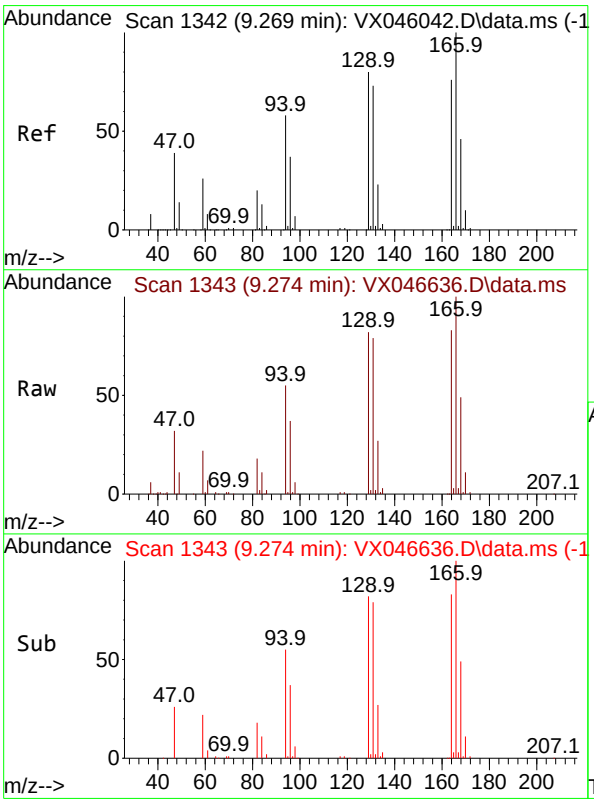
Ion	Ratio	Lower	Upper
117	100		
82	57.9	50.6	76.0
119	32.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

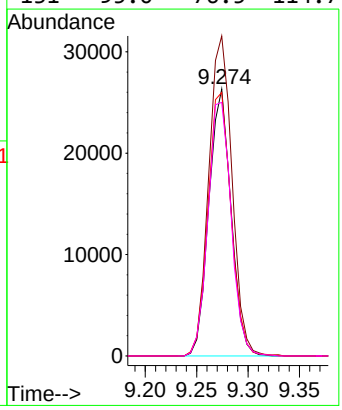
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

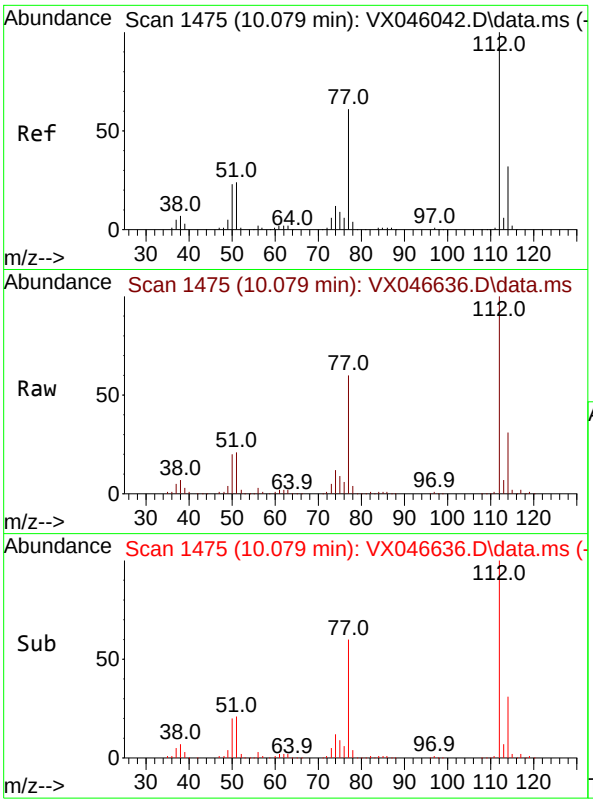


#64
Tetrachloroethene
Concen: 49.417 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:164 Resp: 39385

Ion	Ratio	Lower	Upper
164	100		
166	119.9	105.0	157.6
129	98.7	83.5	125.3
131	95.0	76.5	114.7

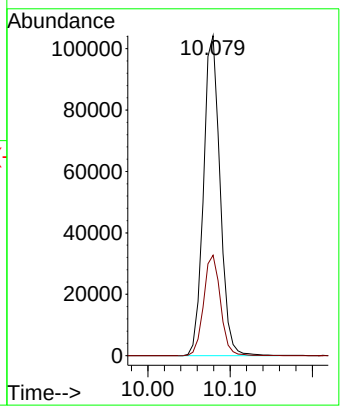




#65
Chlorobenzene
Concen: 51.980 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:112 Resp: 14570

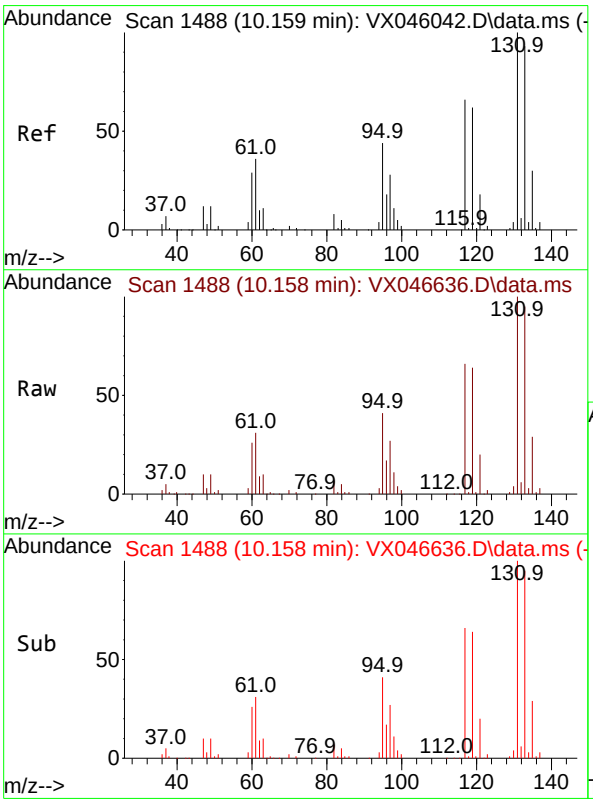
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

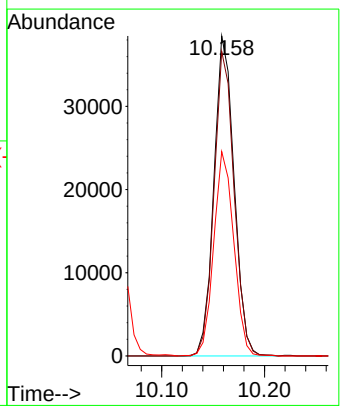
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

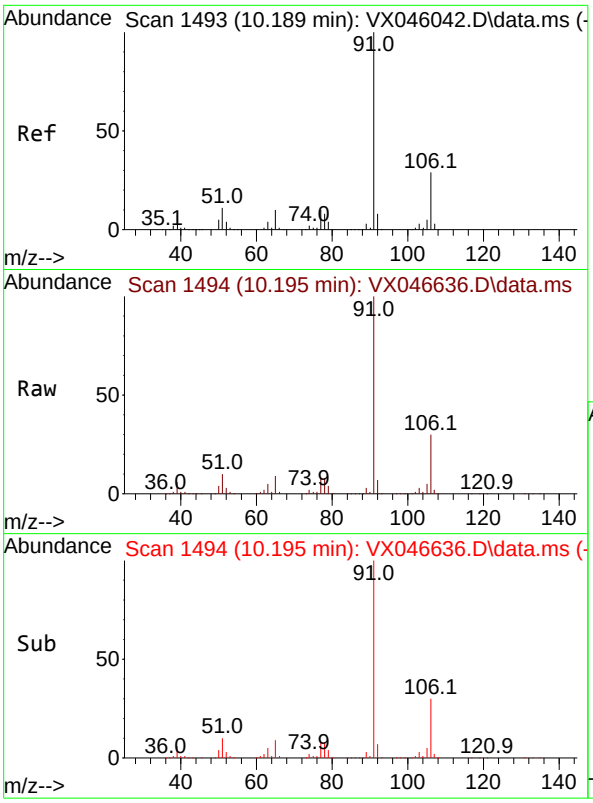


#66
1,1,1,2-Tetrachloroethane
Concen: 55.199 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:131 Resp: 52286

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.6	31.6	95.0

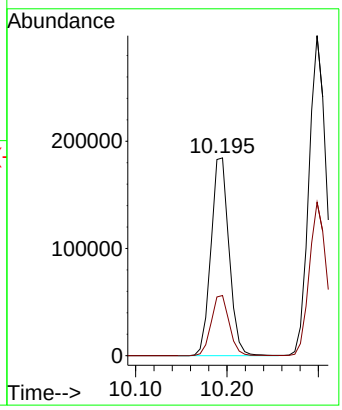




#67
Ethyl Benzene
Concen: 51.724 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 91 Resp: 25311

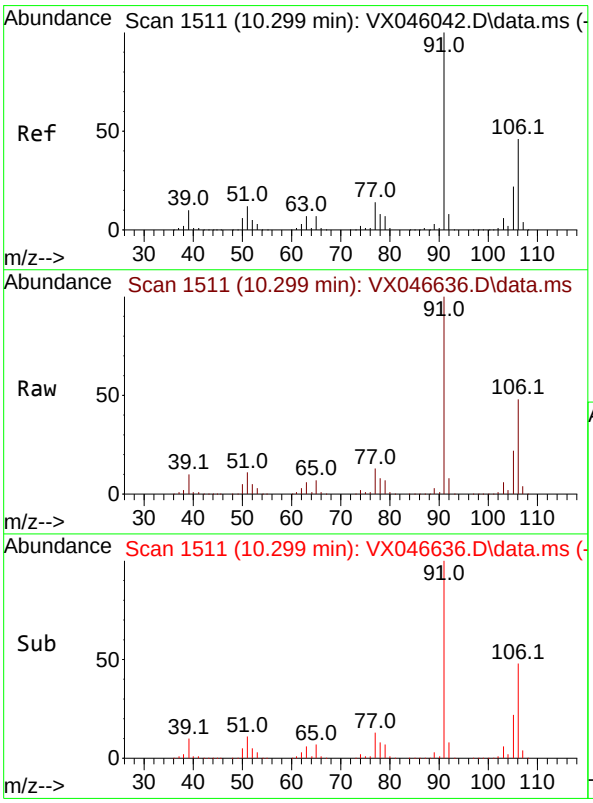
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

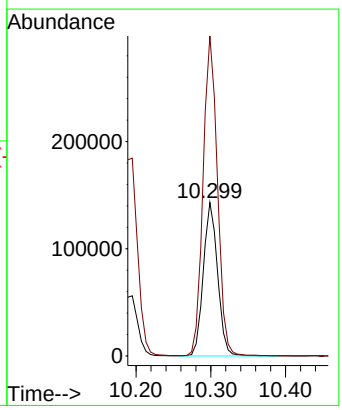
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

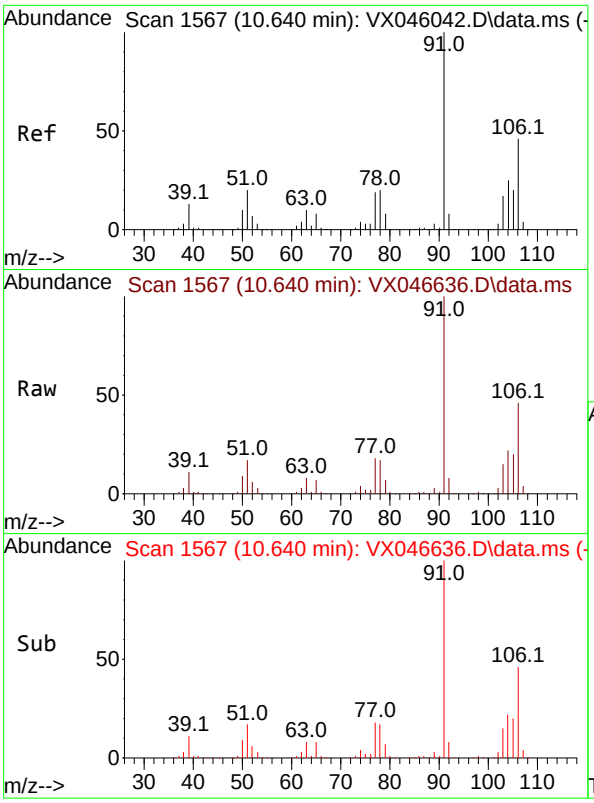


#68
m/p-Xylenes
Concen: 106.345 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:106 Resp: 188777

Ion	Ratio	Lower	Upper
106	100		
91	210.7	171.2	256.8

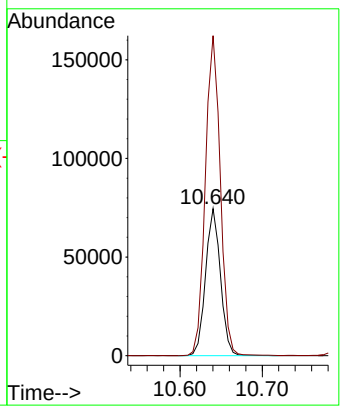




#69
o-Xylene
Concen: 54.541 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:106 Resp: 9364

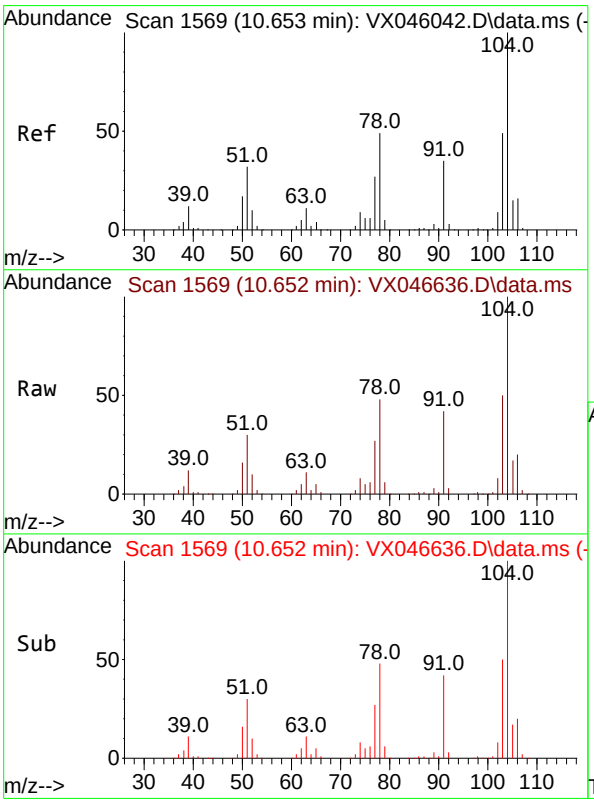
Ion	Ratio	Lower	Upper
106	100		
91	219.1	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

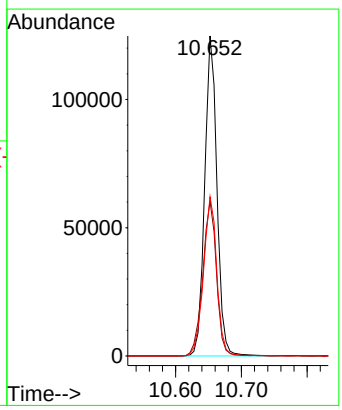
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

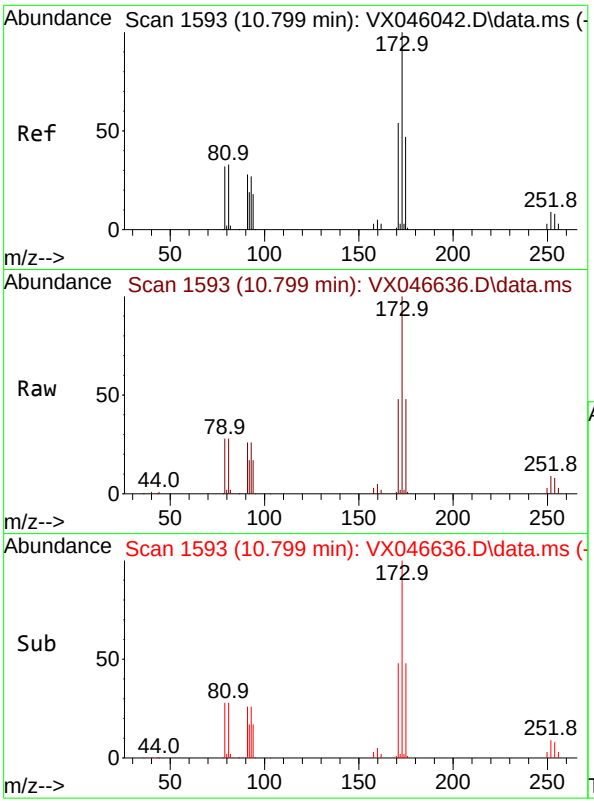


#70
Styrene
Concen: 55.064 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:104 Resp: 161841

Ion	Ratio	Lower	Upper
104	100		
78	54.0	45.7	68.5
103	54.3	43.7	65.5

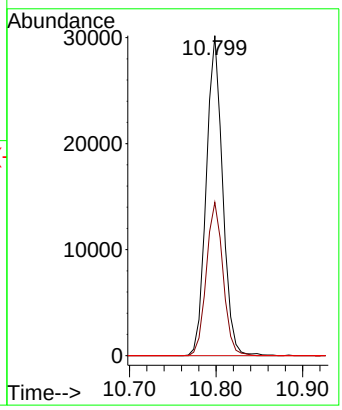




#71
Bromoform
Concen: 54.781 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:173 Resp: 3956

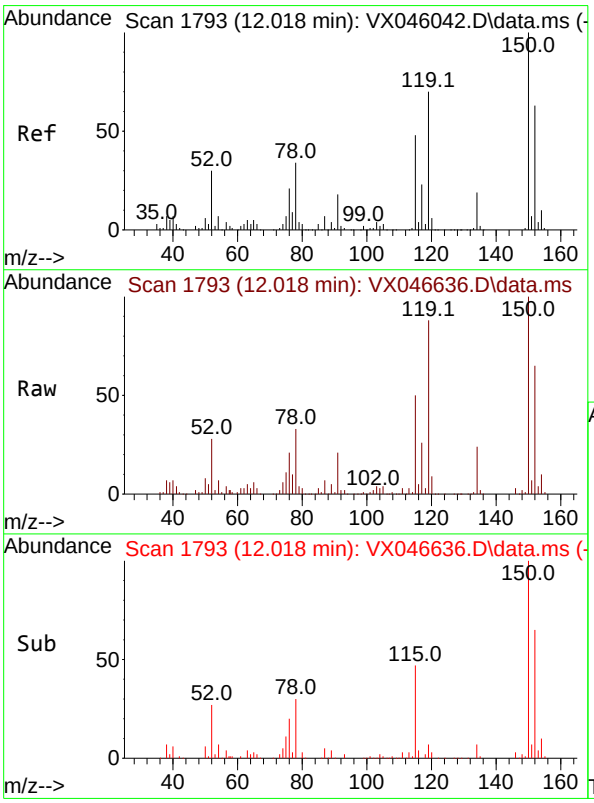
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

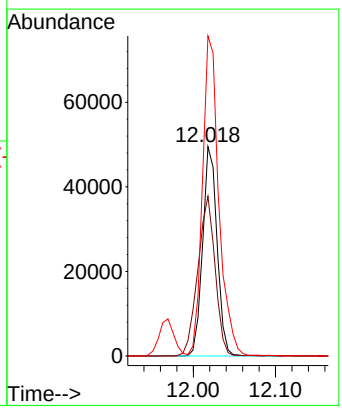
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

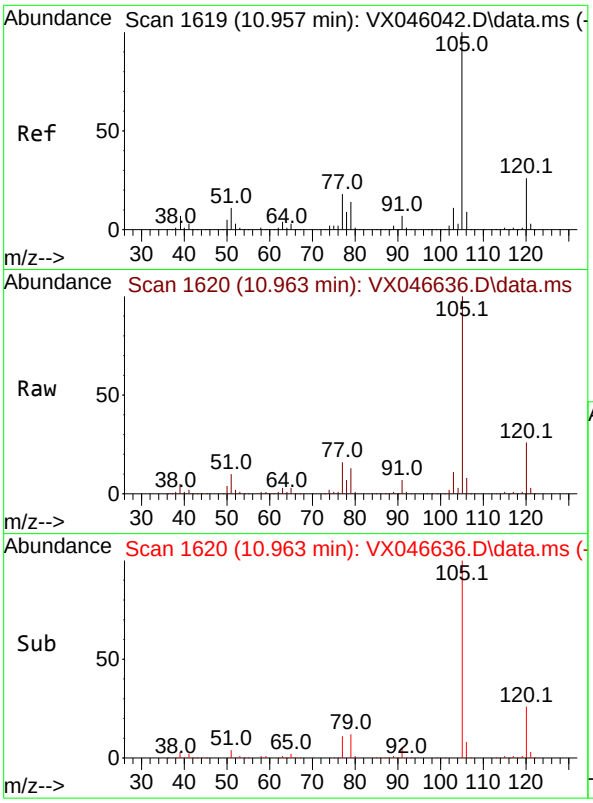


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:152 Resp: 60295

Ion	Ratio	Lower	Upper
152	100		
115	91.4	46.9	140.7
150	173.1	0.0	351.0





#73
Isopropylbenzene
Concen: 52.958 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

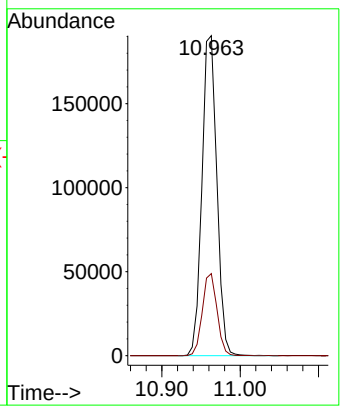
Tgt Ion:105 Resp: 25101

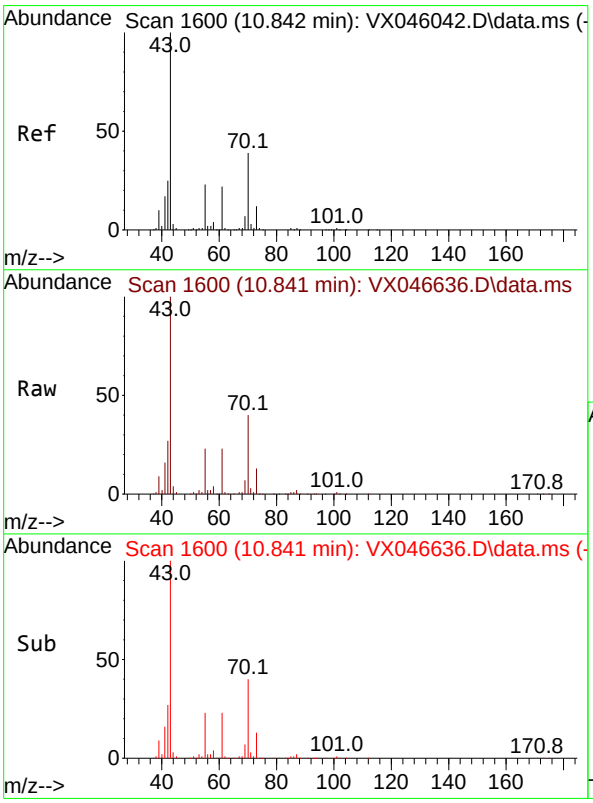
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

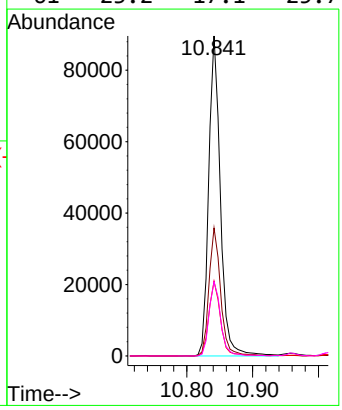


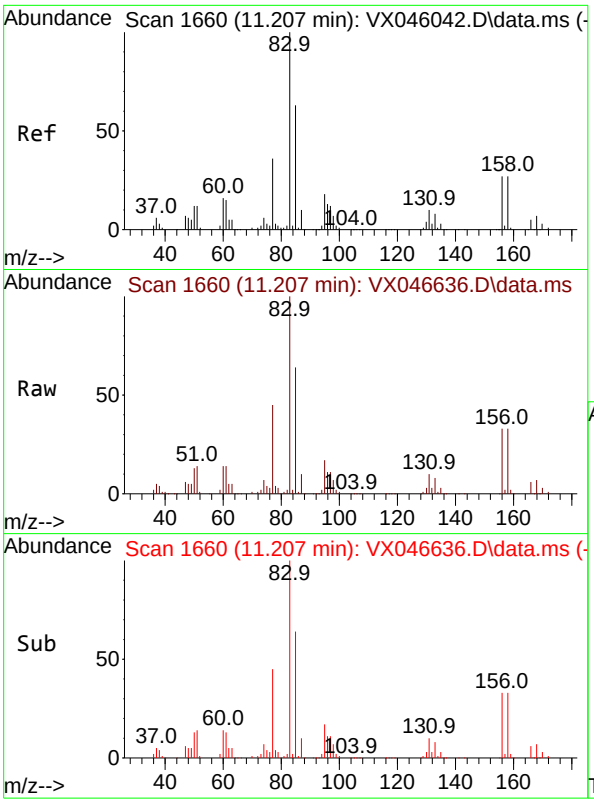


#74
N-amyl acetate
Concen: 53.026 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 43 Resp: 110680

Ion	Ratio	Lower	Upper
43	100		
70	40.1	30.9	46.3
55	23.4	18.7	28.1
61	23.2	17.1	25.7

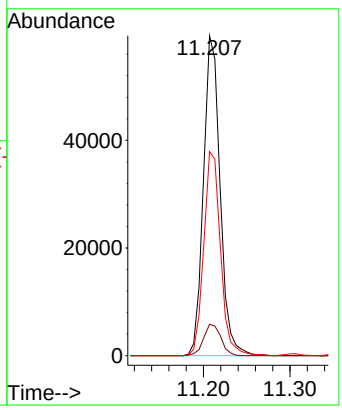




#75
1,1,2,2-Tetrachloroethane
Concen: 52.379 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 83 Resp: 7946

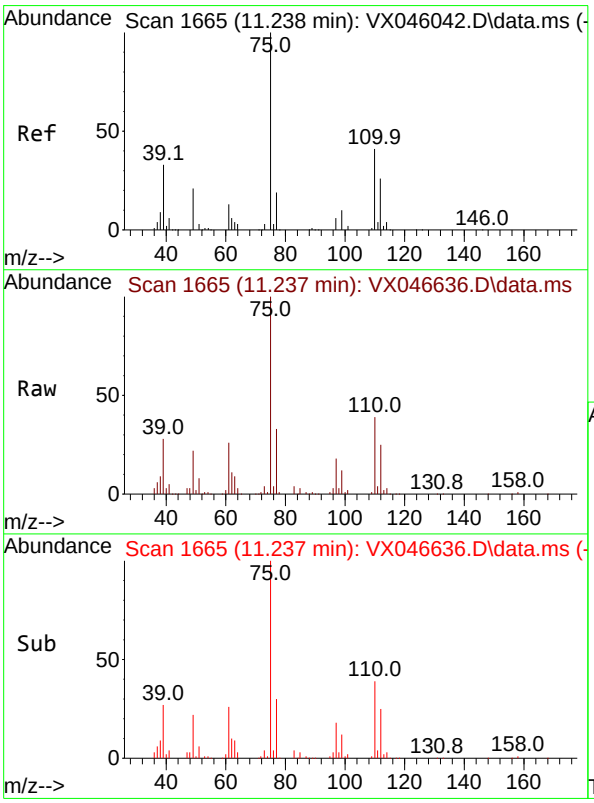
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

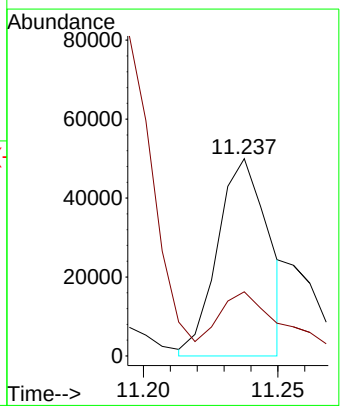
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

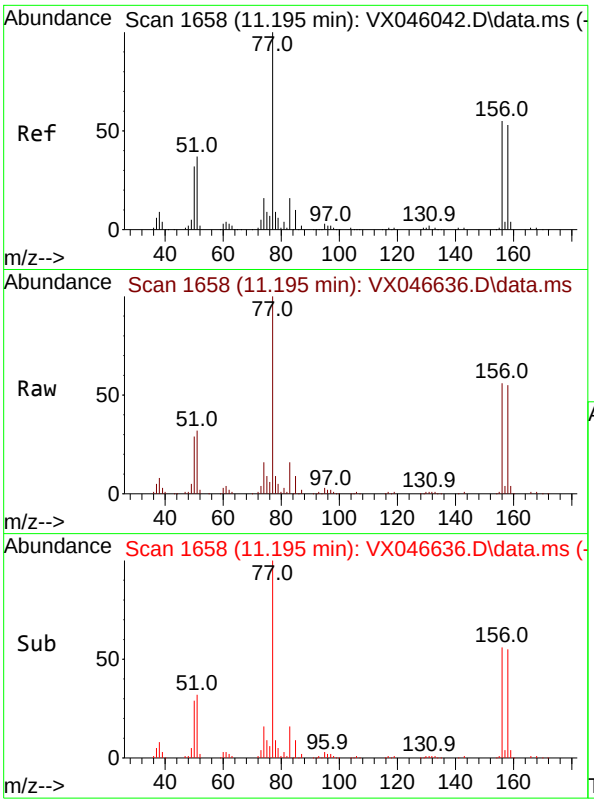


#76
1,2,3-Trichloropropane
Concen: 51.509 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 65783

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.5	61.5

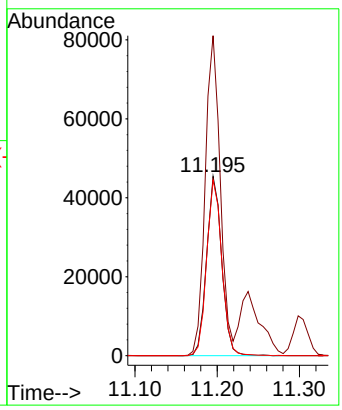




#77
Bromobenzene
Concen: 52.592 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:156 Resp: 5785

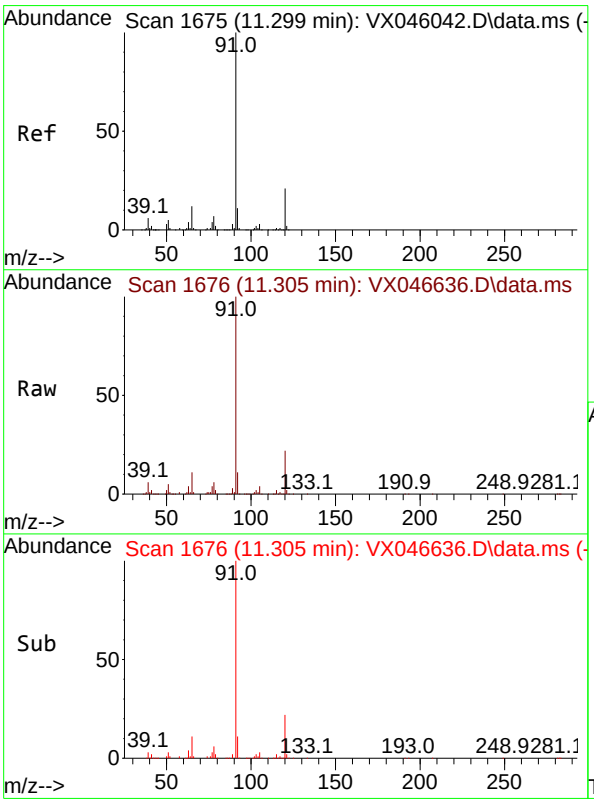
Ion	Ratio	Lower	Upper
156	100		
77	178.3	92.8	278.3
158	98.8	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

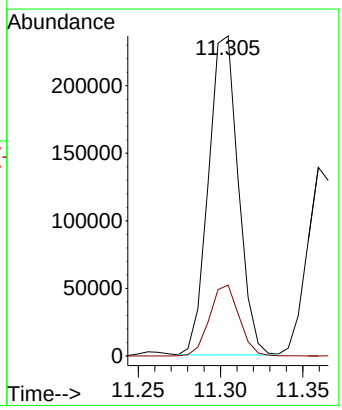
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

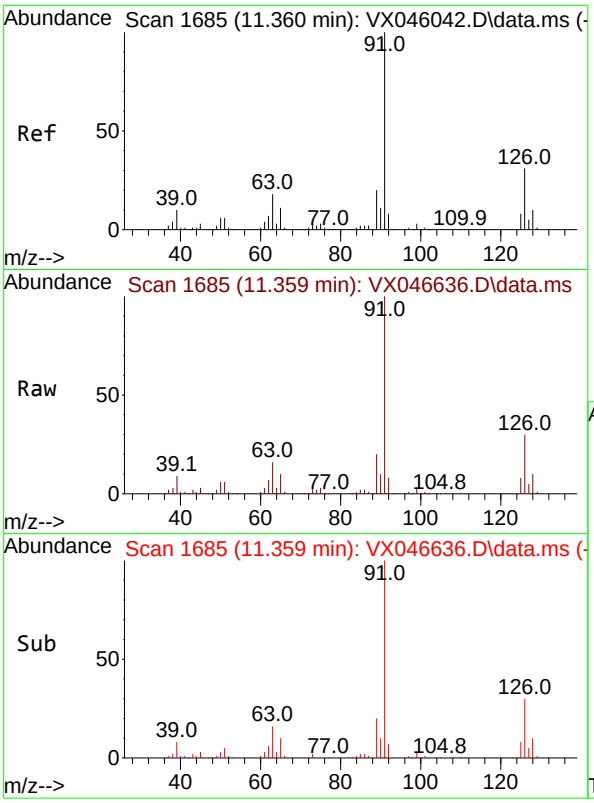


#78
n-propylbenzene
Concen: 51.885 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 91 Resp: 297656

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

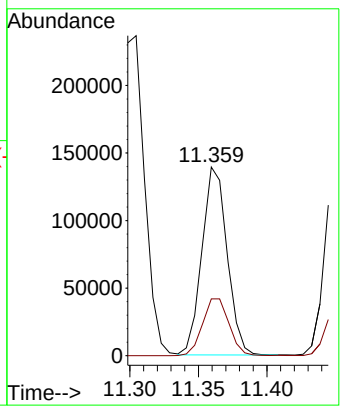




#79
2-Chlorotoluene
Concen: 51.487 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 91 Resp: 17811

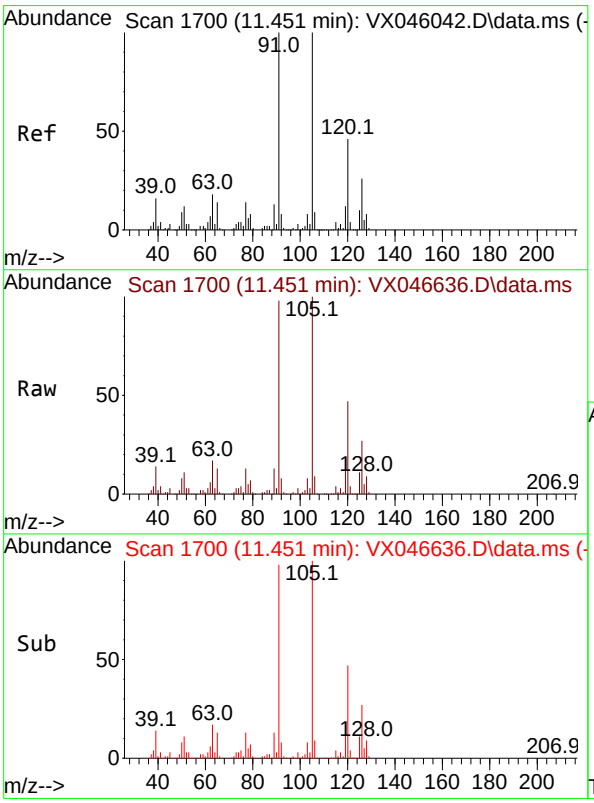
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

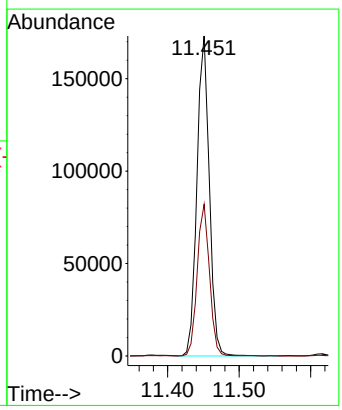
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

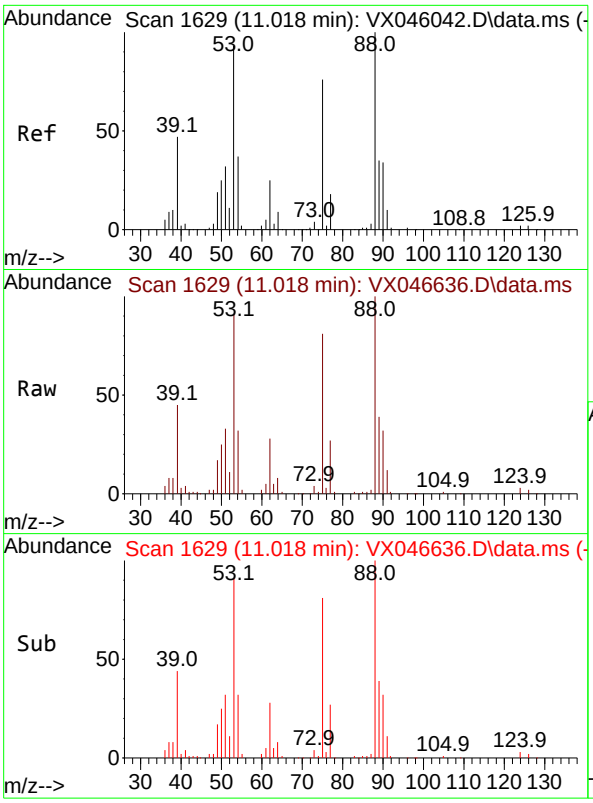


#80
1,3,5-Trimethylbenzene
Concen: 52.565 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:105 Resp: 207616

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.1	69.2

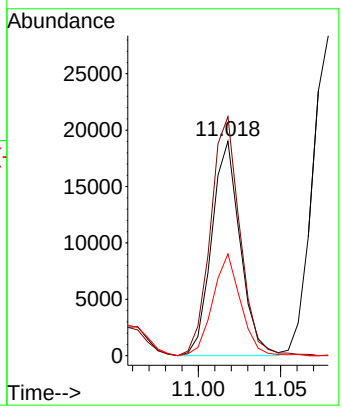




#81
trans-1,4-Dichloro-2-butene
Concen: 51.862 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 2296

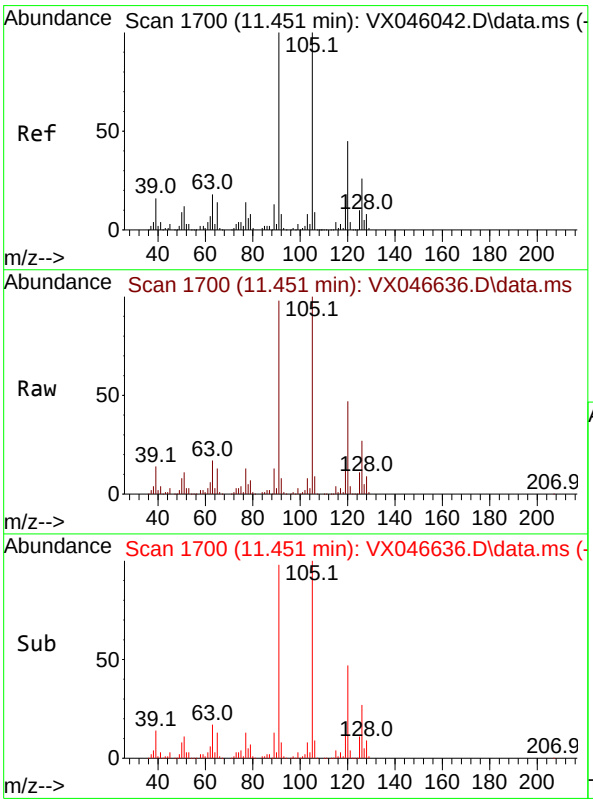
Ion	Ratio	Lower	Upper
75	100		
53	115.0	100.5	150.7
89	46.4	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

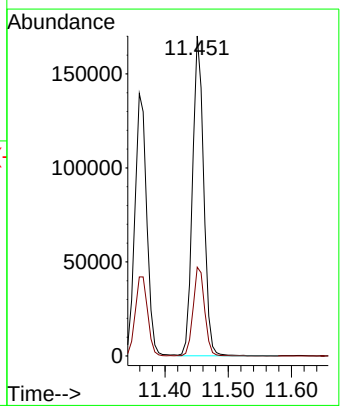
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

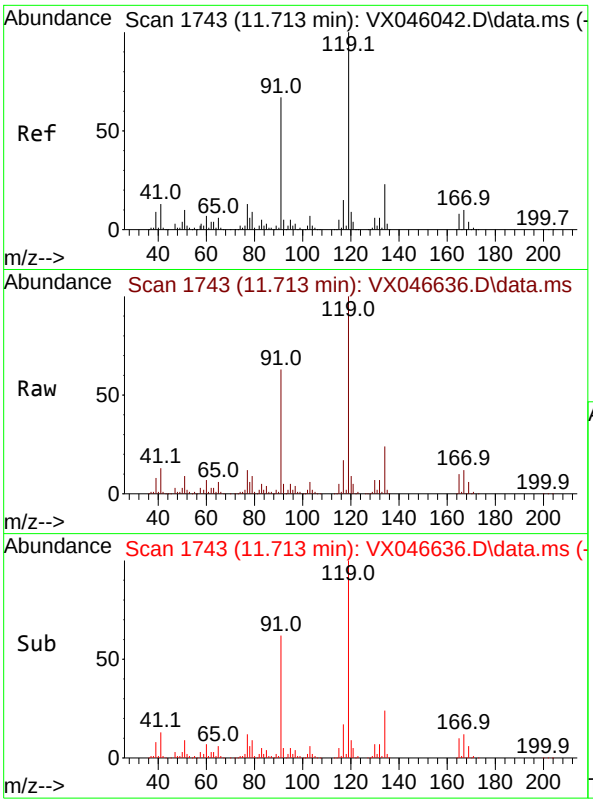


#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 91 Resp: 208757

Ion	Ratio	Lower	Upper
91	100		
126	28.6	13.3	39.8

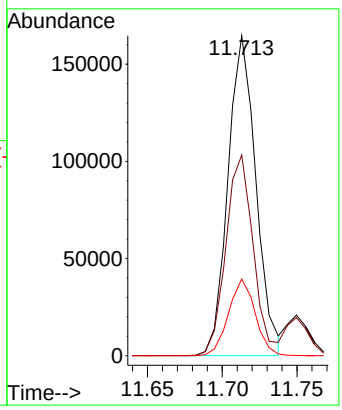




#83
tert-Butylbenzene
Concen: 53.295 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:119 Resp: 21428

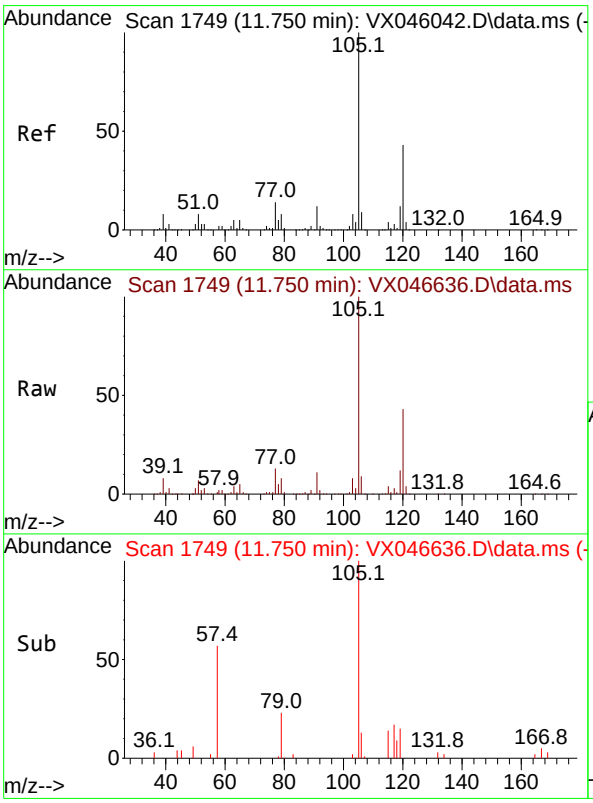
Ion	Ratio	Lower	Upper
119	100		
91	61.6	32.9	98.7
134	22.9	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

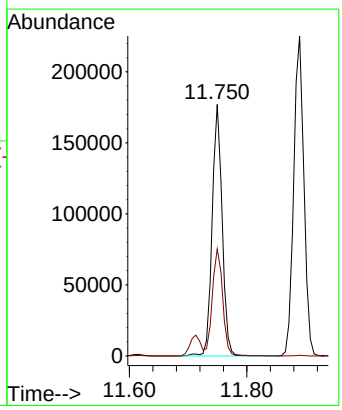
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

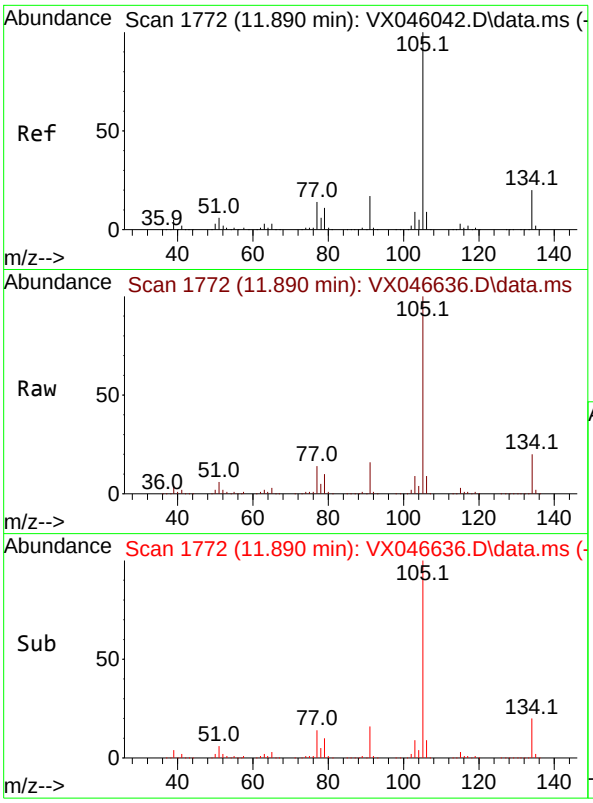


#84
1,2,4-Trimethylbenzene
Concen: 52.454 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:105 Resp: 209586

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.2	63.6

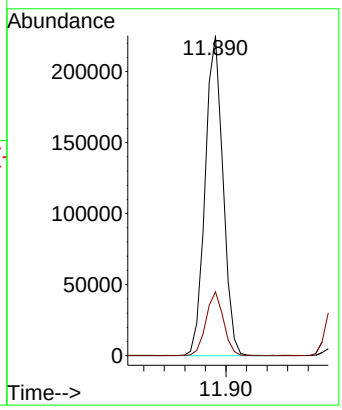




#85
sec-Butylbenzene
Concen: 52.573 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:105 Resp: 27160

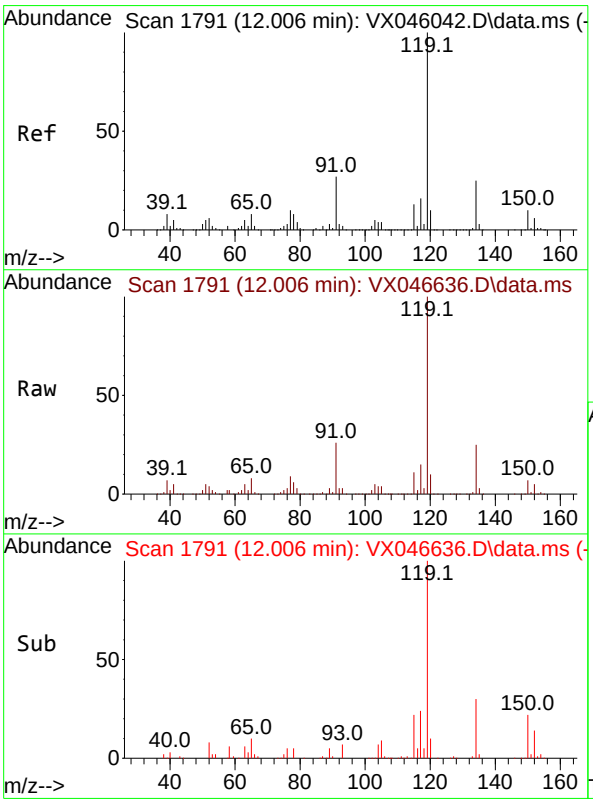
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

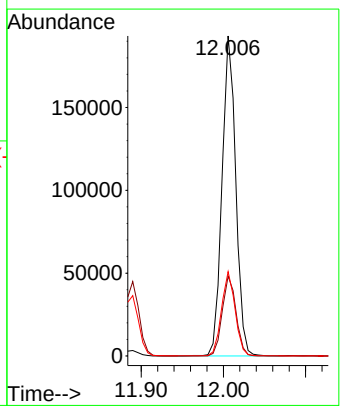
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

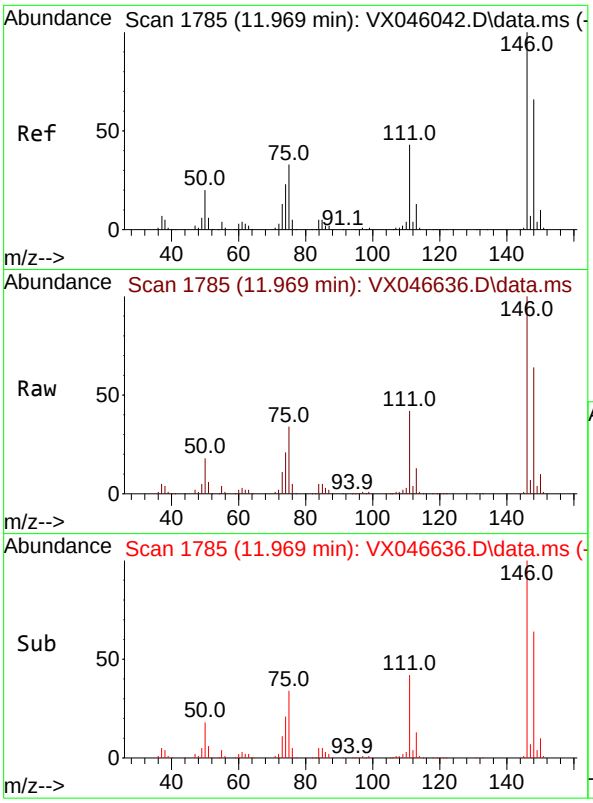


#86
p-Isopropyltoluene
Concen: 52.107 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:119 Resp: 224421

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.2	13.8	41.4

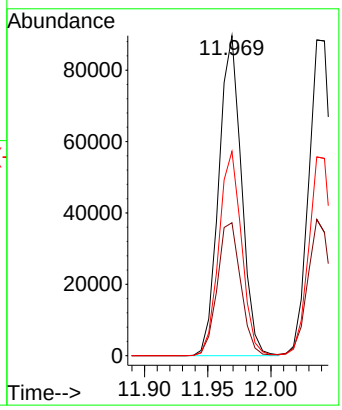




#87
1,3-Dichlorobenzene
Concen: 52.221 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:146 Resp: 11156

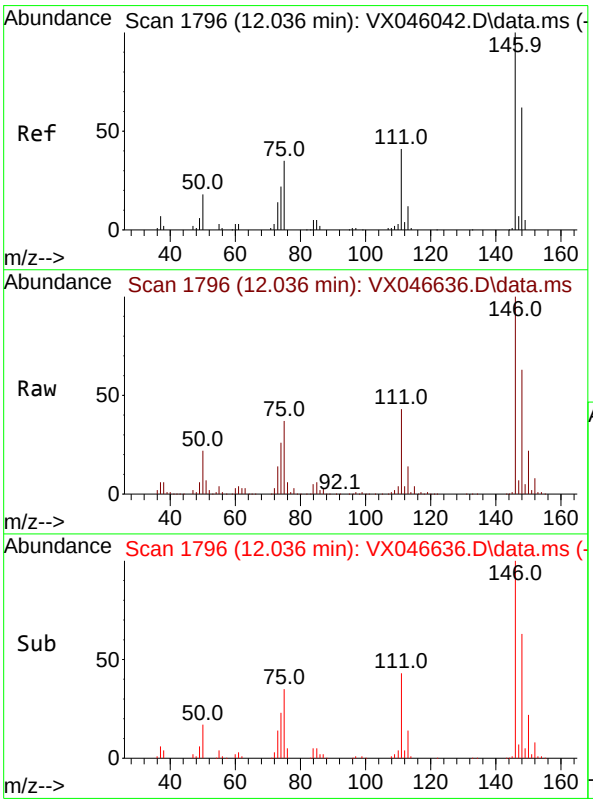
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.1	66.3
148	64.0	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

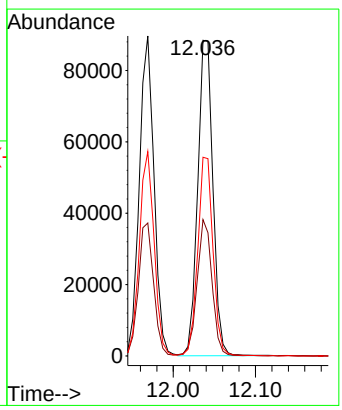
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

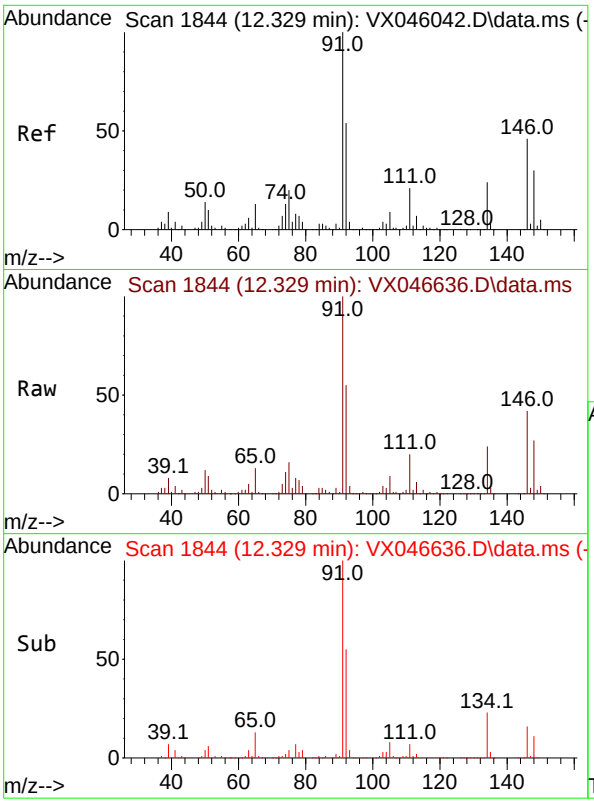


#88
1,4-Dichlorobenzene
Concen: 51.383 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:146 Resp: 113744

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	63.2	31.9	95.5

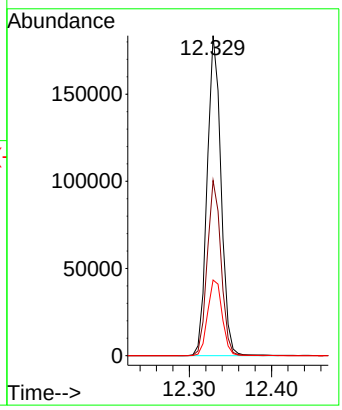




#89
n-Butylbenzene
Concen: 50.742 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 91 Resp: 21461

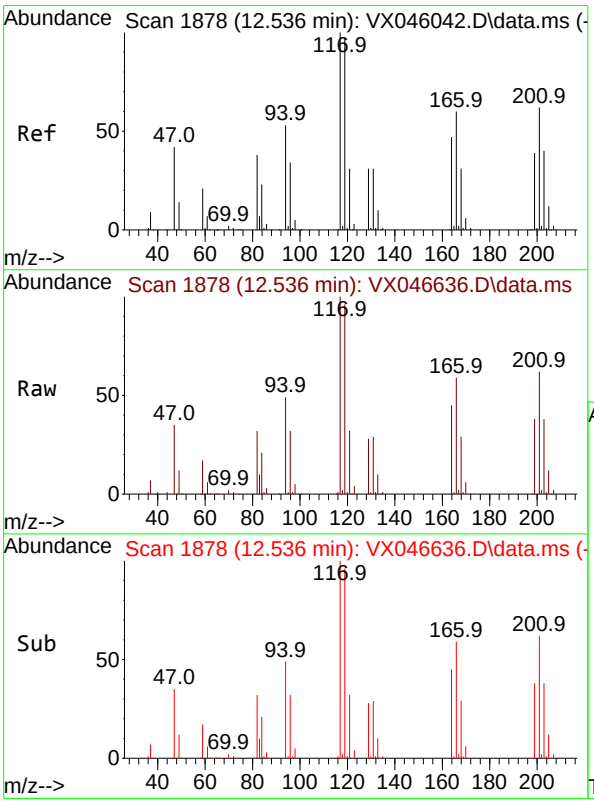
Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.7
134	24.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

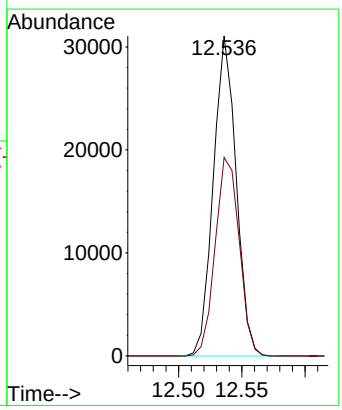
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

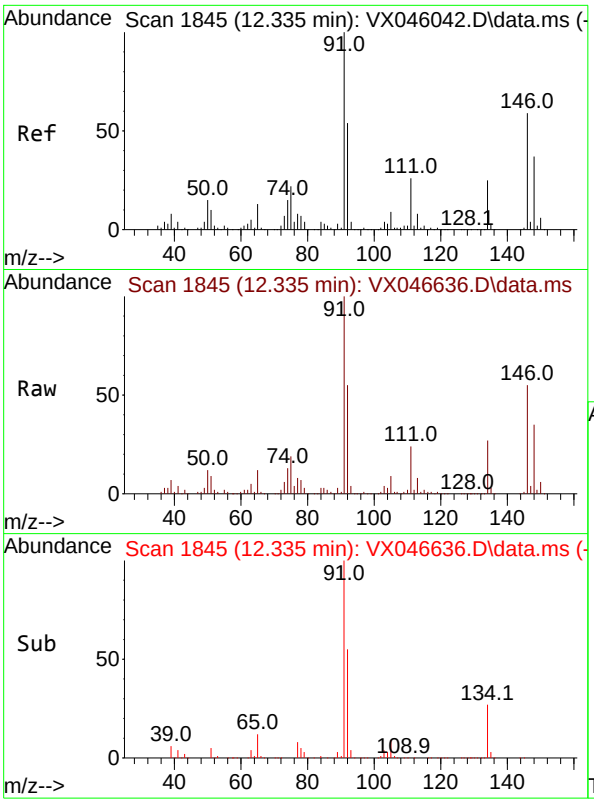


#90
Hexachloroethane
Concen: 50.802 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:117 Resp: 38889

Ion	Ratio	Lower	Upper
117	100		
201	65.4	31.6	94.7

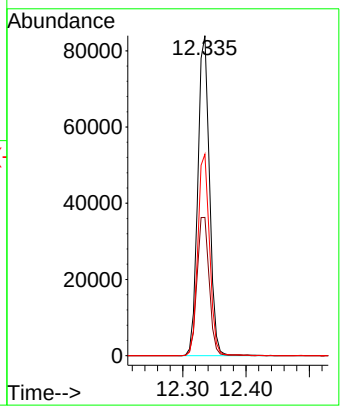




#91
1,2-Dichlorobenzene
Concen: 52.399 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:146 Resp: 10805

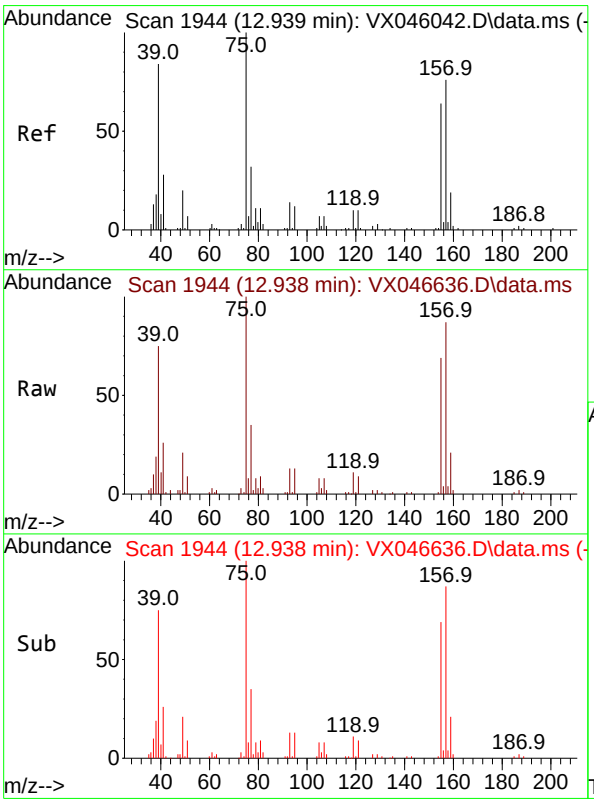
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.3
148	63.5	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

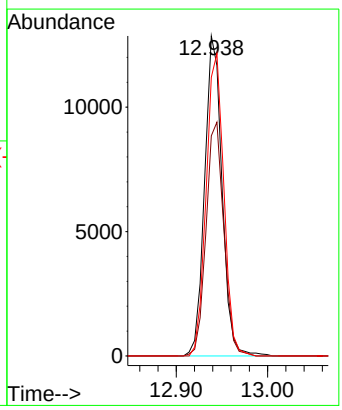
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

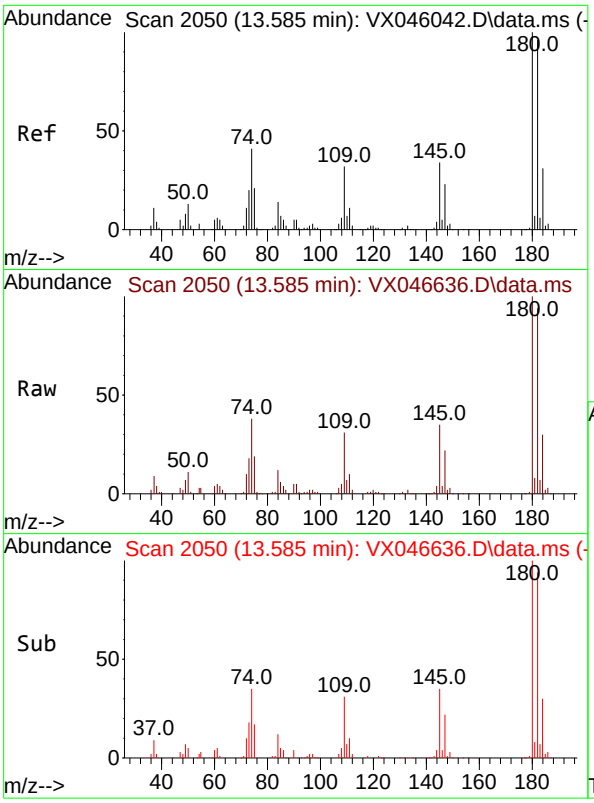


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.901 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion: 75 Resp: 16953

Ion	Ratio	Lower	Upper
75	100		
155	74.4	34.9	104.8
157	95.7	43.8	131.4

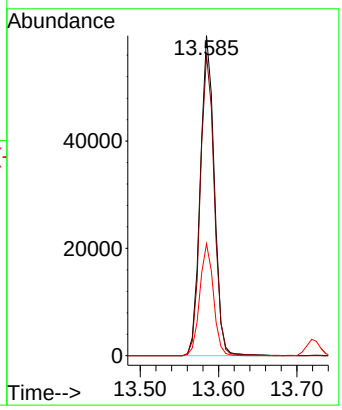




#93
1,2,4-Trichlorobenzene
Concen: 52.453 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:180 Resp: 7378

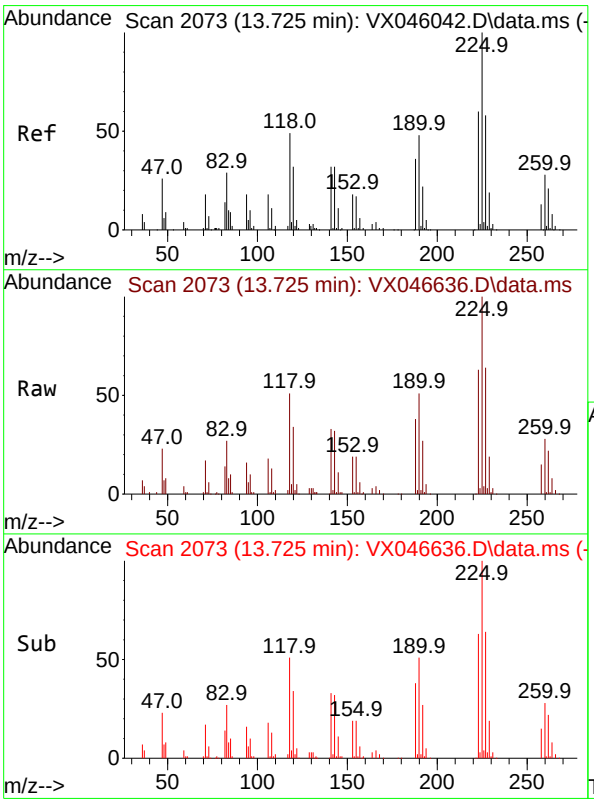
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

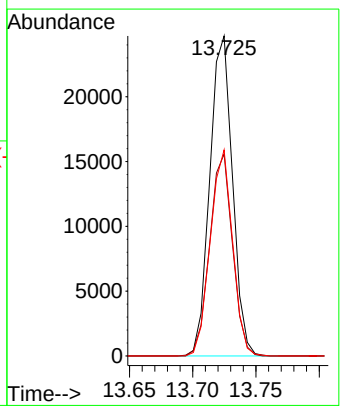
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

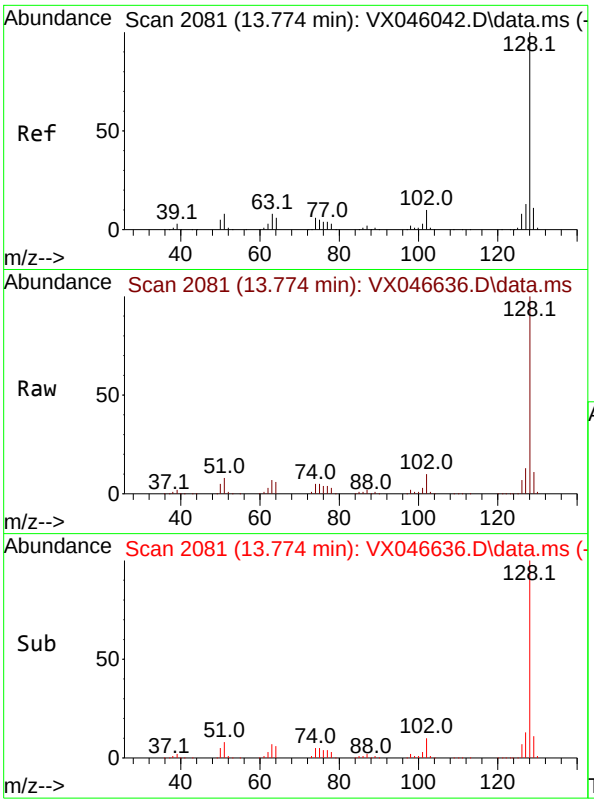


#94
Hexachlorobutadiene
Concen: 47.005 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:225 Resp: 30729

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	63.4	30.9	92.7

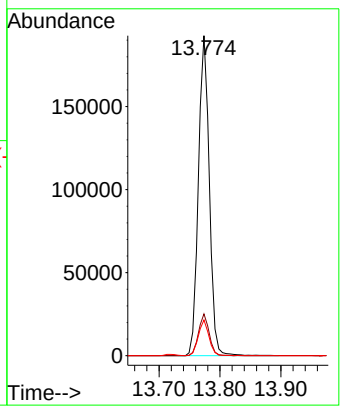




#95
Naphthalene
Concen: 53.781 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:128 Resp: 23991

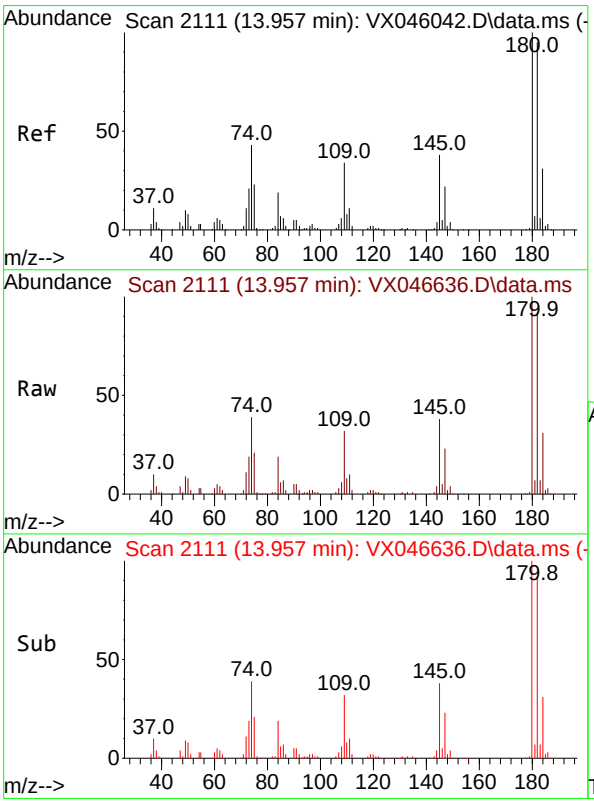
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

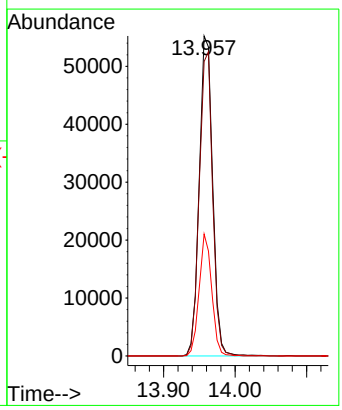
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.057 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.001 min
Lab File: VX046636.D
Acq: 11 Jun 2025 14:46

Tgt Ion:180 Resp: 72019

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	35.7	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	86	0.00
2	T	Dichlorodifluoromethane	0.694	0.640	7.8	85	0.00
3	P	Chloromethane	0.632	0.553	12.5	83	0.00
4	C	Vinyl Chloride	0.630	0.569	9.7#	82	0.00
5	T	Bromomethane	0.382	0.214	44.0#	46#	0.00
6	T	Chloroethane	0.409	0.331	19.1	76	0.00
7	T	Trichlorofluoromethane	1.042	0.890	14.6	75	0.00
8	T	Diethyl Ether	0.368	0.332	9.8	80	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.657	0.667	-1.5	90	0.00
10	T	Methyl Iodide	0.712	0.571	19.8	69	0.00
11	T	Tert butyl alcohol	0.099	0.087	12.1	77	0.00
12	CM	1,1-Dichloroethene	0.594	0.596	-0.3#	90	0.00
13	T	Acrolein	0.103	0.156	-51.5#	120	0.00
14	T	Allyl chloride	1.166	1.177	-0.9	90	0.00
15	T	Acrylonitrile	0.373	0.388	-4.0	88	-0.01
16	T	Acetone	0.381	0.335	12.1	85	0.00
17	T	Carbon Disulfide	1.481	1.215	18.0	86	0.00
18	T	Methyl Acetate	1.060	1.172	-10.6	89	0.00
19	T	Methyl tert-butyl Ether	2.077	2.240	-7.8	91	-0.01
20	T	Methylene Chloride	0.714	0.716	-0.3	93	0.00
21	T	trans-1,2-Dichloroethene	0.628	0.624	0.6	92	0.00
22	T	Diisopropyl ether	2.298	2.474	-7.7	91	-0.01
23	T	Vinyl Acetate	1.775	1.886	-6.3	89	-0.01
24	P	1,1-Dichloroethane	1.281	1.325	-3.4	90	-0.01
25	T	2-Butanone	0.495	0.486	1.8	83	-0.01
26	T	2,2-Dichloropropane	0.951	0.988	-3.9	88	0.00
27	T	cis-1,2-Dichloroethene	0.773	0.799	-3.4	93	-0.01
28	T	Bromochloromethane	0.611	0.569	6.9	83	-0.01
29	T	Tetrahydrofuran	0.313	0.301	3.8	82	0.00
30	C	Chloroform	1.342	1.434	-6.9#	94	-0.01
31	T	Cyclohexane	1.034	1.020	1.4	88	-0.01
32	T	1,1,1-Trichloroethane	1.148	1.186	-3.3	89	0.00
33	S	1,2-Dichloroethane-d4	0.890	0.830	6.7	82	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	-0.01
35	S	Dibromofluoromethane	0.368	0.382	-3.8	89	-0.01
36	T	1,1-Dichloropropene	0.525	0.501	4.6	88	-0.02
37	T	Ethyl Acetate	0.513	0.546	-6.4	84	-0.02
38	T	Carbon Tetrachloride	0.588	0.579	1.5	88	-0.01
39	T	Methylcyclohexane	0.620	0.597	3.7	89	0.00
40	TM	Benzene	1.479	1.534	-3.7	92	-0.01
41	T	Methacrylonitrile	0.318	0.328	-3.1	87	-0.01
42	TM	1,2-Dichloroethane	0.615	0.621	-1.0	87	0.00
43	T	Isopropyl Acetate	0.894	0.924	-3.4	85	-0.01
44	TM	Trichloroethene	0.376	0.379	-0.8	92	0.00
45	C	1,2-Dichloropropane	0.382	0.411	-7.6#	92	-0.01
46	T	Dibromomethane	0.287	0.299	-4.2	91	0.00
47	T	Bromodichloromethane	0.590	0.647	-9.7	92	0.00
48	T	Methyl methacrylate	0.460	0.484	-5.2	86	-0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	0.006	0.006	0.0	77	-0.01
50	S	Toluene-d8	1.212	1.219	-0.6	88	0.00
51	T	4-Methyl-2-Pentanone	0.568	0.600	-5.6	86	0.00
52	CM	Toluene	0.908	0.958	-5.5#	92	0.00
53	T	t-1,3-Dichloropropene	0.529	0.576	-8.9	91	0.00
54	T	cis-1,3-Dichloropropene	0.589	0.630	-7.0	91	0.00
55	T	1,1,2-Trichloroethane	0.365	0.403	-10.4	94	0.00
56	T	Ethyl methacrylate	0.561	0.629	-12.1	92	0.00
57	T	1,3-Dichloropropane	0.644	0.676	-5.0	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.306	0.318	-3.9	86	0.00
59	T	2-Hexanone	0.407	0.422	-3.7	84	0.00
60	T	Dibromochloromethane	0.429	0.472	-10.0	93	0.00
61	T	1,2-Dibromoethane	0.380	0.396	-4.2	91	0.00
62	S	4-Bromofluorobenzene	0.502	0.503	-0.2	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.334	0.330	1.2	93	0.00
65	PM	Chlorobenzene	1.176	1.223	-4.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.397	0.439	-10.6	95	0.00
67	C	Ethyl Benzene	2.053	2.124	-3.5#	92	0.00
68	T	m/p-Xylenes	0.745	0.792	-6.3	94	0.00
69	T	o-Xylene	0.720	0.786	-9.2	96	0.00
70	T	Styrene	1.233	1.358	-10.1	94	0.00
71	P	Bromoform	0.303	0.332	-9.6	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.930	4.163	-5.9	93	0.00
74	T	N-amyl acetate	1.731	1.836	-6.1	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.258	1.318	-4.8	92	0.00
76	T	1,2,3-Trichloropropane	1.059	1.091	-3.0	91	0.00
77	T	Bromobenzene	0.912	0.960	-5.3	95	0.00
78	T	n-propylbenzene	4.757	4.937	-3.8	92	0.00
79	T	2-Chlorotoluene	2.869	2.954	-3.0	93	0.00
80	T	1,3,5-Trimethylbenzene	3.275	3.443	-5.1	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.367	0.381	-3.8	90	0.00
82	T	4-Chlorotoluene	3.400	3.462	-1.8	92	0.00
83	T	tert-Butylbenzene	3.334	3.554	-6.6	95	0.00
84	T	1,2,4-Trimethylbenzene	3.313	3.476	-4.9	94	0.00
85	T	sec-Butylbenzene	4.284	4.505	-5.2	95	0.00
86	T	p-Isopropyltoluene	3.572	3.722	-4.2	94	0.00
87	T	1,3-Dichlorobenzene	1.772	1.850	-4.4	96	0.00
88	T	1,4-Dichlorobenzene	1.836	1.886	-2.7	99	0.00
89	T	n-Butylbenzene	3.507	3.559	-1.5	93	0.00
90	T	Hexachloroethane	0.635	0.645	-1.6	93	0.00
91	T	1,2-Dichlorobenzene	1.710	1.792	-4.8	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.282	0.281	0.4	86	0.00
93	T	1,2,4-Trichlorobenzene	1.167	1.224	-4.9	100	0.00
94	T	Hexachlorobutadiene	0.542	0.510	5.9	89	0.00
95	T	Naphthalene	3.699	3.979	-7.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.170	1.194	-2.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	86	0.00
2	T	Dichlorodifluoromethane	50.000	46.135	7.7	85	0.00
3	P	Chloromethane	50.000	43.769	12.5	83	0.00
4	C	Vinyl Chloride	50.000	45.171	9.7#	82	0.00
5	T	Bromomethane	50.000	27.971	44.1#	46	0.00
6	T	Chloroethane	50.000	40.448	19.1	76	0.00
7	T	Trichlorofluoromethane	50.000	42.711	14.6	75	0.00
8	T	Diethyl Ether	50.000	45.060	9.9	80	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.803	-1.6	90	0.00
10	T	Methyl Iodide	50.000	40.090	19.8	69	0.00
11	T	Tert butyl alcohol	250.000	220.908	11.6	77	0.00
12	CM	1,1-Dichloroethene	50.000	50.196	-0.4#	90	0.00
13	T	Acrolein	250.000	318.023	-27.2#	120	0.00
14	T	Allyl chloride	50.000	50.488	-1.0	90	0.00
15	T	Acrylonitrile	250.000	260.120	-4.0	88	-0.01
16	T	Acetone	250.000	239.623	4.2	85	0.00
17	T	Carbon Disulfide	50.000	48.207	3.6	86	0.00
18	T	Methyl Acetate	50.000	55.283	-10.6	89	0.00
19	T	Methyl tert-butyl Ether	50.000	53.911	-7.8	91	-0.01
20	T	Methylene Chloride	50.000	50.139	-0.3	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.675	0.7	92	0.00
22	T	Diisopropyl ether	50.000	53.823	-7.6	91	-0.01
23	T	Vinyl Acetate	250.000	265.747	-6.3	89	-0.01
24	P	1,1-Dichloroethane	50.000	51.716	-3.4	90	-0.01
25	T	2-Butanone	250.000	245.374	1.9	83	-0.01
26	T	2,2-Dichloropropane	50.000	51.935	-3.9	88	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.635	-3.3	93	-0.01
28	T	Bromochloromethane	50.000	46.537	6.9	83	-0.01
29	T	Tetrahydrofuran	250.000	240.984	3.6	82	0.00
30	C	Chloroform	50.000	53.424	-6.8#	94	-0.01
31	T	Cyclohexane	50.000	49.332	1.3	88	-0.01
32	T	1,1,1-Trichloroethane	50.000	51.668	-3.3	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.653	6.7	82	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	-0.01
35	S	Dibromofluoromethane	50.000	51.915	-3.8	89	-0.01
36	T	1,1-Dichloropropene	50.000	47.660	4.7	88	-0.02
37	T	Ethyl Acetate	50.000	53.299	-6.6	84	-0.02
38	T	Carbon Tetrachloride	50.000	49.184	1.6	88	-0.01
39	T	Methylcyclohexane	50.000	48.113	3.8	89	0.00
40	TM	Benzene	50.000	51.876	-3.8	92	-0.01
41	T	Methacrylonitrile	50.000	51.538	-3.1	87	-0.01
42	TM	1,2-Dichloroethane	50.000	50.505	-1.0	87	0.00
43	T	Isopropyl Acetate	50.000	51.690	-3.4	85	-0.01
44	TM	Trichloroethene	50.000	50.496	-1.0	92	0.00
45	C	1,2-Dichloropropane	50.000	53.877	-7.8#	92	-0.01
46	T	Dibromomethane	50.000	52.002	-4.0	91	0.00
47	T	Bromodichloromethane	50.000	54.764	-9.5	92	0.00
48	T	Methyl methacrylate	50.000	52.623	-5.2	86	-0.01

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	936.440	6.4	77	-0.01
50	S	Toluene-d8	50.000	50.297	-0.6	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.985	-5.6	86	0.00
52	CM	Toluene	50.000	52.732	-5.5#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	54.455	-8.9	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.504	-7.0	91	0.00
55	T	1,1,2-Trichloroethane	50.000	55.318	-10.6	94	0.00
56	T	Ethyl methacrylate	50.000	56.009	-12.0	92	0.00
57	T	1,3-Dichloropropane	50.000	52.422	-4.8	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.437	-4.2	86	0.00
59	T	2-Hexanone	250.000	259.182	-3.7	84	0.00
60	T	Dibromochloromethane	50.000	55.050	-10.1	93	0.00
61	T	1,2-Dibromoethane	50.000	52.090	-4.2	91	0.00
62	S	4-Bromofluorobenzene	50.000	50.160	-0.3	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	49.417	1.2	93	0.00
65	PM	Chlorobenzene	50.000	51.980	-4.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.199	-10.4	95	0.00
67	C	Ethyl Benzene	50.000	51.724	-3.4#	92	0.00
68	T	m/p-Xylenes	100.000	106.345	-6.3	94	0.00
69	T	o-Xylene	50.000	54.541	-9.1	96	0.00
70	T	Styrene	50.000	55.064	-10.1	94	0.00
71	P	Bromoform	50.000	54.781	-9.6	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	52.958	-5.9	93	0.00
74	T	N-amyl acetate	50.000	53.026	-6.1	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.379	-4.8	92	0.00
76	T	1,2,3-Trichloropropane	50.000	51.509	-3.0	91	0.00
77	T	Bromobenzene	50.000	52.592	-5.2	95	0.00
78	T	n-propylbenzene	50.000	51.885	-3.8	92	0.00
79	T	2-Chlorotoluene	50.000	51.487	-3.0	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.565	-5.1	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.862	-3.7	90	0.00
82	T	4-Chlorotoluene	50.000	50.910	-1.8	92	0.00
83	T	tert-Butylbenzene	50.000	53.295	-6.6	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.454	-4.9	94	0.00
85	T	sec-Butylbenzene	50.000	52.573	-5.1	95	0.00
86	T	p-Isopropyltoluene	50.000	52.107	-4.2	94	0.00
87	T	1,3-Dichlorobenzene	50.000	52.221	-4.4	96	0.00
88	T	1,4-Dichlorobenzene	50.000	51.383	-2.8	99	0.00
89	T	n-Butylbenzene	50.000	50.742	-1.5	93	0.00
90	T	Hexachloroethane	50.000	50.802	-1.6	93	0.00
91	T	1,2-Dichlorobenzene	50.000	52.399	-4.8	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.901	0.2	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.453	-4.9	100	0.00
94	T	Hexachlorobutadiene	50.000	47.005	6.0	89	0.00
95	T	Naphthalene	50.000	53.781	-7.6	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046636.D
Acq On : 11 Jun 2025 14:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 02:28:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	51.057	-2.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2249 SAS No.: Q2249 SDG No.: Q2249

Instrument ID: MSVOA_X Calibration Date/Time: 06/12/2025 10:11

Lab File ID: VX046657.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.630	0.498		-20.95	20
1,1-Dichloroethene	0.594	0.579		-2.53	20
1,1-Dichloroethane	1.281	1.183	0.1	-7.65	20
cis-1,2-Dichloroethene	0.773	0.764		-1.16	20
1,1,1-Trichloroethane	1.148	1.075		-6.36	20
Benzene	1.479	1.498		1.28	20
1,2-Dichloroethane	0.615	0.566		-7.97	20
Trichloroethene	0.376	0.394		4.79	20
1,1,2-Trichloroethane	0.365	0.423		15.89	20
Tetrachloroethene	0.334	0.342		2.39	20
1,2-Dichloroethane-d4	0.890	0.711		-20.11	20
Dibromofluoromethane	0.368	0.434		17.93	20
Toluene-d8	1.212	1.368		12.87	20
4-Bromofluorobenzene	0.502	0.561		11.75	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\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	82603	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	125406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58736	39.968	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 79.940%			
35) Dibromofluoromethane	5.391	113	54484	59.078	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.160%			
50) Toluene-d8	8.647	98	171603	56.439	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.880%			
62) 4-Bromofluorobenzene	11.079	95	70345	55.919	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	47986	41.844	ug/l	98
3) Chloromethane	1.307	50	40603	38.898	ug/l	98
4) Vinyl Chloride	1.386	62	41173	39.569	ug/l	97
5) Bromomethane	1.617	94	23131	36.617	ug/l	99
6) Chloroethane	1.697	64	23838	35.309	ug/l	94
7) Trichlorofluoromethane	1.904	101	74178	43.086	ug/l	98
8) Diethyl Ether	2.142	74	26788	44.038	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.343	101	52208	48.132	ug/l	92
10) Methyl Iodide	2.465	142	49604	42.187	ug/l	98
11) Tert butyl alcohol	2.965	59	31227	191.495	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47795	48.736	ug/l	84
13) Acrolein	2.245	56	62360	308.244	ug/l	100
14) Allyl chloride	2.678	41	85070	44.168	ug/l	93
15) Acrylonitrile	3.068	53	138381	224.440	ug/l	99
16) Acetone	2.386	43	123430	214.546	ug/l	92
17) Carbon Disulfide	2.526	76	92448	44.419	ug/l	98
18) Methyl Acetate	2.715	43	80898	46.215	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	167393	48.780	ug/l	98
20) Methylene Chloride	2.800	84	55016	46.663	ug/l	93
21) trans-1,2-Dichloroethene	3.105	96	47376	45.648	ug/l	93
22) Diisopropyl ether	3.770	45	179769	47.342	ug/l #	81
23) Vinyl Acetate	3.733	43	676467	230.742	ug/l	97
24) 1,1-Dichloroethane	3.623	63	97719	46.174	ug/l	98
25) 2-Butanone	4.562	43	162555	198.700	ug/l	96
26) 2,2-Dichloropropane	4.489	77	77371	49.247	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	63074	49.368	ug/l	89
28) Bromochloromethane	4.903	49	43653	43.246	ug/l	89
29) Tetrahydrofuran	5.007	42	104633	202.521	ug/l	96
30) Chloroform	5.105	83	104851	47.284	ug/l	98
31) Cyclohexane	5.483	56	74094	43.368	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	88809	46.820	ug/l	97
36) 1,1-Dichloropropene	5.696	75	63502	48.205	ug/l	96
37) Ethyl Acetate	4.721	43	64655	50.287	ug/l	99
38) Carbon Tetrachloride	5.684	117	76036	51.532	ug/l	99
39) Methylcyclohexane	7.385	83	74314	47.793	ug/l	95
40) Benzene	6.043	78	187904	50.668	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	38623	48.375	ug/l		91
42) 1,2-Dichloroethane	6.092	62	70921	45.968	ug/l		95
43) Isopropyl Acetate	6.342	43	103479	46.166	ug/l		96
44) Trichloroethene	7.129	130	49377	52.401	ug/l		99
45) 1,2-Dichloropropane	7.434	63	49574	51.789	ug/l		98
46) Dibromomethane	7.580	93	31955	44.374	ug/l		89
47) Bromodichloromethane	7.824	83	69476	46.922	ug/l		99
48) Methyl methacrylate	7.696	41	46050	39.931	ug/l		92
49) 1,4-Dioxane	7.659	88	12858	833.741	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	335937	235.853	ug/l		96
52) Toluene	8.720	92	126444	55.498	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	74282	55.952	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	77787	52.698	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	53066	58.018	ug/l		97
56) Ethyl methacrylate	9.116	69	78215	55.570	ug/l		90
57) 1,3-Dichloropropane	9.305	76	86547	53.544	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	182816	238.457	ug/l		94
59) 2-Hexanone	9.427	43	240805	235.732	ug/l		95
60) Dibromochloromethane	9.518	129	62722	58.299	ug/l		100
61) 1,2-Dibromoethane	9.610	107	52060	54.621	ug/l		97
64) Tetrachloroethene	9.275	164	40422	51.184	ug/l		97
65) Chlorobenzene	10.079	112	144347	51.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52019	55.422	ug/l		98
67) Ethyl Benzene	10.195	91	246134	50.760	ug/l		97
68) m/p-Xylenes	10.299	106	184992	105.170	ug/l		95
69) o-Xylene	10.640	106	90327	53.091	ug/l		96
70) Styrene	10.652	104	160199	55.006	ug/l		96
71) Bromoform	10.799	173	40874	57.113	ug/l	#	98
73) Isopropylbenzene	10.957	105	246450	51.704	ug/l		99
74) N-amyl acetate	10.841	43	96513	45.978	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.207	83	74710	48.967	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	61557m	47.929	ug/l		
77) Bromobenzene	11.195	156	59447	53.732	ug/l		90
78) n-propylbenzene	11.299	91	286022	49.576	ug/l		97
79) 2-Chlorotoluene	11.360	91	169410	48.694	ug/l		95
80) 1,3,5-Trimethylbenzene	11.451	105	200783	50.550	ug/l		95
81) trans-1,4-Dichloro-2-b...	11.018	75	22982	51.617	ug/l		86
82) 4-Chlorotoluene	11.451	91	200979	48.737	ug/l		95
83) tert-Butylbenzene	11.713	119	212278	52.499	ug/l		93
84) 1,2,4-Trimethylbenzene	11.750	105	202682	50.441	ug/l		96
85) sec-Butylbenzene	11.890	105	266244	51.245	ug/l		99
86) p-Isopropyltoluene	12.006	119	222767	51.432	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	111567	51.930	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	111874	50.254	ug/l		99
89) n-Butylbenzene	12.329	91	208960	49.127	ug/l		98
90) Hexachloroethane	12.536	117	39050	50.726	ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	108933	52.528	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15368	44.981	ug/l		84
93) 1,2,4-Trichlorobenzene	13.585	180	74128	52.400	ug/l		99
94) Hexachlorobutadiene	13.725	225	31934	48.574	ug/l		97
95) Naphthalene	13.774	128	232051	51.726	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	73372	51.724	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

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

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

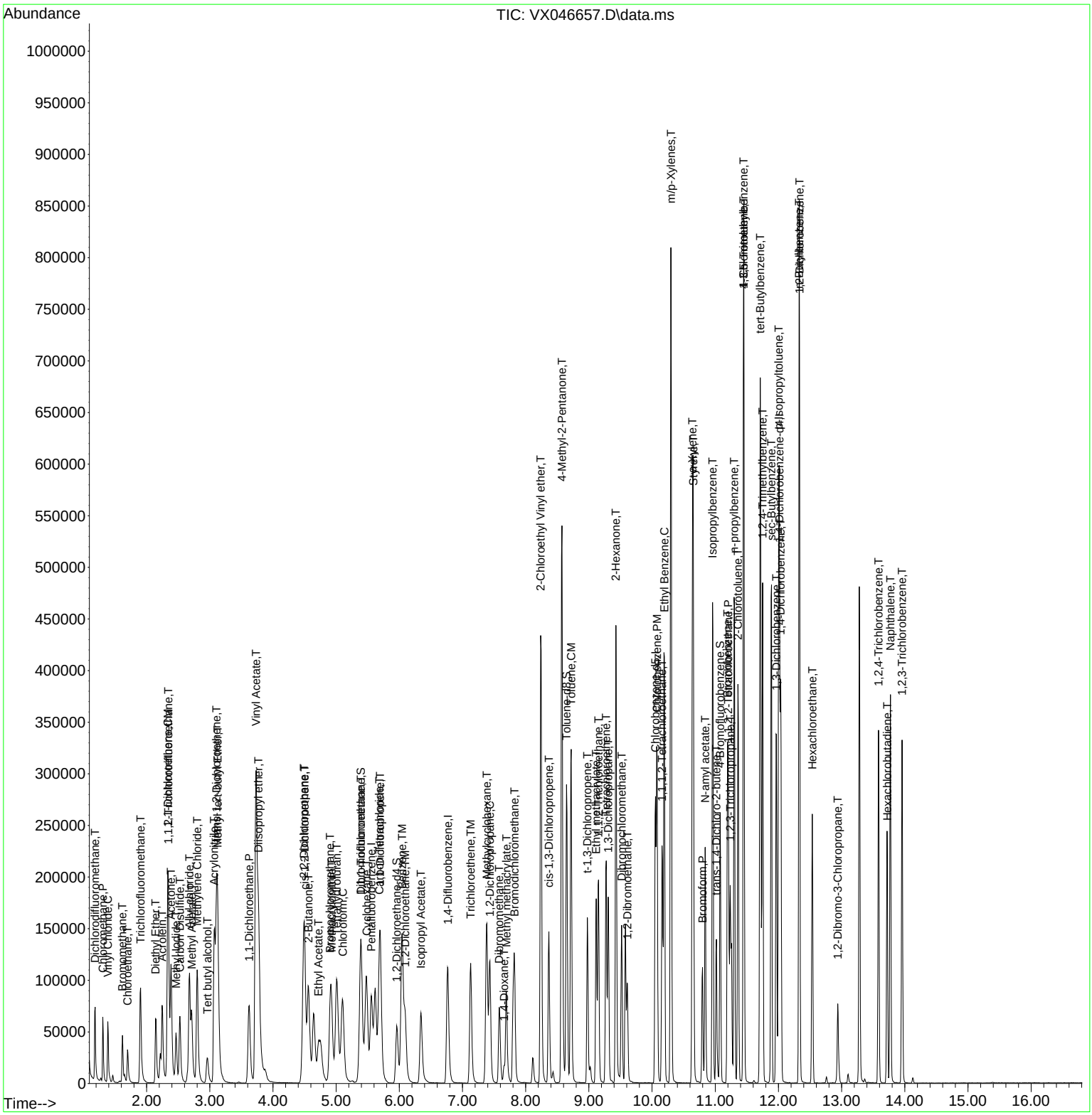
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

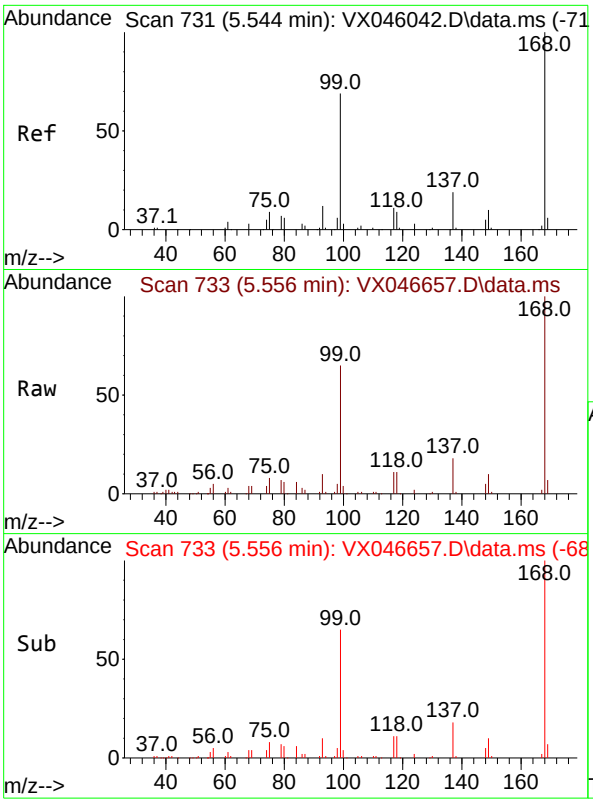
Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

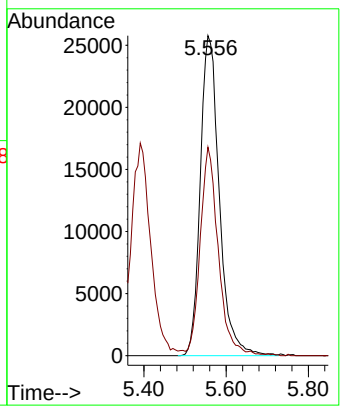




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:168 Resp: 8260

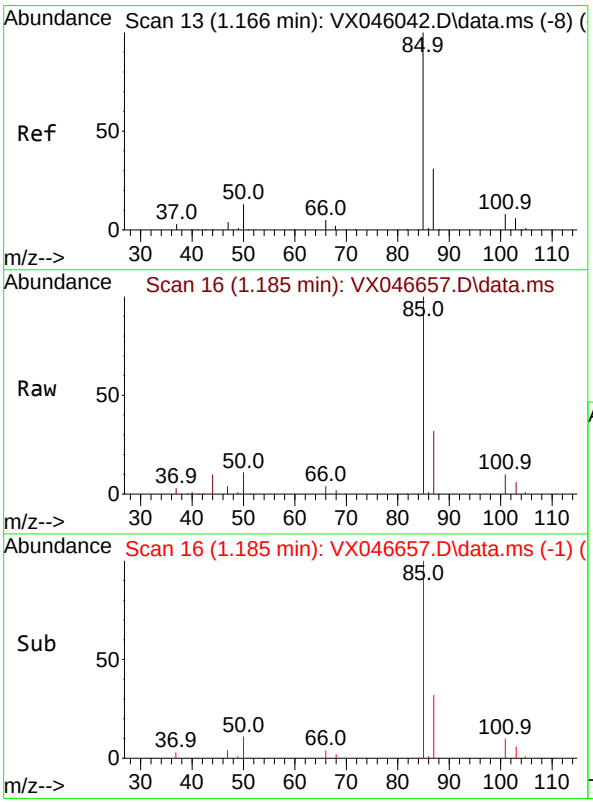
Ion	Ratio	Lower	Upper
168	100		
99	64.9	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

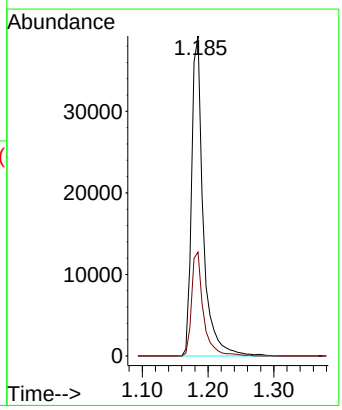
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

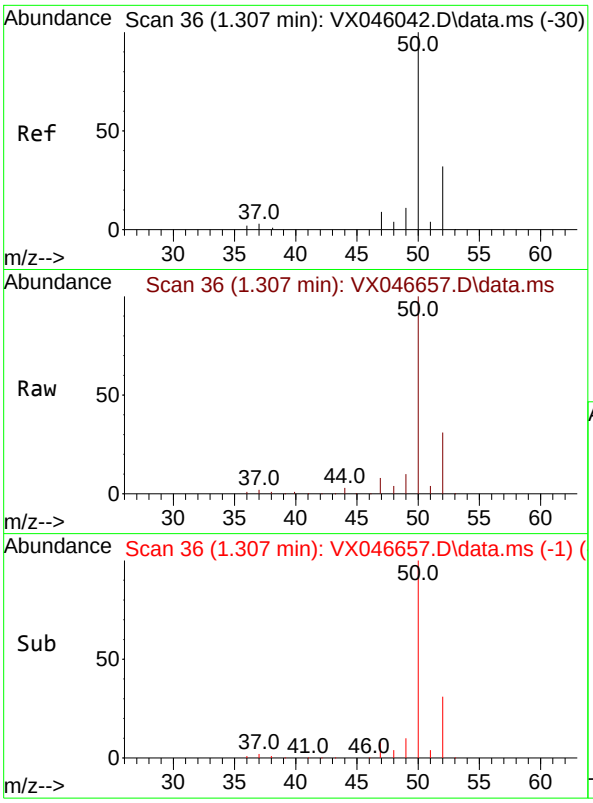


#2
Dichlorodifluoromethane
Concen: 41.844 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 85 Resp: 47986

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

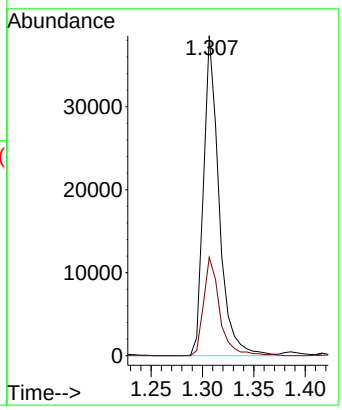




#3
Chloromethane
Concen: 38.898 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 50 Resp: 4060

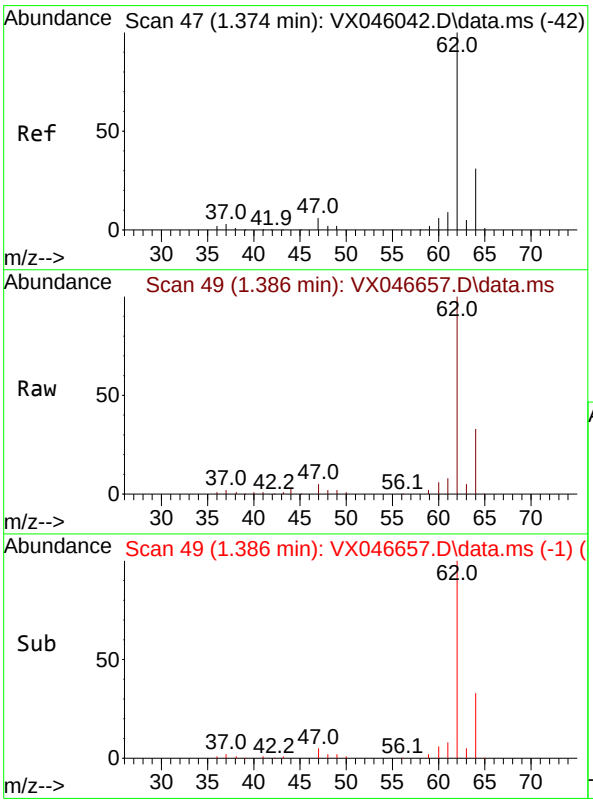
Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

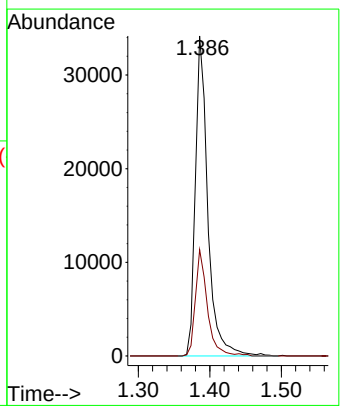
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

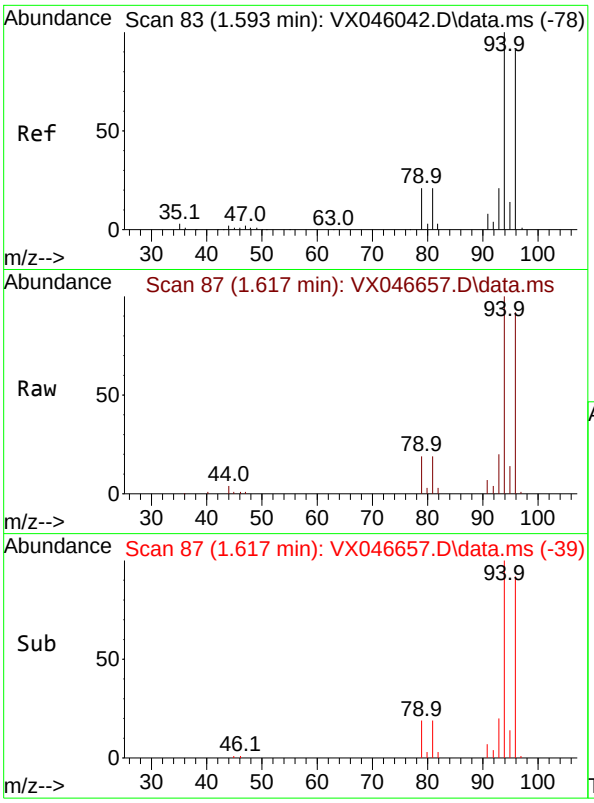


#4
Vinyl Chloride
Concen: 39.569 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 62 Resp: 41173

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.2	37.8

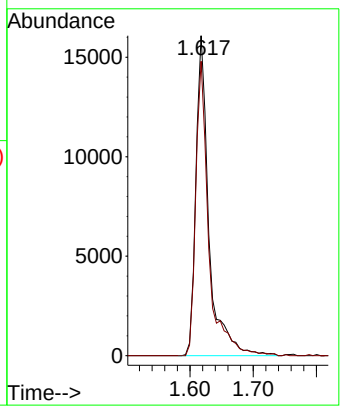




#5
Bromomethane
Concen: 36.617 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.007 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 94 Resp: 2313

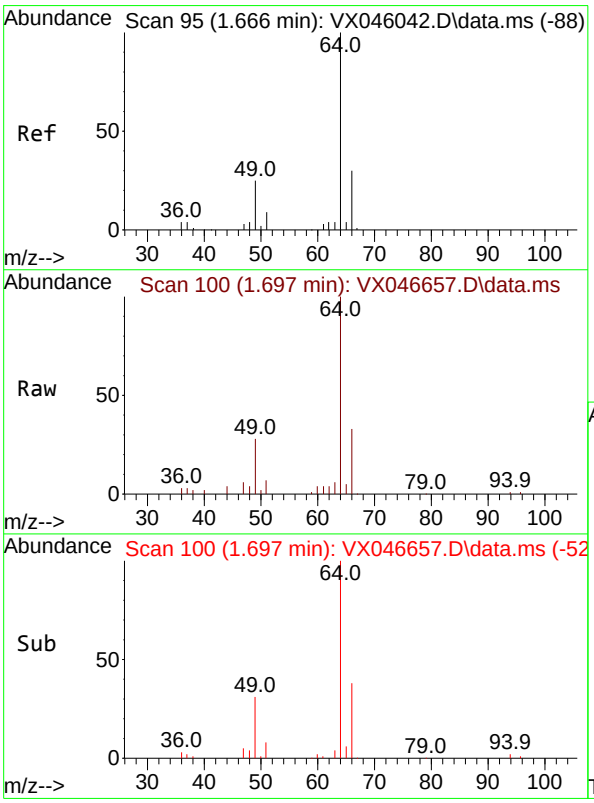
Ion	Ratio	Lower	Upper
94	100		
96	92.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

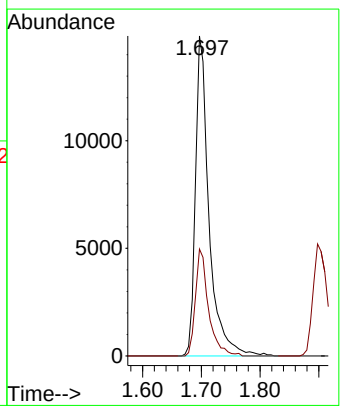
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

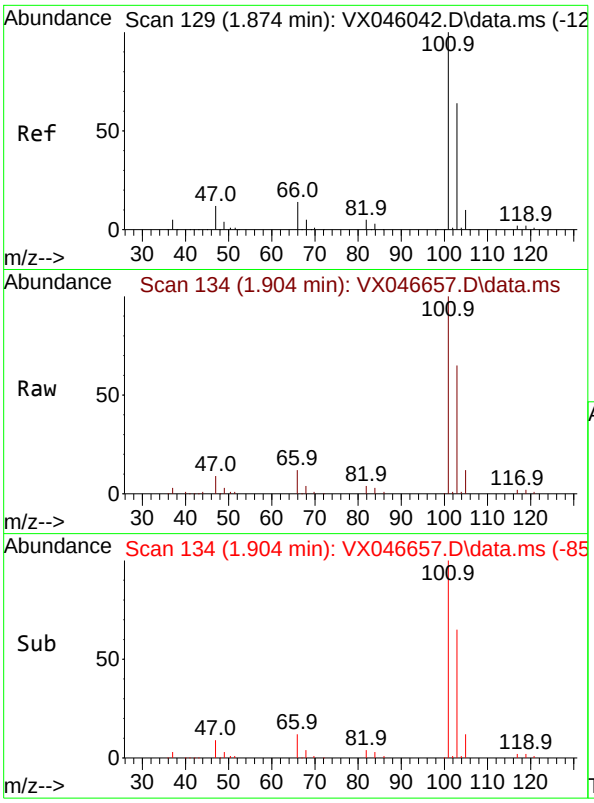


#6
Chloroethane
Concen: 35.309 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 64 Resp: 23838

Ion	Ratio	Lower	Upper
64	100		
66	33.4	24.3	36.5

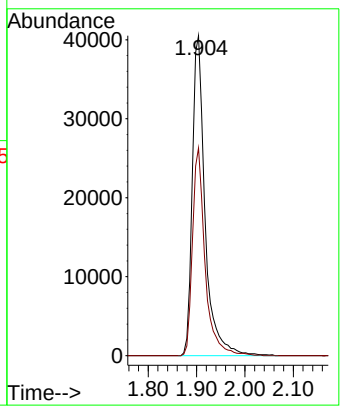




#7
Trichlorofluoromethane
Concen: 43.086 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:101 Resp: 7417

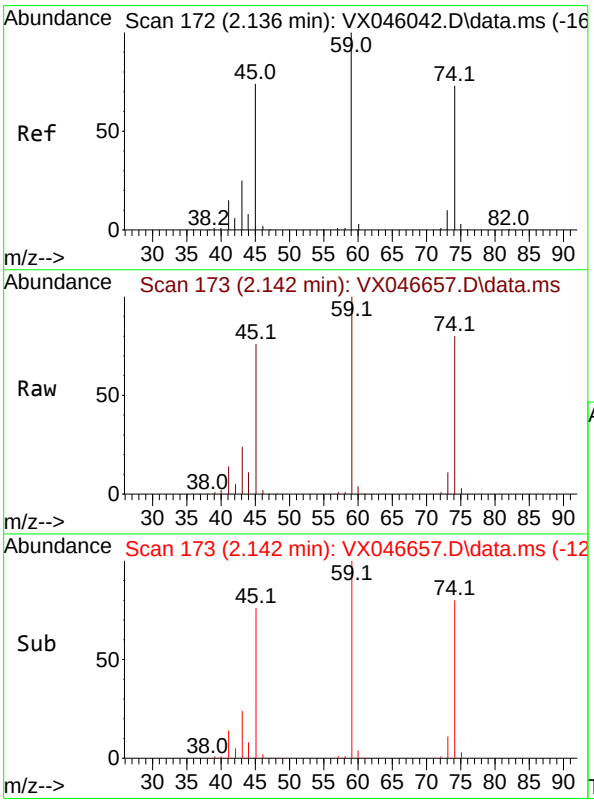
Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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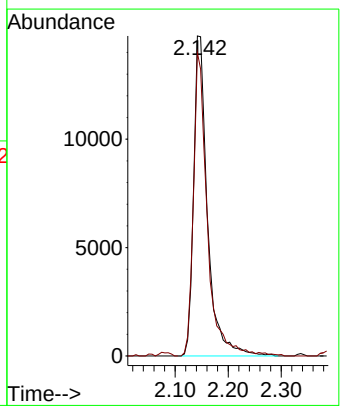
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

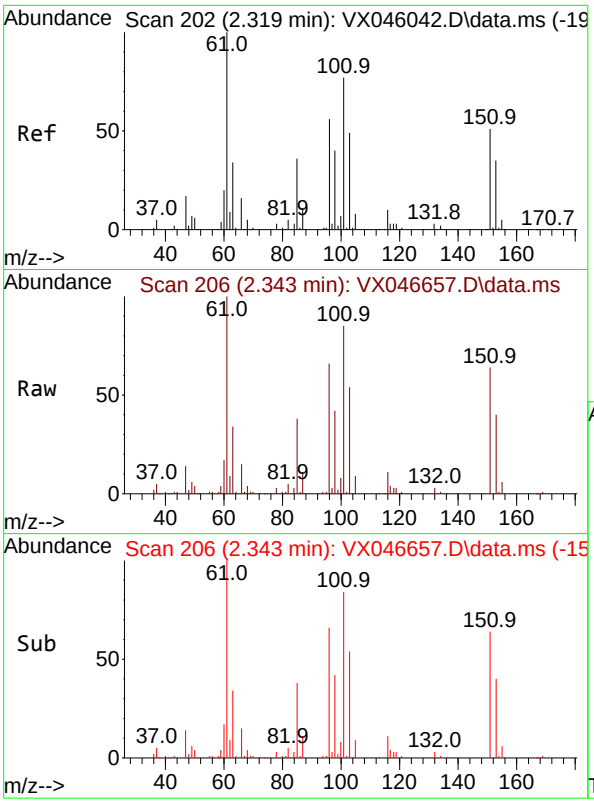


#8
Diethyl Ether
Concen: 44.038 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 74 Resp: 26788

Ion	Ratio	Lower	Upper
74	100		
45	94.3	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.132 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

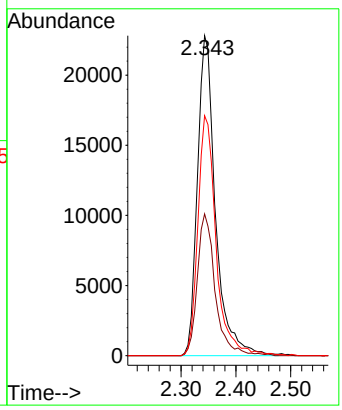
Tgt Ion:101 Resp: 5220

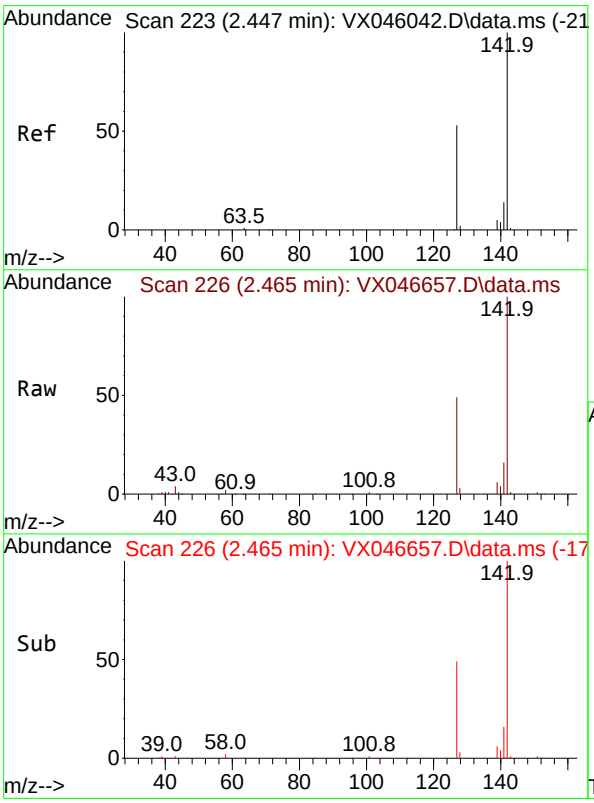
Ion	Ratio	Lower	Upper
101	100		
85	44.0	38.6	58.0
151	76.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

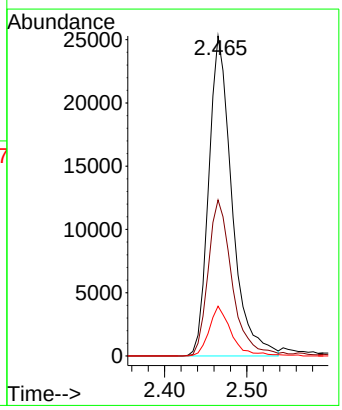


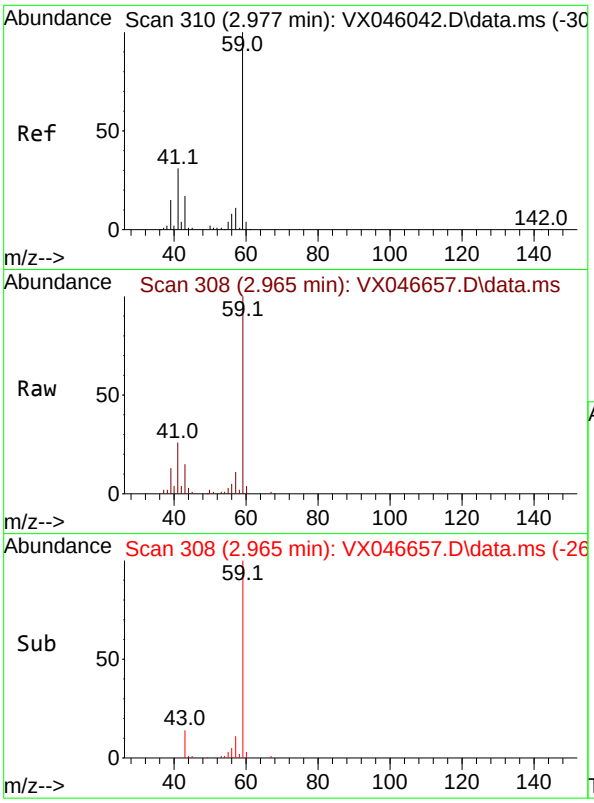


#10
Methyl Iodide
Concen: 42.187 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:142 Resp: 49604

Ion	Ratio	Lower	Upper
142	100		
127	50.5	41.7	62.5
141	14.9	11.5	17.3

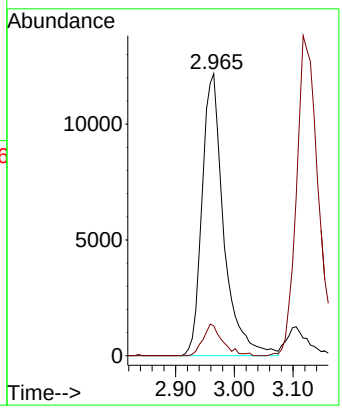




#11
Tert butyl alcohol
Concen: 191.495 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 59 Resp: 3122

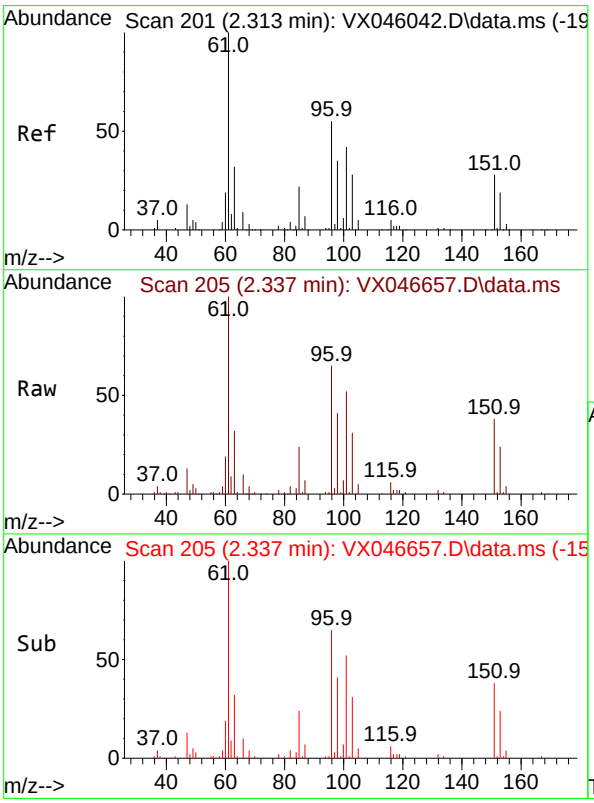
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

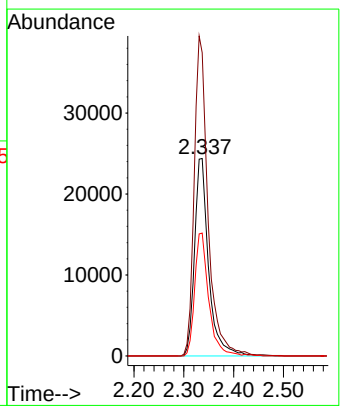
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

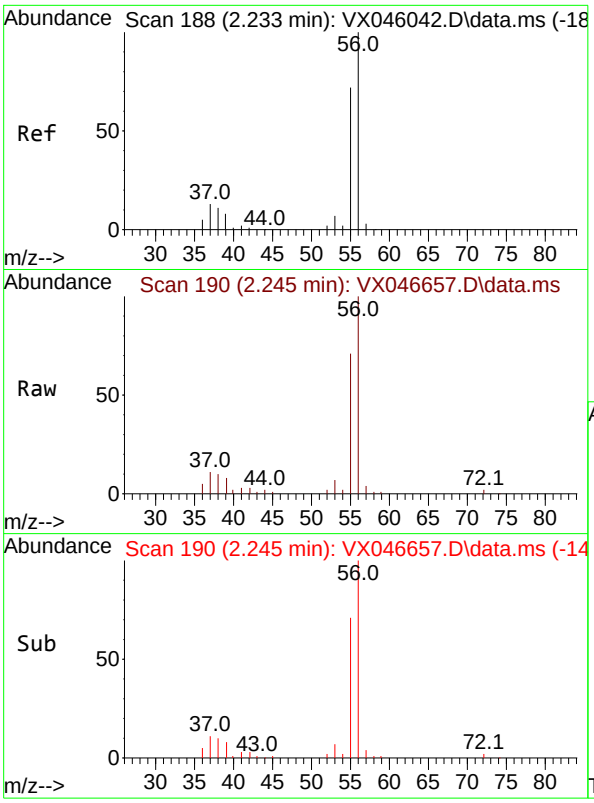


#12
1,1-Dichloroethene
Concen: 48.736 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 96 Resp: 47795

Ion	Ratio	Lower	Upper
96	100		
61	153.6	146.2	219.2
98	62.3	51.0	76.6

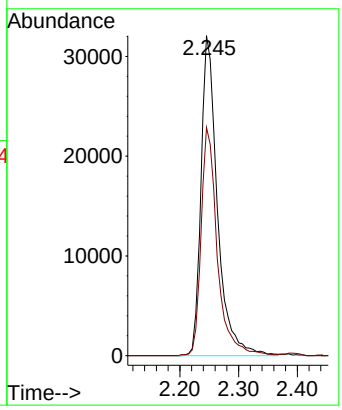




#13
Acrolein
Concen: 308.244 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 56 Resp: 6236

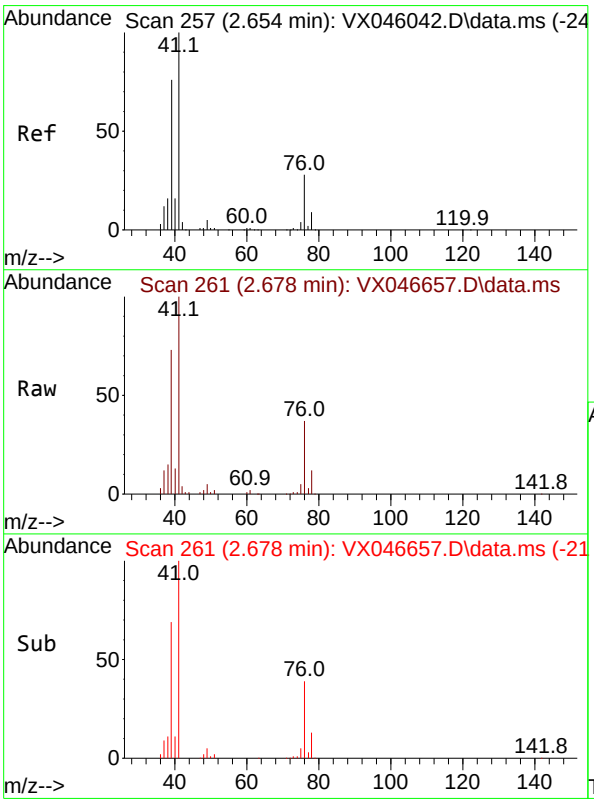
Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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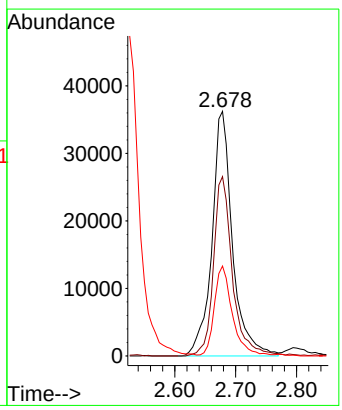
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

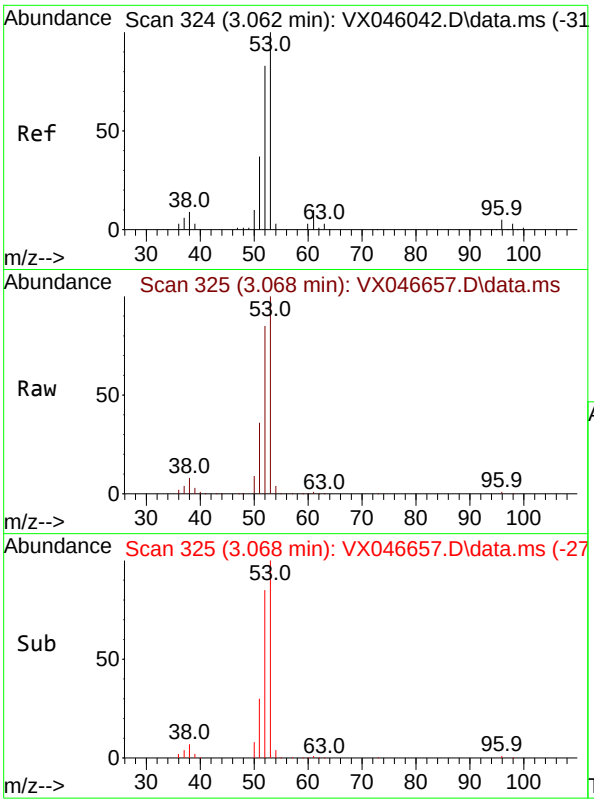


#14
Allyl chloride
Concen: 44.168 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 41 Resp: 85070

Ion	Ratio	Lower	Upper
41	100		
39	67.4	60.6	90.8
76	31.2	24.9	37.3

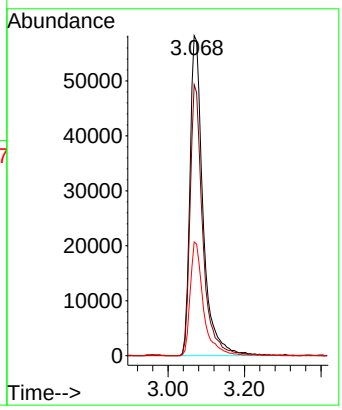




#15
Acrylonitrile
Concen: 224.440 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.013 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 53 Resp: 13838

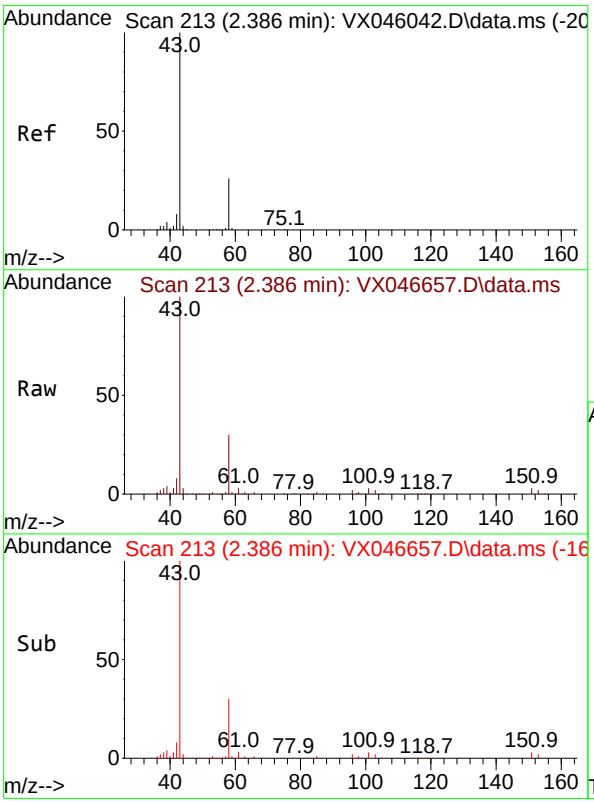
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.9	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

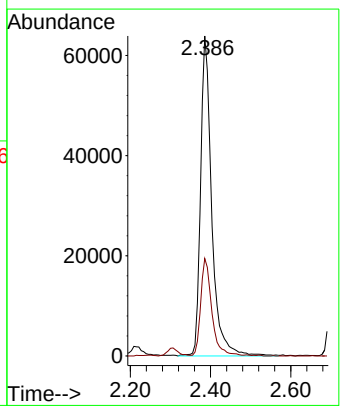
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

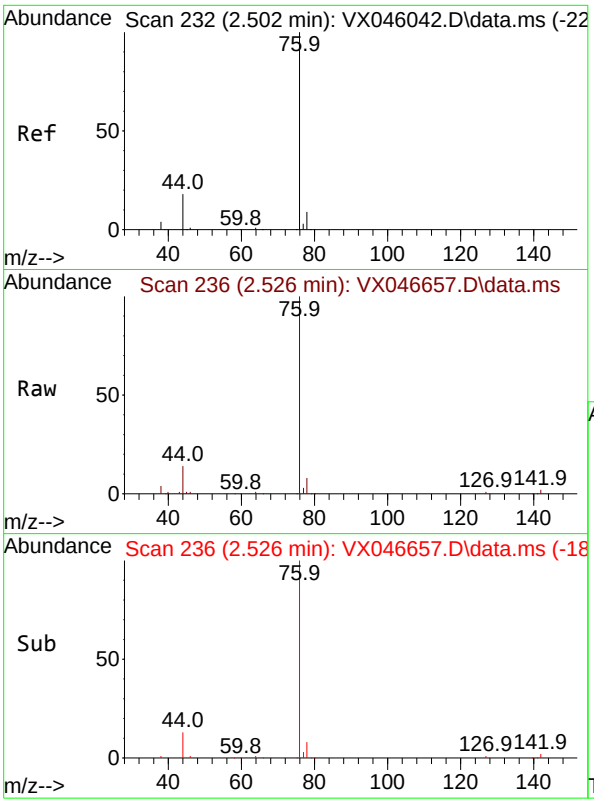


#16
Acetone
Concen: 214.546 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 123430

Ion	Ratio	Lower	Upper
43	100		
58	30.5	21.2	31.8





#17
Carbon Disulfide
Concen: 44.419 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

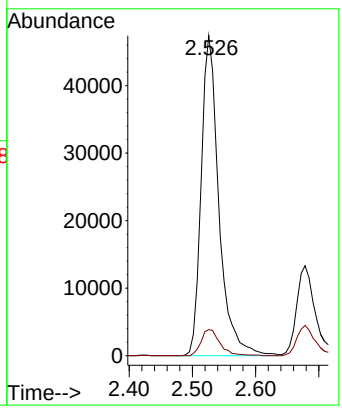
Tgt Ion: 76 Resp: 9244

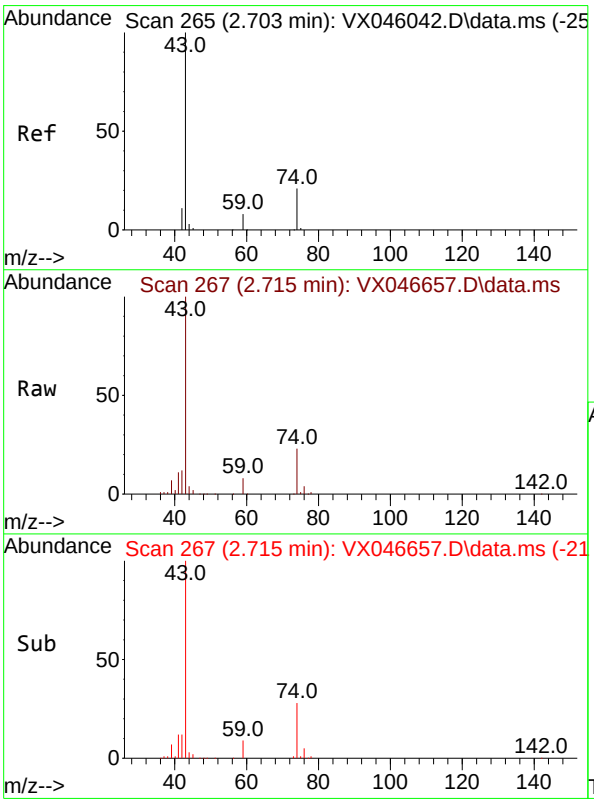
Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

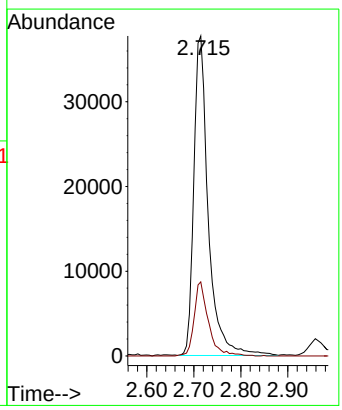


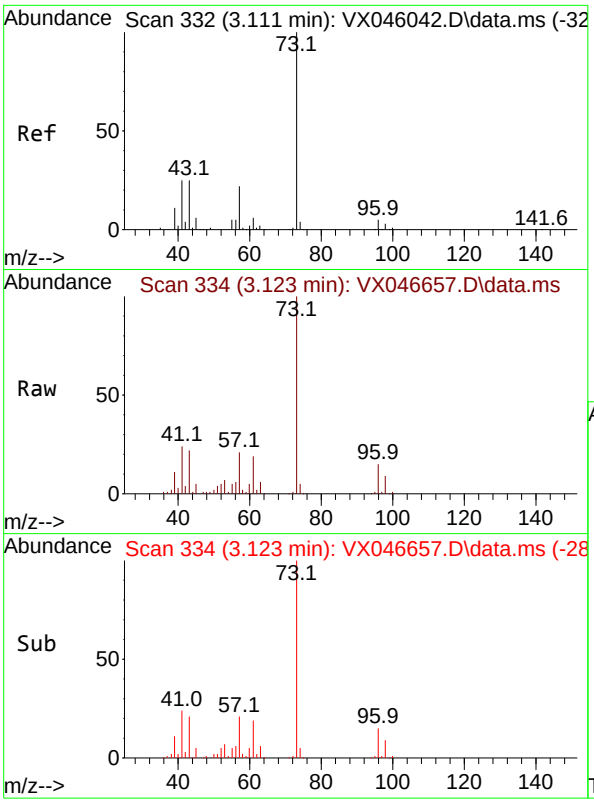


#18
Methyl Acetate
Concen: 46.215 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 80898

Ion	Ratio	Lower	Upper
43	100		
74	22.9	16.7	25.1

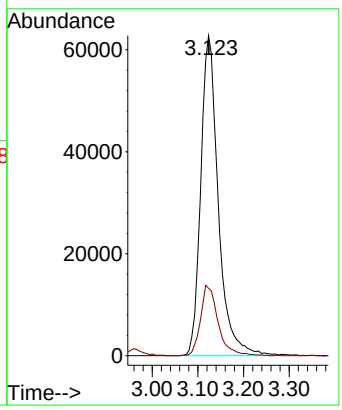




#19
Methyl tert-butyl Ether
Concen: 48.780 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 73 Resp: 16739

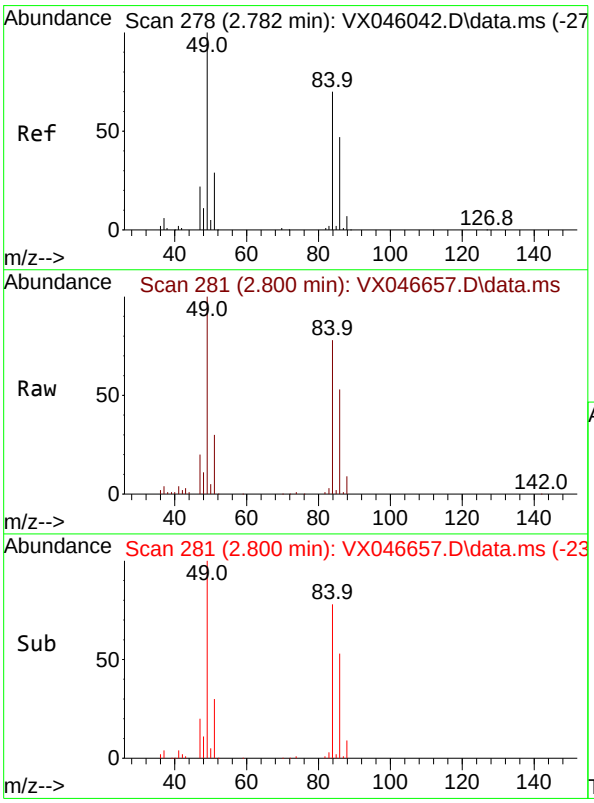
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

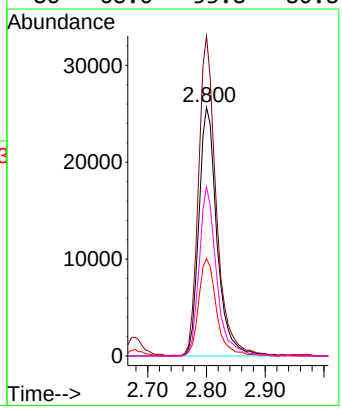
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

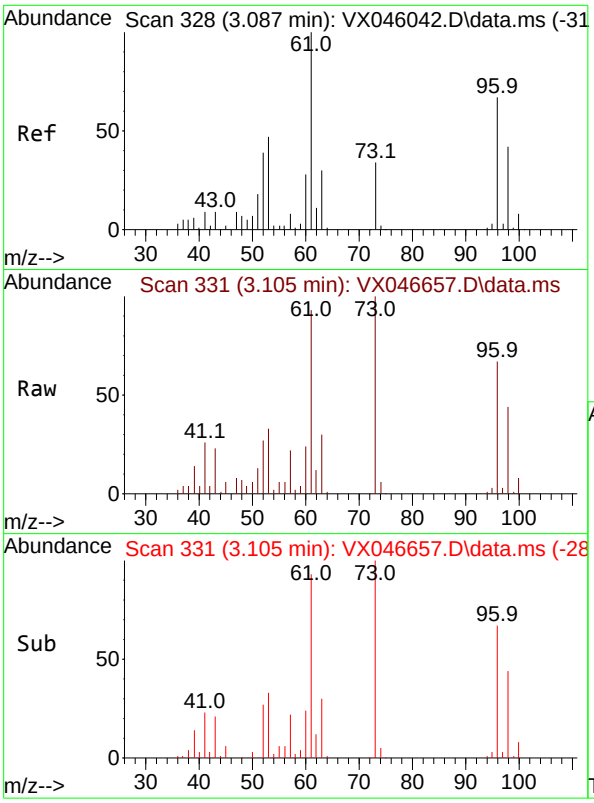


#20
Methylene Chloride
Concen: 46.663 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 84 Resp: 55016

Ion	Ratio	Lower	Upper
84	100		
49	128.3	113.9	170.9
51	39.2	33.5	50.3
86	68.0	53.8	80.8

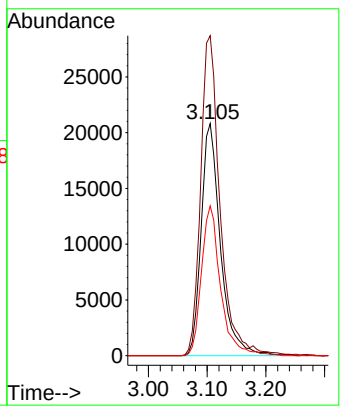




#21
trans-1,2-Dichloroethene
Concen: 45.648 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 96 Resp: 4737

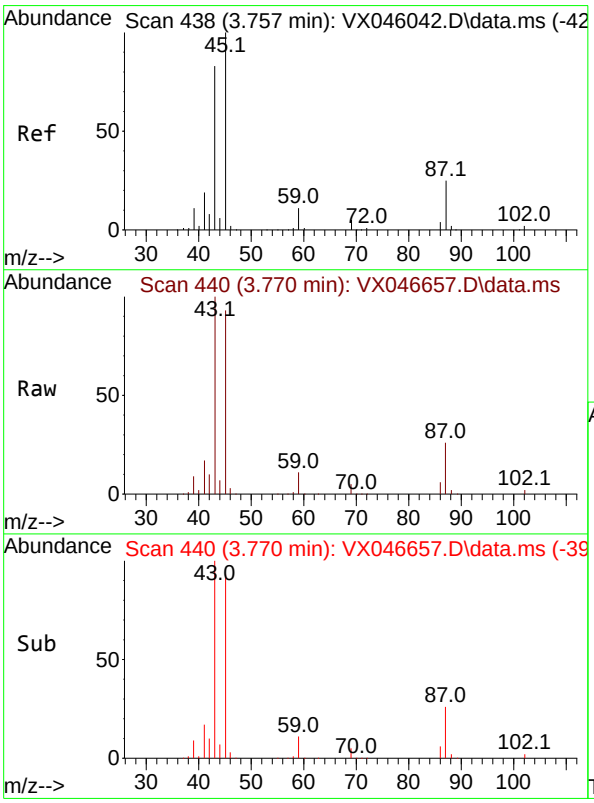
Ion	Ratio	Lower	Upper
96	100		
61	137.8	119.5	179.3
98	64.5	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

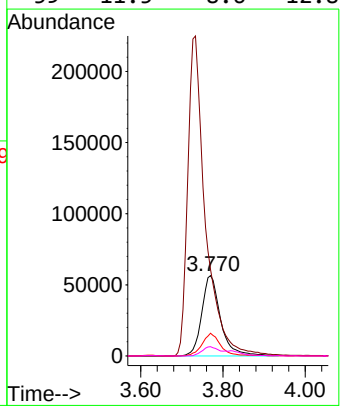
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

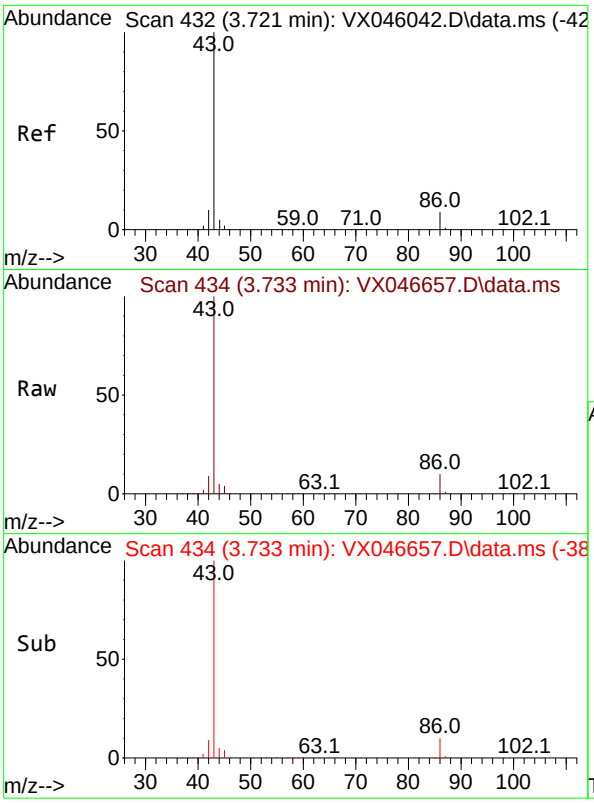


#22
Diisopropyl ether
Concen: 47.342 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 45 Resp: 179769

Ion	Ratio	Lower	Upper
45	100		
43	106.1	66.6	100.0#
87	28.3	19.8	29.6
59	11.5	8.6	12.8





#23
Vinyl Acetate
Concen: 230.742 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

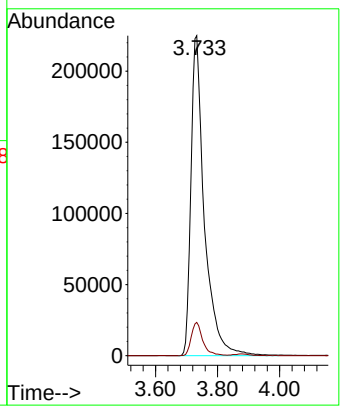
Tgt Ion: 43 Resp: 67646

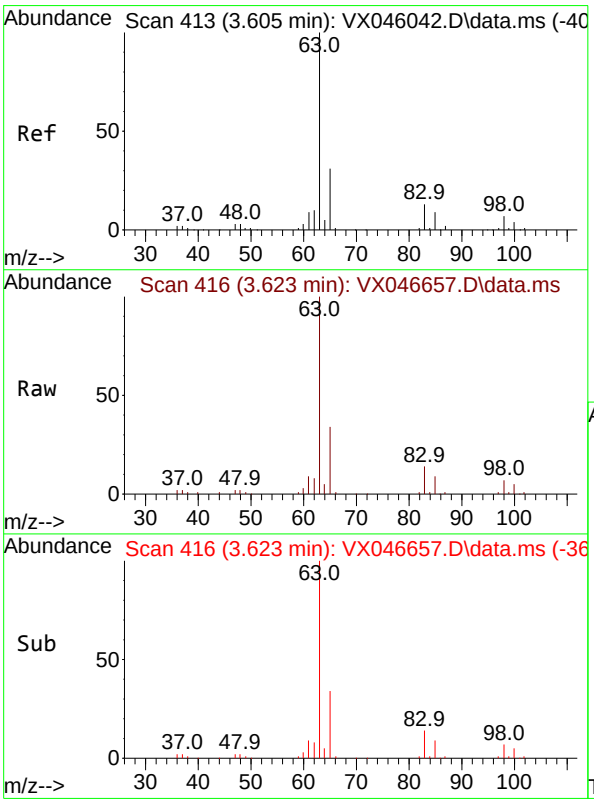
Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

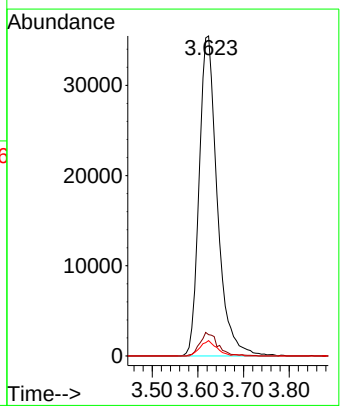


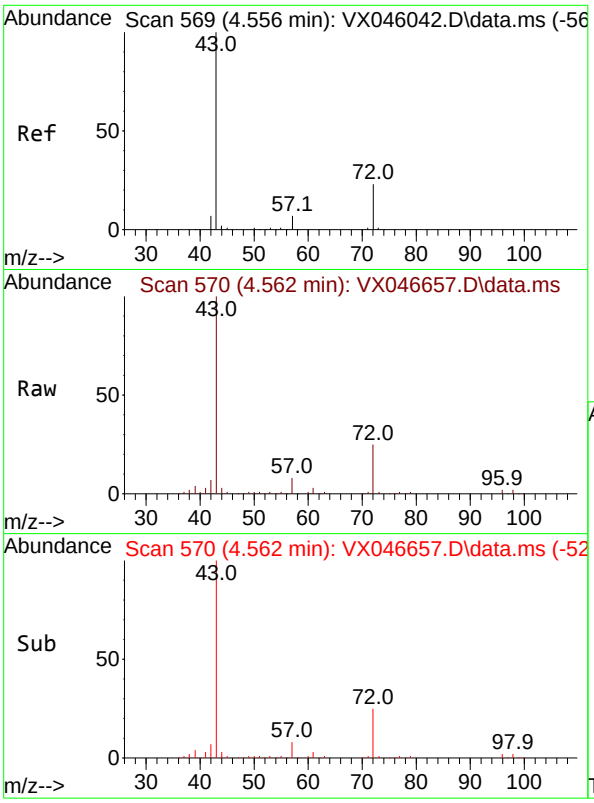


#24
1,1-Dichloroethane
Concen: 46.174 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 63 Resp: 97719

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	4.8	2.1	6.3

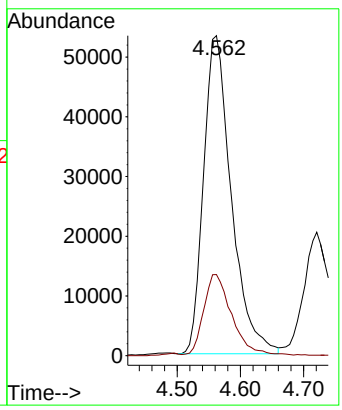




#25
2-Butanone
Concen: 198.700 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 16255

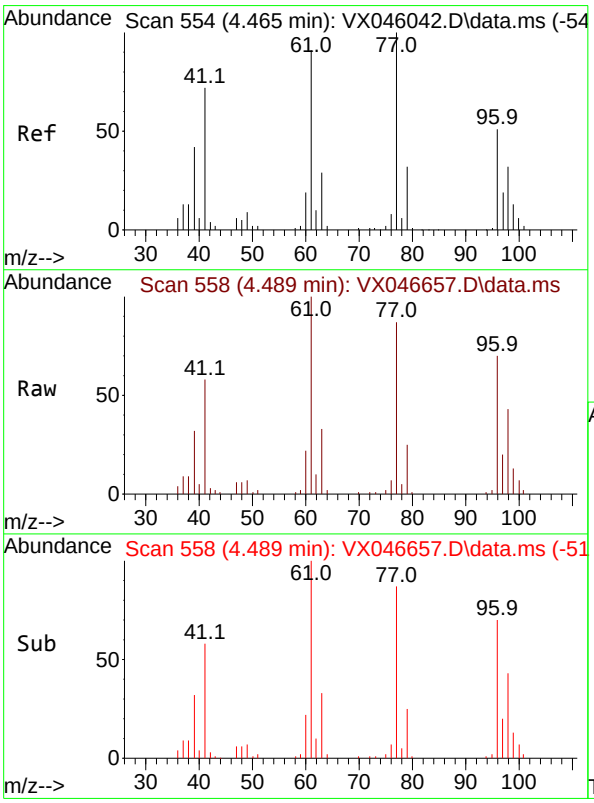
Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

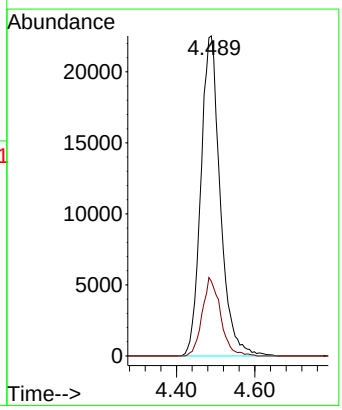
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

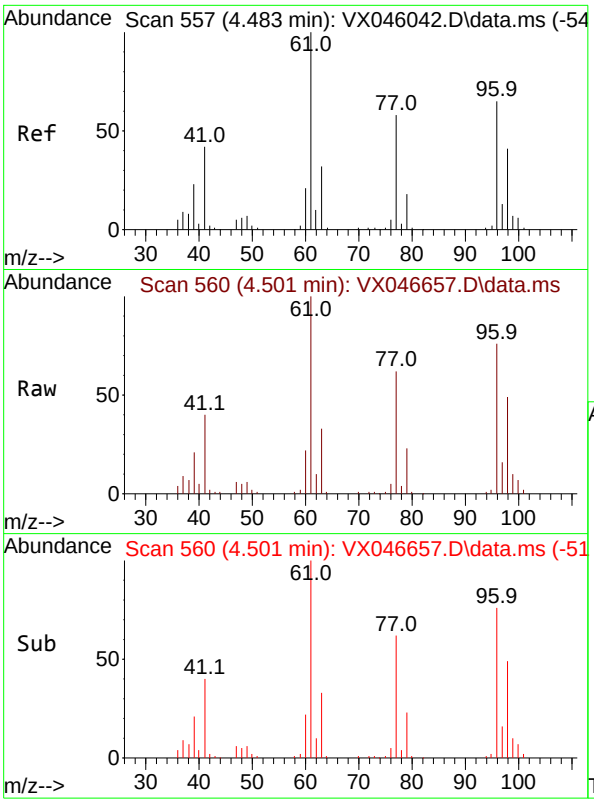


#26
2,2-Dichloropropane
Concen: 49.247 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 77 Resp: 77371

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5

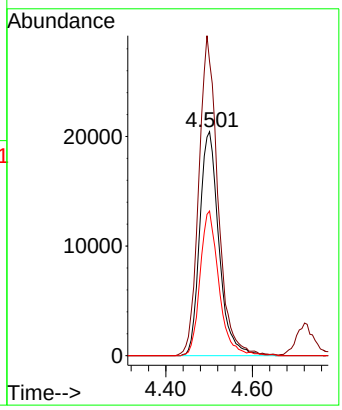




#27
cis-1,2-Dichloroethene
Concen: 49.368 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 96 Resp: 6307

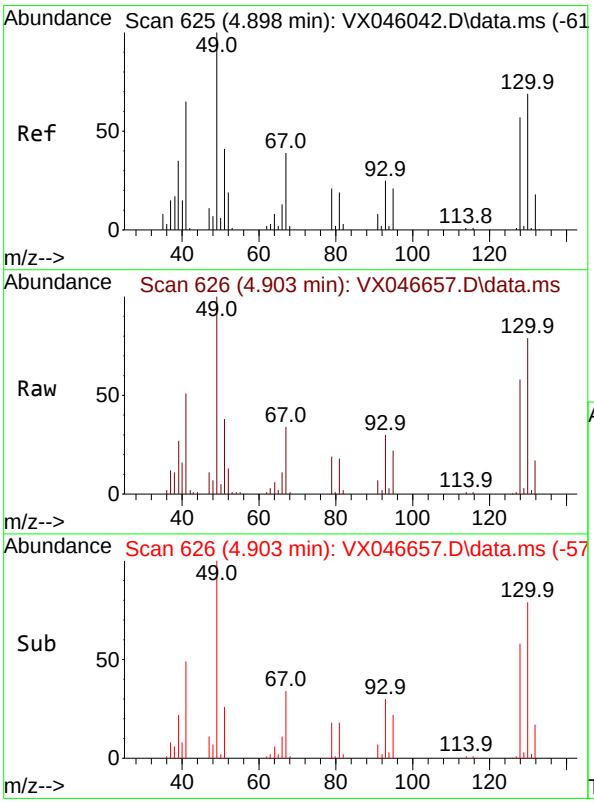
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	322.8
98	63.2	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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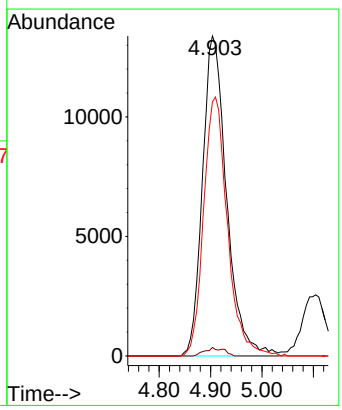
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

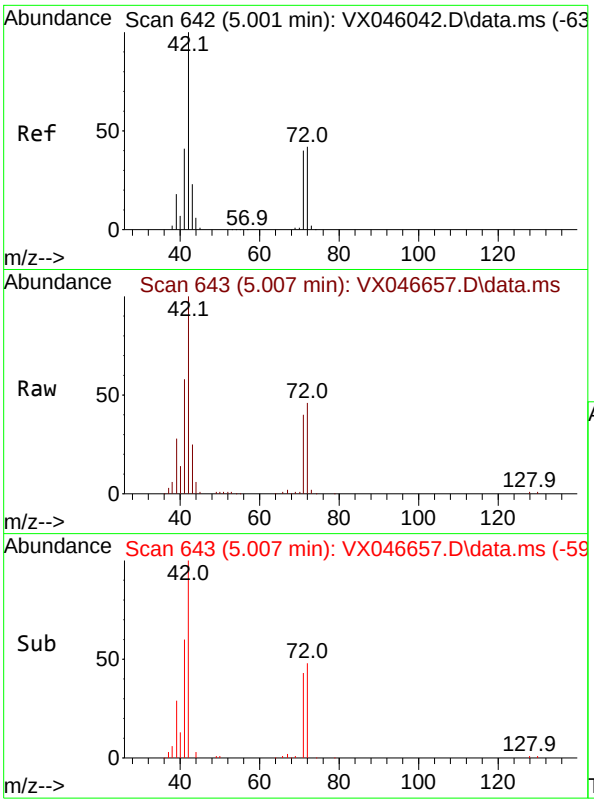


#28
Bromochloromethane
Concen: 43.246 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.013 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 49 Resp: 43653

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	79.8	56.2	84.2





#29
Tetrahydrofuran
Concen: 202.521 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

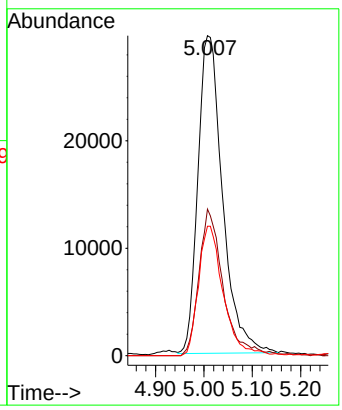
Tgt Ion: 42 Resp: 10463

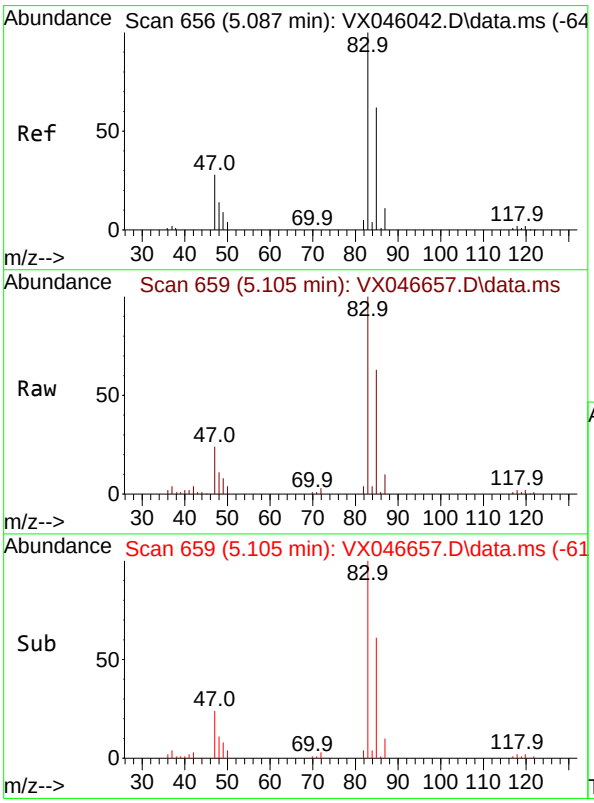
Ion	Ratio	Lower	Upper
42	100		
72	45.3	33.7	50.5
71	40.8	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

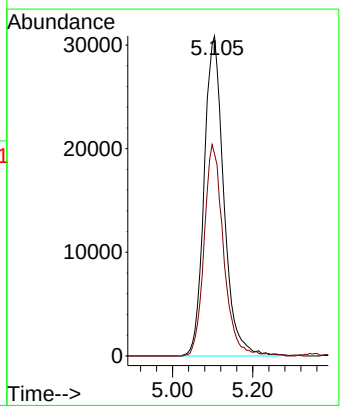


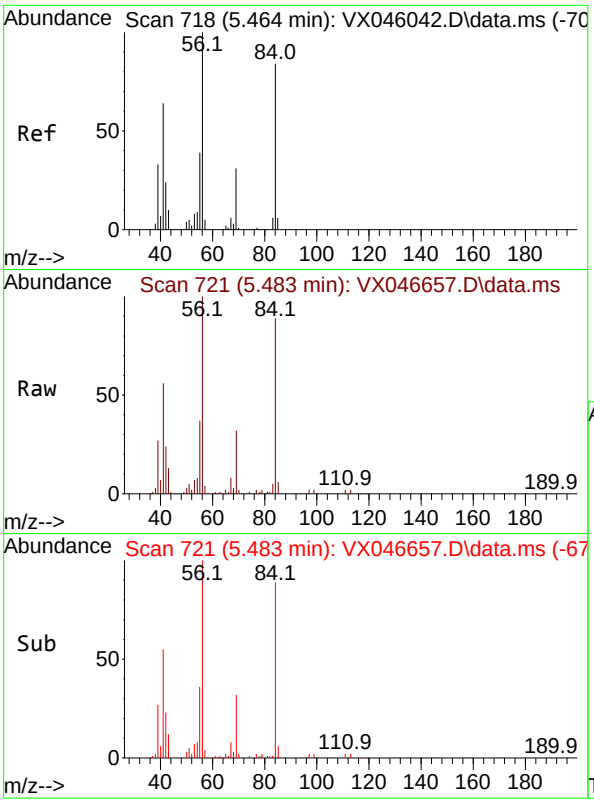


#30
Chloroform
Concen: 47.284 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 83 Resp: 104851

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.3	73.9

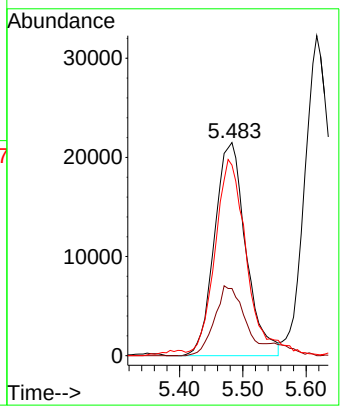




#31
Cyclohexane
Concen: 43.368 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 56 Resp: 7409

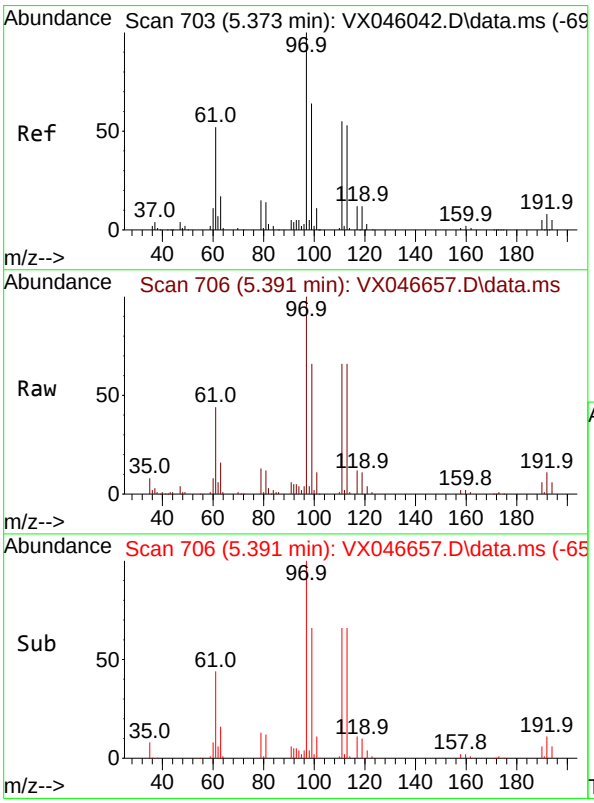
Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.4	36.6
84	86.9	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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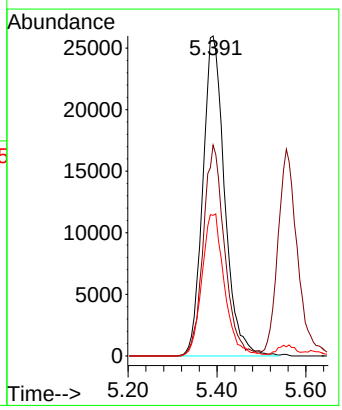
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

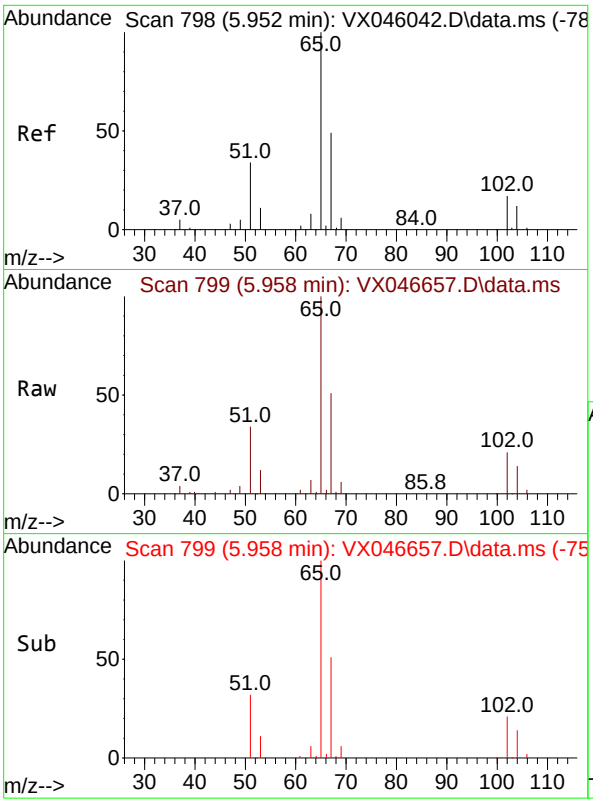


#32
1,1,1-Trichloroethane
Concen: 46.820 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 97 Resp: 88809

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	45.8	40.1	60.1

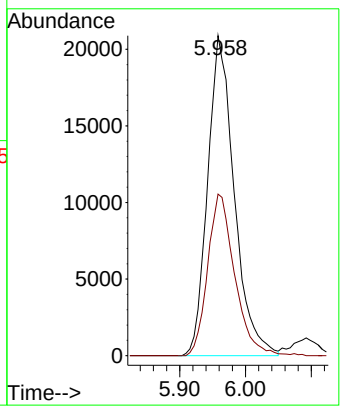




#33
1,2-Dichloroethane-d4
Concen: 39.968 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 65 Resp: 5873

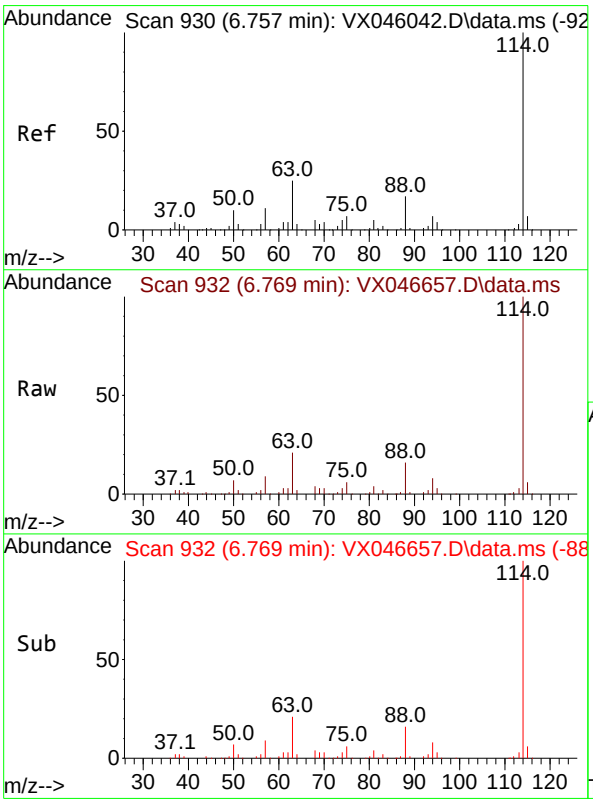
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

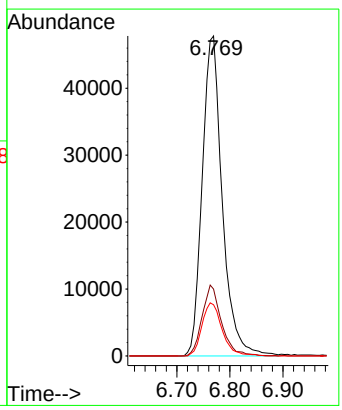
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

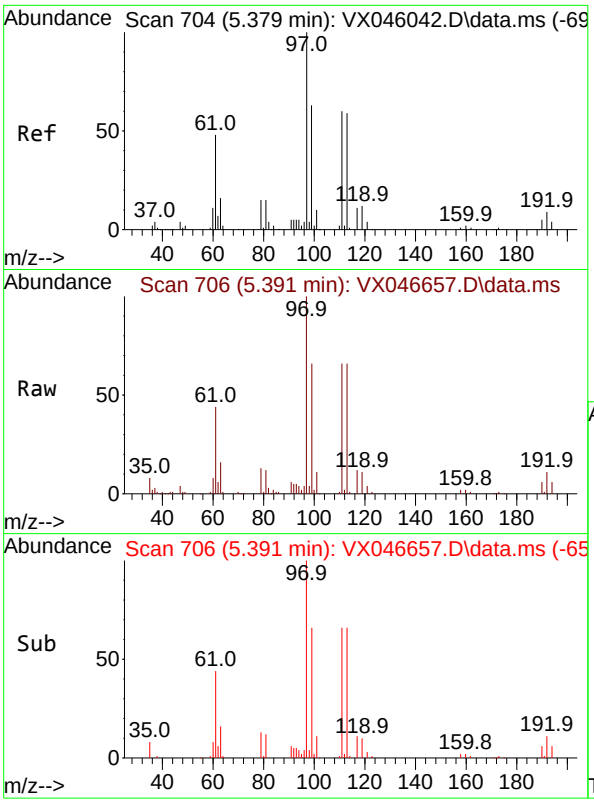


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:114 Resp: 125406

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	49.2
88	16.0	0.0	33.6

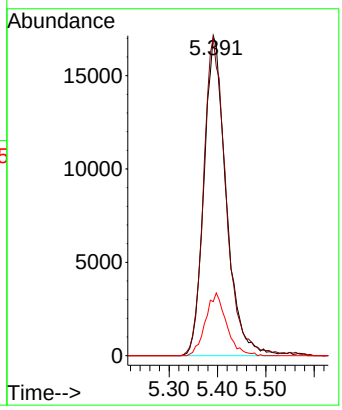




#35
Dibromofluoromethane
Concen: 59.078 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:113 Resp: 5448

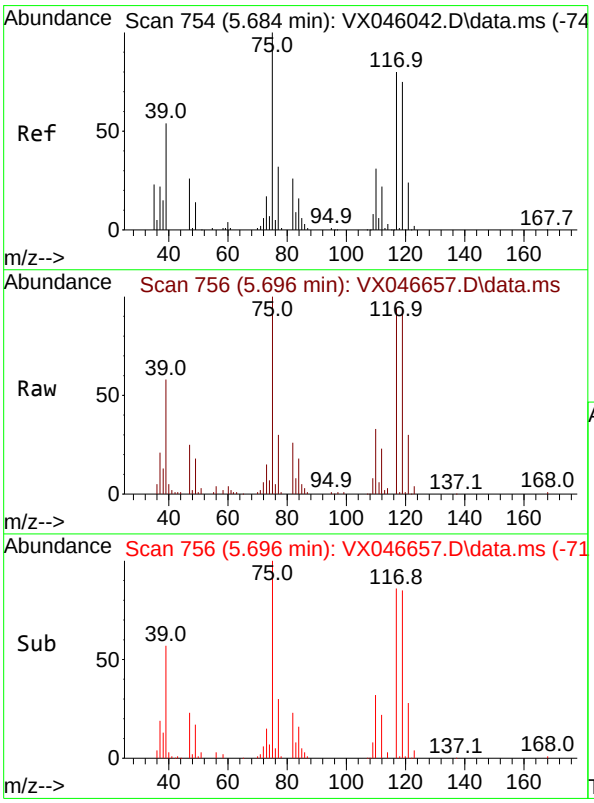
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	18.7	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

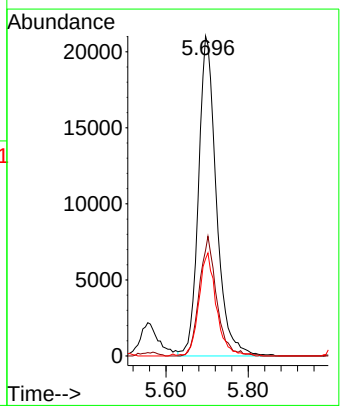
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

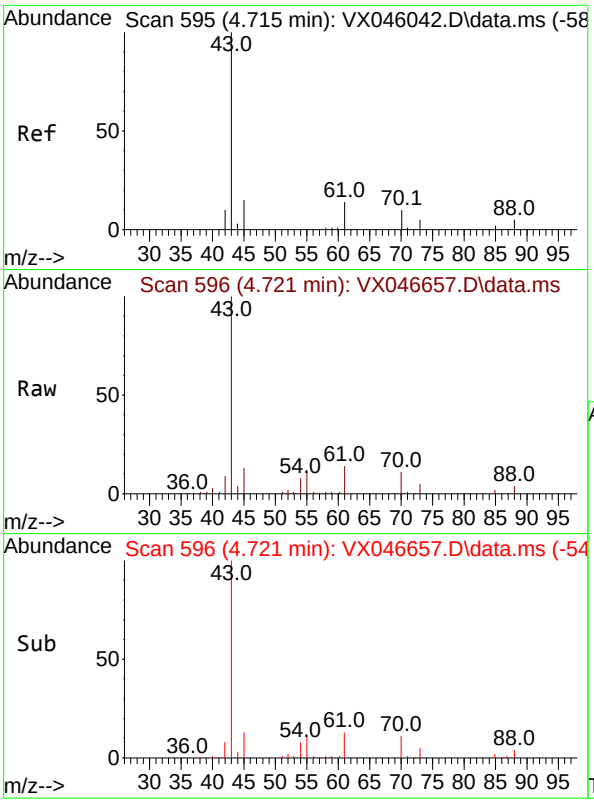


#36
1,1-Dichloropropene
Concen: 48.205 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.018 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 63502

Ion	Ratio	Lower	Upper
75	100		
110	36.1	16.3	48.9
77	31.4	24.3	36.5





#37
Ethyl Acetate
Concen: 50.287 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

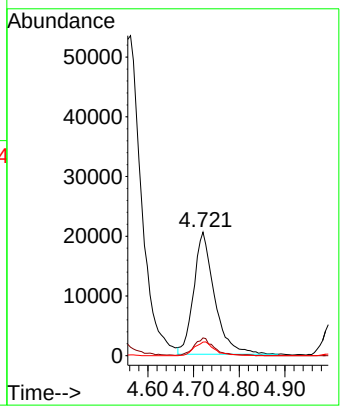
Tgt Ion: 43 Resp: 6465

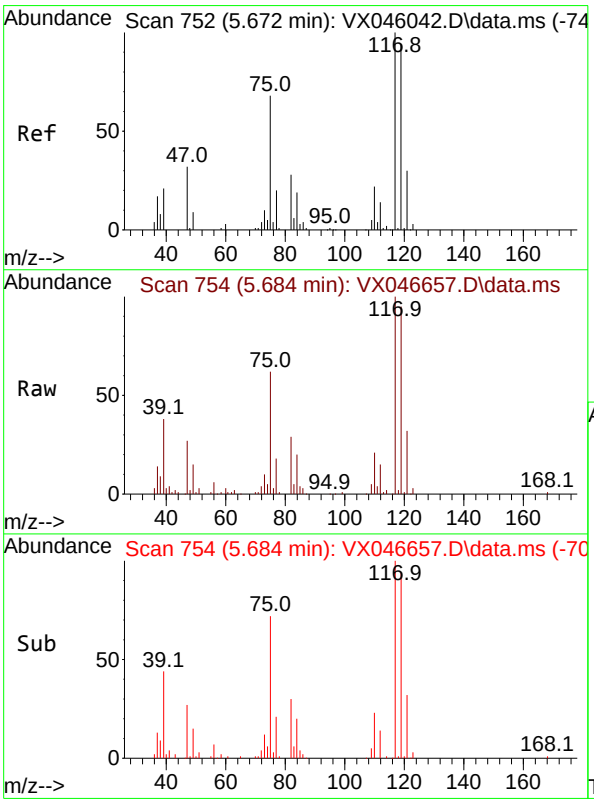
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	11.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

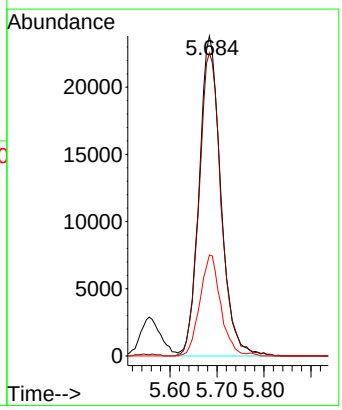


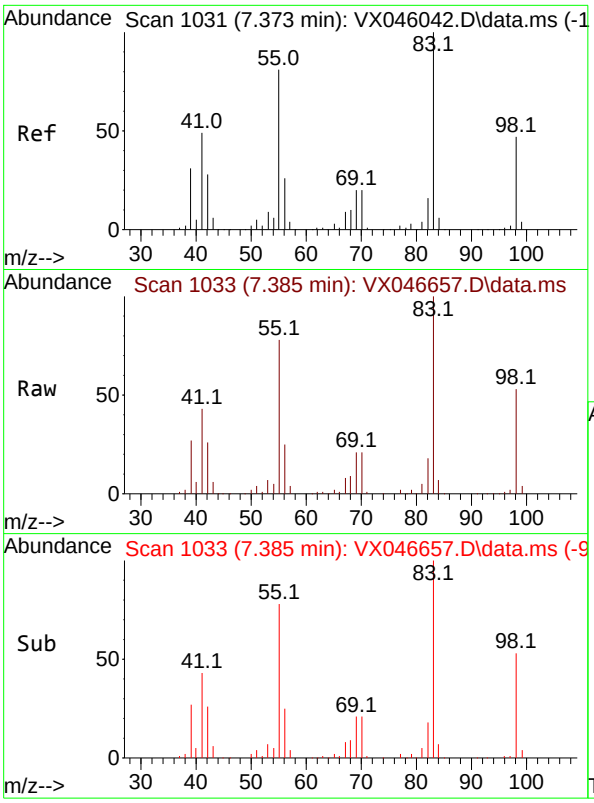


#38
Carbon Tetrachloride
Concen: 51.532 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:117 Resp: 76036

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.2	112.8
121	31.6	24.2	36.4

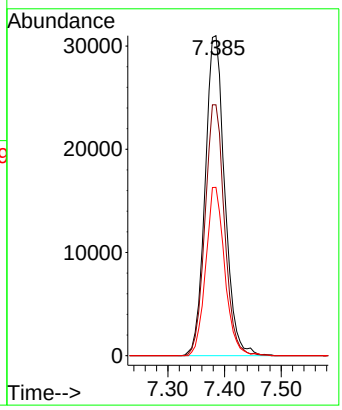




#39
Methylcyclohexane
Concen: 47.793 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 83 Resp: 7431

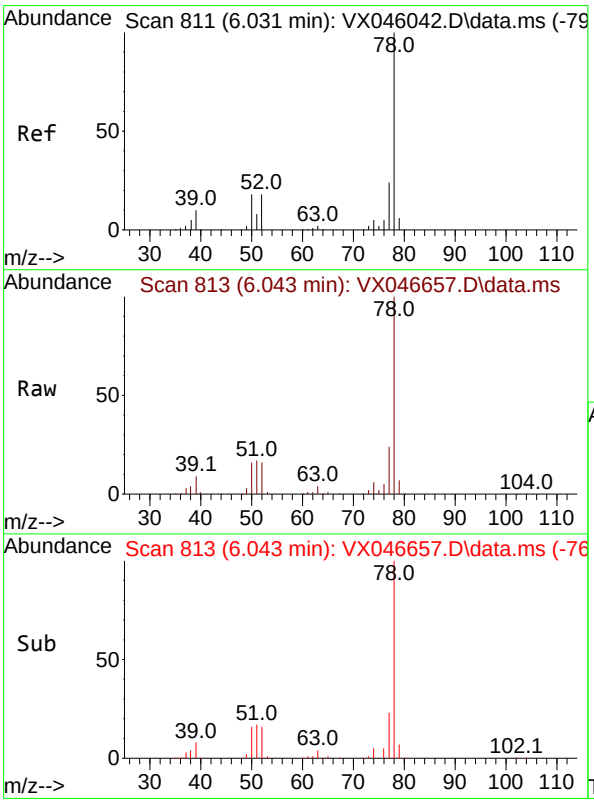
Ion	Ratio	Lower	Upper
83	100		
55	78.4	64.7	97.1
98	52.6	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

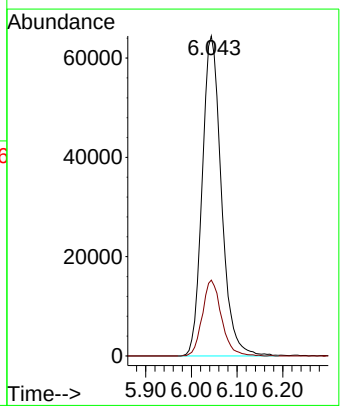
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

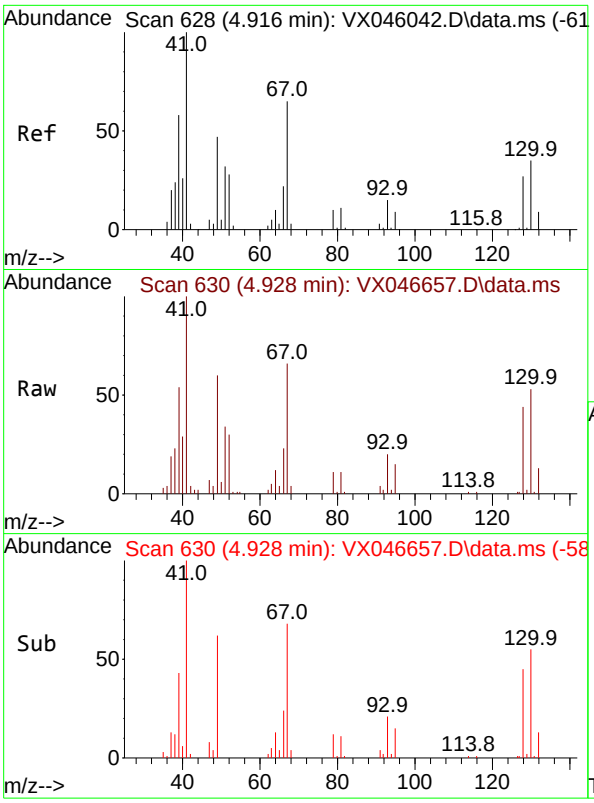


#40
Benzene
Concen: 50.668 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.013 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 78 Resp: 187904

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

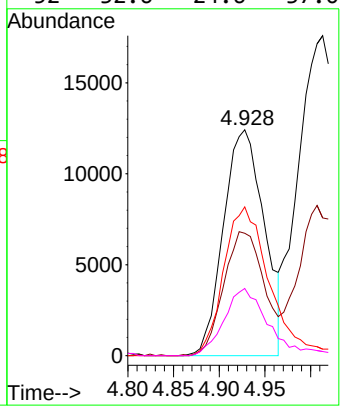




#41
Methacrylonitrile
Concen: 48.375 ug/l
RT: 4.928 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 41 Resp: 3862

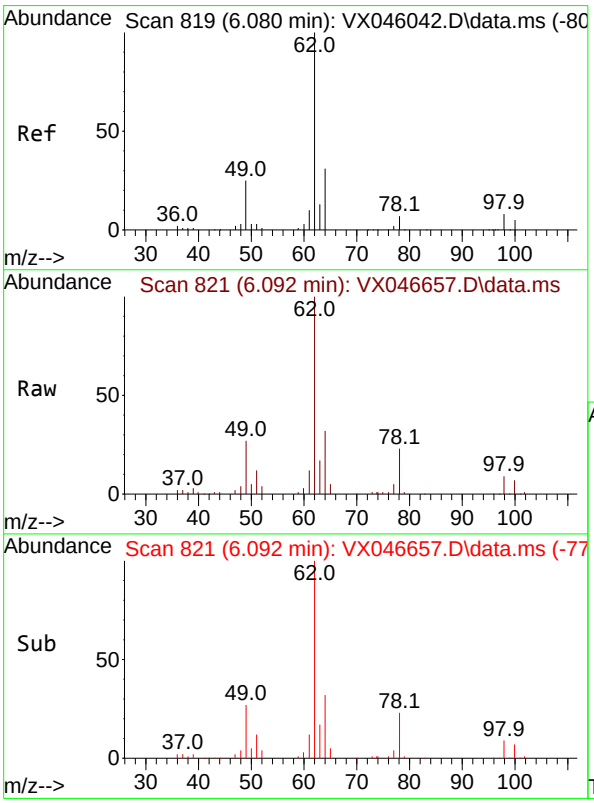
Ion	Ratio	Lower	Upper
41	100		
39	54.4	47.2	70.8
67	74.1	50.7	76.1
52	32.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

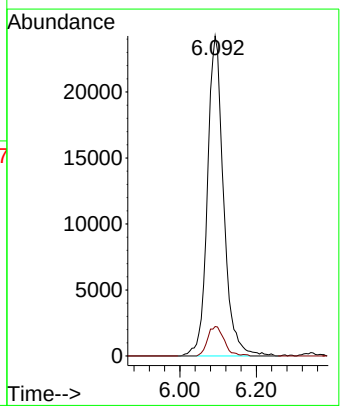
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

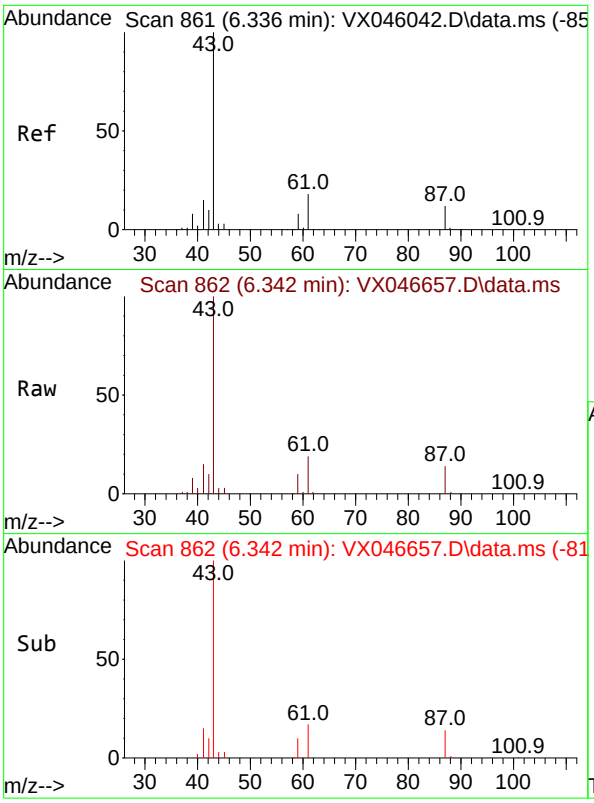


#42
1,2-Dichloroethane
Concen: 45.968 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 62 Resp: 70921

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.2

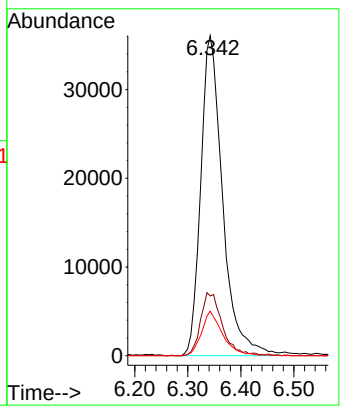




#43
Isopropyl Acetate
Concen: 46.166 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 10347

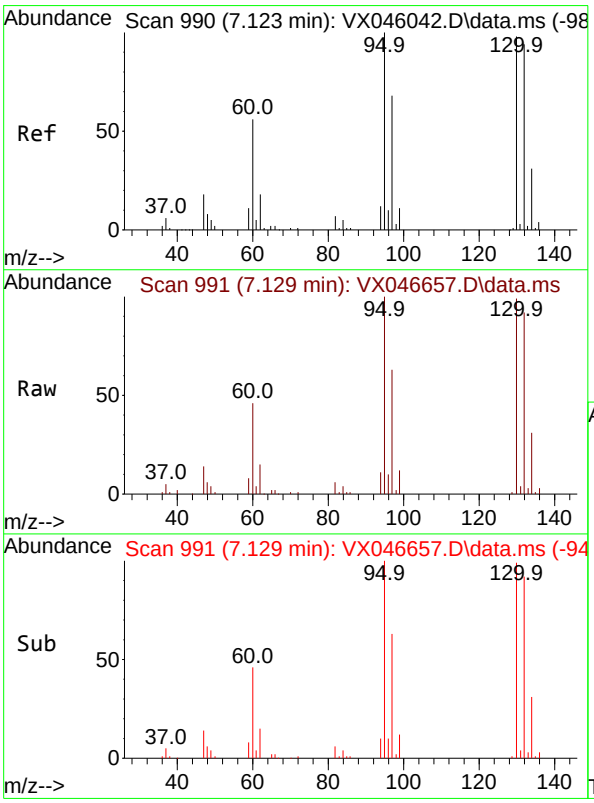
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.3	21.5
87	13.3	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

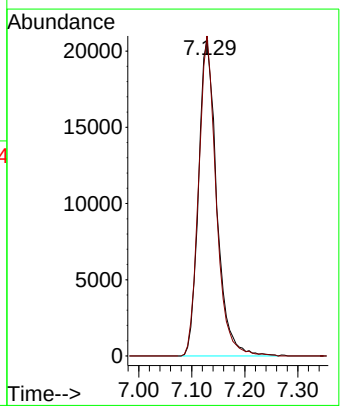
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

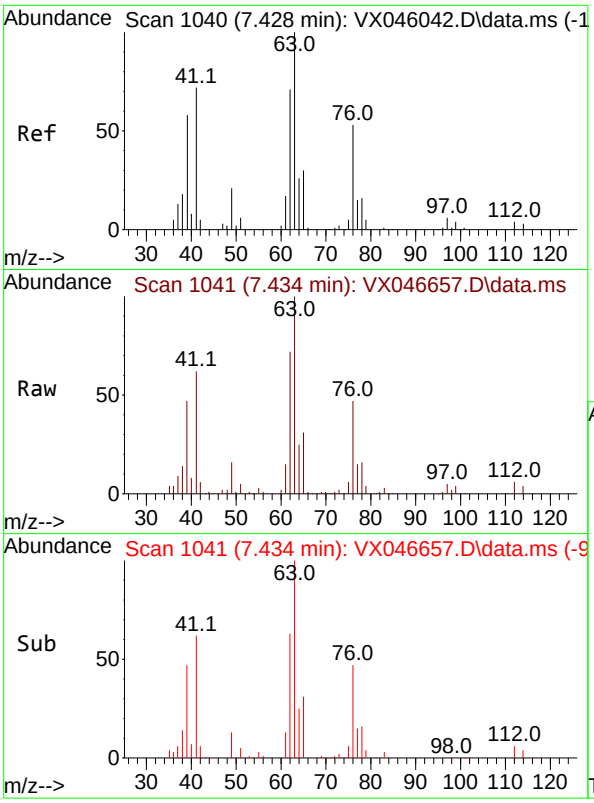


#44
Trichloroethene
Concen: 52.401 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:130 Resp: 49377

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	204.2

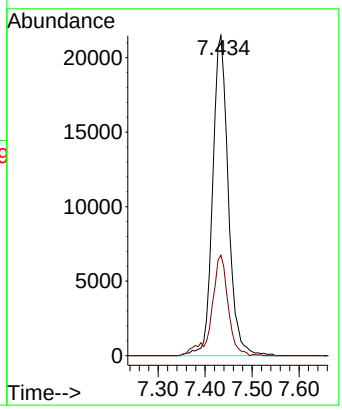




#45
1,2-Dichloropropane
Concen: 51.789 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 63 Resp: 4957

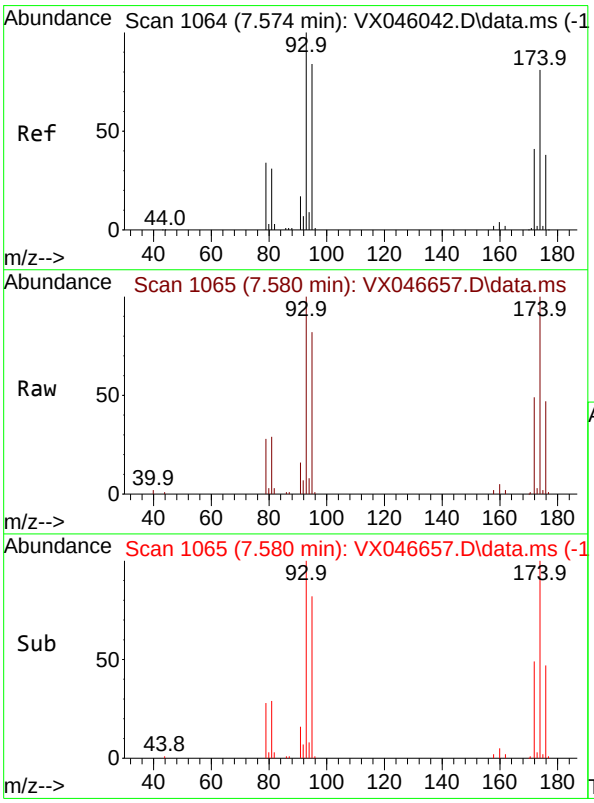
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

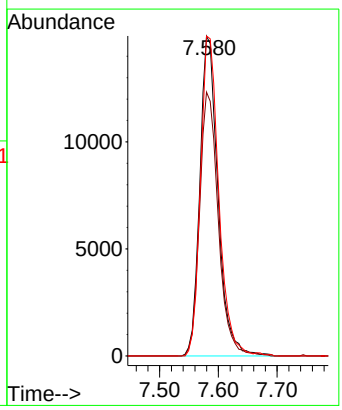
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

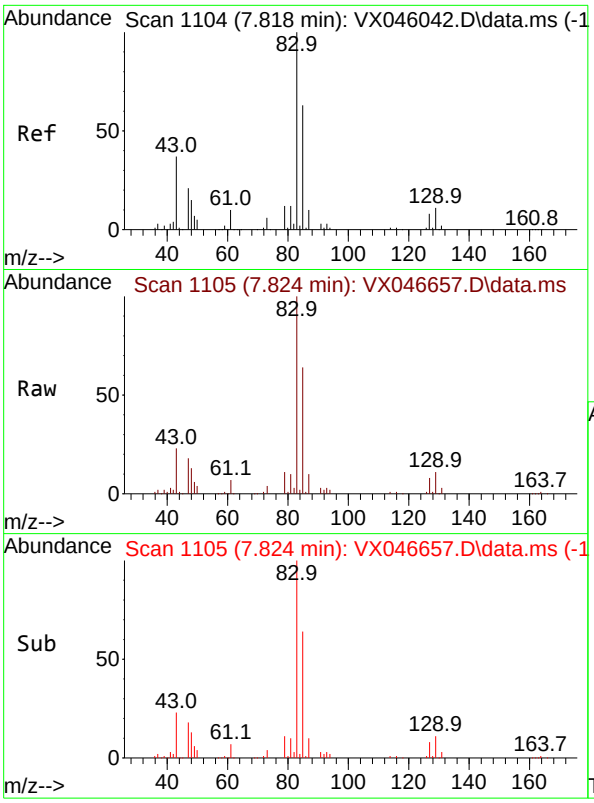


#46
Dibromomethane
Concen: 44.374 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 93 Resp: 31955

Ion	Ratio	Lower	Upper
93	100		
95	84.9	65.6	98.4
174	101.3	68.2	102.2

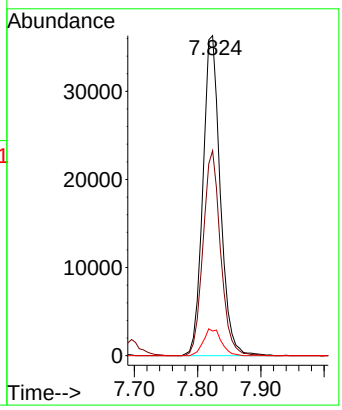




#47
Bromodichloromethane
Concen: 46.922 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 83 Resp: 6947

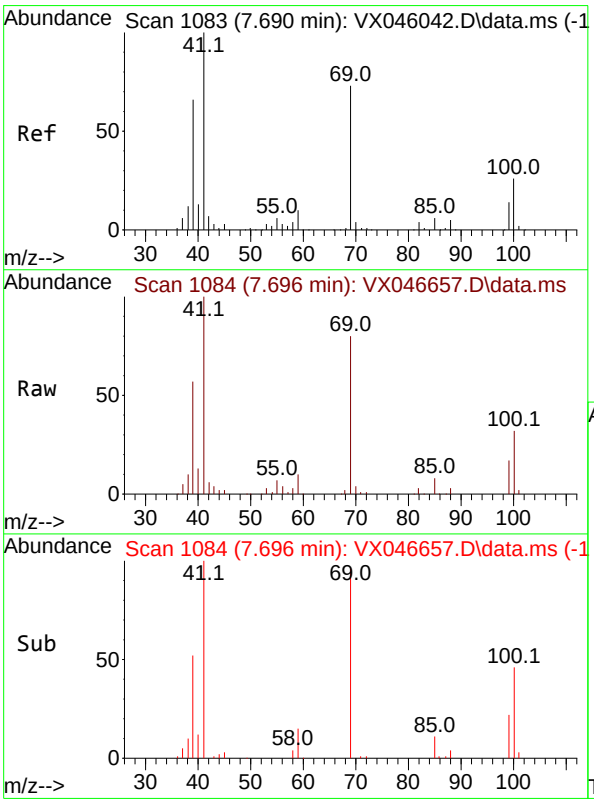
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.5	75.7
127	7.7	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

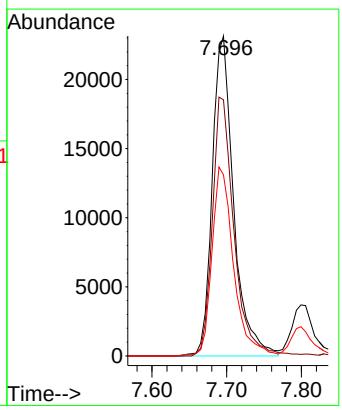
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

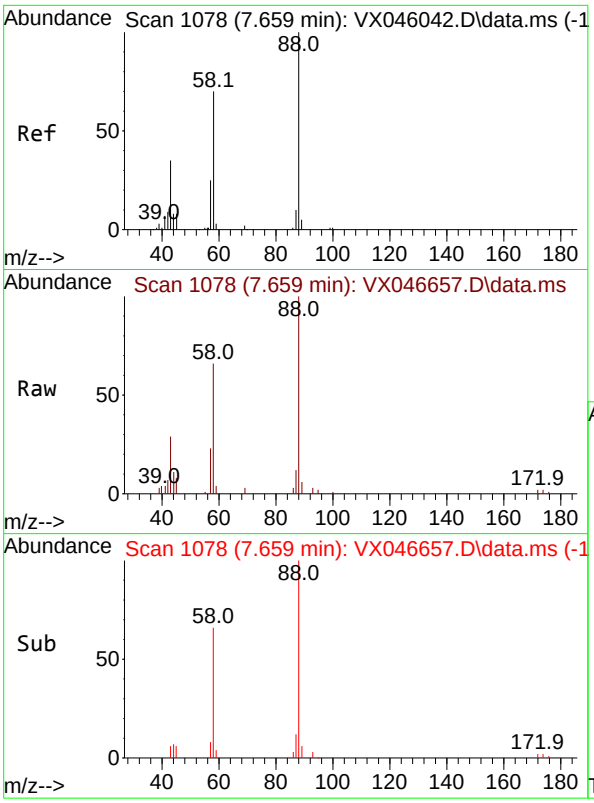


#48
Methyl methacrylate
Concen: 39.931 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 41 Resp: 46050

Ion	Ratio	Lower	Upper
41	100		
69	81.8	58.5	87.7
39	59.7	51.7	77.5





#49
1,4-Dioxane
Concen: 833.741 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

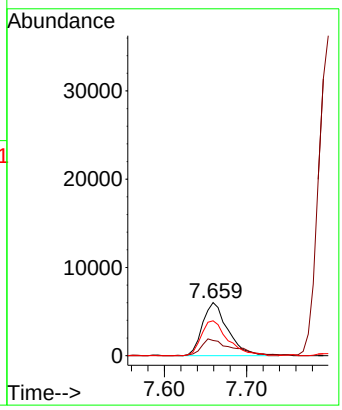
Tgt Ion: 88 Resp: 1285

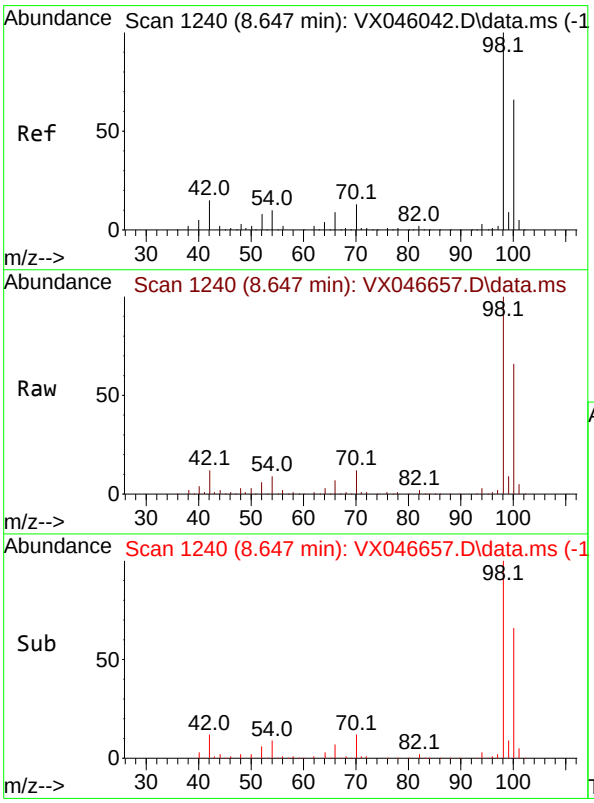
Ion	Ratio	Lower	Upper
88	100		
43	39.6	33.4	50.2
58	68.6	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

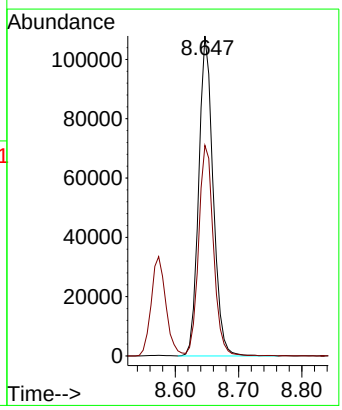


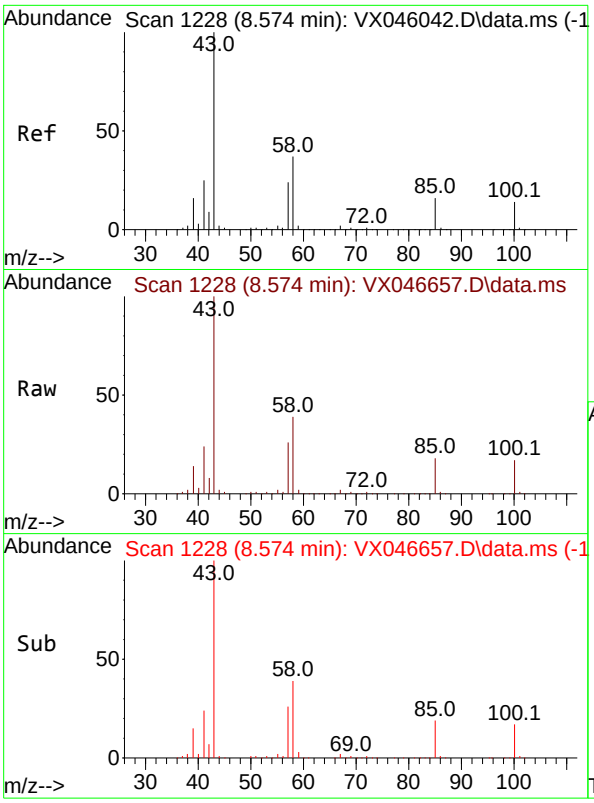


#50
Toluene-d8
Concen: 56.439 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 98 Resp: 171603

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 235.853 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

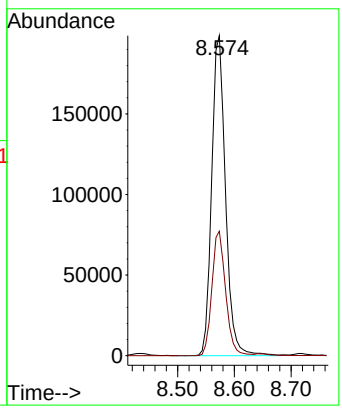
Tgt Ion: 43 Resp: 33593

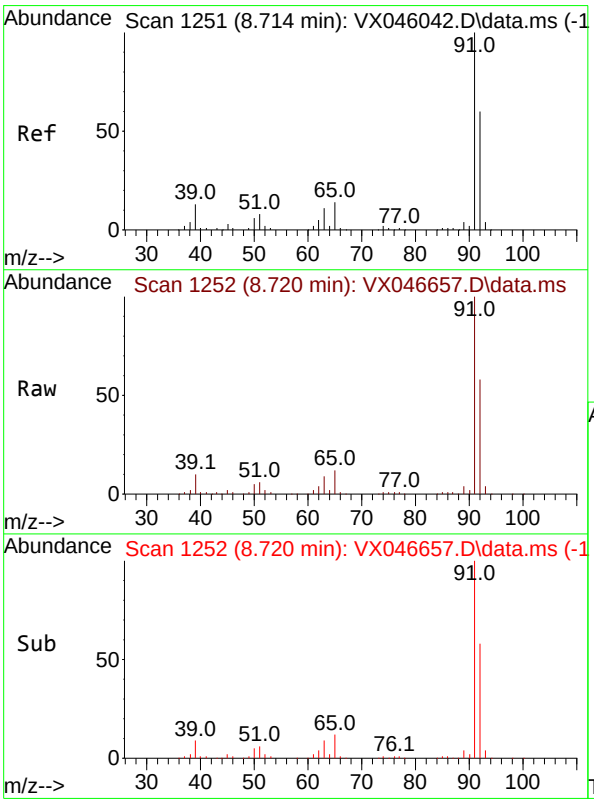
Ion	Ratio	Lower	Upper
43	100		
58	38.6	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

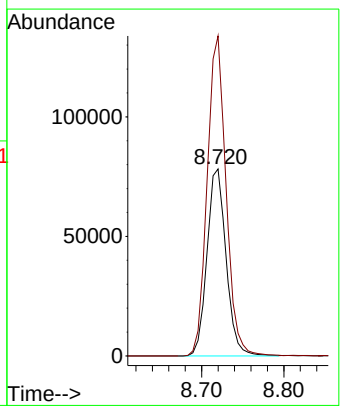


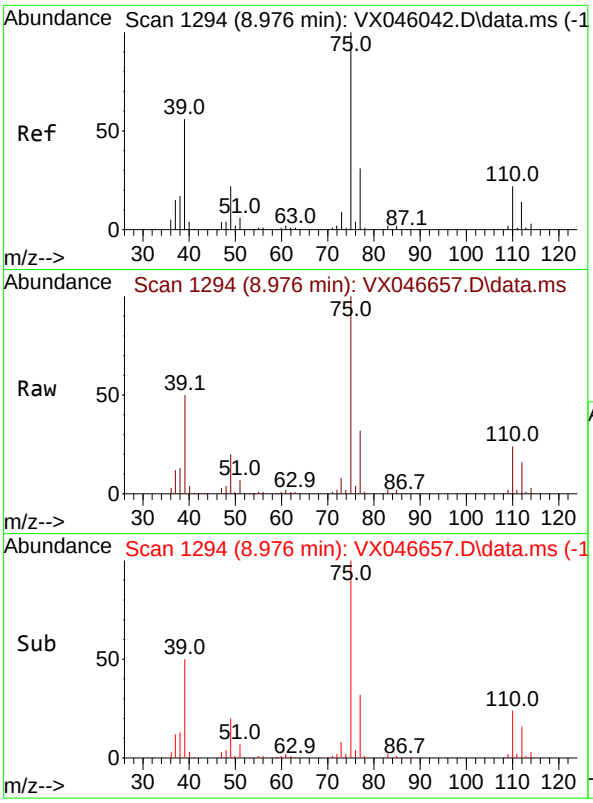


#52
Toluene
Concen: 55.498 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 92 Resp: 126444

Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.6	205.0

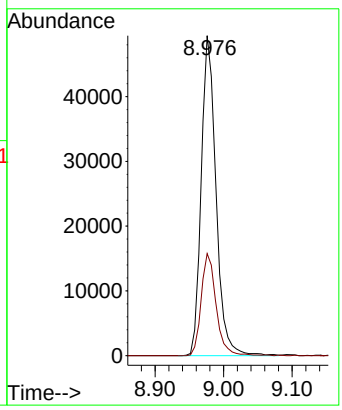




#53
t-1,3-Dichloropropene
Concen: 55.952 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 7428

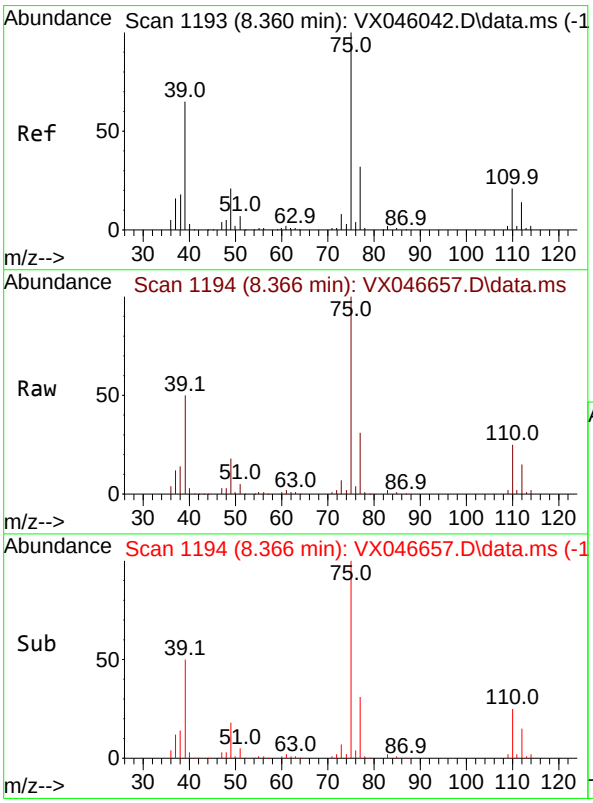
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

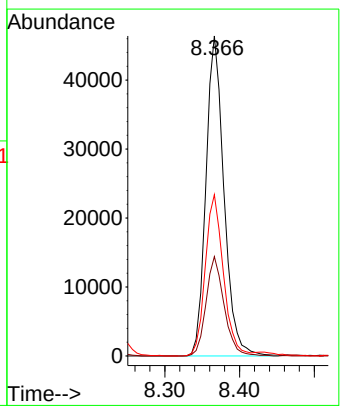
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

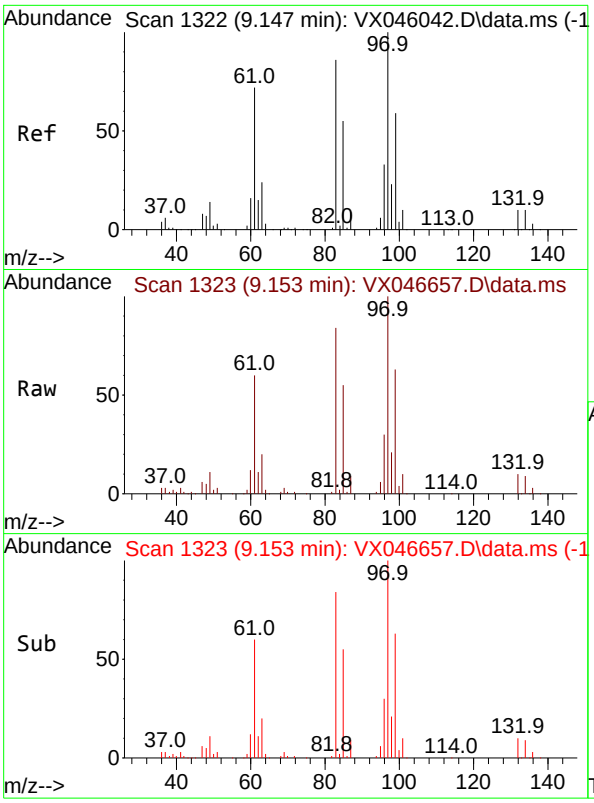


#54
cis-1,3-Dichloropropene
Concen: 52.698 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 77787

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	50.4	52.2	78.4#

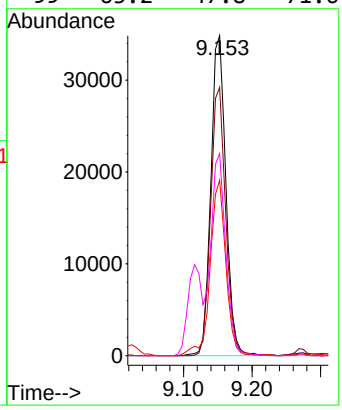




#55
1,1,2-Trichloroethane
Concen: 58.018 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 97 Resp: 5306

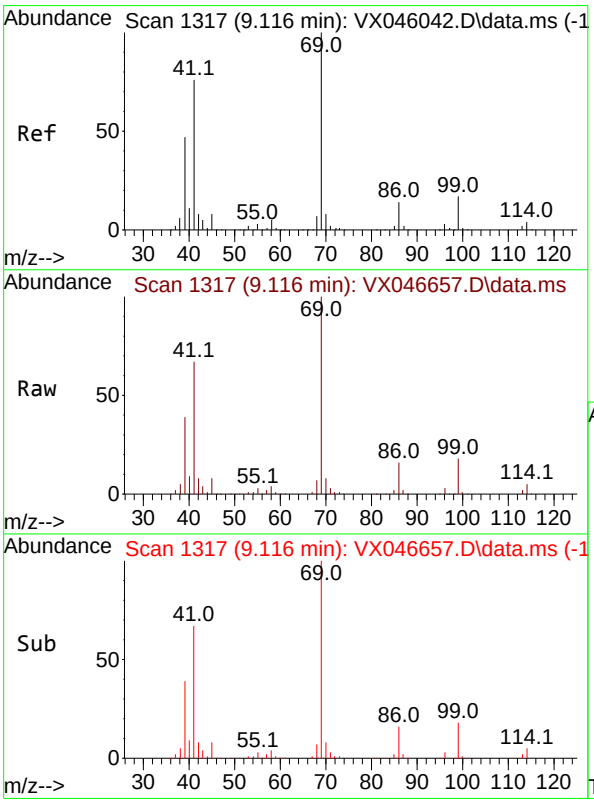
Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.0	103.6
85	54.9	44.3	66.5
99	63.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

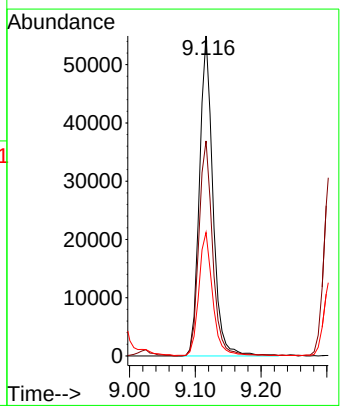
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

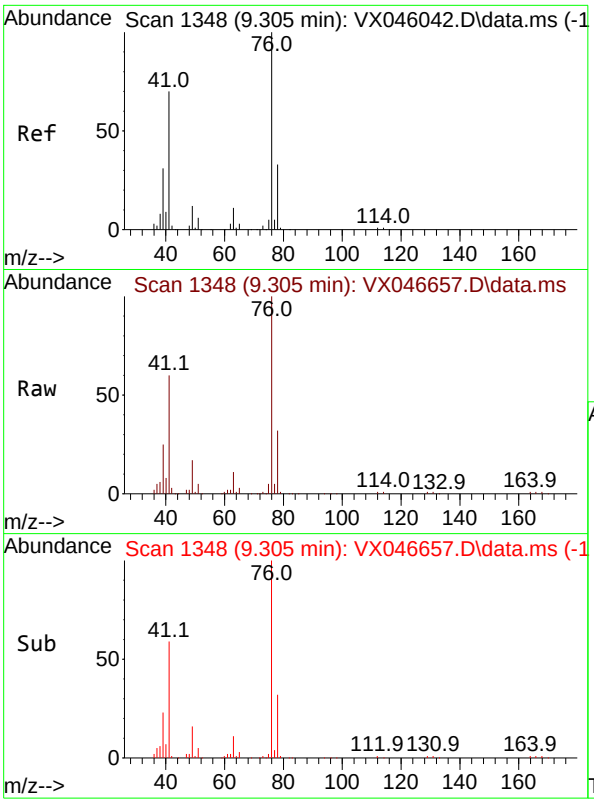


#56
Ethyl methacrylate
Concen: 55.570 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 69 Resp: 78215

Ion	Ratio	Lower	Upper
69	100		
41	69.2	60.8	91.2
39	39.2	39.0	58.6

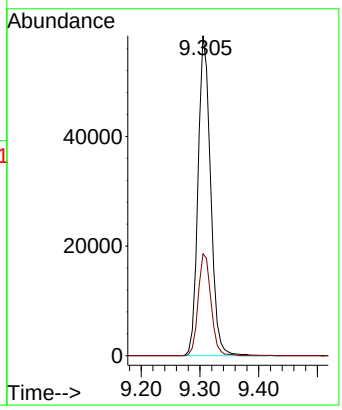




#57
1,3-Dichloropropane
Concen: 53.544 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 76 Resp: 8654

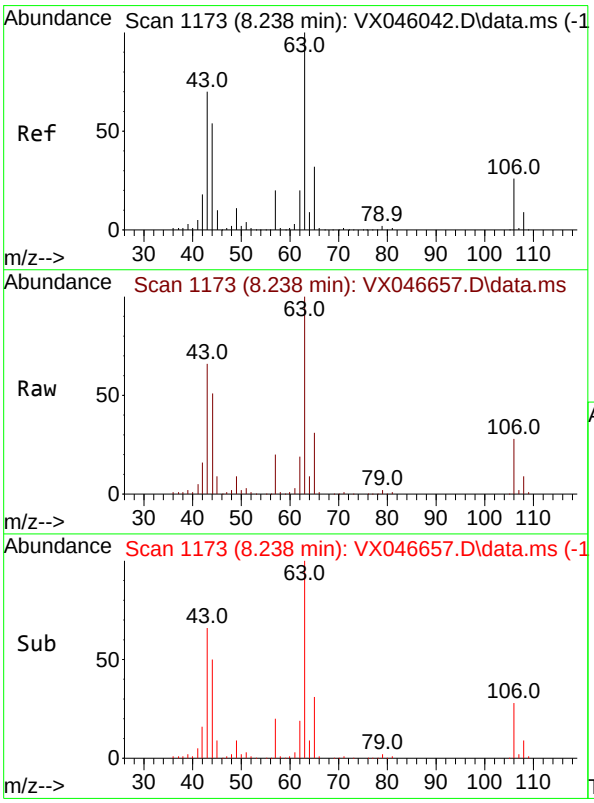
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

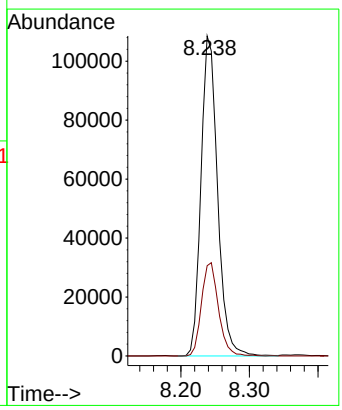
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

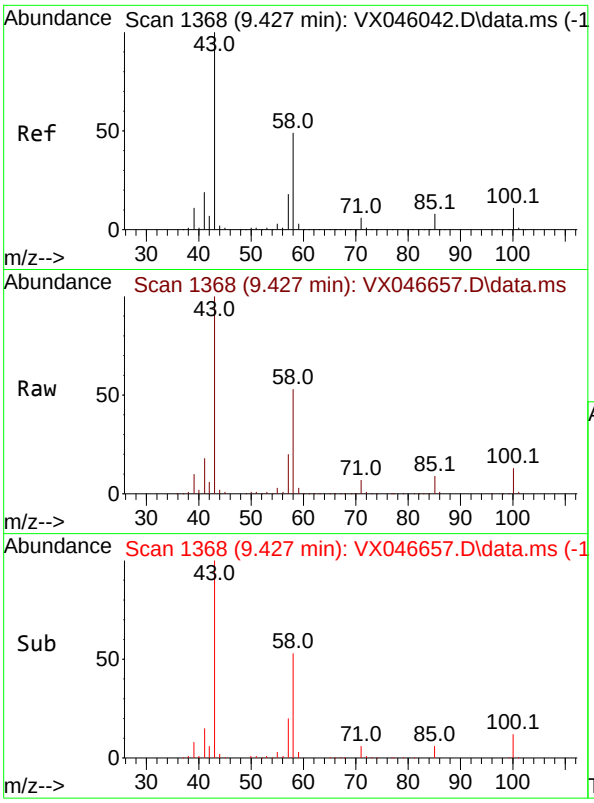


#58
2-Chloroethyl Vinyl ether
Concen: 238.457 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 63 Resp: 182816

Ion	Ratio	Lower	Upper
63	100		
106	29.9	21.5	32.3

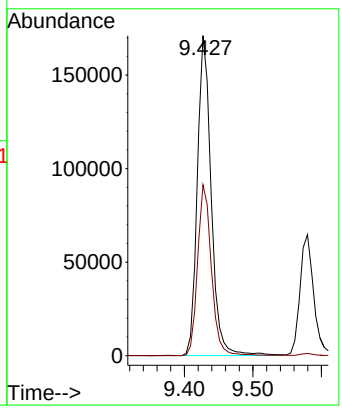




#59
2-Hexanone
Concen: 235.732 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 24080

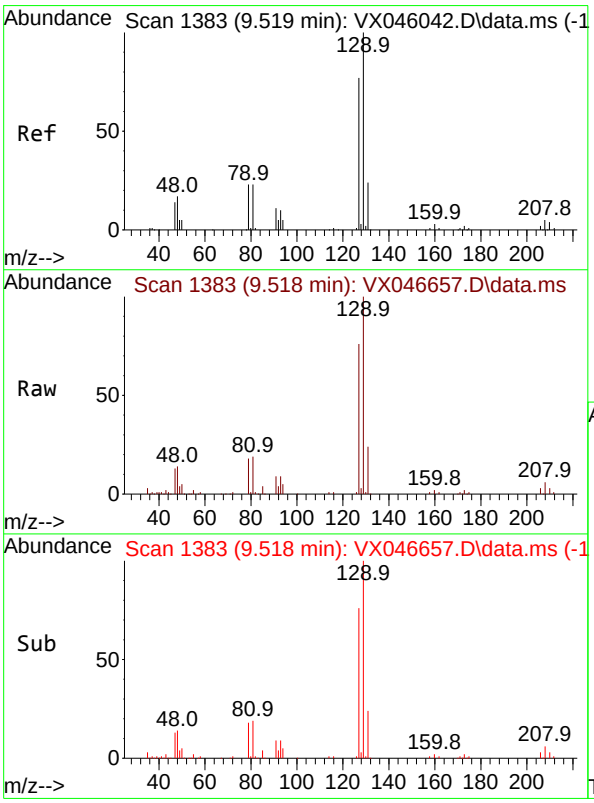
Ion	Ratio	Lower	Upper
43	100		
58	53.5	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

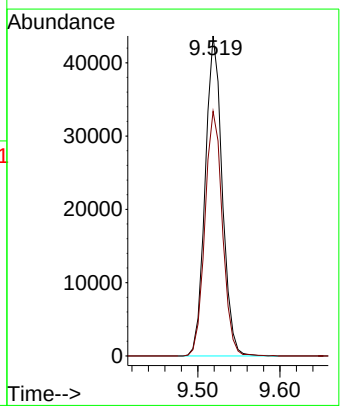
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

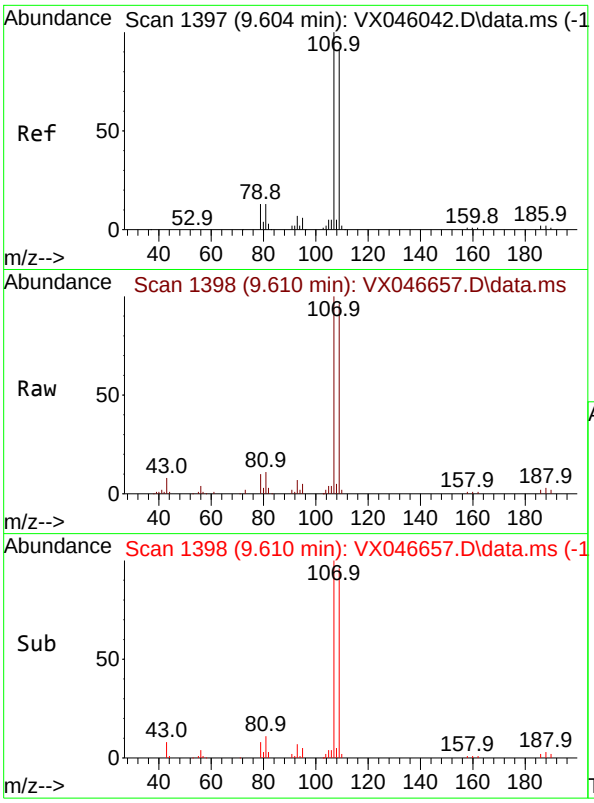


#60
Dibromochloromethane
Concen: 58.299 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:129 Resp: 62722

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8

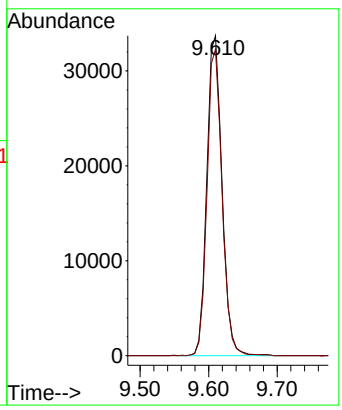




#61
1,2-Dibromoethane
Concen: 54.621 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:107 Resp: 5206

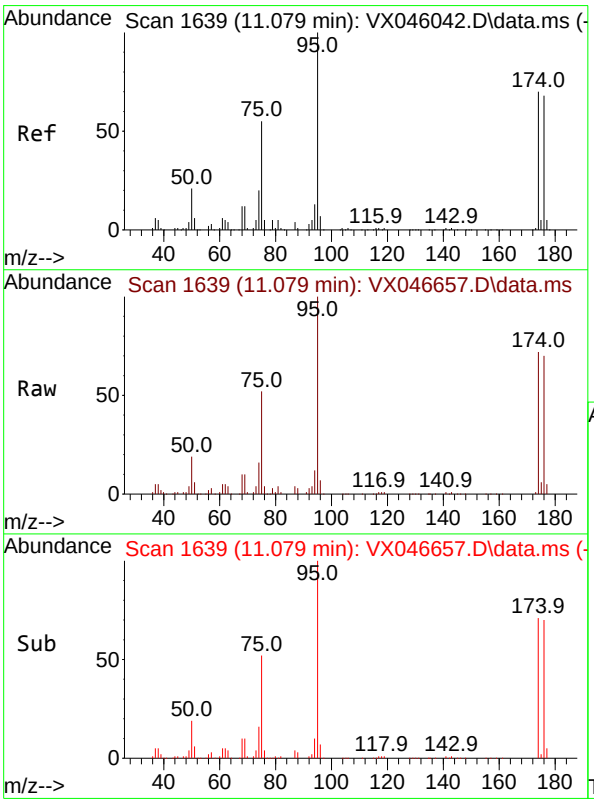
Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

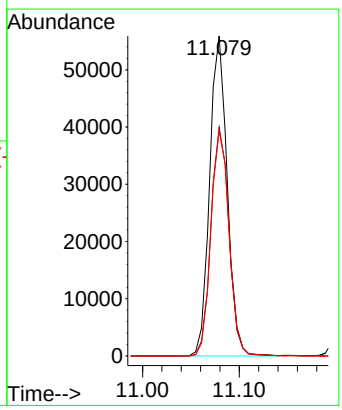
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

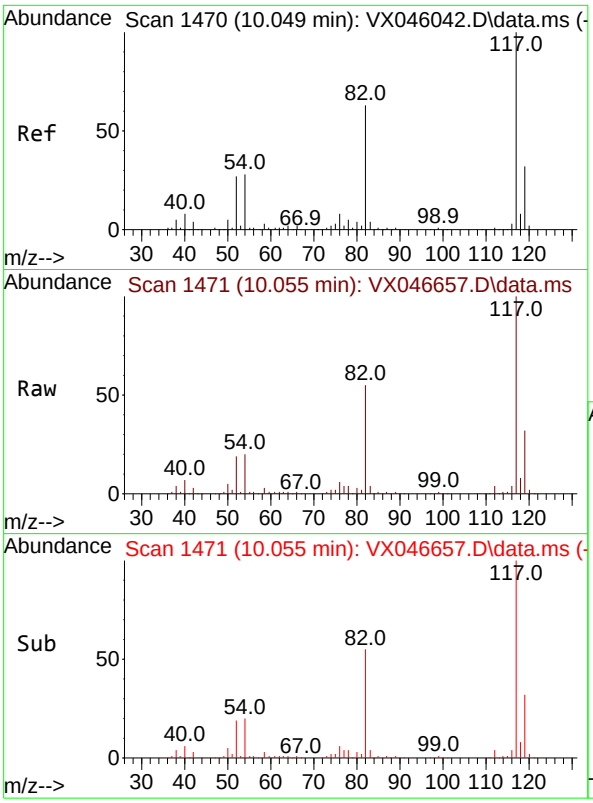


#62
4-Bromofluorobenzene
Concen: 55.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 95 Resp: 70345

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	135.8
176	72.6	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

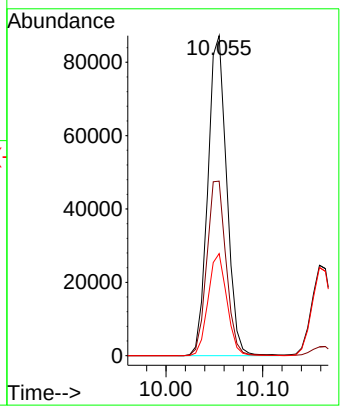
Tgt Ion:117 Resp: 11810

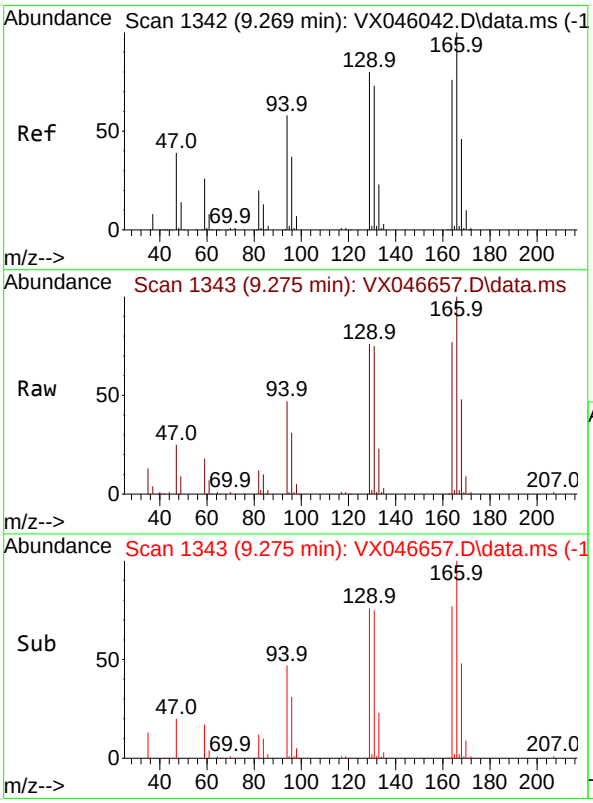
Ion	Ratio	Lower	Upper
117	100		
82	54.6	50.6	76.0
119	31.9	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

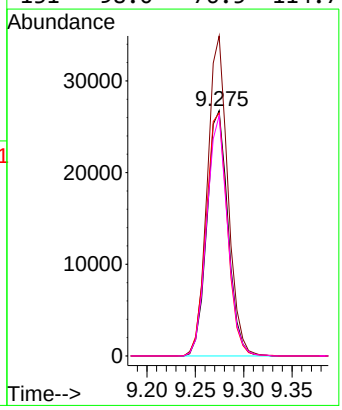


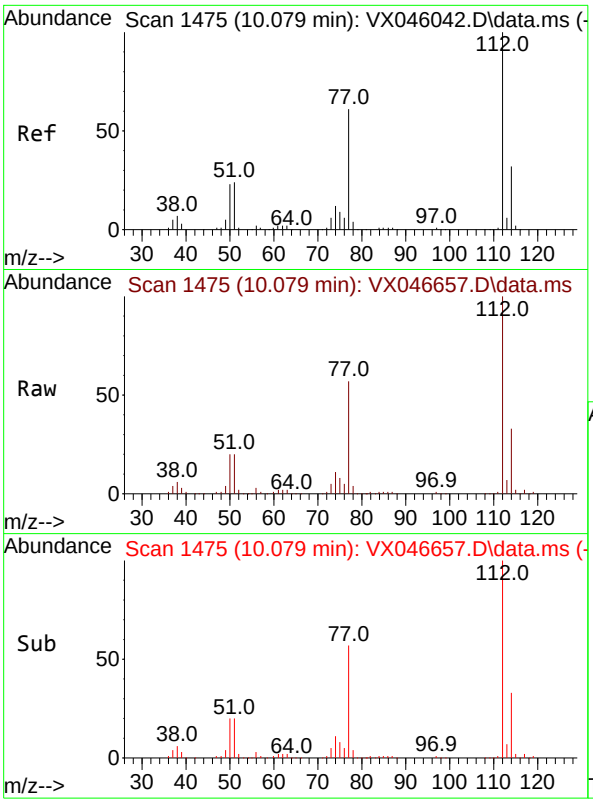


#64
Tetrachloroethene
Concen: 51.184 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:164 Resp: 40422

Ion	Ratio	Lower	Upper
164	100		
166	130.5	105.0	157.6
129	99.1	83.5	125.3
131	98.0	76.5	114.7

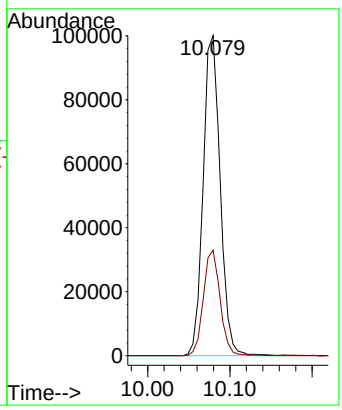




#65
Chlorobenzene
Concen: 51.968 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:112 Resp: 14434

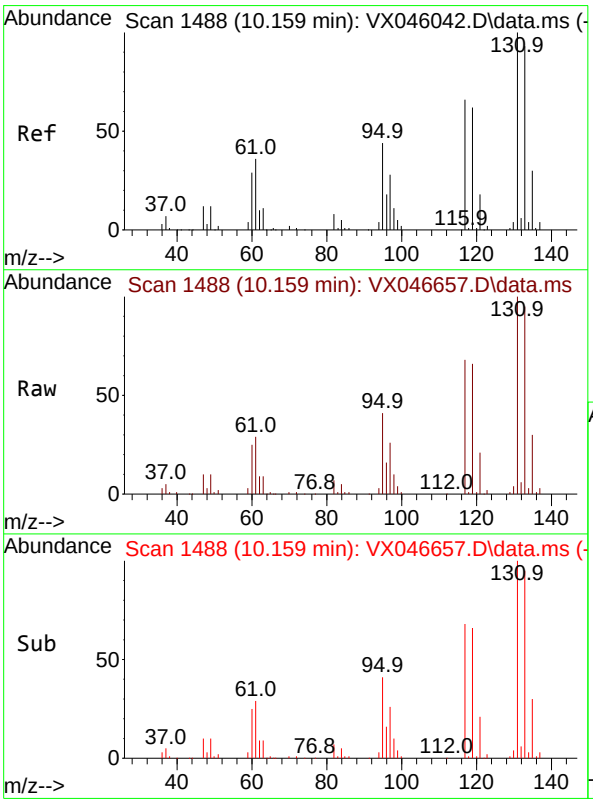
Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

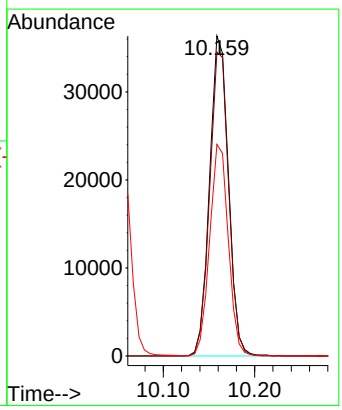
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

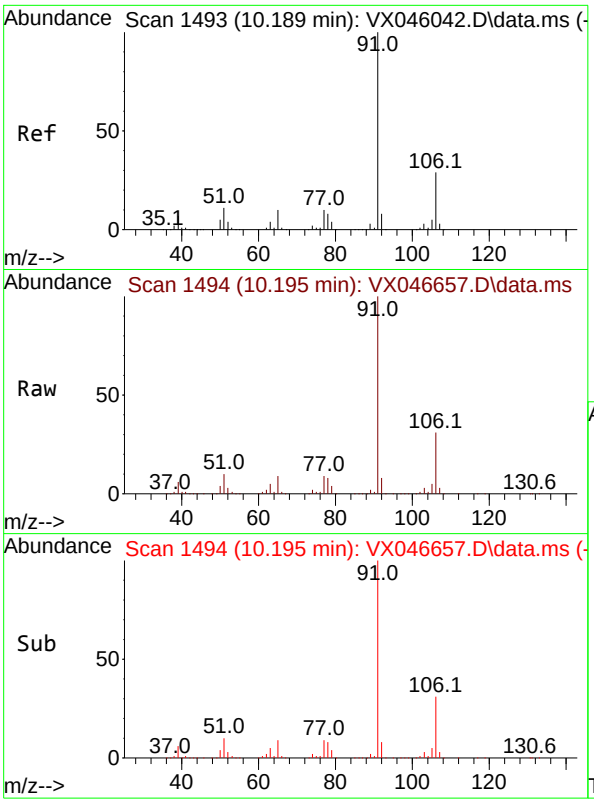


#66
1,1,1,2-Tetrachloroethane
Concen: 55.422 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:131 Resp: 52019

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	65.3	31.6	95.0

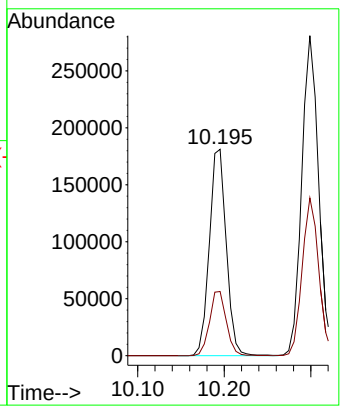




#67
Ethyl Benzene
Concen: 50.760 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 91 Resp: 24613

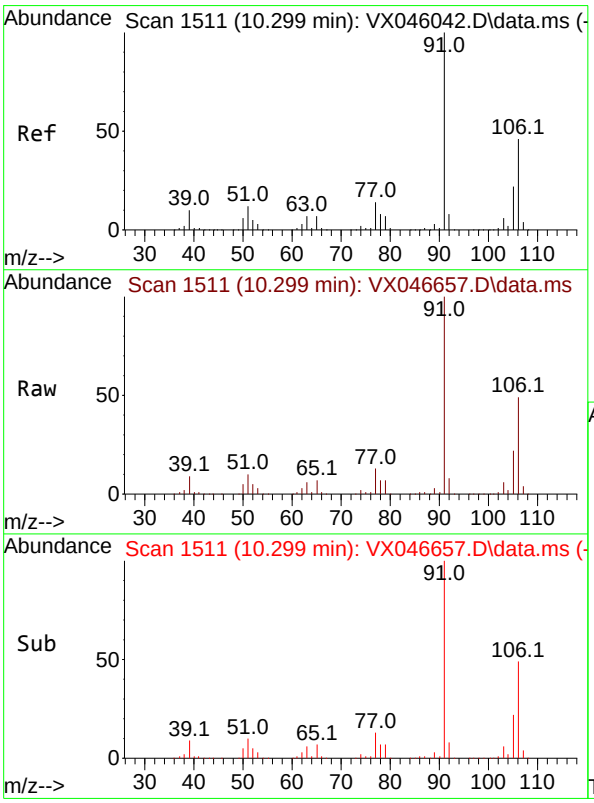
Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

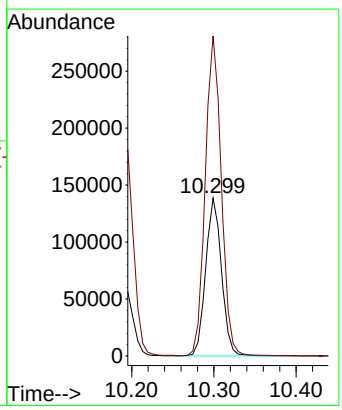
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

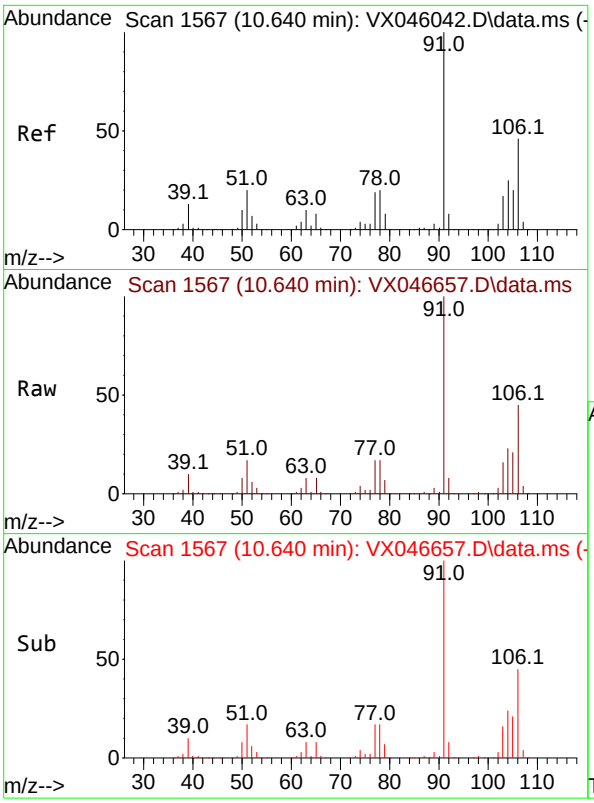


#68
m/p-Xylenes
Concen: 105.170 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:106 Resp: 184992

Ion	Ratio	Lower	Upper
106	100		
91	206.1	171.2	256.8

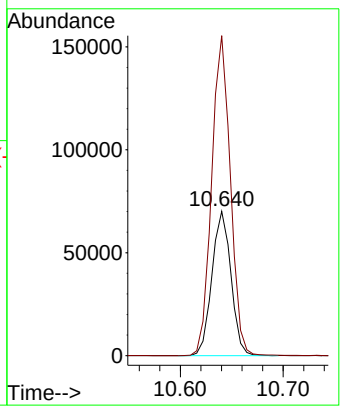




#69
o-Xylene
Concen: 53.091 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:106 Resp: 9032

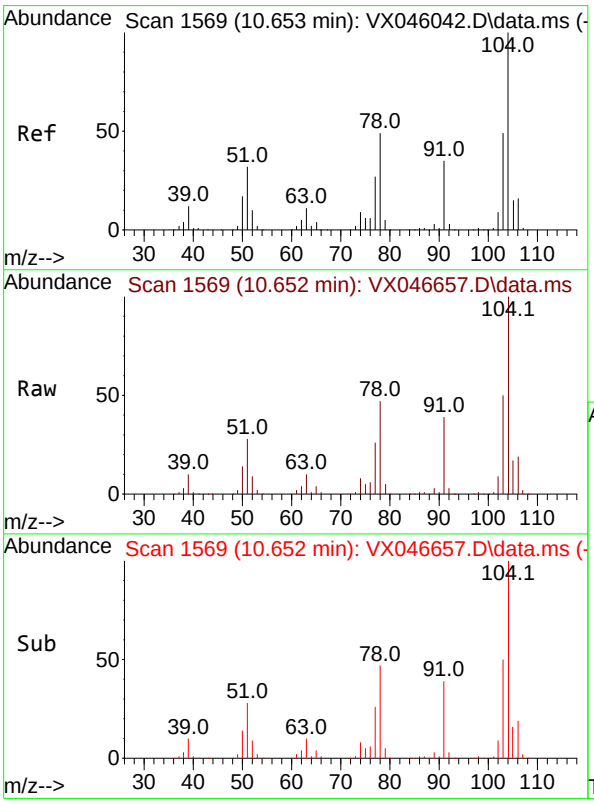
Ion	Ratio	Lower	Upper
106	100		
91	218.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

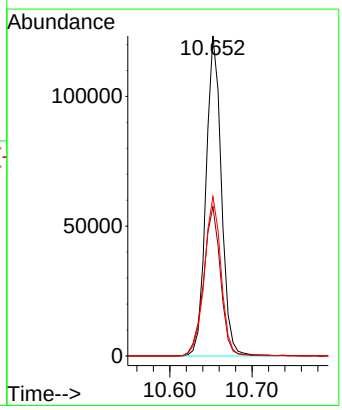
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

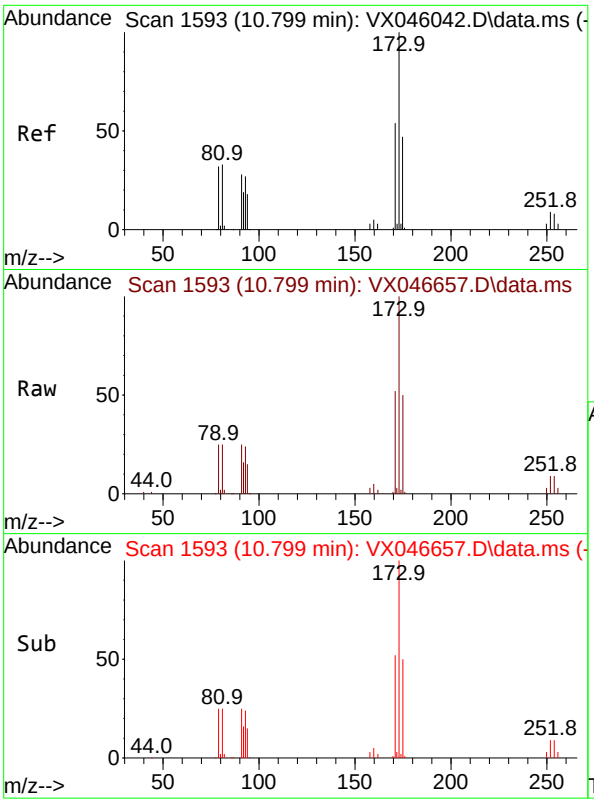


#70
Styrene
Concen: 55.006 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:104 Resp: 160199

Ion	Ratio	Lower	Upper
104	100		
78	51.4	45.7	68.5
103	54.2	43.7	65.5

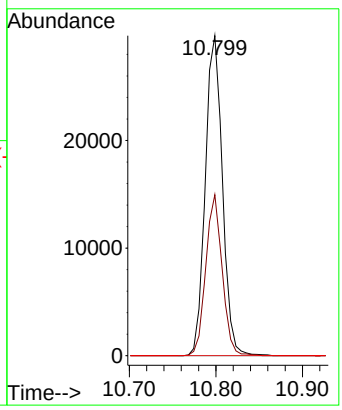




#71
Bromoform
Concen: 57.113 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:173 Resp: 4087

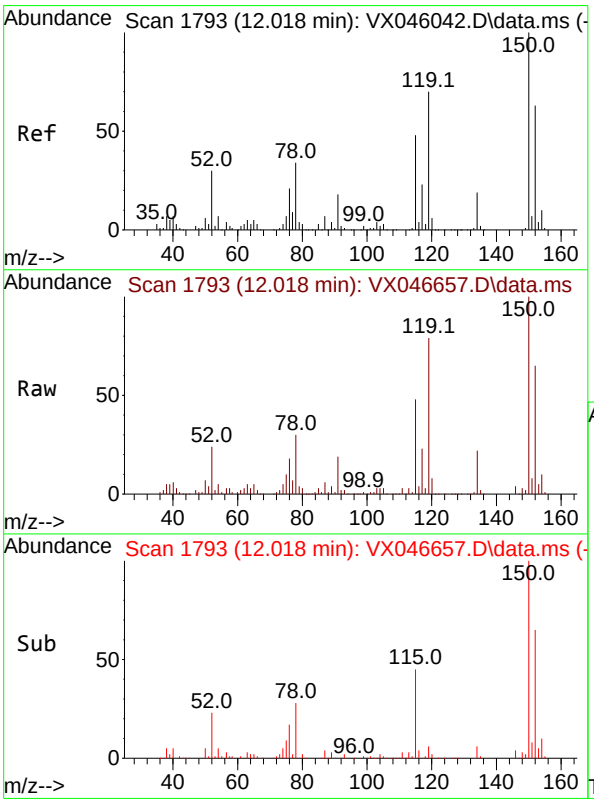
Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

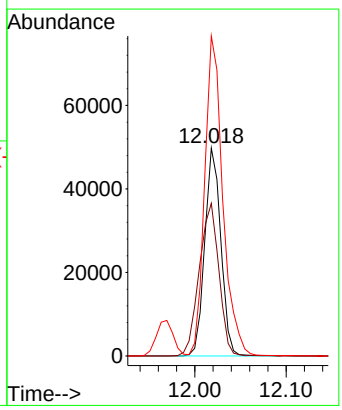
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

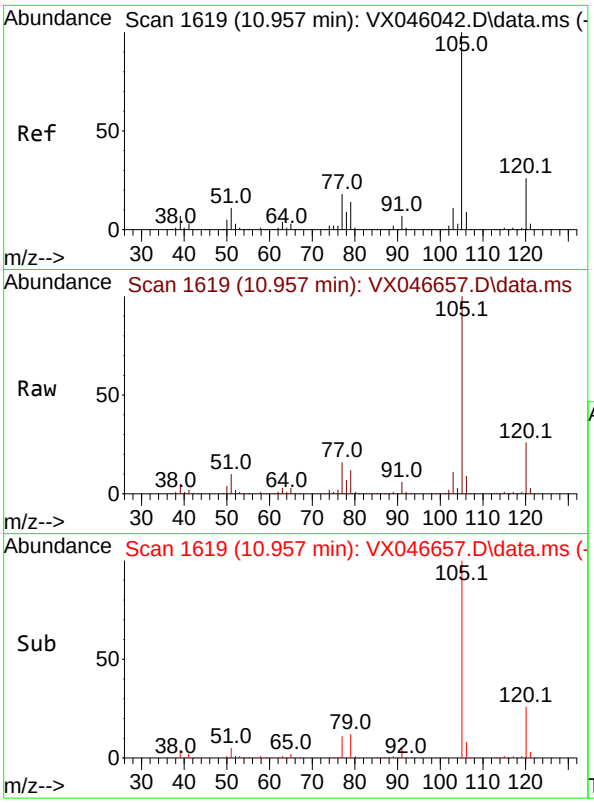


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:152 Resp: 60636

Ion	Ratio	Lower	Upper
152	100		
115	90.0	46.9	140.7
150	173.0	0.0	351.0

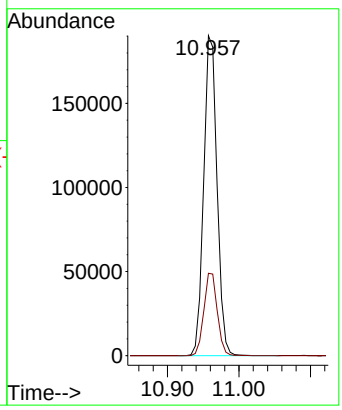




#73
Isopropylbenzene
Concen: 51.704 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:105 Resp: 24645

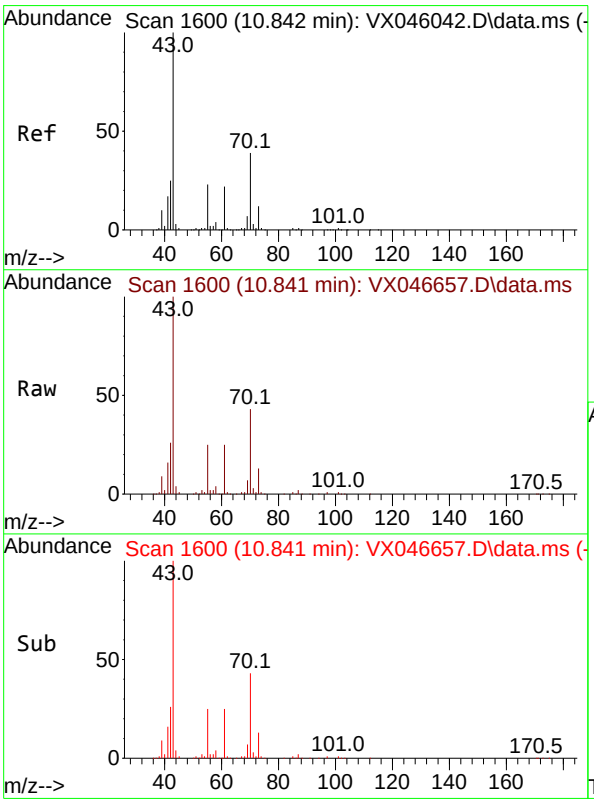
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

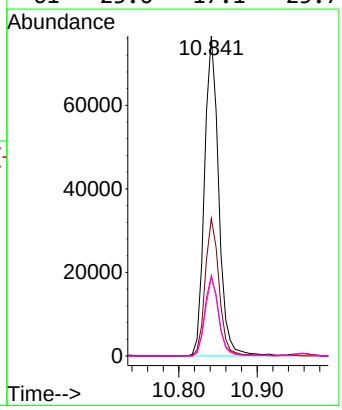
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

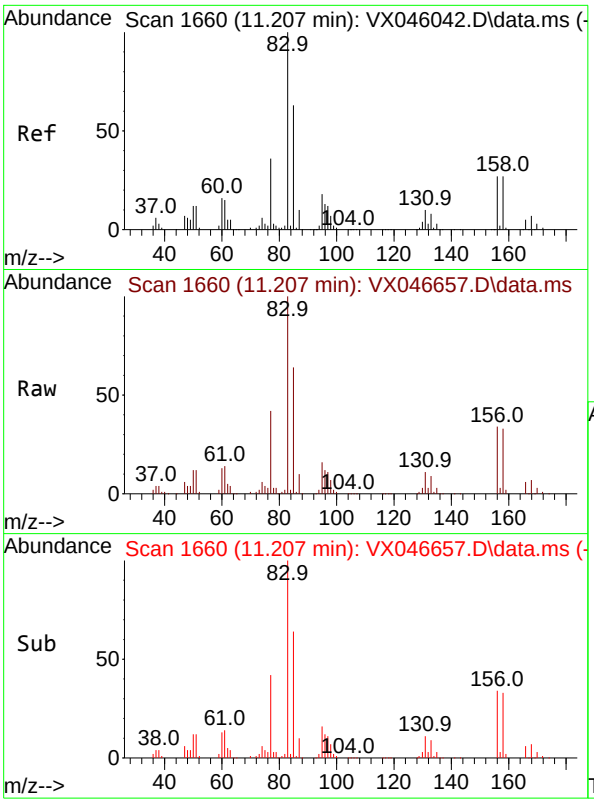


#74
N-amyl acetate
Concen: 45.978 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 43 Resp: 96513

Ion	Ratio	Lower	Upper
43	100		
70	42.1	30.9	46.3
55	24.6	18.7	28.1
61	23.6	17.1	25.7

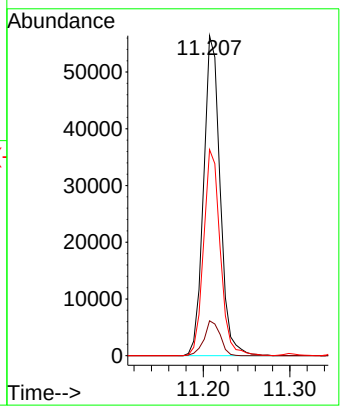




#75
1,1,2,2-Tetrachloroethane
Concen: 48.967 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 83 Resp: 7471

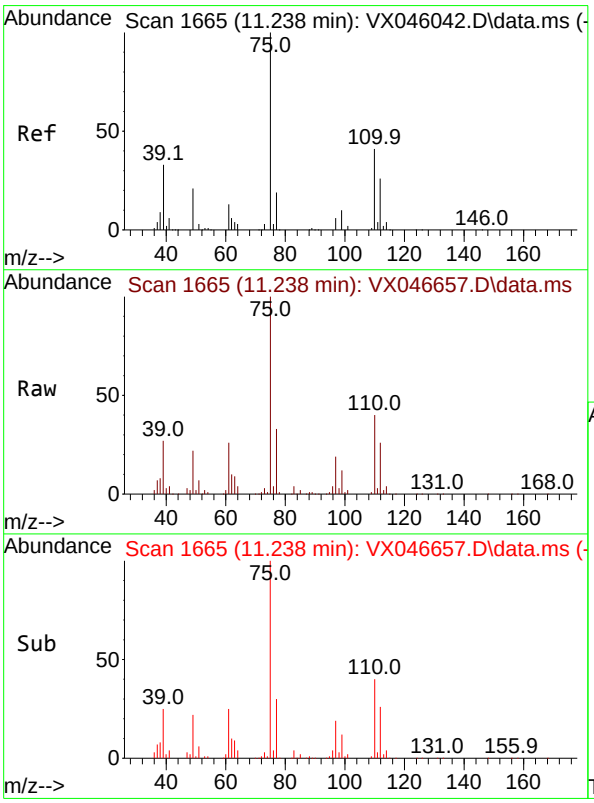
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	14.9
85	64.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

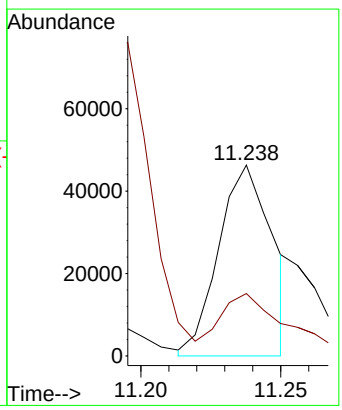
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

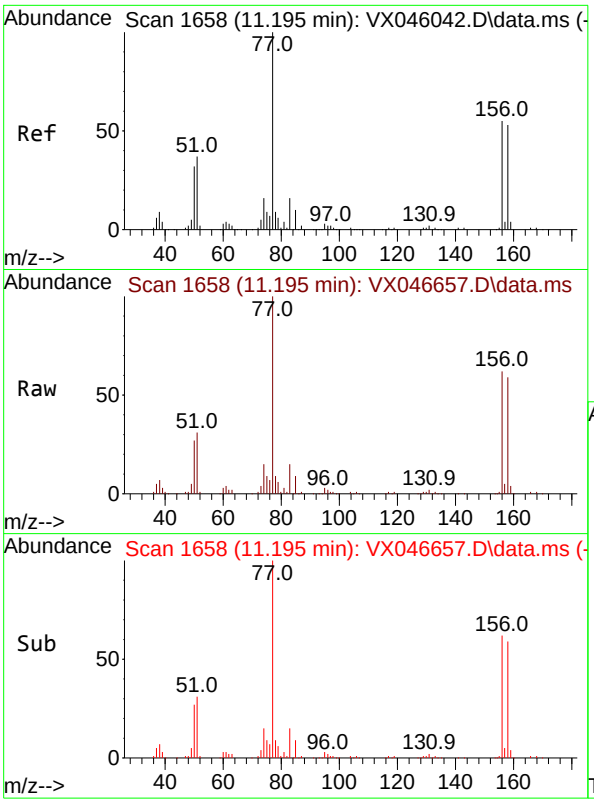


#76
1,2,3-Trichloropropane
Concen: 47.929 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 61557

Ion	Ratio	Lower	Upper
75	100		
77	41.5	20.5	61.5

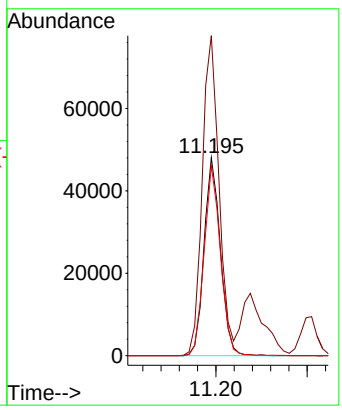




#77
Bromobenzene
Concen: 53.732 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:156 Resp: 5944

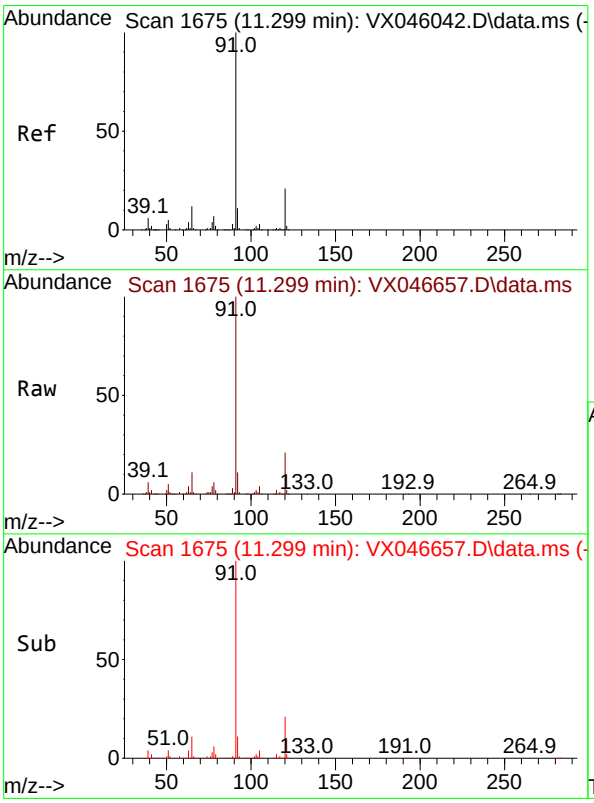
Ion	Ratio	Lower	Upper
156	100		
77	165.6	92.8	278.3
158	95.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

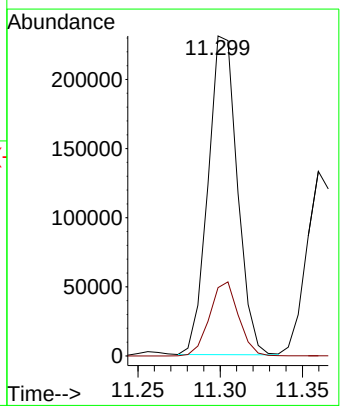
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

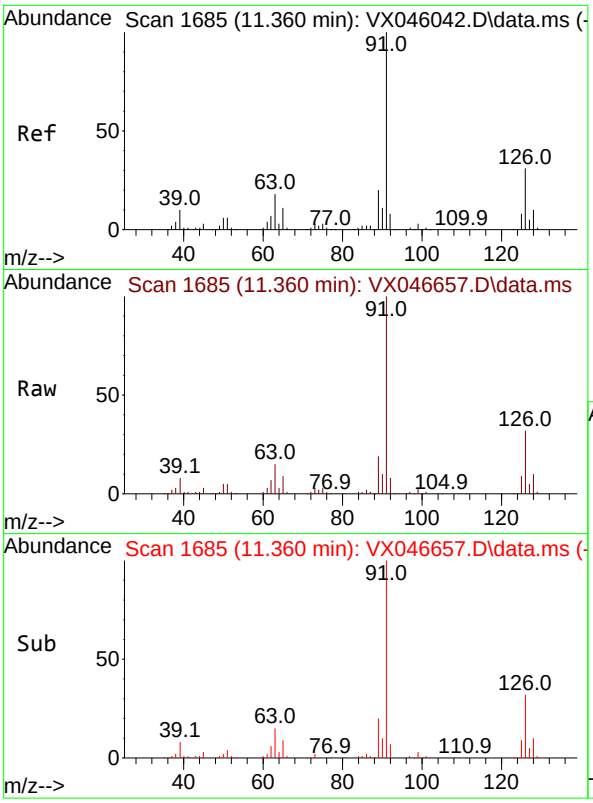


#78
n-propylbenzene
Concen: 49.576 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 91 Resp: 286022

Ion	Ratio	Lower	Upper
91	100		
120	23.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 48.694 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

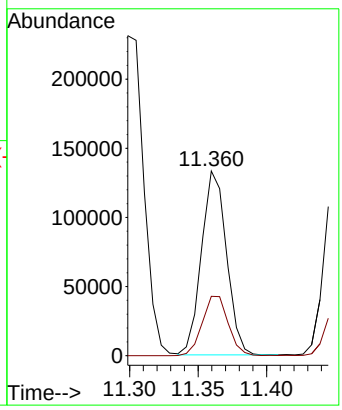
Tgt Ion: 91 Resp: 16941

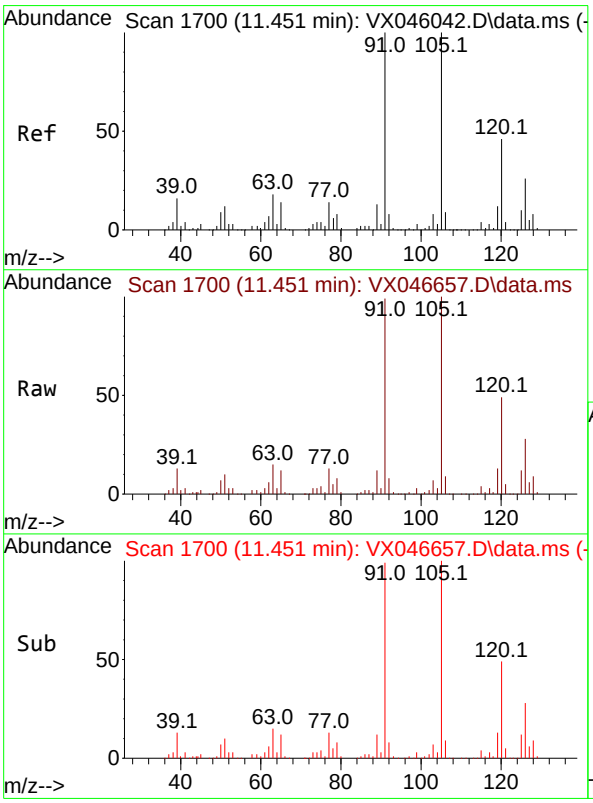
Ion	Ratio	Lower	Upper
91	100		
126	33.6	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

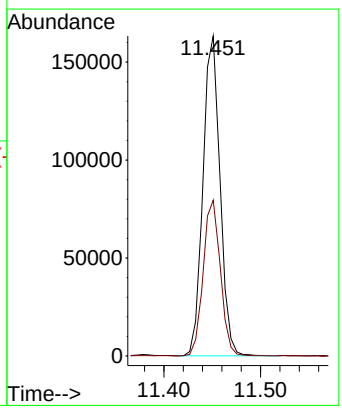


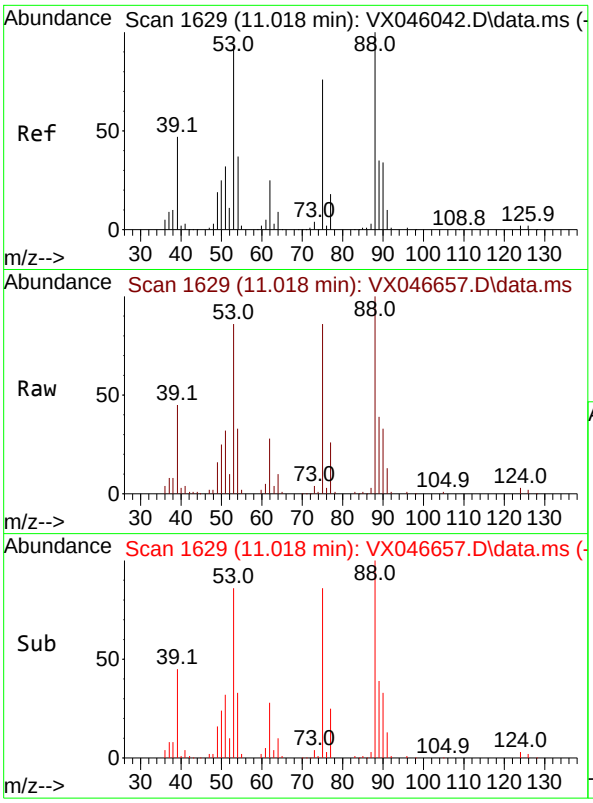


#80
1,3,5-Trimethylbenzene
Concen: 50.550 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:105 Resp: 200783

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.1	69.2

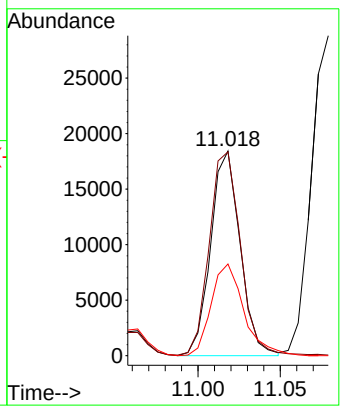




#81
trans-1,4-Dichloro-2-butene
Concen: 51.617 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 2298

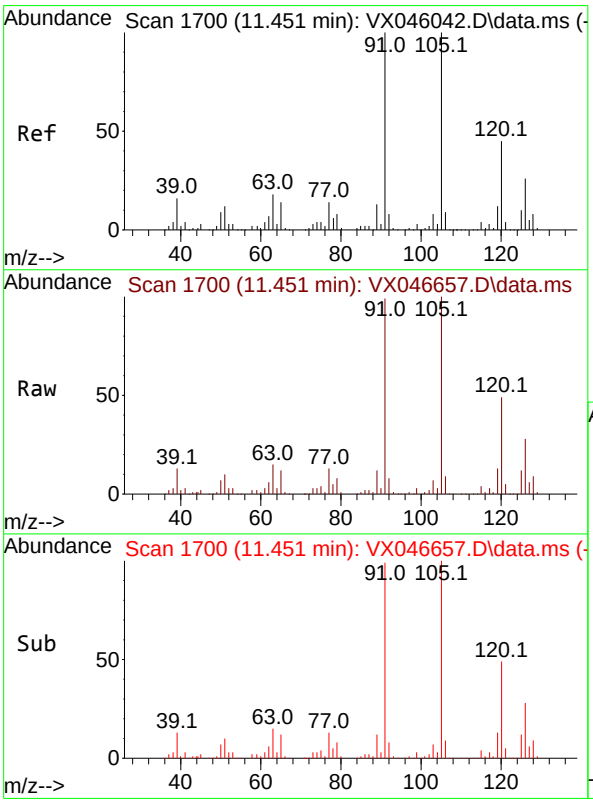
Ion	Ratio	Lower	Upper
75	100		
53	105.5	100.5	150.7
89	49.8	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

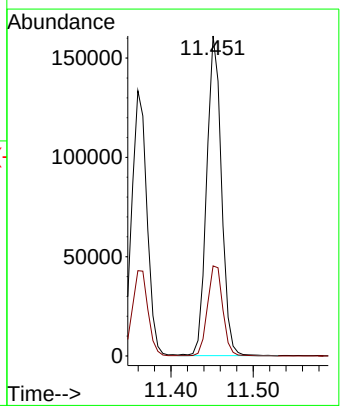
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

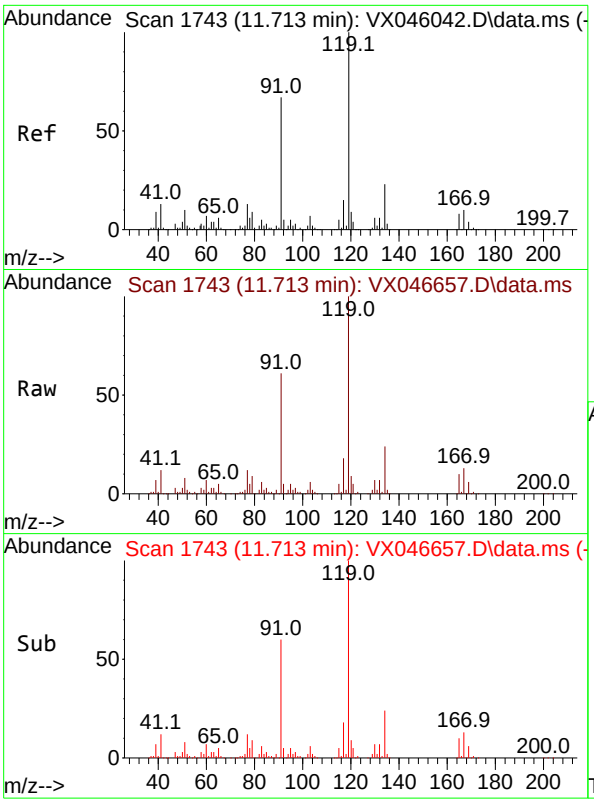


#82
4-Chlorotoluene
Concen: 48.737 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 91 Resp: 200979

Ion	Ratio	Lower	Upper
91	100		
126	29.1	13.3	39.8

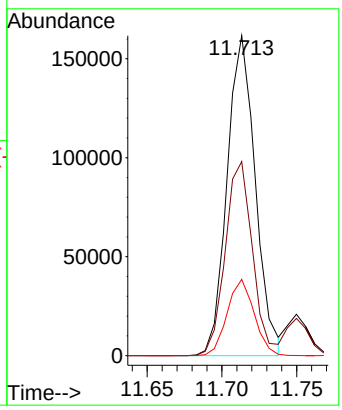




#83
tert-Butylbenzene
Concen: 52.499 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:119 Resp: 21227

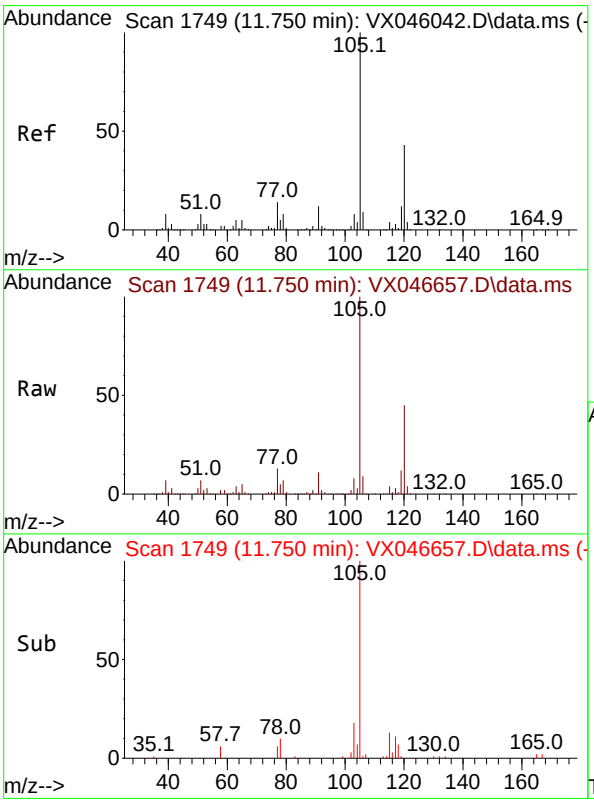
Ion	Ratio	Lower	Upper
119	100		
91	58.8	32.9	98.7
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

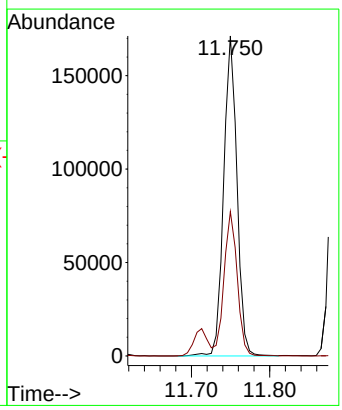
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

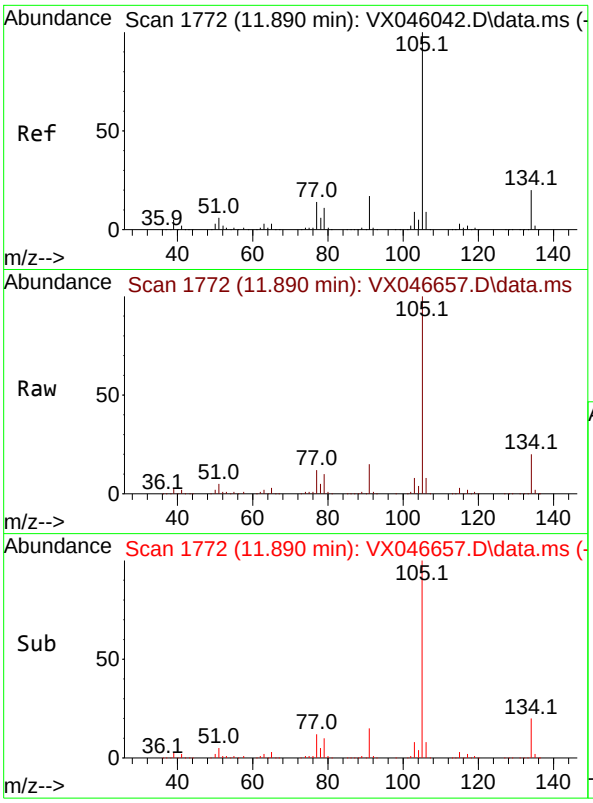


#84
1,2,4-Trimethylbenzene
Concen: 50.441 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:105 Resp: 202682

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.2	63.6

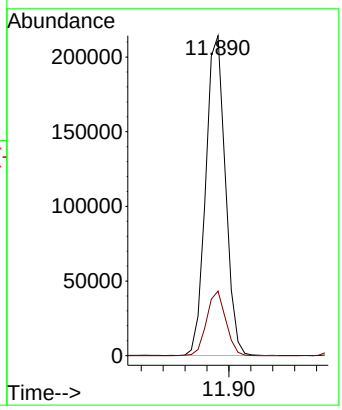




#85
sec-Butylbenzene
Concen: 51.245 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:105 Resp: 26624

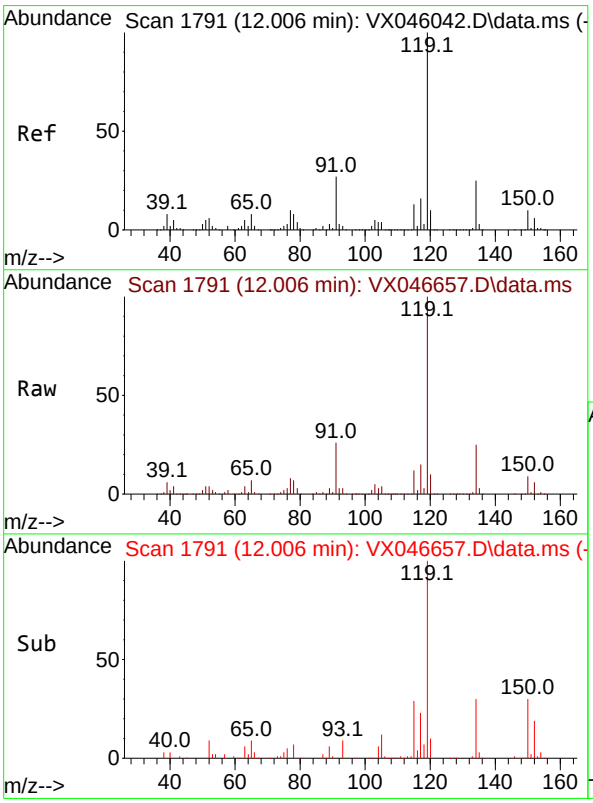
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

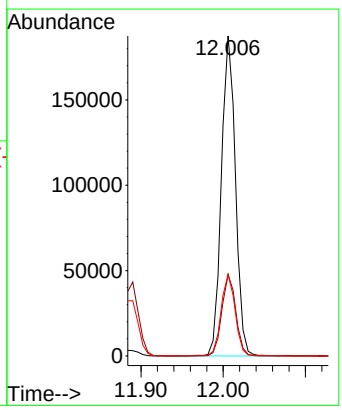
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

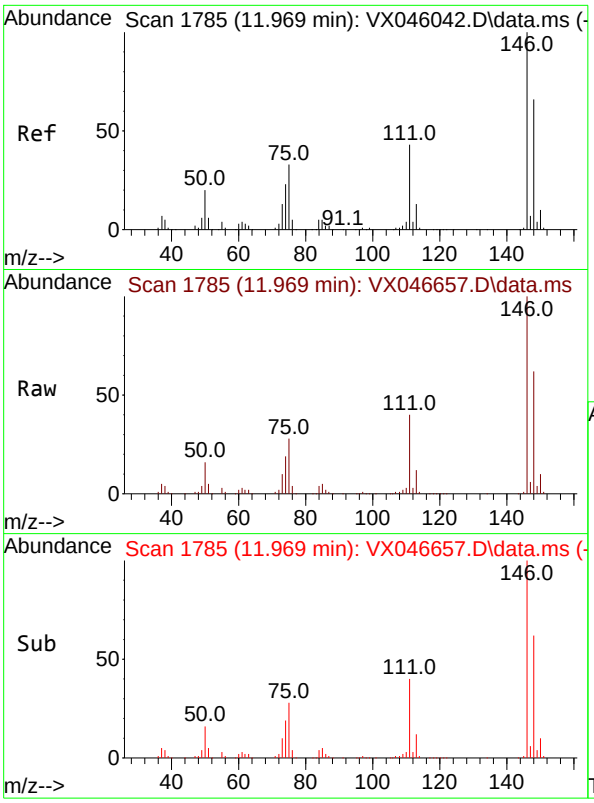


#86
p-Isopropyltoluene
Concen: 51.432 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:119 Resp: 222767

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	25.4	13.8	41.4

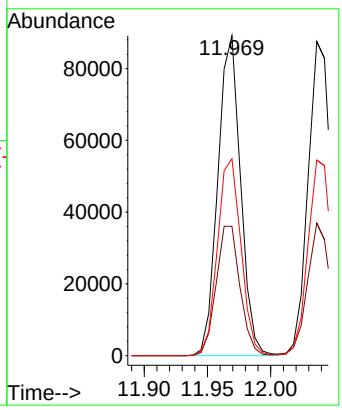




#87
1,3-Dichlorobenzene
Concen: 51.930 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:146 Resp: 11156

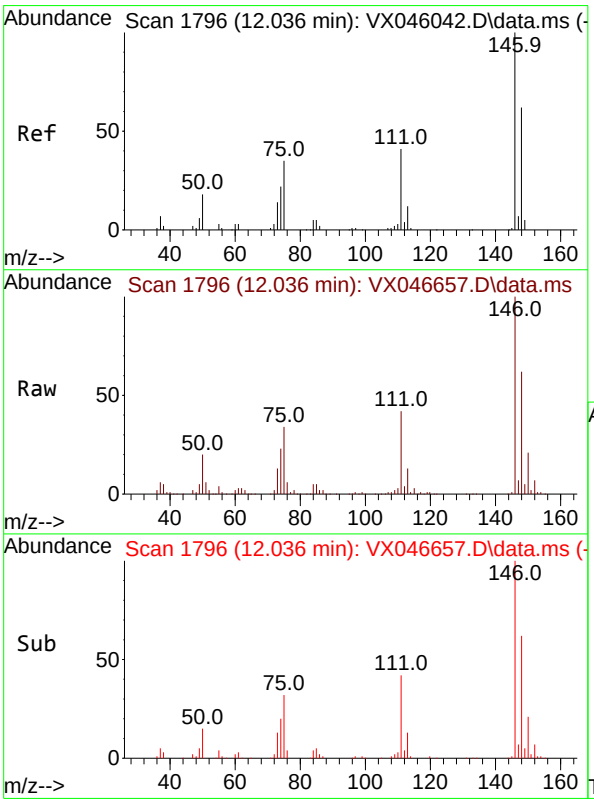
Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.1	66.3
148	63.7	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

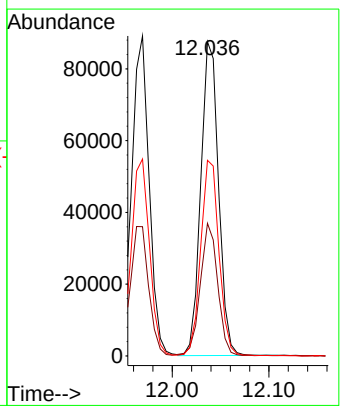
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

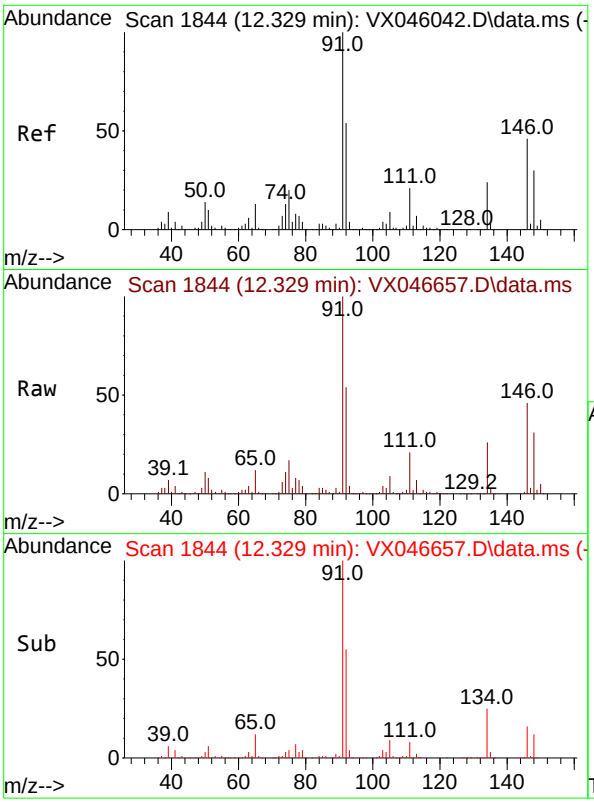


#88
1,4-Dichlorobenzene
Concen: 50.254 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:146 Resp: 111874

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	64.5	31.9	95.5

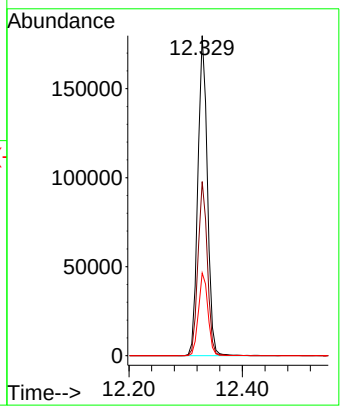




#89
n-Butylbenzene
Concen: 49.127 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 91 Resp: 20896

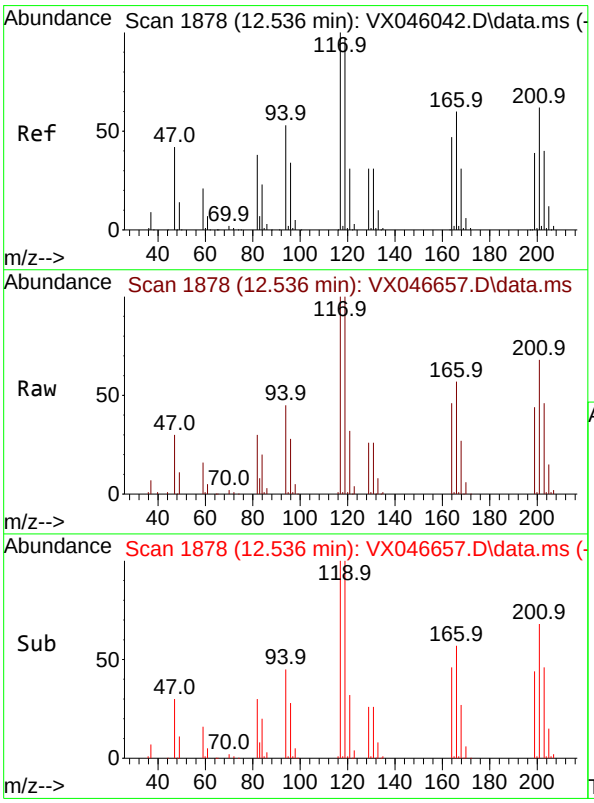
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	25.7	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

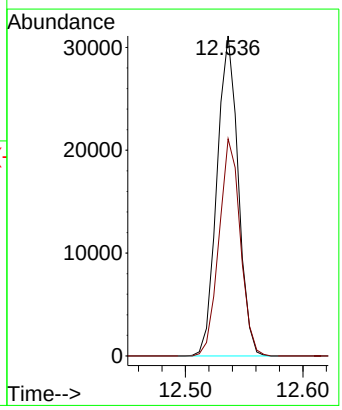
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

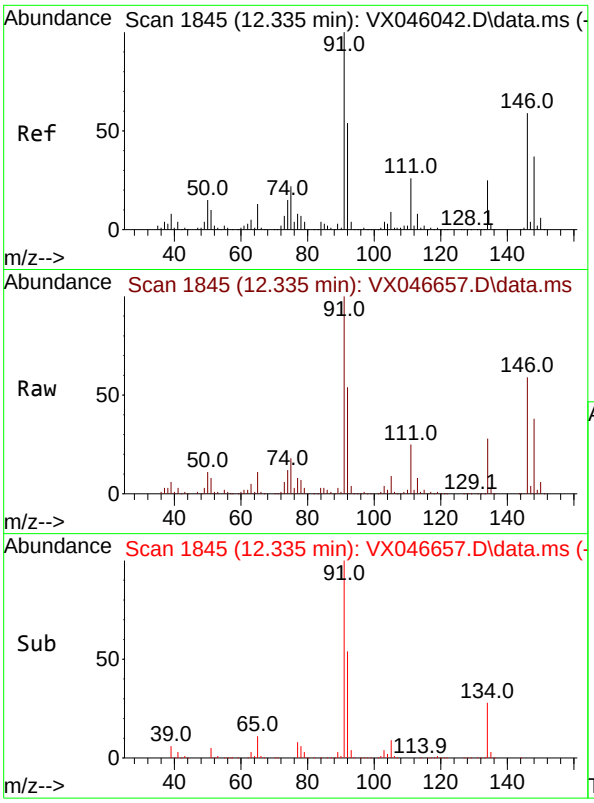


#90
Hexachloroethane
Concen: 50.726 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:117 Resp: 39050

Ion	Ratio	Lower	Upper
117	100		
201	68.3	31.6	94.7

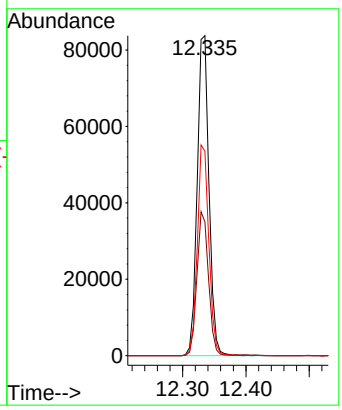




#91
1,2-Dichlorobenzene
Concen: 52.528 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:146 Resp: 10893

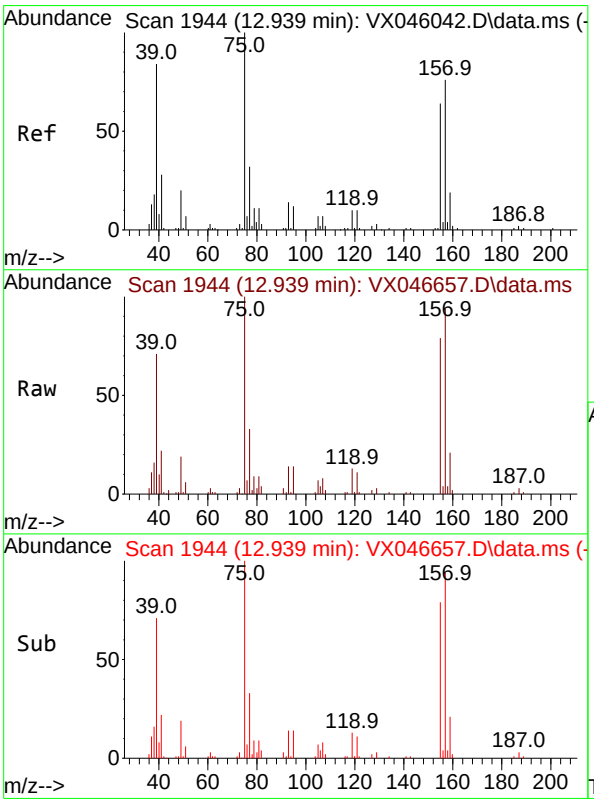
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.4	67.3
148	64.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

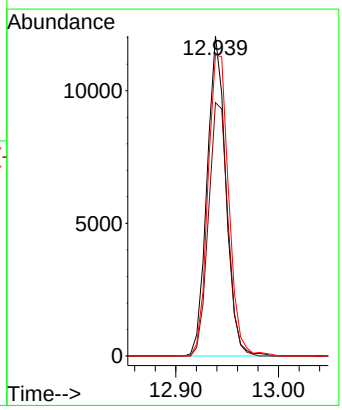
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

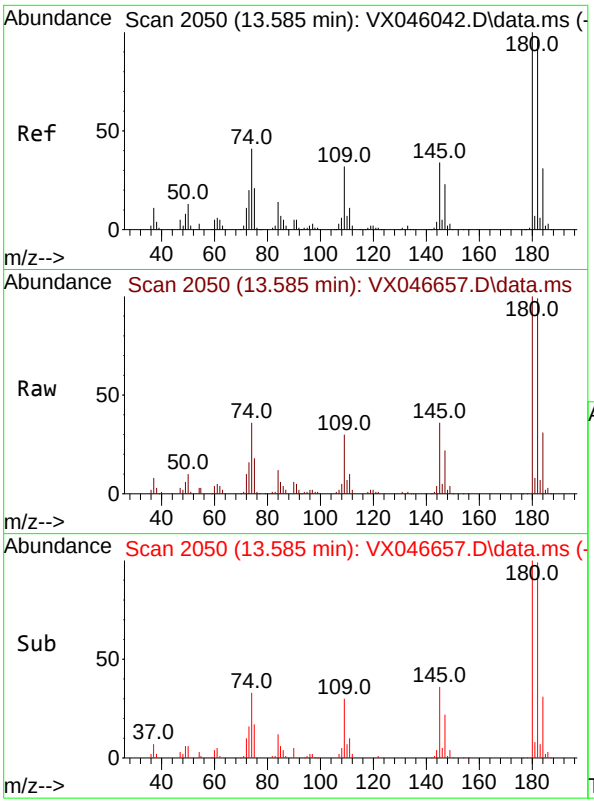


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.981 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion: 75 Resp: 15368

Ion	Ratio	Lower	Upper
75	100		
155	81.7	34.9	104.8
157	103.6	43.8	131.4

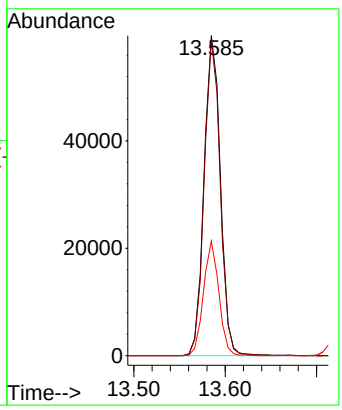




#93
1,2,4-Trichlorobenzene
Concen: 52.400 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:180 Resp: 7412

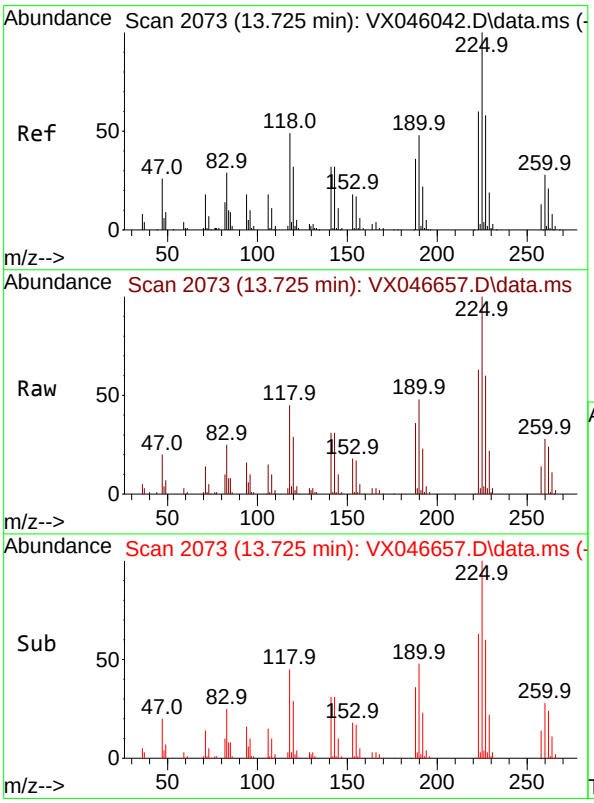
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	33.7	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

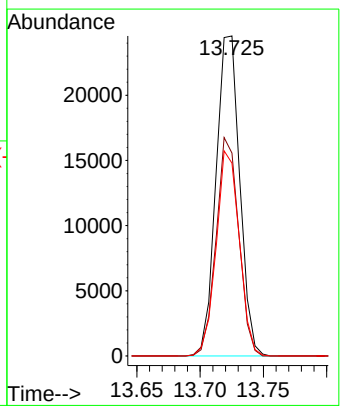
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

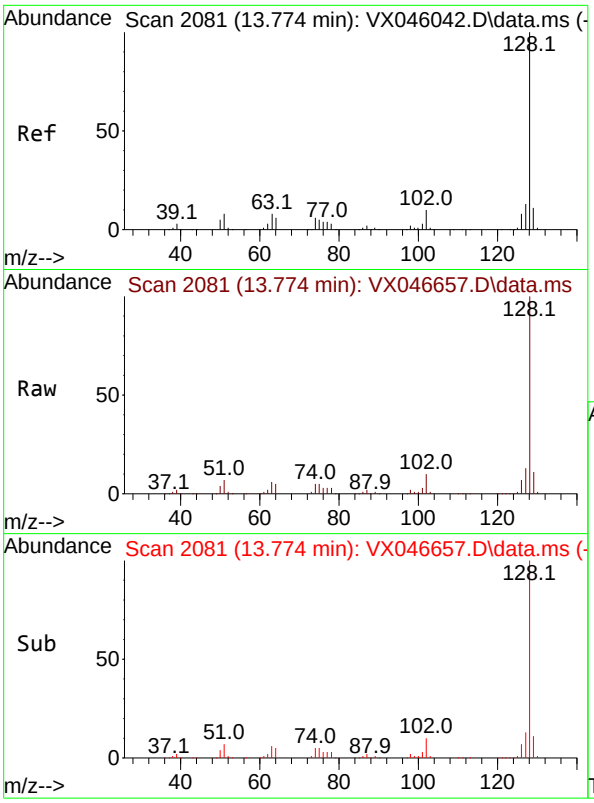


#94
Hexachlorobutadiene
Concen: 48.574 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:225 Resp: 31934

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.4
227	62.6	30.9	92.7

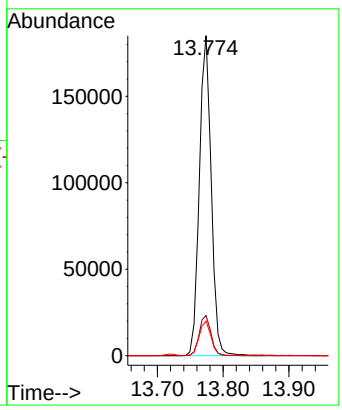




#95
Naphthalene
Concen: 51.726 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:128 Resp: 23205

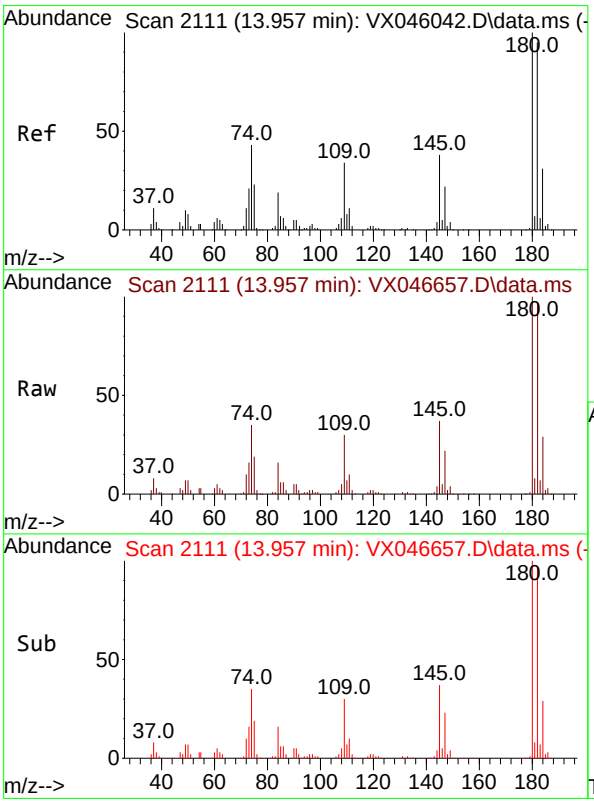
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

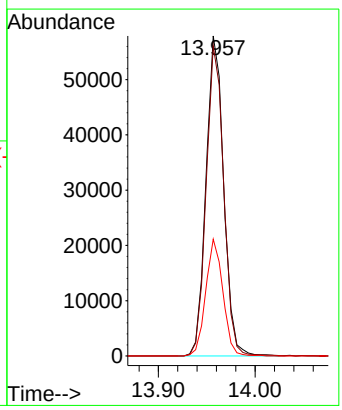
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.724 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046657.D
Acq: 12 Jun 2025 10:11

Tgt Ion:180 Resp: 73372

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	35.5	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	92	-0.01
2	T	Dichlorodifluoromethane	0.694	0.581	16.3	83	0.00
3	P	Chloromethane	0.632	0.492	22.2	79	0.00
4	C	Vinyl Chloride	0.630	0.498	21.0#	77	0.00
5	T	Bromomethane	0.382	0.280	26.7#	64	0.00
6	T	Chloroethane	0.409	0.289	29.3#	71	0.00
7	T	Trichlorofluoromethane	1.042	0.898	13.8	81	0.00
8	T	Diethyl Ether	0.368	0.324	12.0	83	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.657	0.632	3.8	91	0.00
10	T	Methyl Iodide	0.712	0.601	15.6	77	0.00
11	T	Tert butyl alcohol	0.099	0.076	23.2	71	0.00
12	CM	1,1-Dichloroethene	0.594	0.579	2.5#	94	0.00
13	T	Acrolein	0.103	0.151	-46.6#	123	0.00
14	T	Allyl chloride	1.166	1.030	11.7	84	0.00
15	T	Acrylonitrile	0.373	0.335	10.2	81	-0.01
16	T	Acetone	0.381	0.299	21.5	81	0.00
17	T	Carbon Disulfide	1.481	1.119	24.4	84	0.00
18	T	Methyl Acetate	1.060	0.979	7.6	79	0.00
19	T	Methyl tert-butyl Ether	2.077	2.026	2.5	88	-0.01
20	T	Methylene Chloride	0.714	0.666	6.7	92	0.00
21	T	trans-1,2-Dichloroethene	0.628	0.574	8.6	90	0.00
22	T	Diisopropyl ether	2.298	2.176	5.3	85	-0.01
23	T	Vinyl Acetate	1.775	1.638	7.7	82	0.00
24	P	1,1-Dichloroethane	1.281	1.183	7.7	86	0.00
25	T	2-Butanone	0.495	0.394	20.4	72	-0.01
26	T	2,2-Dichloropropane	0.951	0.937	1.5	89	0.00
27	T	cis-1,2-Dichloroethene	0.773	0.764	1.2	94	0.00
28	T	Bromochloromethane	0.611	0.528	13.6	82	-0.01
29	T	Tetrahydrofuran	0.313	0.253	19.2	74	-0.01
30	C	Chloroform	1.342	1.269	5.4#	88	0.00
31	T	Cyclohexane	1.034	0.897	13.2	83	0.00
32	T	1,1,1-Trichloroethane	1.148	1.075	6.4	86	0.00
33	S	1,2-Dichloroethane-d4	0.890	0.711	20.1	75	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
35	S	Dibromofluoromethane	0.368	0.434	-17.9	95	-0.01
36	T	1,1-Dichloropropene	0.525	0.506	3.6	84	-0.02
37	T	Ethyl Acetate	0.513	0.516	-0.6	75	-0.01
38	T	Carbon Tetrachloride	0.588	0.606	-3.1	86	-0.01
39	T	Methylcyclohexane	0.620	0.593	4.4	83	0.00
40	TM	Benzene	1.479	1.498	-1.3	84	-0.01
41	T	Methacrylonitrile	0.318	0.308	3.1	77	0.00
42	TM	1,2-Dichloroethane	0.615	0.566	8.0	74	0.00
43	T	Isopropyl Acetate	0.894	0.825	7.7	72	-0.01
44	TM	Trichloroethene	0.376	0.394	-4.8	90	0.00
45	C	1,2-Dichloropropane	0.382	0.395	-3.4#	83	0.00
46	T	Dibromomethane	0.287	0.255	11.1	73	0.00
47	T	Bromodichloromethane	0.590	0.554	6.1	74	0.00
48	T	Methyl methacrylate	0.460	0.367	20.2	61	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	0.006	0.005	16.7	65	-0.01
50	S	Toluene-d8	1.212	1.368	-12.9	92	0.00
51	T	4-Methyl-2-Pentanone	0.568	0.536	5.6	73	0.00
52	CM	Toluene	0.908	1.008	-11.0#	92	0.00
53	T	t-1,3-Dichloropropene	0.529	0.592	-11.9	88	0.00
54	T	cis-1,3-Dichloropropene	0.589	0.620	-5.3	84	0.00
55	T	1,1,2-Trichloroethane	0.365	0.423	-15.9	93	0.00
56	T	Ethyl methacrylate	0.561	0.624	-11.2	86	0.00
57	T	1,3-Dichloropropane	0.644	0.690	-7.1	87	0.00
58	T	2-Chloroethyl Vinyl ether	0.306	0.292	4.6	74	0.00
59	T	2-Hexanone	0.407	0.384	5.7	72	0.00
60	T	Dibromochloromethane	0.429	0.500	-16.6	93	0.00
61	T	1,2-Dibromoethane	0.380	0.415	-9.2	90	0.00
62	S	4-Bromofluorobenzene	0.502	0.561	-11.8	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.334	0.342	-2.4	96	0.00
65	PM	Chlorobenzene	1.176	1.222	-3.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.397	0.440	-10.8	95	0.00
67	C	Ethyl Benzene	2.053	2.084	-1.5#	89	0.00
68	T	m/p-Xylenes	0.745	0.783	-5.1	92	0.00
69	T	o-Xylene	0.720	0.765	-6.3	92	0.00
70	T	Styrene	1.233	1.356	-10.0	93	0.00
71	P	Bromoform	0.303	0.346	-14.2	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.930	4.064	-3.4	92	0.00
74	T	N-amyl acetate	1.731	1.592	8.0	78	0.00
75	P	1,1,2,2-Tetrachloroethane	1.258	1.232	2.1	86	0.00
76	T	1,2,3-Trichloropropane	1.059	1.015	4.2	85	0.00
77	T	Bromobenzene	0.912	0.980	-7.5	98	0.00
78	T	n-propylbenzene	4.757	4.717	0.8	89	0.00
79	T	2-Chlorotoluene	2.869	2.794	2.6	88	0.00
80	T	1,3,5-Trimethylbenzene	3.275	3.311	-1.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	0.367	0.379	-3.3	90	0.00
82	T	4-Chlorotoluene	3.400	3.315	2.5	89	0.00
83	T	tert-Butylbenzene	3.334	3.501	-5.0	94	0.00
84	T	1,2,4-Trimethylbenzene	3.313	3.343	-0.9	90	0.00
85	T	sec-Butylbenzene	4.284	4.391	-2.5	93	0.00
86	T	p-Isopropyltoluene	3.572	3.674	-2.9	93	0.00
87	T	1,3-Dichlorobenzene	1.772	1.840	-3.8	96	0.00
88	T	1,4-Dichlorobenzene	1.836	1.845	-0.5	97	0.00
89	T	n-Butylbenzene	3.507	3.446	1.7	91	0.00
90	T	Hexachloroethane	0.635	0.644	-1.4	93	0.00
91	T	1,2-Dichlorobenzene	1.710	1.797	-5.1	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.282	0.253	10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	1.167	1.223	-4.8	100	0.00
94	T	Hexachlorobutadiene	0.542	0.527	2.8	93	0.00
95	T	Naphthalene	3.699	3.827	-3.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.170	1.210	-3.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	92	-0.01
2	T	Dichlorodifluoromethane	50.000	41.844	16.3	83	0.00
3	P	Chloromethane	50.000	38.898	22.2	79	0.00
4	C	Vinyl Chloride	50.000	39.569	20.9#	77	0.00
5	T	Bromomethane	50.000	36.617	26.8#	64	0.00
6	T	Chloroethane	50.000	35.309	29.4#	71	0.00
7	T	Trichlorofluoromethane	50.000	43.086	13.8	81	0.00
8	T	Diethyl Ether	50.000	44.038	11.9	83	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.132	3.7	91	0.00
10	T	Methyl Iodide	50.000	42.187	15.6	77	0.00
11	T	Tert butyl alcohol	250.000	191.495	23.4	71	0.00
12	CM	1,1-Dichloroethene	50.000	48.736	2.5#	94	0.00
13	T	Acrolein	250.000	308.244	-23.3	123	0.00
14	T	Allyl chloride	50.000	44.168	11.7	84	0.00
15	T	Acrylonitrile	250.000	224.440	10.2	81	-0.01
16	T	Acetone	250.000	214.546	14.2	81	0.00
17	T	Carbon Disulfide	50.000	44.419	11.2	84	0.00
18	T	Methyl Acetate	50.000	46.215	7.6	79	0.00
19	T	Methyl tert-butyl Ether	50.000	48.780	2.4	88	-0.01
20	T	Methylene Chloride	50.000	46.663	6.7	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.648	8.7	90	0.00
22	T	Diisopropyl ether	50.000	47.342	5.3	85	-0.01
23	T	Vinyl Acetate	250.000	230.742	7.7	82	0.00
24	P	1,1-Dichloroethane	50.000	46.174	7.7	86	0.00
25	T	2-Butanone	250.000	198.700	20.5	72	-0.01
26	T	2,2-Dichloropropane	50.000	49.247	1.5	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.368	1.3	94	0.00
28	T	Bromochloromethane	50.000	43.246	13.5	82	-0.01
29	T	Tetrahydrofuran	250.000	202.521	19.0	74	-0.01
30	C	Chloroform	50.000	47.284	5.4#	88	0.00
31	T	Cyclohexane	50.000	43.368	13.3	83	0.00
32	T	1,1,1-Trichloroethane	50.000	46.820	6.4	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	39.968	20.1	75	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	80	0.00
35	S	Dibromofluoromethane	50.000	59.078	-18.2	95	-0.01
36	T	1,1-Dichloropropene	50.000	48.205	3.6	84	-0.02
37	T	Ethyl Acetate	50.000	50.287	-0.6	75	-0.01
38	T	Carbon Tetrachloride	50.000	51.532	-3.1	86	-0.01
39	T	Methylcyclohexane	50.000	47.793	4.4	83	0.00
40	TM	Benzene	50.000	50.668	-1.3	84	-0.01
41	T	Methacrylonitrile	50.000	48.375	3.3	77	0.00
42	TM	1,2-Dichloroethane	50.000	45.968	8.1	74	0.00
43	T	Isopropyl Acetate	50.000	46.166	7.7	72	-0.01
44	TM	Trichloroethene	50.000	52.401	-4.8	90	0.00
45	C	1,2-Dichloropropane	50.000	51.789	-3.6#	83	0.00
46	T	Dibromomethane	50.000	44.374	11.3	73	0.00
47	T	Bromodichloromethane	50.000	46.922	6.2	74	0.00
48	T	Methyl methacrylate	50.000	39.931	20.1	61	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	833.741	16.6	65	-0.01
50	S	Toluene-d8	50.000	56.439	-12.9	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	235.853	5.7	73	0.00
52	CM	Toluene	50.000	55.498	-11.0#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	55.952	-11.9	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.698	-5.4	84	0.00
55	T	1,1,2-Trichloroethane	50.000	58.018	-16.0	93	0.00
56	T	Ethyl methacrylate	50.000	55.570	-11.1	86	0.00
57	T	1,3-Dichloropropane	50.000	53.544	-7.1	87	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	238.457	4.6	74	0.00
59	T	2-Hexanone	250.000	235.732	5.7	72	0.00
60	T	Dibromochloromethane	50.000	58.299	-16.6	93	0.00
61	T	1,2-Dibromoethane	50.000	54.621	-9.2	90	0.00
62	S	4-Bromofluorobenzene	50.000	55.919	-11.8	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	51.184	-2.4	96	0.00
65	PM	Chlorobenzene	50.000	51.968	-3.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.422	-10.8	95	0.00
67	C	Ethyl Benzene	50.000	50.760	-1.5#	89	0.00
68	T	m/p-Xylenes	100.000	105.170	-5.2	92	0.00
69	T	o-Xylene	50.000	53.091	-6.2	92	0.00
70	T	Styrene	50.000	55.006	-10.0	93	0.00
71	P	Bromoform	50.000	57.113	-14.2	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	51.704	-3.4	92	0.00
74	T	N-amyl acetate	50.000	45.978	8.0	78	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.967	2.1	86	0.00
76	T	1,2,3-Trichloropropane	50.000	47.929	4.1	85	0.00
77	T	Bromobenzene	50.000	53.732	-7.5	98	0.00
78	T	n-propylbenzene	50.000	49.576	0.8	89	0.00
79	T	2-Chlorotoluene	50.000	48.694	2.6	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.550	-1.1	90	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.617	-3.2	90	0.00
82	T	4-Chlorotoluene	50.000	48.737	2.5	89	0.00
83	T	tert-Butylbenzene	50.000	52.499	-5.0	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.441	-0.9	90	0.00
85	T	sec-Butylbenzene	50.000	51.245	-2.5	93	0.00
86	T	p-Isopropyltoluene	50.000	51.432	-2.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	51.930	-3.9	96	0.00
88	T	1,4-Dichlorobenzene	50.000	50.254	-0.5	97	0.00
89	T	n-Butylbenzene	50.000	49.127	1.7	91	0.00
90	T	Hexachloroethane	50.000	50.726	-1.5	93	0.00
91	T	1,2-Dichlorobenzene	50.000	52.528	-5.1	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.981	10.0	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.400	-4.8	100	0.00
94	T	Hexachlorobutadiene	50.000	48.574	2.9	93	0.00
95	T	Naphthalene	50.000	51.726	-3.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046657.D
Acq On : 12 Jun 2025 10:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 13 01:40:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 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	51.724	-3.4	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

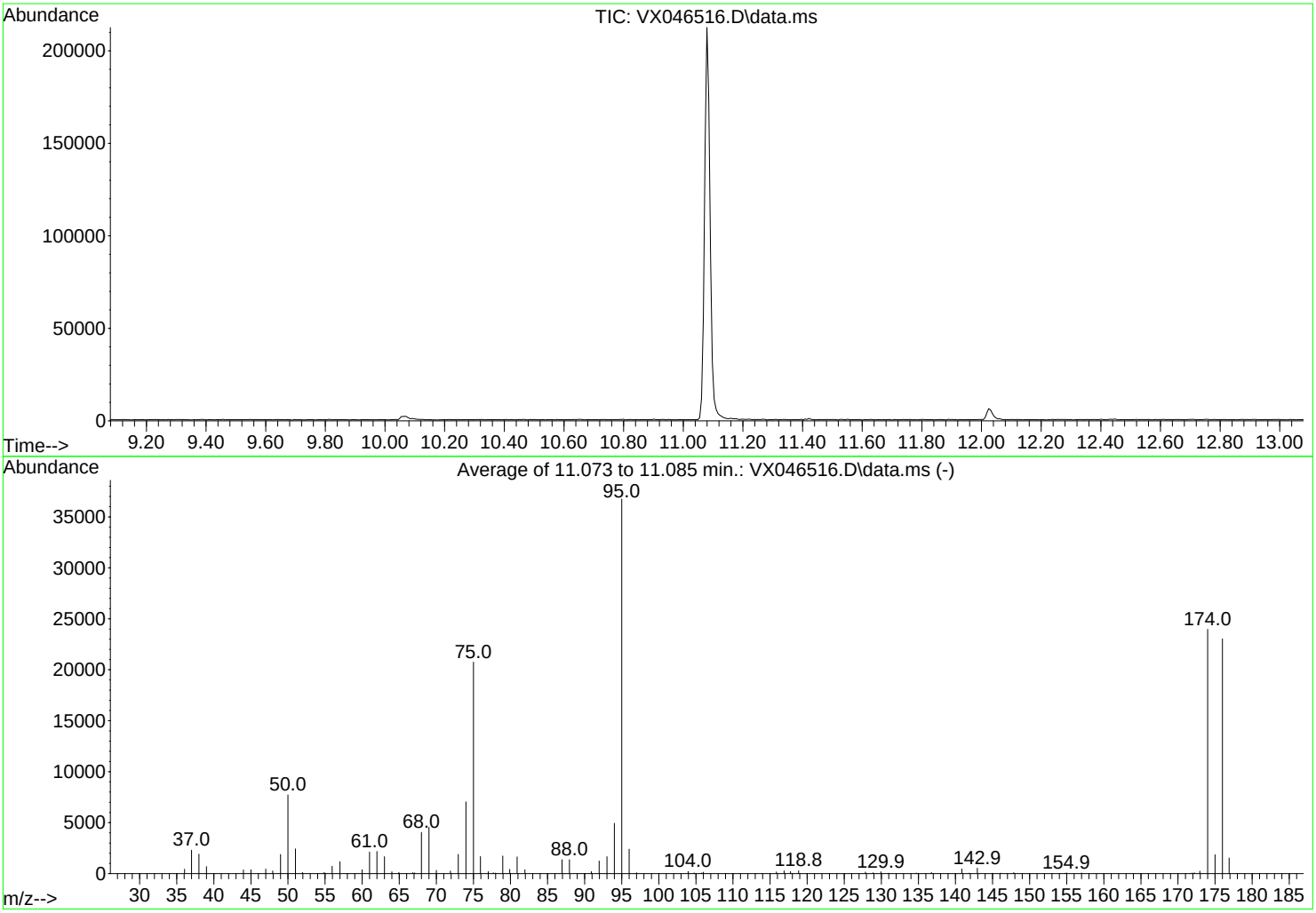
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046516.D
Acq On : 06 Jun 2025 08:47
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\82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

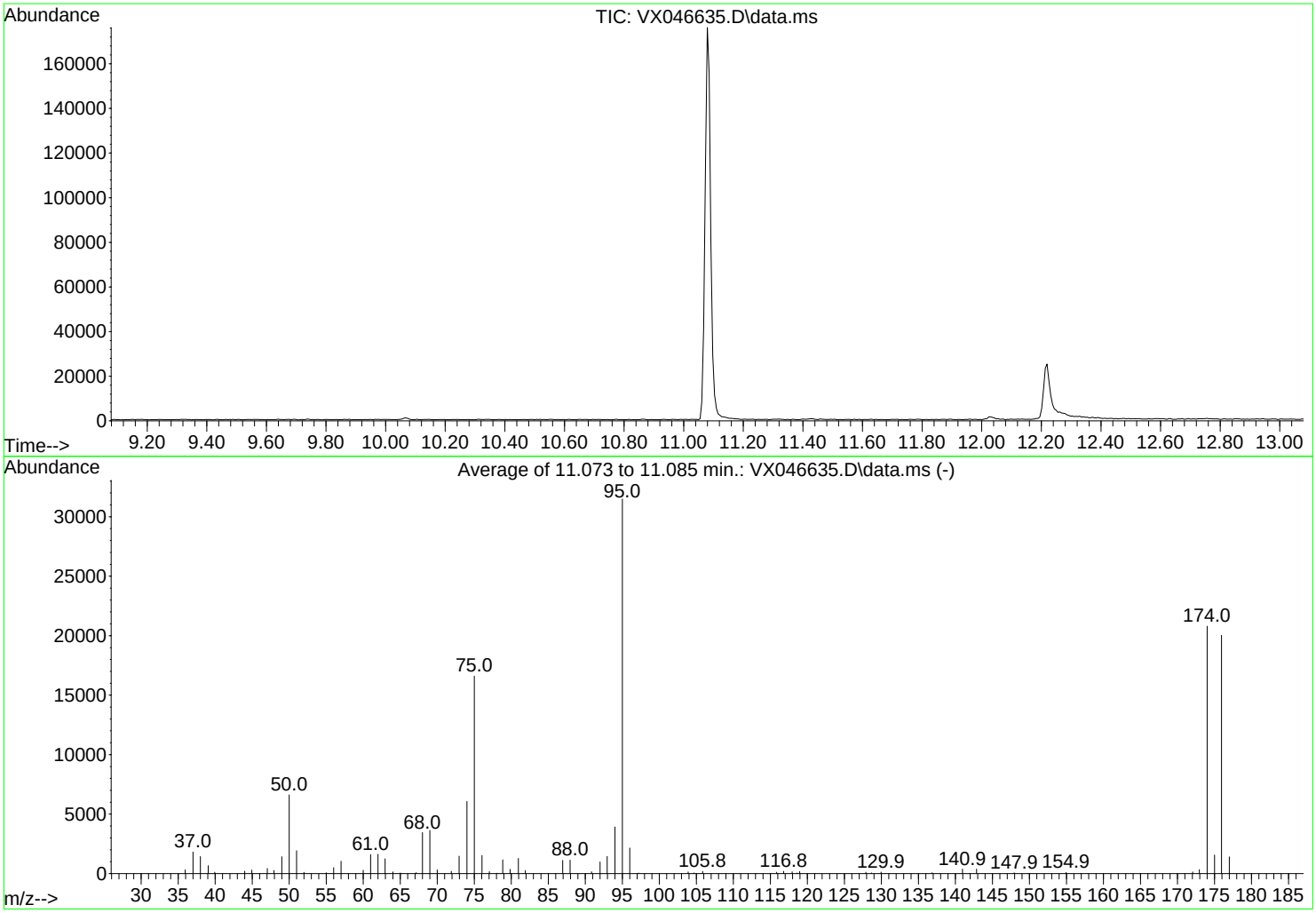
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	7727	PASS
75	95	30	60	56.5	20747	PASS
95	95	100	100	100.0	36752	PASS
96	95	5	9	6.5	2397	PASS
173	174	0.00	2	1.0	238	PASS
174	95	50	100	65.2	23963	PASS
175	174	5	9	7.7	1850	PASS
176	174	95	101	96.1	23028	PASS
177	176	5	9	6.6	1530	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046635.D
Acq On : 11 Jun 2025 14:01
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

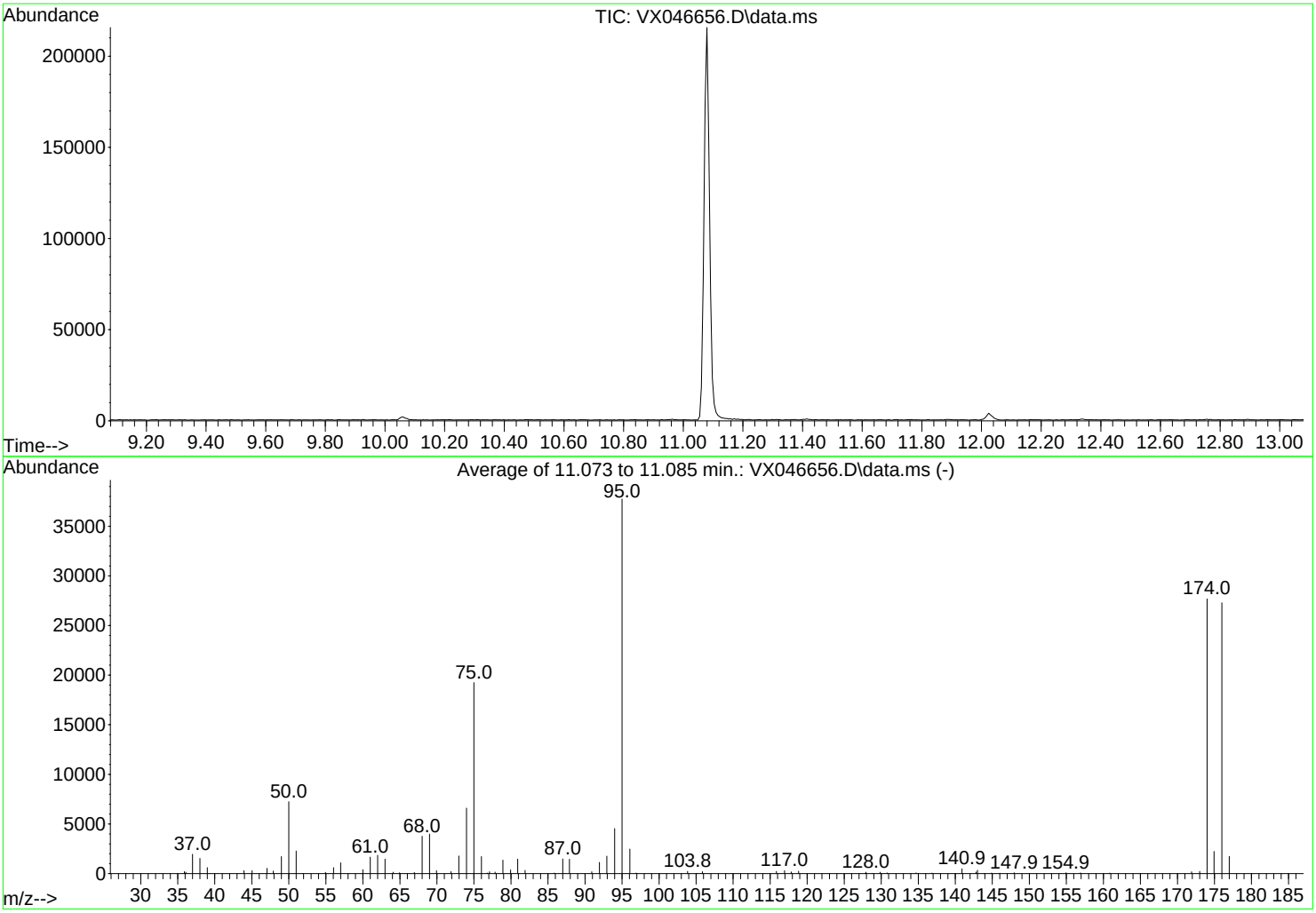
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	6619	PASS
75	95	30	60	52.7	16610	PASS
95	95	100	100	100.0	31491	PASS
96	95	5	9	6.8	2149	PASS
173	174	0.00	2	1.6	335	PASS
174	95	50	100	66.1	20804	PASS
175	174	5	9	7.5	1565	PASS
176	174	95	101	96.3	20030	PASS
177	176	5	9	7.0	1411	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046656.D
Acq On : 12 Jun 2025 09:44
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\82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 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	19.2	7240	PASS
75	95	30	60	51.0	19246	PASS
95	95	100	100	100.0	37749	PASS
96	95	5	9	6.6	2477	PASS
173	174	0.00	2	0.8	230	PASS
174	95	50	100	73.3	27683	PASS
175	174	5	9	8.1	2237	PASS
176	174	95	101	98.6	27288	PASS
177	176	5	9	6.3	1728	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:	VX0611WBL02	SDG No.:	Q2249
Lab Sample ID:	VX0611WBL02	Matrix:	Water
Analytical Method:	8260D	% 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
VX046637.D	1		06/11/25 15:14	VX061125

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	49.7		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	54.3		70 (86) - 130 (113)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	73500	5.556			
540-36-3	1,4-Difluorobenzene	148000	6.769			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	77000	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\VX061125\
Data File : VX046637.D
Acq On : 11 Jun 2025 15:14
Operator : JC/MD
Sample : VX0611WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Quant Time: Jun 12 02:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

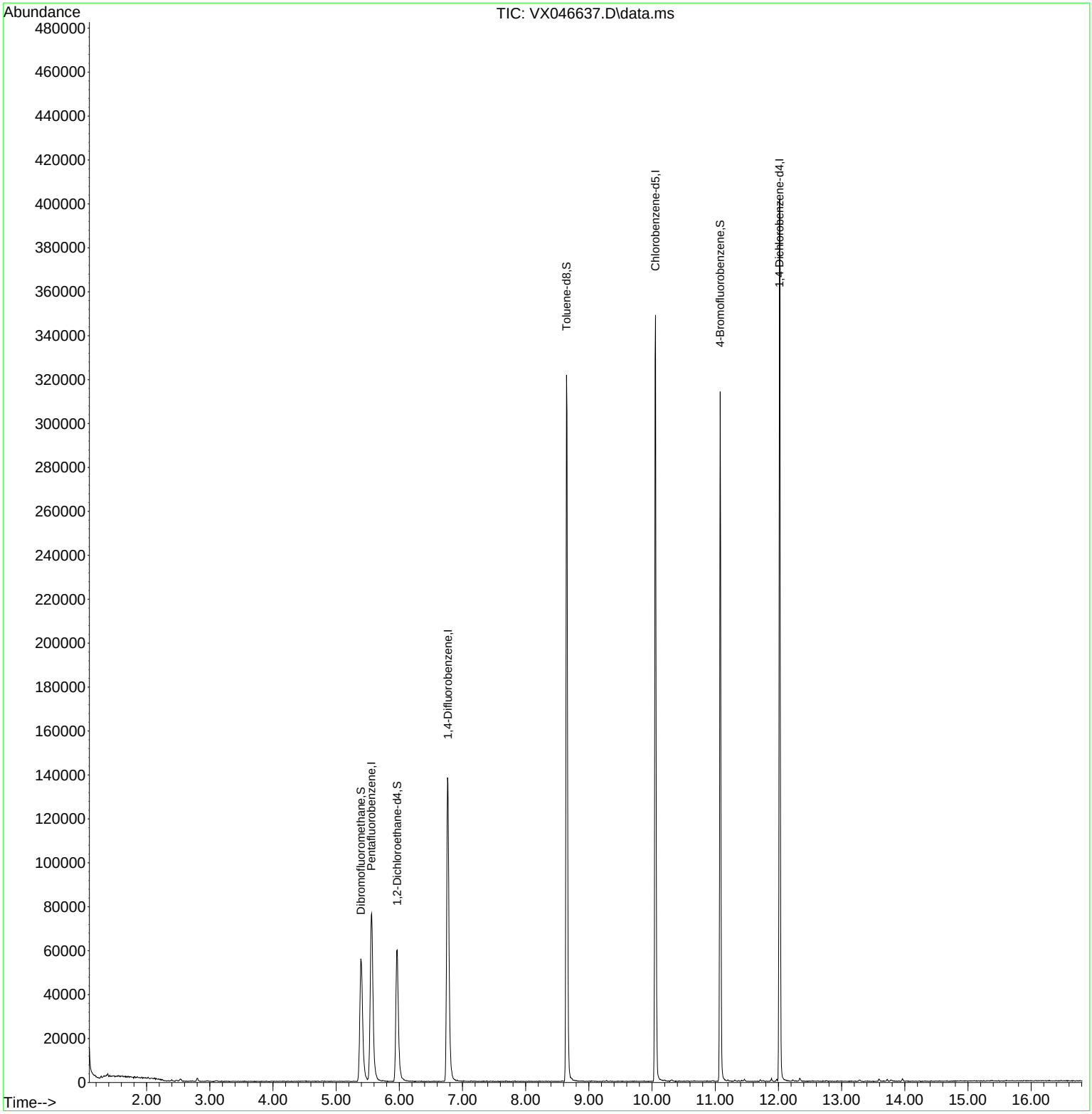
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	73470	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	147517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	64944	49.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.380%			
35) Dibromofluoromethane	5.391	113	54640	50.367	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	8.647	98	194299	54.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.660%			
62) 4-Bromofluorobenzene	11.079	95	81807	55.283	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.560%			
Target Compounds						Qvalue

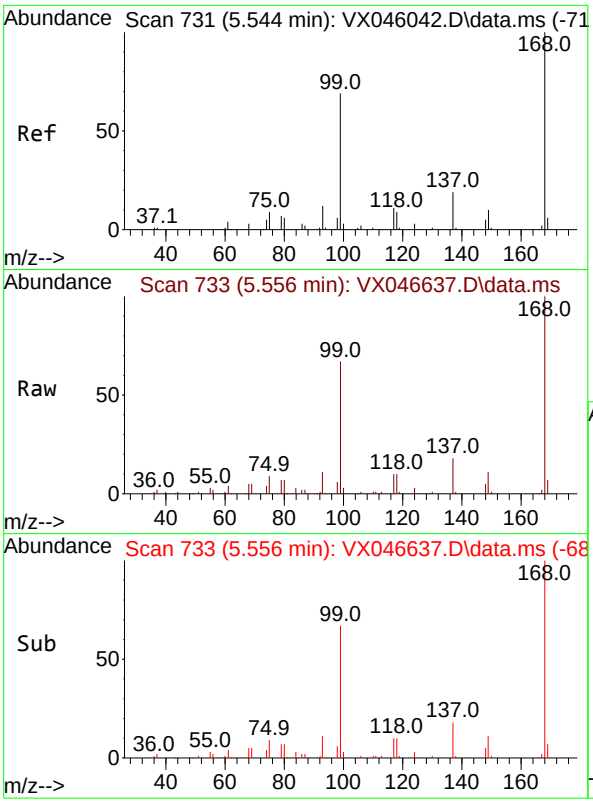
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046637.D
Acq On : 11 Jun 2025 15:14
Operator : JC/MD
Sample : VX0611WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Quant Time: Jun 12 02:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



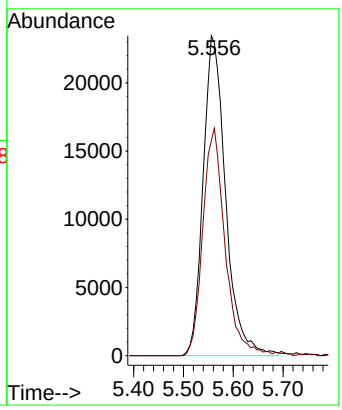


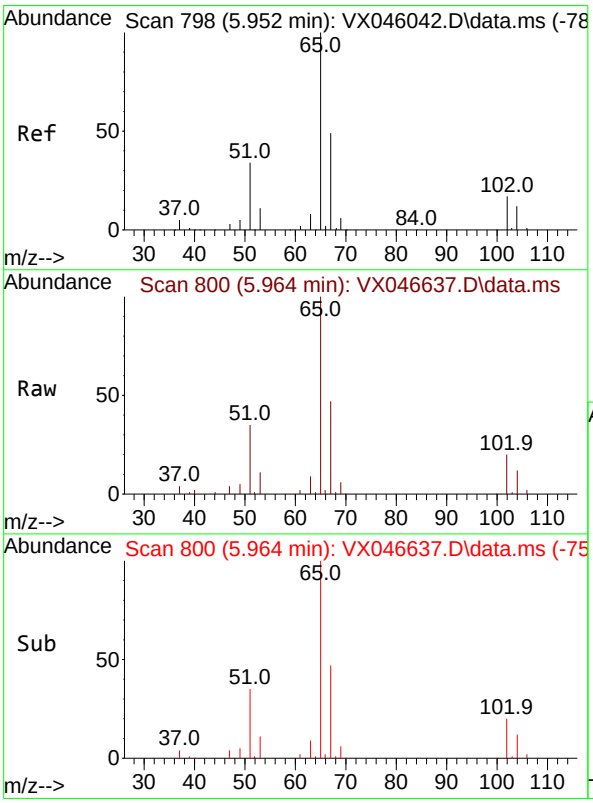
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Tgt Ion:168 Resp: 73470

Ion	Ratio	Lower	Upper
168	100		
99	67.1	54.9	82.3

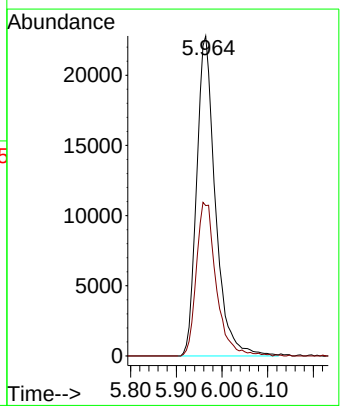


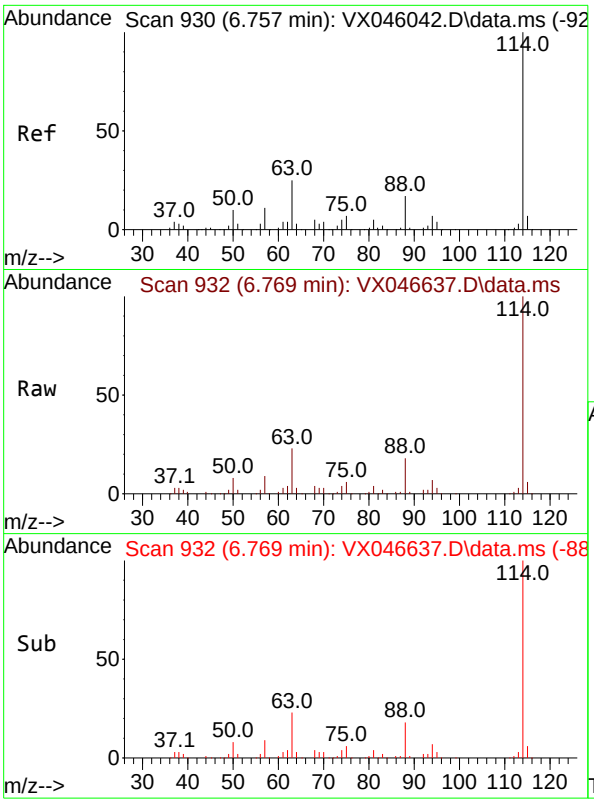


#33
1,2-Dichloroethane-d4
Concen: 49.685 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 65 Resp: 64944

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.0



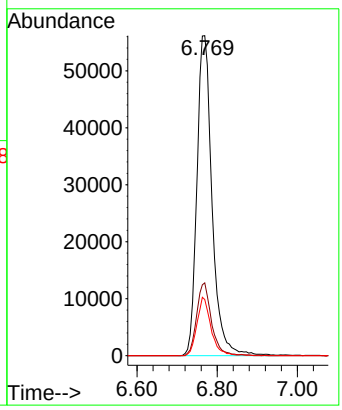


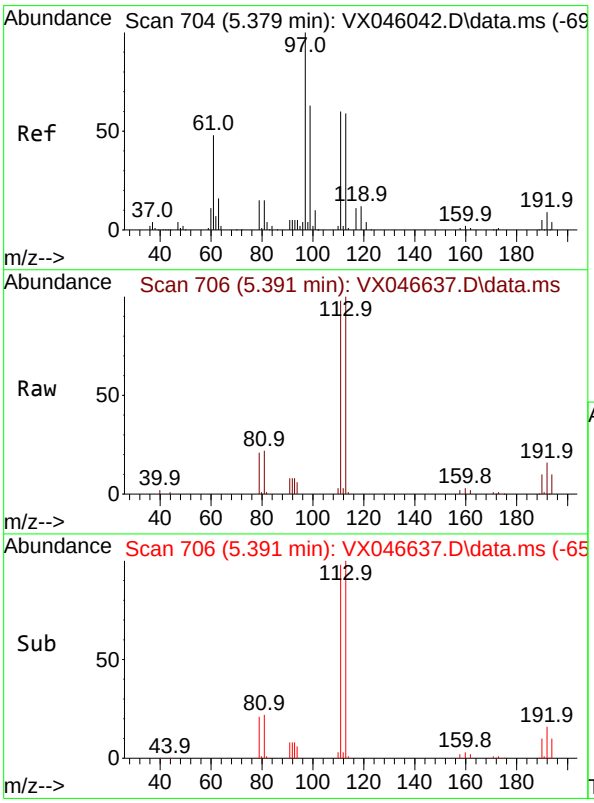
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Tgt Ion:114 Resp: 147517

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	49.2
88	17.6	0.0	33.6

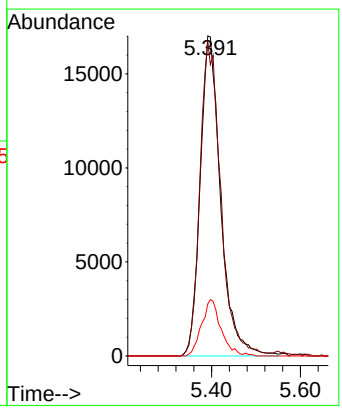


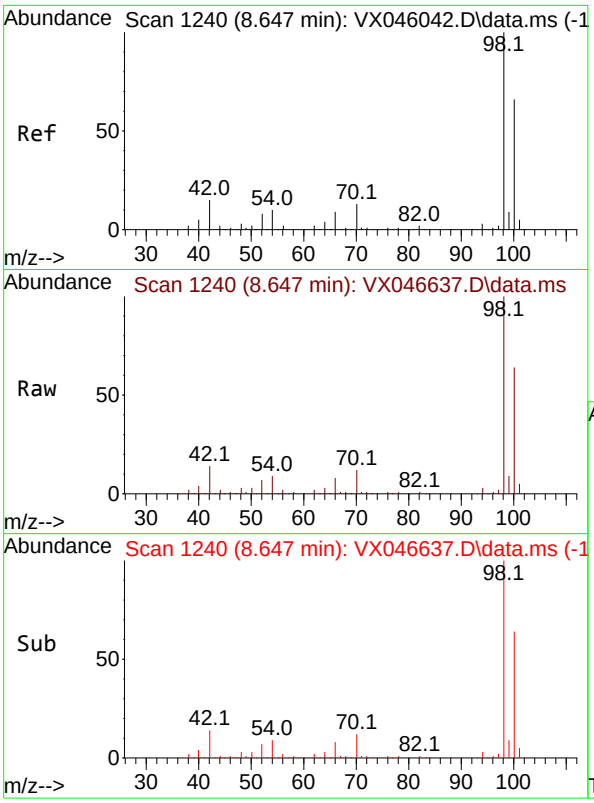


#35
Dibromofluoromethane
Concen: 50.367 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.012 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion:113 Resp: 54640

Ion	Ratio	Lower	Upper
113	100		
111	99.7	83.1	124.7
192	16.5	13.3	19.9



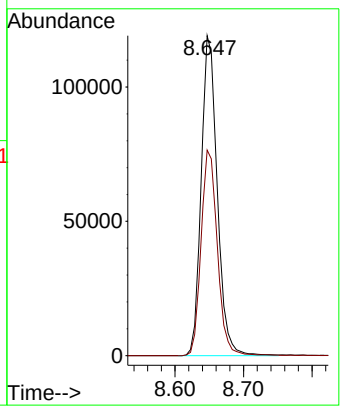


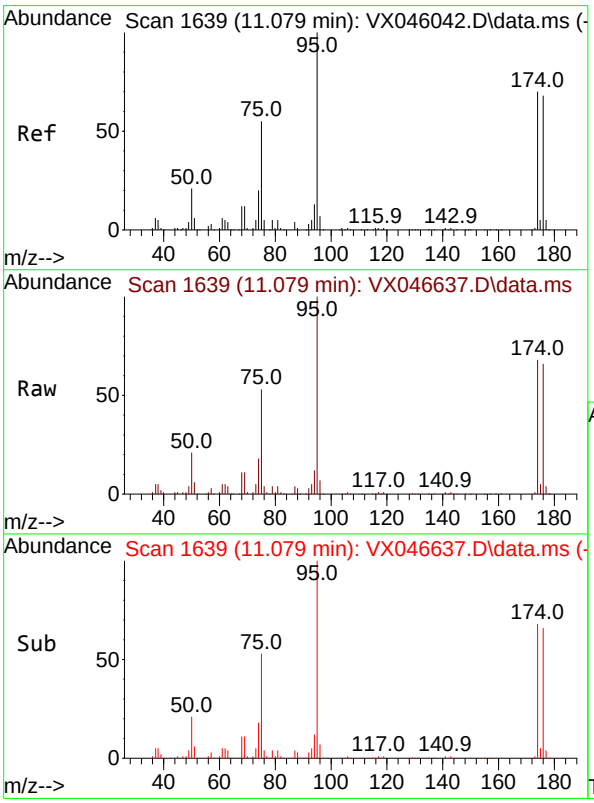
#50
Toluene-d8
Concen: 54.326 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Tgt Ion: 98 Resp: 194299

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3

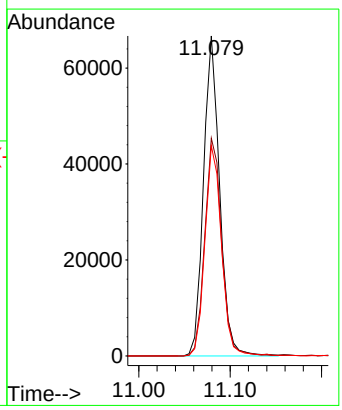


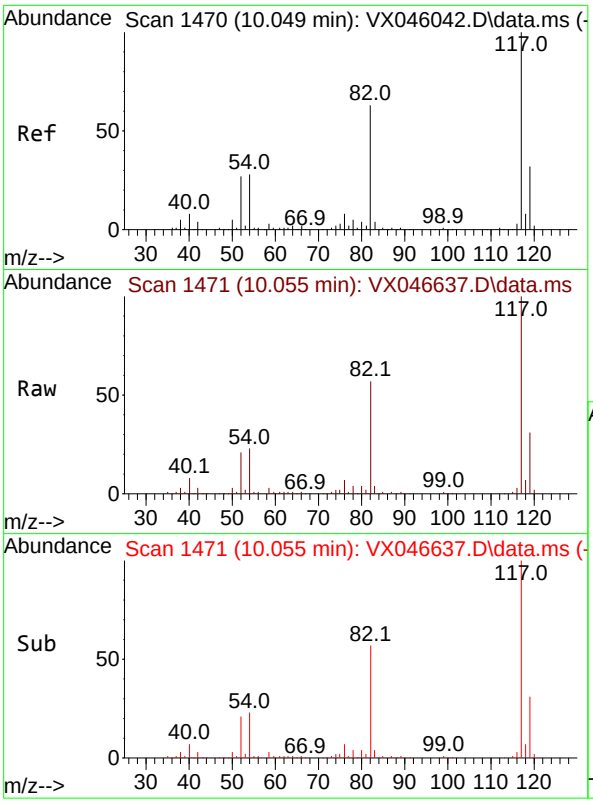


#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion: 95 Resp: 81807

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	135.8
176	67.5	0.0	131.4



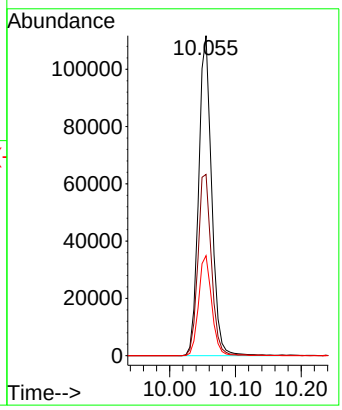


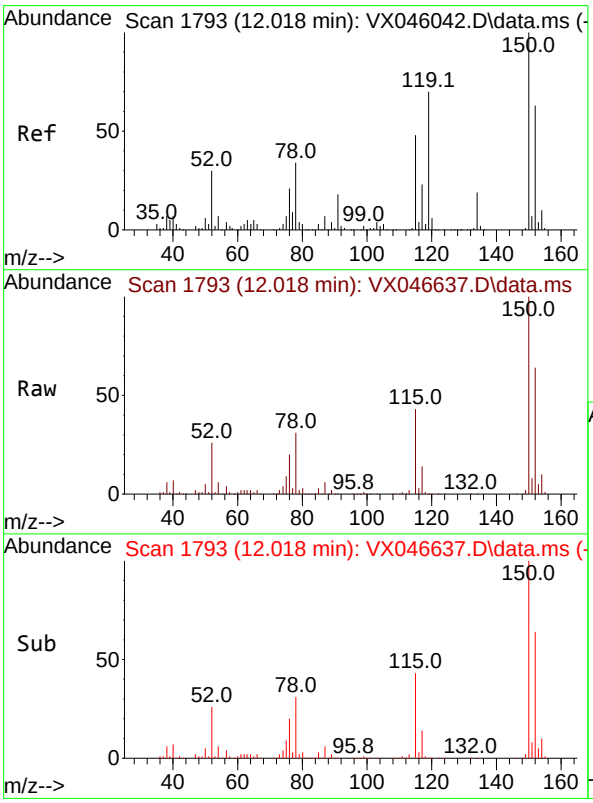
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL02

Tgt Ion:117 Resp: 153084

Ion	Ratio	Lower	Upper
117	100		
82	56.7	50.6	76.0
119	31.2	25.8	38.6

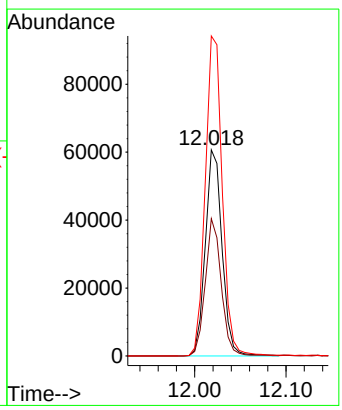




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046637.D
Acq: 11 Jun 2025 15:14

Tgt Ion:152 Resp: 77047

Ion	Ratio	Lower	Upper
152	100		
115	63.7	46.9	140.7
150	157.8	0.0	351.0



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:	VX0612WBL01	SDG No.:	Q2249
Lab Sample ID:	VX0612WBL01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046659.D	1		06/12/25 13:10	VX061225

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	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	52.4		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92200	5.568			
540-36-3	1,4-Difluorobenzene	181000	6.775			
3114-55-4	Chlorobenzene-d5	189000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	95400	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\VX061225\
Data File : VX046659.D
Acq On : 12 Jun 2025 13:10
Operator : JC/MD
Sample : VX0612WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Quant Time: Jun 13 01:42:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

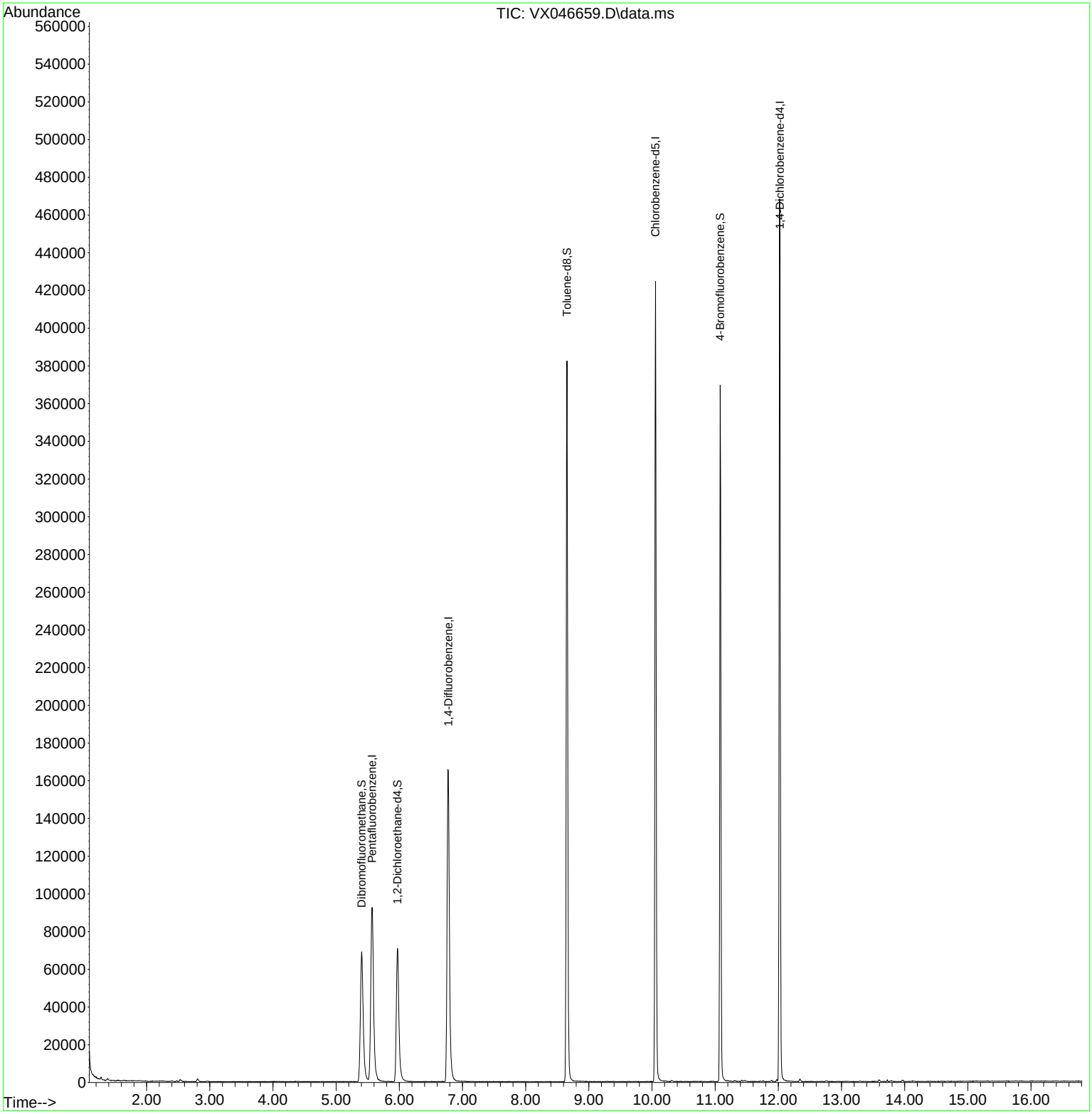
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	92224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	180952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	75758	46.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.340%			
35) Dibromofluoromethane	5.404	113	64522	48.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.980%			
50) Toluene-d8	8.653	98	229993	52.424	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.840%			
62) 4-Bromofluorobenzene	11.079	95	99118	54.605	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.200%			
Target Compounds						Qvalue

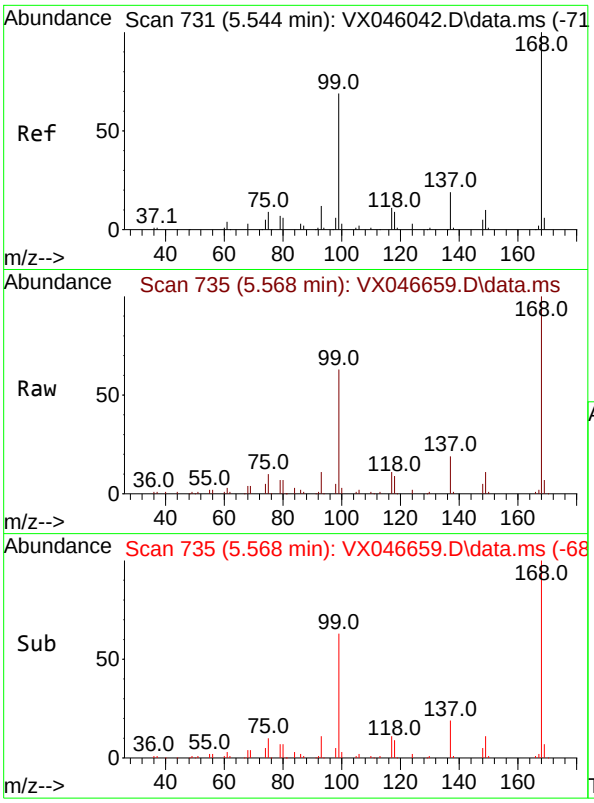
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046659.D
Acq On : 12 Jun 2025 13:10
Operator : JC/MD
Sample : VX0612WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Quant Time: Jun 13 01:42:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



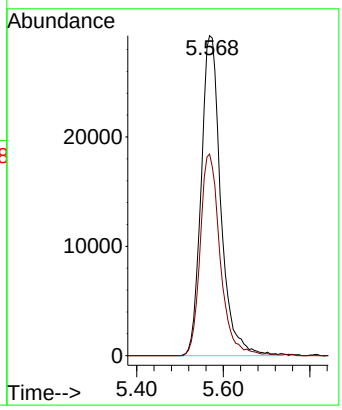


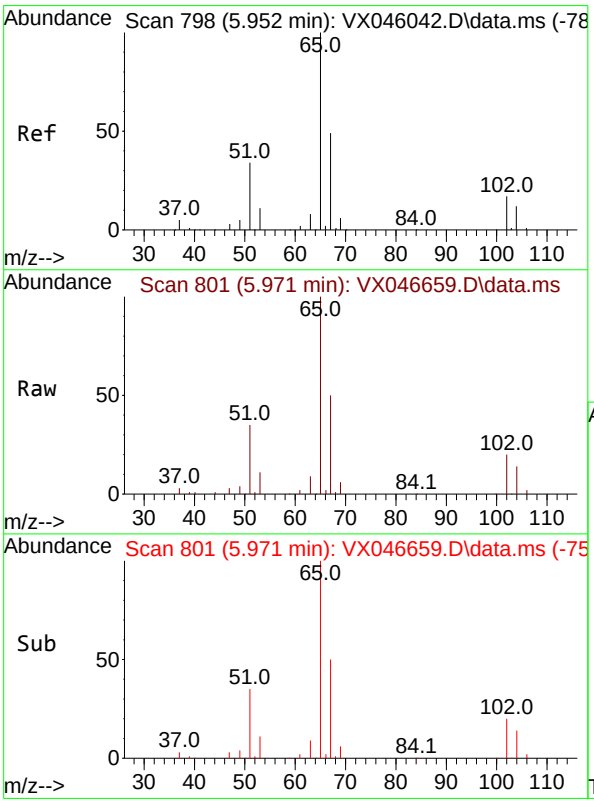
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Tgt Ion:168 Resp: 92224

Ion	Ratio	Lower	Upper
168	100		
99	63.0	54.9	82.3

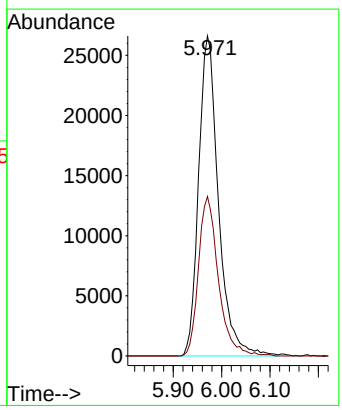


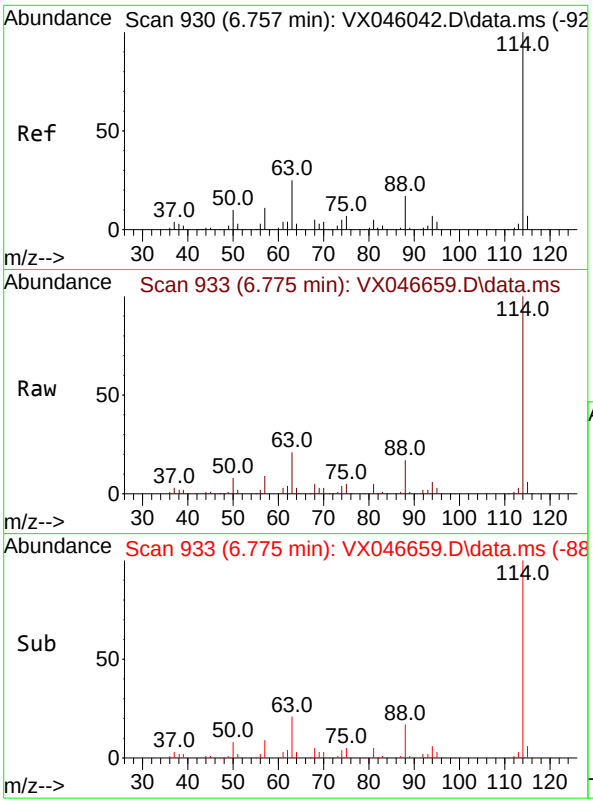


#33
1,2-Dichloroethane-d4
Concen: 46.173 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.001 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion: 65 Resp: 75758

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



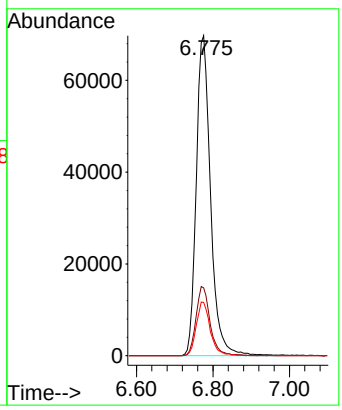


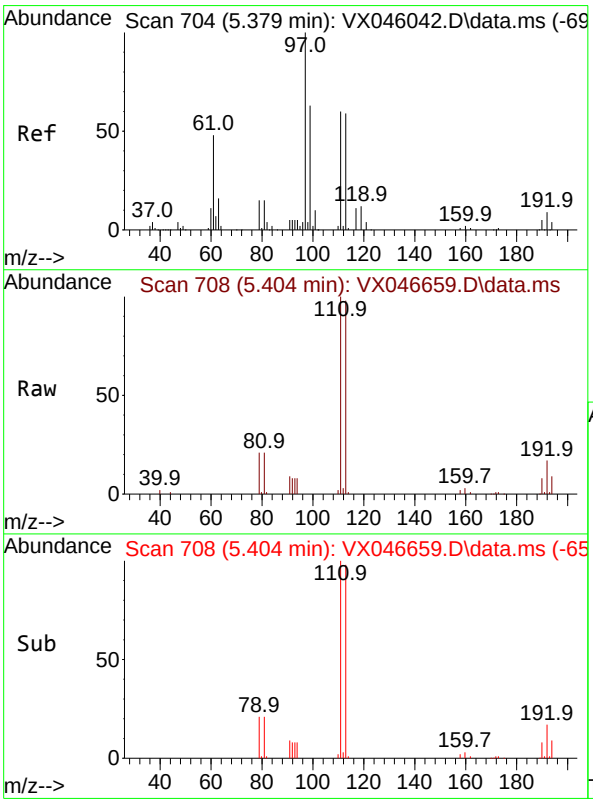
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Tgt Ion:114 Resp: 180952

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	49.2
88	16.7	0.0	33.6

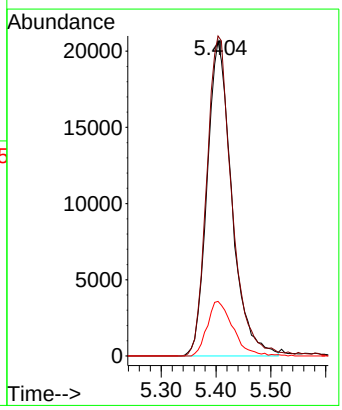


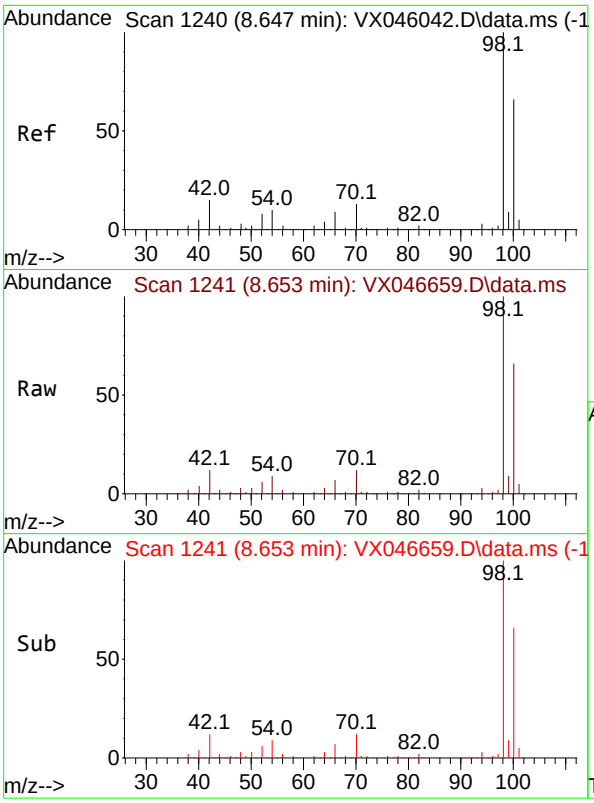


#35
Dibromofluoromethane
Concen: 48.487 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.001 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion:113 Resp: 64522

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	18.1	13.3	19.9



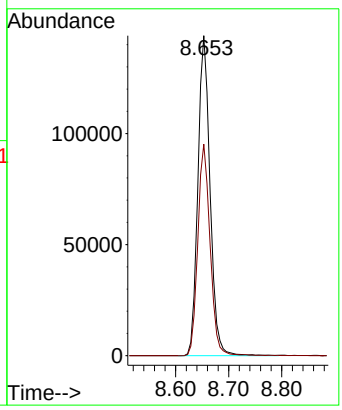


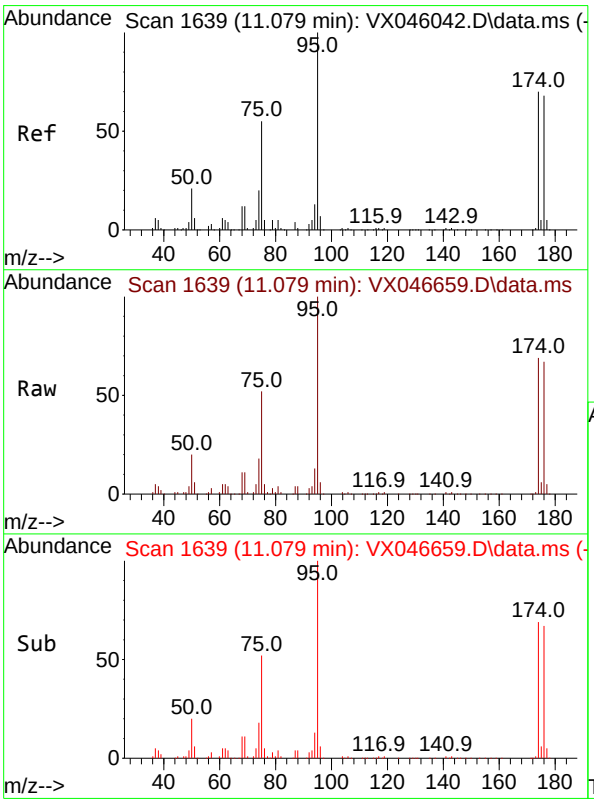
#50
Toluene-d8
Concen: 52.424 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Tgt Ion: 98 Resp: 229993

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.5	80.3

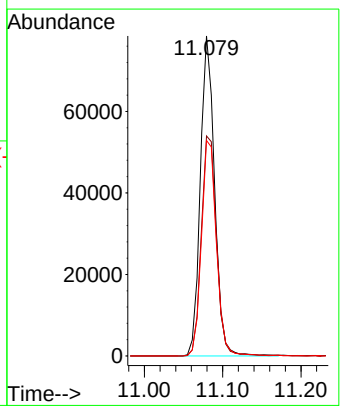


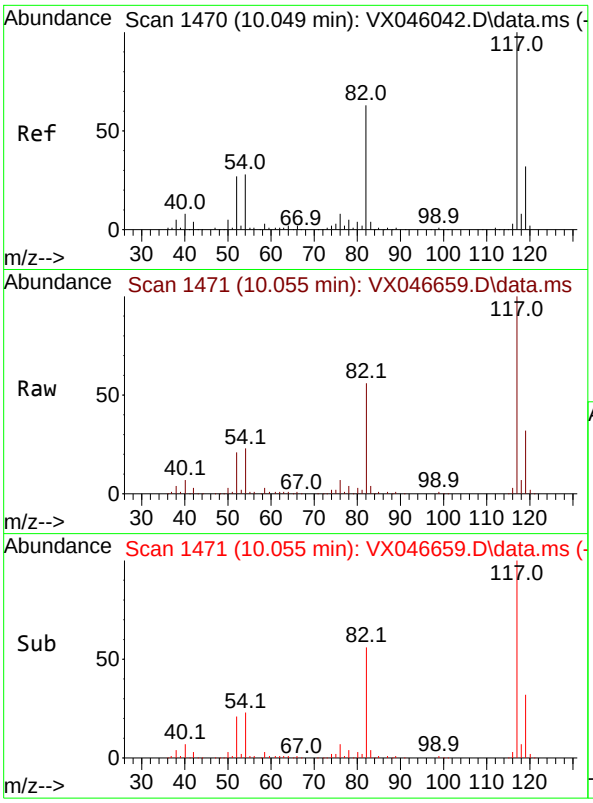


#62
4-Bromofluorobenzene
Concen: 54.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion: 95 Resp: 99118

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	135.8
176	70.9	0.0	131.4



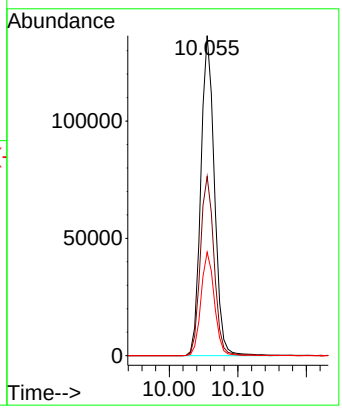


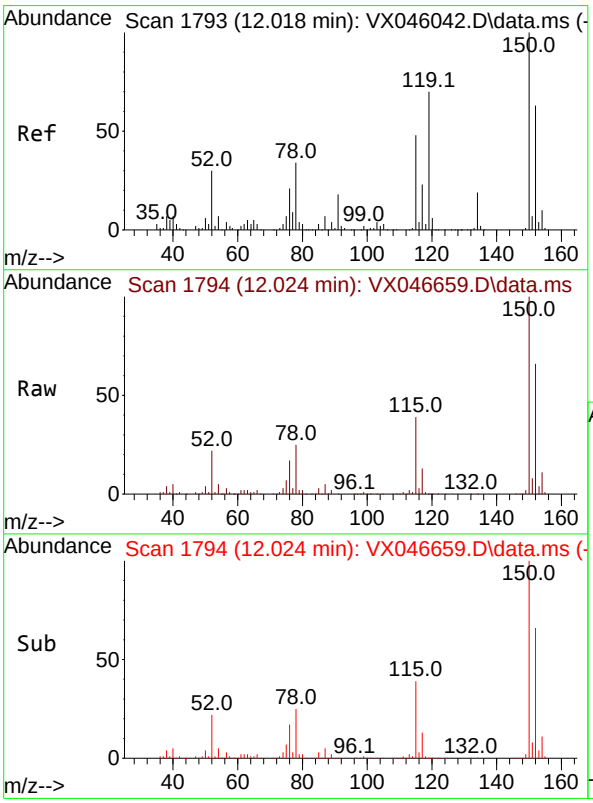
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Tgt Ion:117 Resp: 188641

Ion	Ratio	Lower	Upper
117	100		
82	56.0	50.6	76.0
119	32.4	25.8	38.6

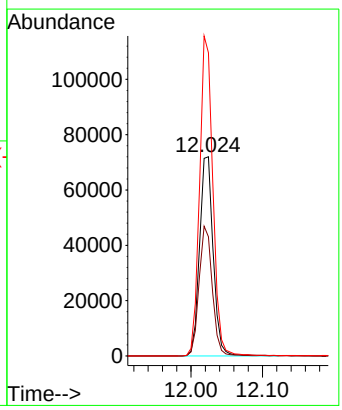




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion:152 Resp: 95358

Ion	Ratio	Lower	Upper
152	100		
115	63.2	46.9	140.7
150	156.4	0.0	351.0



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:	VX0611WBS02	SDG No.:	Q2249
Lab Sample ID:	VX0611WBS02	Matrix:	Water
Analytical Method:	8260D	% 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
VX046639.D	1		06/11/25 15:58	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		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	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		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	21.8		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.0		70 (74) - 130 (125)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.2		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79400	5.568			
540-36-3	1,4-Difluorobenzene	137000	6.775			
3114-55-4	Chlorobenzene-d5	126000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	66500	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\VX061125\
Data File : VX046639.D
Acq On : 11 Jun 2025 15:58
Operator : JC/MD
Sample : VX0611WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 02:30:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	79398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	136732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	62097	43.960	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.920%			
35) Dibromofluoromethane	5.403	113	48061	47.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.600%			
50) Toluene-d8	8.653	98	156454	47.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.380%			
62) 4-Bromofluorobenzene	11.079	95	66562	48.529	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	18394	16.687	ug/l	99
3) Chloromethane	1.307	50	15963	15.910	ug/l	97
4) Vinyl Chloride	1.386	62	16348	16.345	ug/l	98
5) Bromomethane	1.624	94	7595	12.509	ug/l	87
6) Chloroethane	1.703	64	11674m	17.990	ug/l	
7) Trichlorofluoromethane	1.904	101	27390	16.552	ug/l	100
8) Diethyl Ether	2.154	74	10628	18.177	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.349	101	19463	18.668	ug/l	96
10) Methyl Iodide	2.471	142	17332	15.335	ug/l	96
11) Tert butyl alcohol	2.977	59	14234	90.811	ug/l	100
12) 1,1-Dichloroethene	2.337	96	17506	18.571	ug/l	98
13) Acrolein	2.252	56	18224	114.600	ug/l	99
14) Allyl chloride	2.684	41	34592	18.685	ug/l	94
15) Acrylonitrile	3.081	53	59026	99.599	ug/l	98
16) Acetone	2.392	43	52377	97.283	ug/l	96
17) Carbon Disulfide	2.532	76	34376	17.308	ug/l	99
18) Methyl Acetate	2.721	43	35991	21.391	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	65364	19.817	ug/l	97
20) Methylene Chloride	2.806	84	21399	18.883	ug/l	90
21) trans-1,2-Dichloroethene	3.111	96	18113	18.157	ug/l	99
22) Diisopropyl ether	3.782	45	72174	19.774	ug/l #	78
23) Vinyl Acetate	3.739	43	277051	98.316	ug/l	99
24) 1,1-Dichloroethane	3.635	63	39252	19.296	ug/l	99
25) 2-Butanone	4.574	43	77024	97.951	ug/l	98
26) 2,2-Dichloropropane	4.495	77	29063	19.245	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	24101	19.625	ug/l	94
28) Bromochloromethane	4.916	49	20247	20.868	ug/l	99
29) Tetrahydrofuran	5.025	42	47052	94.747	ug/l	97
30) Chloroform	5.111	83	42286	19.839	ug/l	98
31) Cyclohexane	5.489	56	30482	18.562	ug/l	96
32) 1,1,1-Trichloroethane	5.403	97	35963	19.725	ug/l	96
36) 1,1-Dichloropropene	5.708	75	26155	18.210	ug/l	99
37) Ethyl Acetate	4.733	43	30379	21.671	ug/l	99
38) Carbon Tetrachloride	5.696	117	30021	18.661	ug/l	97
39) Methylcyclohexane	7.391	83	29760	17.554	ug/l	95
40) Benzene	6.056	78	79373	19.630	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046639.D
Acq On : 11 Jun 2025 15:58
Operator : JC/MD
Sample : VX0611WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 02:30:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	16254	18.672	ug/l		92
42) 1,2-Dichloroethane	6.098	62	32150	19.112	ug/l		96
43) Isopropyl Acetate	6.354	43	48194	19.720	ug/l		99
44) Trichloroethene	7.135	130	19685	19.160	ug/l		97
45) 1,2-Dichloropropane	7.434	63	21637	20.731	ug/l		98
46) Dibromomethane	7.592	93	15586	19.851	ug/l		97
47) Bromodichloromethane	7.830	83	33270	20.608	ug/l		98
48) Methyl methacrylate	7.702	41	24852	19.765	ug/l		95
49) 1,4-Dioxane	7.671	88	6382	379.544	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	163442	105.244	ug/l		100
52) Toluene	8.720	92	50204	20.210	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	28921	19.980	ug/l		97
54) cis-1,3-Dichloropropene	8.372	75	32006	19.887	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	21703	21.763	ug/l		98
56) Ethyl methacrylate	9.122	69	31509	20.532	ug/l		96
57) 1,3-Dichloropropane	9.311	76	35983	20.418	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	88166	105.474	ug/l		99
59) 2-Hexanone	9.433	43	115060	103.306	ug/l		98
60) Dibromochloromethane	9.525	129	24066	20.516	ug/l		98
61) 1,2-Dibromoethane	9.610	107	21076	20.281	ug/l		96
64) Tetrachloroethene	9.275	164	15135	18.025	ug/l		96
65) Chlorobenzene	10.079	112	57335	19.415	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	20729	20.772	ug/l		99
67) Ethyl Benzene	10.195	91	99024	19.208	ug/l		98
68) m/p-Xylenes	10.299	106	74956	40.080	ug/l		98
69) o-Xylene	10.640	106	36413	20.130	ug/l		100
70) Styrene	10.653	104	64851	20.944	ug/l		97
71) Bromoform	10.799	173	15814	20.783	ug/l	#	99
73) Isopropylbenzene	10.963	105	99709	19.062	ug/l		99
74) N-amyl acetate	10.841	43	41919	18.198	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	33081	19.758	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	26532m	18.824	ug/l		
77) Bromobenzene	11.195	156	23318	19.206	ug/l		96
78) n-propylbenzene	11.305	91	118948	18.787	ug/l		100
79) 2-Chlorotoluene	11.366	91	71722	18.786	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	82556	18.940	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8445	17.284	ug/l		99
82) 4-Chlorotoluene	11.451	91	83845	18.528	ug/l		96
83) tert-Butylbenzene	11.713	119	85087	19.176	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	84799	19.231	ug/l		100
85) sec-Butylbenzene	11.890	105	110228	19.333	ug/l		100
86) p-Isopropyltoluene	12.006	119	89892	18.912	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	44656	18.941	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	45863	18.773	ug/l		98
89) n-Butylbenzene	12.329	91	85456	18.308	ug/l		99
90) Hexachloroethane	12.536	117	15011	17.769	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	44193	19.419	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6962	18.569	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	28946	18.645	ug/l		100
94) Hexachlorobutadiene	13.725	225	12700	17.603	ug/l		98
95) Naphthalene	13.774	128	94270	19.148	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	28547	18.338	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046639.D
Acq On : 11 Jun 2025 15:58
Operator : JC/MD
Sample : VX0611WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 02:30:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

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

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

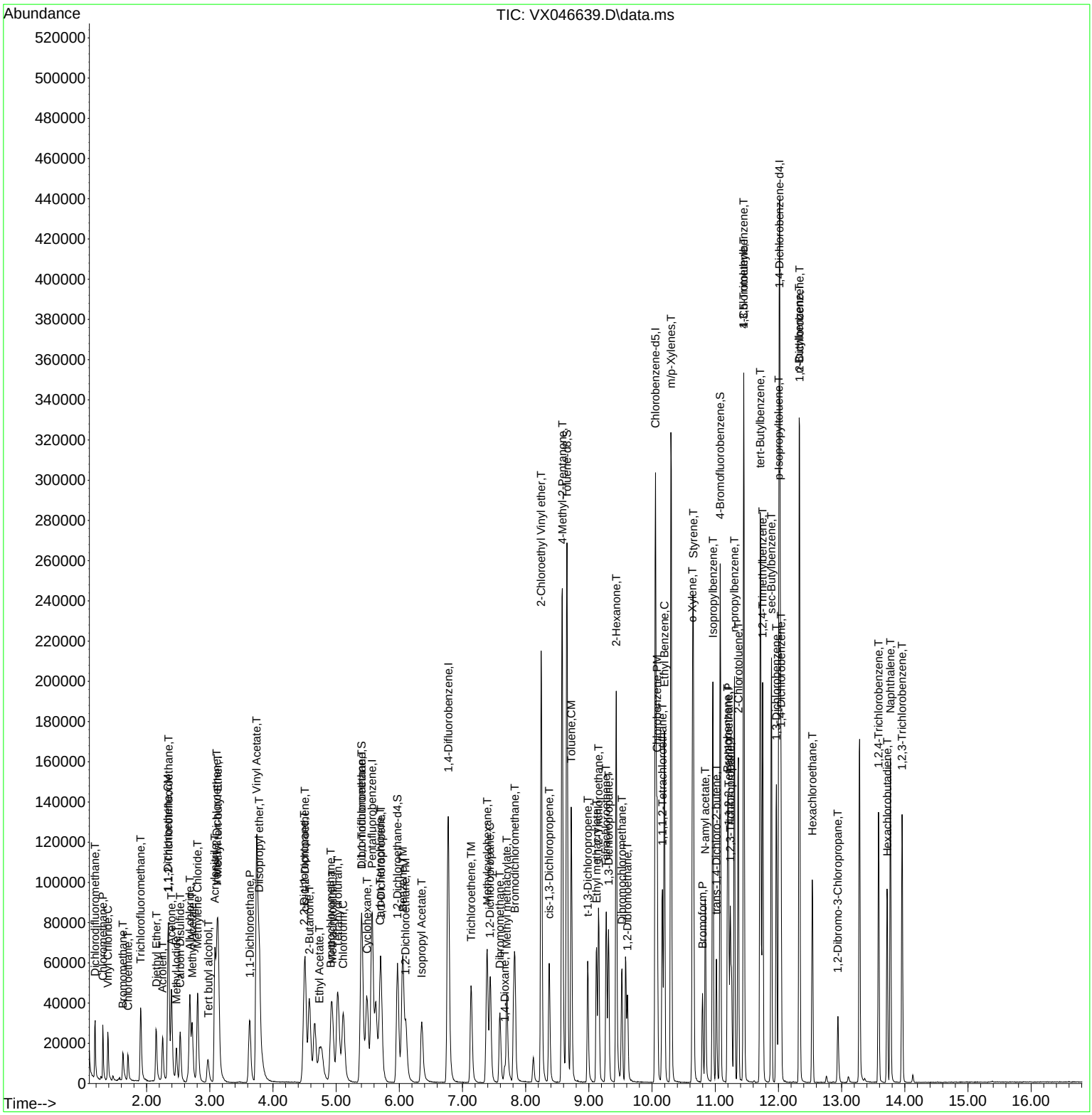
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046639.D
Acq On : 11 Jun 2025 15:58
Operator : JC/MD
Sample : VX0611WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

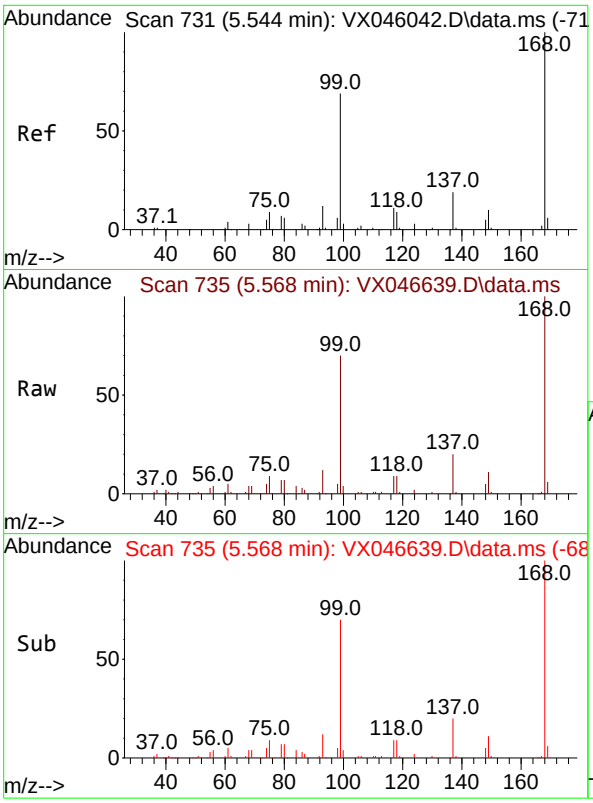
Quant Time: Jun 12 02:30:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

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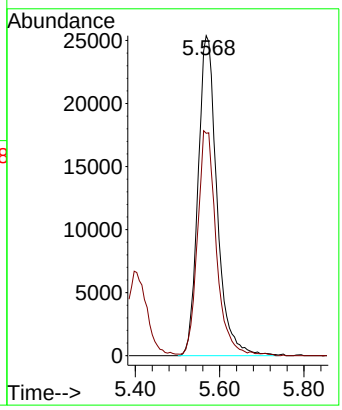




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:168 Resp: 7939

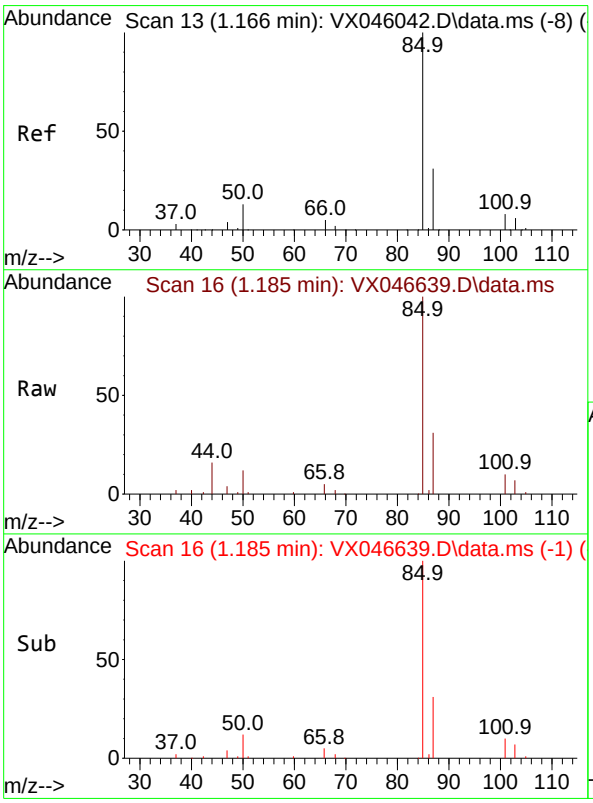
Ion	Ratio	Lower	Upper
168	100		
99	69.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

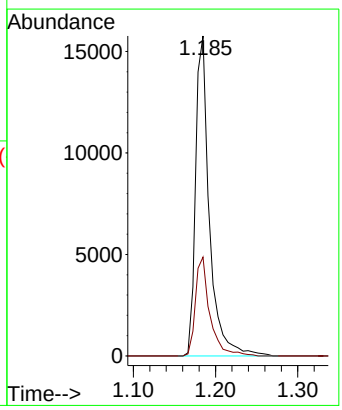
Reviewed By :John Carlone 06/12/2025
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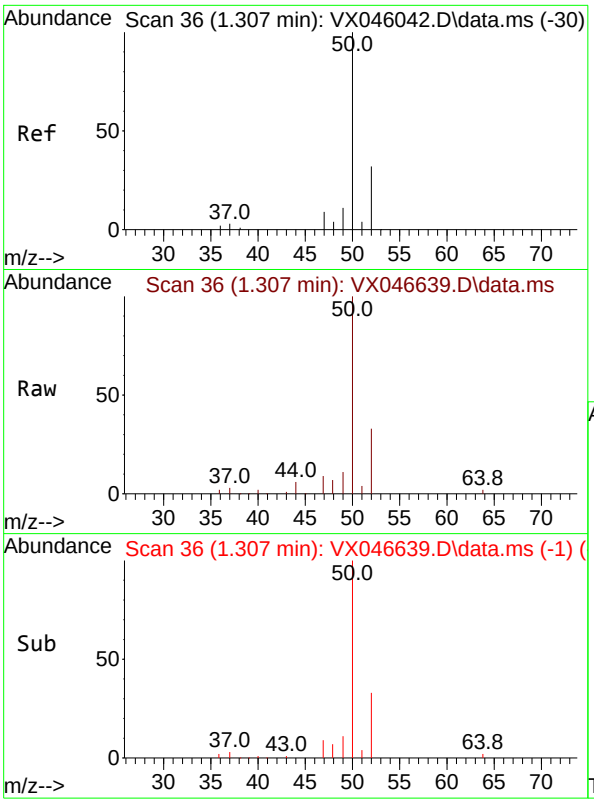


#2
Dichlorodifluoromethane
Concen: 16.687 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 85 Resp: 18394

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1

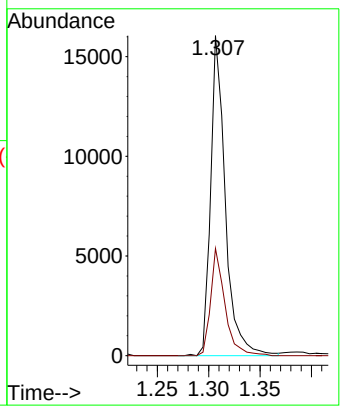




#3
Chloromethane
Concen: 15.910 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 50 Resp: 1596

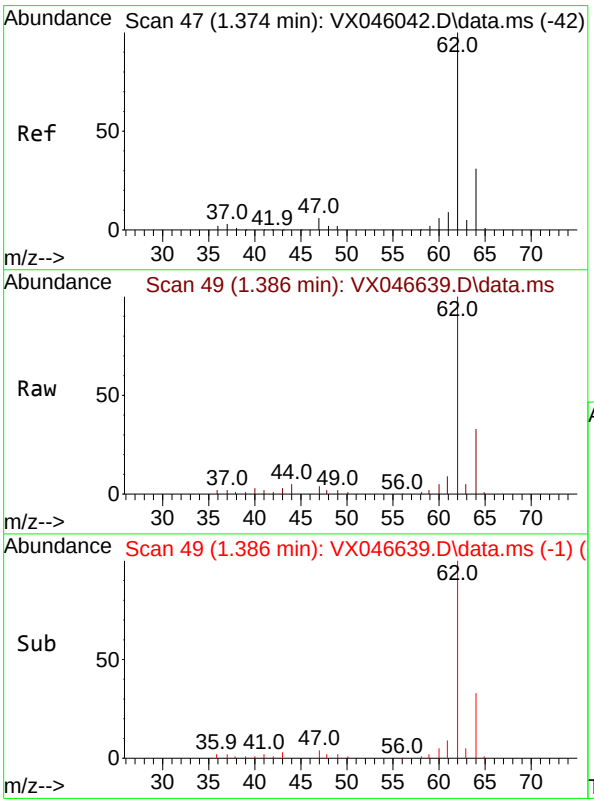
Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

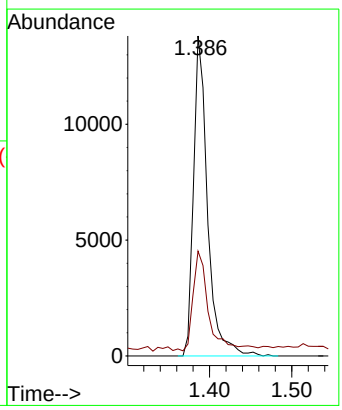
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

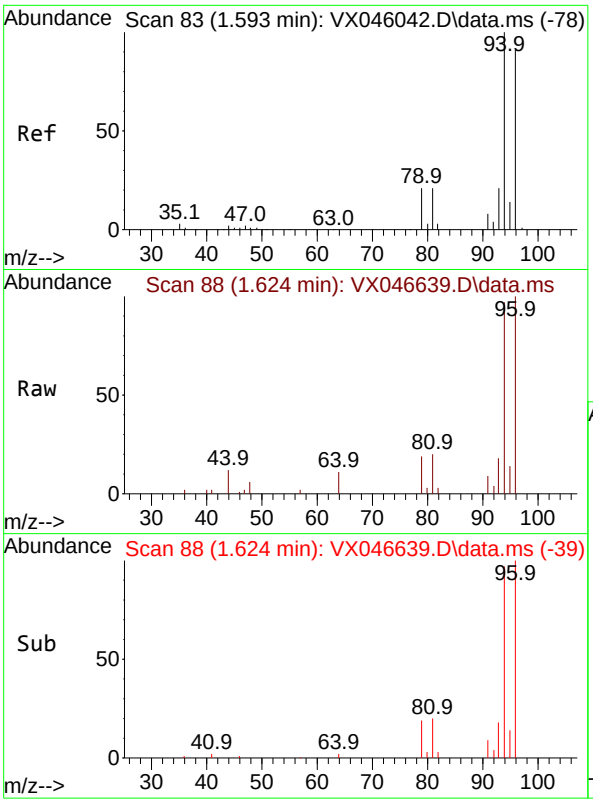


#4
Vinyl Chloride
Concen: 16.345 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 62 Resp: 16348

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

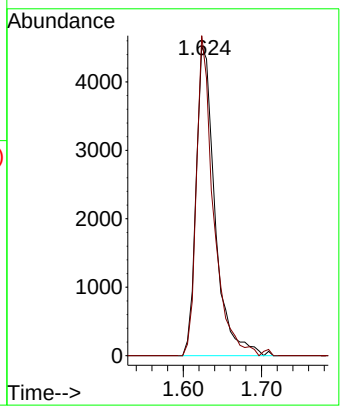




#5
Bromomethane
Concen: 12.509 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 94 Resp: 759

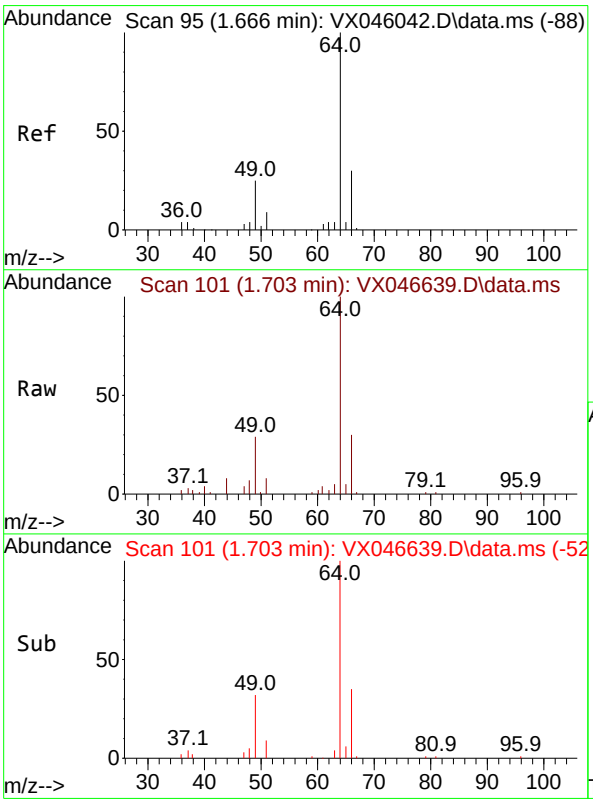
Ion	Ratio	Lower	Upper
94	100		
96	103.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

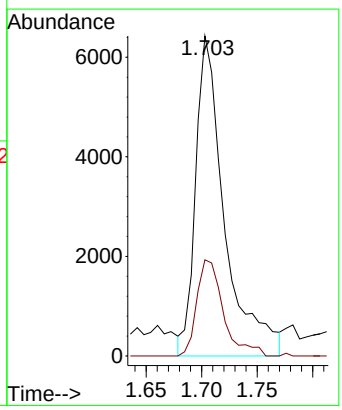
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

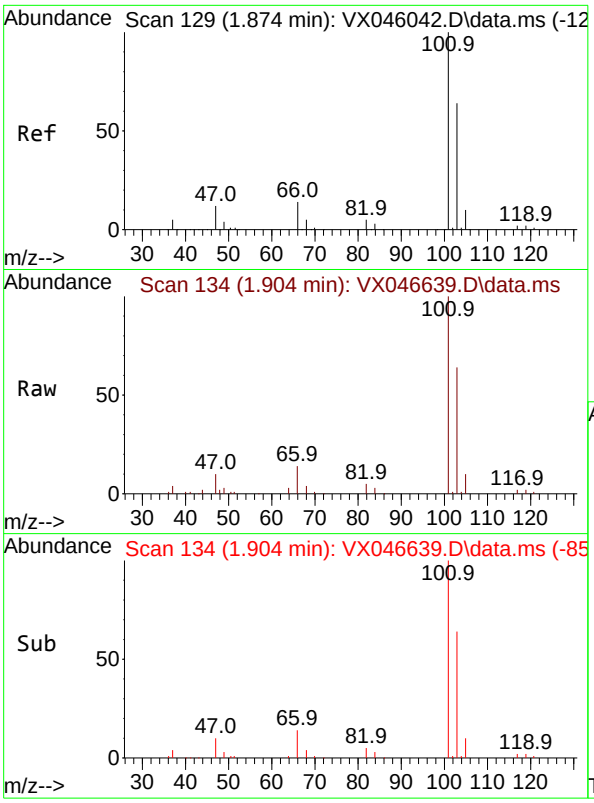


#6
Chloroethane
Concen: 17.990 ug/l m
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 64 Resp: 11674

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.3	36.5

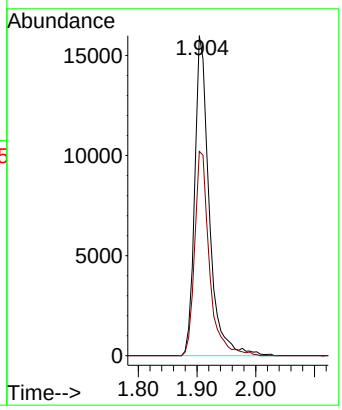




#7
Trichlorofluoromethane
Concen: 16.552 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:101 Resp: 2739

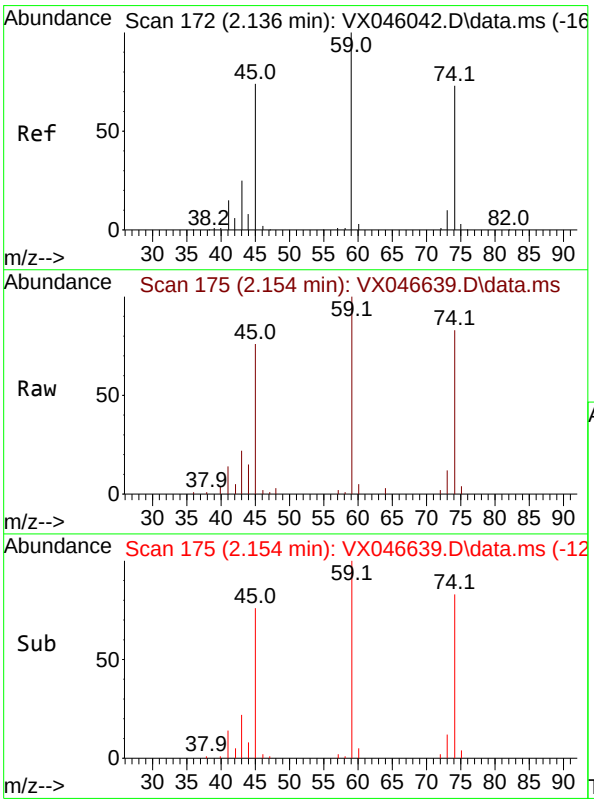
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

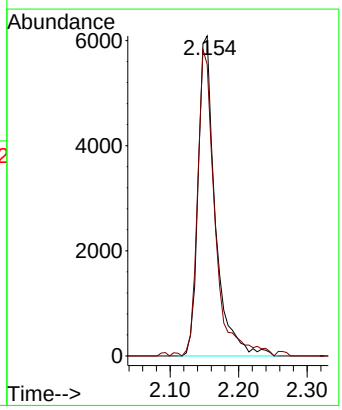
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

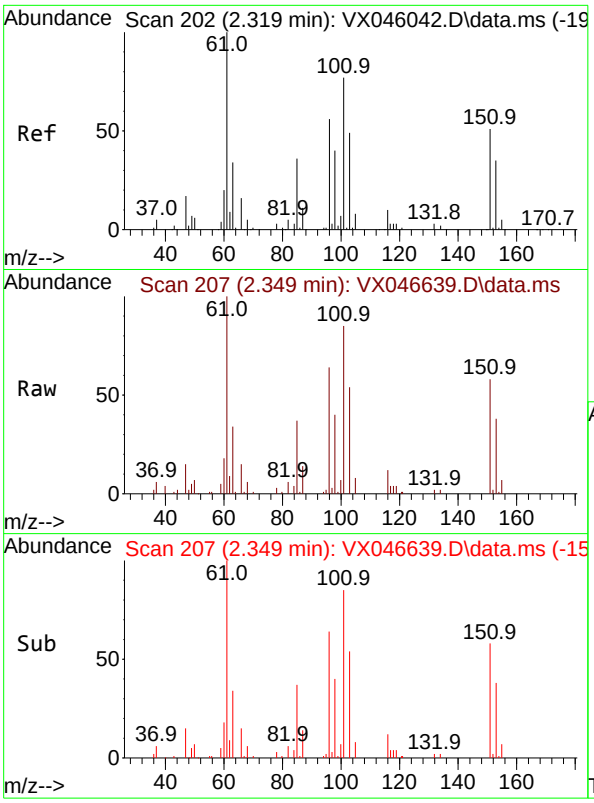


#8
Diethyl Ether
Concen: 18.177 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 74 Resp: 10628

Ion	Ratio	Lower	Upper
74	100		
45	97.5	54.9	164.8

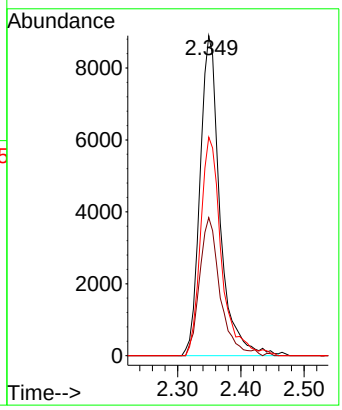




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.668 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:101 Resp: 1946

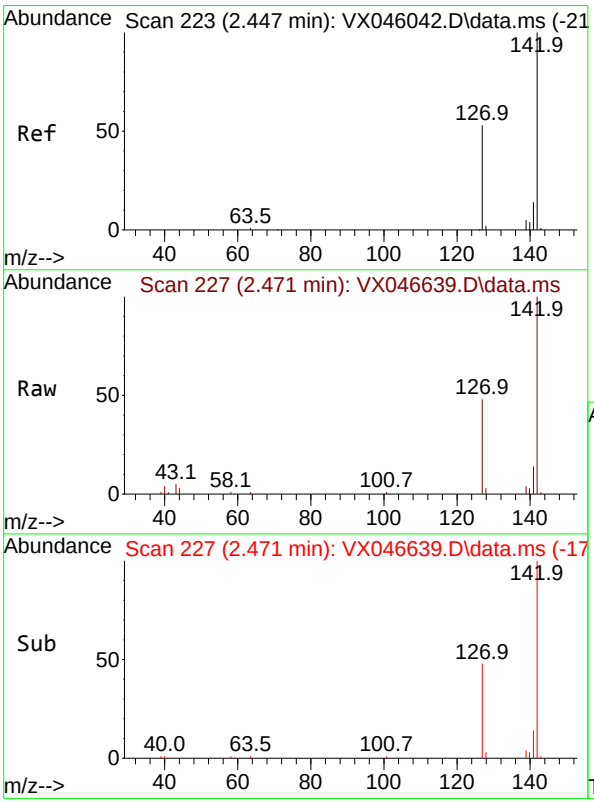
Ion	Ratio	Lower	Upper
101	100		
85	44.6	38.6	58.0
151	71.8	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

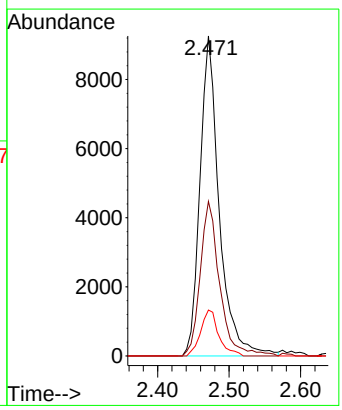
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

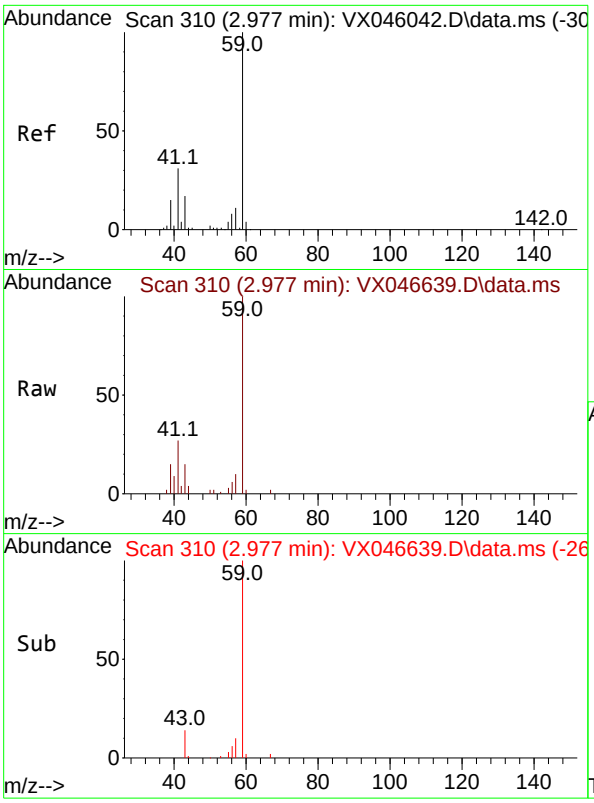


#10
Methyl Iodide
Concen: 15.335 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:142 Resp: 17332

Ion	Ratio	Lower	Upper
142	100		
127	48.7	41.7	62.5
141	13.5	11.5	17.3

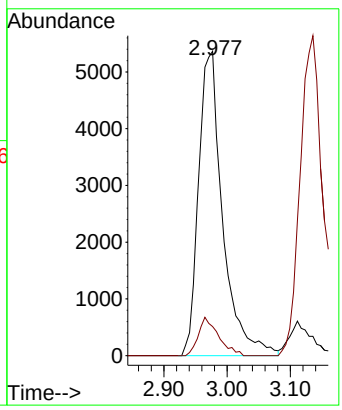




#11
Tert butyl alcohol
Concen: 90.811 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 59 Resp: 1423

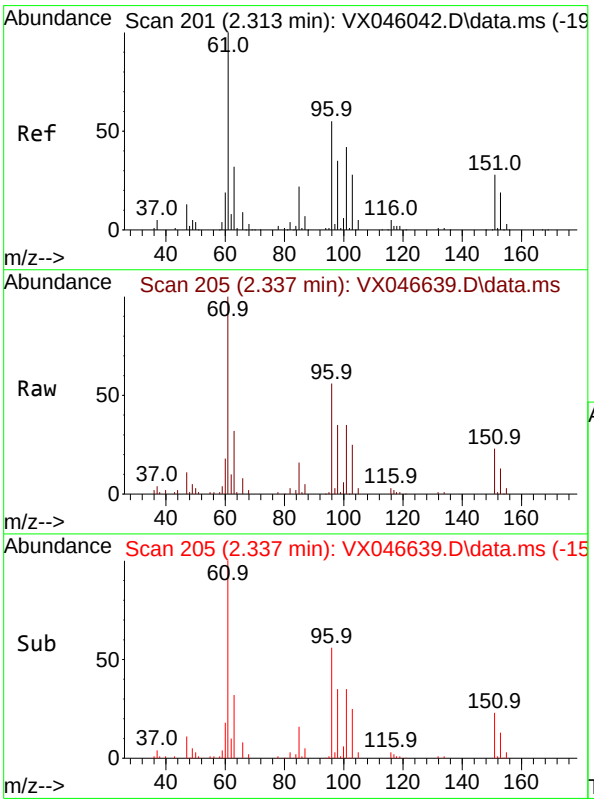
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

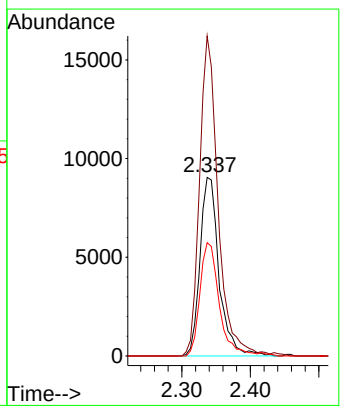
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

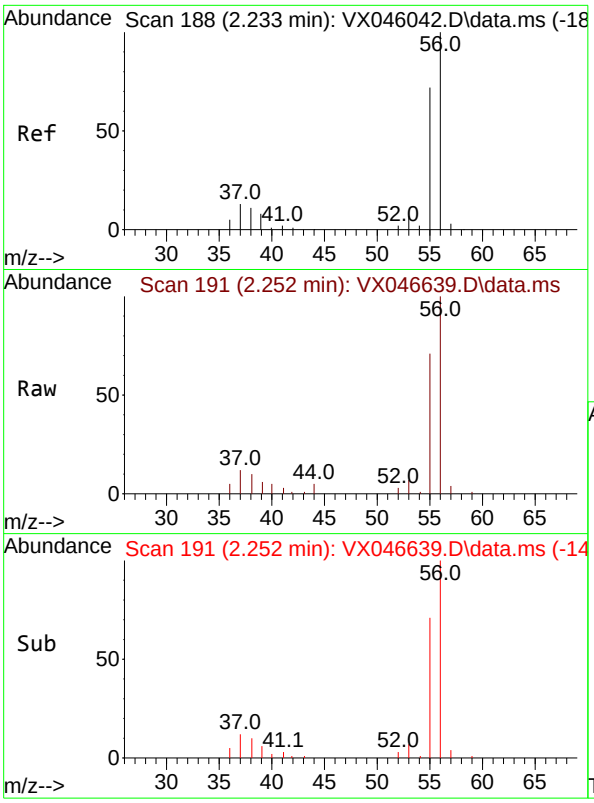


#12
1,1-Dichloroethene
Concen: 18.571 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 96 Resp: 17506

Ion	Ratio	Lower	Upper
96	100		
61	179.2	146.2	219.2
98	63.4	51.0	76.6

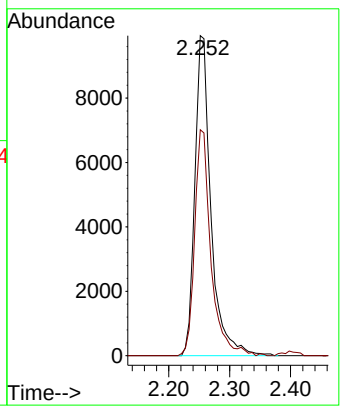




#13
Acrolein
Concen: 114.600 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 56 Resp: 1822

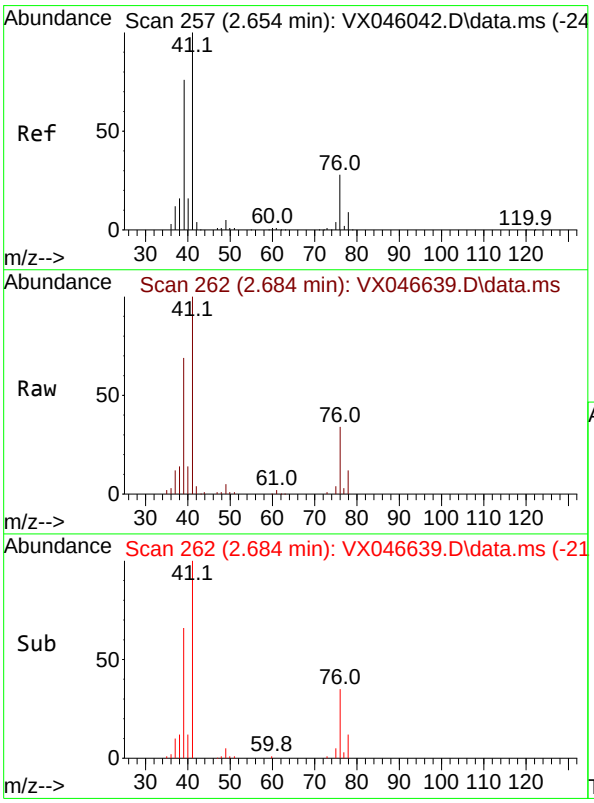
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

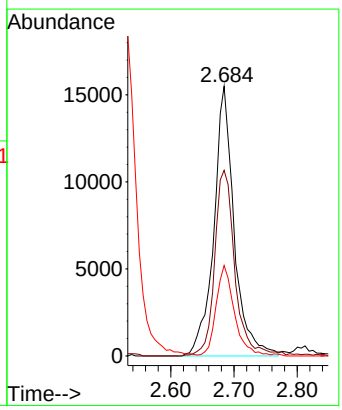
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

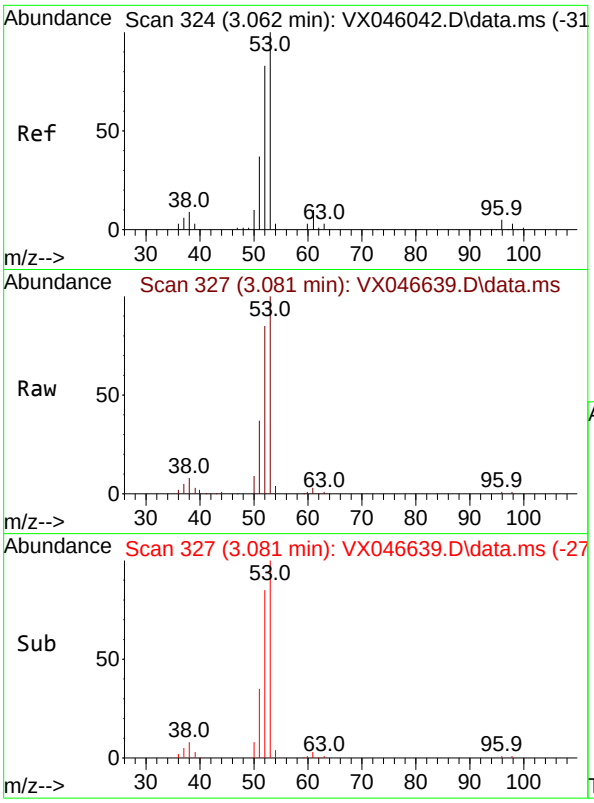


#14
Allyl chloride
Concen: 18.685 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 41 Resp: 34592

Ion	Ratio	Lower	Upper
41	100		
39	69.2	60.6	90.8
76	29.3	24.9	37.3

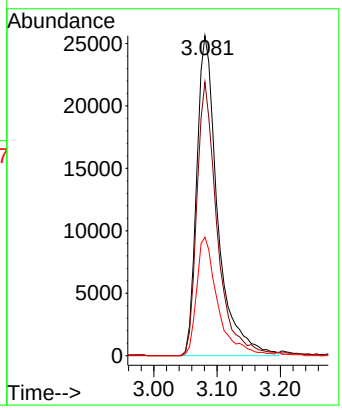




#15
Acrylonitrile
Concen: 99.599 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 53 Resp: 5902

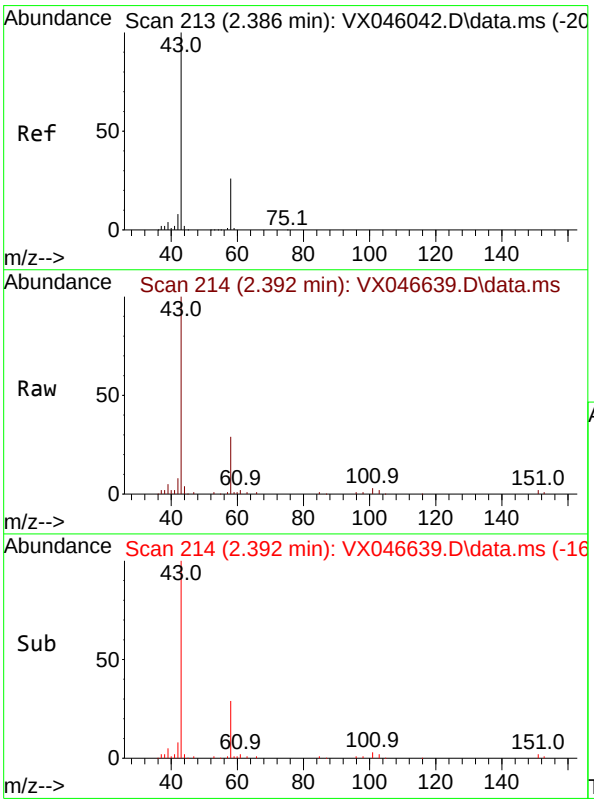
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.3	97.9
51	37.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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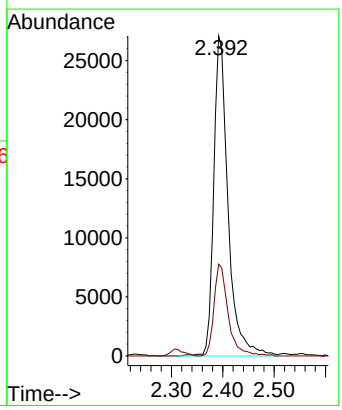
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

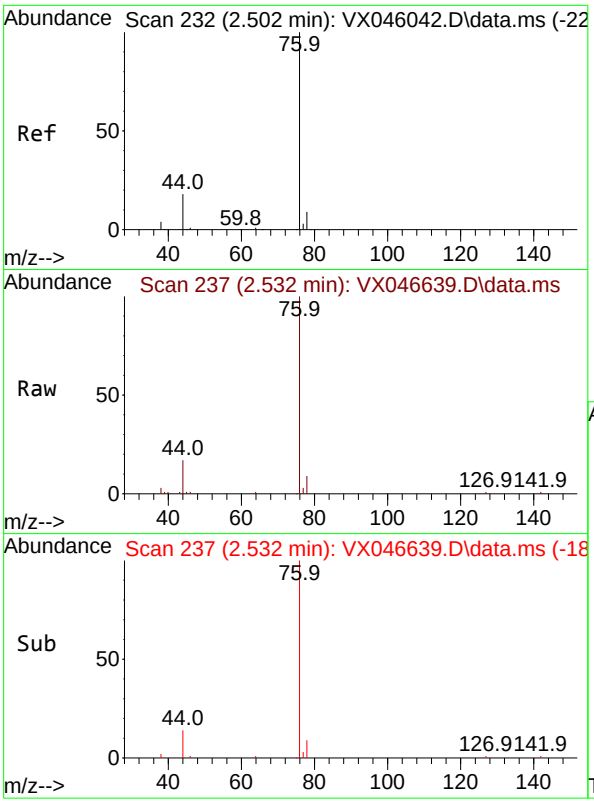


#16
Acetone
Concen: 97.283 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 52377

Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.2	31.8

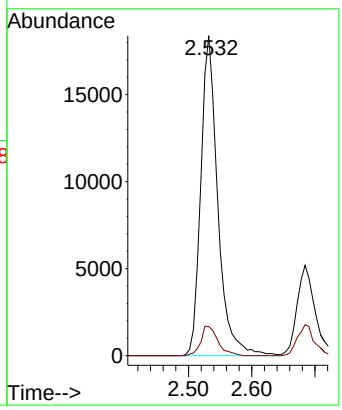




#17
Carbon Disulfide
Concen: 17.308 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 76 Resp: 3437

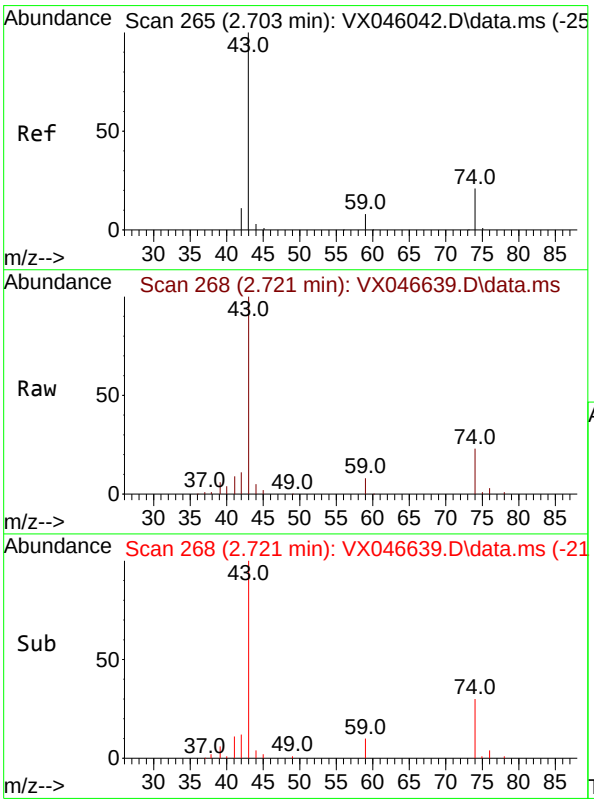
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

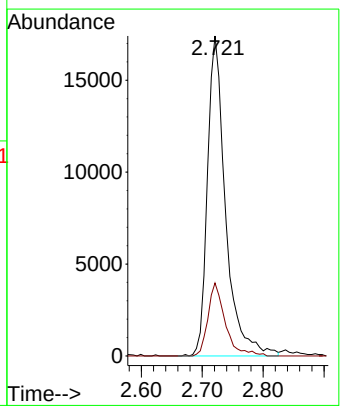
Reviewed By :John Carlone 06/12/2025
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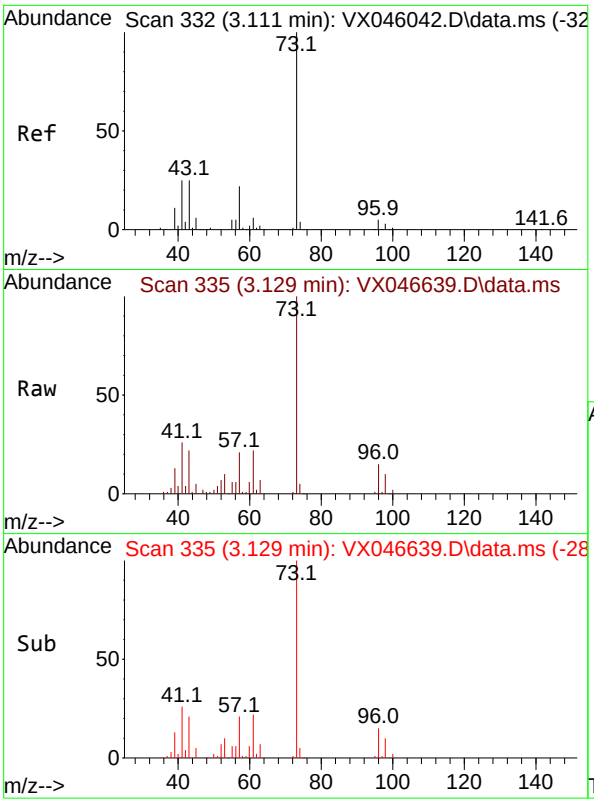


#18
Methyl Acetate
Concen: 21.391 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 35991

Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1

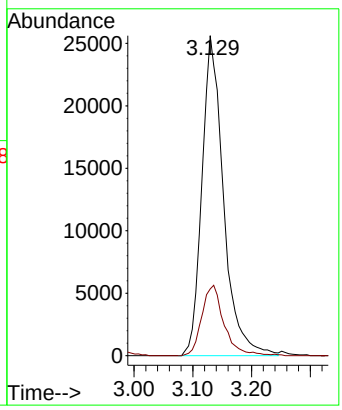




#19
Methyl tert-butyl Ether
Concen: 19.817 ug/l
RT: 3.129 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 73 Resp: 6536

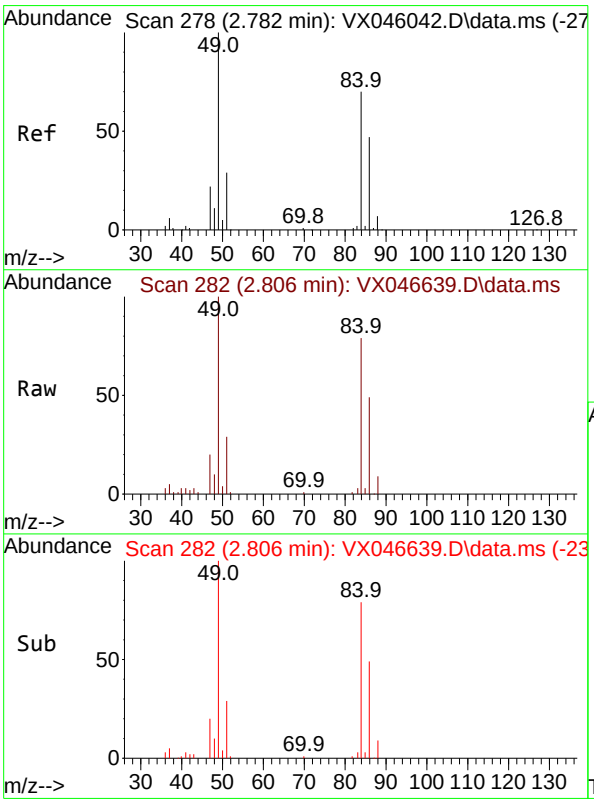
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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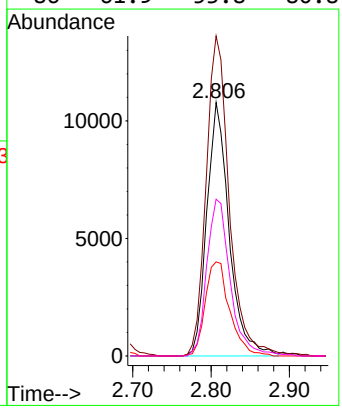
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

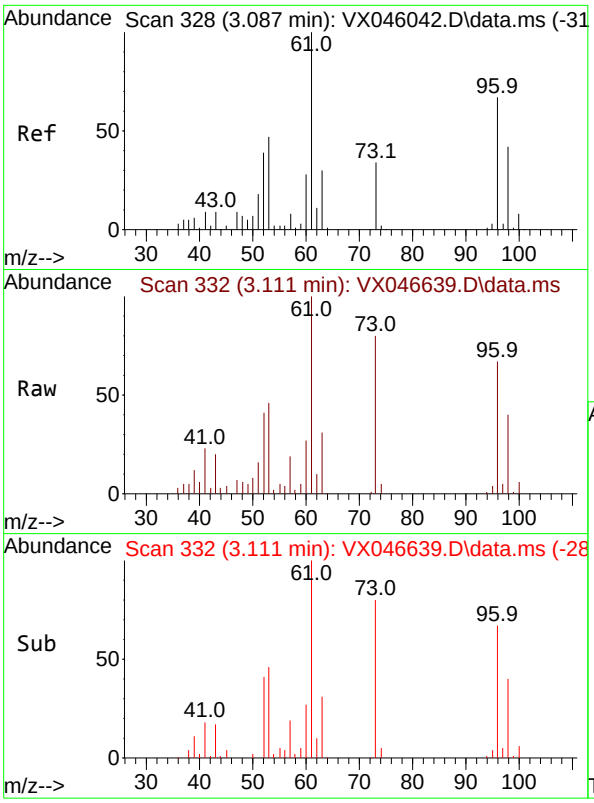


#20
Methylene Chloride
Concen: 18.883 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 84 Resp: 21399

Ion	Ratio	Lower	Upper
84	100		
49	126.3	113.9	170.9
51	37.1	33.5	50.3
86	61.9	53.8	80.8





#21
trans-1,2-Dichloroethene
Concen: 18.157 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

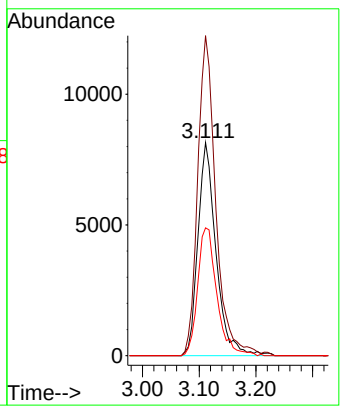
Tgt Ion: 96 Resp: 1811

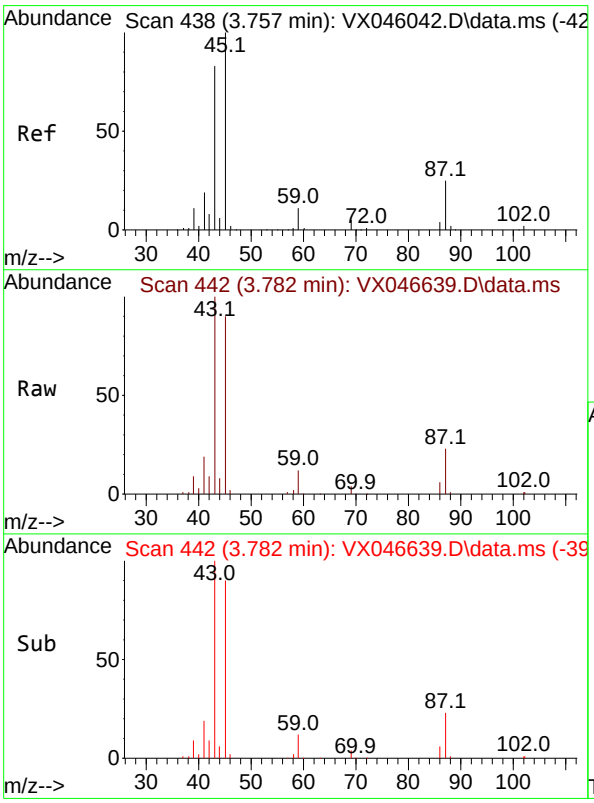
Ion	Ratio	Lower	Upper
96	100		
61	150.1	119.5	179.3
98	60.0	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

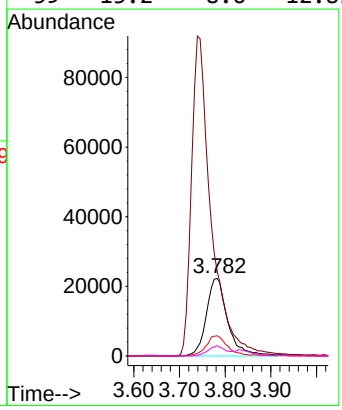


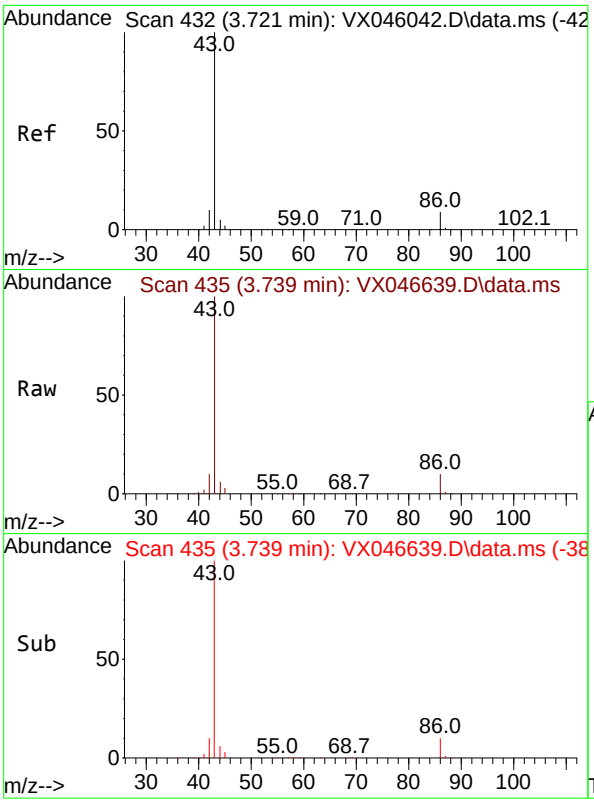


#22
Diisopropyl ether
Concen: 19.774 ug/l
RT: 3.782 min Scan# 442
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 45 Resp: 72174

Ion	Ratio	Lower	Upper
45	100		
43	110.5	66.6	100.0#
87	26.0	19.8	29.6
59	13.2	8.6	12.8#





#23
Vinyl Acetate
Concen: 98.316 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

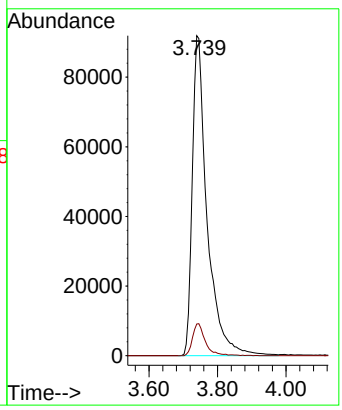
Tgt Ion: 43 Resp: 27705

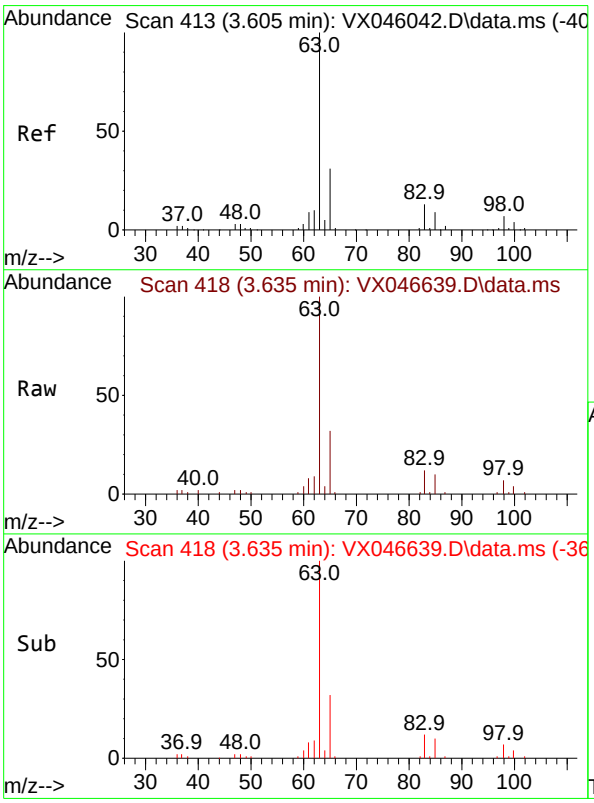
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

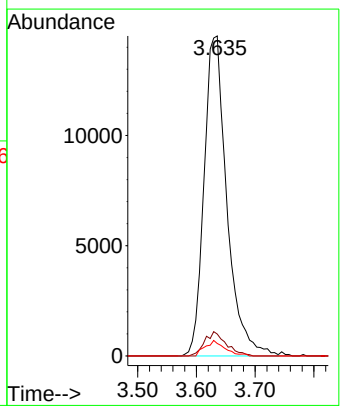


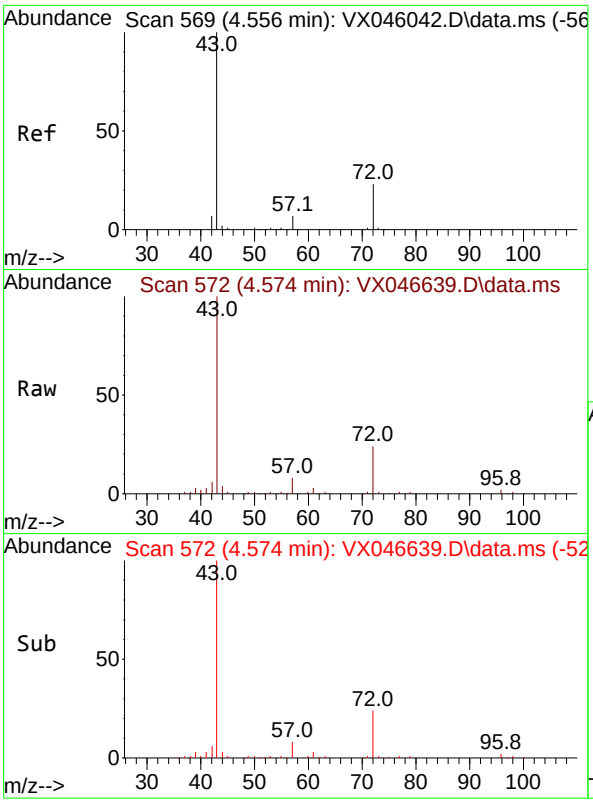


#24
1,1-Dichloroethane
Concen: 19.296 ug/l
RT: 3.635 min Scan# 418
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 63 Resp: 39252

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	3.9	2.1	6.3

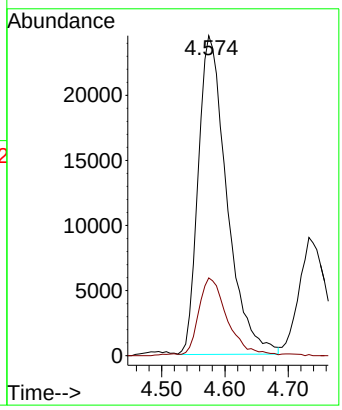




#25
2-Butanone
Concen: 97.951 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 7702

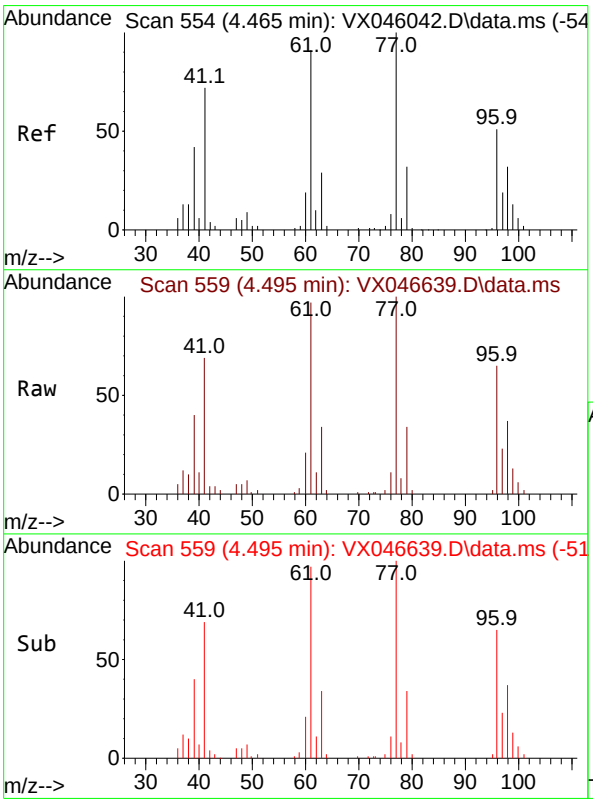
Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

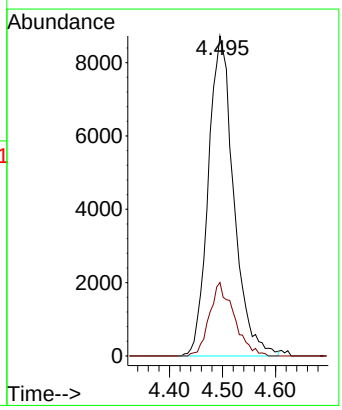
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

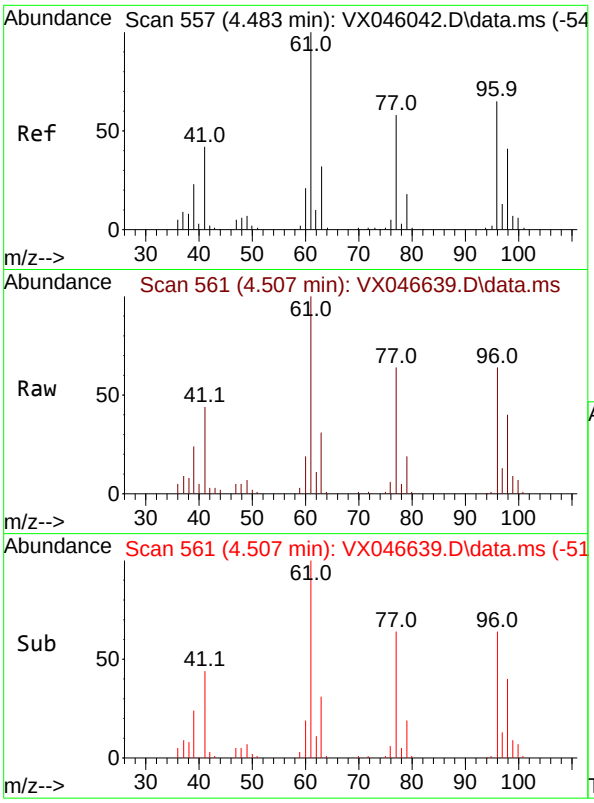


#26
2,2-Dichloropropane
Concen: 19.245 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 77 Resp: 29063

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.5	31.5

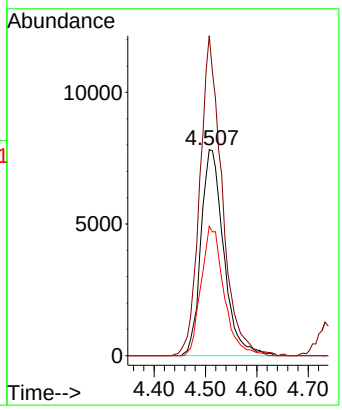




#27
cis-1,2-Dichloroethene
Concen: 19.625 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 96 Resp: 2410

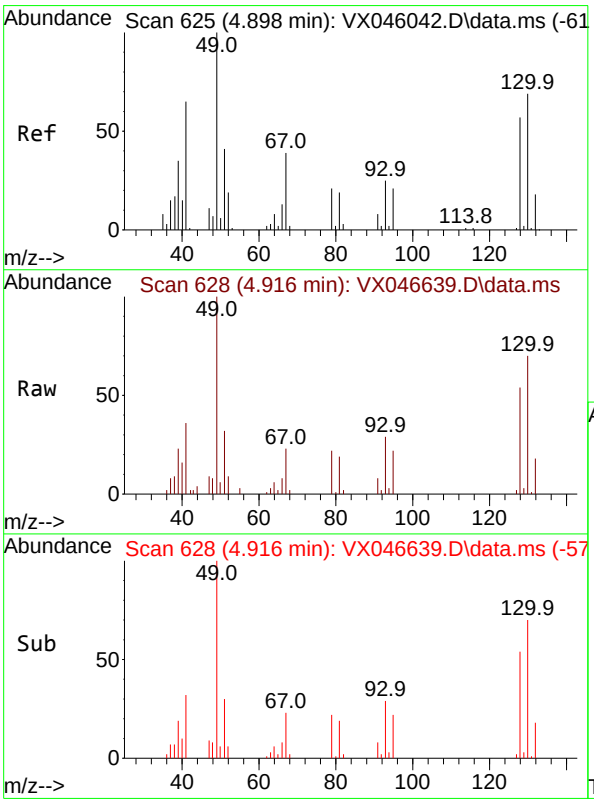
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	322.8
98	62.8	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

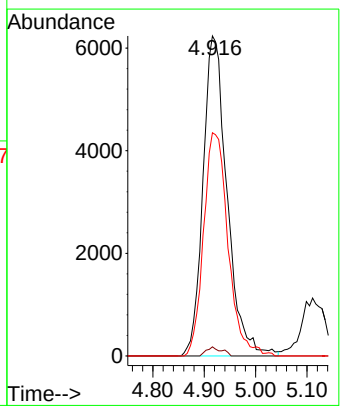
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

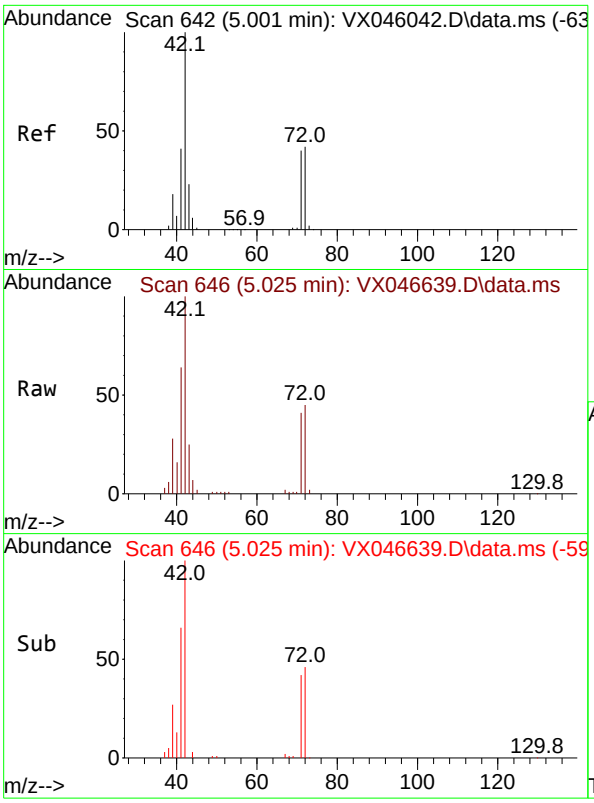


#28
Bromochloromethane
Concen: 20.868 ug/l
RT: 4.916 min Scan# 628
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 49 Resp: 20247

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	71.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 94.747 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

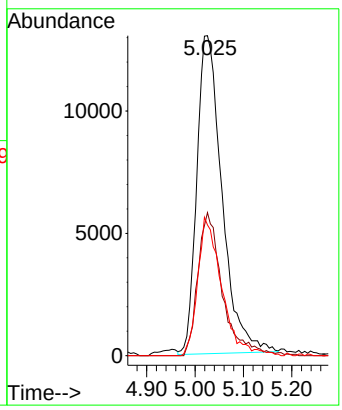
Tgt Ion: 42 Resp: 4705

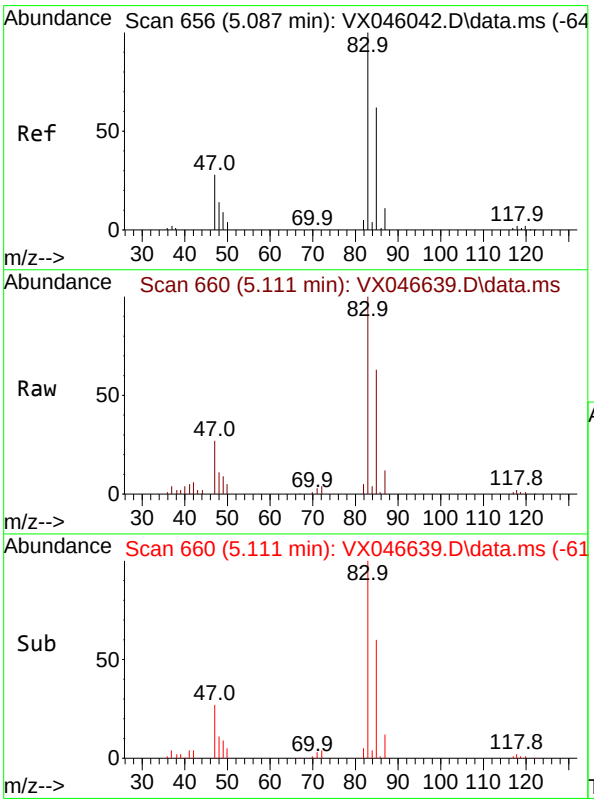
Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.7	50.5
71	41.5	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

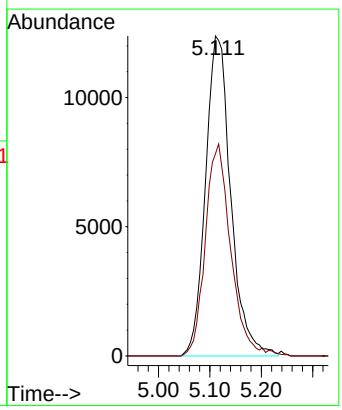


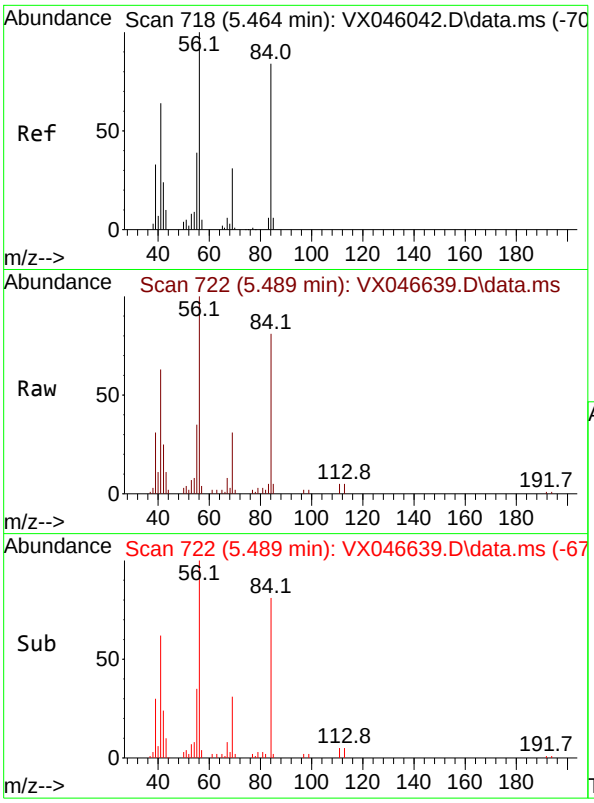


#30
Chloroform
Concen: 19.839 ug/l
RT: 5.111 min Scan# 660
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 83 Resp: 42286

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.3	73.9

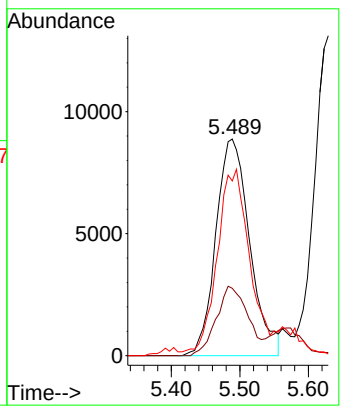




#31
Cyclohexane
Concen: 18.562 ug/l
RT: 5.489 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 56 Resp: 3048

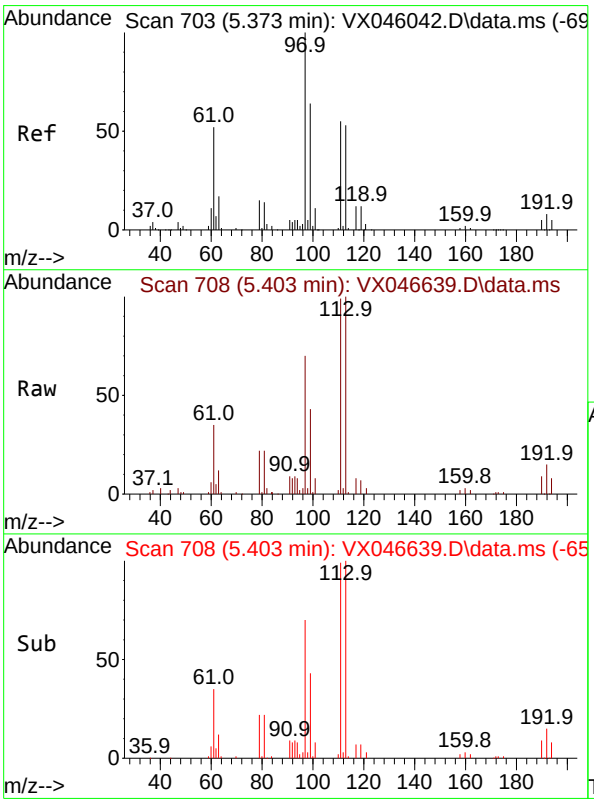
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	78.9	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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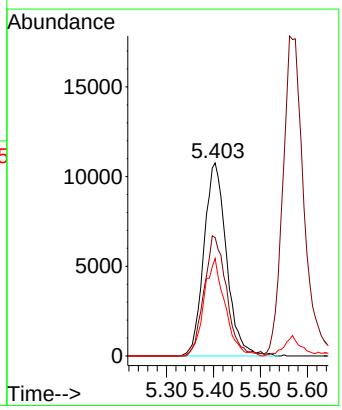
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

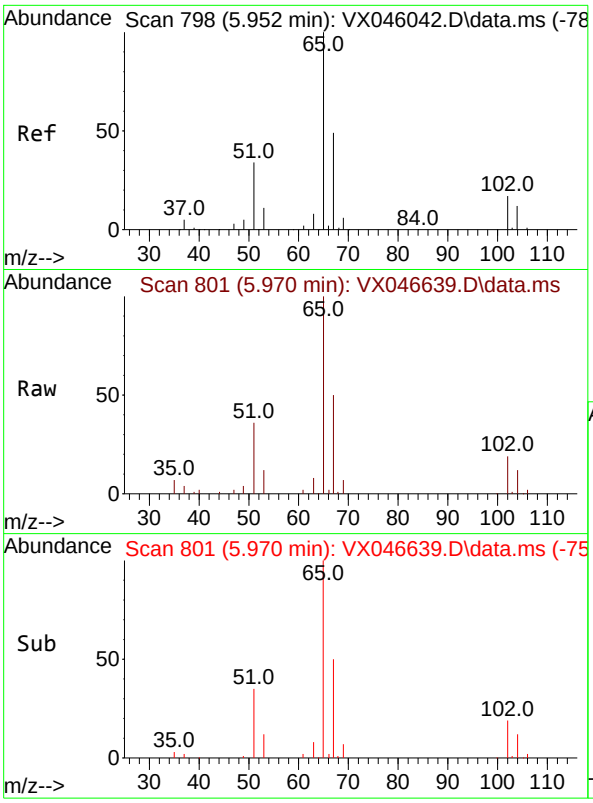


#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 97 Resp: 35963

Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.8	77.6
61	47.1	40.1	60.1

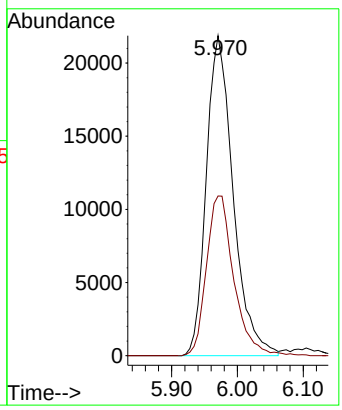




#33
1,2-Dichloroethane-d4
Concen: 43.960 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 65 Resp: 6209

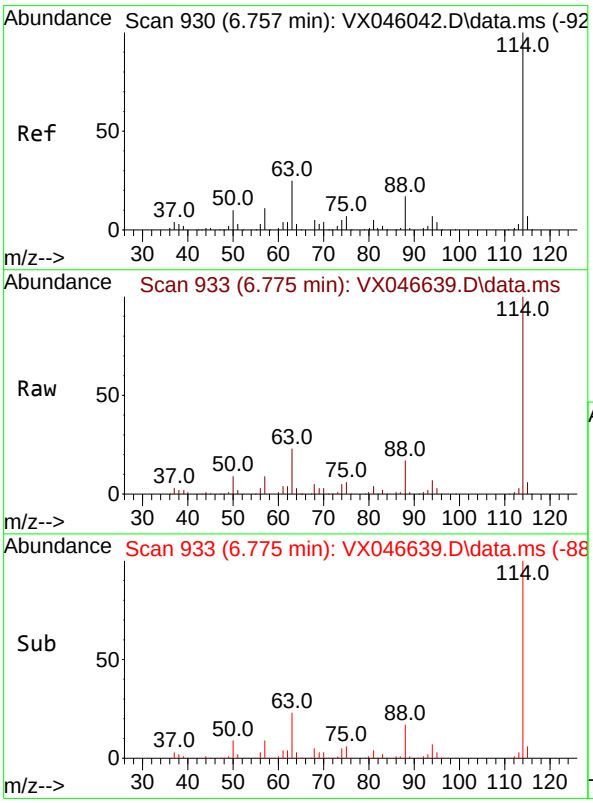
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

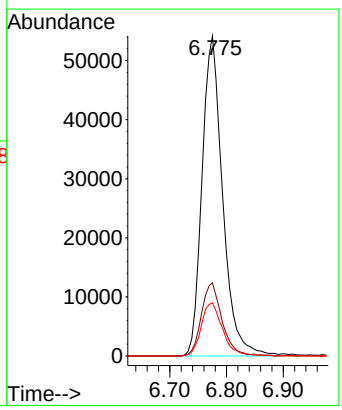
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

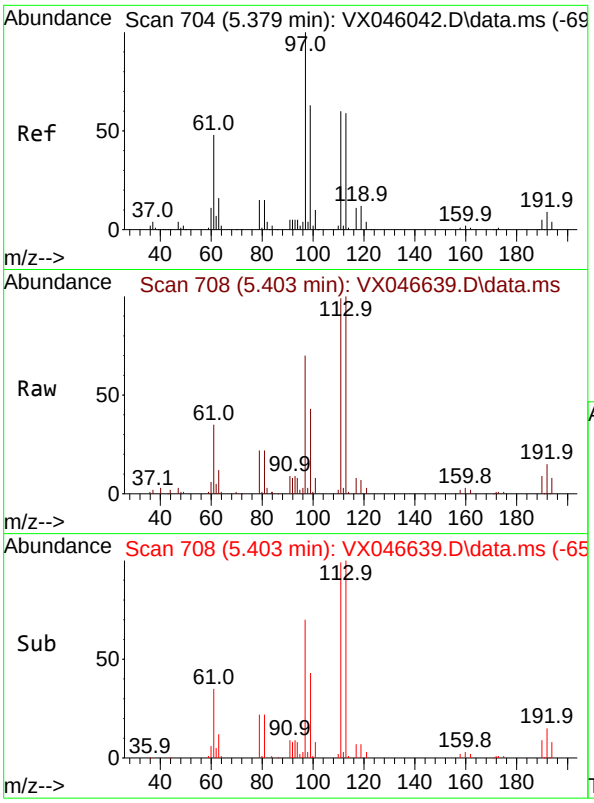


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:114 Resp: 136732

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	49.2
88	16.6	0.0	33.6

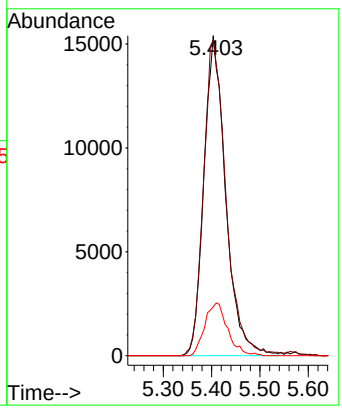




#35
Dibromofluoromethane
Concen: 47.797 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:113 Resp: 4806

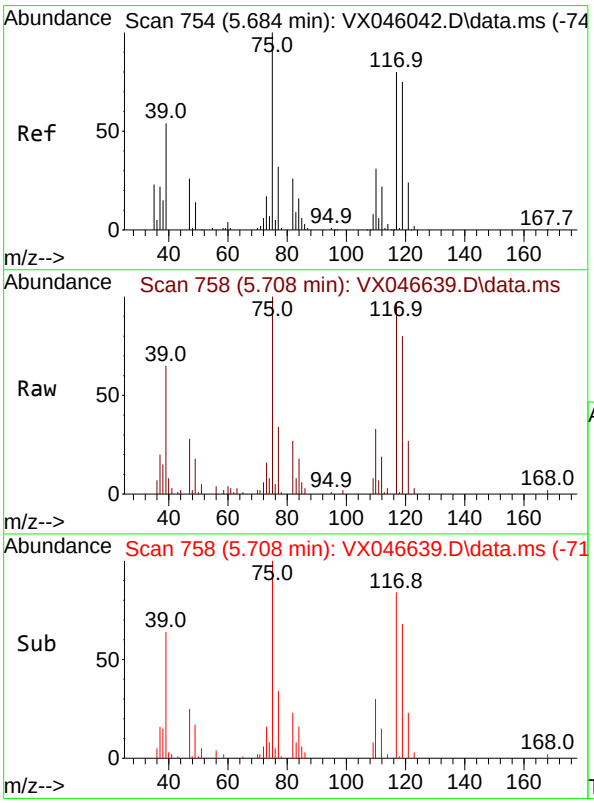
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	17.3	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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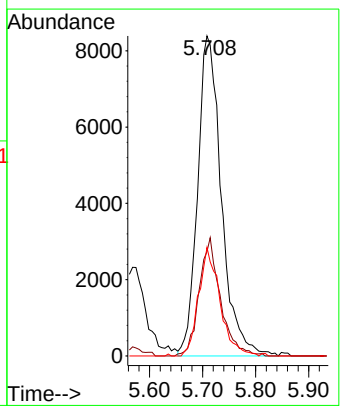
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

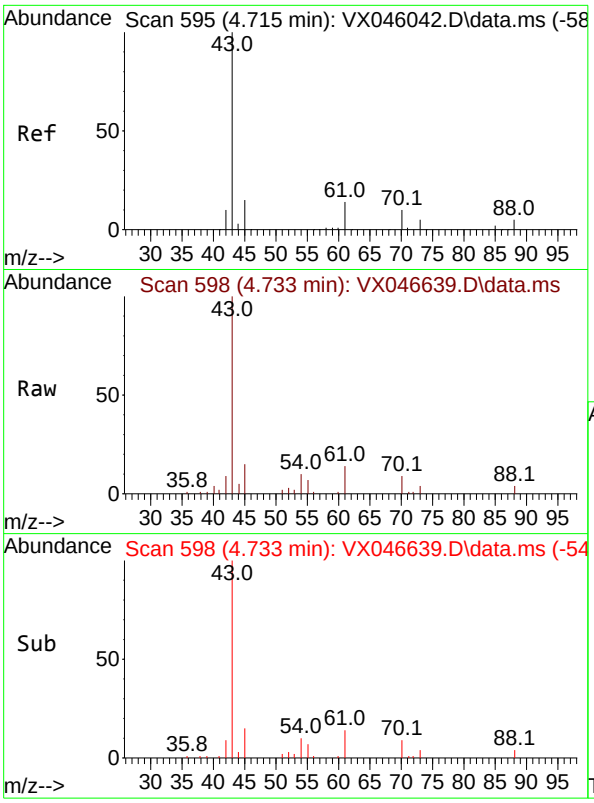


#36
1,1-Dichloropropene
Concen: 18.210 ug/l
RT: 5.708 min Scan# 758
Delta R.T. -0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 26155

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.3	48.9
77	30.4	24.3	36.5

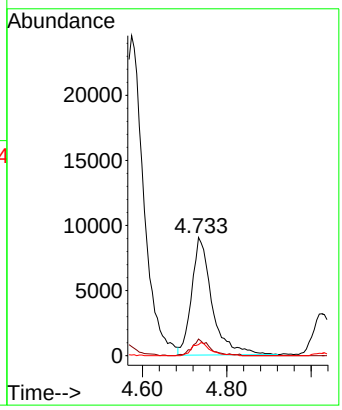




#37
Ethyl Acetate
Concen: 21.671 ug/l
RT: 4.733 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

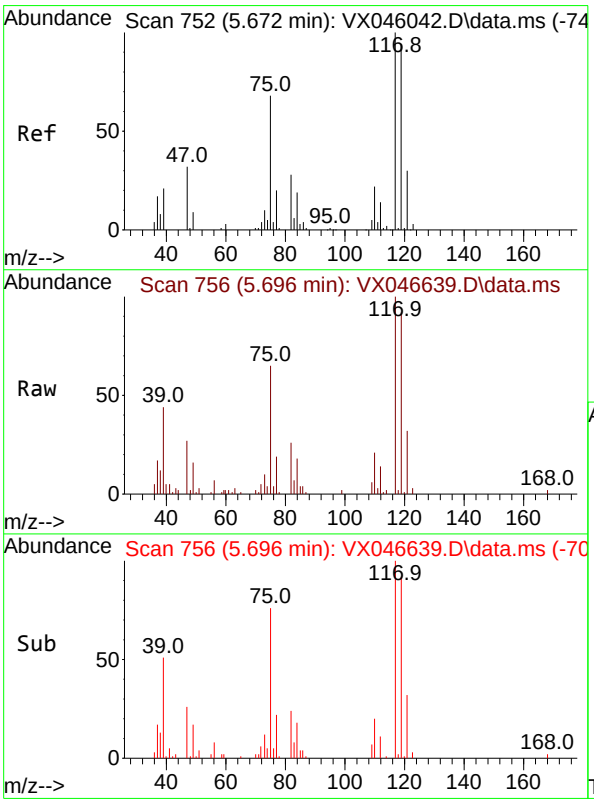
Tgt Ion: 43 Resp: 3037

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

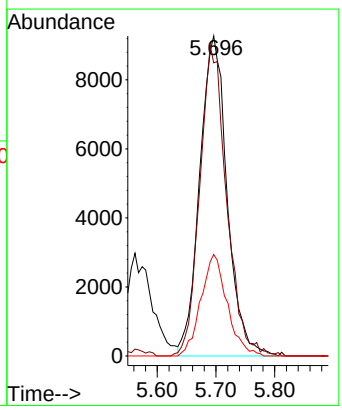
Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

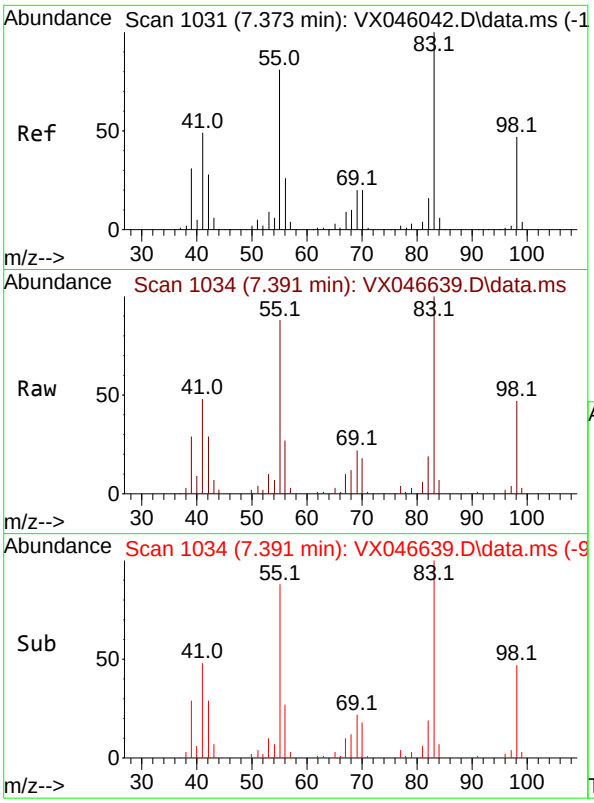


#38
Carbon Tetrachloride
Concen: 18.661 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:117 Resp: 30021

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.2	112.8
121	31.7	24.2	36.4

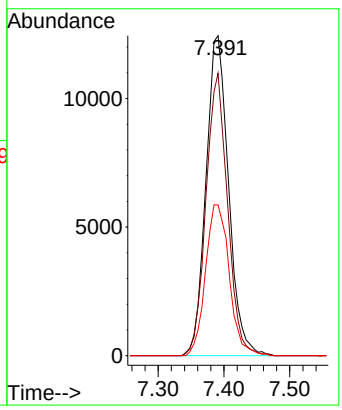




#39
Methylcyclohexane
Concen: 17.554 ug/l
RT: 7.391 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 83 Resp: 2976

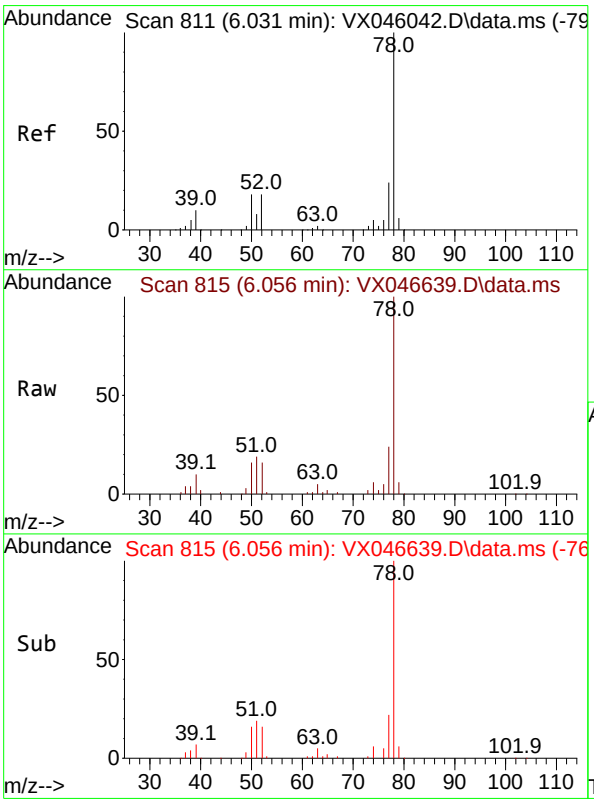
Ion	Ratio	Lower	Upper
83	100		
55	88.2	64.7	97.1
98	47.1	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

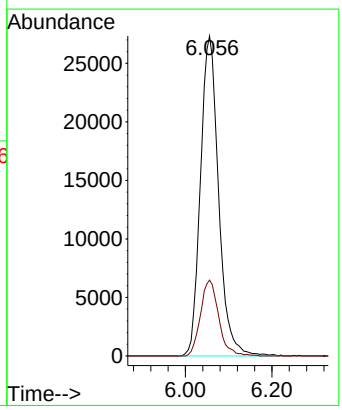
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

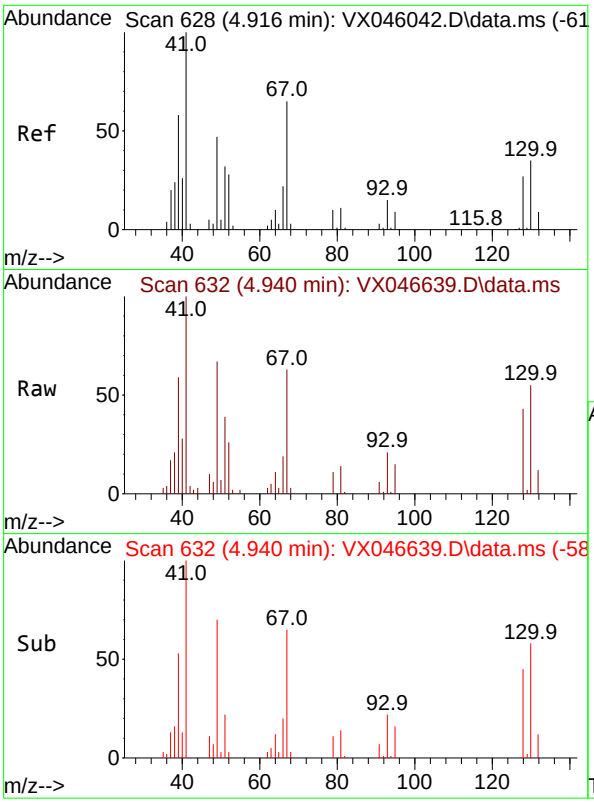


#40
Benzene
Concen: 19.630 ug/l
RT: 6.056 min Scan# 815
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 78 Resp: 79373

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

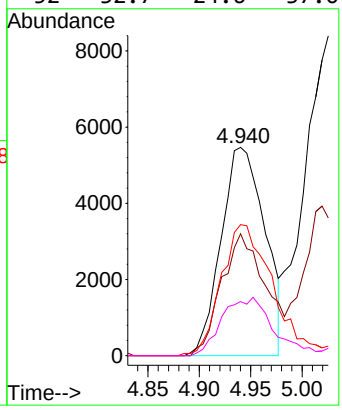




#41
Methacrylonitrile
Concen: 18.672 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 41 Resp: 1625

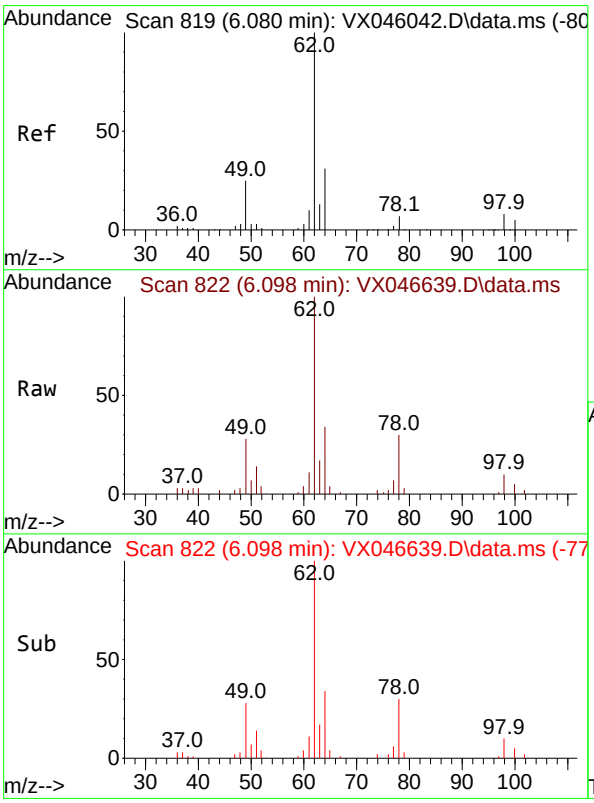
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.2	70.8
67	76.1	50.7	76.1
52	32.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

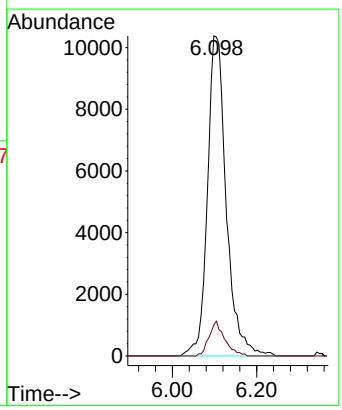
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

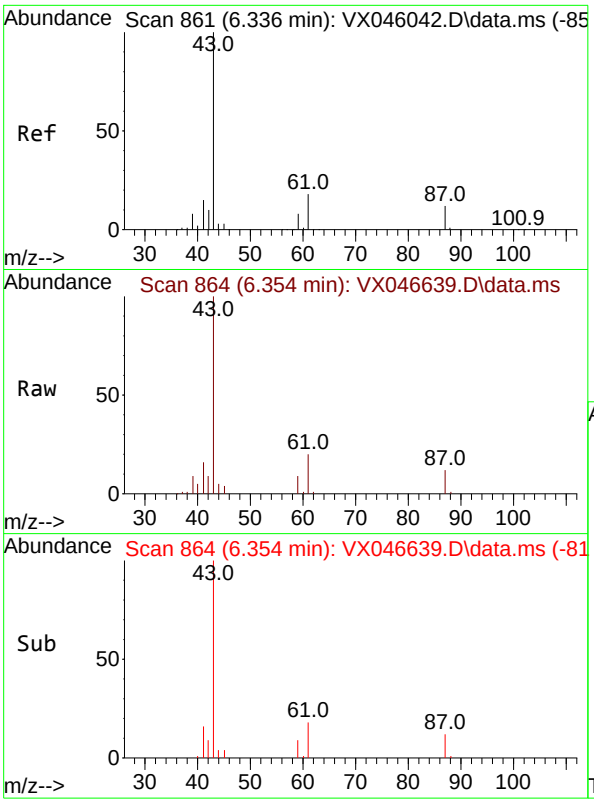


#42
1,2-Dichloroethane
Concen: 19.112 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 62 Resp: 32150

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.2

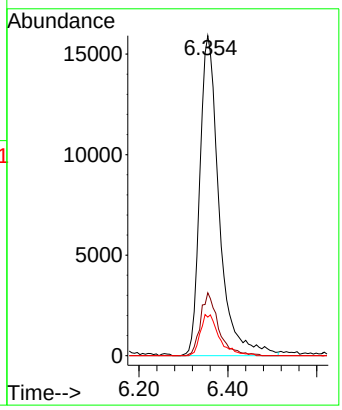




#43
Isopropyl Acetate
Concen: 19.720 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

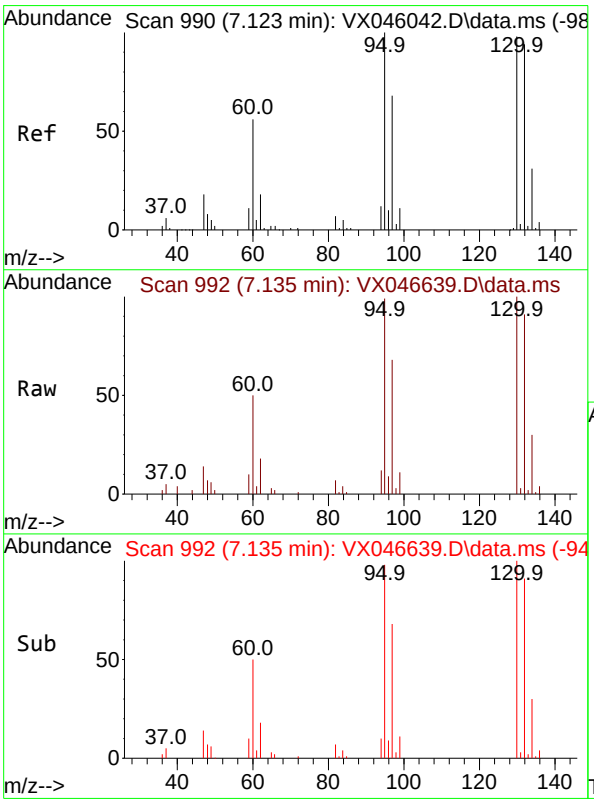
Tgt Ion: 43 Resp: 4819

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.3	21.5
87	12.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

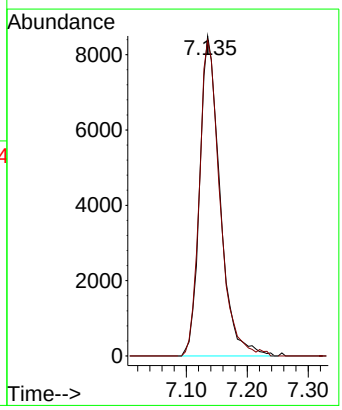
Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

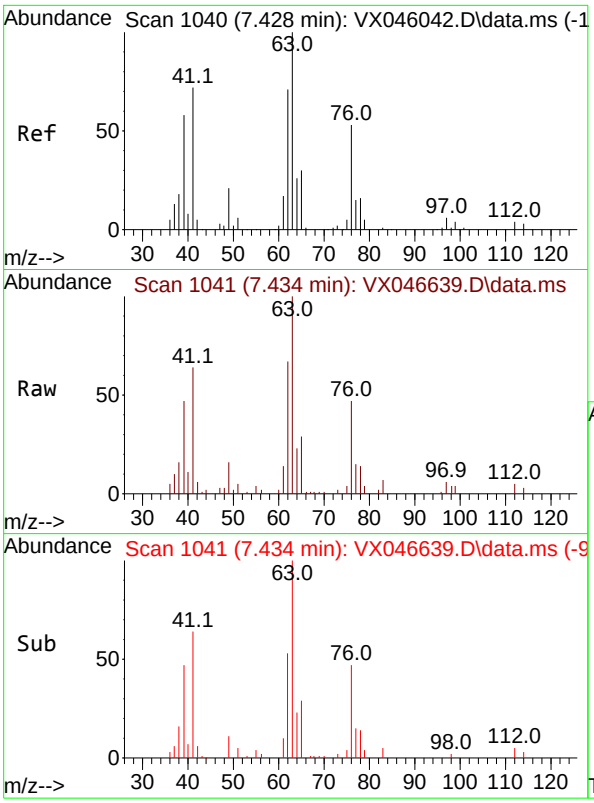


#44
Trichloroethene
Concen: 19.160 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:130 Resp: 19685

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.2

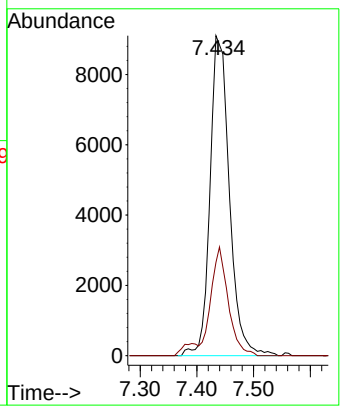




#45
1,2-Dichloropropane
Concen: 20.731 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 63 Resp: 2163

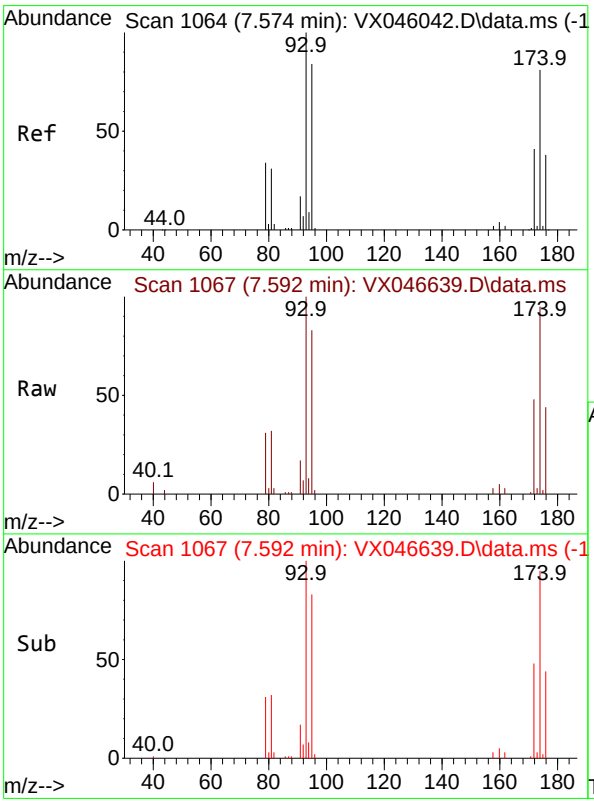
Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

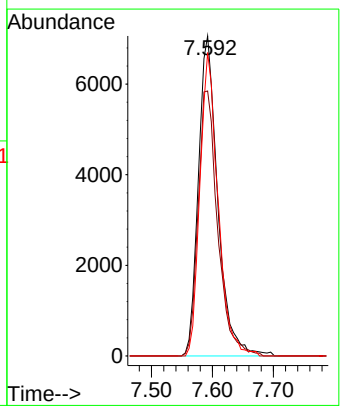
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

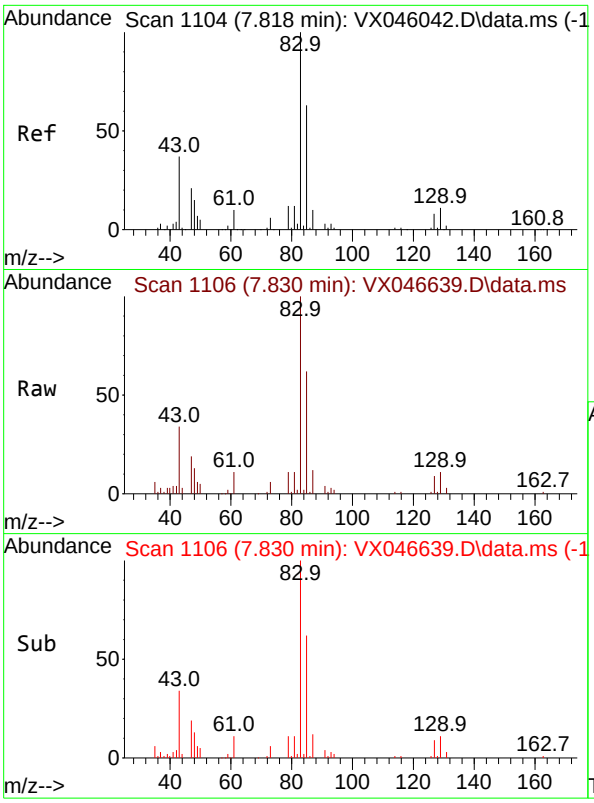


#46
Dibromomethane
Concen: 19.851 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 93 Resp: 15586

Ion	Ratio	Lower	Upper
93	100		
95	83.9	65.6	98.4
174	88.7	68.2	102.2

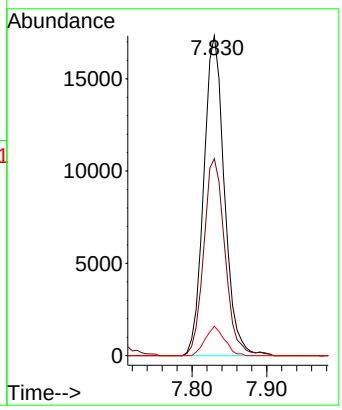




#47
Bromodichloromethane
Concen: 20.608 ug/l
RT: 7.830 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 83 Resp: 3327

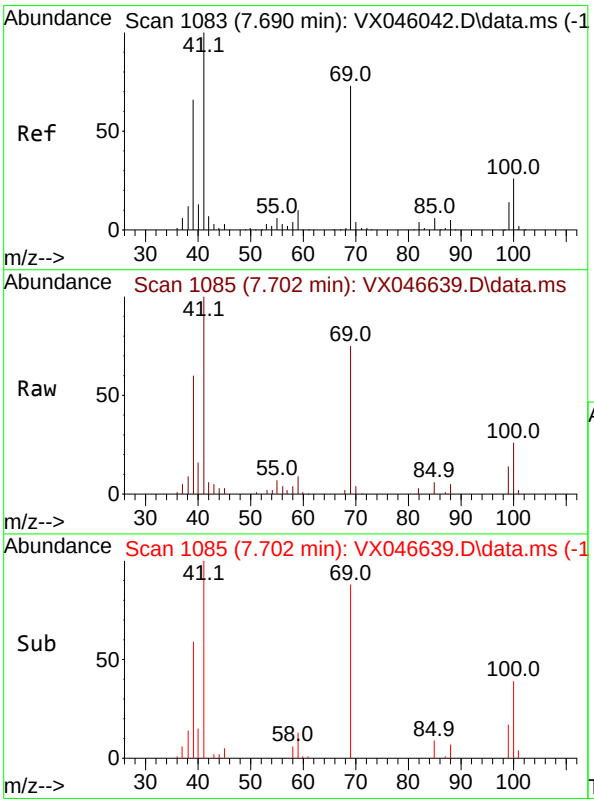
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.5	75.7
127	9.2	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

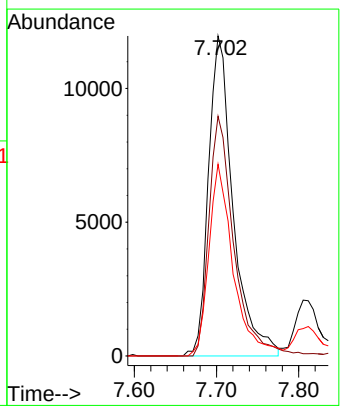
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

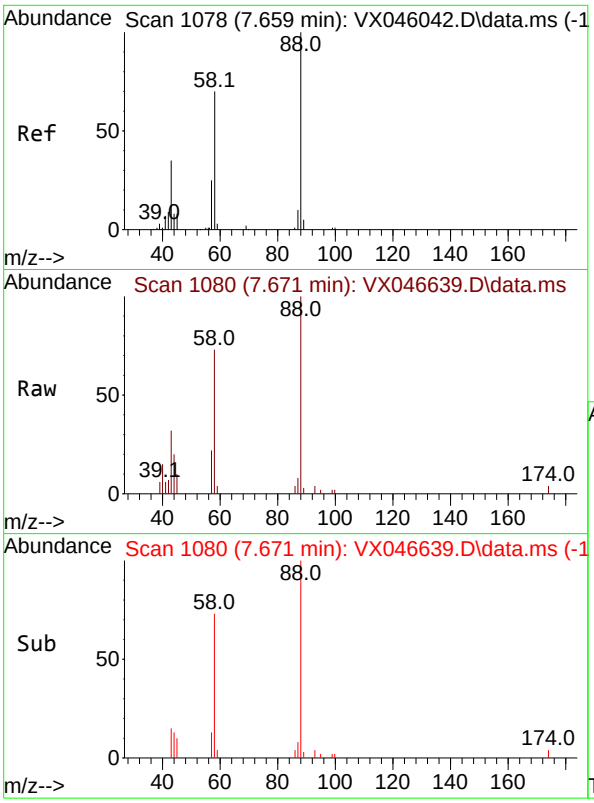


#48
Methyl methacrylate
Concen: 19.765 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 41 Resp: 24852

Ion	Ratio	Lower	Upper
41	100		
69	76.7	58.5	87.7
39	59.6	51.7	77.5

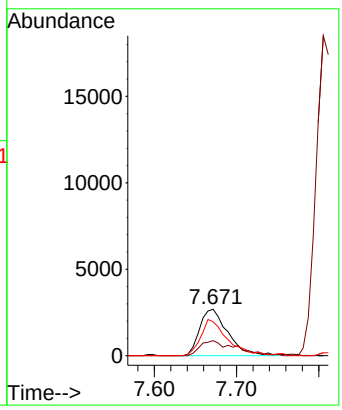




#49
1,4-Dioxane
Concen: 379.544 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 88 Resp: 638

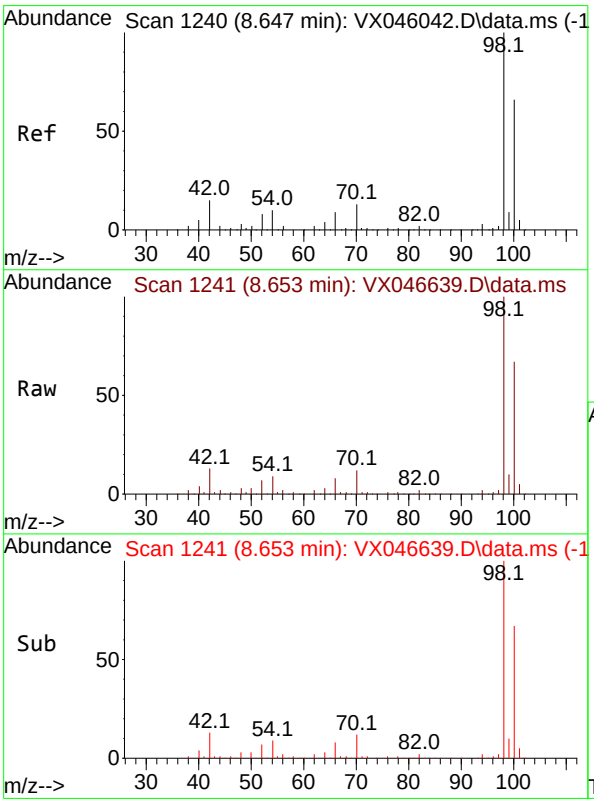
Ion	Ratio	Lower	Upper
88	100		
43	40.8	33.4	50.2
58	73.6	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

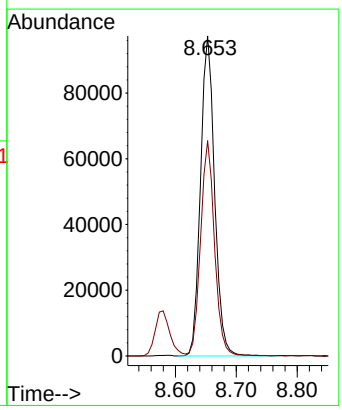
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

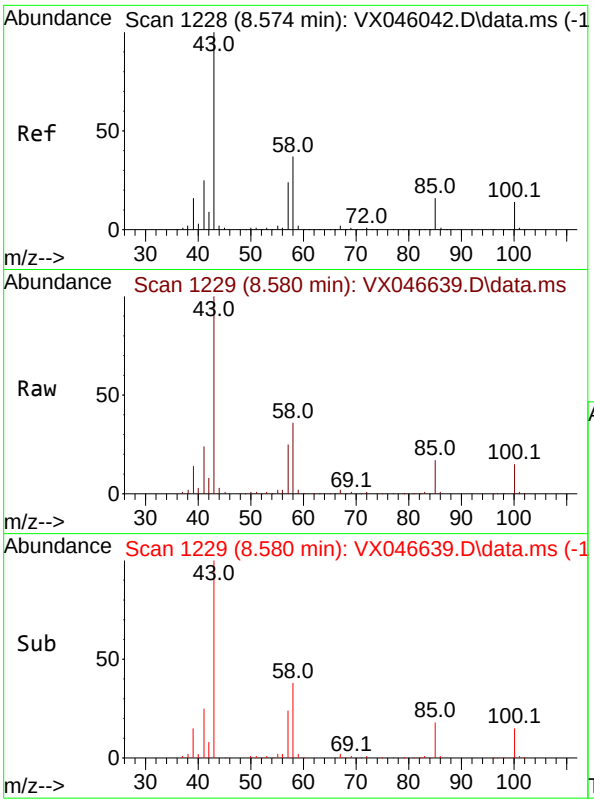


#50
Toluene-d8
Concen: 47.195 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 98 Resp: 156454

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.5	80.3

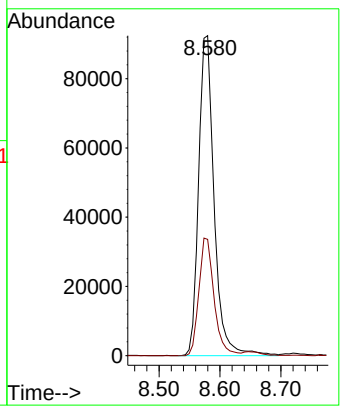




#51
4-Methyl-2-Pentanone
Concen: 105.244 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 16344

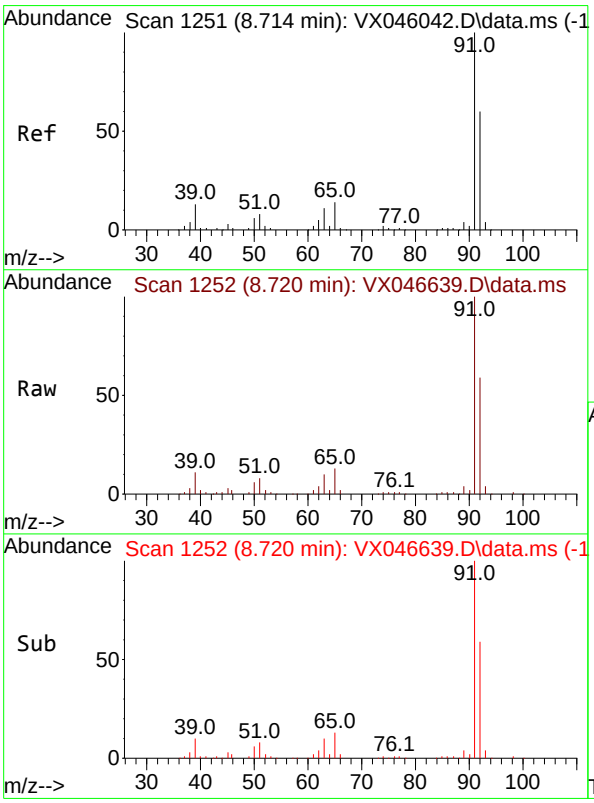
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

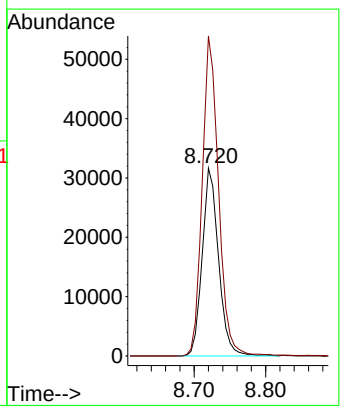
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

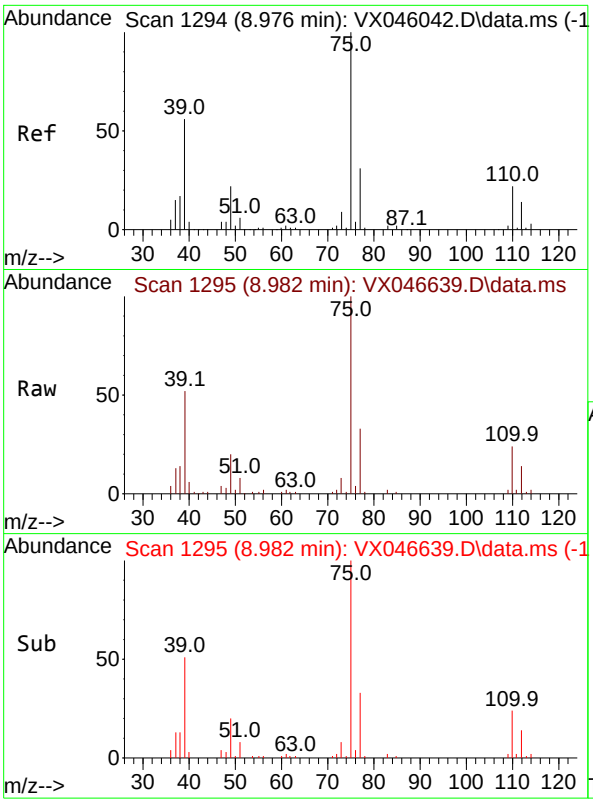


#52
Toluene
Concen: 20.210 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 92 Resp: 50204

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0

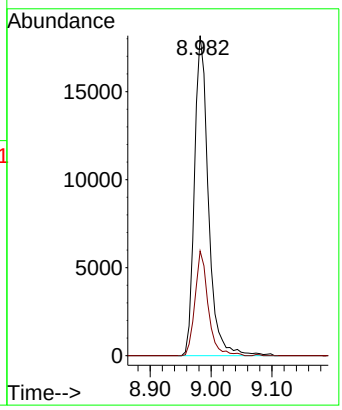




#53
t-1,3-Dichloropropene
Concen: 19.980 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 2892

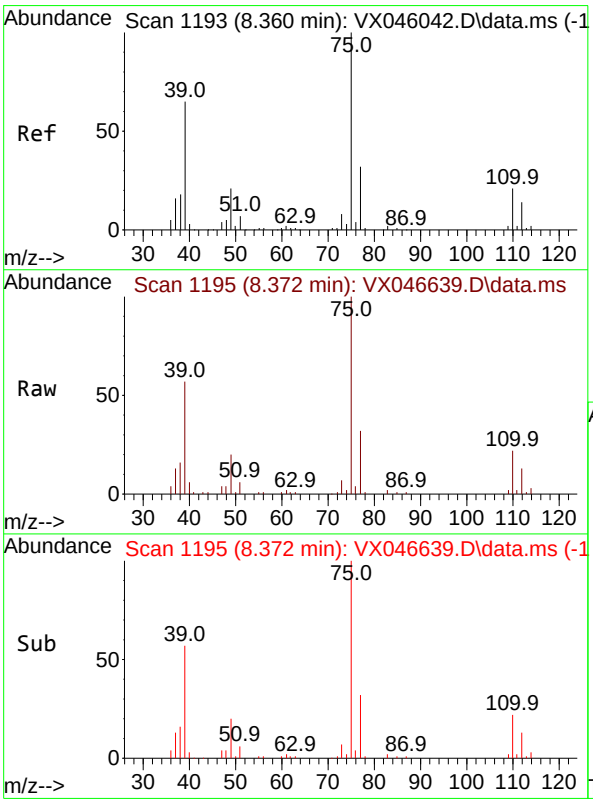
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

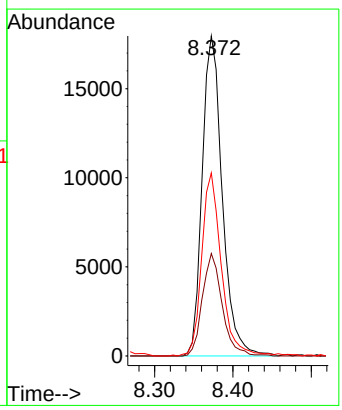
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

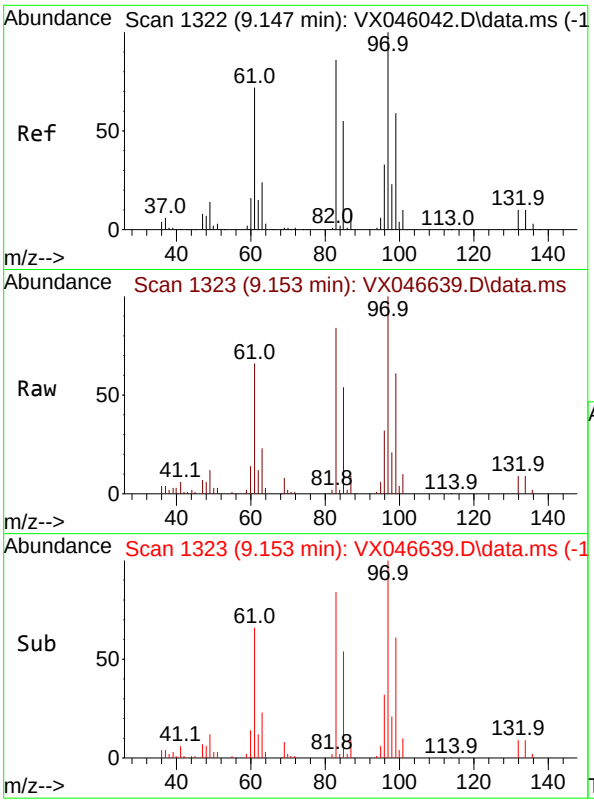


#54
cis-1,3-Dichloropropene
Concen: 19.887 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 32006

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	57.2	52.2	78.4

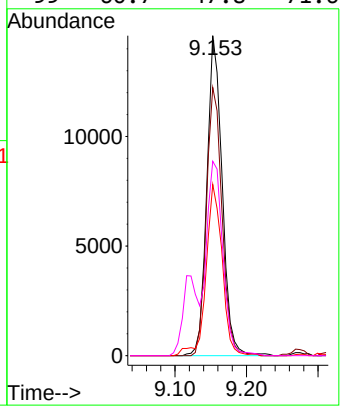




#55
1,1,2-Trichloroethane
Concen: 21.763 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

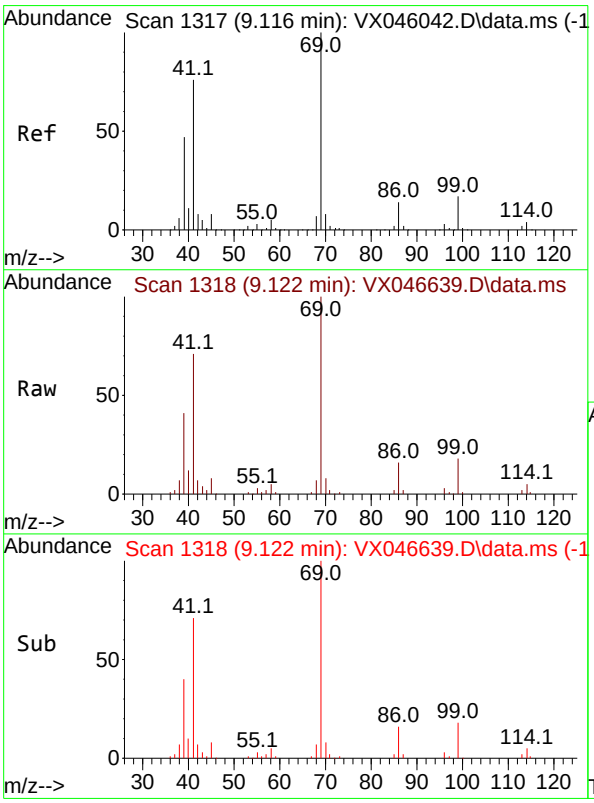
Tgt Ion: 97 Resp: 2170

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.0	103.6
85	53.5	44.3	66.5
99	60.7	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

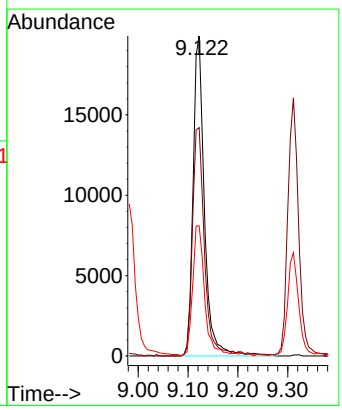
Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

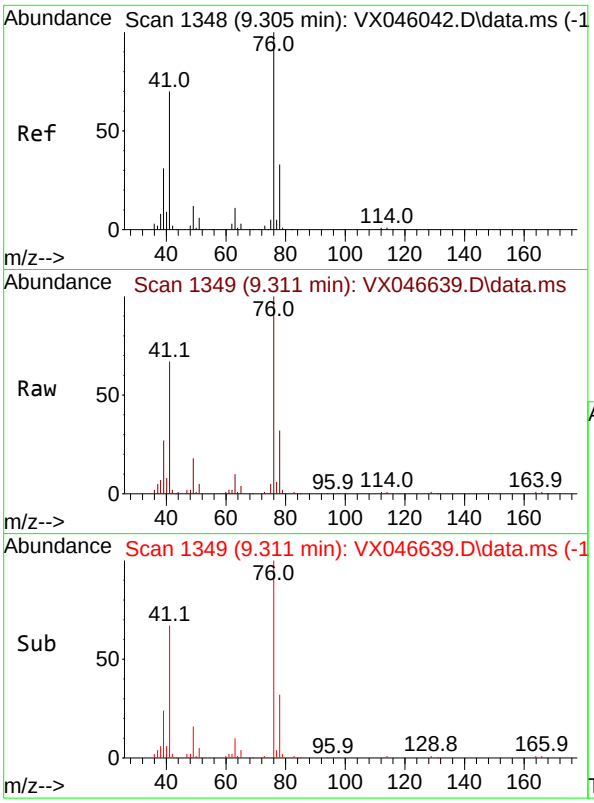


#56
Ethyl methacrylate
Concen: 20.532 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 69 Resp: 31509

Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.8	91.2
39	43.4	39.0	58.6

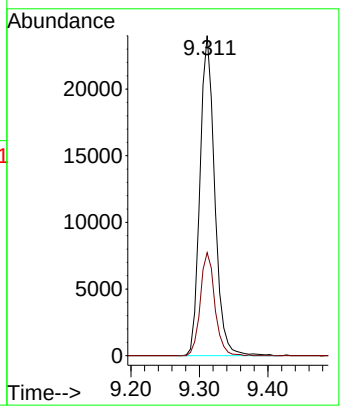




#57
1,3-Dichloropropane
Concen: 20.418 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 76 Resp: 3598

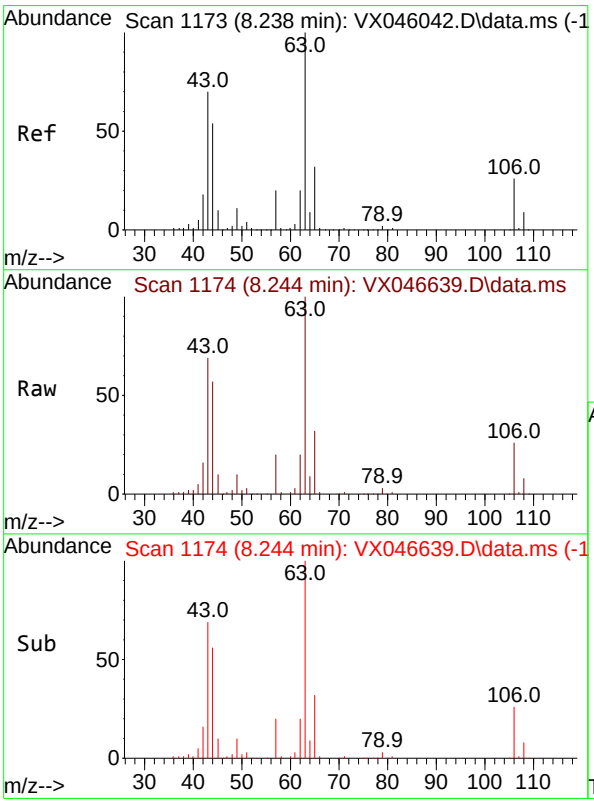
Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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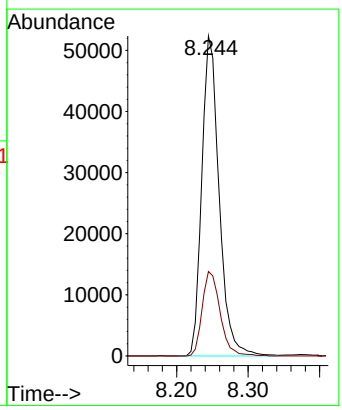
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

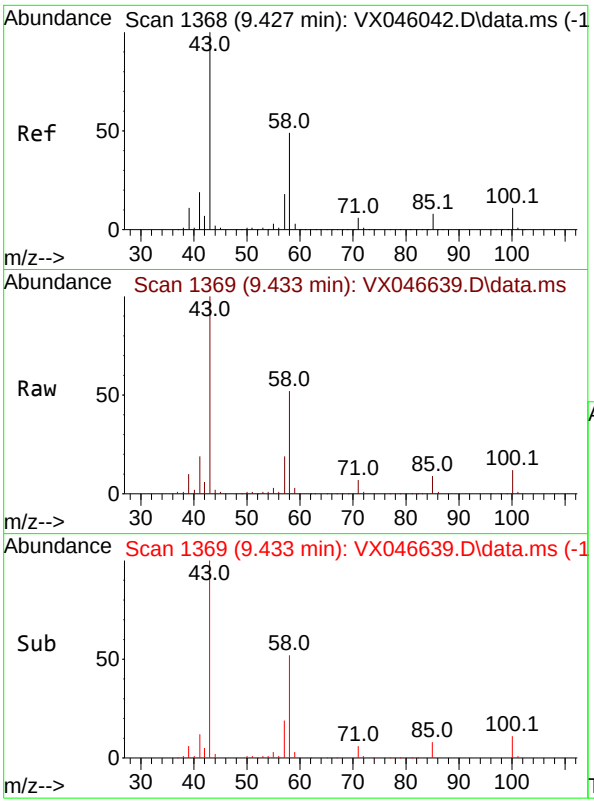


#58
2-Chloroethyl Vinyl ether
Concen: 105.474 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 63 Resp: 88166

Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3

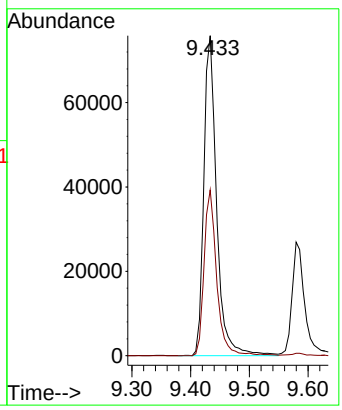




#59
2-Hexanone
Concen: 103.306 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 11506

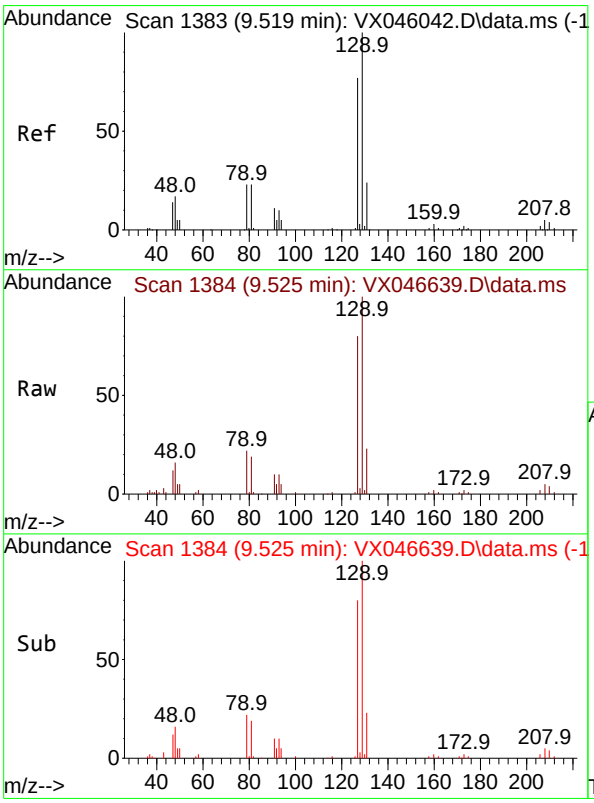
Ion	Ratio	Lower	Upper
43	100		
58	51.2	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

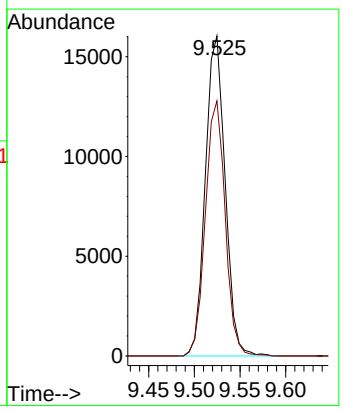
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

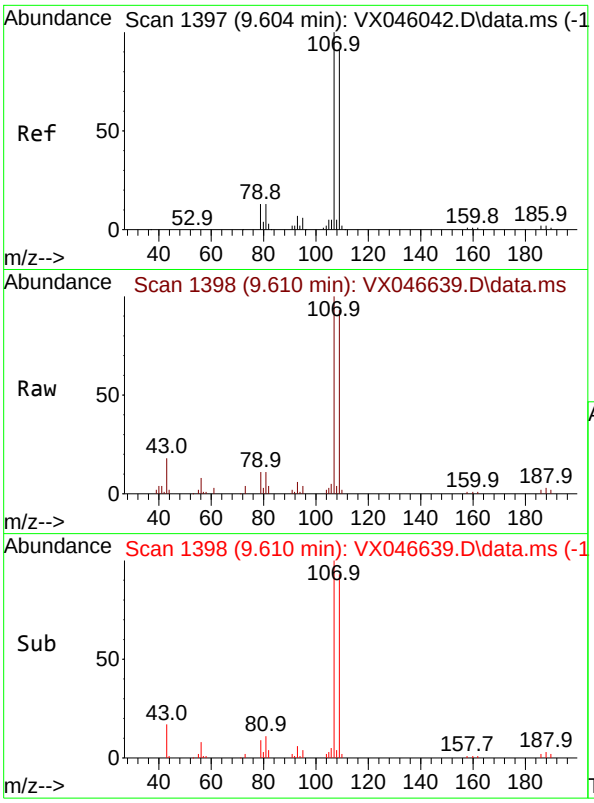


#60
Dibromochloromethane
Concen: 20.516 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:129 Resp: 24066

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.3	117.8

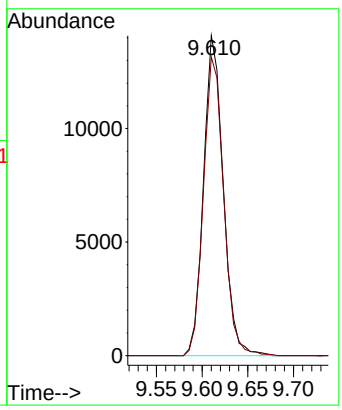




#61
1,2-Dibromoethane
Concen: 20.281 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:107 Resp: 2107

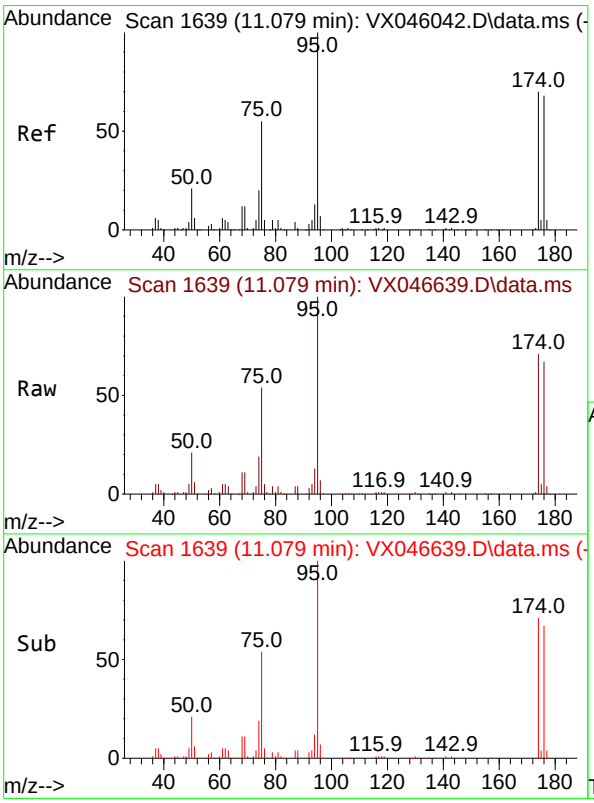
Ion	Ratio	Lower	Upper
107	100		
109	95.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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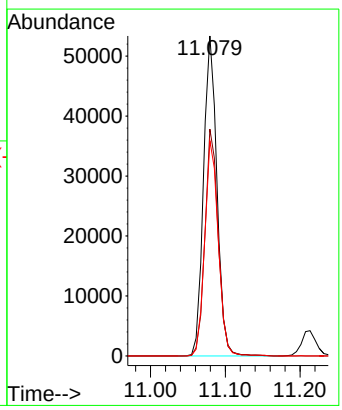
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

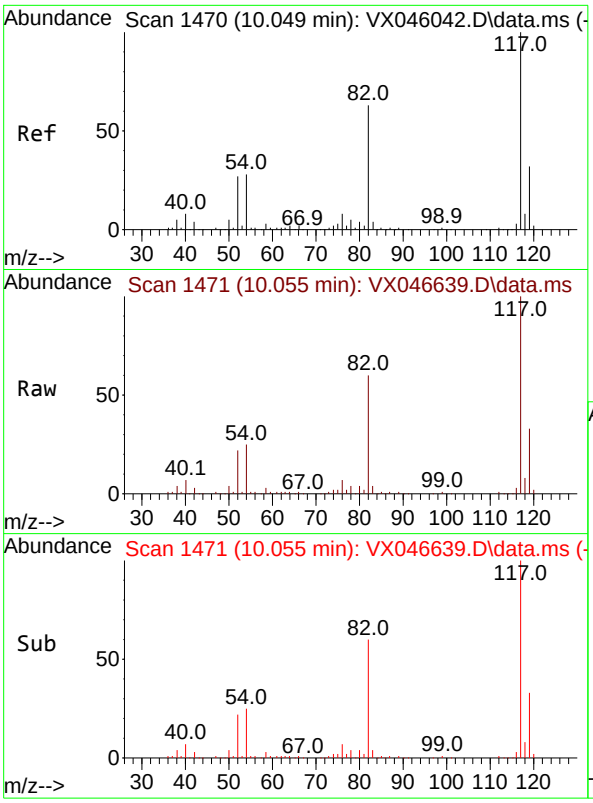


#62
4-Bromofluorobenzene
Concen: 48.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 95 Resp: 66562

Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	135.8
176	67.9	0.0	131.4

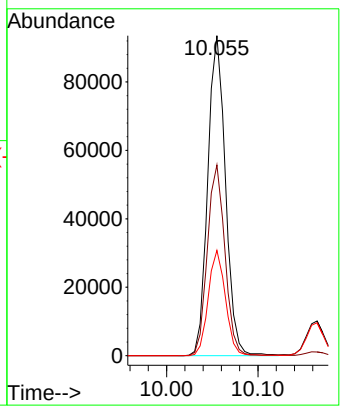




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:117 Resp: 12556

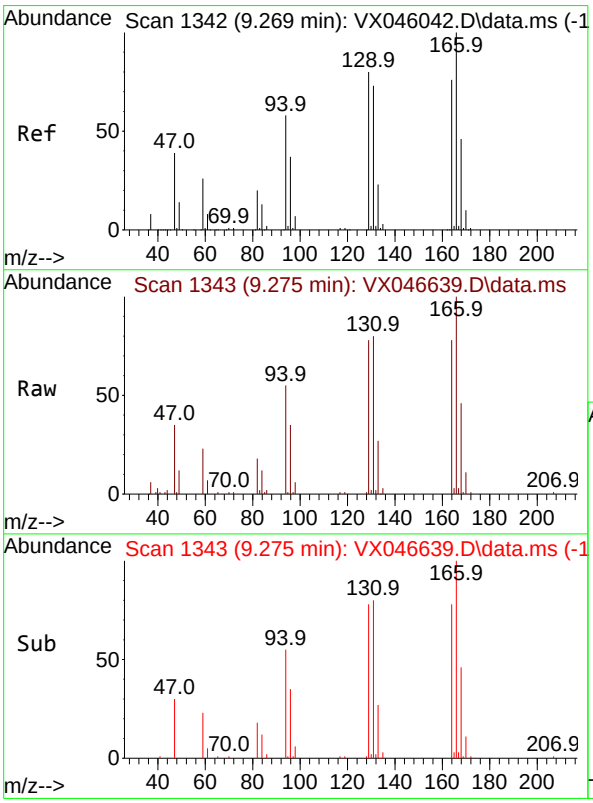
Ion	Ratio	Lower	Upper
117	100		
82	59.6	50.6	76.0
119	32.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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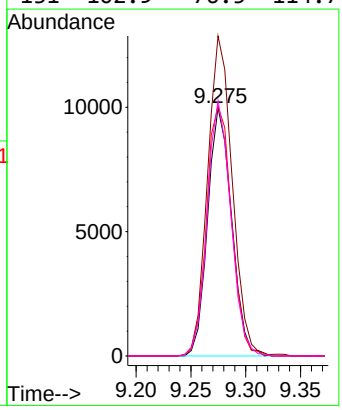
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

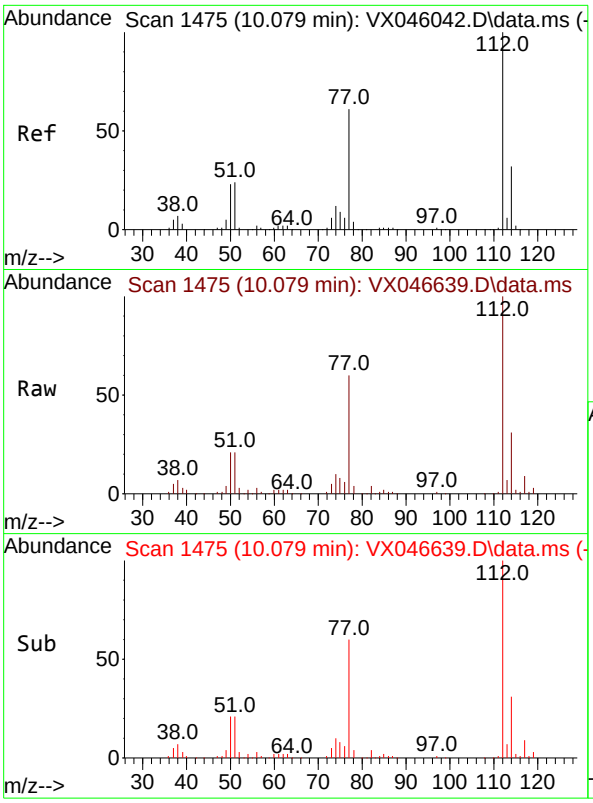


#64
Tetrachloroethene
Concen: 18.025 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:164 Resp: 15135

Ion	Ratio	Lower	Upper
164	100		
166	129.0	105.0	157.6
129	100.6	83.5	125.3
131	102.9	76.5	114.7

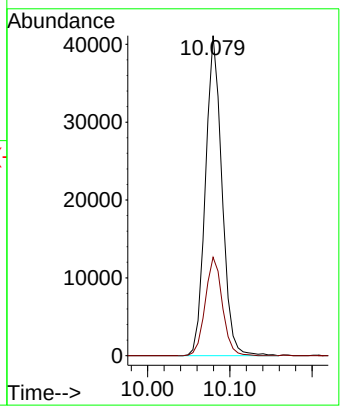




#65
Chlorobenzene
Concen: 19.415 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:112 Resp: 5733

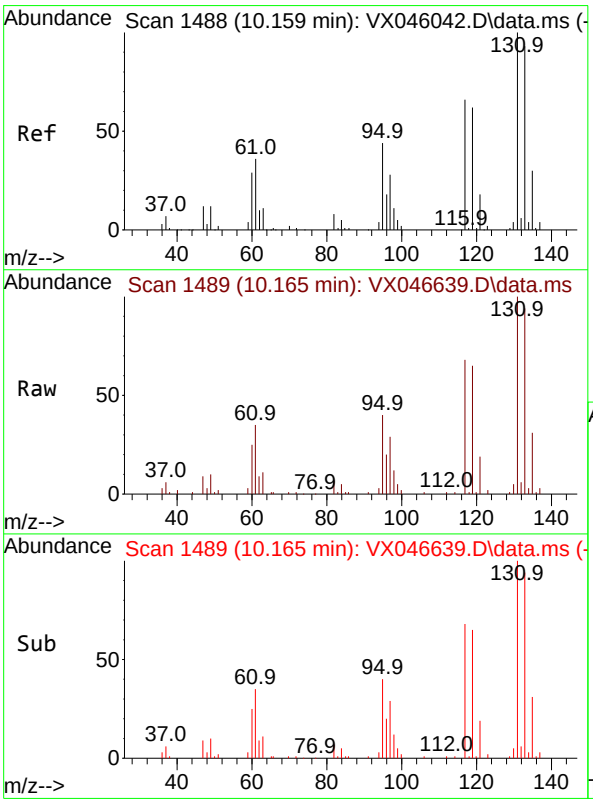
Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

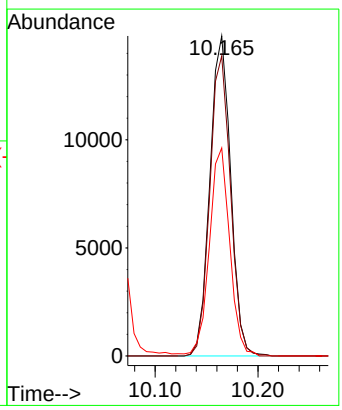
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

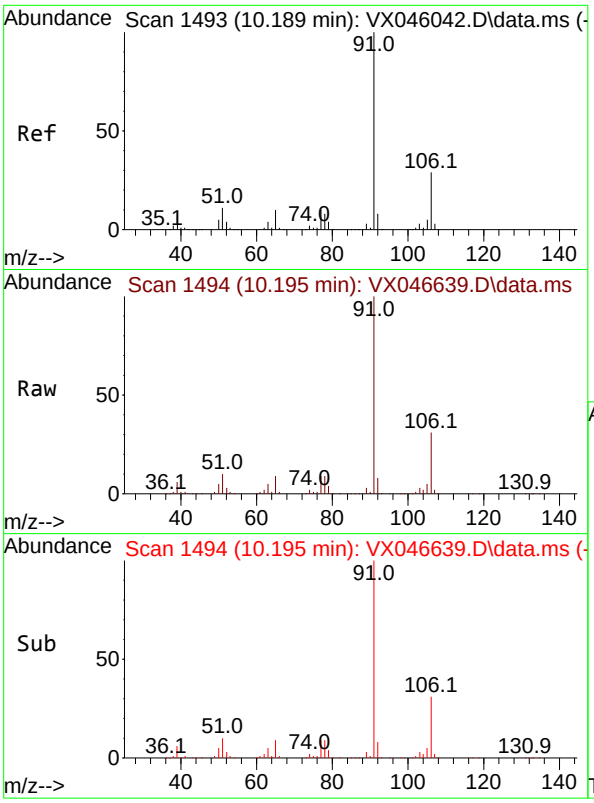


#66
1,1,1,2-Tetrachloroethane
Concen: 20.772 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:131 Resp: 20729

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.3	141.9
119	63.7	31.6	95.0





#67
Ethyl Benzene
Concen: 19.208 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

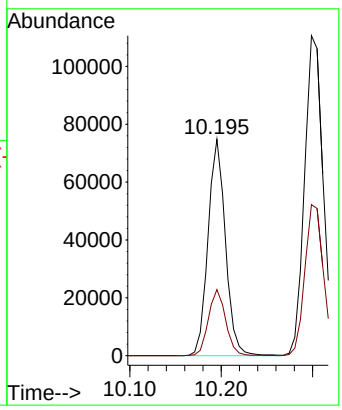
Tgt Ion: 91 Resp: 9902

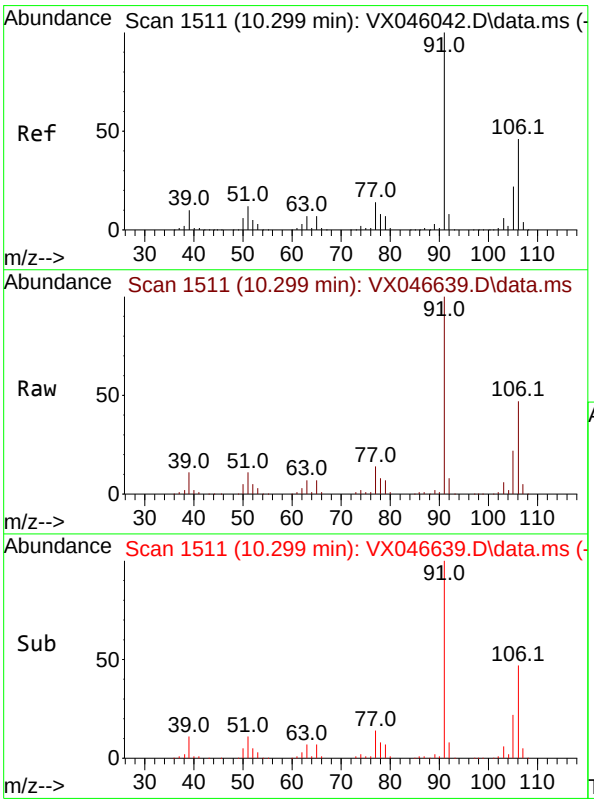
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

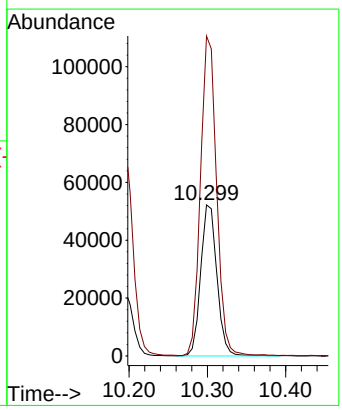


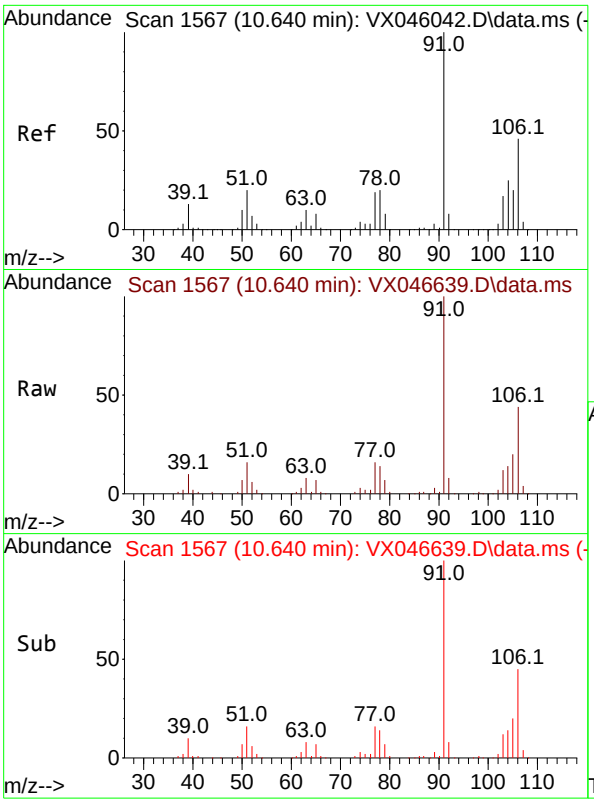


#68
m/p-Xylenes
Concen: 40.080 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:106 Resp: 74956

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8

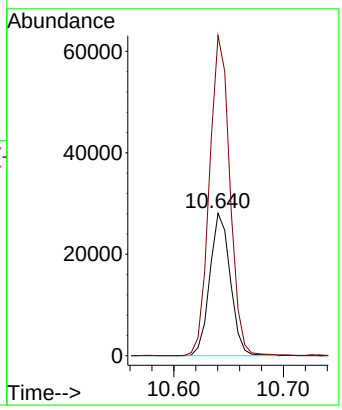




#69
o-Xylene
Concen: 20.130 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:106 Resp: 3641

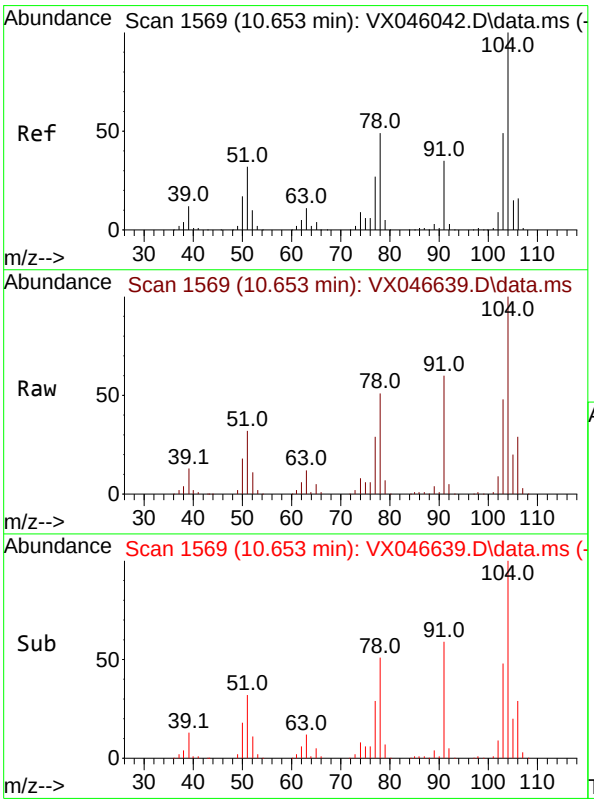
Ion	Ratio	Lower	Upper
106	100		
91	225.1	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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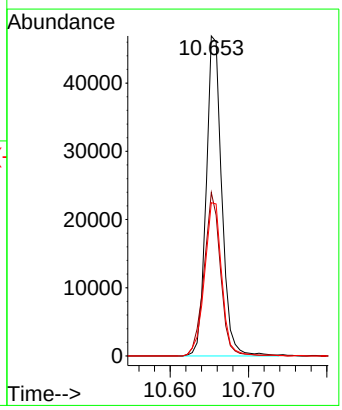
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

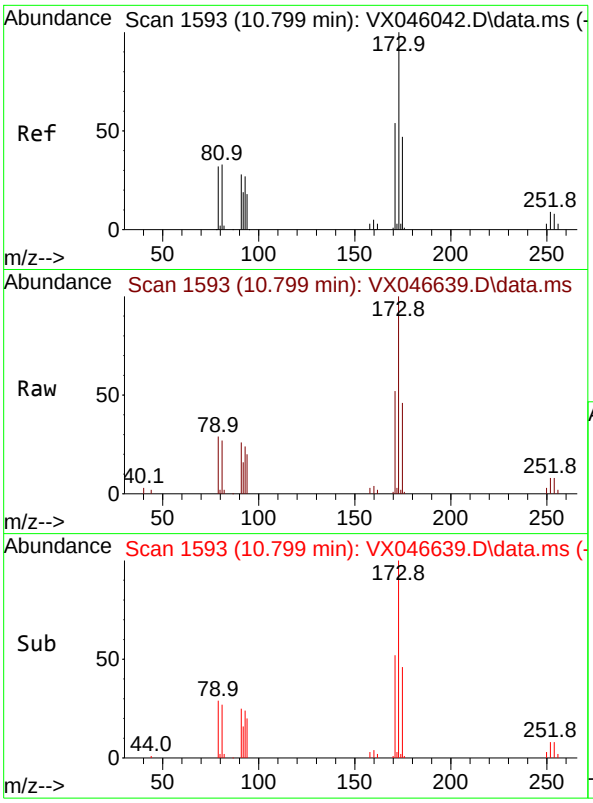


#70
Styrene
Concen: 20.944 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.005 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:104 Resp: 64851

Ion	Ratio	Lower	Upper
104	100		
78	53.8	45.7	68.5
103	52.9	43.7	65.5

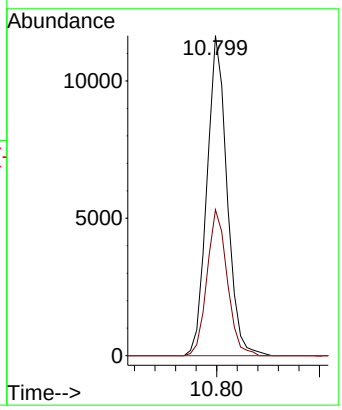




#71
Bromoform
Concen: 20.783 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

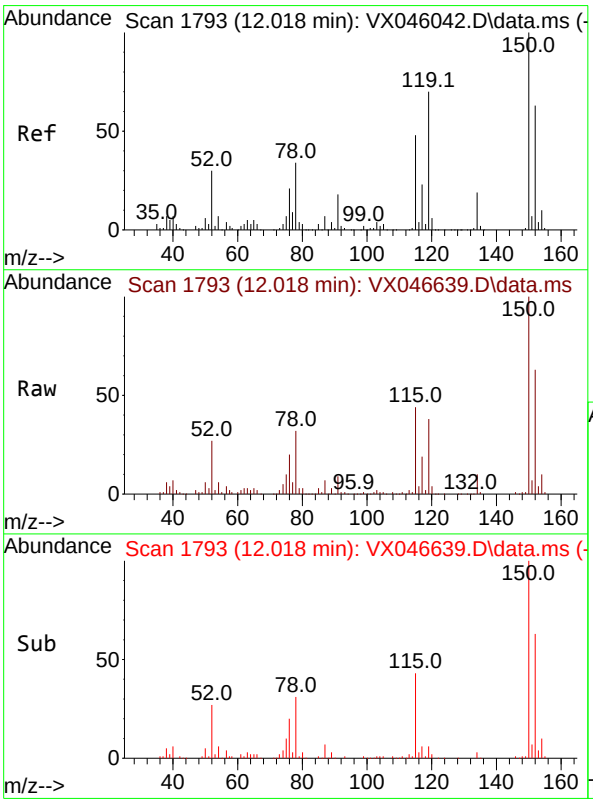
Tgt Ion:173 Resp: 1581

Ion	Ratio	Lower	Upper
173	100		
175	45.9	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

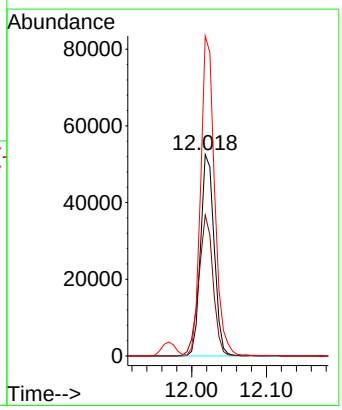
Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

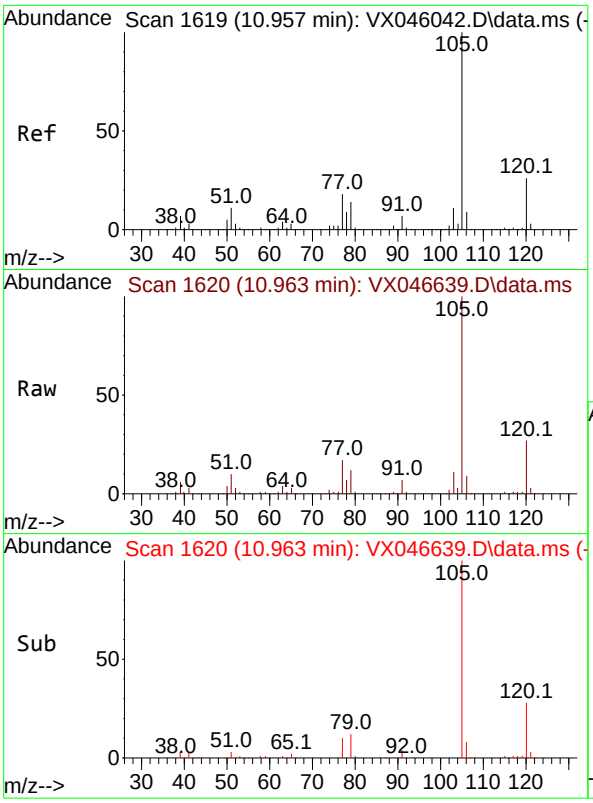


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:152 Resp: 66542

Ion	Ratio	Lower	Upper
152	100		
115	73.6	46.9	140.7
150	162.6	0.0	351.0

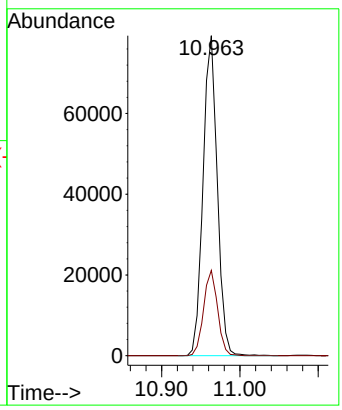




#73
Isopropylbenzene
Concen: 19.062 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:105 Resp: 9970

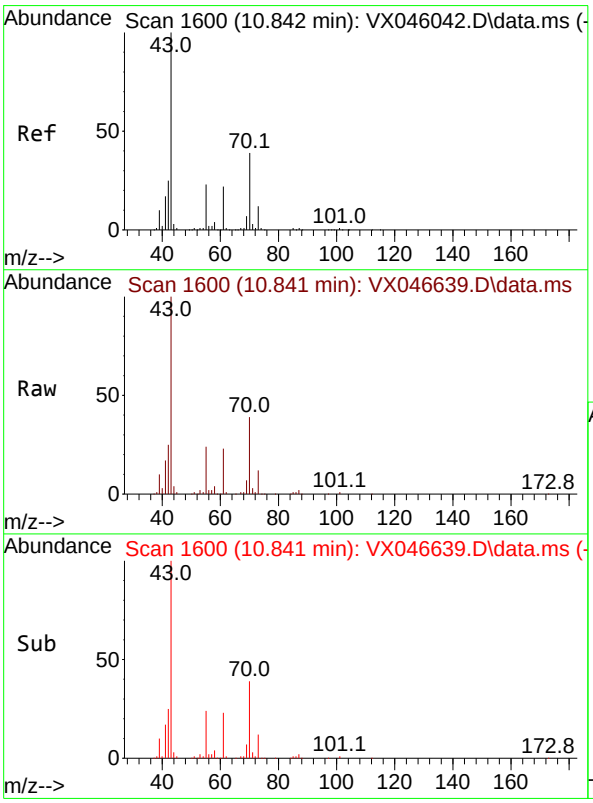
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

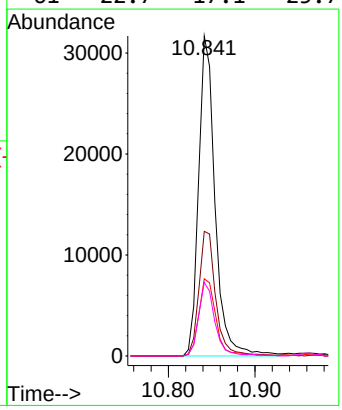
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

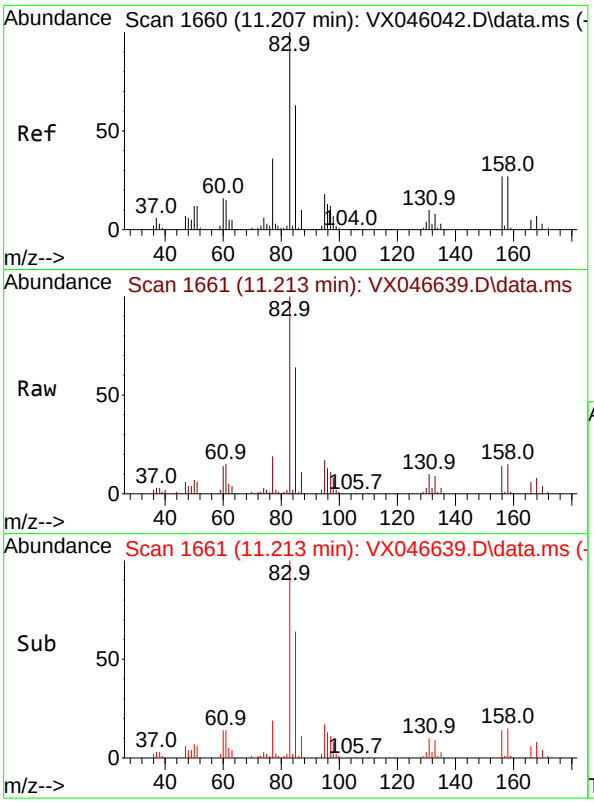


#74
N-amyl acetate
Concen: 18.198 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 43 Resp: 41919

Ion	Ratio	Lower	Upper
43	100		
70	39.8	30.9	46.3
55	25.1	18.7	28.1
61	22.7	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 19.758 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

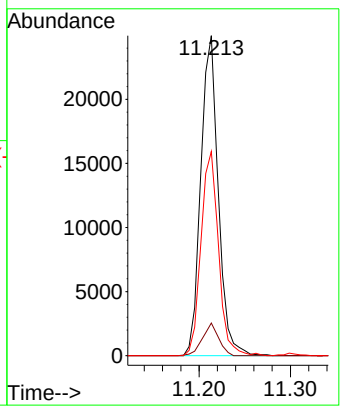
Tgt Ion: 83 Resp: 3308

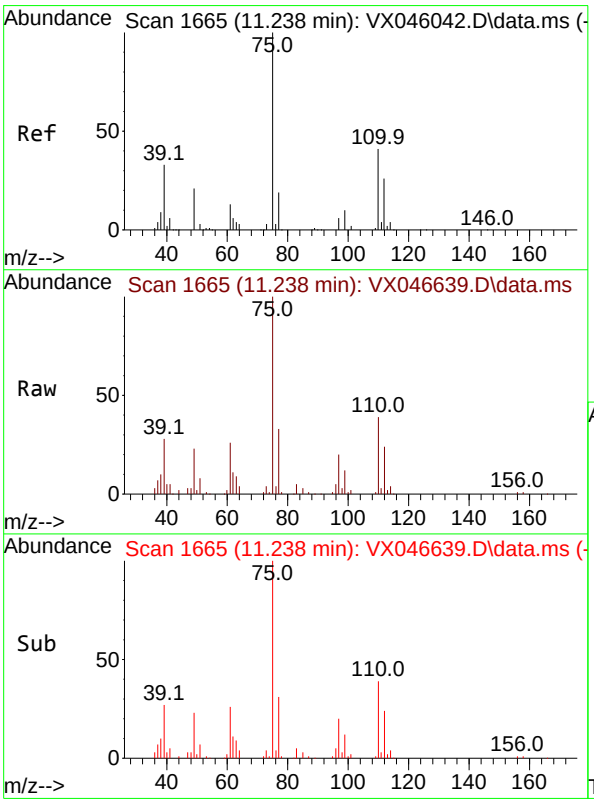
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	64.0	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

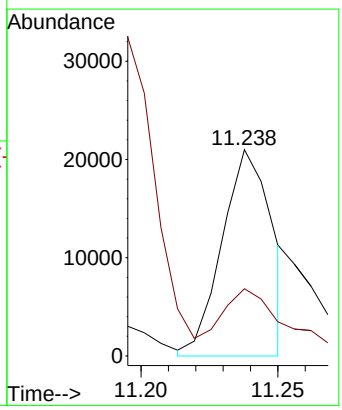


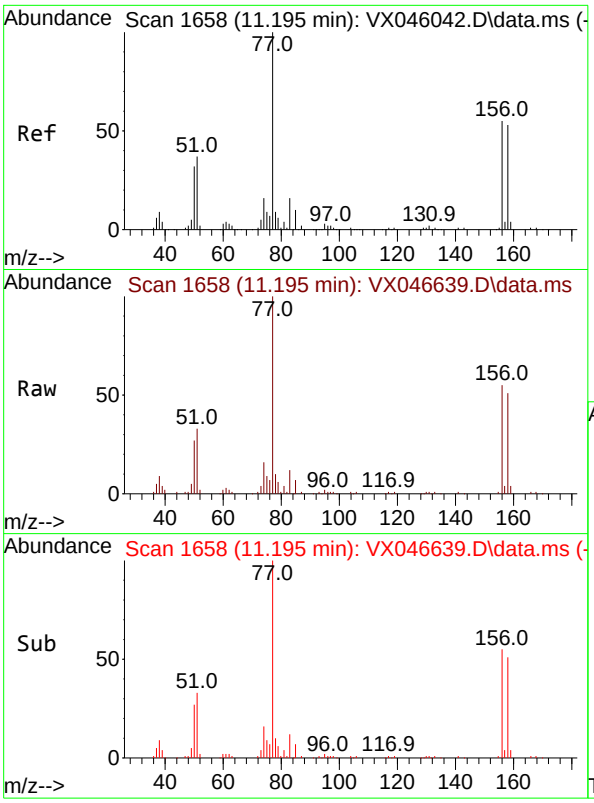


#76
1,2,3-Trichloropropane
Concen: 18.824 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 26532

Ion	Ratio	Lower	Upper
75	100		
77	43.5	20.5	61.5

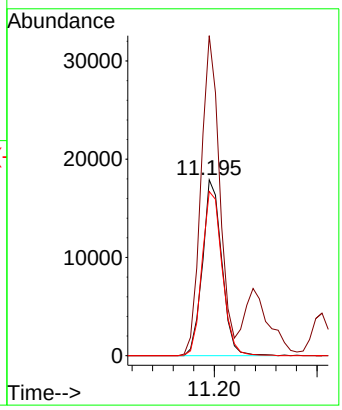




#77
Bromobenzene
Concen: 19.206 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:156 Resp: 2331

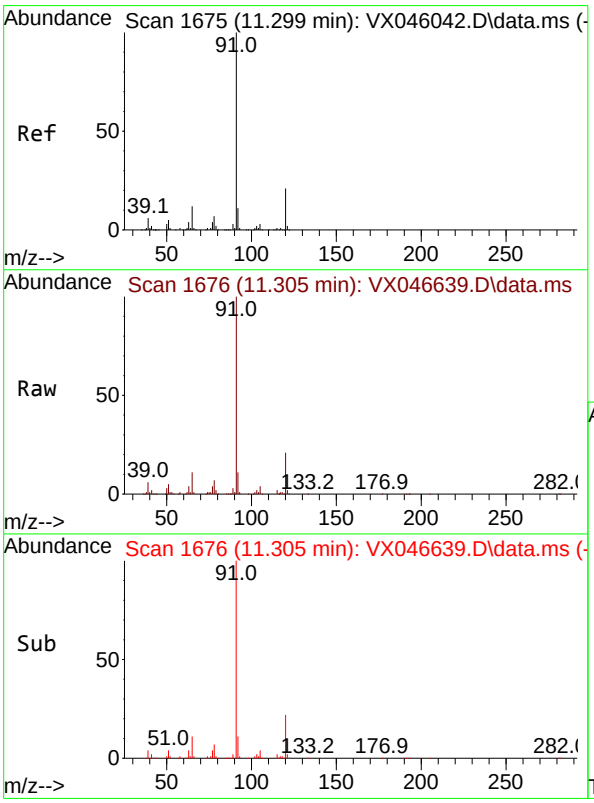
Ion	Ratio	Lower	Upper
156	100		
77	176.7	92.8	278.3
158	97.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

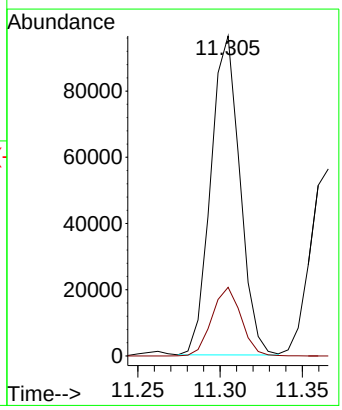
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

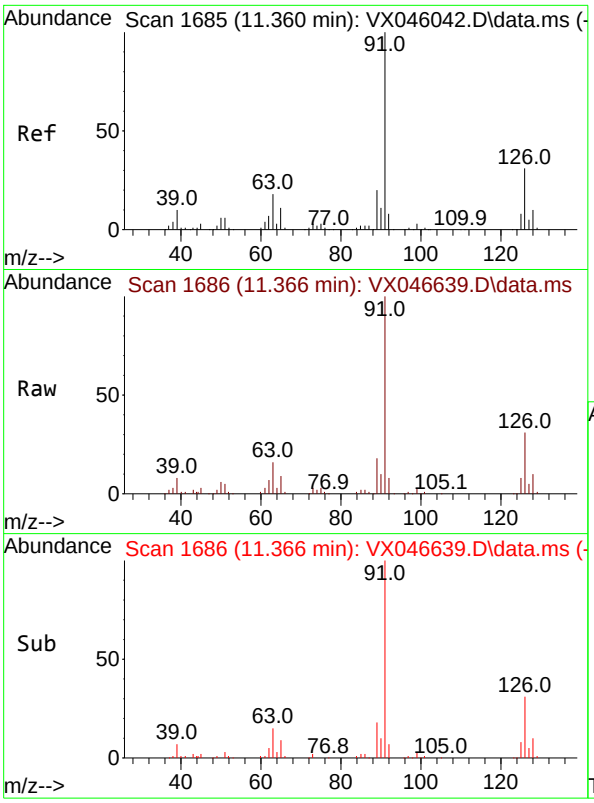


#78
n-propylbenzene
Concen: 18.787 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 91 Resp: 118948

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 18.786 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

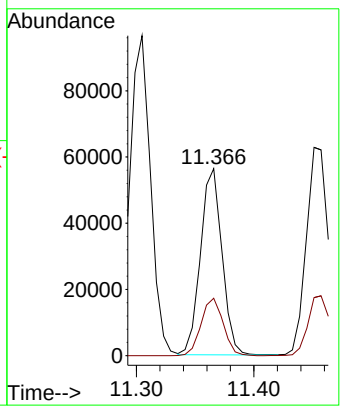
Tgt Ion: 91 Resp: 7172

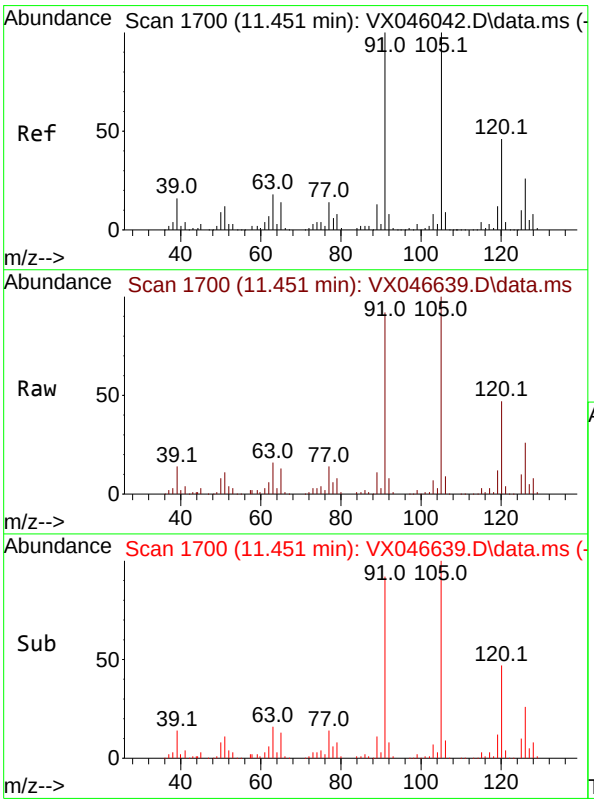
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

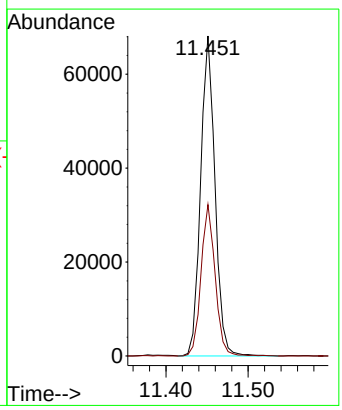


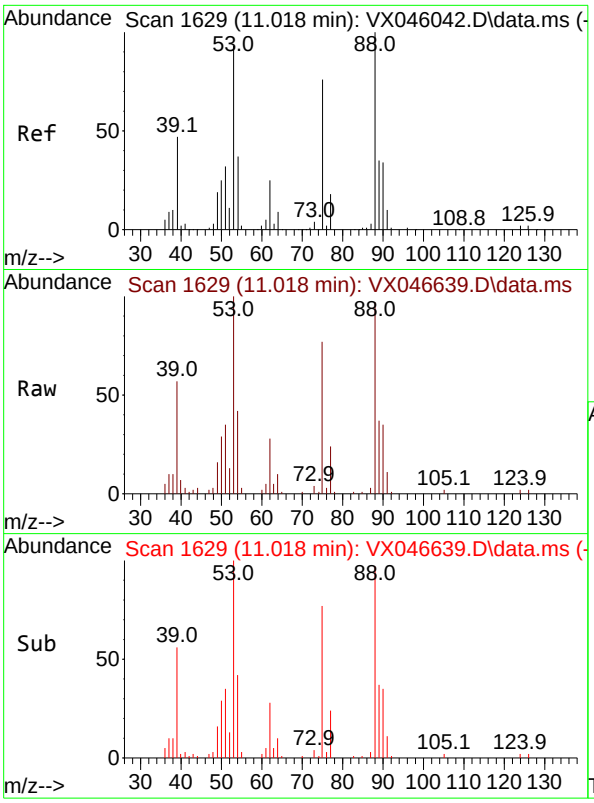


#80
1,3,5-Trimethylbenzene
Concen: 18.940 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:105 Resp: 82556

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2

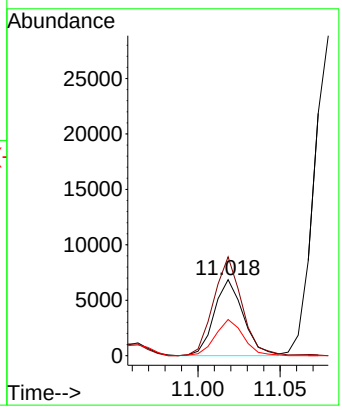




#81
trans-1,4-Dichloro-2-butene
Concen: 17.284 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 844

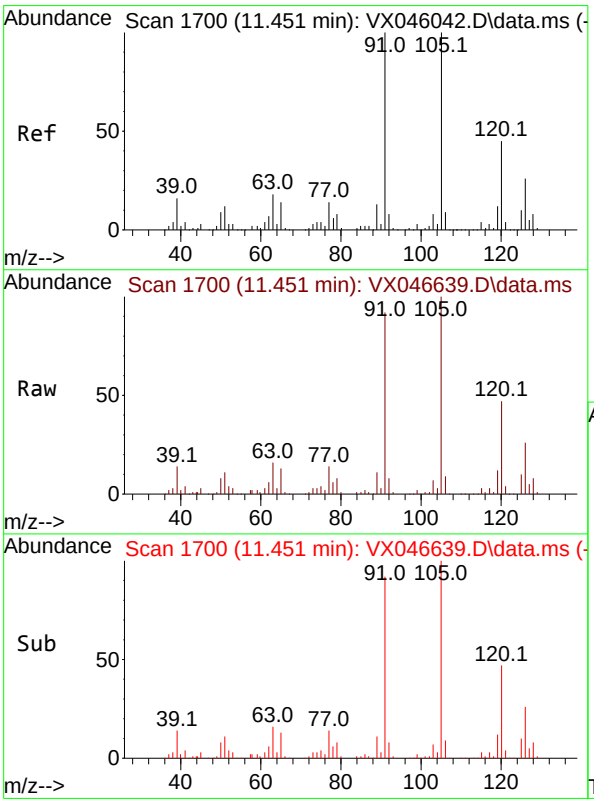
Ion	Ratio	Lower	Upper
75	100		
53	127.3	100.5	150.7
89	46.0	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

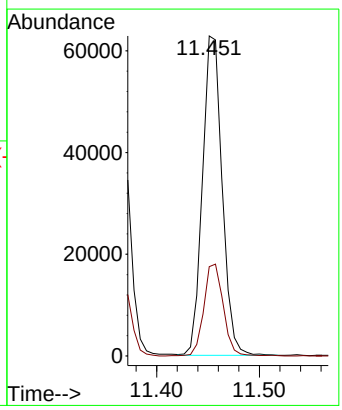
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

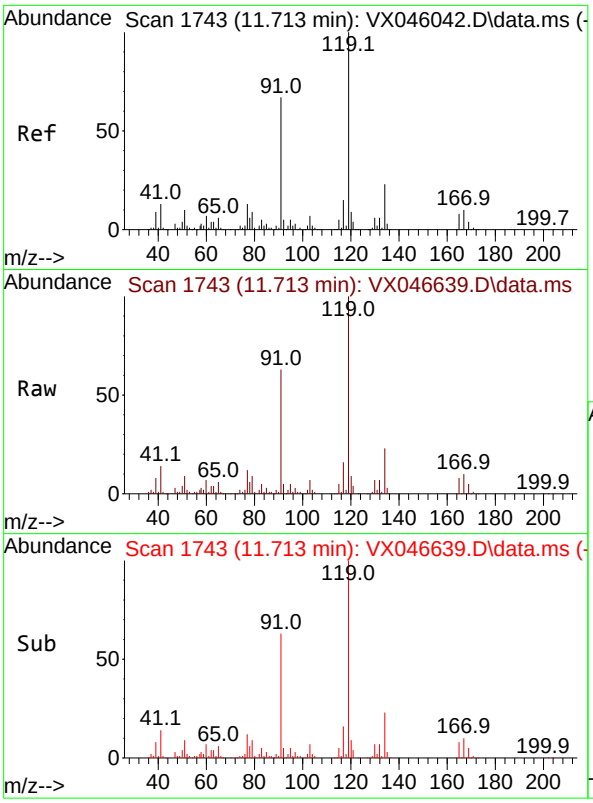


#82
4-Chlorotoluene
Concen: 18.528 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 91 Resp: 83845

Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.3	39.8

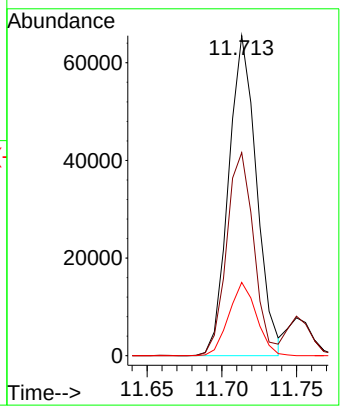




#83
tert-Butylbenzene
Concen: 19.176 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:119 Resp: 8508

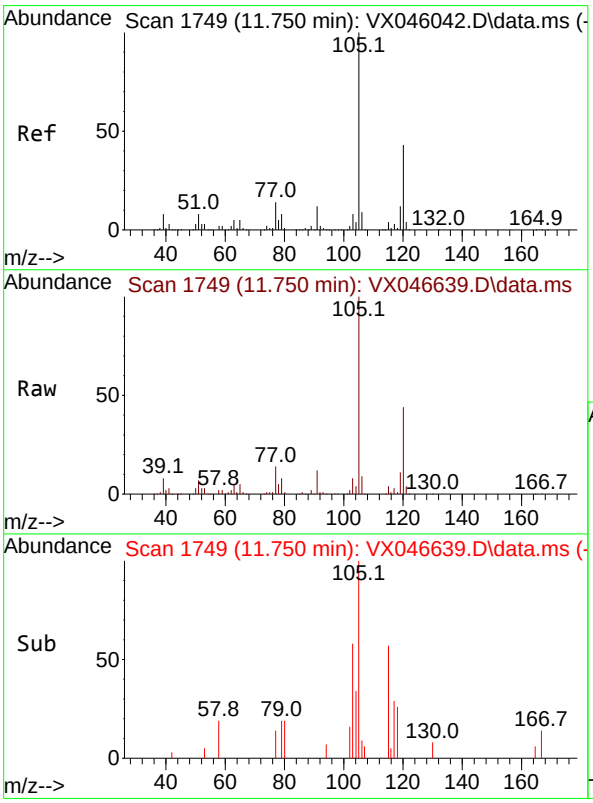
Ion	Ratio	Lower	Upper
119	100		
91	62.1	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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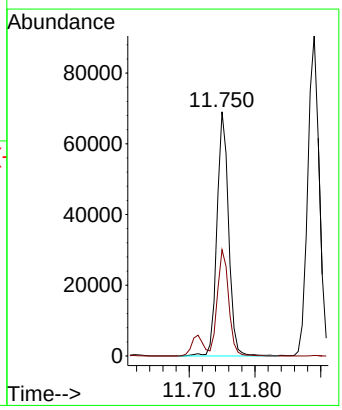
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

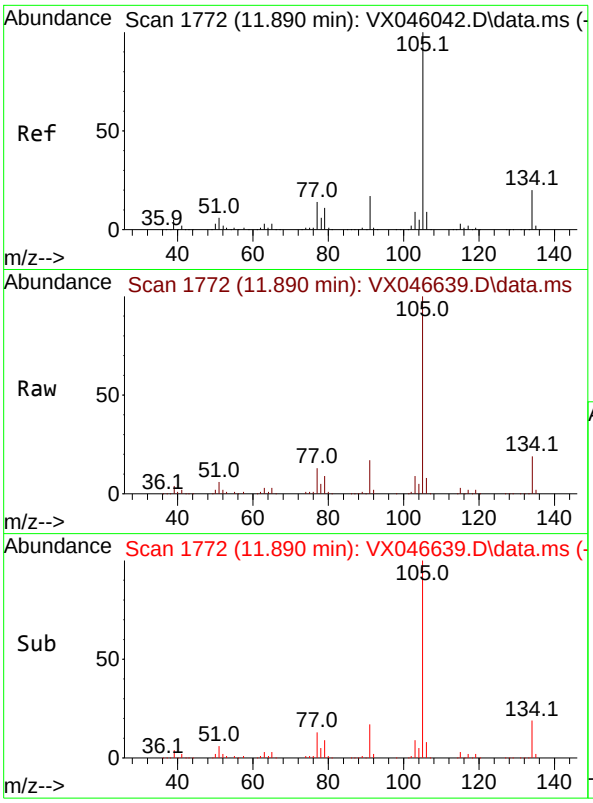


#84
1,2,4-Trimethylbenzene
Concen: 19.231 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:105 Resp: 84799

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

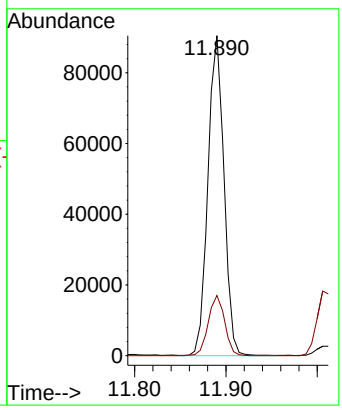




#85
sec-Butylbenzene
Concen: 19.333 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:105 Resp: 11022

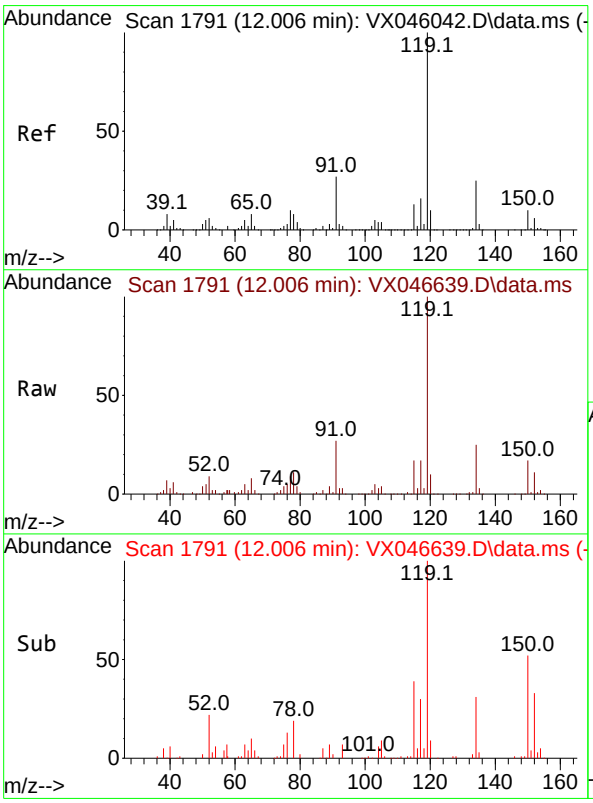
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
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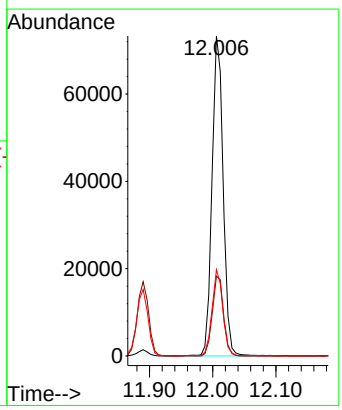
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

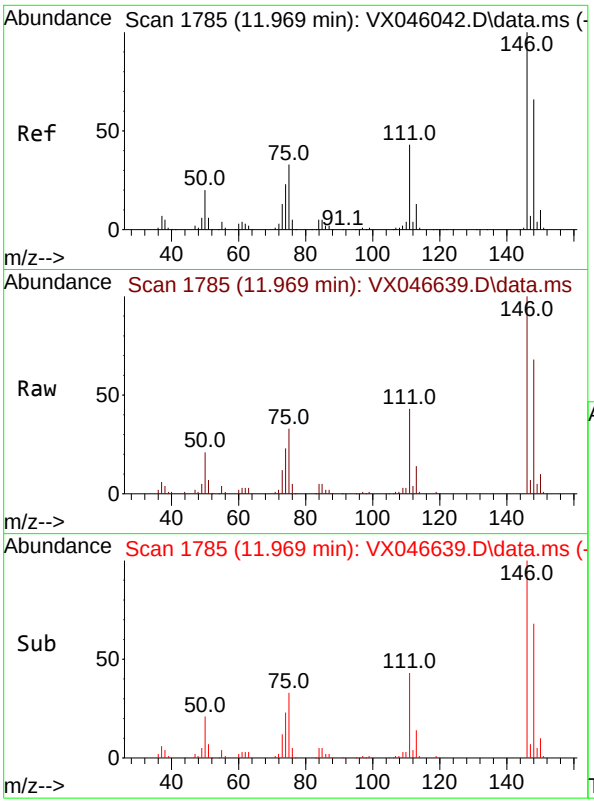


#86
p-Isopropyltoluene
Concen: 18.912 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:119 Resp: 89892

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	26.1	13.8	41.4

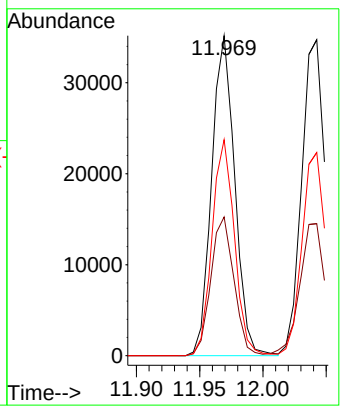




#87
1,3-Dichlorobenzene
Concen: 18.941 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:146 Resp: 4465

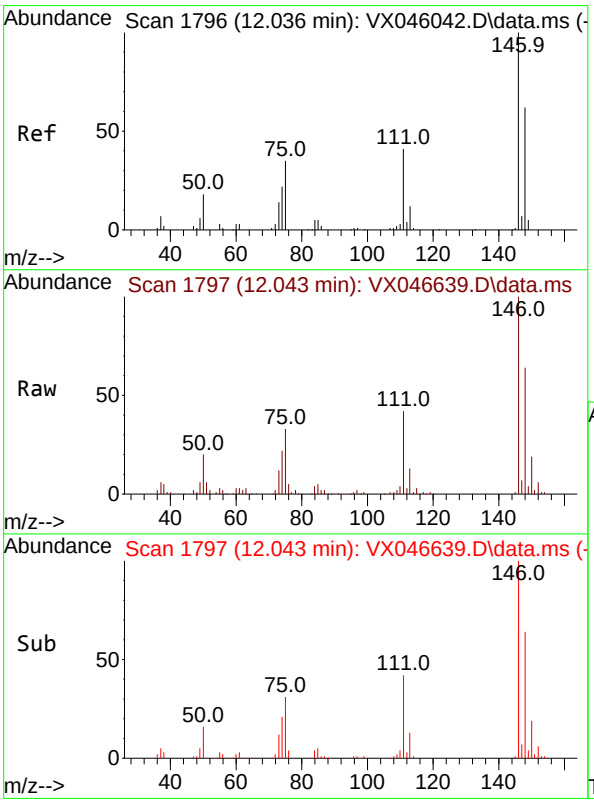
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	65.4	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

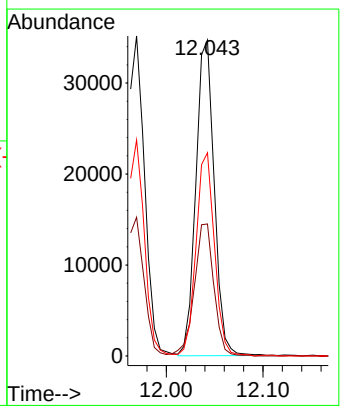
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

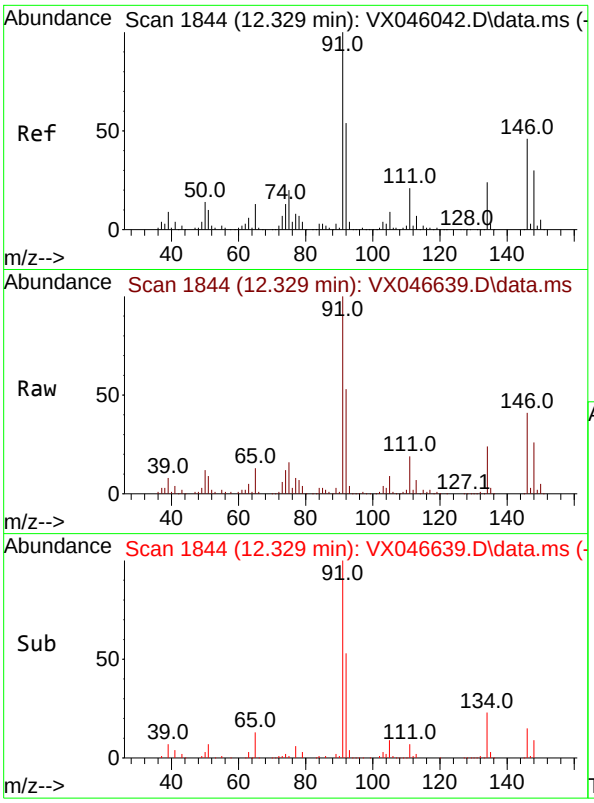


#88
1,4-Dichlorobenzene
Concen: 18.773 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:146 Resp: 45863

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.3	63.9
148	64.7	31.9	95.5

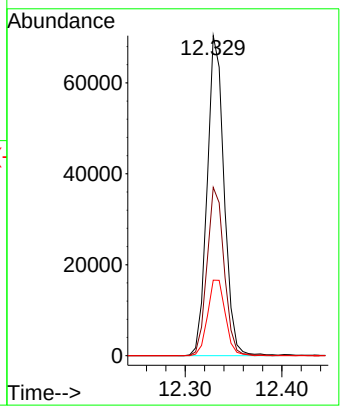




#89
n-Butylbenzene
Concen: 18.308 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 91 Resp: 8545

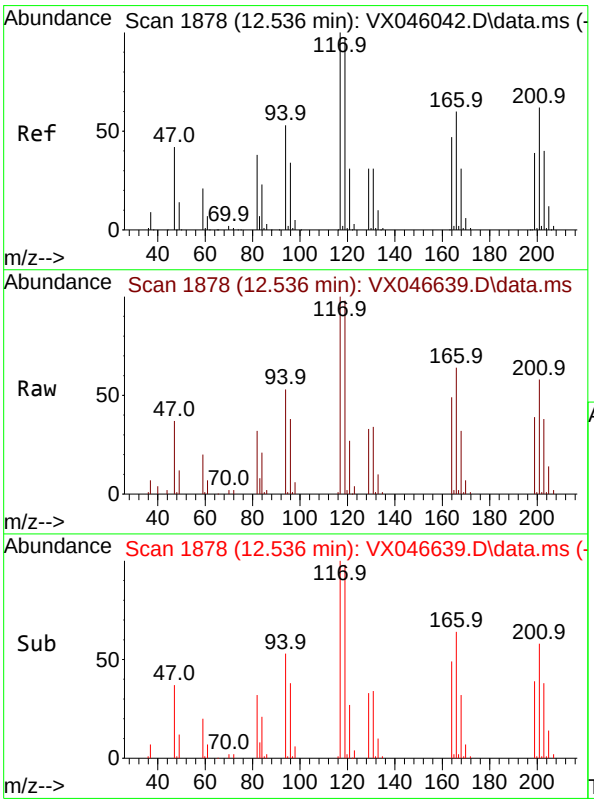
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	24.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

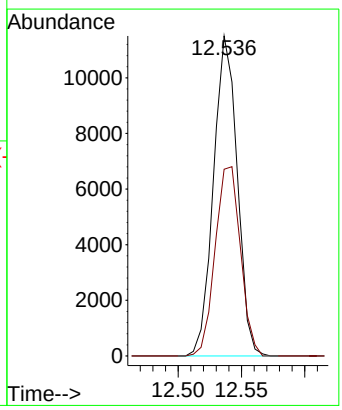
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

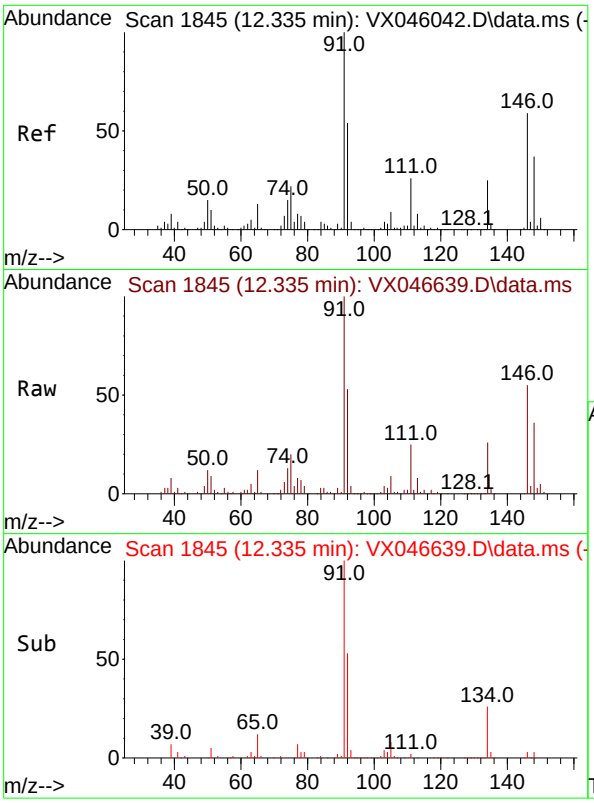


#90
Hexachloroethane
Concen: 17.769 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:117 Resp: 15011

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

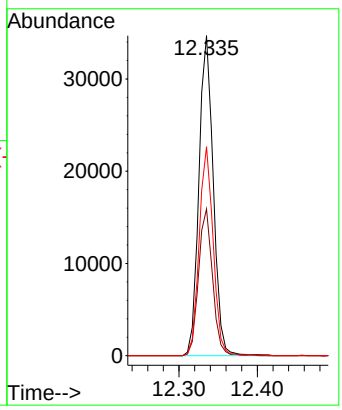




#91
1,2-Dichlorobenzene
Concen: 19.419 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:146 Resp: 4419

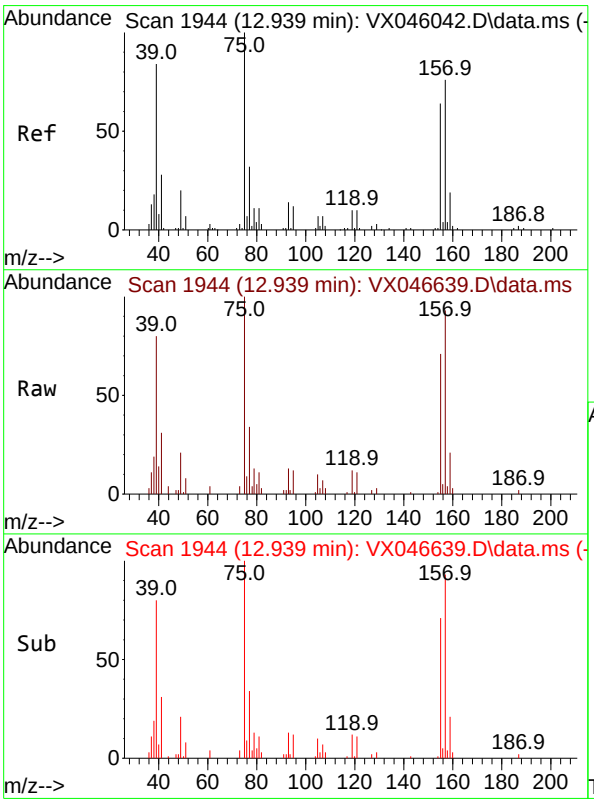
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

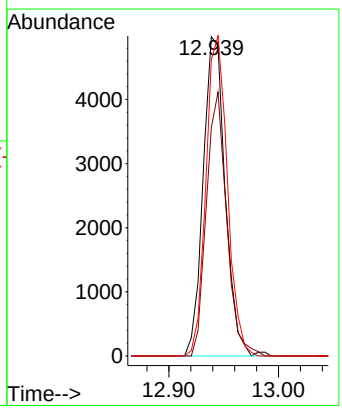
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

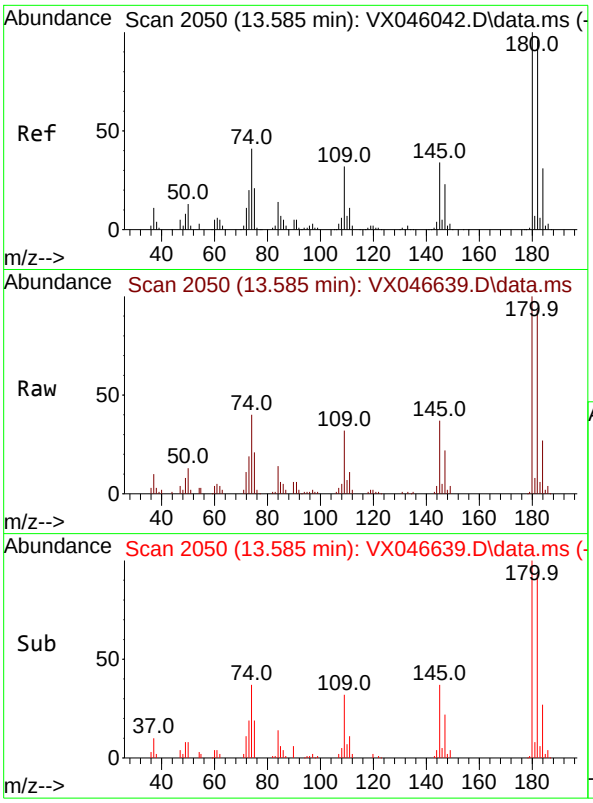


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.569 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion: 75 Resp: 6962

Ion	Ratio	Lower	Upper
75	100		
155	75.9	34.9	104.8
157	97.2	43.8	131.4

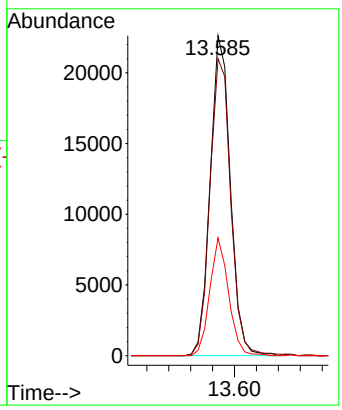




#93
1,2,4-Trichlorobenzene
Concen: 18.645 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:180 Resp: 2894

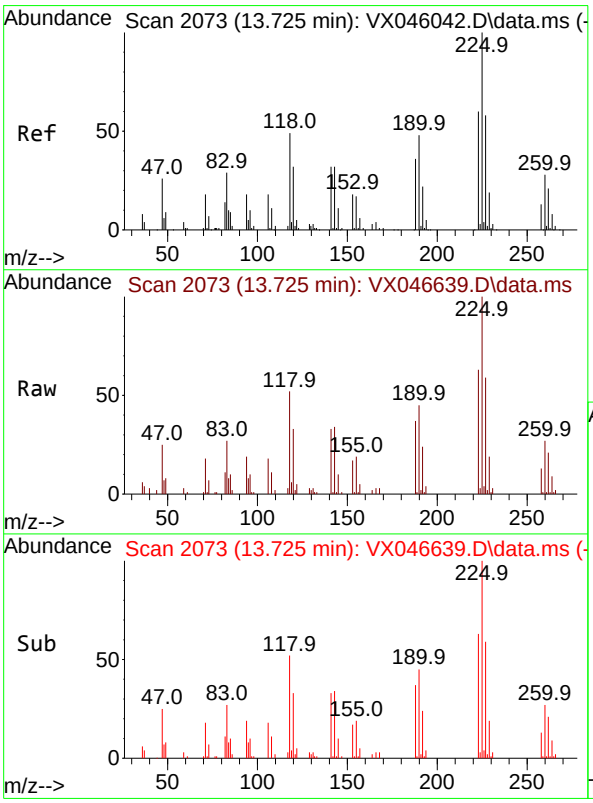
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	34.3	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations APPROVED

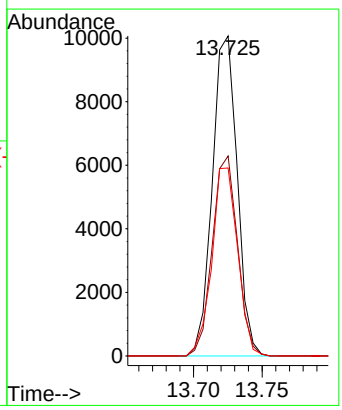
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

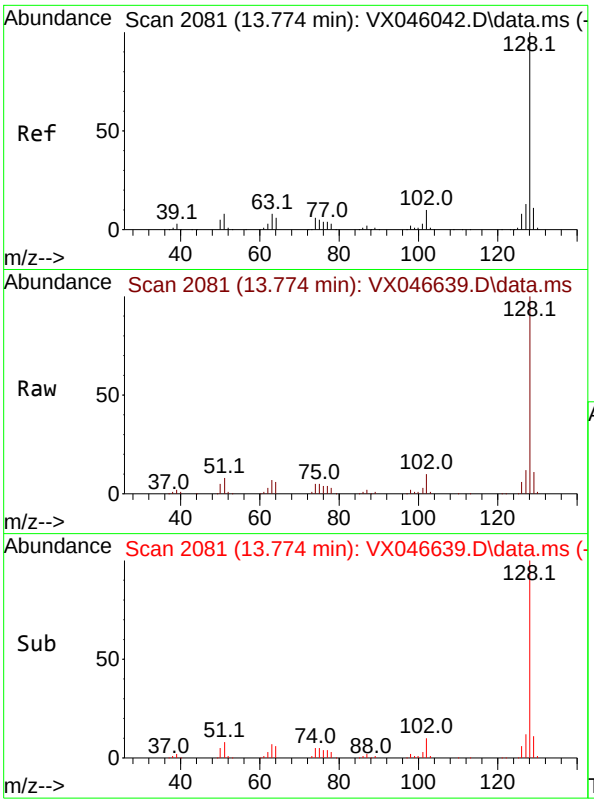


#94
Hexachlorobutadiene
Concen: 17.603 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:225 Resp: 12700

Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.8	92.4
227	61.0	30.9	92.7

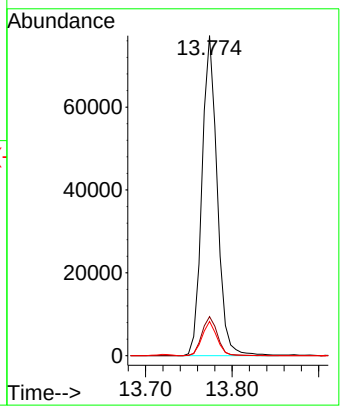




#95
Naphthalene
Concen: 19.148 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:128 Resp: 9427

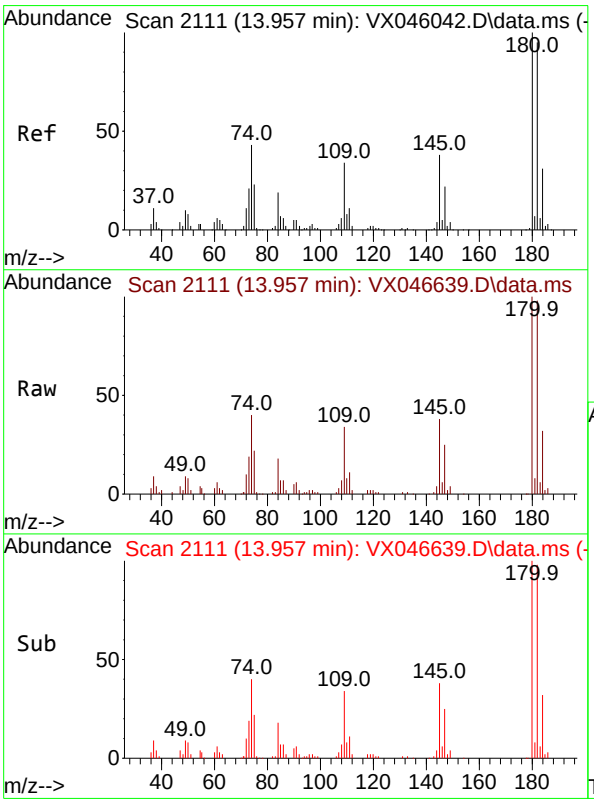
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.6	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBS02

Manual Integrations
APPROVED

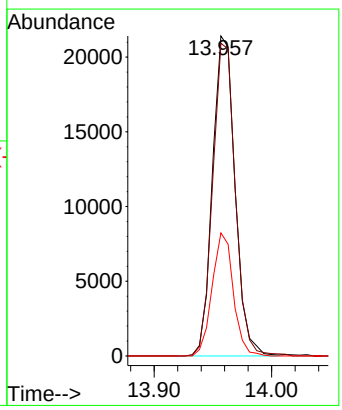
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.338 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046639.D
Acq: 11 Jun 2025 15:58

Tgt Ion:180 Resp: 28547

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.8	143.3
145	36.1	18.1	54.3



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:	VX0612WBS01	SDG No.:	Q2249
Lab Sample ID:	VX0612WBS01	Matrix:	Water
Analytical Method:	8260D	% 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
VX046660.D	1		06/12/25 13:38	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.8		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.1		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.20	1.00	ug/L
71-43-2	Benzene	18.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		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	20.6		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.5		70 (74) - 130 (125)	83%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	85600	5.556			
540-36-3	1,4-Difluorobenzene	145000	6.769			
3114-55-4	Chlorobenzene-d5	131000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	69000	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\VX061225\
Data File : VX046660.D
Acq On : 12 Jun 2025 13:38
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	85578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	144622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63210	41.517	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.040%			
35) Dibromofluoromethane	5.397	113	51021	47.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.940%			
50) Toluene-d8	8.647	98	167446	47.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.500%			
62) 4-Bromofluorobenzene	11.079	95	69758	48.084	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	17232	14.504	ug/l	100
3) Chloromethane	1.306	50	15679	14.498	ug/l	97
4) Vinyl Chloride	1.386	62	16285	15.106	ug/l	100
5) Bromomethane	1.623	94	10482	16.017	ug/l	99
6) Chloroethane	1.703	64	10352	14.800	ug/l	95
7) Trichlorofluoromethane	1.904	101	27911	15.648	ug/l	92
8) Diethyl Ether	2.148	74	10221	16.219	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.343	101	19140	17.032	ug/l	95
10) Methyl Iodide	2.465	142	17822	14.630	ug/l	95
11) Tert butyl alcohol	2.965	59	14604	86.443	ug/l	99
12) 1,1-Dichloroethene	2.331	96	17566	17.289	ug/l	84
13) Acrolein	2.251	56	9994	73.047	ug/l	100
14) Allyl chloride	2.678	41	33622	16.850	ug/l	93
15) Acrylonitrile	3.074	53	58711	91.913	ug/l	99
16) Acetone	2.392	43	52132	90.187	ug/l	92
17) Carbon Disulfide	2.526	76	33805	15.809	ug/l	100
18) Methyl Acetate	2.715	43	35232	19.427	ug/l	95
19) Methyl tert-butyl Ether	3.129	73	66811	18.793	ug/l	98
20) Methylene Chloride	2.800	84	21926	17.951	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	18523	17.227	ug/l	97
22) Diisopropyl ether	3.769	45	72754	18.494	ug/l #	65
23) Vinyl Acetate	3.733	43	272827	89.826	ug/l	99
24) 1,1-Dichloroethane	3.623	63	38925	17.753	ug/l	99
25) 2-Butanone	4.568	43	74592	88.008	ug/l	96
26) 2,2-Dichloropropane	4.483	77	29645	18.213	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	23891	18.050	ug/l	95
28) Bromochloromethane	4.909	49	26095	24.953	ug/l	92
29) Tetrahydrofuran	5.013	42	45745	85.463	ug/l	96
30) Chloroform	5.105	83	41974	18.271	ug/l	97
31) Cyclohexane	5.476	56	29749	16.807	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	35020	17.821	ug/l	97
36) 1,1-Dichloropropene	5.702	75	25822	16.997	ug/l	97
37) Ethyl Acetate	4.727	43	29586	19.954	ug/l	99
38) Carbon Tetrachloride	5.690	117	29642	17.420	ug/l	99
39) Methylcyclohexane	7.385	83	29365	16.376	ug/l	95
40) Benzene	6.049	78	79810	18.661	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046660.D
Acq On : 12 Jun 2025 13:38
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	16120	17.507 ug/l #	92
42) 1,2-Dichloroethane	6.098	62	31253	17.565 ug/l	97
43) Isopropyl Acetate	6.348	43	46852	18.125 ug/l	96
44) Trichloroethene	7.129	130	20132	18.526 ug/l	97
45) 1,2-Dichloropropane	7.433	63	21411	19.396 ug/l	96
46) Dibromomethane	7.586	93	15723	18.933 ug/l	94
47) Bromodichloromethane	7.824	83	33506	19.622 ug/l	98
48) Methyl methacrylate	7.696	41	24360	18.316 ug/l	92
49) 1,4-Dioxane	7.659	88	6794	382.003 ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	158516	96.503 ug/l	97
52) Toluene	8.720	92	52013	19.796 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	29385	19.193 ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	32617	19.161 ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	21748	20.618 ug/l	99
56) Ethyl methacrylate	9.116	69	32307	19.903 ug/l	92
57) 1,3-Dichloropropane	9.311	76	35837	19.225 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	87671	99.160 ug/l	97
59) 2-Hexanone	9.433	43	113348	96.217 ug/l	95
60) Dibromochloromethane	9.518	129	25395	20.468 ug/l	98
61) 1,2-Dibromoethane	9.610	107	21756	19.793 ug/l	98
64) Tetrachloroethene	9.275	164	16534	18.916 ug/l	98
65) Chlorobenzene	10.079	112	59264	19.277 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	21995	21.172 ug/l	98
67) Ethyl Benzene	10.195	91	99830	18.601 ug/l	97
68) m/p-Xylenes	10.299	106	77489	39.802 ug/l	94
69) o-Xylene	10.640	106	37114	19.709 ug/l	98
70) Styrene	10.652	104	66406	20.601 ug/l	96
71) Bromoform	10.799	173	16330	20.616 ug/l #	99
73) Isopropylbenzene	10.963	105	101339	18.679 ug/l	99
74) N-amyl acetate	10.841	43	42555	17.811 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	33322	19.188 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	26882m	18.389 ug/l	
77) Bromobenzene	11.195	156	24285	19.285 ug/l	93
78) n-propylbenzene	11.305	91	118689	18.075 ug/l	98
79) 2-Chlorotoluene	11.366	91	72123	18.214 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	85488	18.909 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	9208	18.170 ug/l	91
82) 4-Chlorotoluene	11.451	91	86099	18.344 ug/l	97
83) tert-Butylbenzene	11.713	119	84512	18.363 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	85107	18.609 ug/l	98
85) sec-Butylbenzene	11.890	105	106791	18.059 ug/l	99
86) p-Isopropyltoluene	12.006	119	92930	18.850 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	47662	19.491 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48120	18.991 ug/l	99
89) n-Butylbenzene	12.329	91	85715	17.705 ug/l	99
90) Hexachloroethane	12.536	117	15279	17.437 ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	45679	19.352 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6541	16.820 ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	31308	19.444 ug/l	97
94) Hexachlorobutadiene	13.725	225	13715	18.328 ug/l	99
95) Naphthalene	13.774	128	101037	19.787 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30574	18.936 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046660.D
Acq On : 12 Jun 2025 13:38
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

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

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

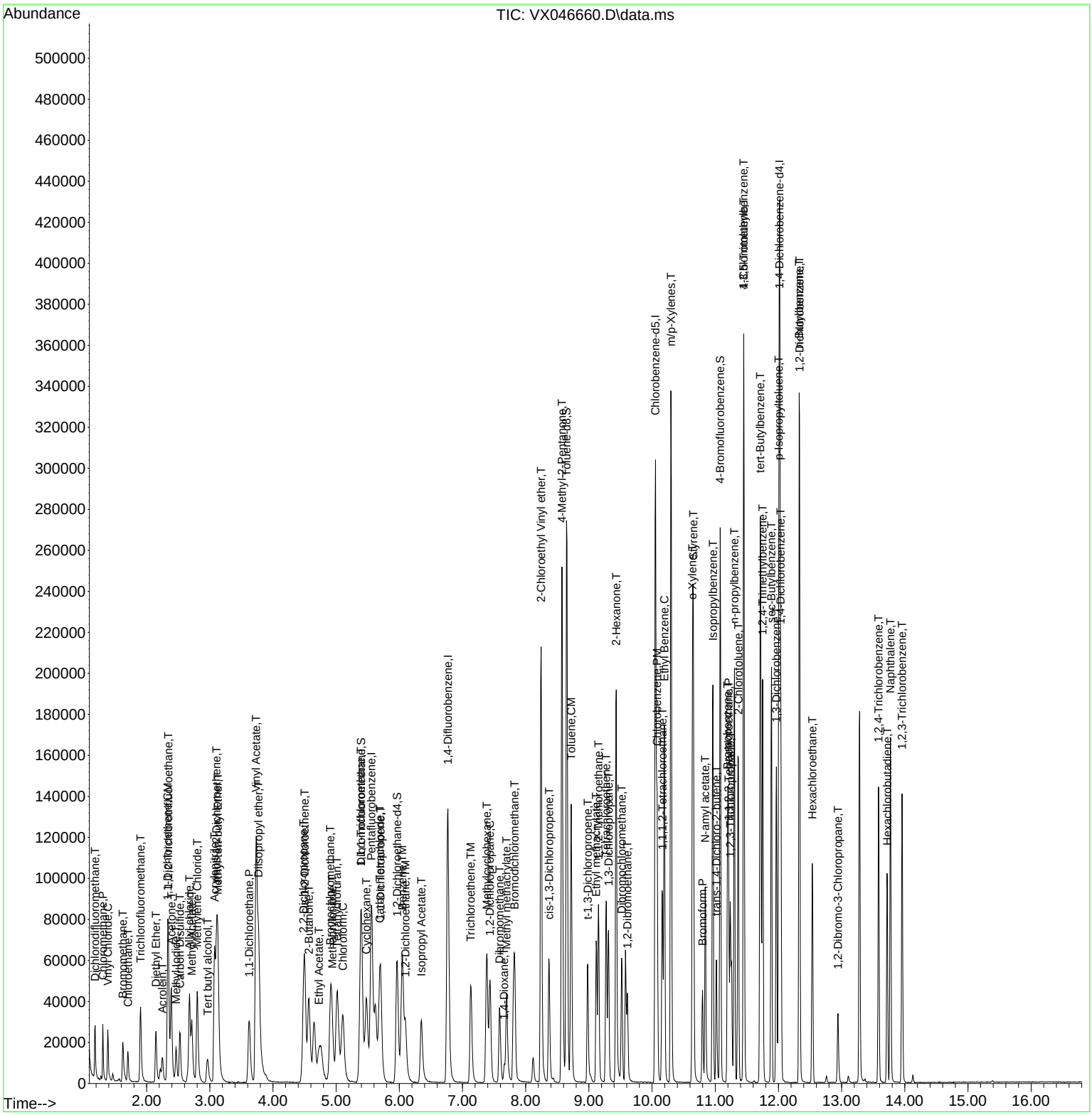
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046660.D
Acq On : 12 Jun 2025 13:38
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

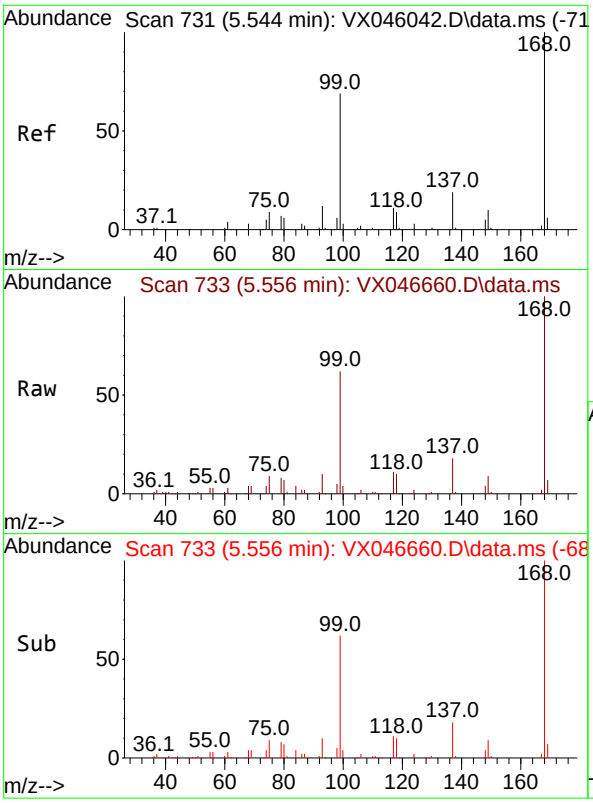
Quant Time: Jun 13 01:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
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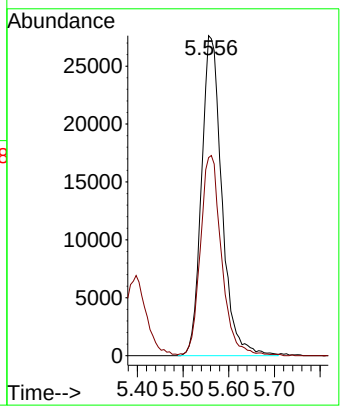




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:168 Resp: 8557

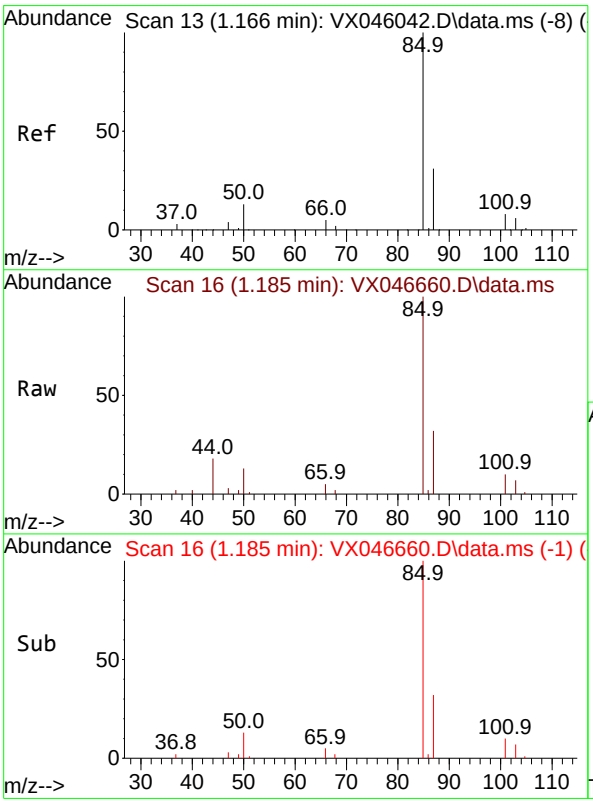
Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

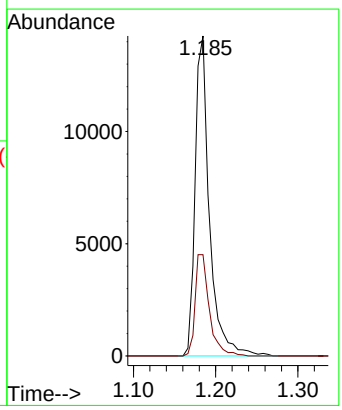
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

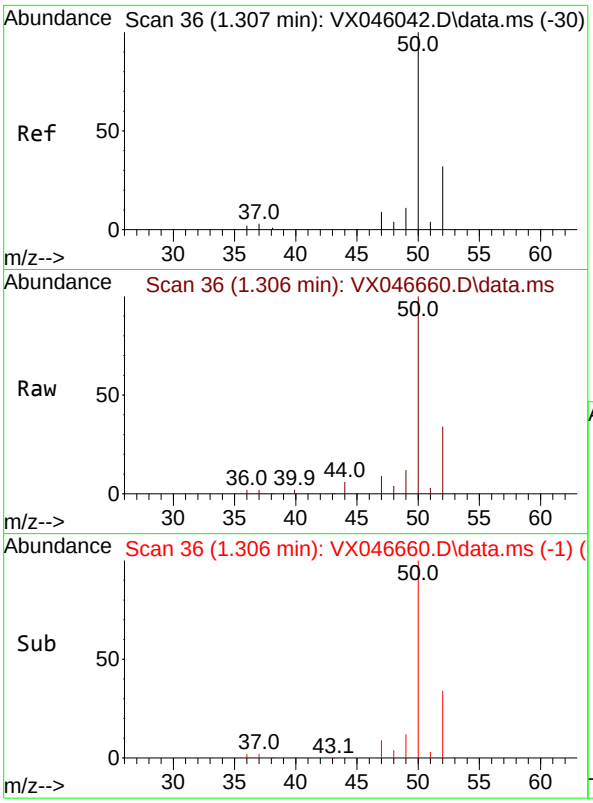


#2
Dichlorodifluoromethane
Concen: 14.504 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 85 Resp: 17232

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.7	47.1

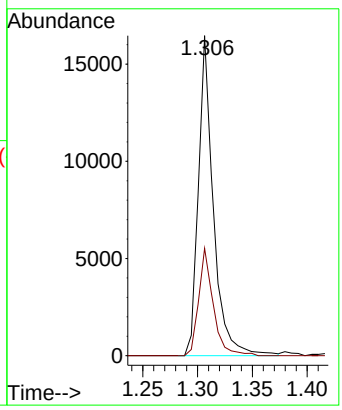




#3
Chloromethane
Concen: 14.498 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.001 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 50 Resp: 1567

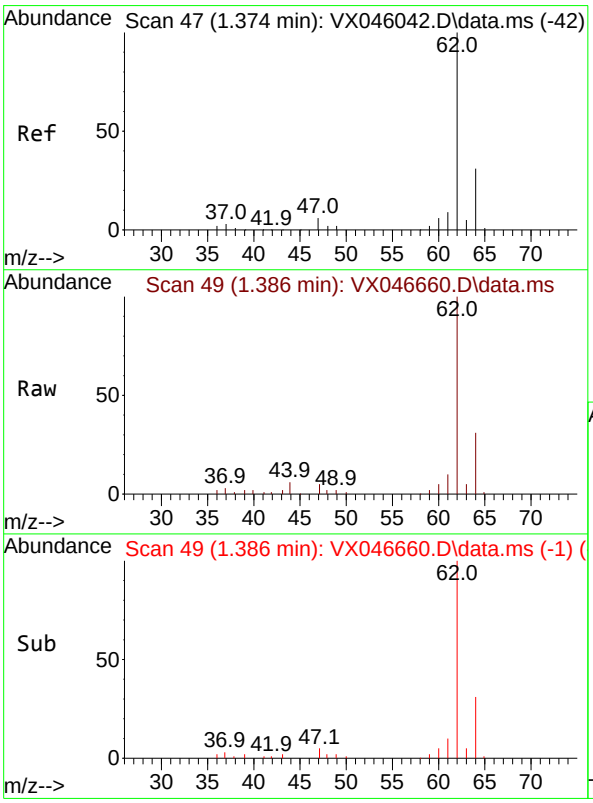
Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

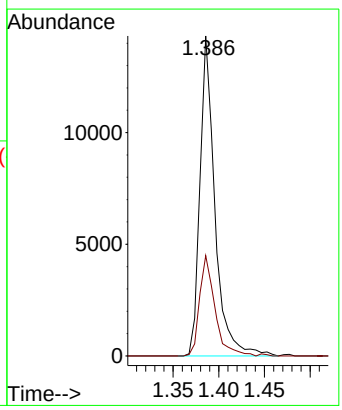
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

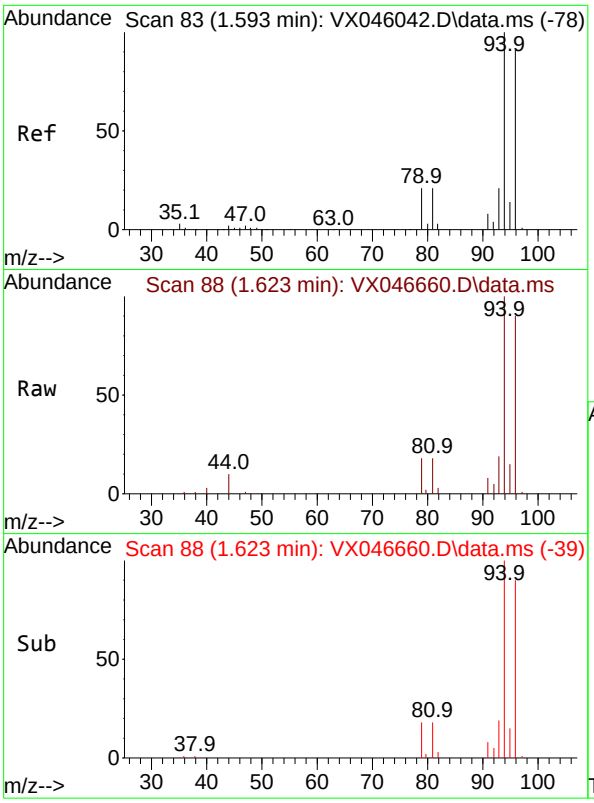


#4
Vinyl Chloride
Concen: 15.106 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 62 Resp: 16285

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.2	37.8

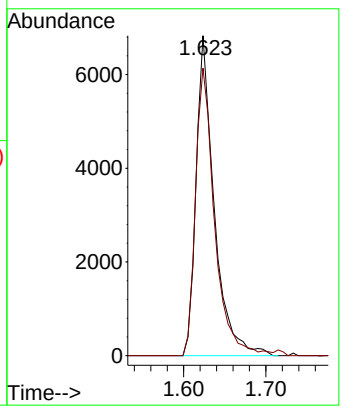




#5
Bromomethane
Concen: 16.017 ug/l
RT: 1.623 min Scan# 8
Delta R.T. -0.001 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 94 Resp: 1048

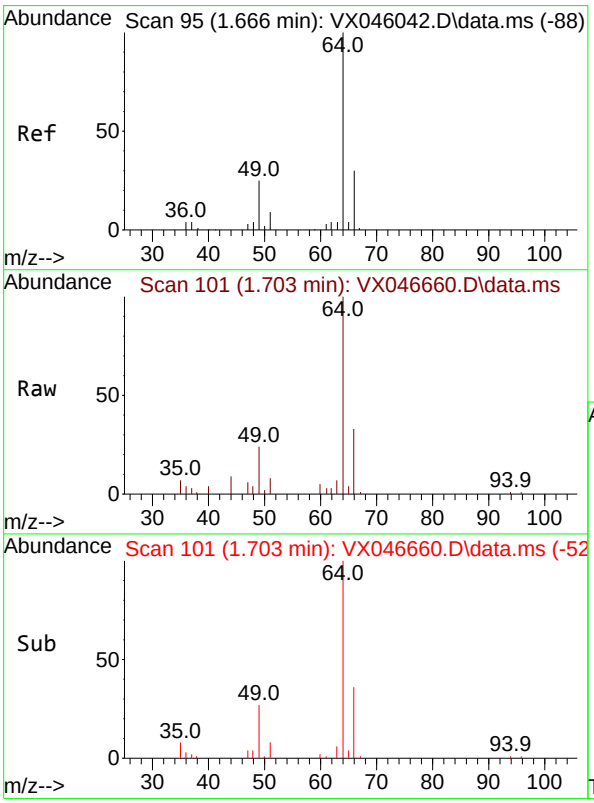
Ion	Ratio	Lower	Upper
94	100		
96	89.9	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

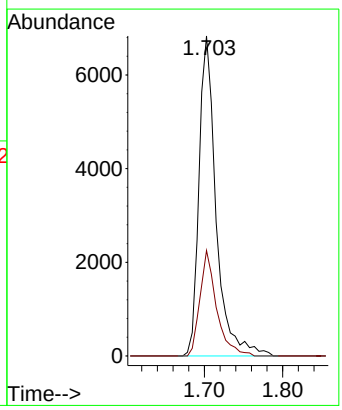
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

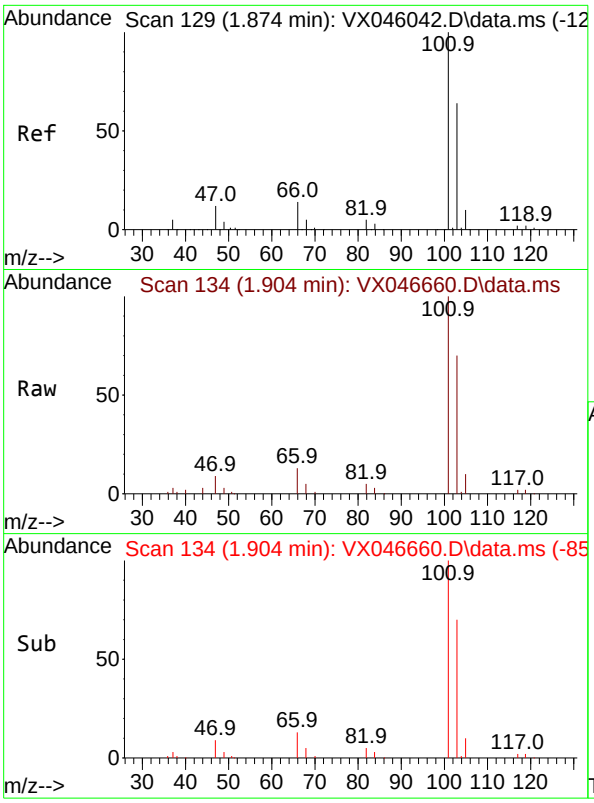


#6
Chloroethane
Concen: 14.800 ug/l
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 64 Resp: 10352

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5

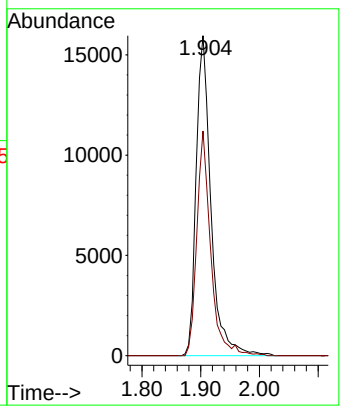




#7
Trichlorofluoromethane
Concen: 15.648 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:101 Resp: 2791

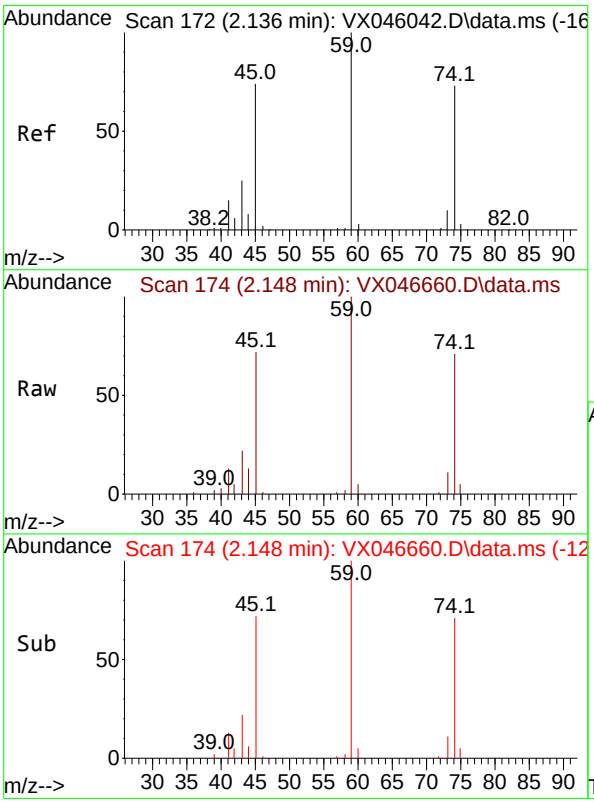
Ion	Ratio	Lower	Upper
101	100		
103	70.2	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

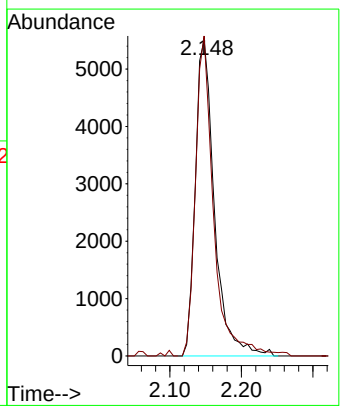
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

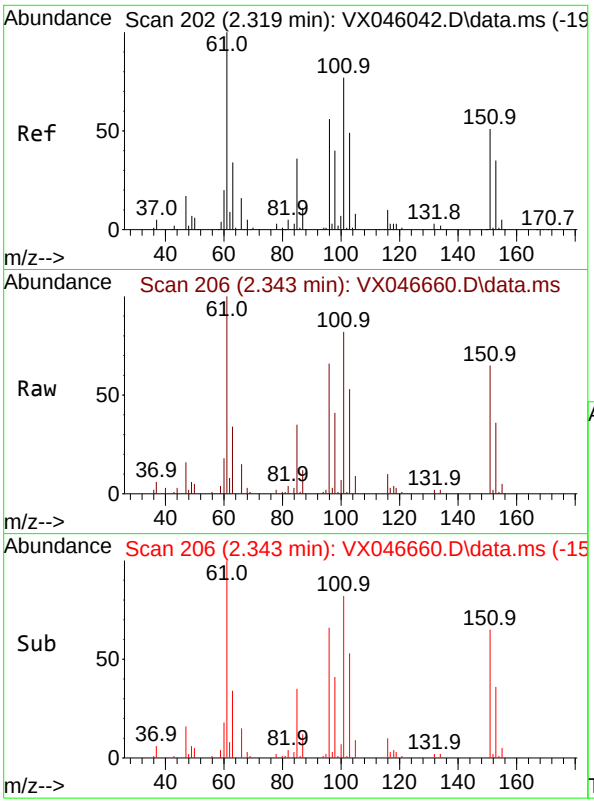


#8
Diethyl Ether
Concen: 16.219 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 74 Resp: 10221

Ion	Ratio	Lower	Upper
74	100		
45	96.2	54.9	164.8

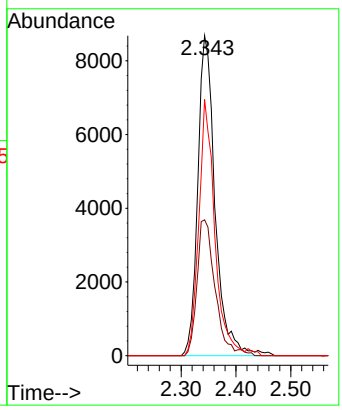




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.032 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:101 Resp: 1914

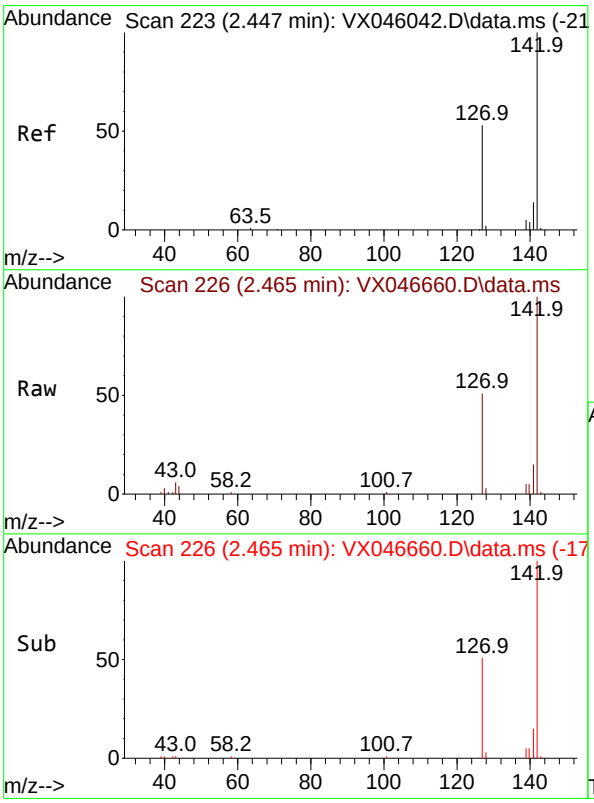
Ion	Ratio	Lower	Upper
101	100		
85	44.4	38.6	58.0
151	73.0	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

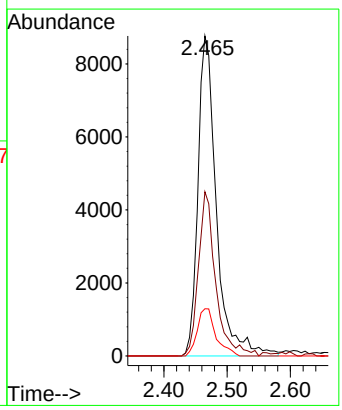
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

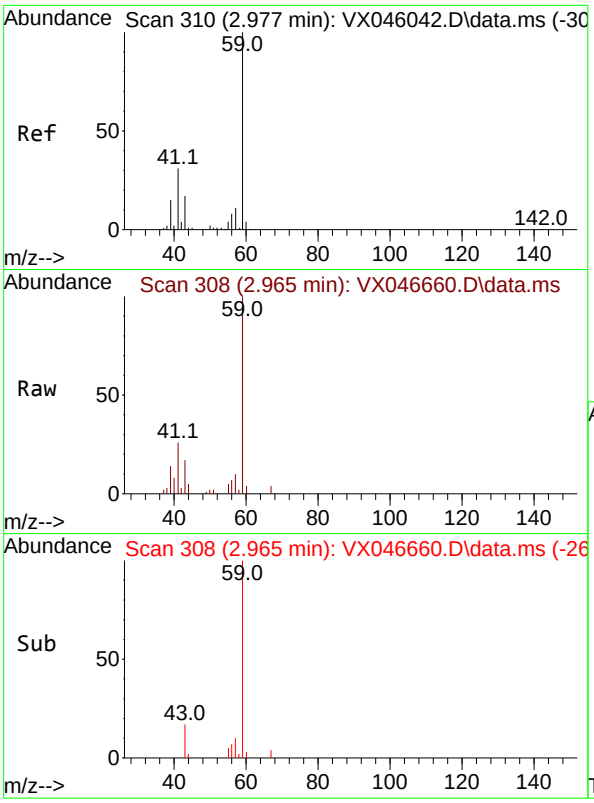


#10
Methyl Iodide
Concen: 14.630 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:142 Resp: 17822

Ion	Ratio	Lower	Upper
142	100		
127	47.9	41.7	62.5
141	14.8	11.5	17.3

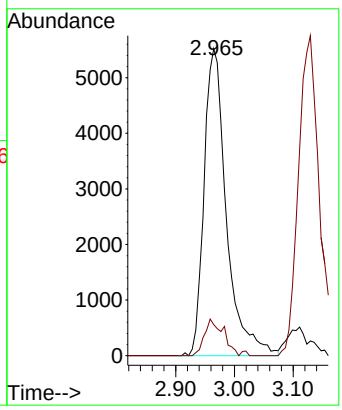




#11
Tert butyl alcohol
Concen: 86.443 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 59 Resp: 1460

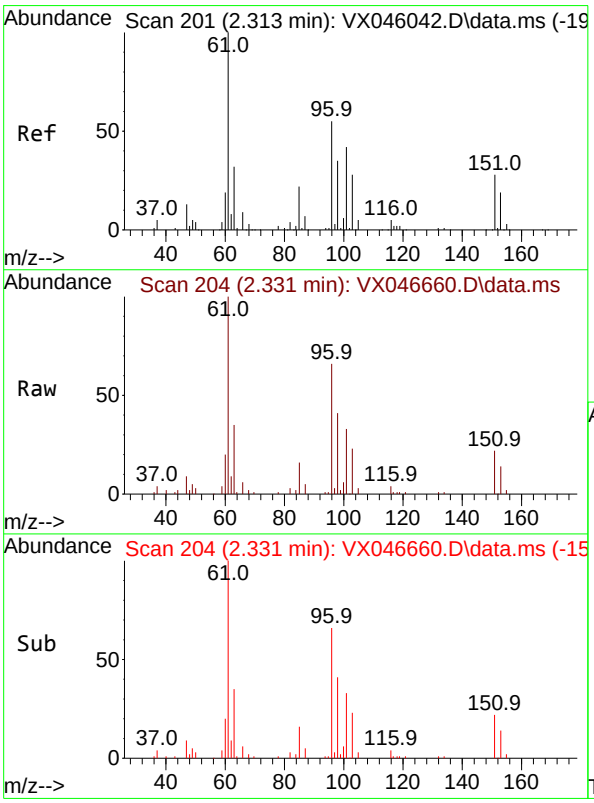
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

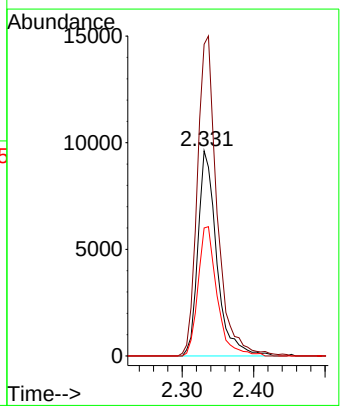
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

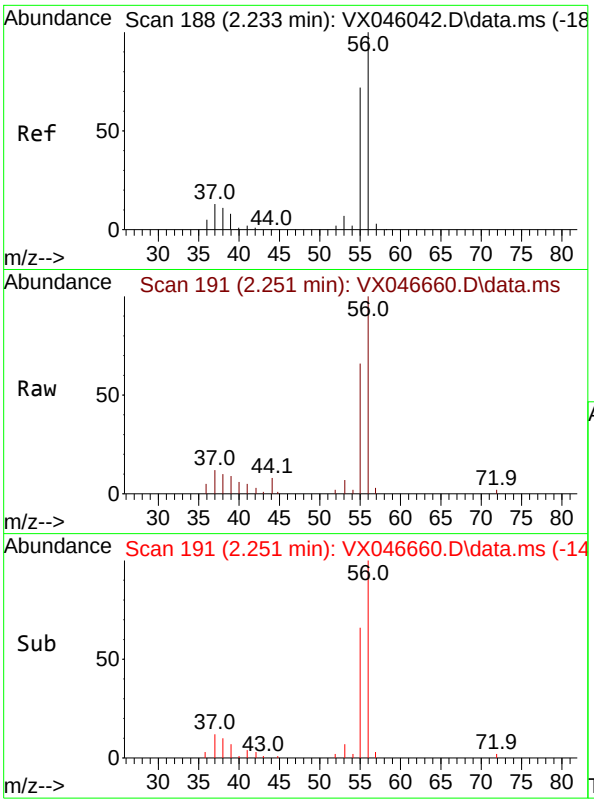


#12
1,1-Dichloroethene
Concen: 17.289 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 96 Resp: 17566

Ion	Ratio	Lower	Upper
96	100		
61	151.9	146.2	219.2
98	62.4	51.0	76.6

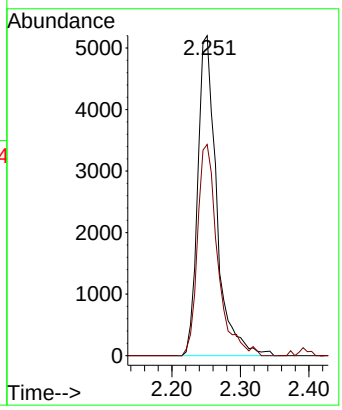




#13
Acrolein
Concen: 73.047 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 56 Resp: 999

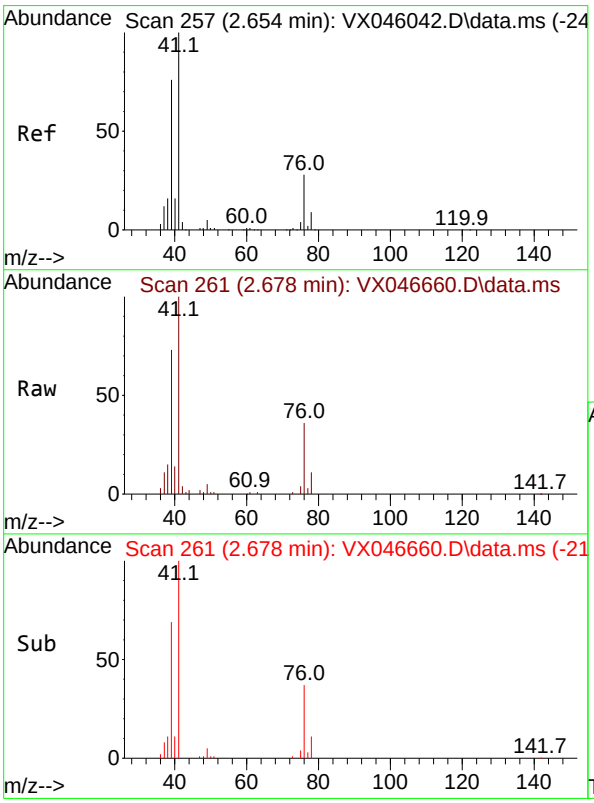
Ion	Ratio	Lower	Upper
56	100		
55	70.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

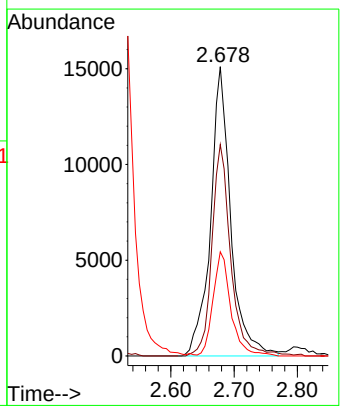
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

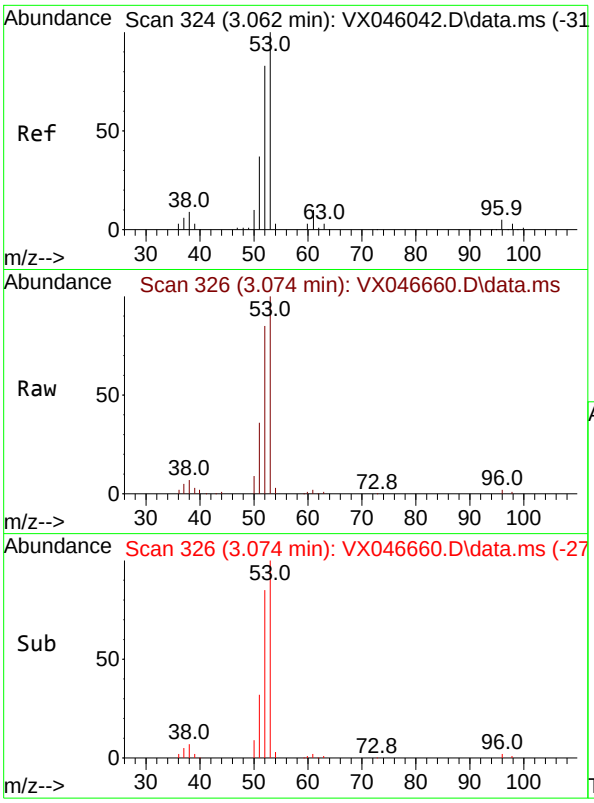


#14
Allyl chloride
Concen: 16.850 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 41 Resp: 33622

Ion	Ratio	Lower	Upper
41	100		
39	68.2	60.6	90.8
76	31.7	24.9	37.3

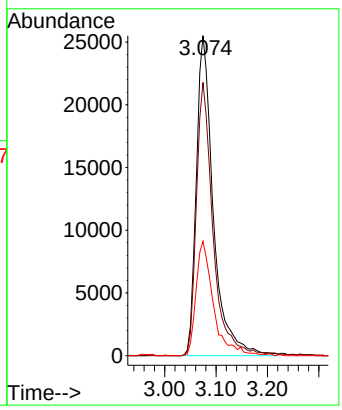




#15
Acrylonitrile
Concen: 91.913 ug/l
RT: 3.074 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 53 Resp: 5871

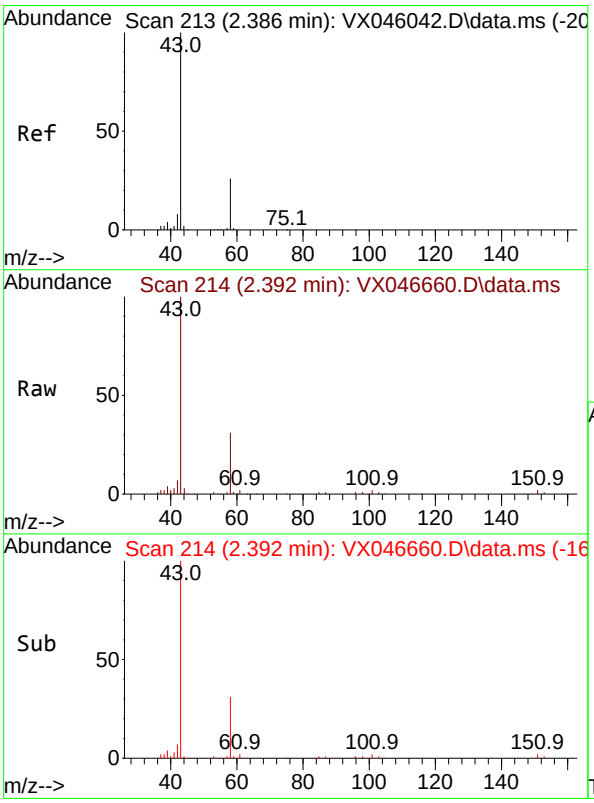
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.7	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

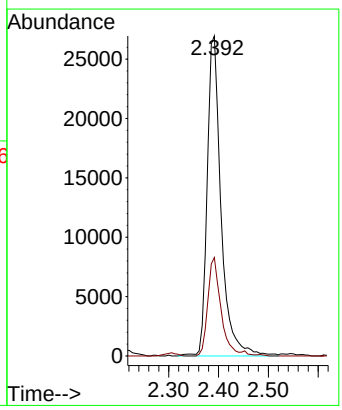
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

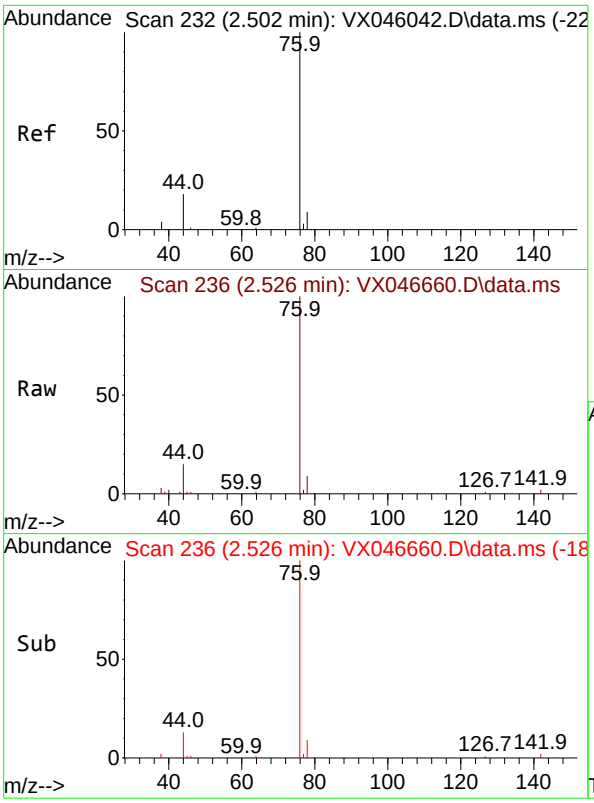


#16
Acetone
Concen: 90.187 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 52132

Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.2	31.8

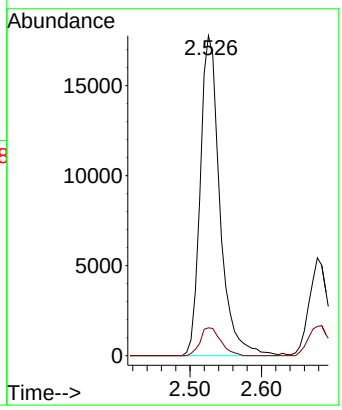




#17
Carbon Disulfide
Concen: 15.809 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 76 Resp: 3380

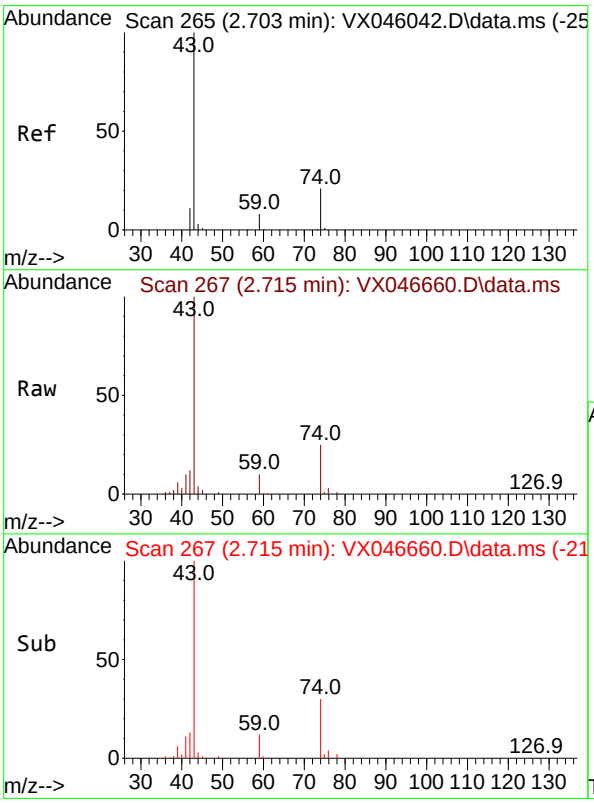
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

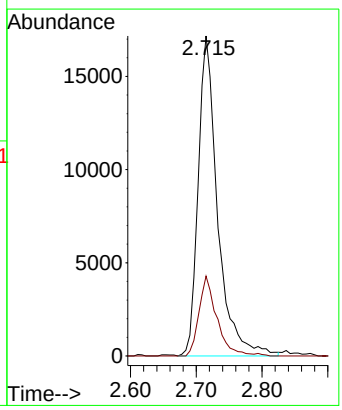
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

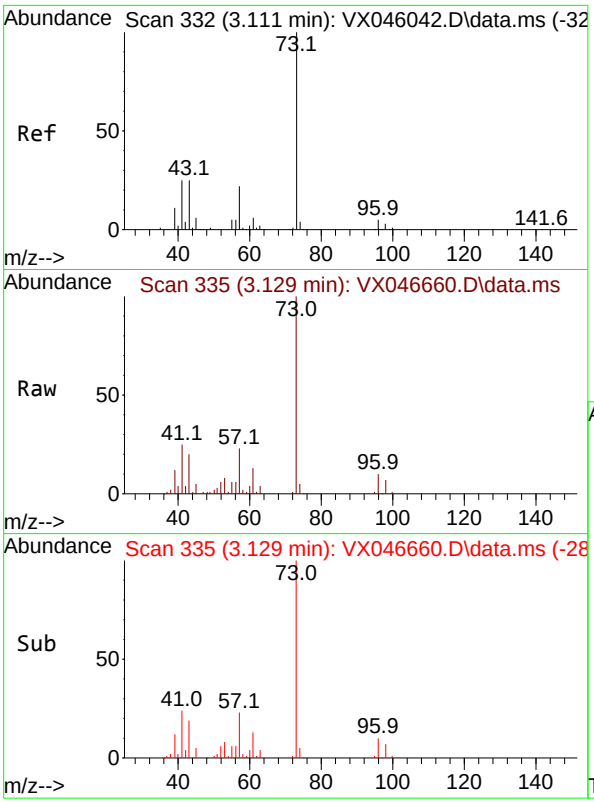


#18
Methyl Acetate
Concen: 19.427 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 35232

Ion	Ratio	Lower	Upper
43	100		
74	23.1	16.7	25.1

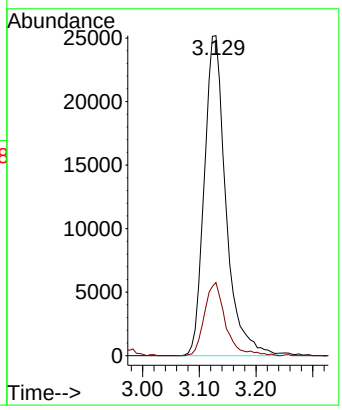




#19
Methyl tert-butyl Ether
Concen: 18.793 ug/l
RT: 3.129 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 73 Resp: 6681

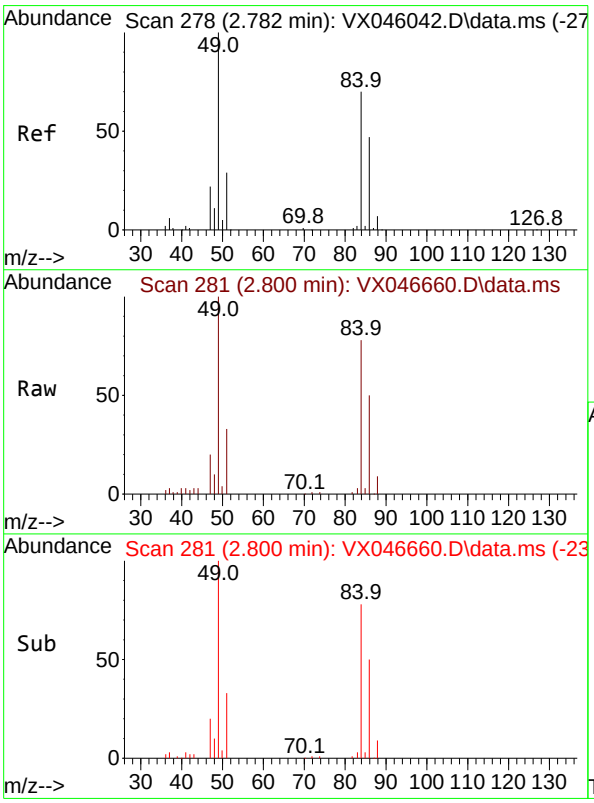
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

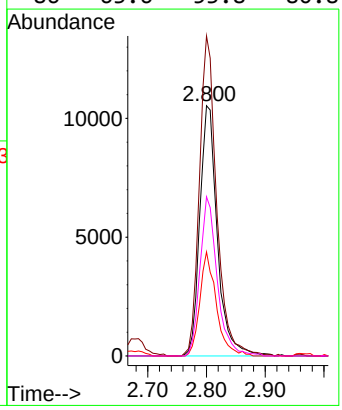
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

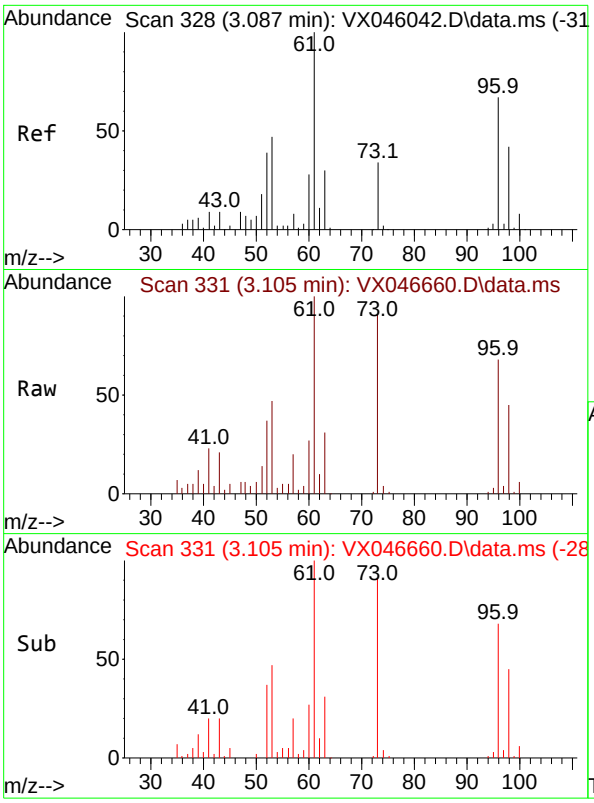


#20
Methylene Chloride
Concen: 17.951 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 84 Resp: 21926

Ion	Ratio	Lower	Upper
84	100		
49	127.9	113.9	170.9
51	41.6	33.5	50.3
86	63.6	53.8	80.8

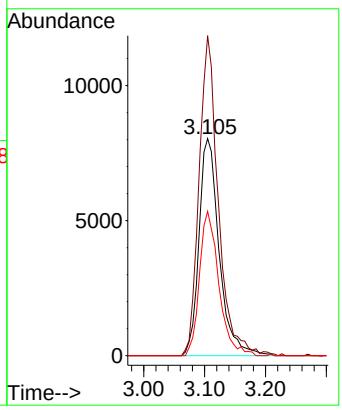




#21
trans-1,2-Dichloroethene
Concen: 17.227 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 96 Resp: 1852

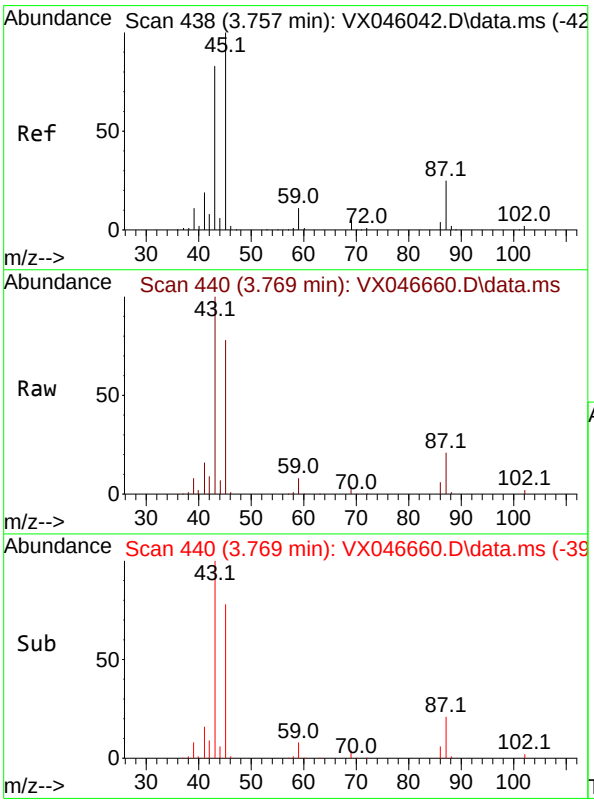
Ion	Ratio	Lower	Upper
96	100		
61	147.4	119.5	179.3
98	66.5	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

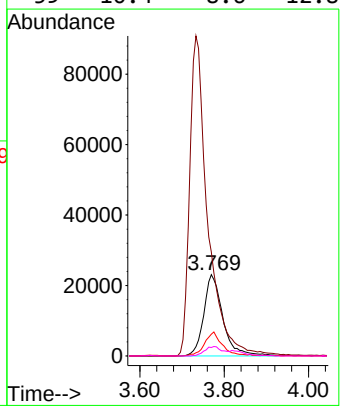
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

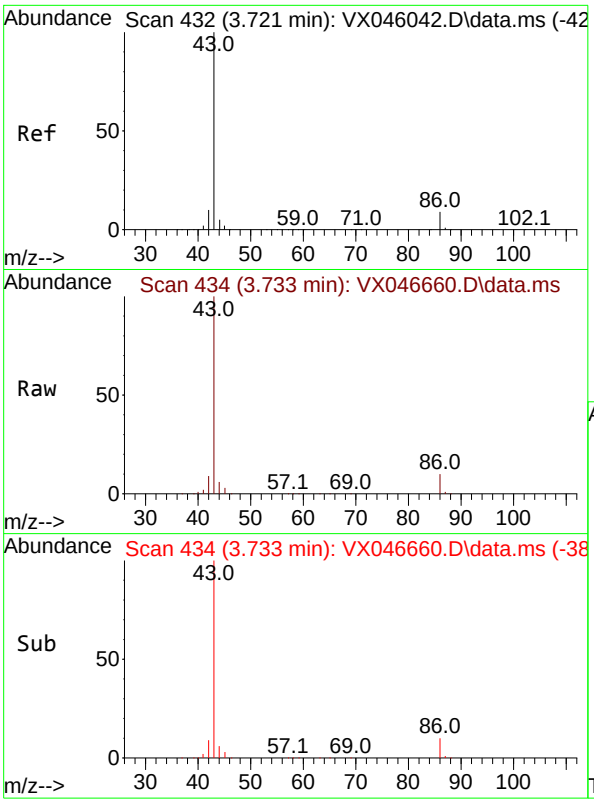


#22
Diisopropyl ether
Concen: 18.494 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.013 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 45 Resp: 72754

Ion	Ratio	Lower	Upper
45	100		
43	127.2	66.6	100.0#
87	26.8	19.8	29.6
59	10.4	8.6	12.8





#23
Vinyl Acetate
Concen: 89.826 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

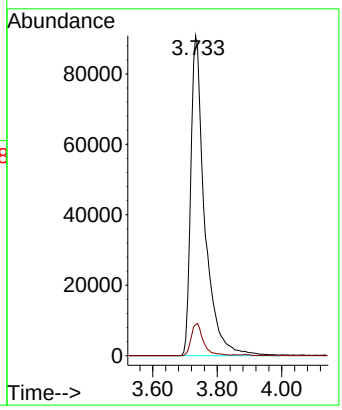
Tgt Ion: 43 Resp: 27282

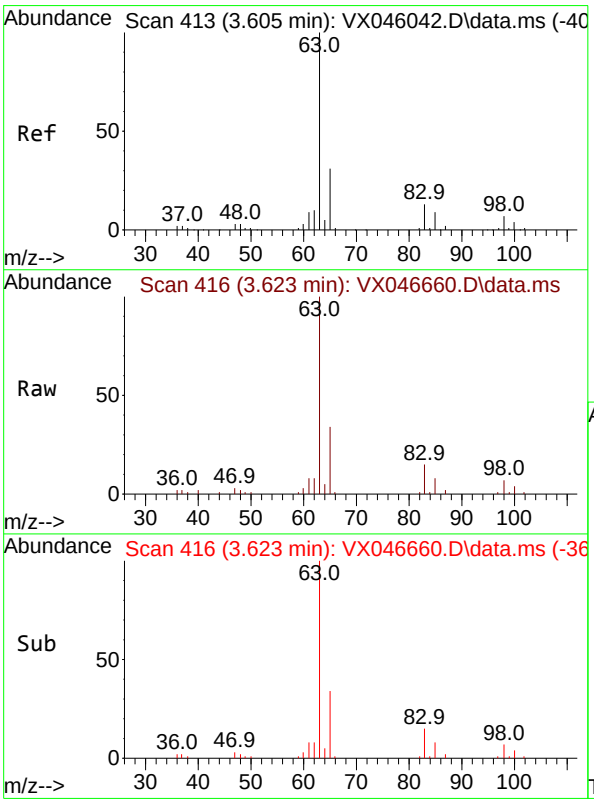
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
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Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

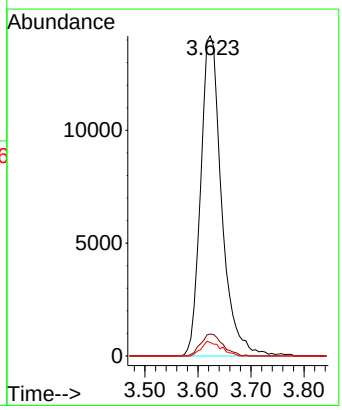


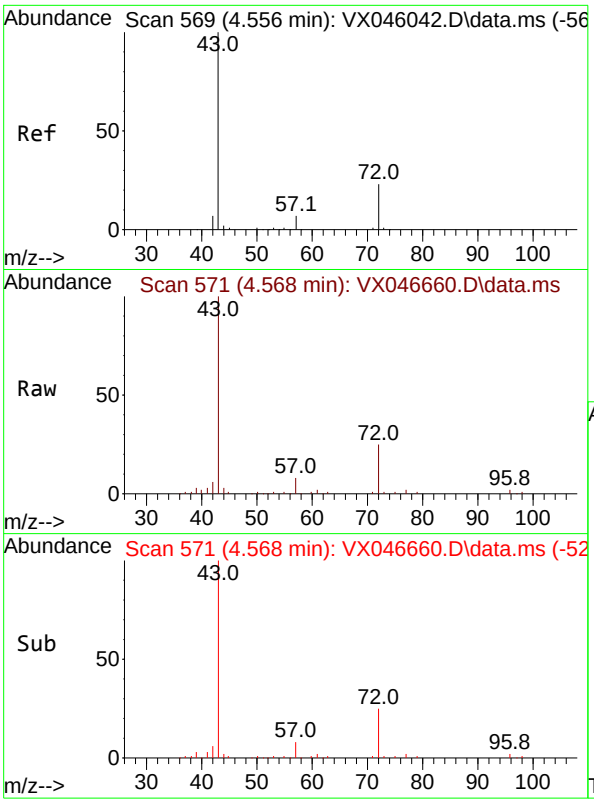


#24
1,1-Dichloroethane
Concen: 17.753 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 63 Resp: 38925

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.2	2.1	6.3

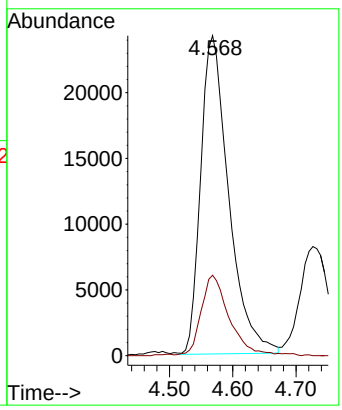




#25
2-Butanone
Concen: 88.008 ug/l
RT: 4.568 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 7459

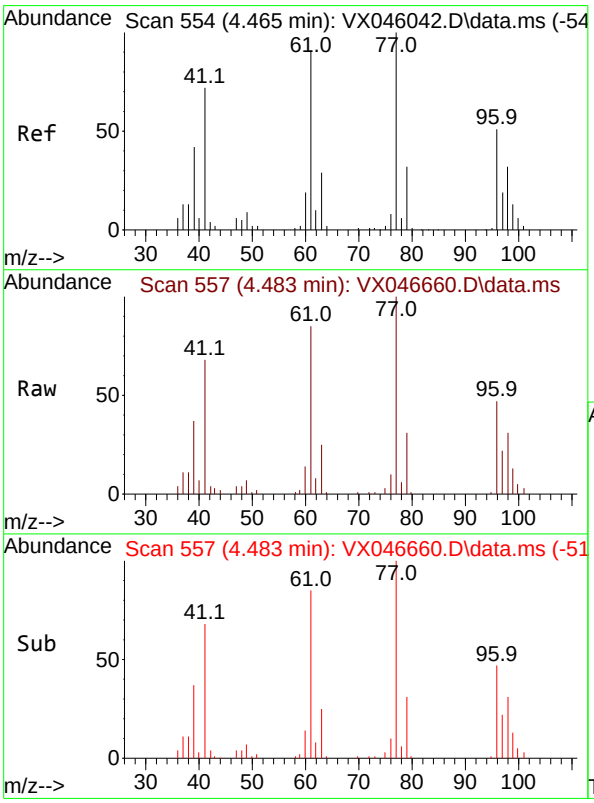
Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
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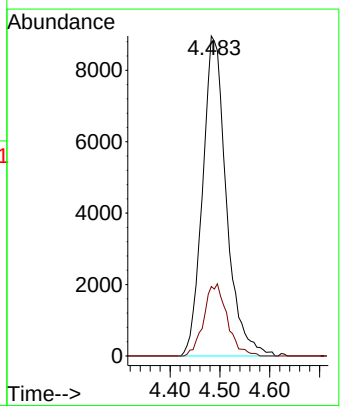
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

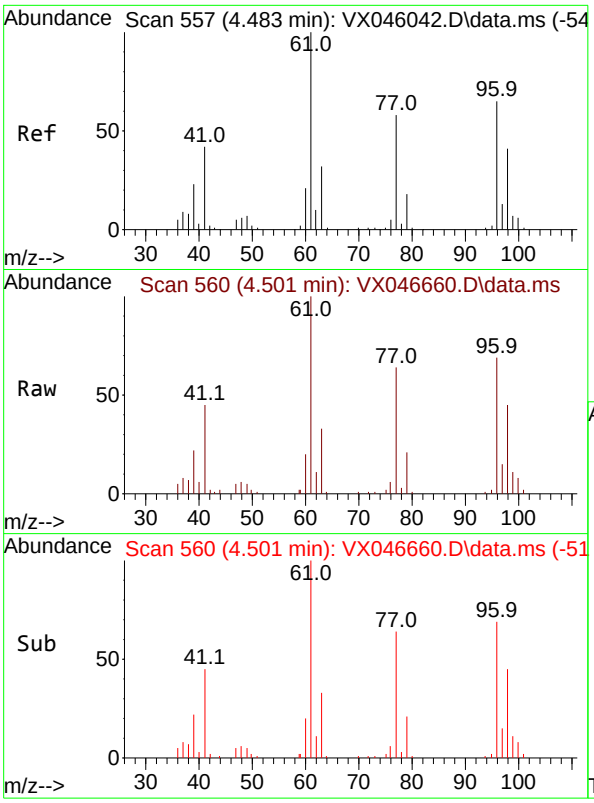


#26
2,2-Dichloropropane
Concen: 18.213 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 77 Resp: 29645

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.5	31.5

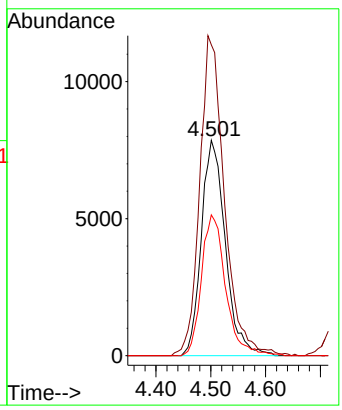




#27
cis-1,2-Dichloroethene
Concen: 18.050 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 96 Resp: 2389

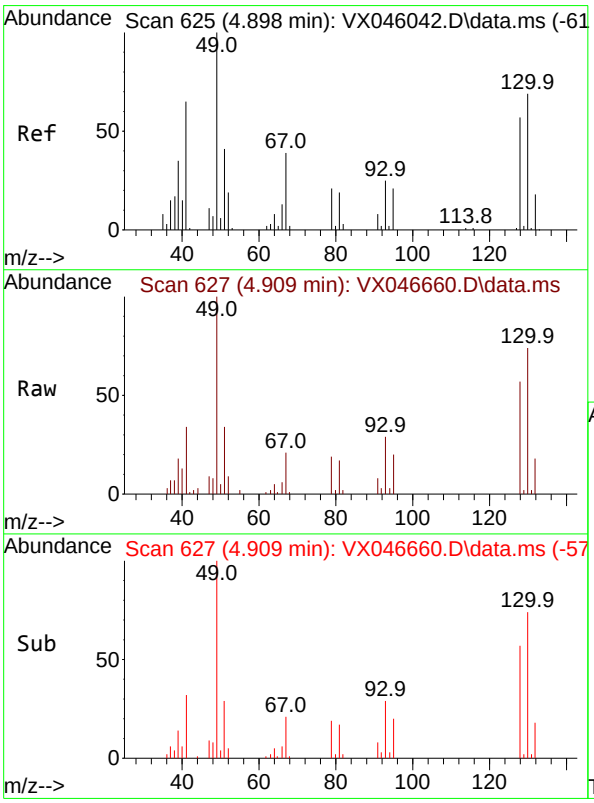
Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	322.8
98	65.9	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

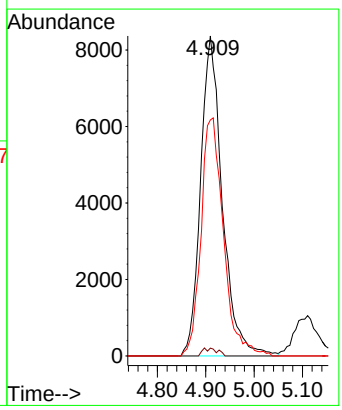
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

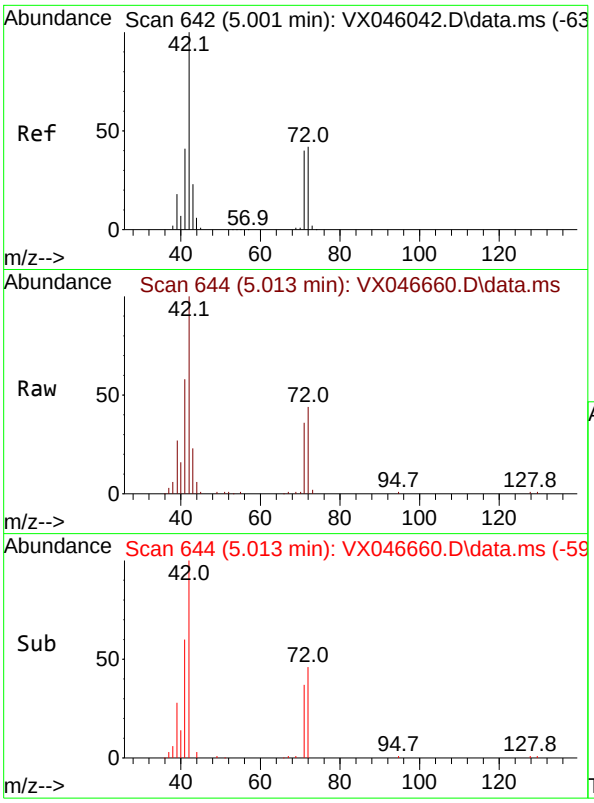


#28
Bromochloromethane
Concen: 24.953 ug/l
RT: 4.909 min Scan# 627
Delta R.T. -0.007 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 49 Resp: 26095

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	76.8	56.2	84.2

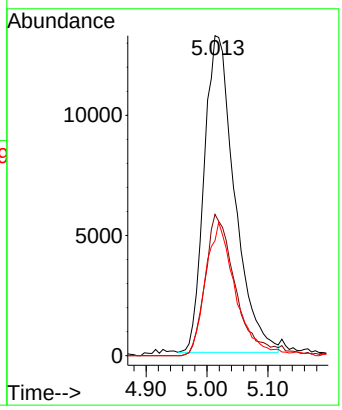




#29
Tetrahydrofuran
Concen: 85.463 ug/l
RT: 5.013 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 42 Resp: 4574

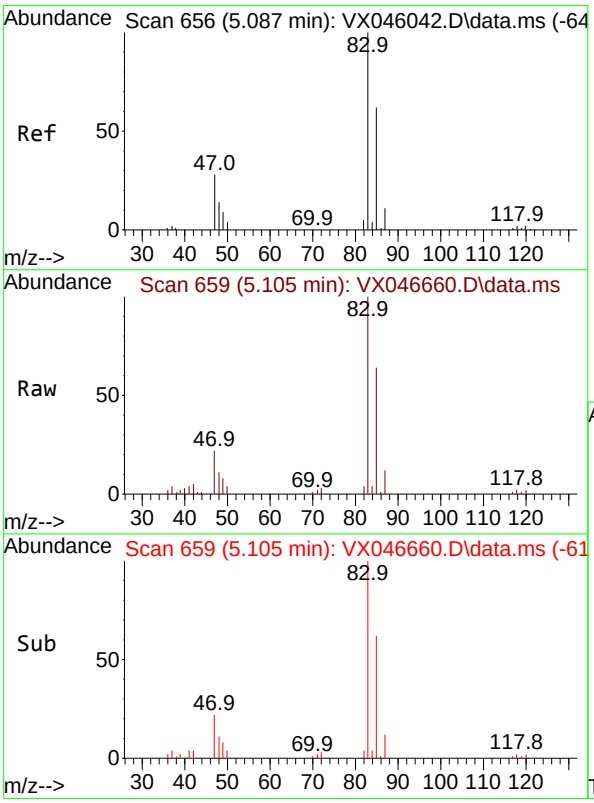
Ion	Ratio	Lower	Upper
42	100		
72	45.3	33.7	50.5
71	41.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

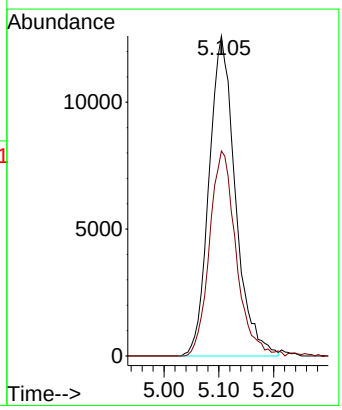
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

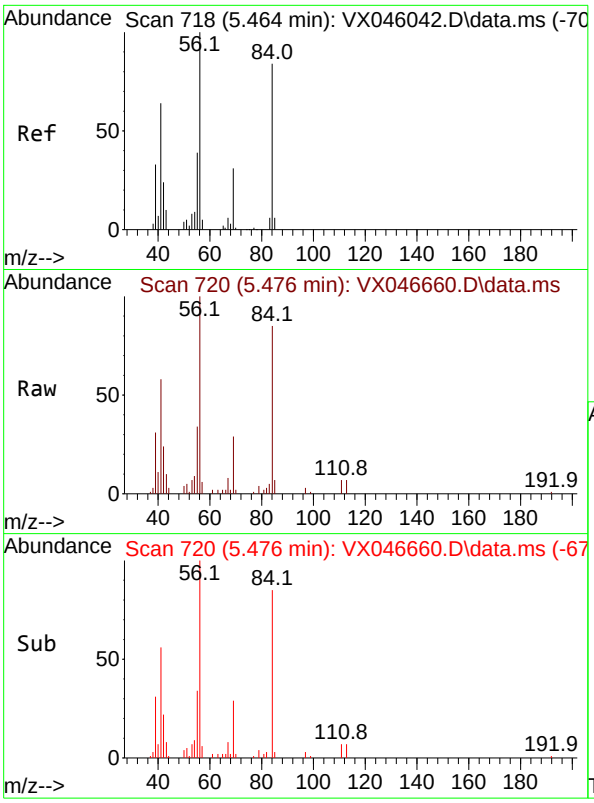


#30
Chloroform
Concen: 18.271 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 83 Resp: 41974

Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.3	73.9

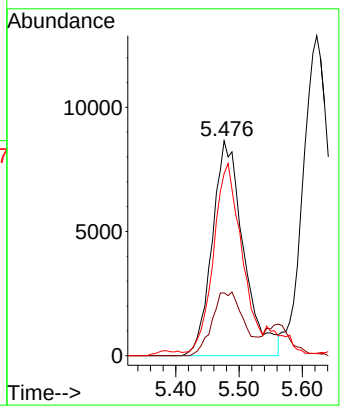




#31
Cyclohexane
Concen: 16.807 ug/l
RT: 5.476 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 56 Resp: 2974

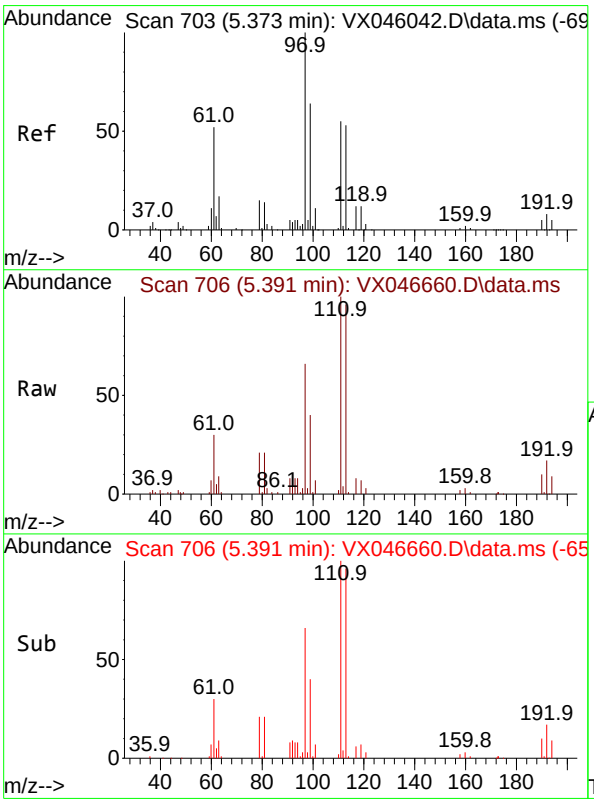
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.4	36.6
84	82.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

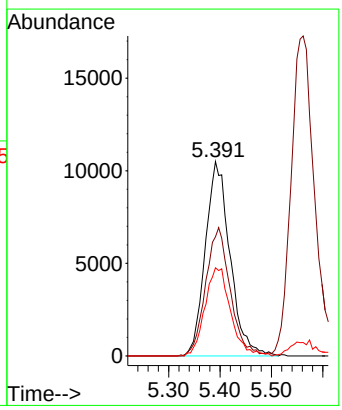
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

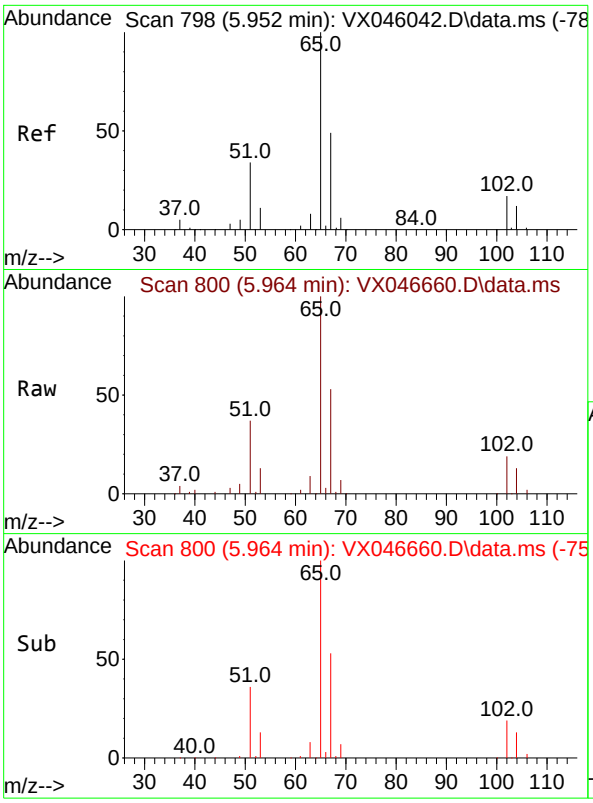


#32
1,1,1-Trichloroethane
Concen: 17.821 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 97 Resp: 35020

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	47.0	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 41.517 ug/l
RT: 5.964 min Scan# 8(
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

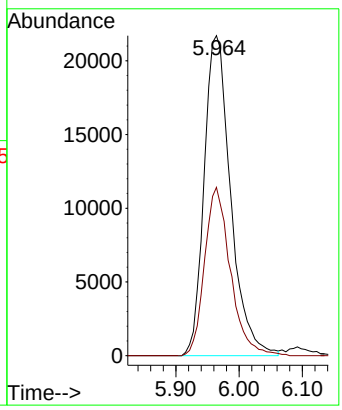
Tgt Ion: 65 Resp: 6321(

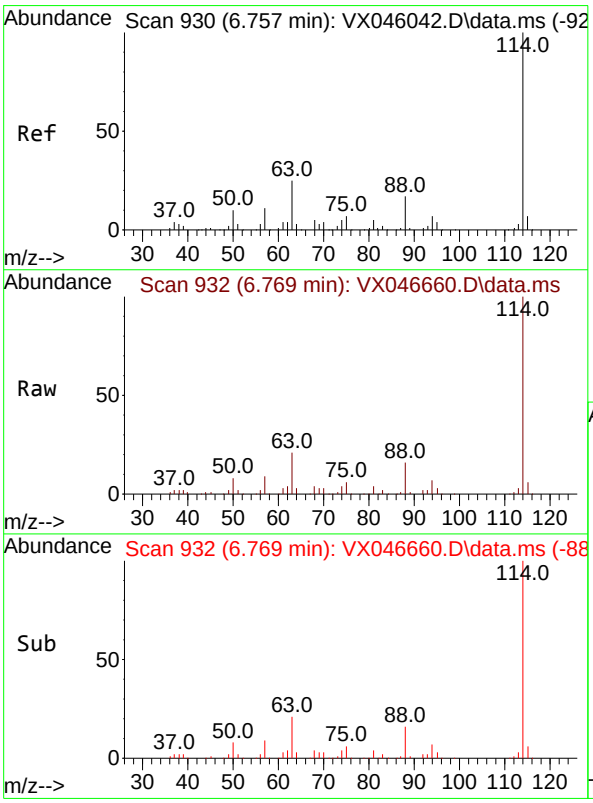
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

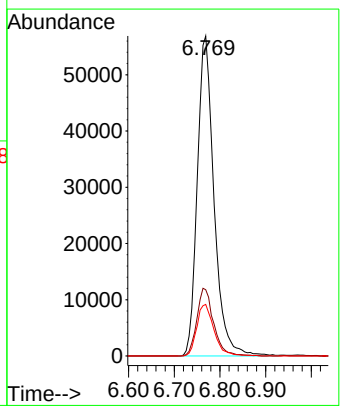


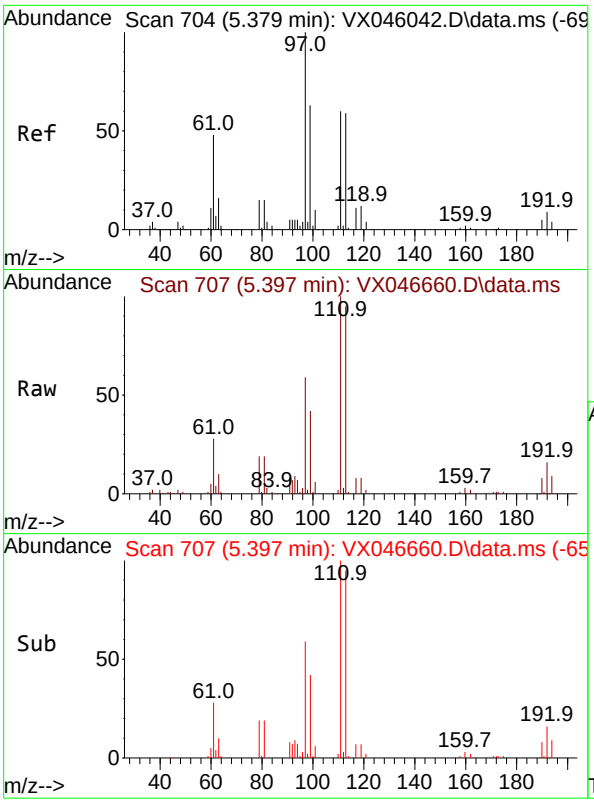


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:114 Resp: 144622

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	49.2
88	16.1	0.0	33.6

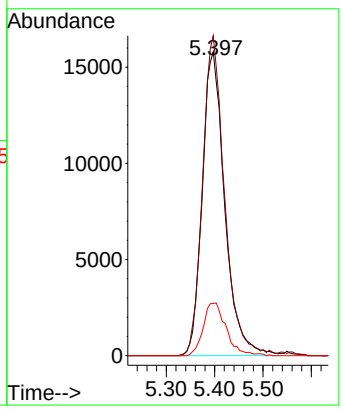




#35
Dibromofluoromethane
Concen: 47.973 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:113 Resp: 5102

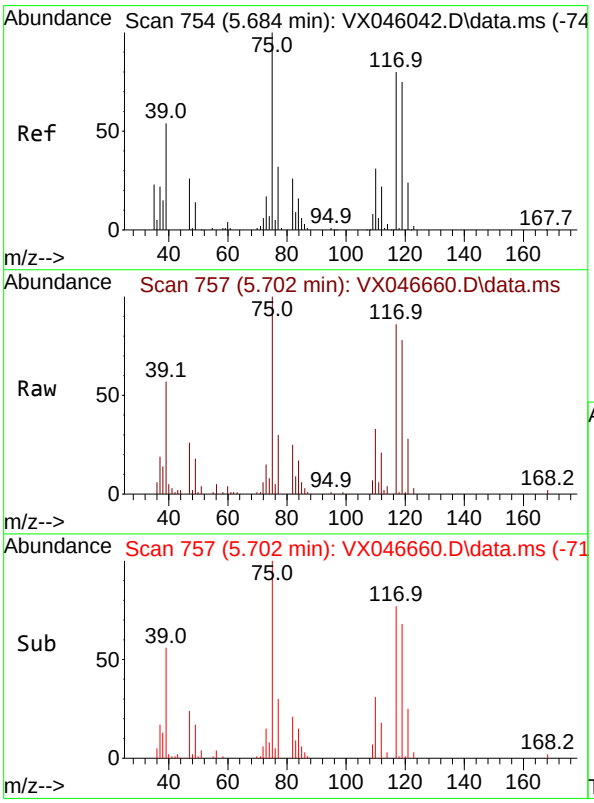
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	17.8	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

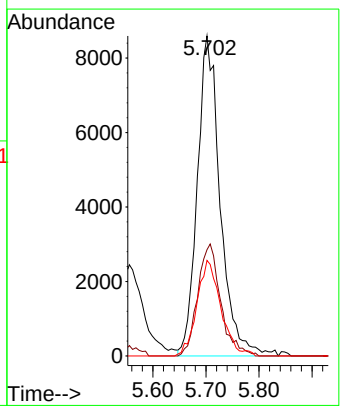
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

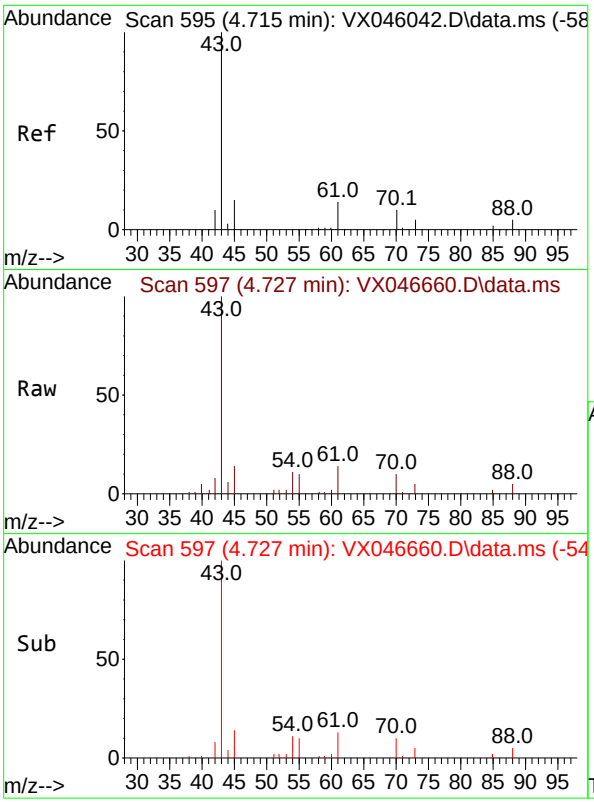


#36
1,1-Dichloropropene
Concen: 16.997 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.012 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 25822

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.3	48.9
77	31.2	24.3	36.5

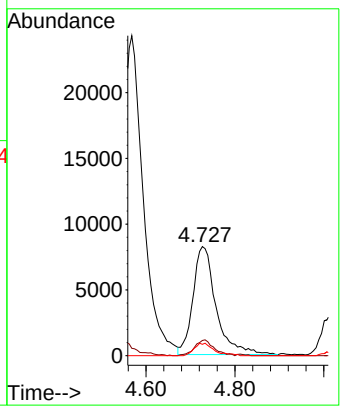




#37
Ethyl Acetate
Concen: 19.954 ug/l
RT: 4.727 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 2958

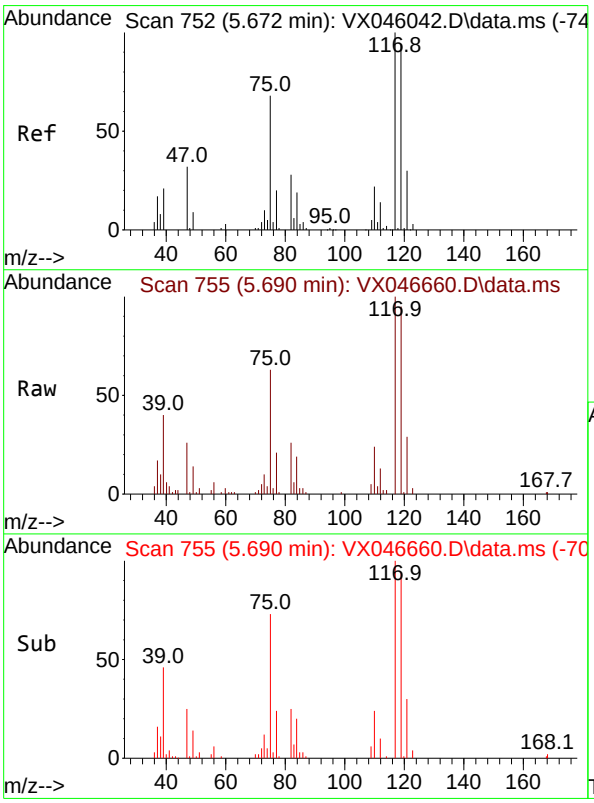
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	10.0	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

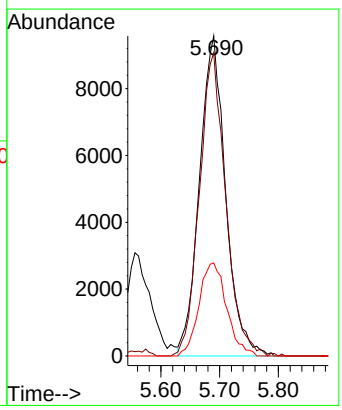
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

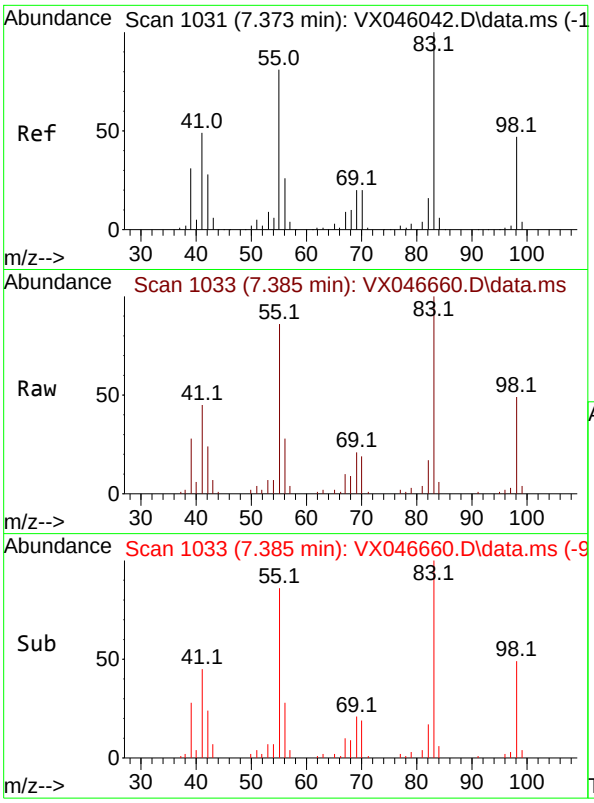


#38
Carbon Tetrachloride
Concen: 17.420 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:117 Resp: 29642

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.2	112.8
121	29.1	24.2	36.4

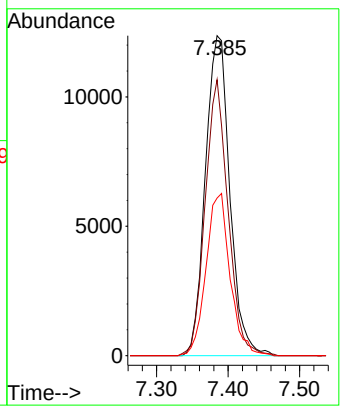




#39
Methylcyclohexane
Concen: 16.376 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 83 Resp: 2936

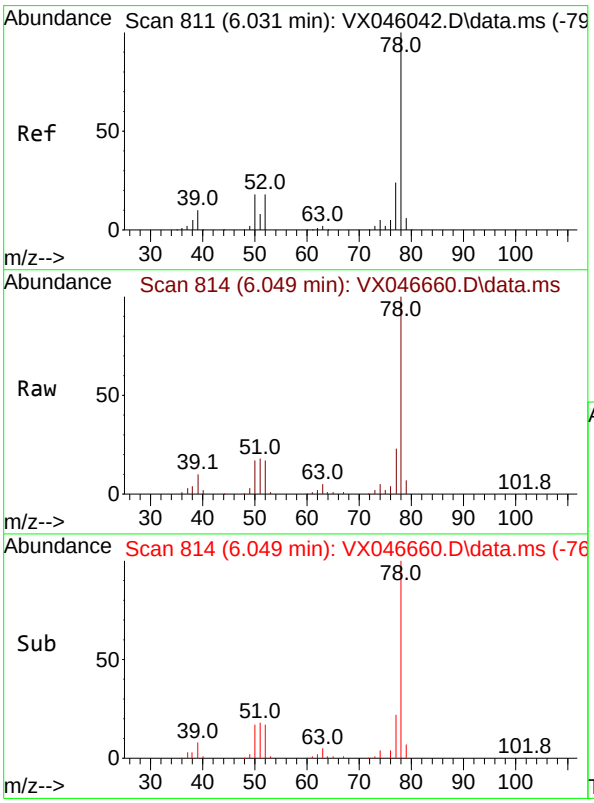
Ion	Ratio	Lower	Upper
83	100		
55	86.3	64.7	97.1
98	49.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

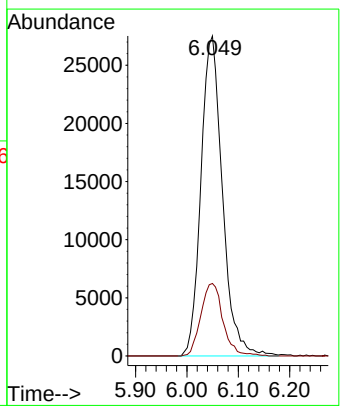
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

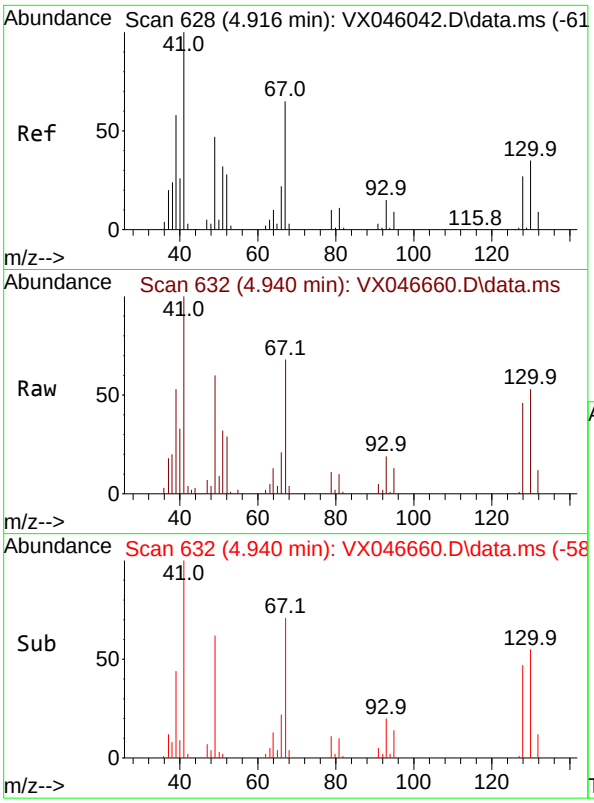


#40
Benzene
Concen: 18.661 ug/l
RT: 6.049 min Scan# 814
Delta R.T. -0.007 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 78 Resp: 79810

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4

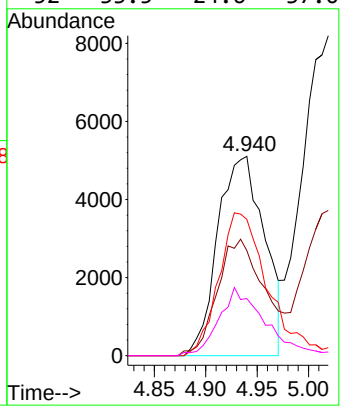




#41
Methacrylonitrile
Concen: 17.507 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 41 Resp: 1612

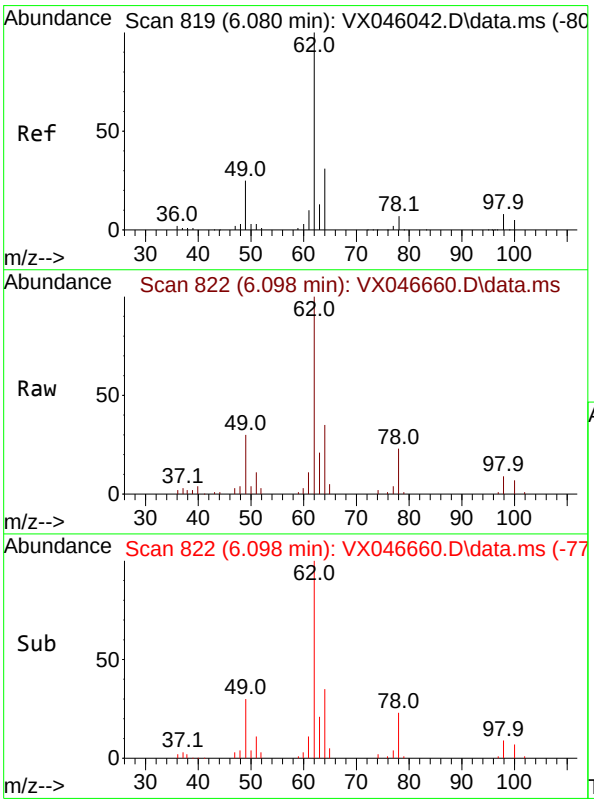
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.2	70.8
67	76.7	50.7	76.1
52	33.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

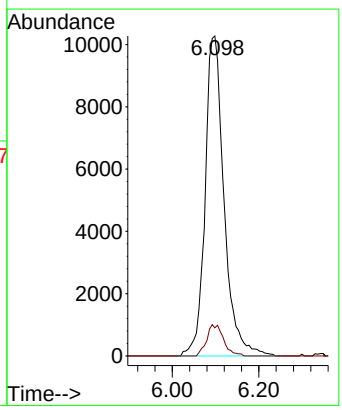
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

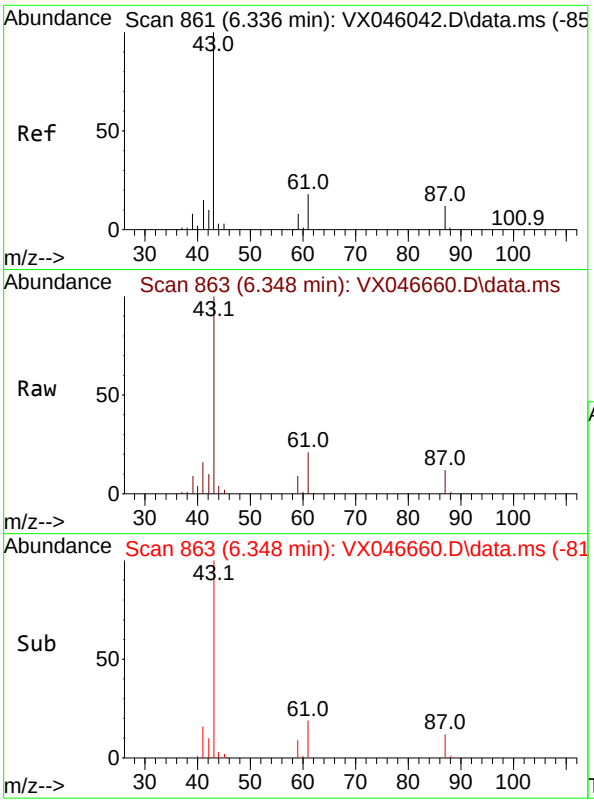


#42
1,2-Dichloroethane
Concen: 17.565 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 62 Resp: 31253

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.2

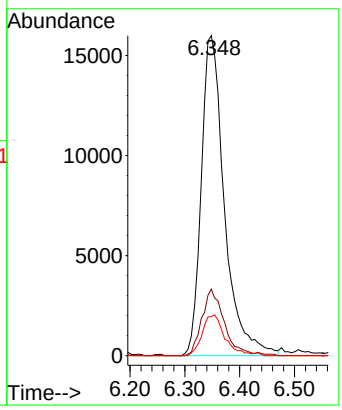




#43
Isopropyl Acetate
Concen: 18.125 ug/l
RT: 6.348 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 4685

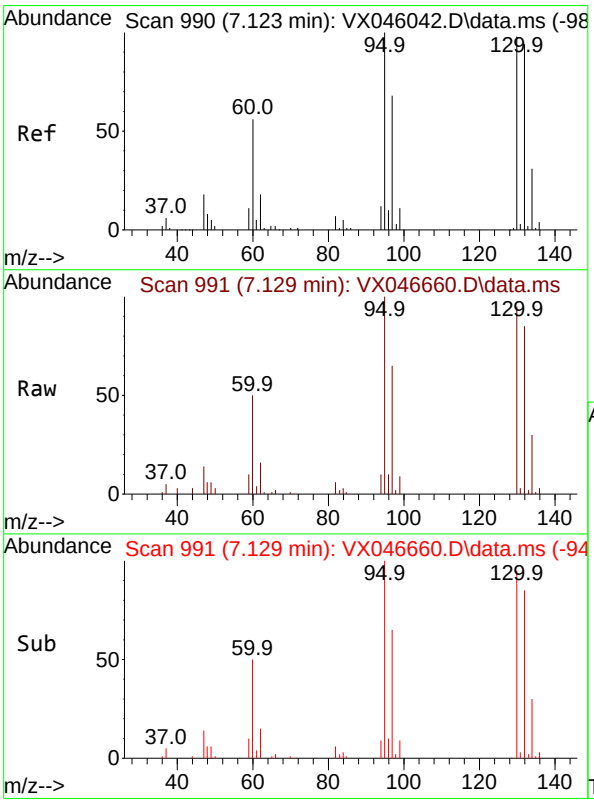
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.3	21.5
87	12.5	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

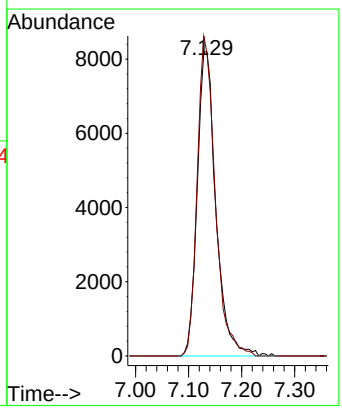
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

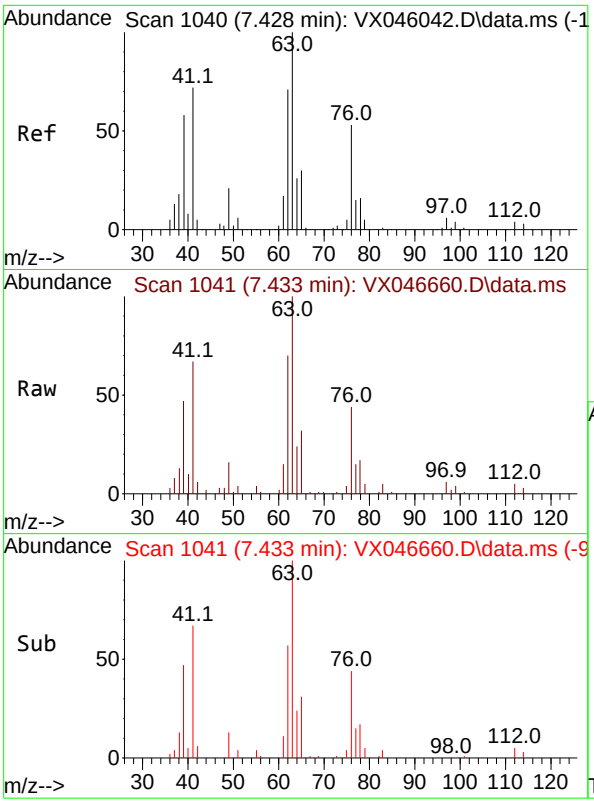


#44
Trichloroethene
Concen: 18.526 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:130 Resp: 20132

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	204.2

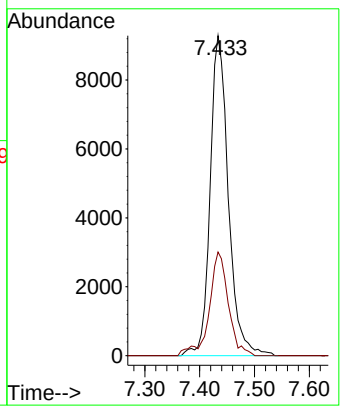




#45
1,2-Dichloropropane
Concen: 19.396 ug/l
RT: 7.433 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 63 Resp: 2141

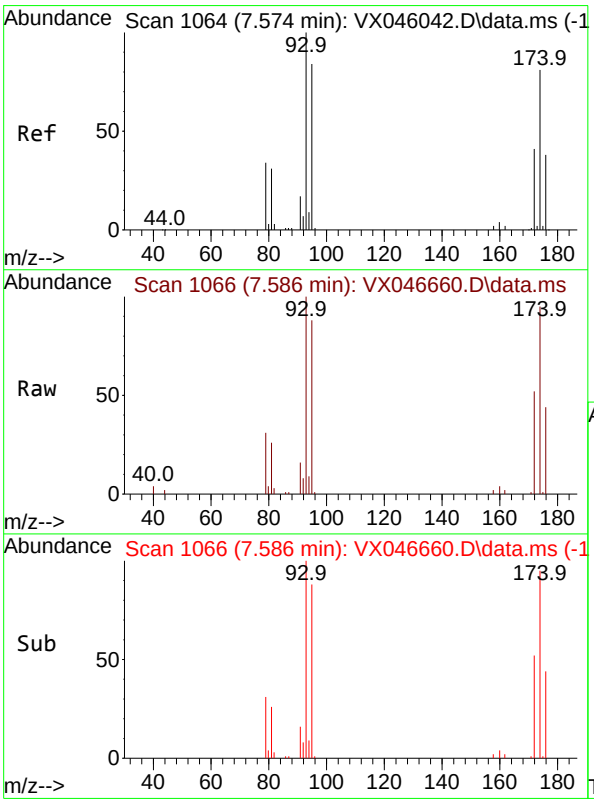
Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

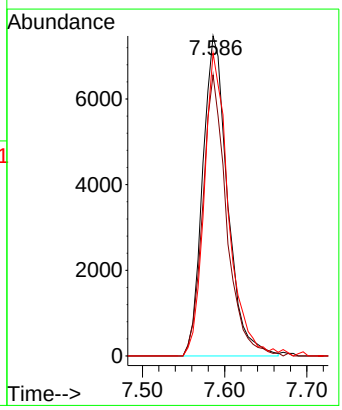
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

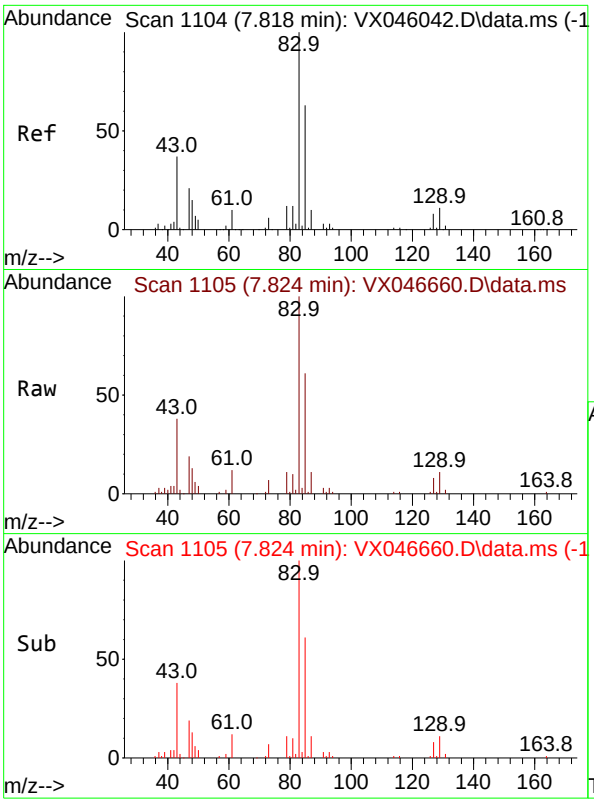


#46
Dibromomethane
Concen: 18.933 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 93 Resp: 15723

Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.6	98.4
174	93.3	68.2	102.2

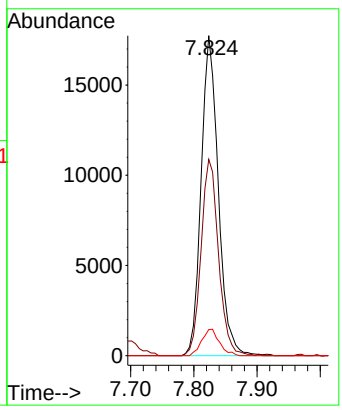




#47
Bromodichloromethane
Concen: 19.622 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 83 Resp: 3350

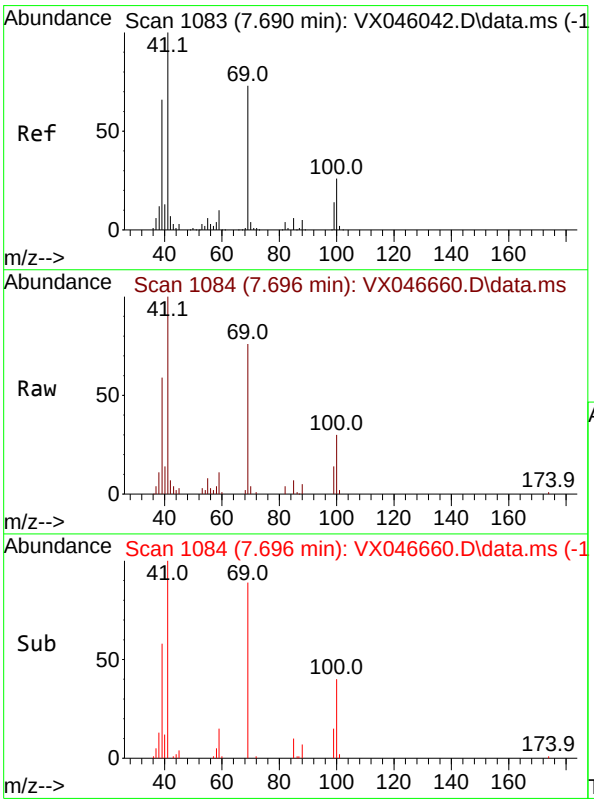
Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.5	75.7
127	8.2	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

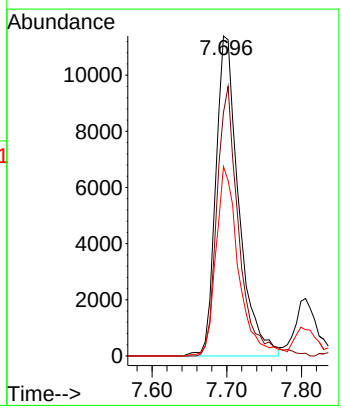
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

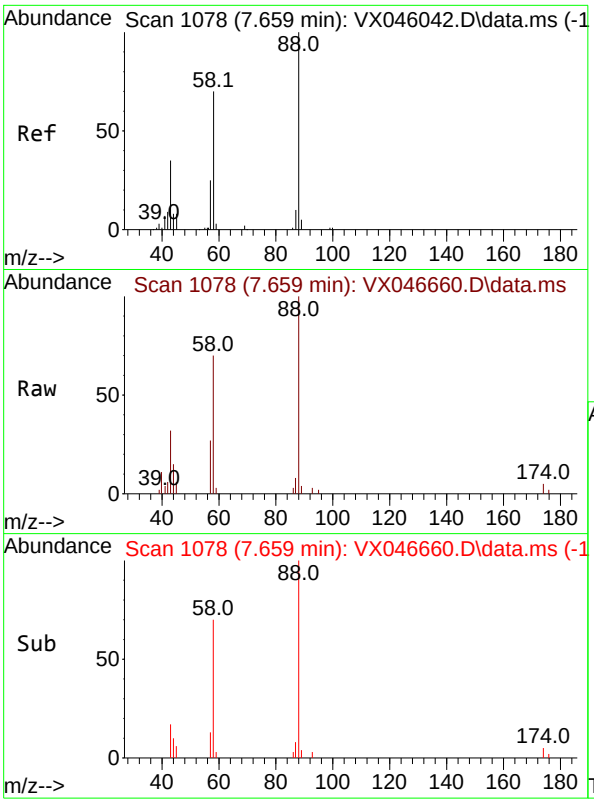


#48
Methyl methacrylate
Concen: 18.316 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 41 Resp: 24360

Ion	Ratio	Lower	Upper
41	100		
69	79.8	58.5	87.7
39	58.4	51.7	77.5

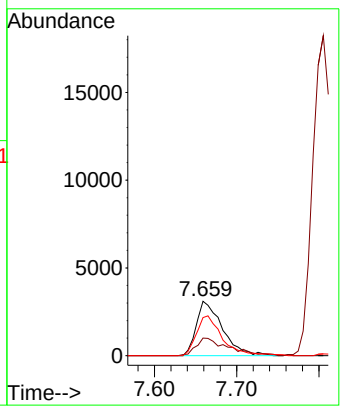




#49
1,4-Dioxane
Concen: 382.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 88 Resp: 679

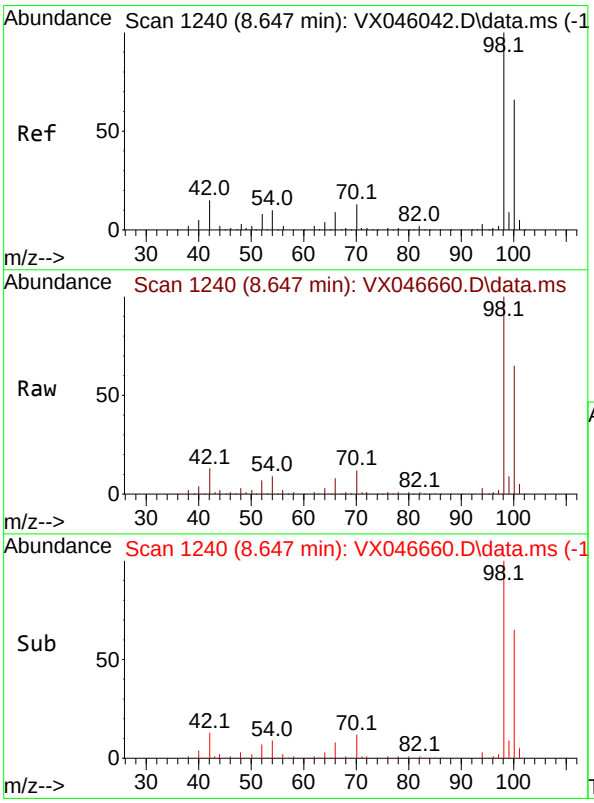
Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.4	50.2
58	73.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

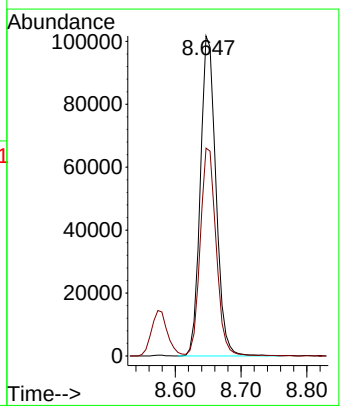
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

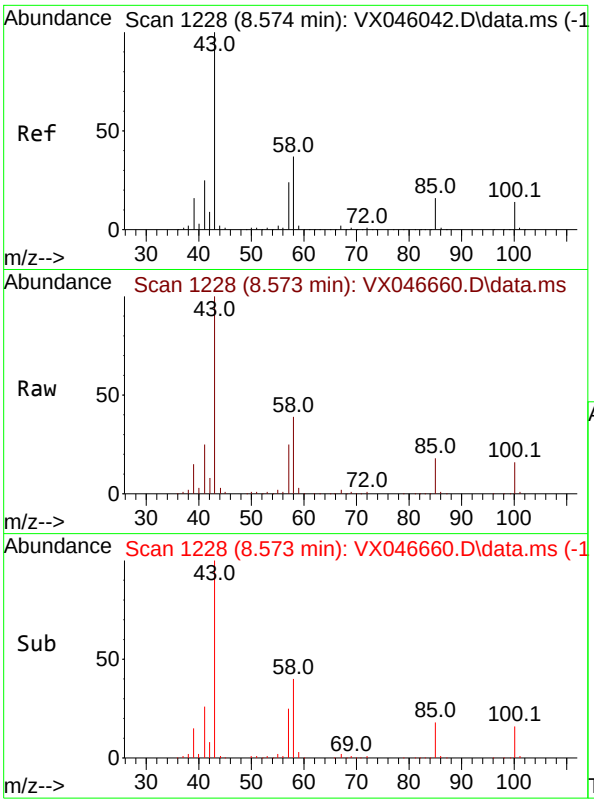


#50
Toluene-d8
Concen: 47.755 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 98 Resp: 167446

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3

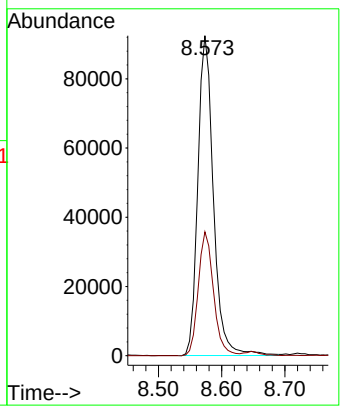




#51
4-Methyl-2-Pentanone
Concen: 96.503 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 15851

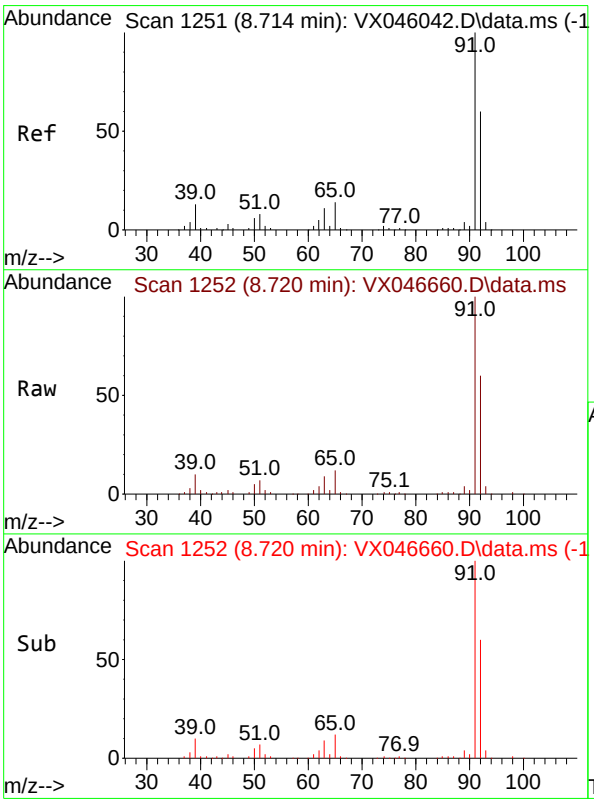
Ion	Ratio	Lower	Upper
43	100		
58	38.0	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

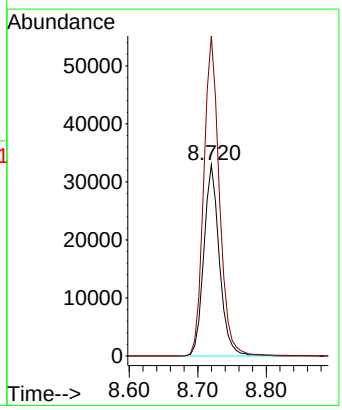
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

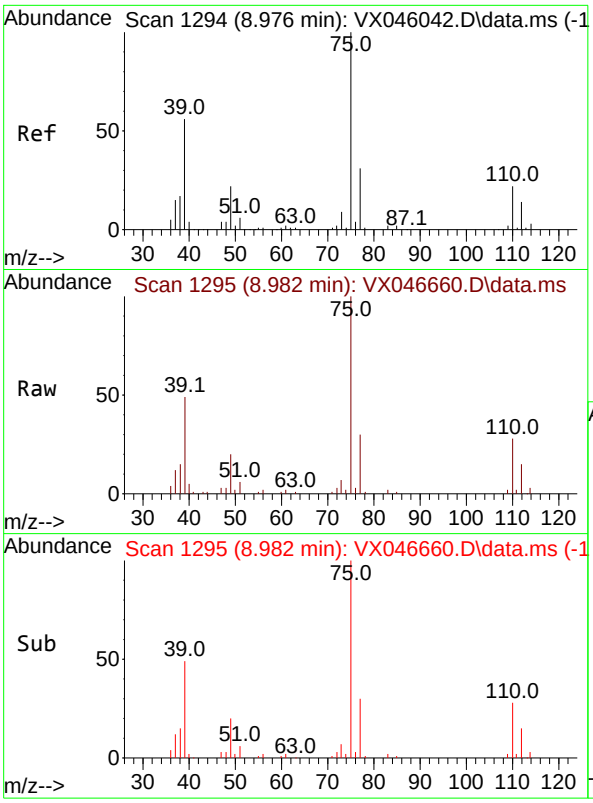


#52
Toluene
Concen: 19.796 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 92 Resp: 52013

Ion	Ratio	Lower	Upper
92	100		
91	168.5	136.6	205.0

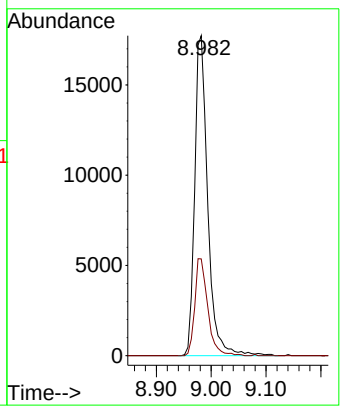




#53
t-1,3-Dichloropropene
Concen: 19.193 ug/l
RT: 8.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 2938

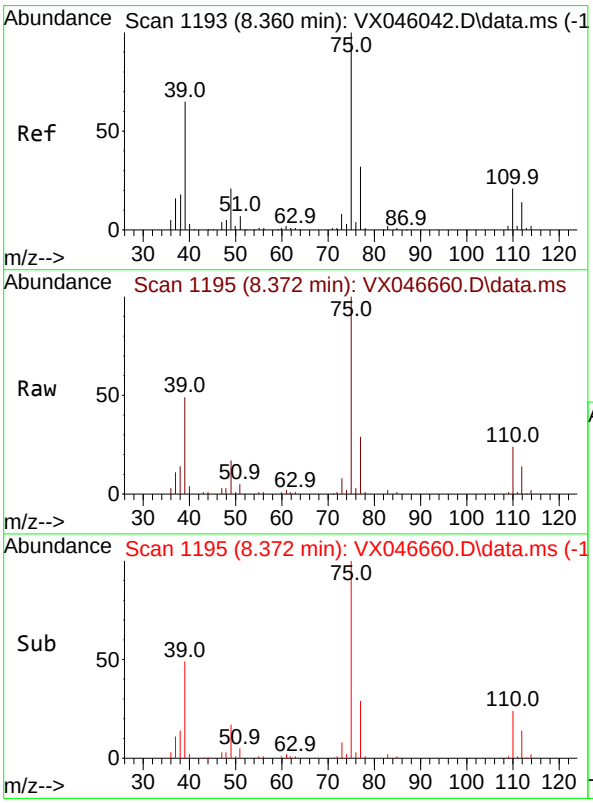
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

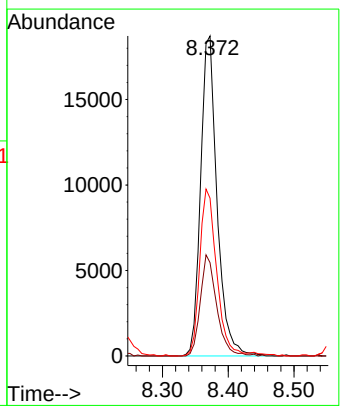
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

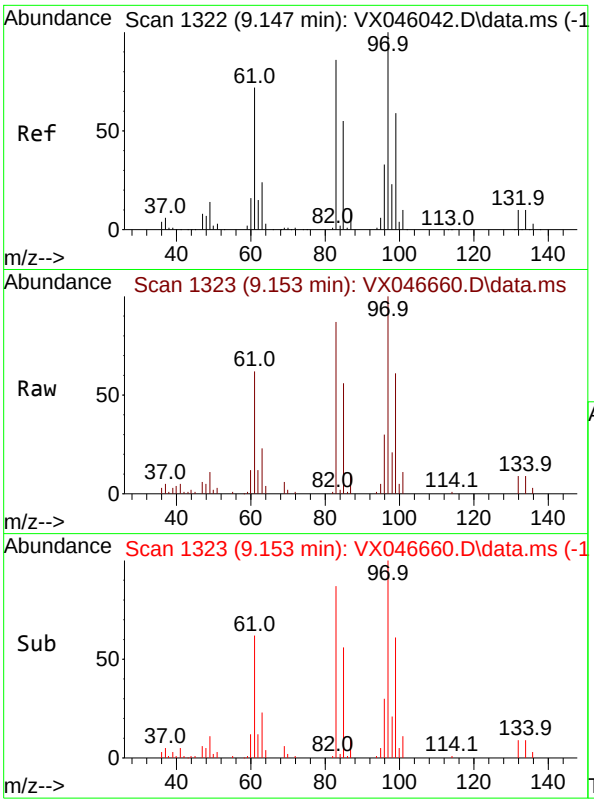


#54
cis-1,3-Dichloropropene
Concen: 19.161 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 32617

Ion	Ratio	Lower	Upper
75	100		
77	29.1	25.4	38.0
39	49.3	52.2	78.4#

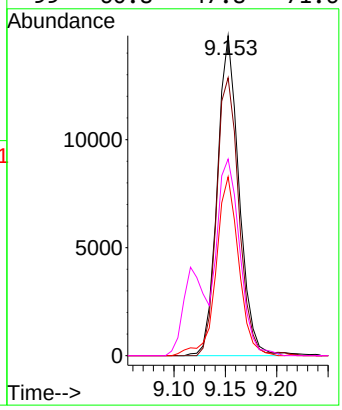




#55
1,1,2-Trichloroethane
Concen: 20.618 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 97 Resp: 2174

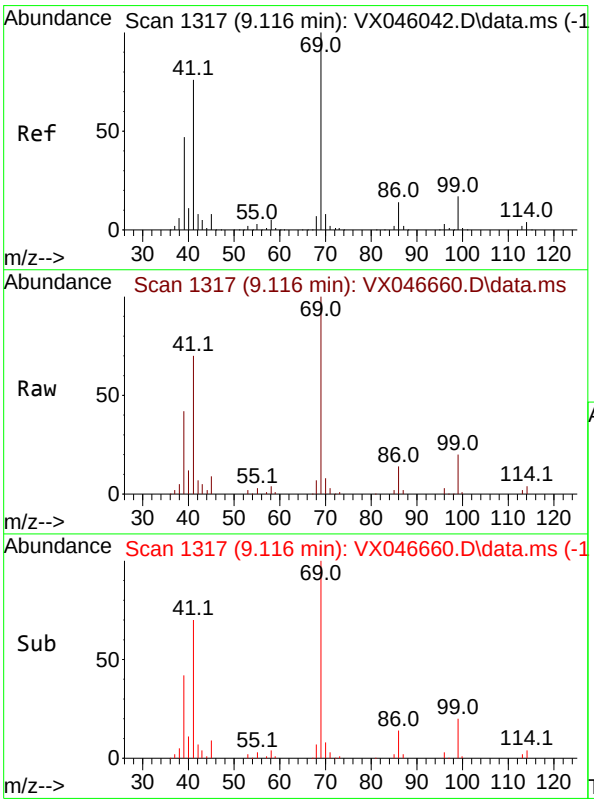
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	55.9	44.3	66.5
99	60.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

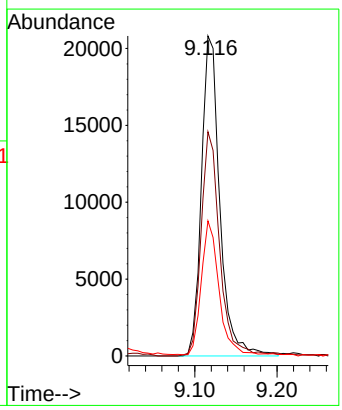
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

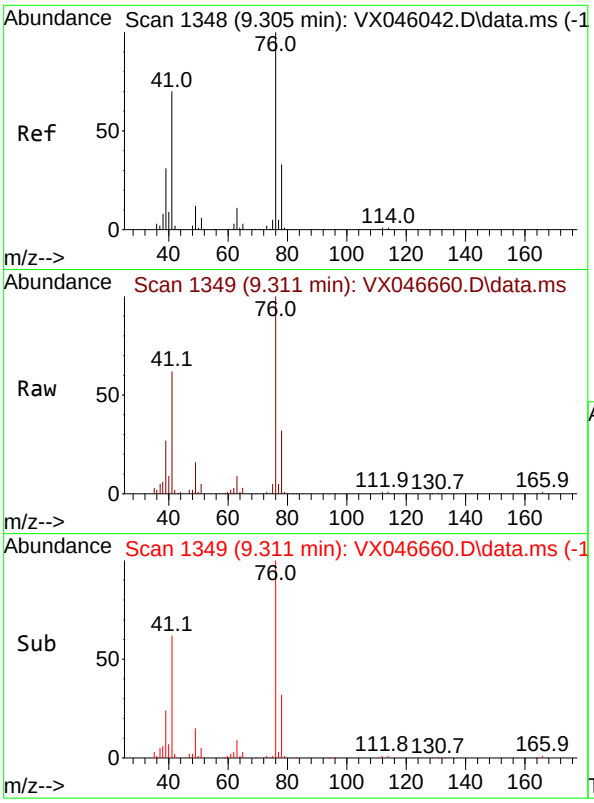


#56
Ethyl methacrylate
Concen: 19.903 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 69 Resp: 32307

Ion	Ratio	Lower	Upper
69	100		
41	70.7	60.8	91.2
39	42.0	39.0	58.6

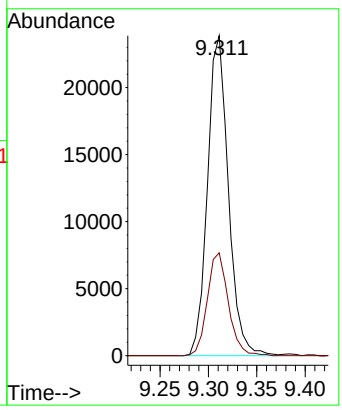




#57
1,3-Dichloropropane
Concen: 19.225 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 76 Resp: 3583

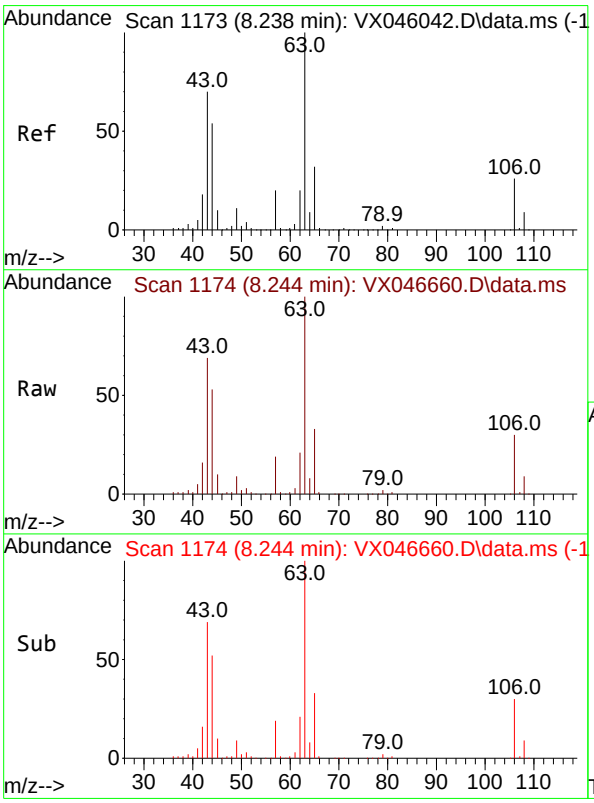
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

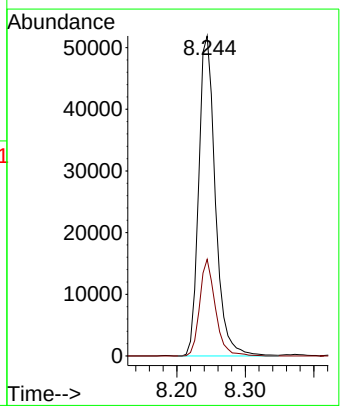
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

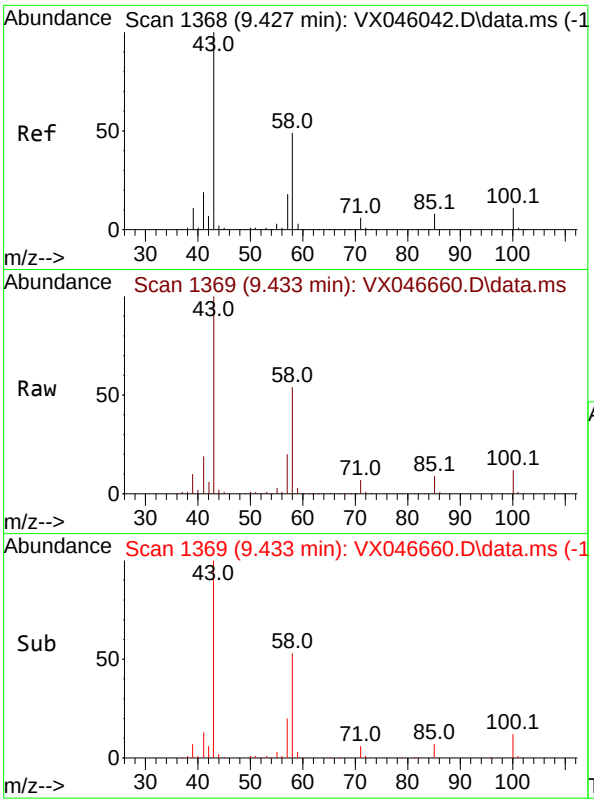


#58
2-Chloroethyl Vinyl ether
Concen: 99.160 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 63 Resp: 87671

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.5	32.3

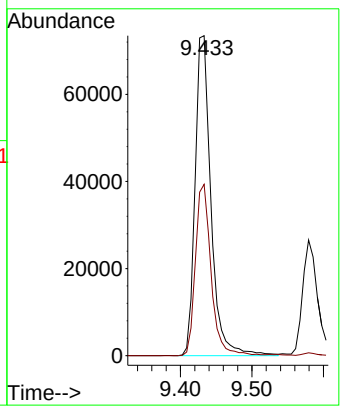




#59
2-Hexanone
Concen: 96.217 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 11334

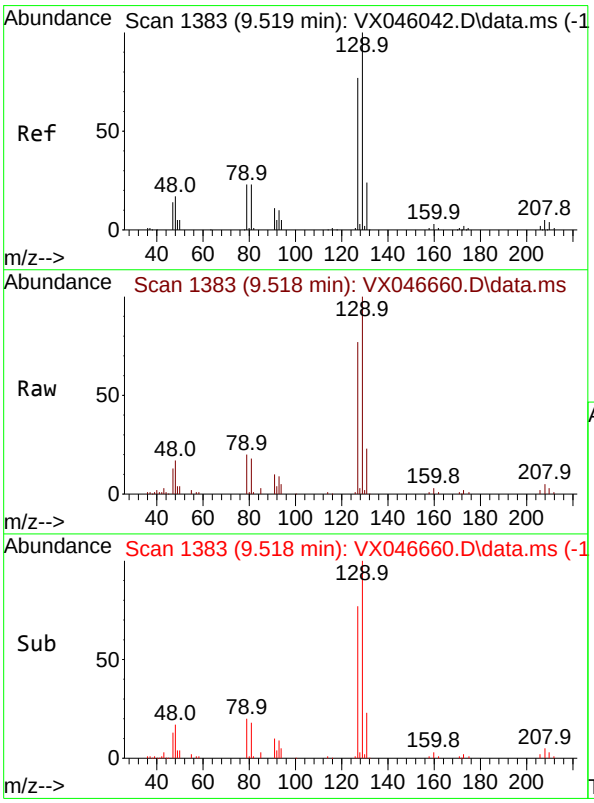
Ion	Ratio	Lower	Upper
43	100		
58	52.8	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

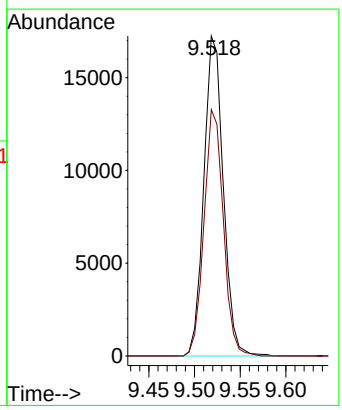
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

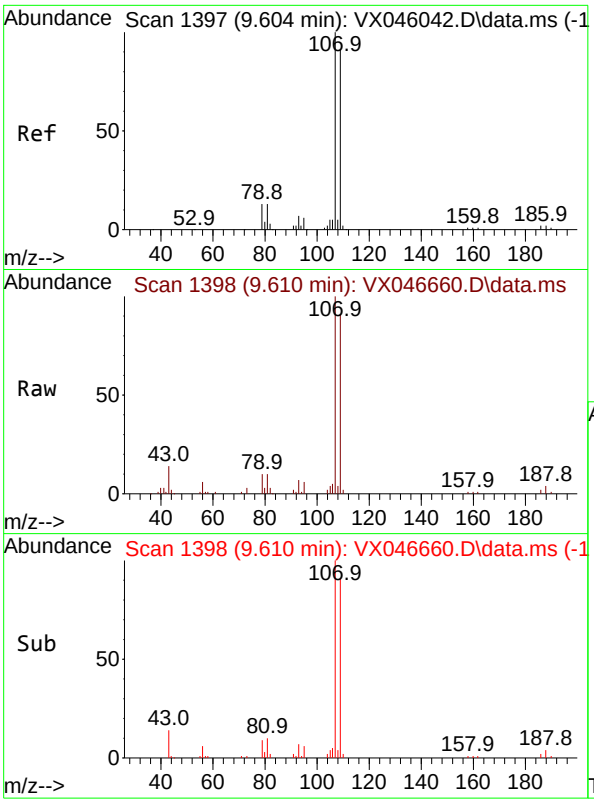


#60
Dibromochloromethane
Concen: 20.468 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:129 Resp: 25395

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.3	117.8

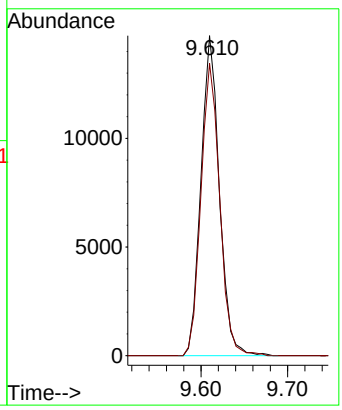




#61
1,2-Dibromoethane
Concen: 19.793 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:107 Resp: 2175

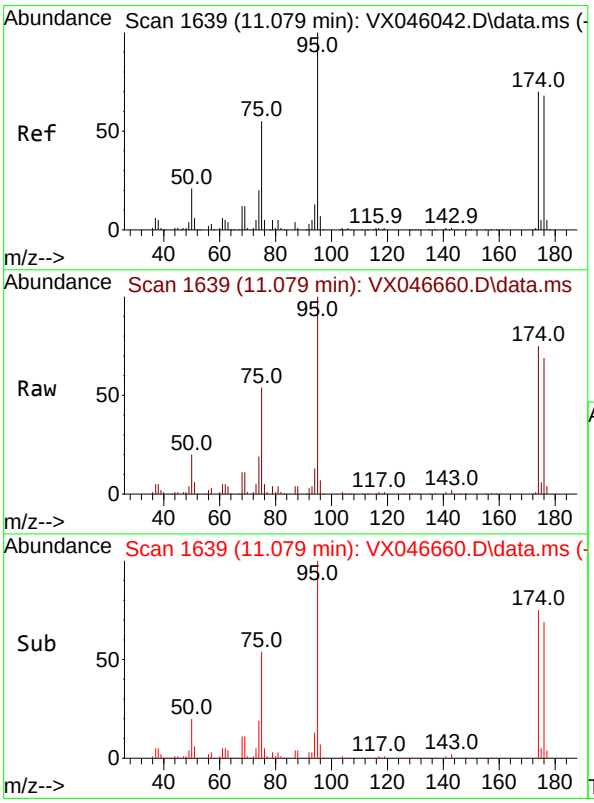
Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

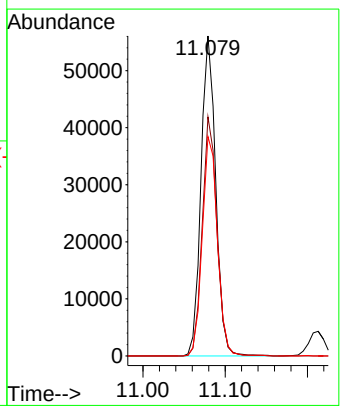
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

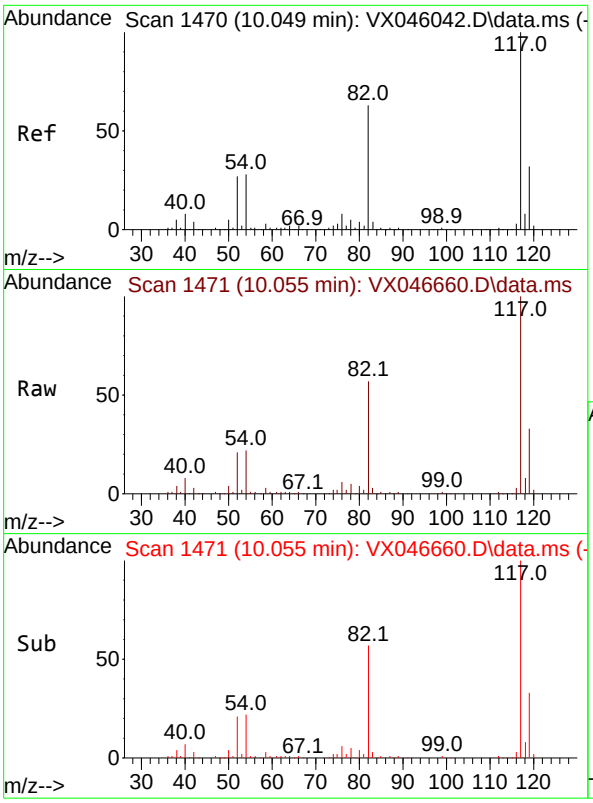


#62
4-Bromofluorobenzene
Concen: 48.084 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 95 Resp: 69758

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	135.8
176	70.7	0.0	131.4

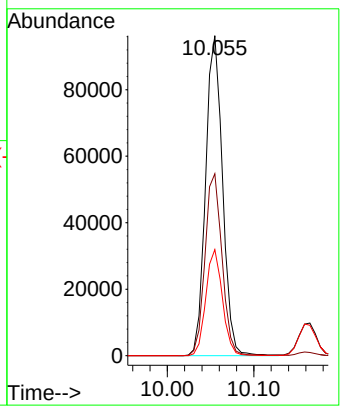




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:117 Resp: 13071

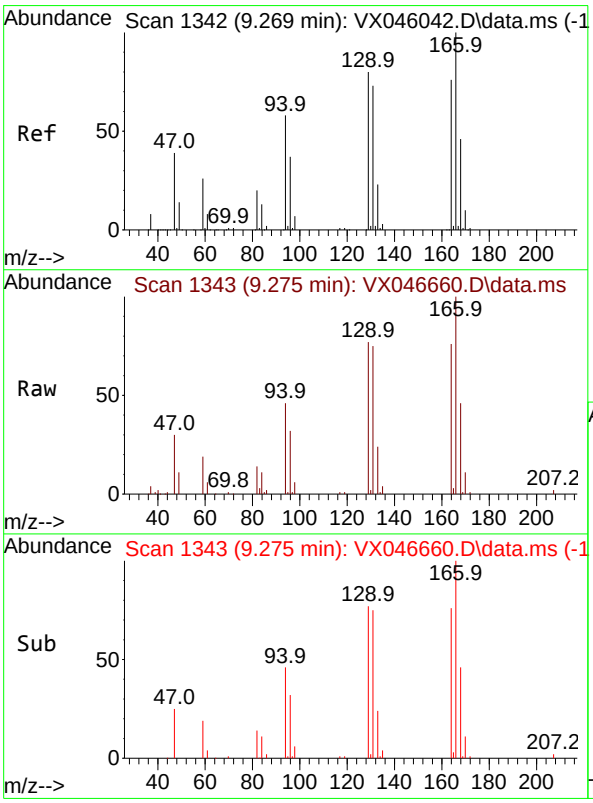
Ion	Ratio	Lower	Upper
117	100		
82	56.8	50.6	76.0
119	33.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

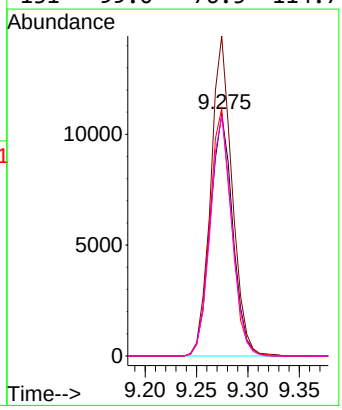
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

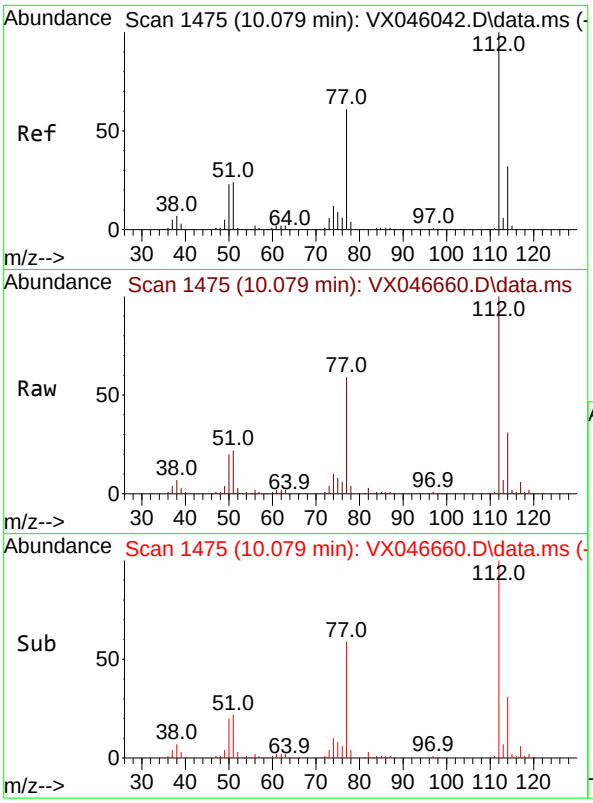


#64
Tetrachloroethene
Concen: 18.916 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:164 Resp: 16534

Ion	Ratio	Lower	Upper
164	100		
166	132.4	105.0	157.6
129	102.4	83.5	125.3
131	99.0	76.5	114.7

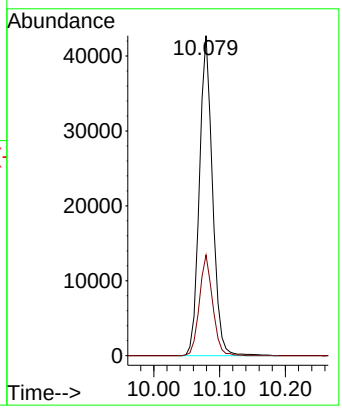




#65
Chlorobenzene
Concen: 19.277 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:112 Resp: 5926

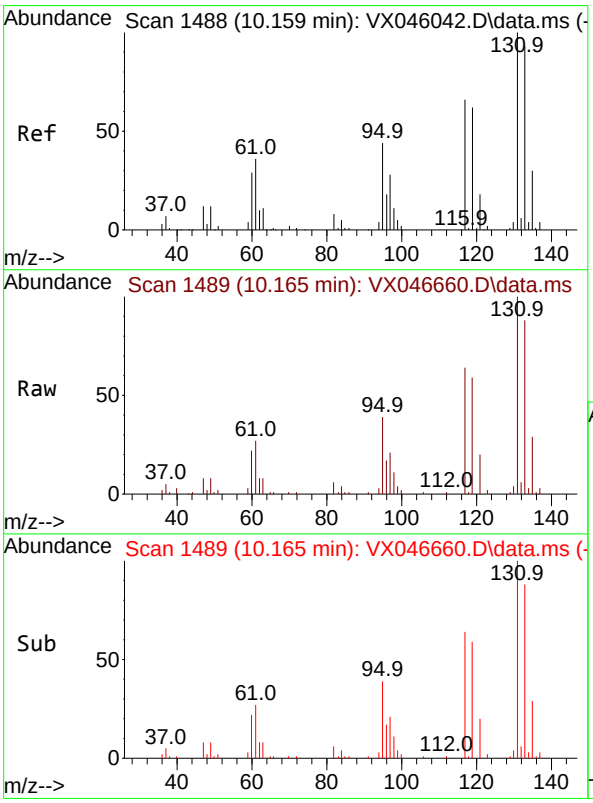
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

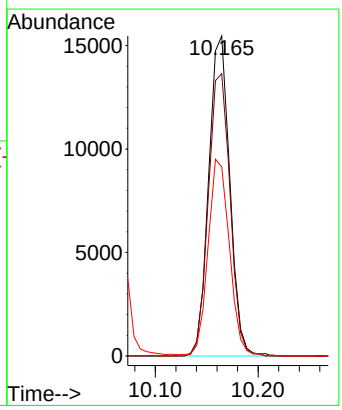
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

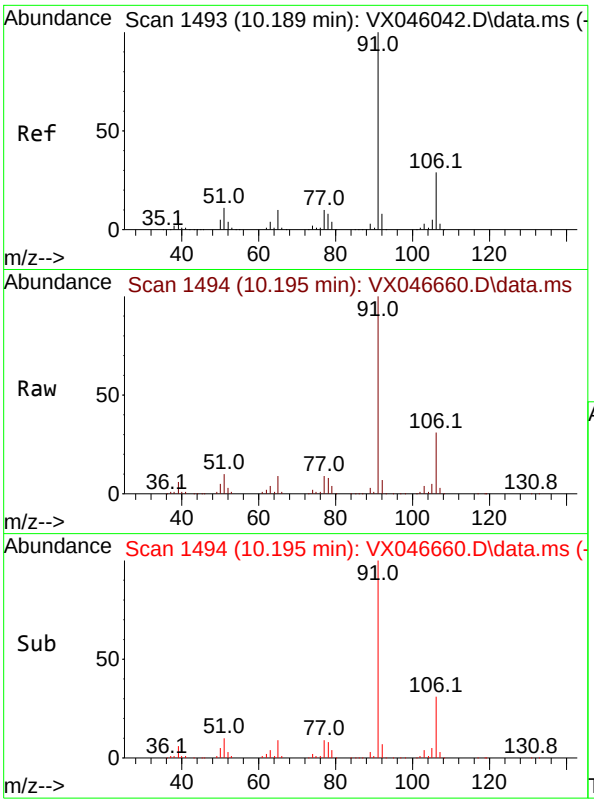


#66
1,1,1,2-Tetrachloroethane
Concen: 21.172 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:131 Resp: 21995

Ion	Ratio	Lower	Upper
131	100		
133	91.1	47.3	141.9
119	62.6	31.6	95.0

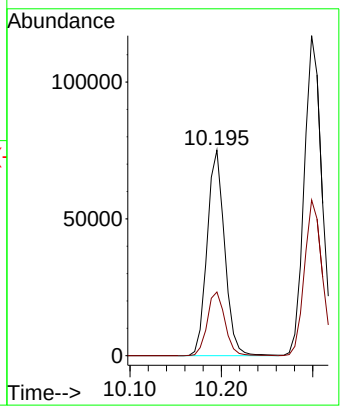




#67
Ethyl Benzene
Concen: 18.601 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 91 Resp: 9983

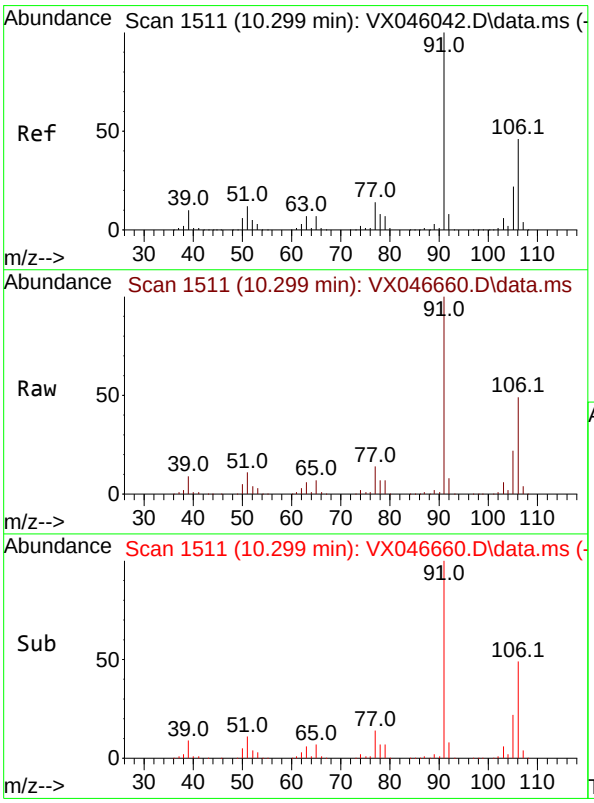
Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

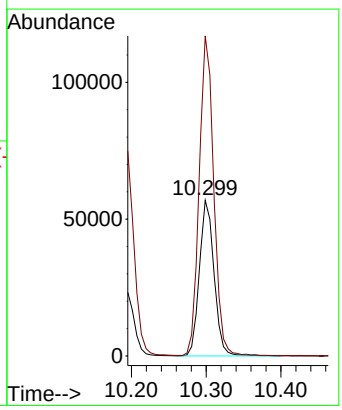
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

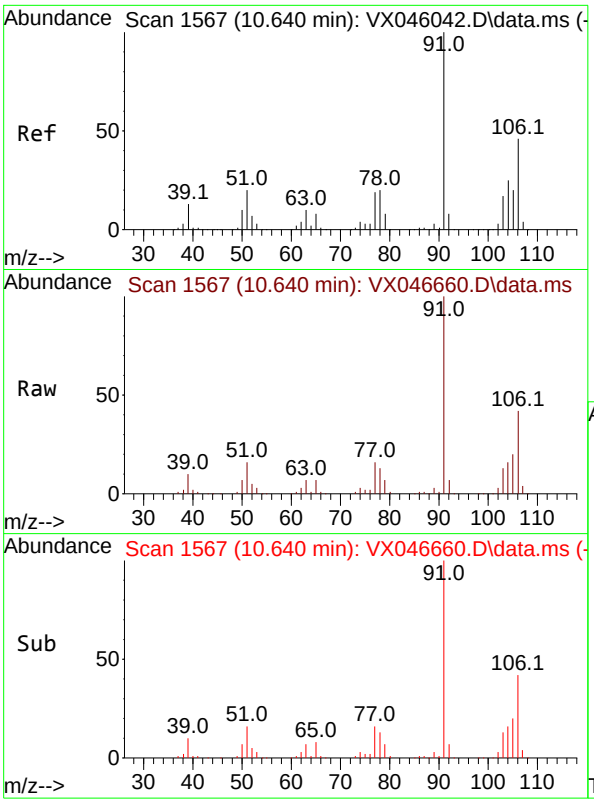


#68
m/p-Xylenes
Concen: 39.802 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:106 Resp: 77489

Ion	Ratio	Lower	Upper
106	100		
91	204.5	171.2	256.8

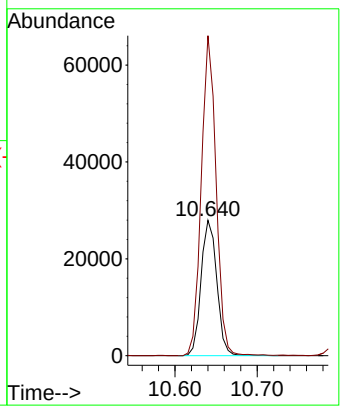




#69
o-Xylene
Concen: 19.709 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:106 Resp: 3711

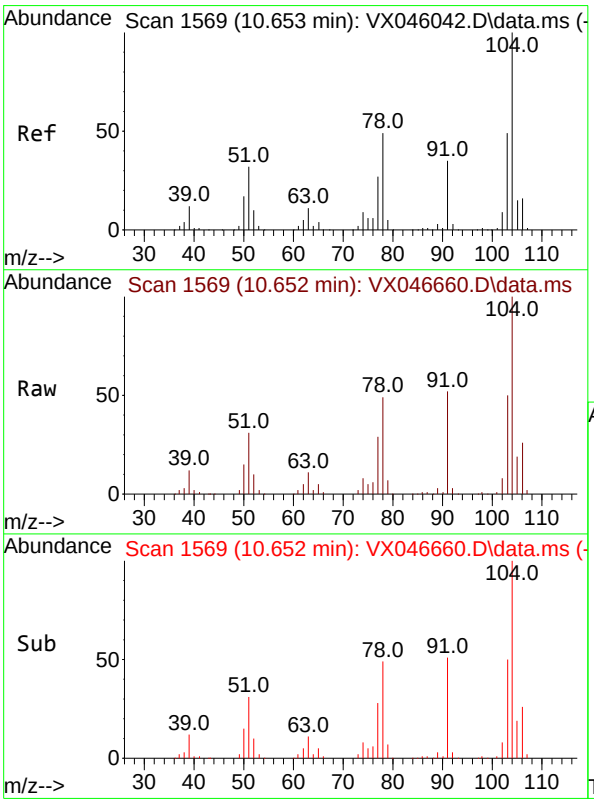
Ion	Ratio	Lower	Upper
106	100		
91	222.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

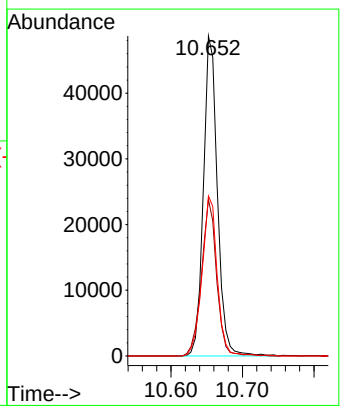
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

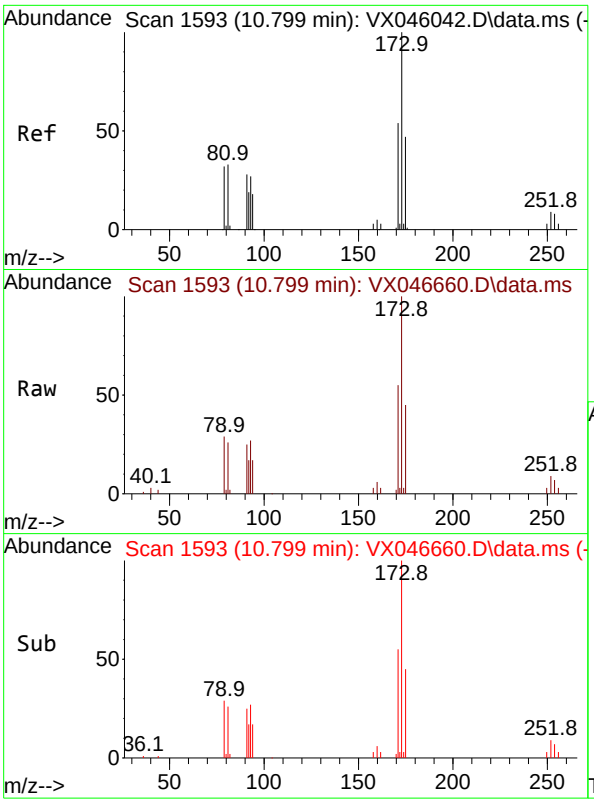


#70
Styrene
Concen: 20.601 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:104 Resp: 66406

Ion	Ratio	Lower	Upper
104	100		
78	52.6	45.7	68.5
103	53.9	43.7	65.5

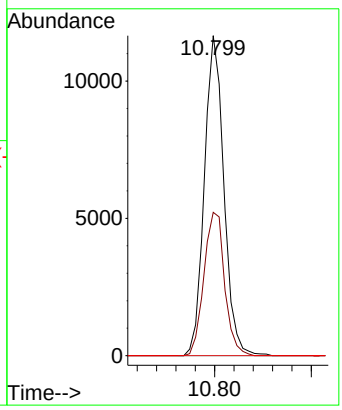




#71
Bromoform
Concen: 20.616 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:173 Resp: 1633

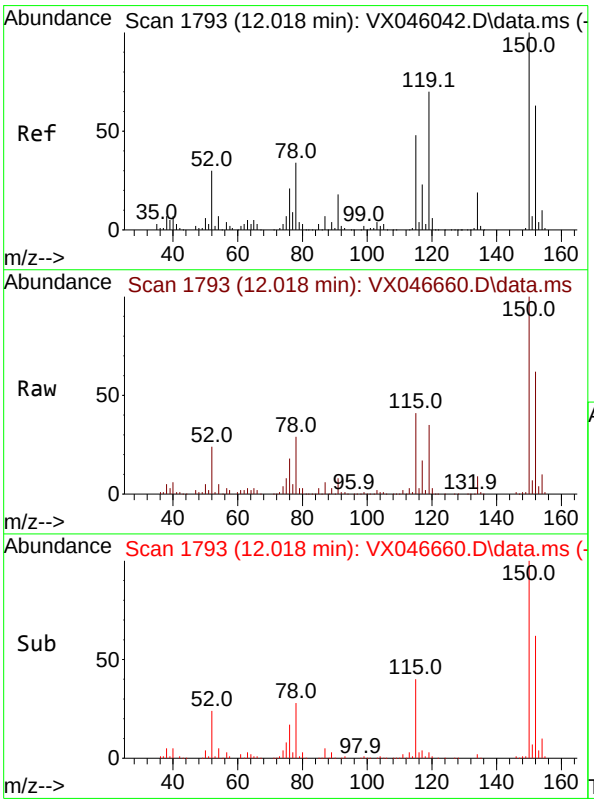
Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

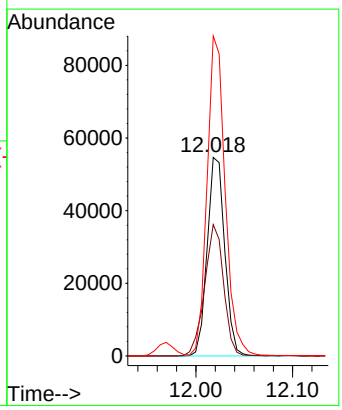
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

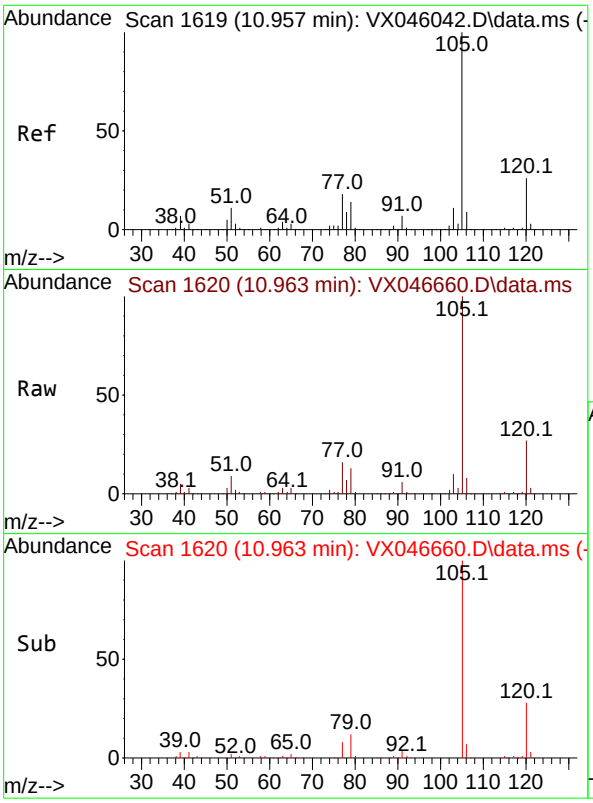


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:152 Resp: 69016

Ion	Ratio	Lower	Upper
152	100		
115	71.4	46.9	140.7
150	165.3	0.0	351.0

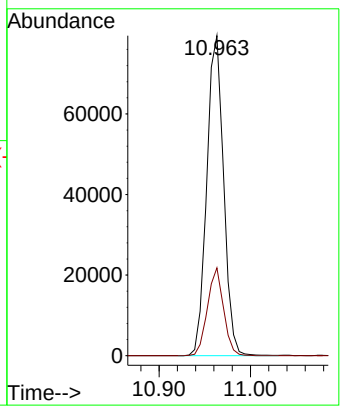




#73
Isopropylbenzene
Concen: 18.679 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:105 Resp: 10133

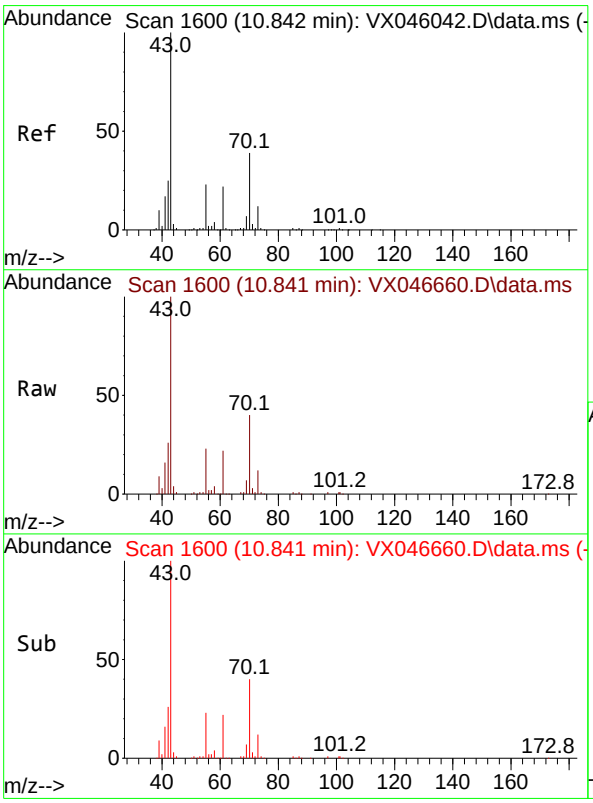
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

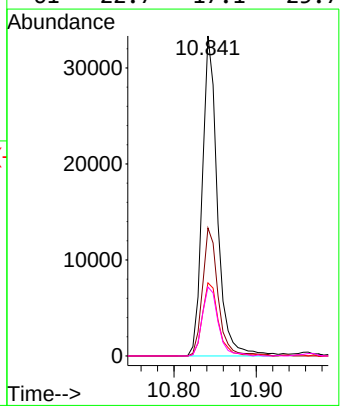
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

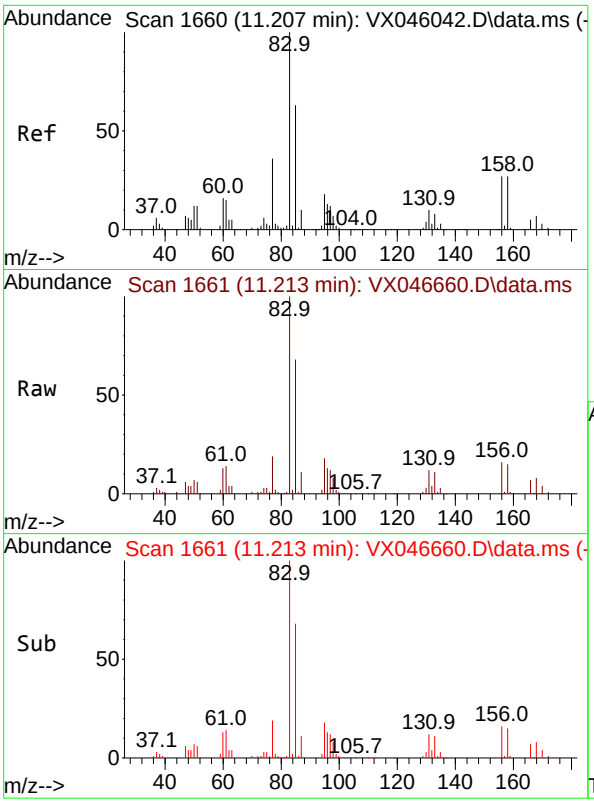


#74
N-amyl acetate
Concen: 17.811 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 42555

Ion	Ratio	Lower	Upper
43	100		
70	41.0	30.9	46.3
55	24.3	18.7	28.1
61	22.7	17.1	25.7

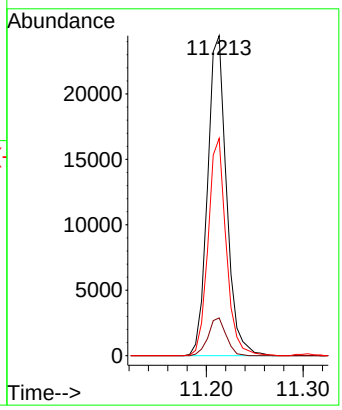




#75
1,1,2,2-Tetrachloroethane
Concen: 19.188 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 83 Resp: 3332

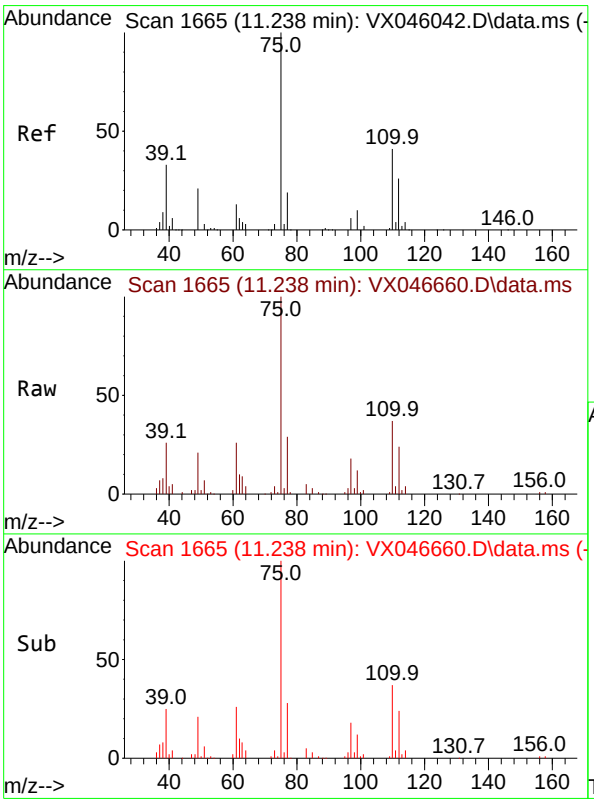
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.0	14.9
85	64.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

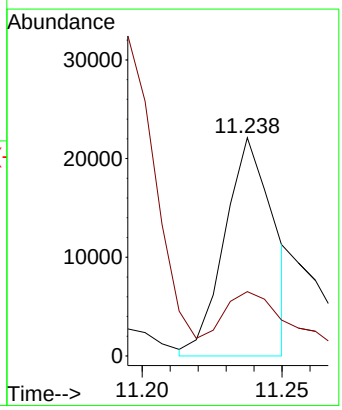
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

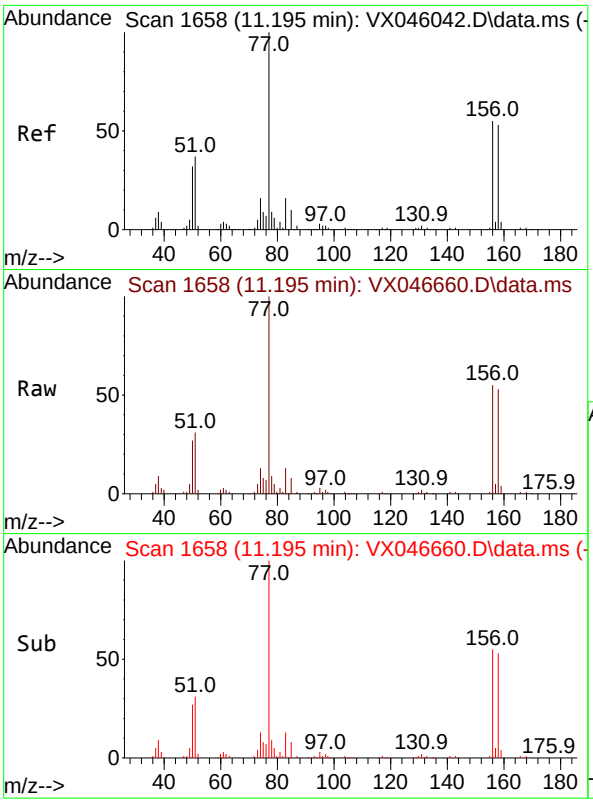


#76
1,2,3-Trichloropropane
Concen: 18.389 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 26882

Ion	Ratio	Lower	Upper
75	100		
77	42.8	20.5	61.5

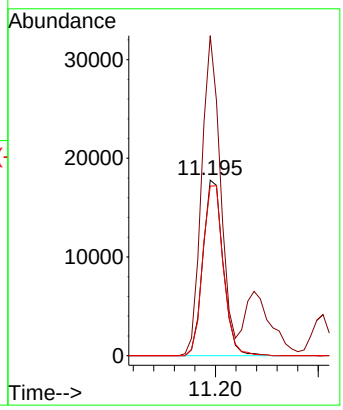




#77
Bromobenzene
Concen: 19.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:156 Resp: 2428

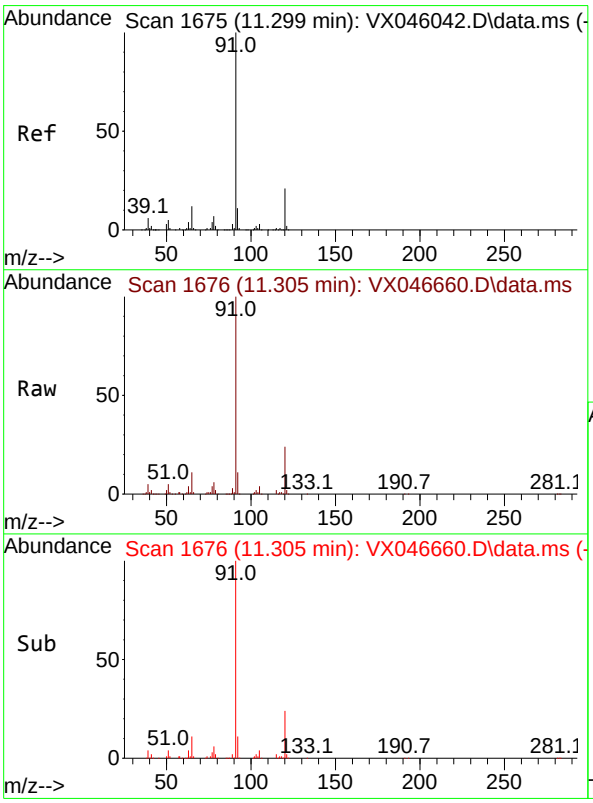
Ion	Ratio	Lower	Upper
156	100		
77	170.5	92.8	278.3
158	98.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

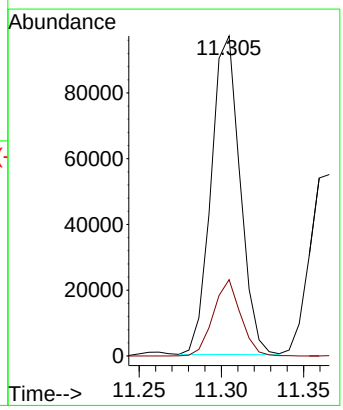
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

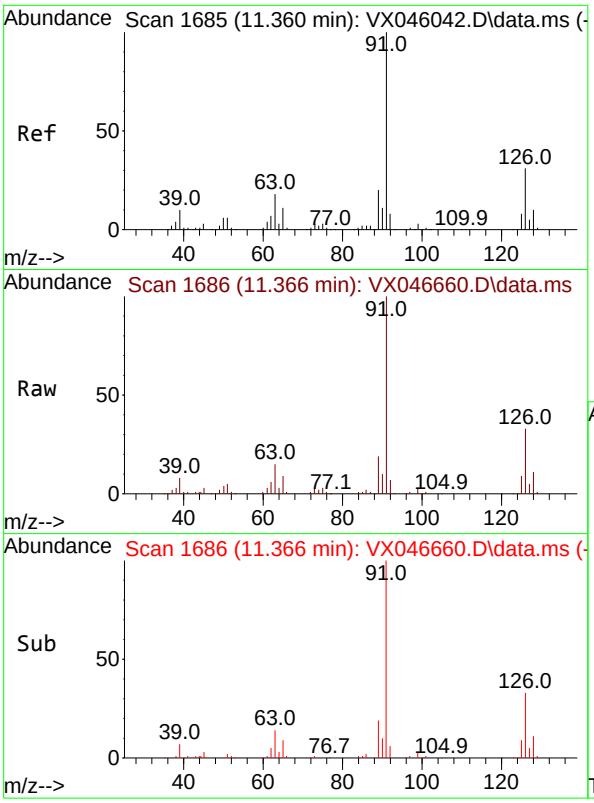


#78
n-propylbenzene
Concen: 18.075 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 91 Resp: 118689

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4

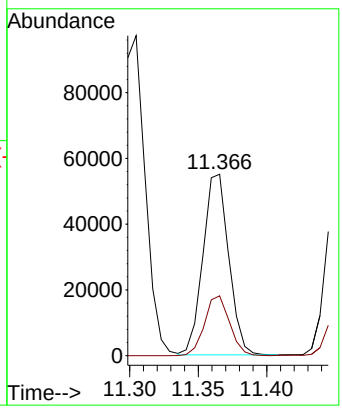




#79
2-Chlorotoluene
Concen: 18.214 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 91 Resp: 7212

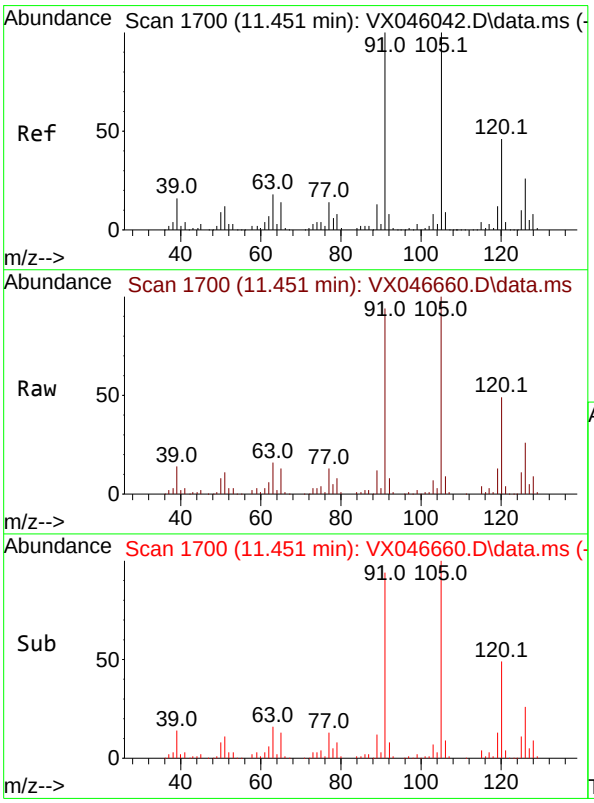
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

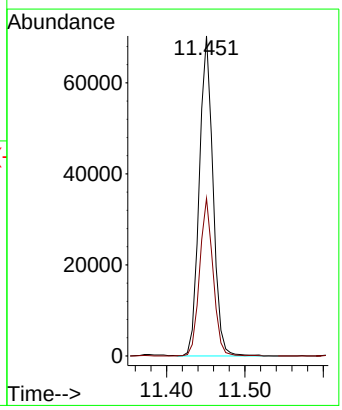
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

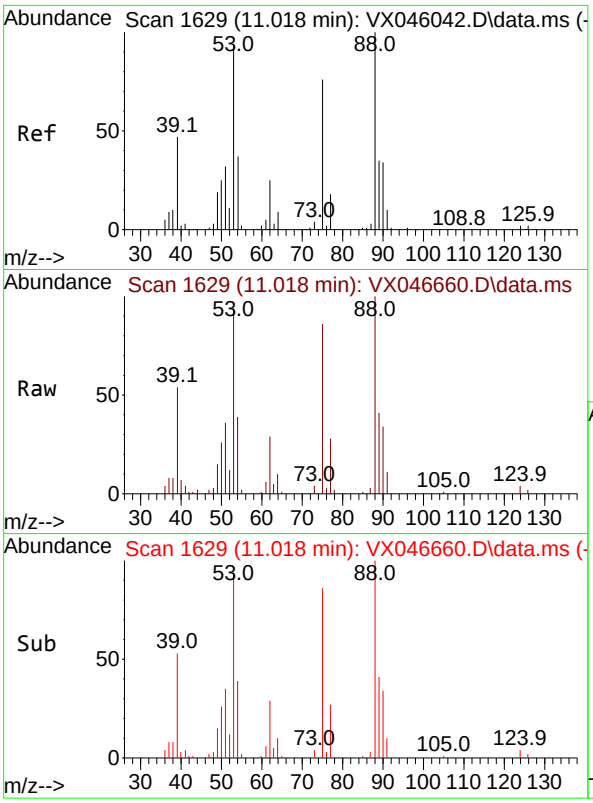


#80
1,3,5-Trimethylbenzene
Concen: 18.909 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:105 Resp: 85488

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.170 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

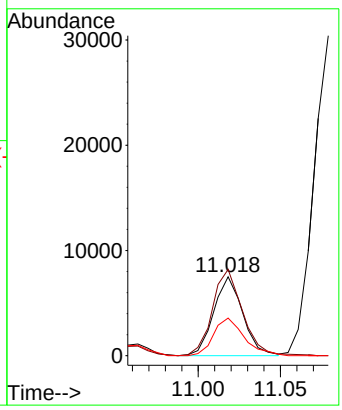
Tgt Ion: 75 Resp: 920

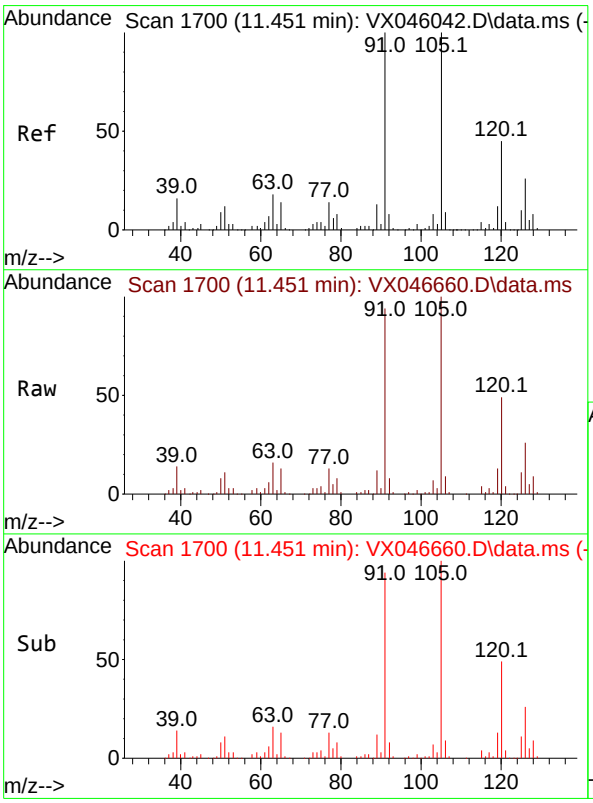
Ion	Ratio	Lower	Upper
75	100		
53	113.5	100.5	150.7
89	50.2	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

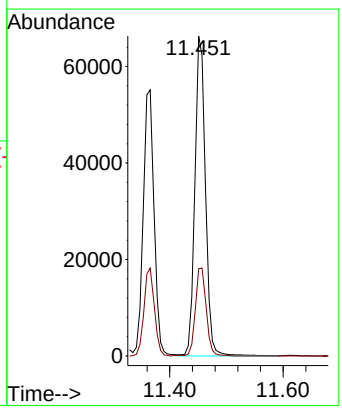


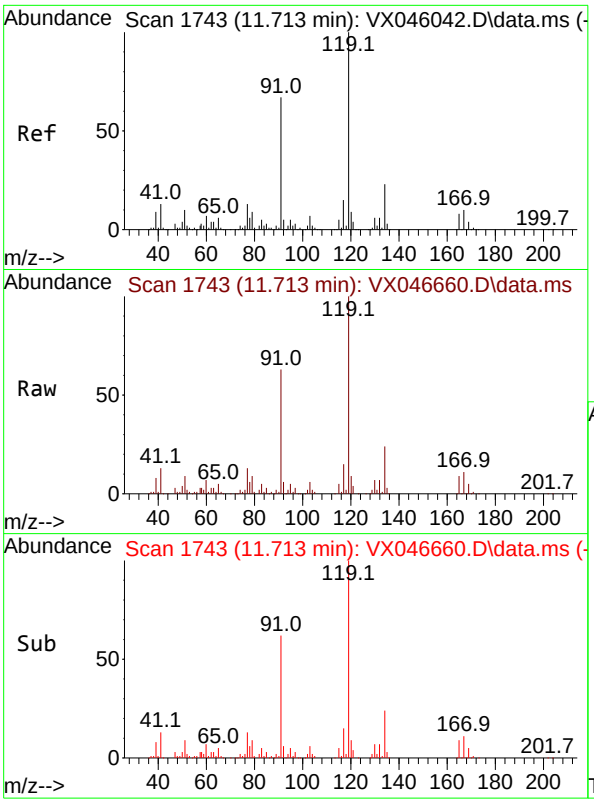


#82
4-Chlorotoluene
Concen: 18.344 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 91 Resp: 86099

Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.3	39.8

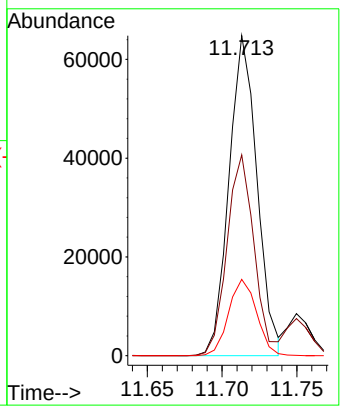




#83
tert-Butylbenzene
Concen: 18.363 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:119 Resp: 8451

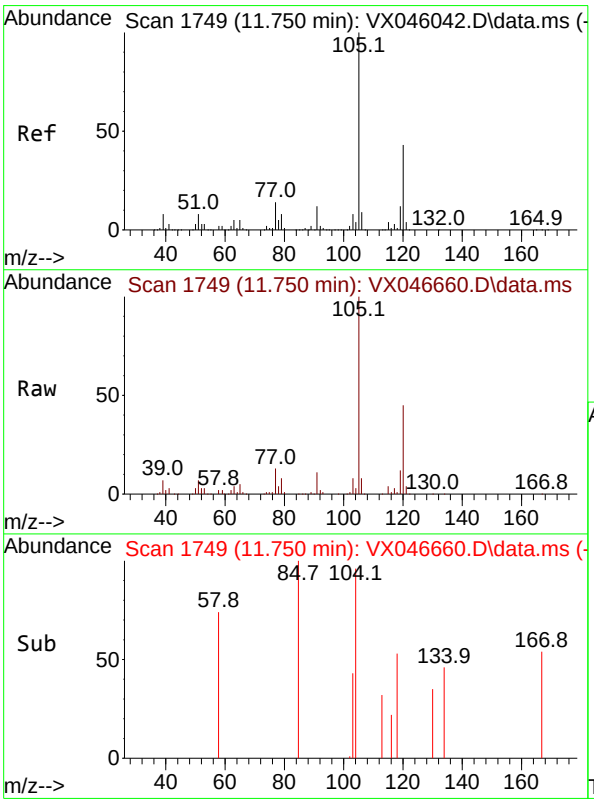
Ion	Ratio	Lower	Upper
119	100		
91	60.9	32.9	98.7
134	23.9	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

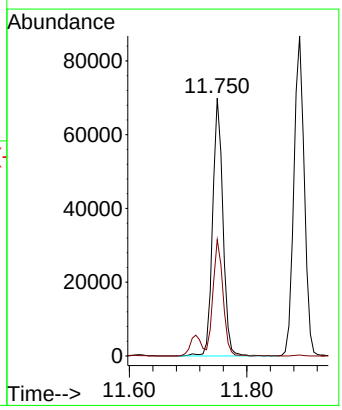
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

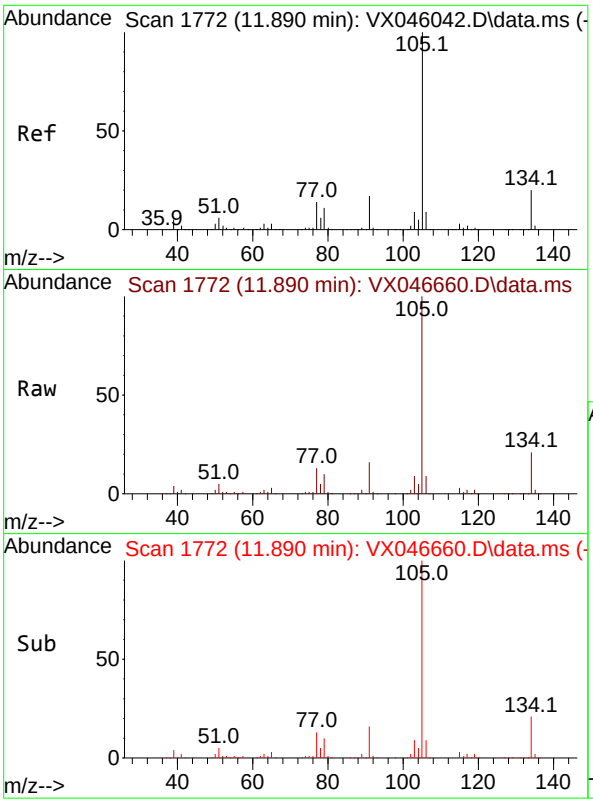


#84
1,2,4-Trimethylbenzene
Concen: 18.609 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:105 Resp: 85107

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.2	63.6

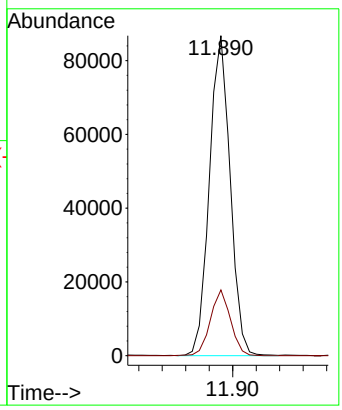




#85
sec-Butylbenzene
Concen: 18.059 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:105 Resp: 10679

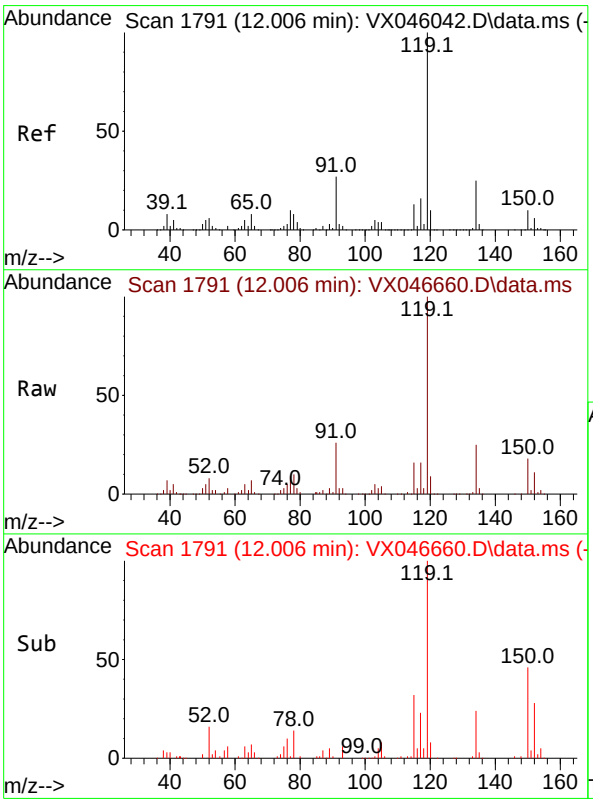
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

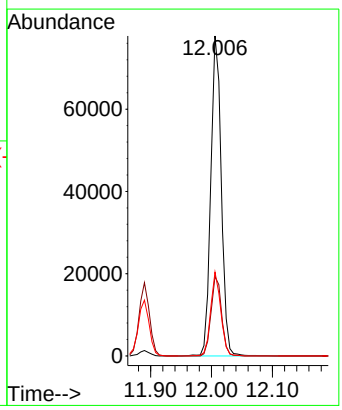
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

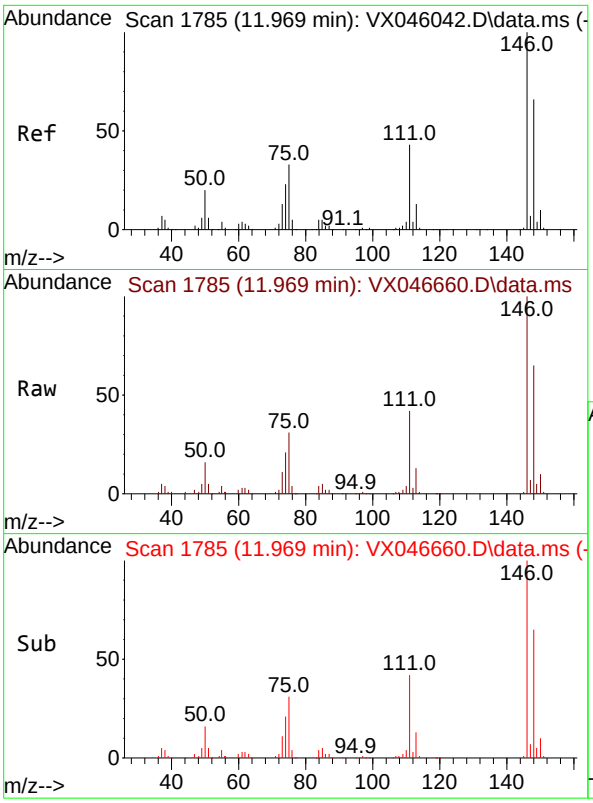


#86
p-Isopropyltoluene
Concen: 18.850 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:119 Resp: 92930

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.5	37.5
91	25.3	13.8	41.4

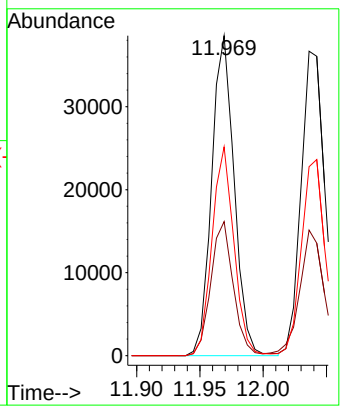




#87
1,3-Dichlorobenzene
Concen: 19.491 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:146 Resp: 4766

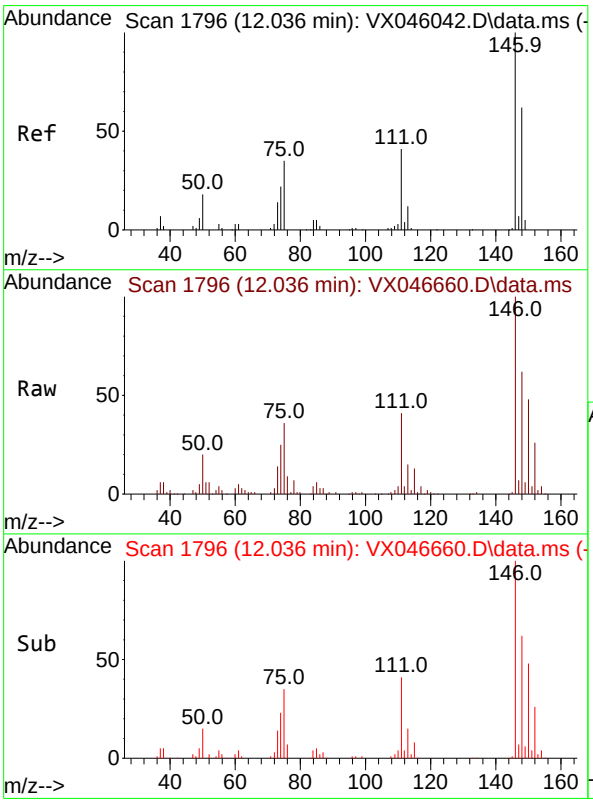
Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.1	66.3
148	63.6	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

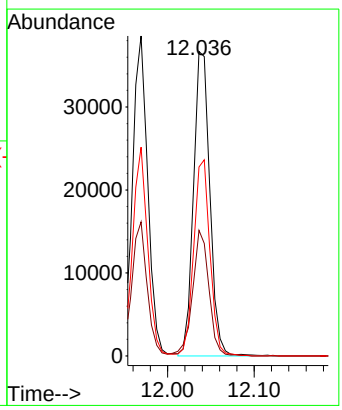
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

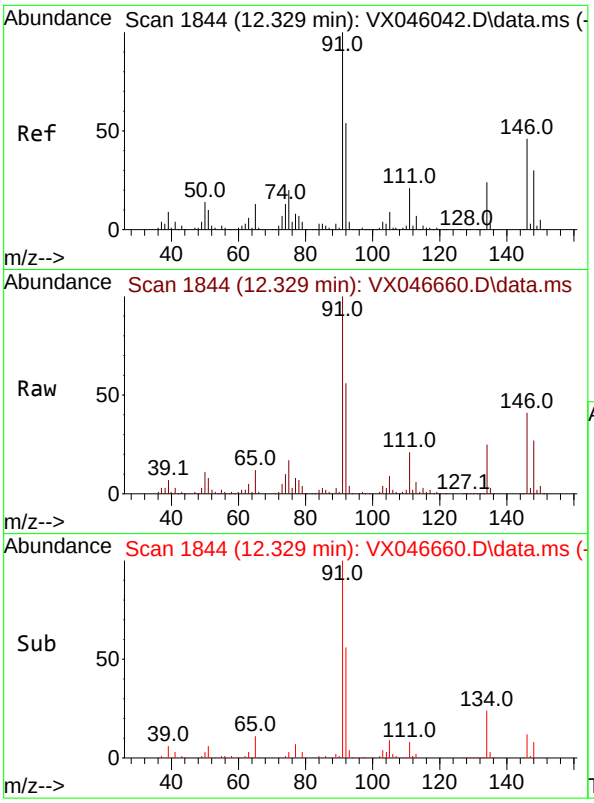


#88
1,4-Dichlorobenzene
Concen: 18.991 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:146 Resp: 48120

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.9
148	64.3	31.9	95.5

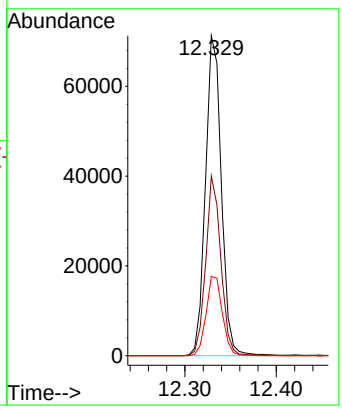




#89
n-Butylbenzene
Concen: 17.705 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 91 Resp: 8571

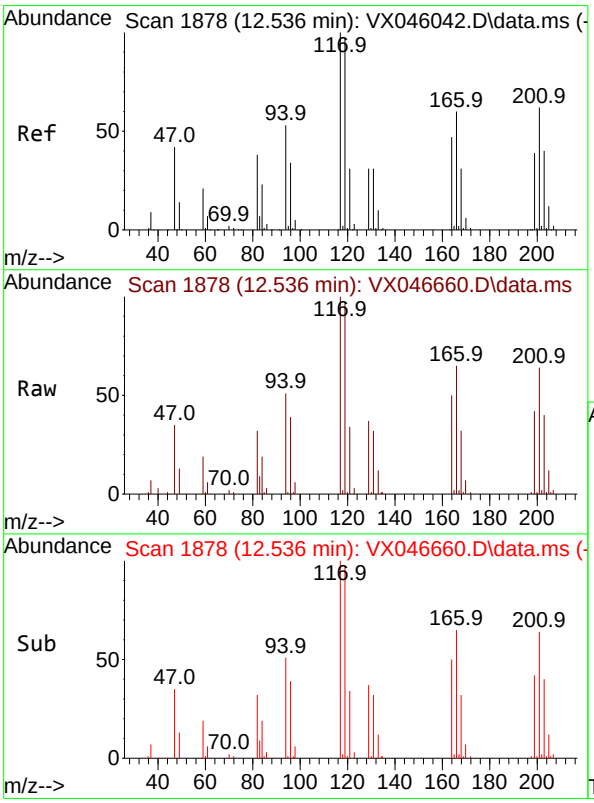
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	25.4	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

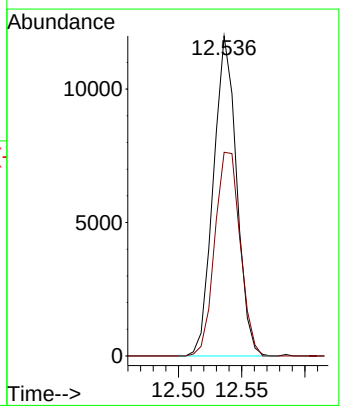
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

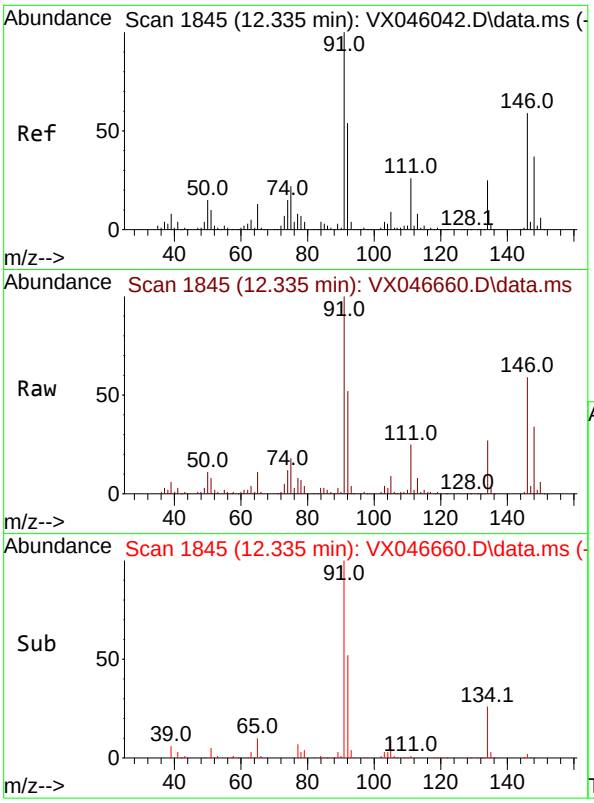


#90
Hexachloroethane
Concen: 17.437 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:117 Resp: 15279

Ion	Ratio	Lower	Upper
117	100		
201	69.7	31.6	94.7

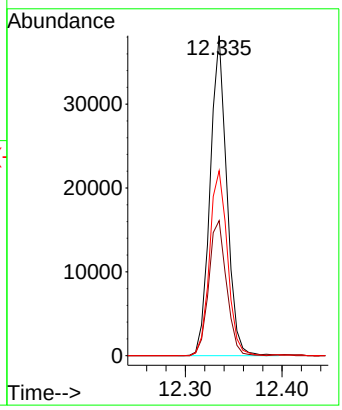




#91
1,2-Dichlorobenzene
Concen: 19.352 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:146 Resp: 4567

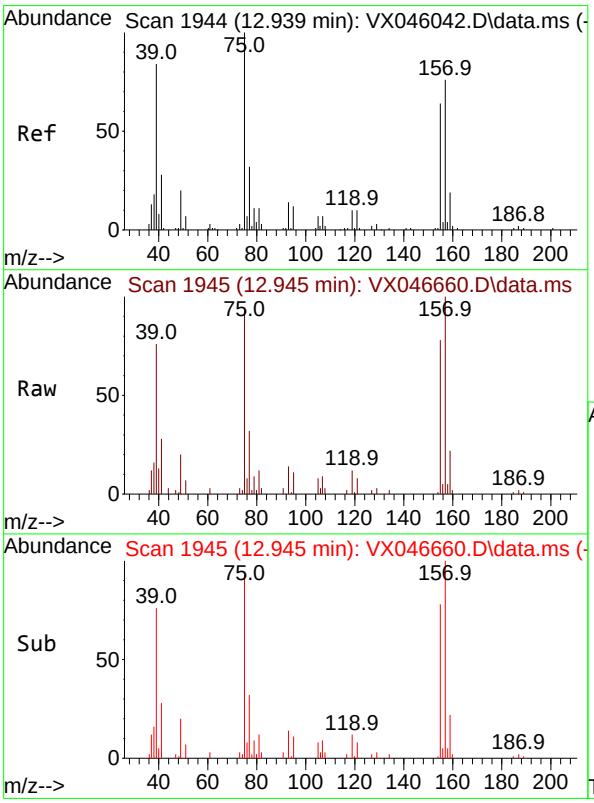
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.3
148	62.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

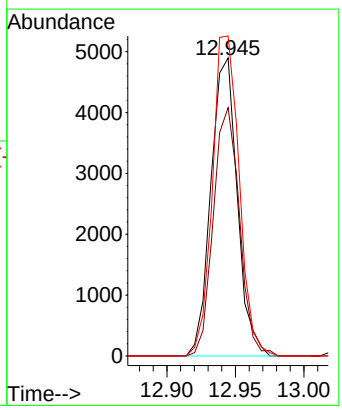
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

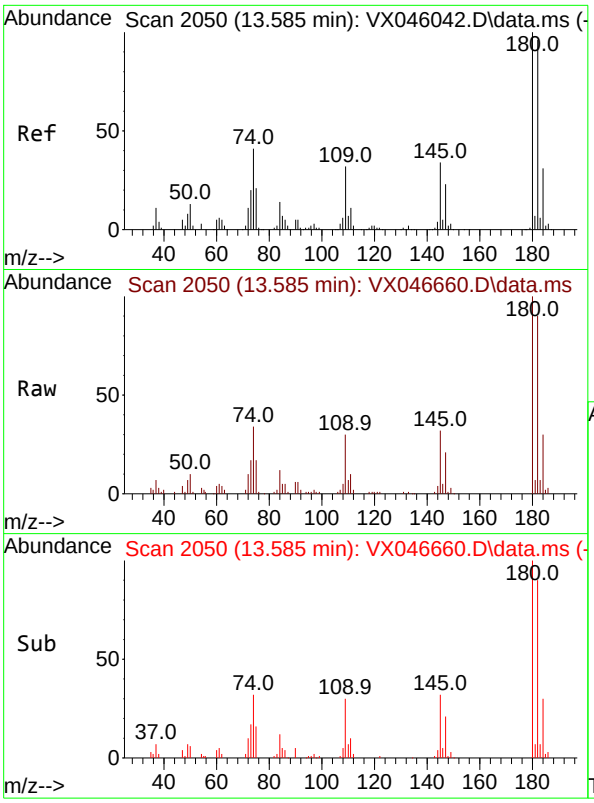


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.820 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 6541

Ion	Ratio	Lower	Upper
75	100		
155	82.4	34.9	104.8
157	109.1	43.8	131.4

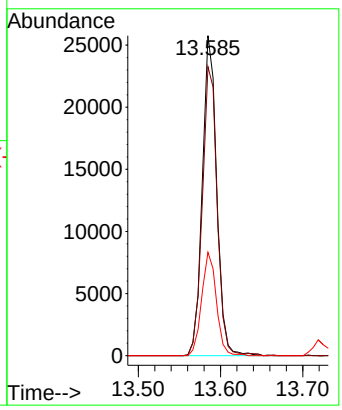




#93
1,2,4-Trichlorobenzene
Concen: 19.444 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:180 Resp: 3130

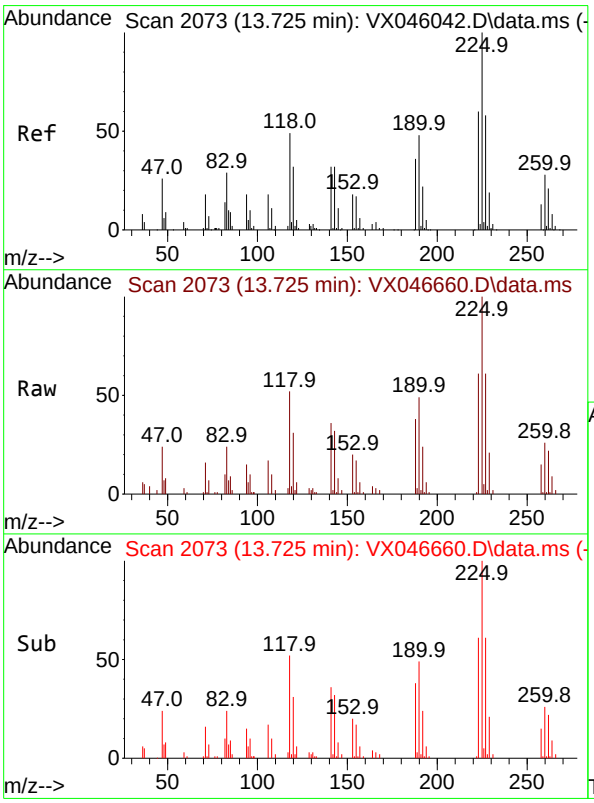
Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.8
145	33.0	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

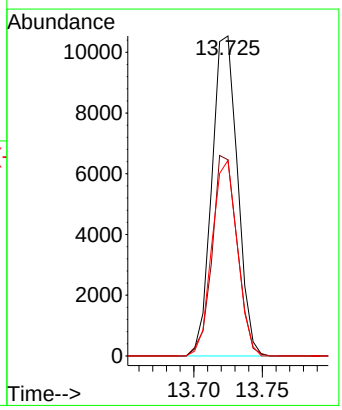
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

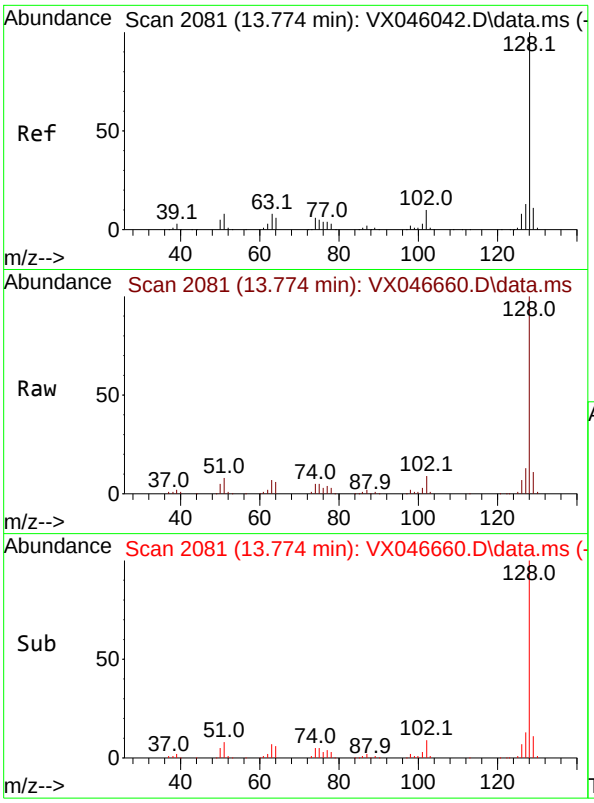


#94
Hexachlorobutadiene
Concen: 18.328 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:225 Resp: 13715

Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.8	92.4
227	60.4	30.9	92.7

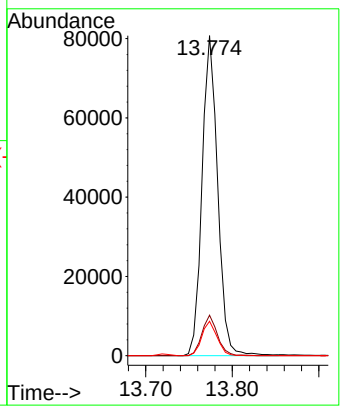




#95
Naphthalene
Concen: 19.787 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:128 Resp: 10103

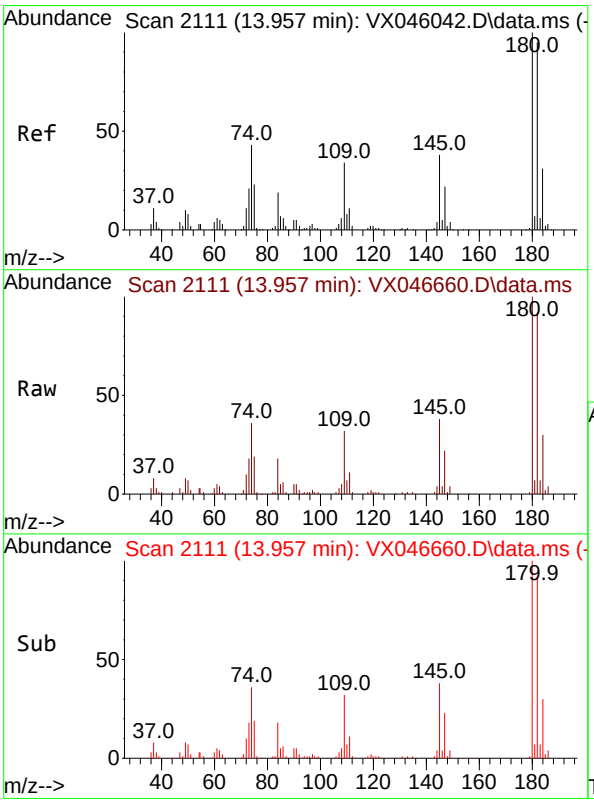
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.5	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

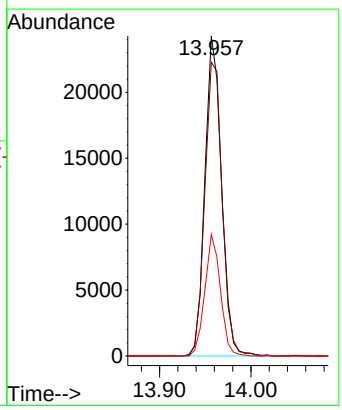
Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046660.D
Acq: 12 Jun 2025 13:38

Tgt Ion:180 Resp: 30574

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	35.7	18.1	54.3



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:	VX0611WBSD02	SDG No.:	Q2249
Lab Sample ID:	VX0611WBSD02	Matrix:	Water
Analytical Method:	8260D	% 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
VX046640.D	1		06/11/25 16:25	VX061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.8		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		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	19.0		0.20	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.8		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		70 (74) - 130 (125)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	75800	5.556			
540-36-3	1,4-Difluorobenzene	131000	6.763			
3114-55-4	Chlorobenzene-d5	120000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	62800	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\VX061125\
Data File : VX046640.D
Acq On : 11 Jun 2025 16:25
Operator : JC/MD
Sample : VX0611WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 02:31:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	75823	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	130739	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	119823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59955	44.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.900%			
35) Dibromofluoromethane	5.397	113	45537	47.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.720%			
50) Toluene-d8	8.647	98	147531	46.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.080%			
62) 4-Bromofluorobenzene	11.079	95	63899	48.723	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	16873	16.029	ug/l	99
3) Chloromethane	1.307	50	14814	15.461	ug/l	99
4) Vinyl Chloride	1.386	62	15136	15.847	ug/l	98
5) Bromomethane	1.624	94	8228	14.190	ug/l	100
6) Chloroethane	1.703	64	12370m	19.961	ug/l	
7) Trichlorofluoromethane	1.904	101	27811	17.598	ug/l	96
8) Diethyl Ether	2.148	74	10229	18.320	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.343	101	18281	18.361	ug/l	95
10) Methyl Iodide	2.465	142	17397	16.119	ug/l	93
11) Tert butyl alcohol	2.959	59	13739	91.786	ug/l	100
12) 1,1-Dichloroethene	2.337	96	16458	18.283	ug/l	91
13) Acrolein	2.245	56	15730	106.466	ug/l	99
14) Allyl chloride	2.678	41	32893	18.605	ug/l	92
15) Acrylonitrile	3.075	53	58815	103.922	ug/l	98
16) Acetone	2.392	43	49904	97.070	ug/l	97
17) Carbon Disulfide	2.526	76	31958	16.854	ug/l	99
18) Methyl Acetate	2.715	43	34714	21.604	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	65221	20.706	ug/l	99
20) Methylene Chloride	2.800	84	20501	18.943	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	17046	17.893	ug/l	97
22) Diisopropyl ether	3.770	45	70704	20.285	ug/l #	69
23) Vinyl Acetate	3.733	43	269237	100.048	ug/l	99
24) 1,1-Dichloroethane	3.623	63	37219	19.159	ug/l	98
25) 2-Butanone	4.568	43	75130	100.047	ug/l	97
26) 2,2-Dichloropropane	4.489	77	26460	18.348	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	22490	19.177	ug/l	94
28) Bromochloromethane	4.910	49	19065	20.576	ug/l	96
29) Tetrahydrofuran	5.019	42	46998	99.100	ug/l	99
30) Chloroform	5.105	83	40886	20.087	ug/l	98
31) Cyclohexane	5.483	56	29800	19.002	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	33124	19.024	ug/l	98
36) 1,1-Dichloropropene	5.708	75	23625	17.202	ug/l	97
37) Ethyl Acetate	4.727	43	28624	21.355	ug/l	99
38) Carbon Tetrachloride	5.684	117	28654	18.628	ug/l	95
39) Methylcyclohexane	7.385	83	28712	17.712	ug/l	95
40) Benzene	6.044	78	75303	19.477	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046640.D
Acq On : 11 Jun 2025 16:25
Operator : JC/MD
Sample : VX0611WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 02:31:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	16302	19.585	ug/l		92
42) 1,2-Dichloroethane	6.098	62	31765	19.749	ug/l		97
43) Isopropyl Acetate	6.348	43	47778	20.446	ug/l		100
44) Trichloroethene	7.135	130	18458	18.790	ug/l		96
45) 1,2-Dichloropropane	7.434	63	20105	20.146	ug/l		97
46) Dibromomethane	7.586	93	15221	20.275	ug/l		97
47) Bromodichloromethane	7.824	83	31945	20.694	ug/l	#	96
48) Methyl methacrylate	7.696	41	24465	20.349	ug/l		95
49) 1,4-Dioxane	7.665	88	6511	404.966	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	159397	107.344	ug/l		99
52) Toluene	8.720	92	48054	20.231	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	27824	20.103	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	30720	19.963	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	20744	21.755	ug/l		98
56) Ethyl methacrylate	9.116	69	30259	20.621	ug/l		96
57) 1,3-Dichloropropane	9.311	76	35747	21.214	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	87410	109.363	ug/l		99
59) 2-Hexanone	9.433	43	115051	108.033	ug/l		99
60) Dibromochloromethane	9.518	129	23909	21.317	ug/l		99
61) 1,2-Dibromoethane	9.610	107	20915	21.049	ug/l		97
64) Tetrachloroethene	9.275	164	14417	17.993	ug/l		95
65) Chlorobenzene	10.079	112	54850	19.463	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19685	20.671	ug/l		99
67) Ethyl Benzene	10.195	91	94773	19.264	ug/l		100
68) m/p-Xylenes	10.299	106	69436	38.908	ug/l		100
69) o-Xylene	10.640	106	34773	20.145	ug/l		96
70) Styrene	10.652	104	60329	20.417	ug/l		98
71) Bromoform	10.799	173	15433	21.255	ug/l	#	97
73) Isopropylbenzene	10.963	105	93656	18.967	ug/l		99
74) N-amyl acetate	10.841	43	41695	19.174	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	32424	20.514	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	26792m	20.136	ug/l		
77) Bromobenzene	11.195	156	22356	19.505	ug/l		96
78) n-propylbenzene	11.305	91	111616	18.675	ug/l		100
79) 2-Chlorotoluene	11.360	91	68566	19.024	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	77599	18.858	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8404	18.220	ug/l		98
82) 4-Chlorotoluene	11.451	91	81676	19.119	ug/l		99
83) tert-Butylbenzene	11.713	119	80867	19.305	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	79569	19.115	ug/l		100
85) sec-Butylbenzene	11.890	105	103489	19.228	ug/l		99
86) p-Isopropyltoluene	12.006	119	85447	19.043	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	43541	19.563	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	43971	19.066	ug/l		99
89) n-Butylbenzene	12.329	91	82075	18.626	ug/l		99
90) Hexachloroethane	12.536	117	14235	17.849	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	42476	19.771	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6814	19.252	ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	27331	18.649	ug/l		99
94) Hexachlorobutadiene	13.725	225	11785	17.304	ug/l		98
95) Naphthalene	13.774	128	93298	20.075	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	27401	18.646	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046640.D
Acq On : 11 Jun 2025 16:25
Operator : JC/MD
Sample : VX0611WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 12 02:31:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

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

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

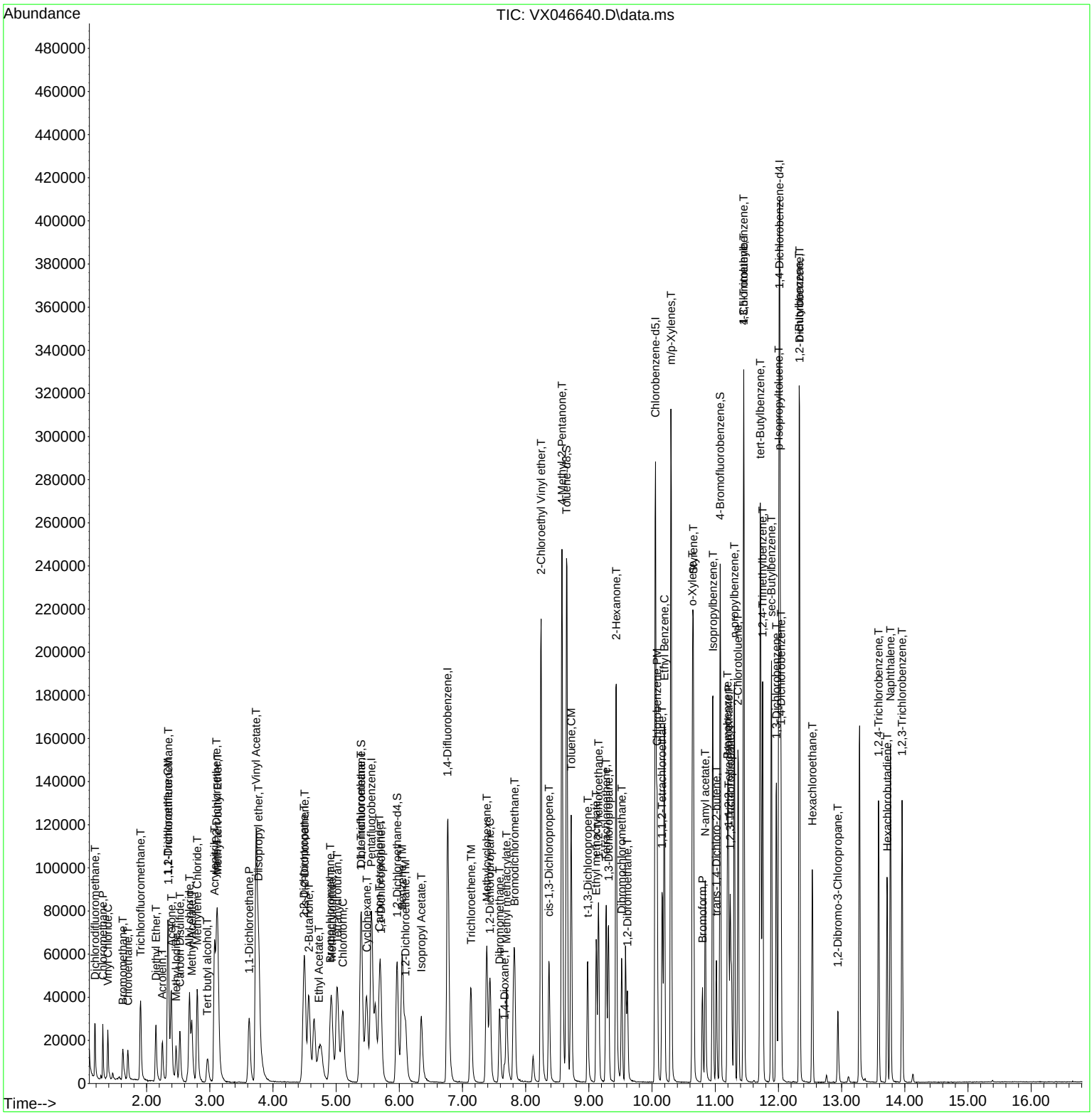
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Data File : VX046640.D
Acq On : 11 Jun 2025 16:25
Operator : JC/MD
Sample : VX0611WBSD02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

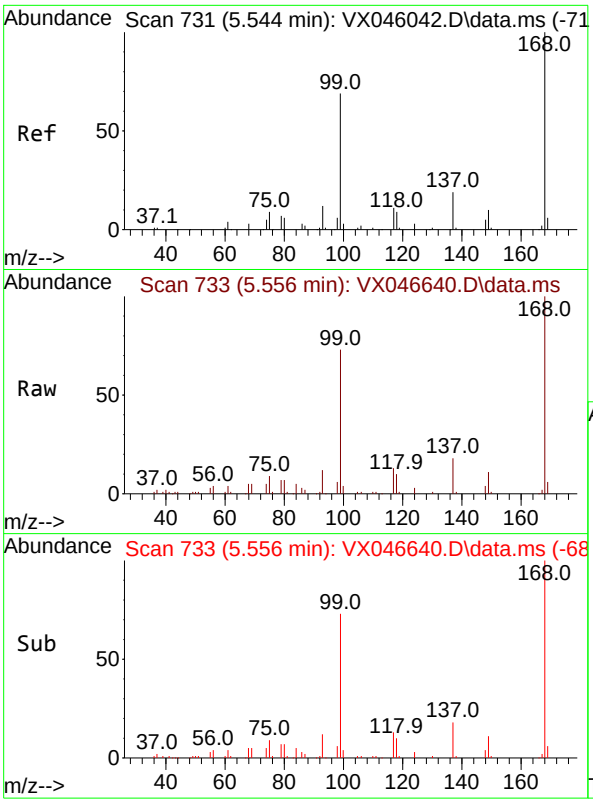
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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
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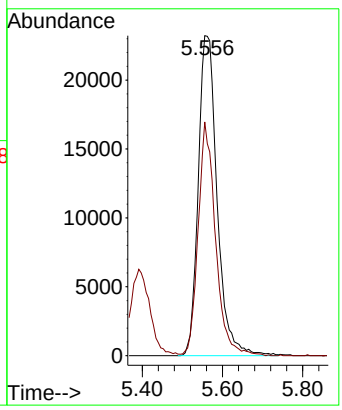




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:168 Resp: 7582

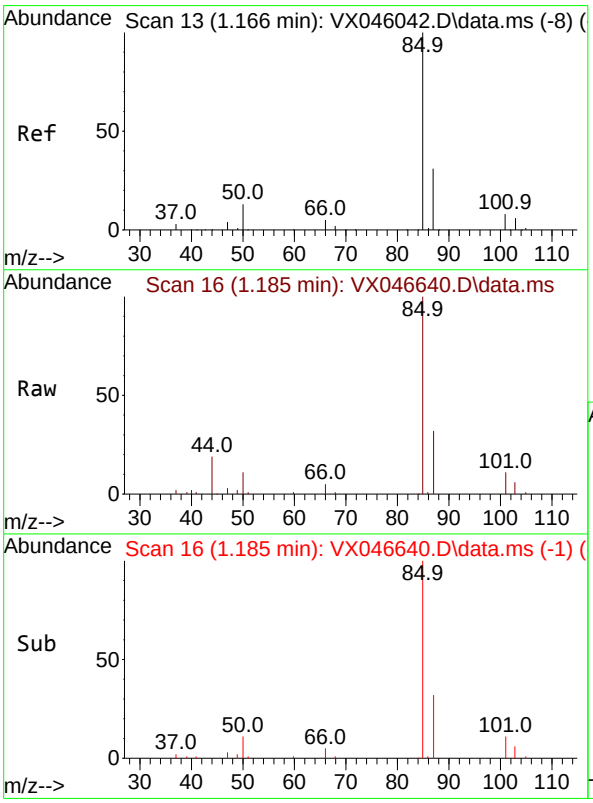
Ion	Ratio	Lower	Upper
168	100		
99	73.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

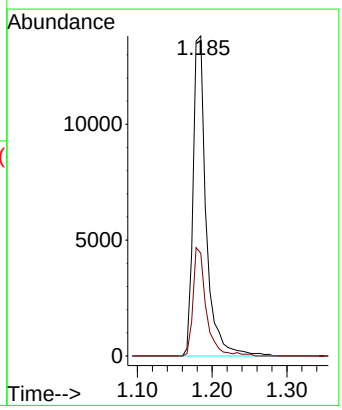
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

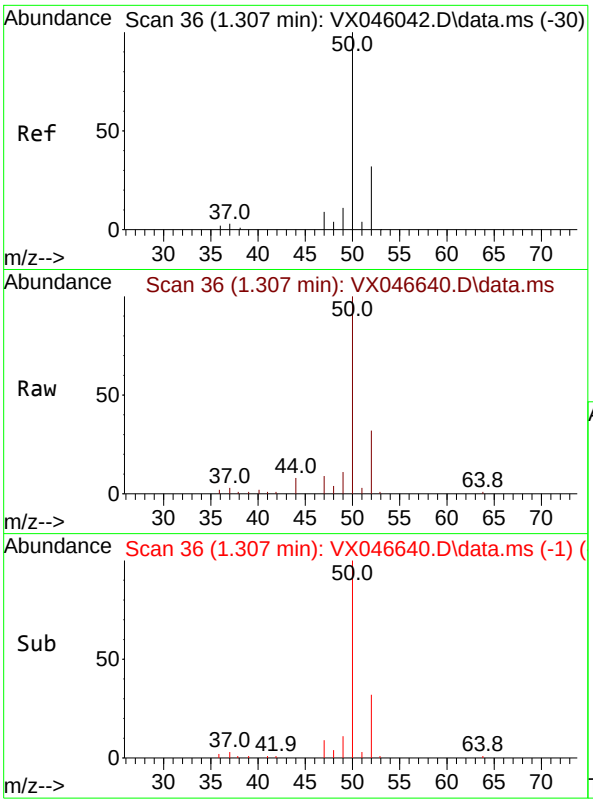


#2
Dichlorodifluoromethane
Concen: 16.029 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 85 Resp: 16873

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1

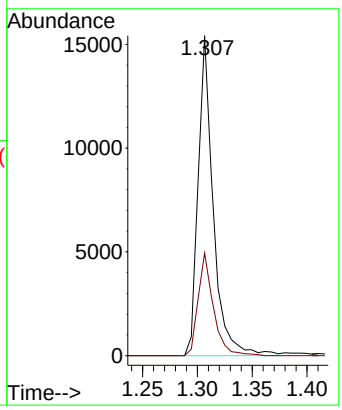




#3
Chloromethane
Concen: 15.461 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 50 Resp: 1481

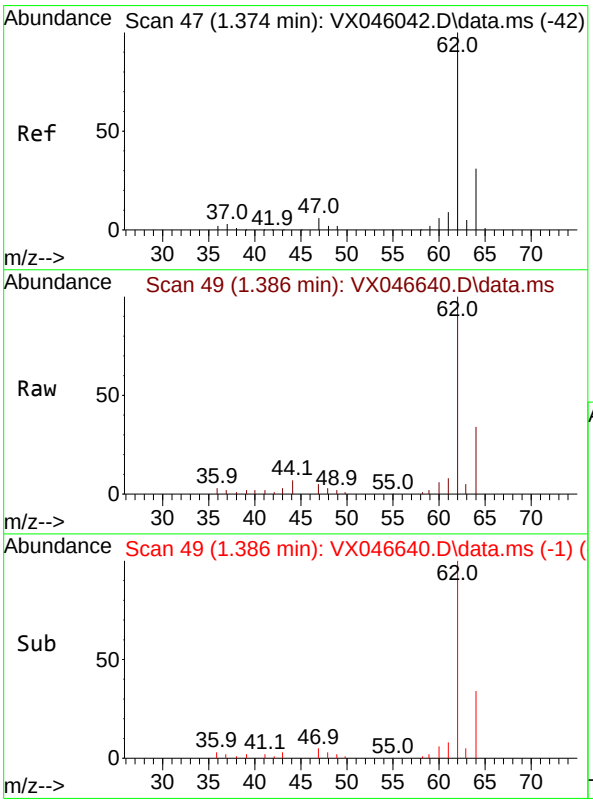
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

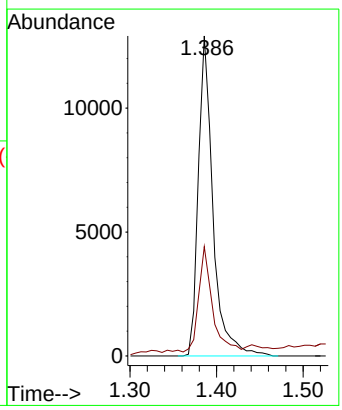
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

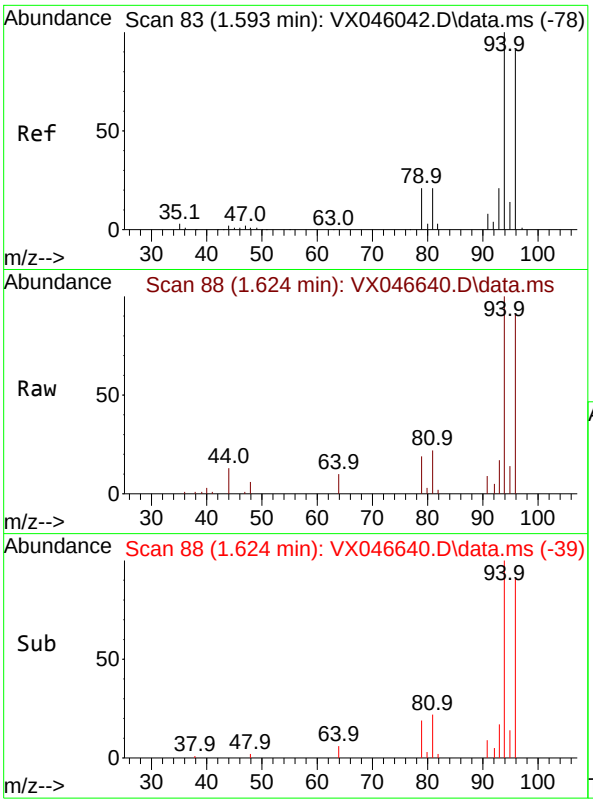


#4
Vinyl Chloride
Concen: 15.847 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 62 Resp: 15136

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8

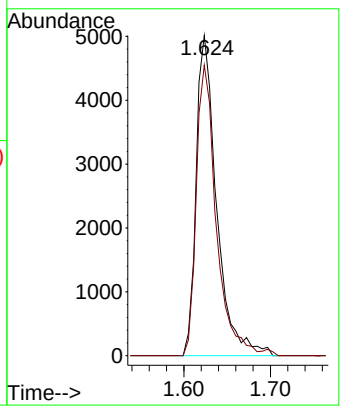




#5
Bromomethane
Concen: 14.190 ug/l
RT: 1.624 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 94 Resp: 822

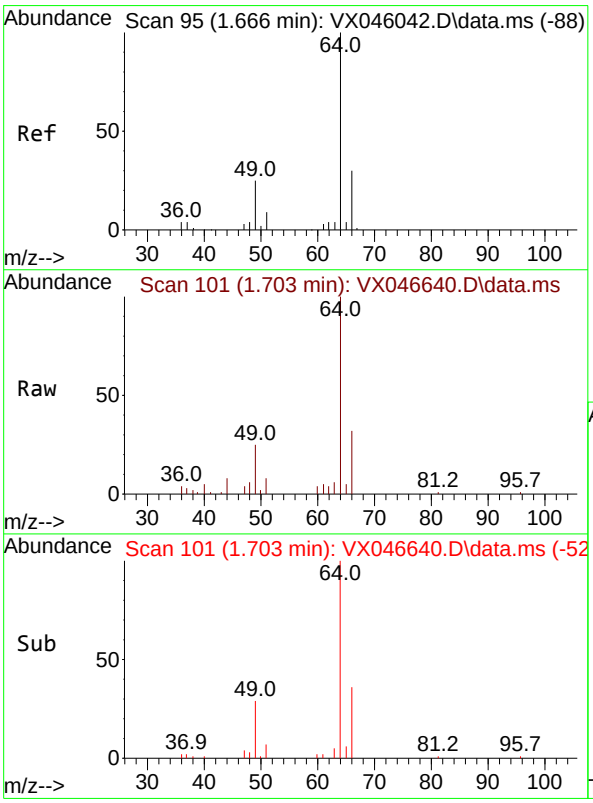
Ion	Ratio	Lower	Upper
94	100		
96	90.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

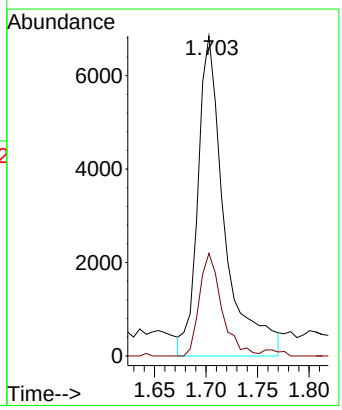
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

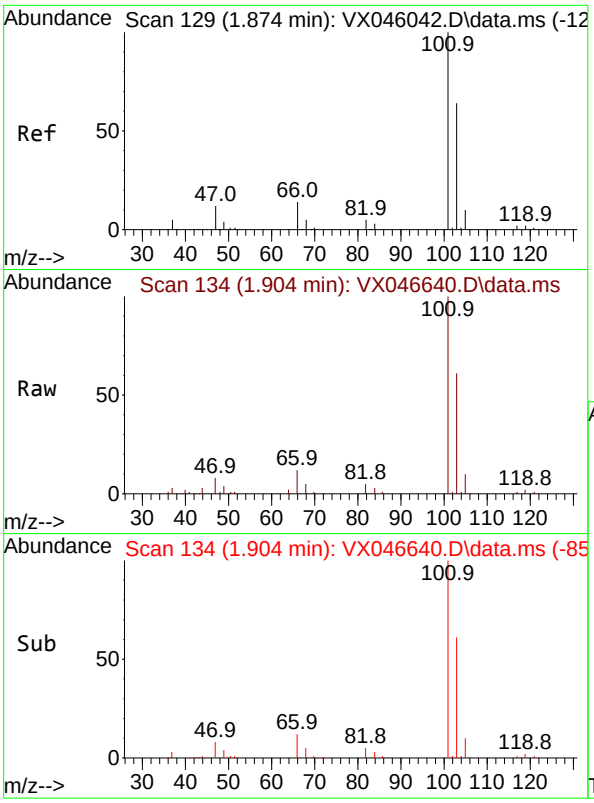


#6
Chloroethane
Concen: 19.961 ug/l m
RT: 1.703 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 64 Resp: 12370

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.3	36.5

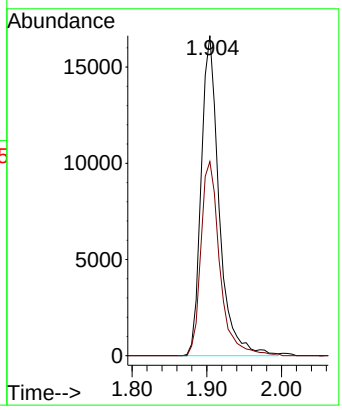




#7
Trichlorofluoromethane
Concen: 17.598 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:101 Resp: 2781

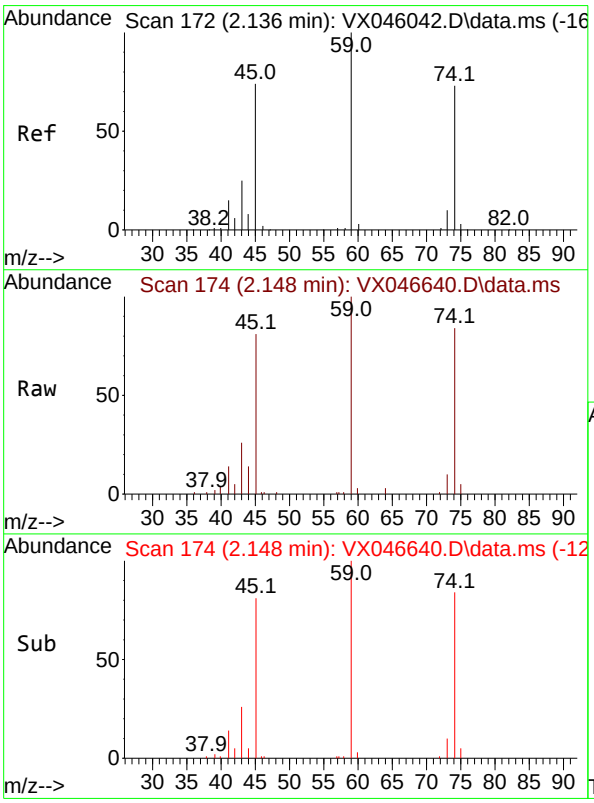
Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

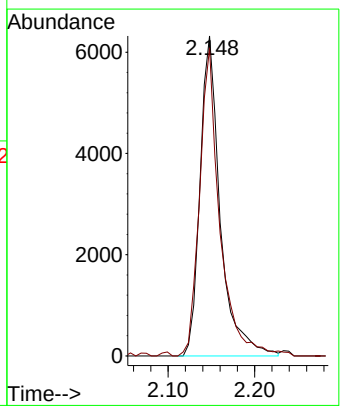
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

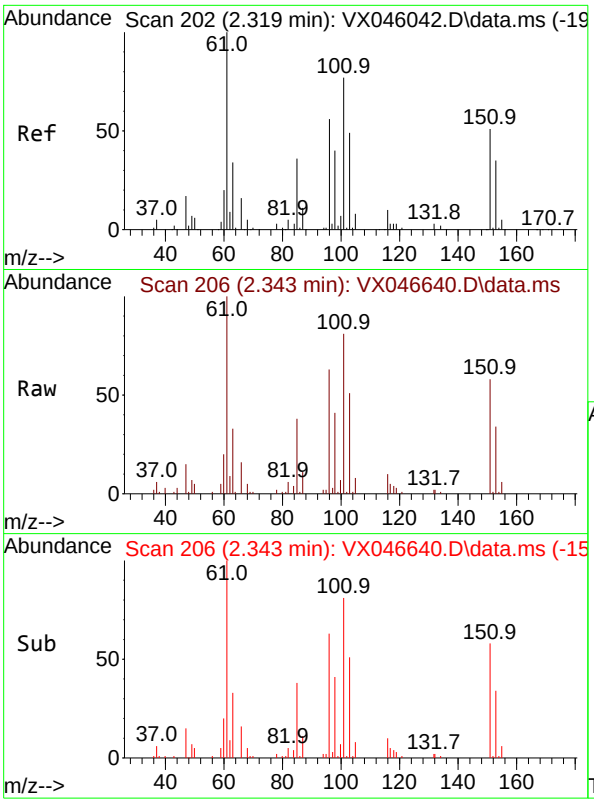


#8
Diethyl Ether
Concen: 18.320 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 74 Resp: 10229

Ion	Ratio	Lower	Upper
74	100		
45	96.6	54.9	164.8

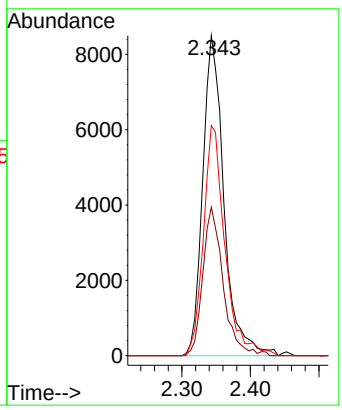




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.361 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:101 Resp: 1828

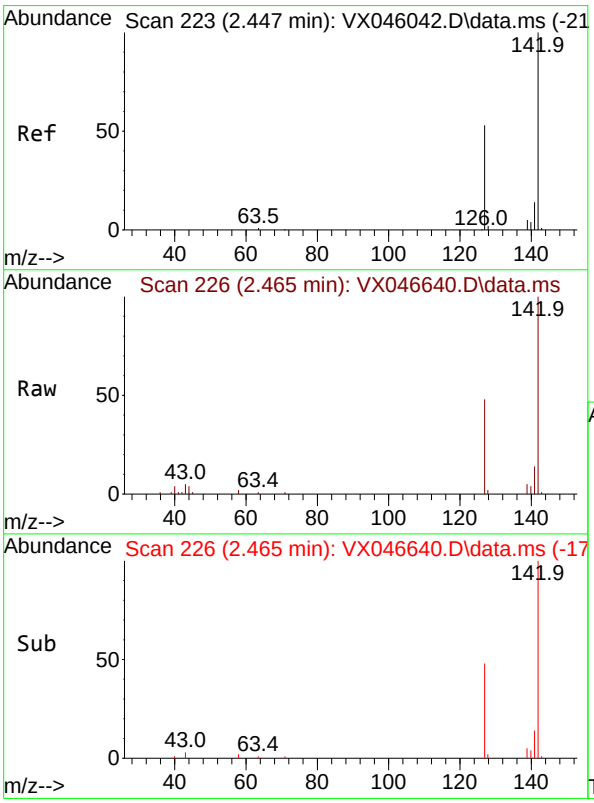
Ion	Ratio	Lower	Upper
101	100		
85	44.7	38.6	58.0
151	73.1	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

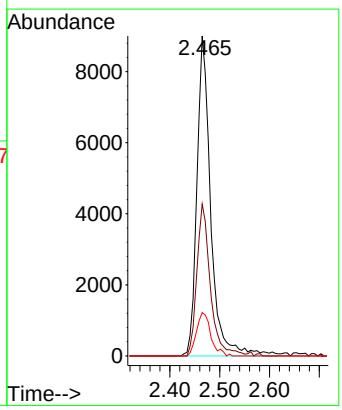
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

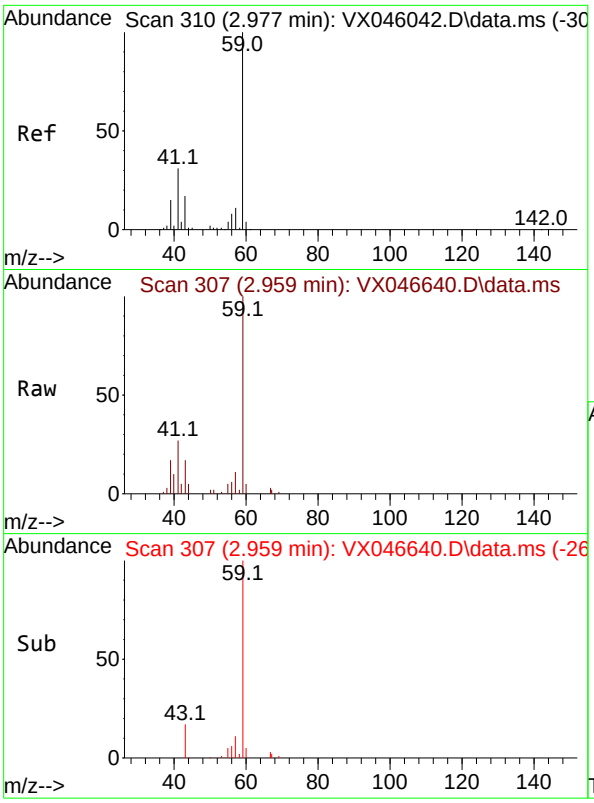


#10
Methyl Iodide
Concen: 16.119 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:142 Resp: 17397

Ion	Ratio	Lower	Upper
142	100		
127	46.1	41.7	62.5
141	14.0	11.5	17.3

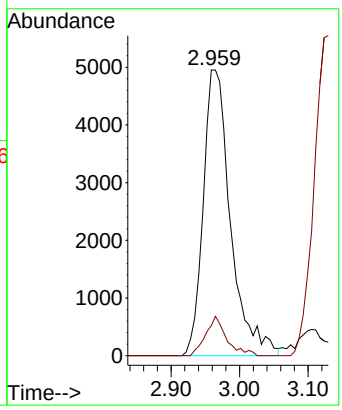




#11
Tert butyl alcohol
Concen: 91.786 ug/l
RT: 2.959 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 59 Resp: 1373

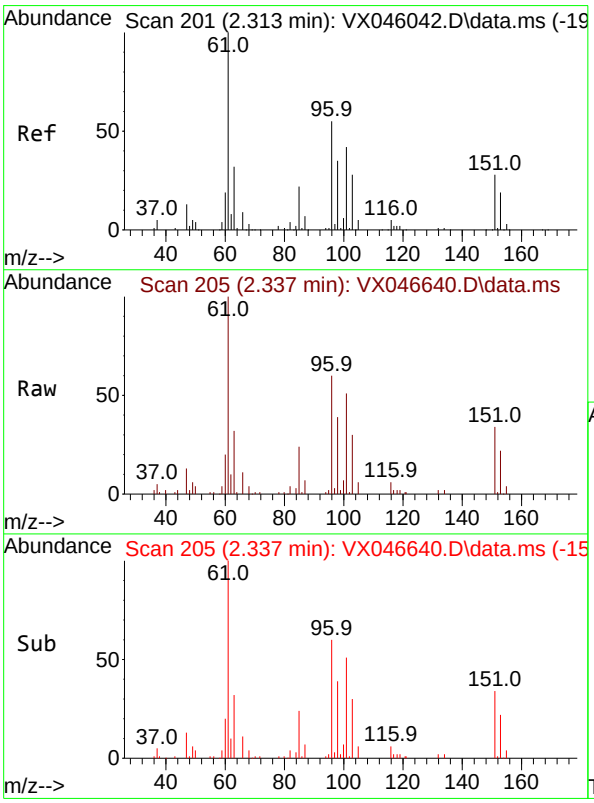
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

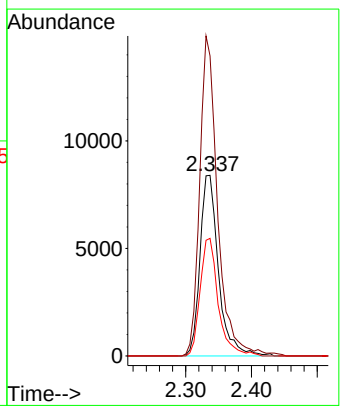
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

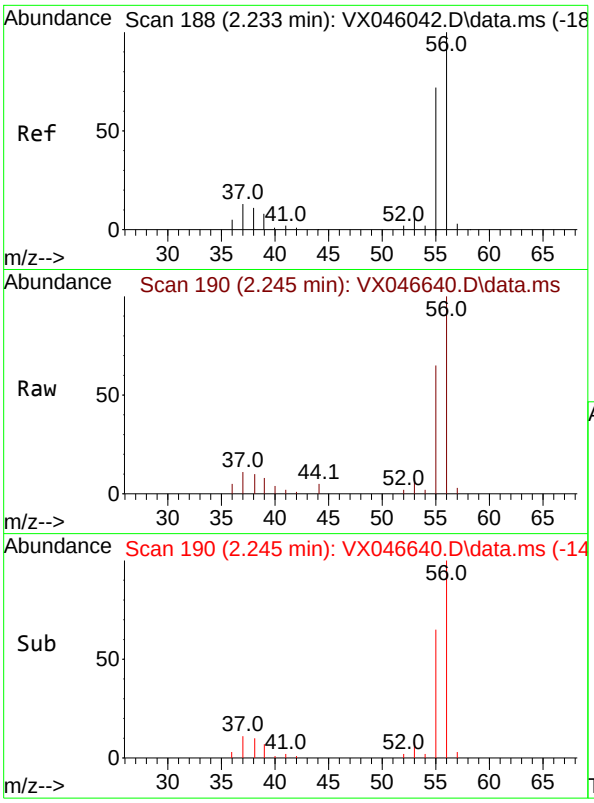


#12
1,1-Dichloroethene
Concen: 18.283 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 96 Resp: 16458

Ion	Ratio	Lower	Upper
96	100		
61	166.1	146.2	219.2
98	65.1	51.0	76.6

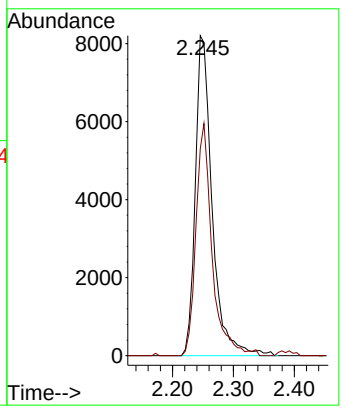




#13
Acrolein
Concen: 106.466 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 56 Resp: 1573

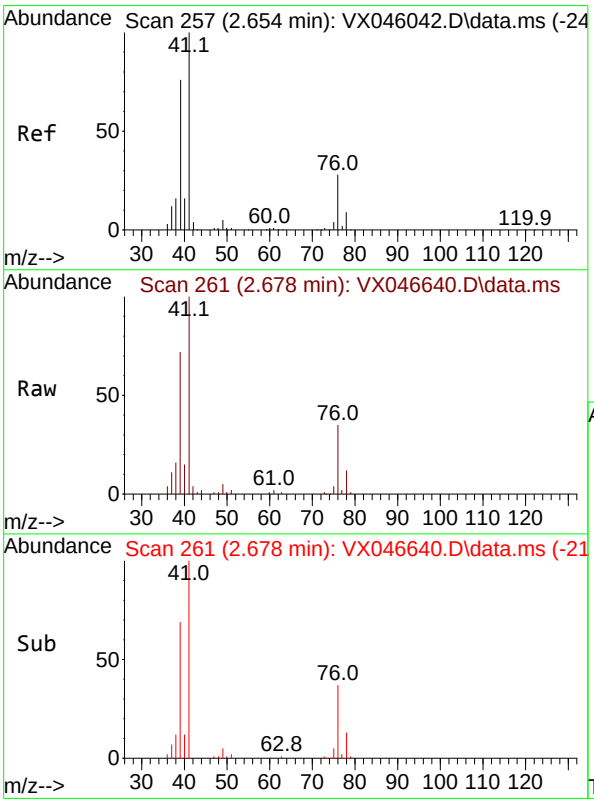
Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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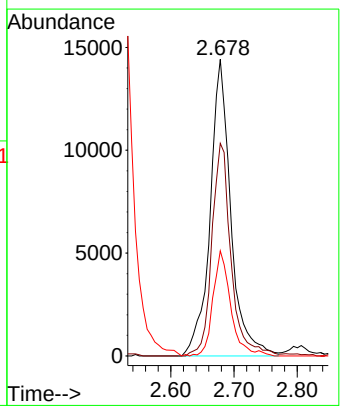
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

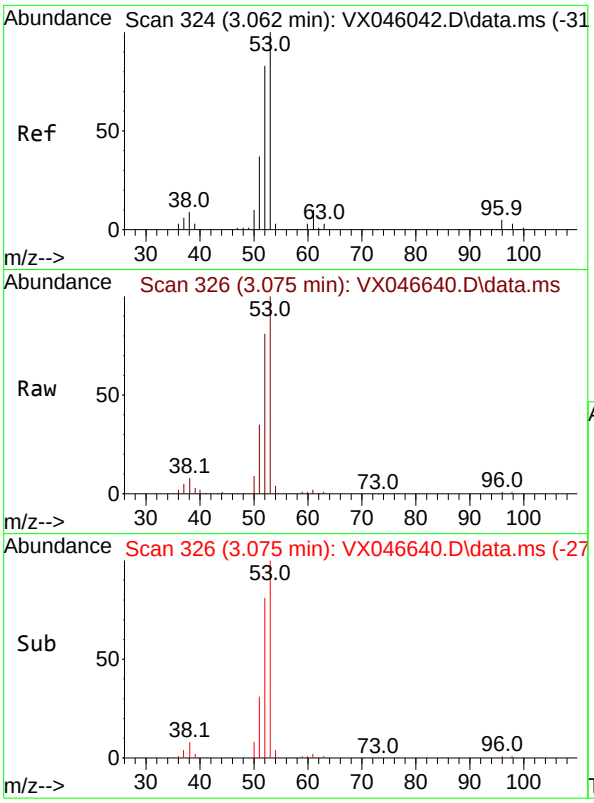


#14
Allyl chloride
Concen: 18.605 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 41 Resp: 32893

Ion	Ratio	Lower	Upper
41	100		
39	66.2	60.6	90.8
76	30.4	24.9	37.3





#15
Acrylonitrile
Concen: 103.922 ug/l
RT: 3.075 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

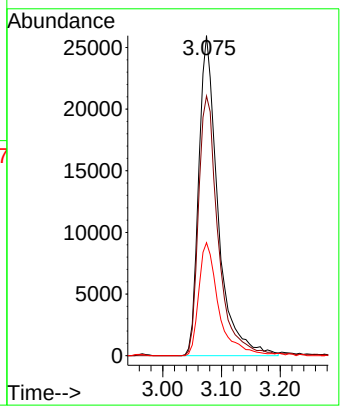
Tgt Ion: 53 Resp: 5881

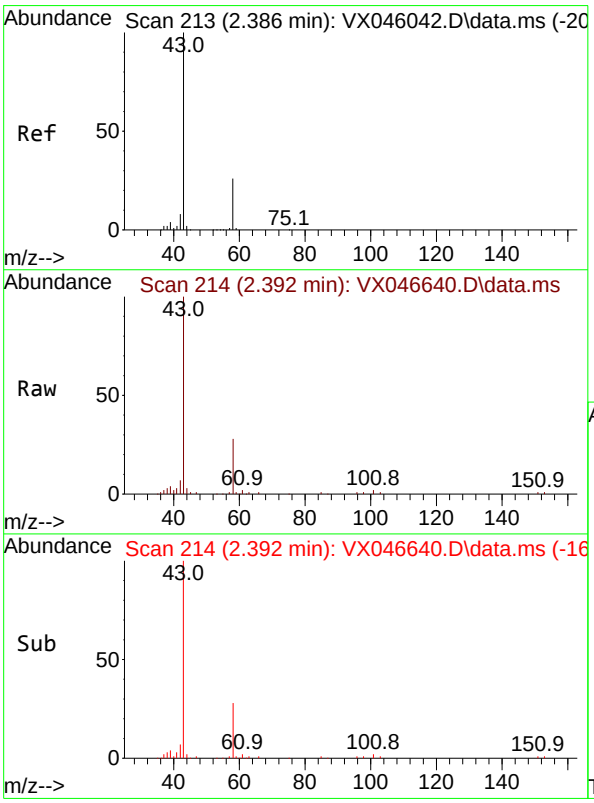
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	36.7	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

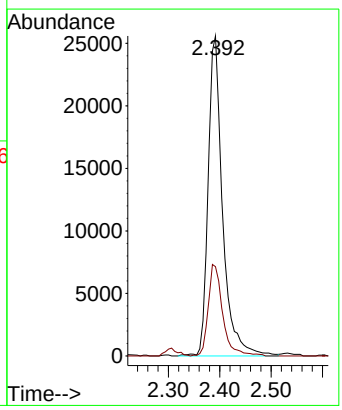


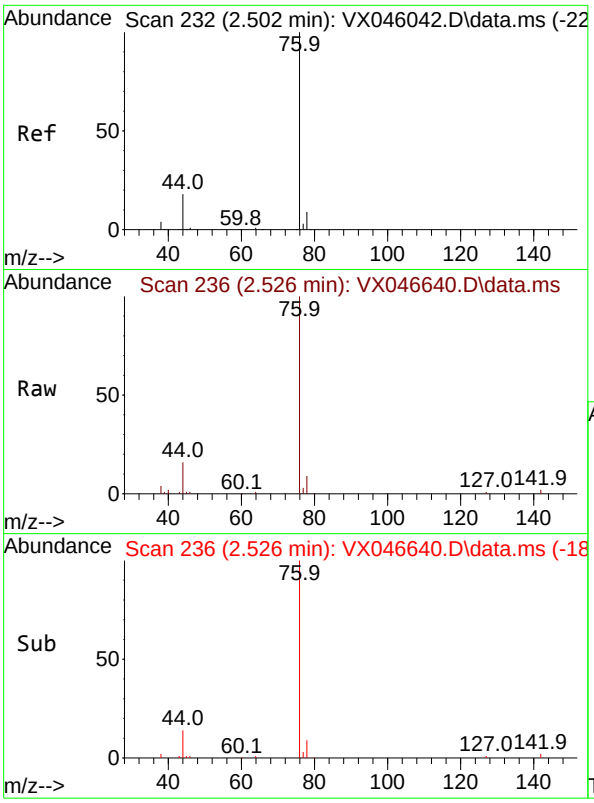


#16
Acetone
Concen: 97.070 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 49904

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.2	31.8





#17
Carbon Disulfide
Concen: 16.854 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

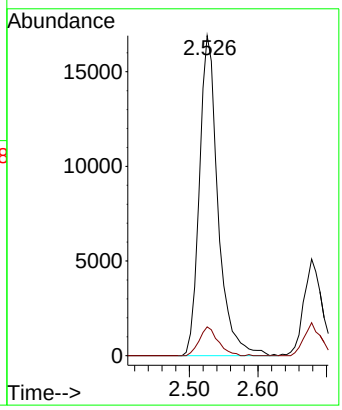
Tgt Ion: 76 Resp: 3195

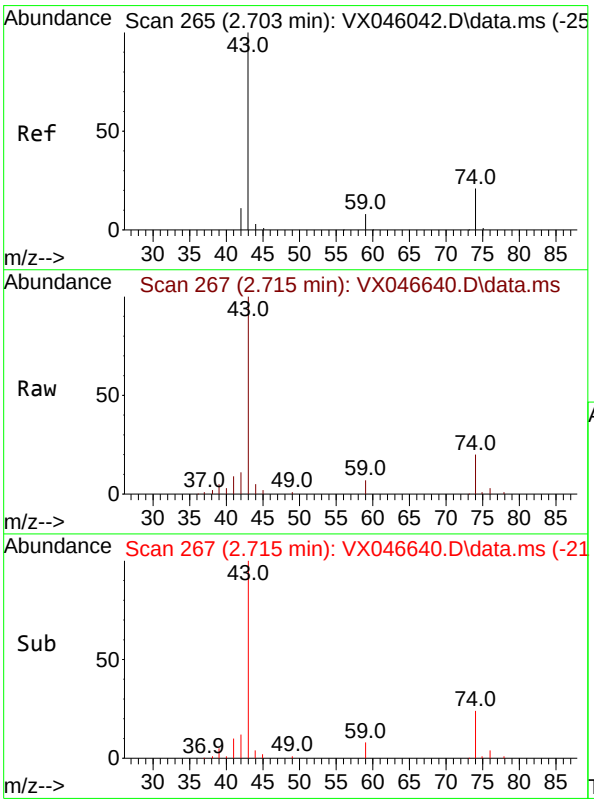
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

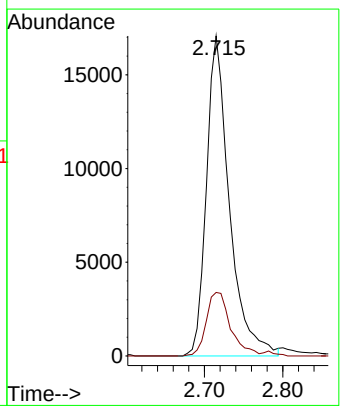


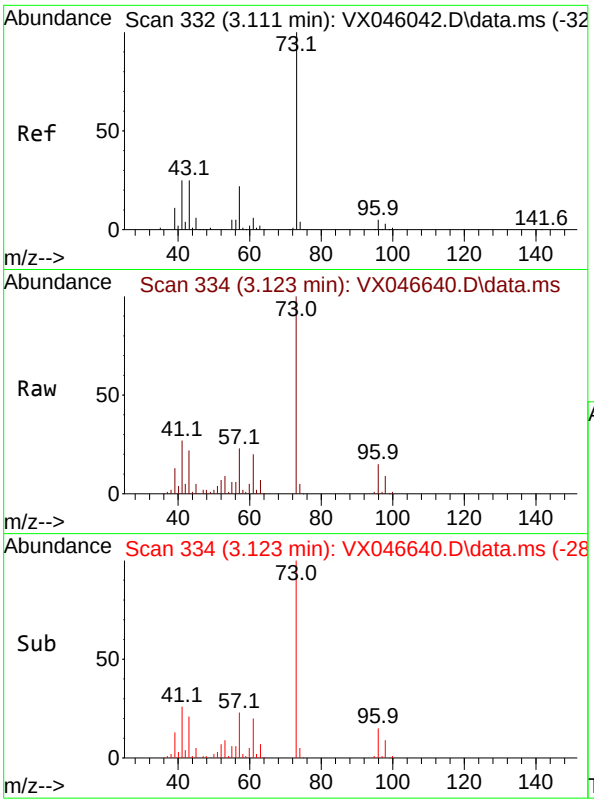


#18
Methyl Acetate
Concen: 21.604 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 34714

Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.7	25.1

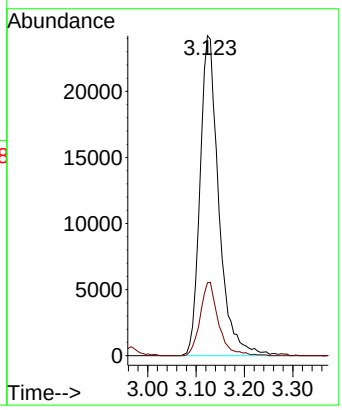




#19
Methyl tert-butyl Ether
Concen: 20.706 ug/l
RT: 3.123 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 73 Resp: 6522

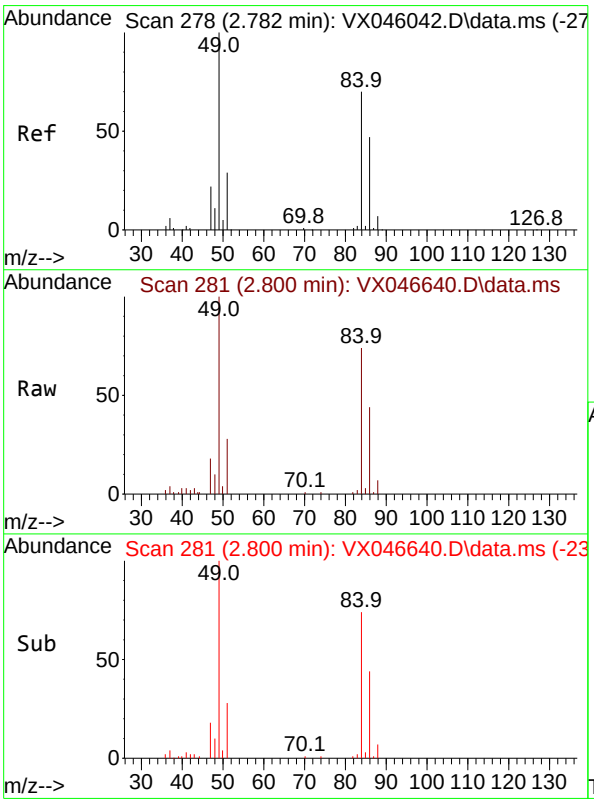
Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

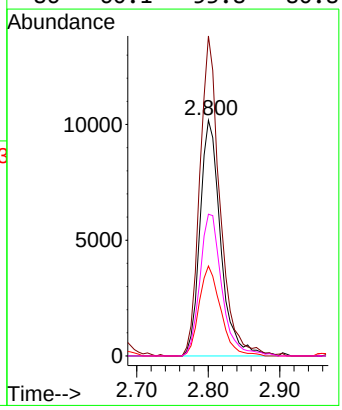
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

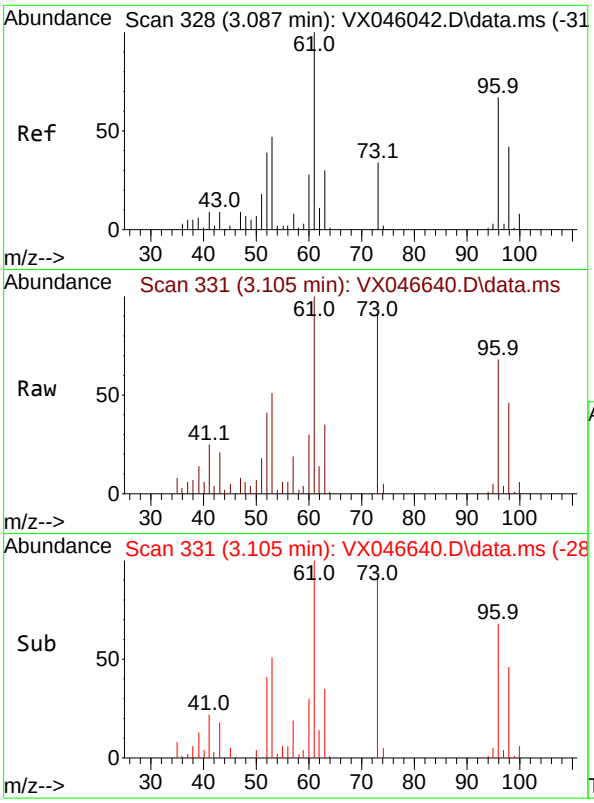


#20
Methylene Chloride
Concen: 18.943 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 84 Resp: 20501

Ion	Ratio	Lower	Upper
84	100		
49	135.7	113.9	170.9
51	38.1	33.5	50.3
86	60.1	53.8	80.8





#21
trans-1,2-Dichloroethene
Concen: 17.893 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

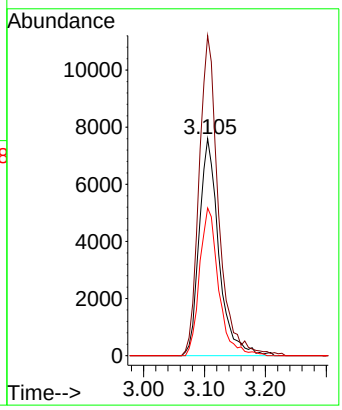
Tgt Ion: 96 Resp: 1704

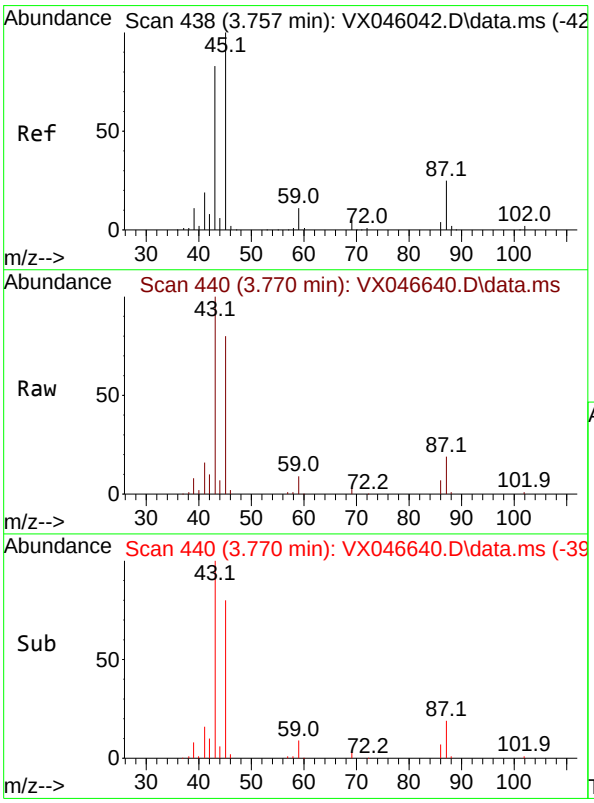
Ion	Ratio	Lower	Upper
96	100		
61	147.5	119.5	179.3
98	68.1	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

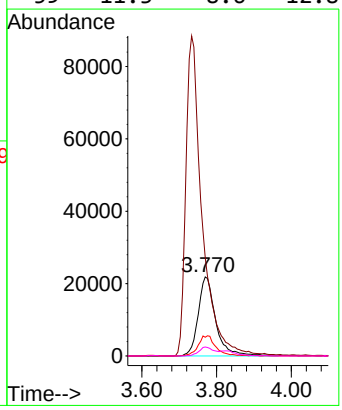


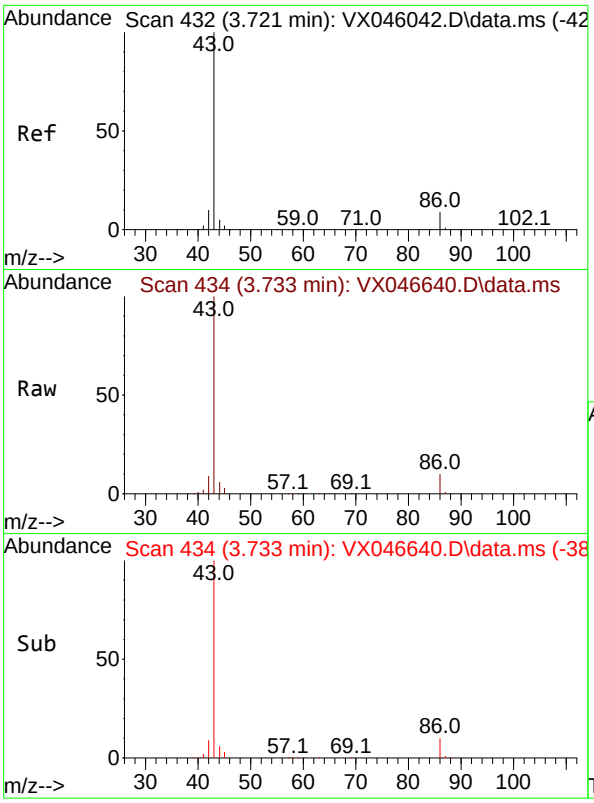


#22
Diisopropyl ether
Concen: 20.285 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 45 Resp: 70704

Ion	Ratio	Lower	Upper
45	100		
43	122.7	66.6	100.0#
87	23.8	19.8	29.6
59	11.3	8.6	12.8





#23
Vinyl Acetate
Concen: 100.048 ug/l
RT: 3.733 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

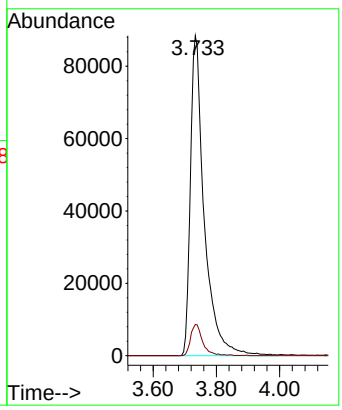
Tgt Ion: 43 Resp: 26923

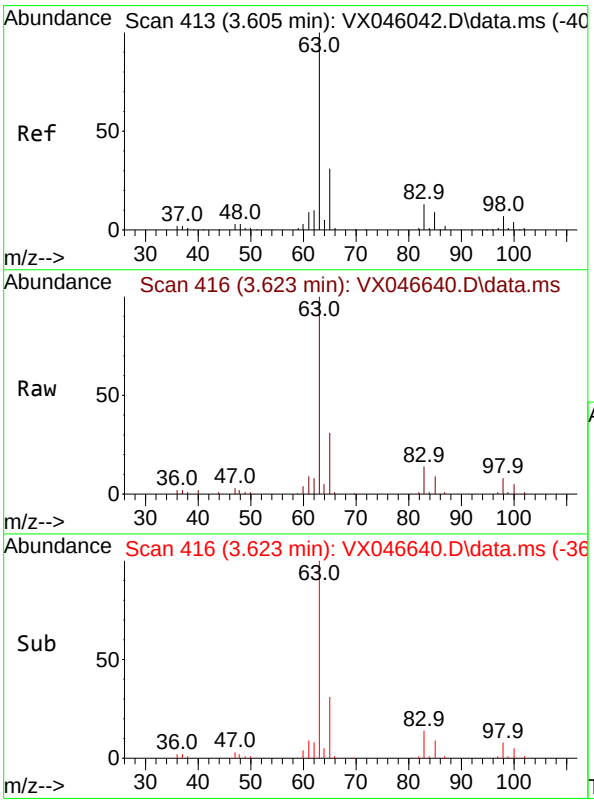
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

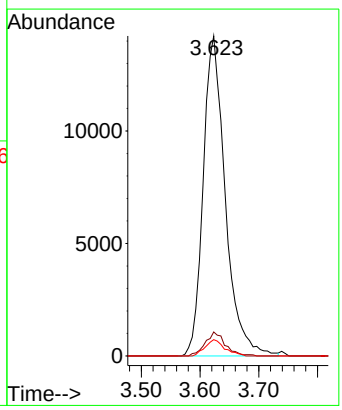


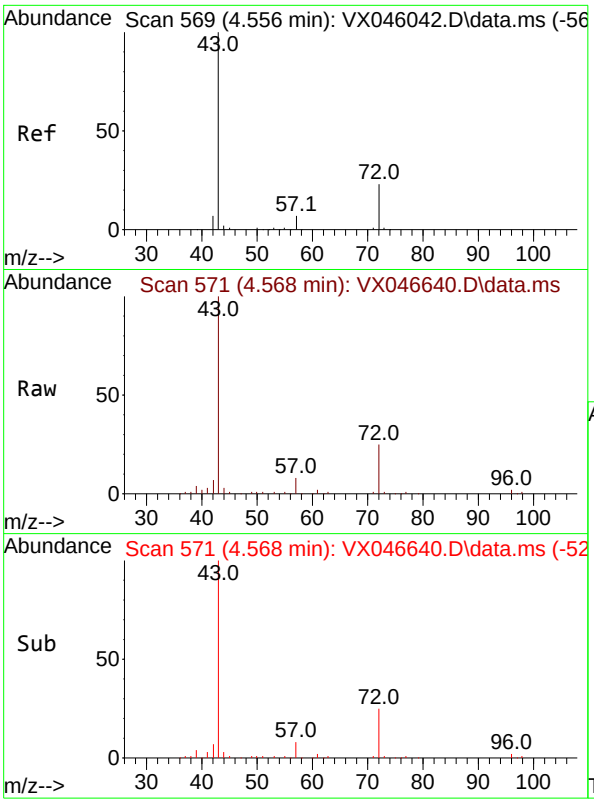


#24
1,1-Dichloroethane
Concen: 19.159 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 63 Resp: 37219

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	5.1	2.1	6.3





#25
2-Butanone
Concen: 100.047 ug/l
RT: 4.568 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

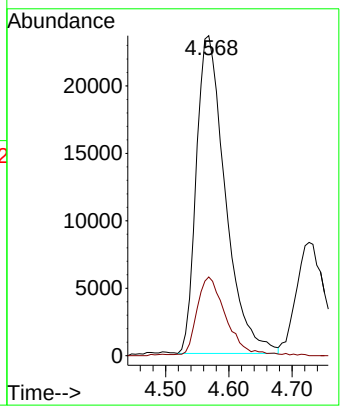
Tgt Ion: 43 Resp: 7513

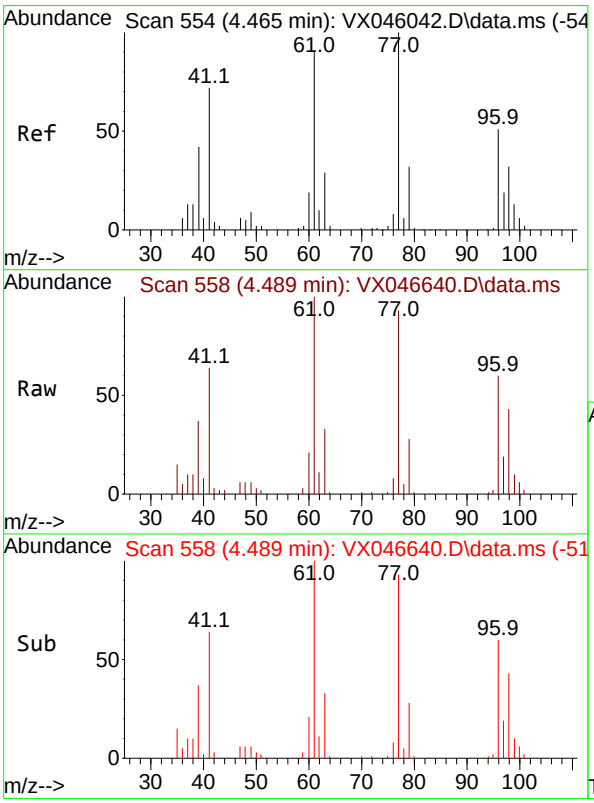
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

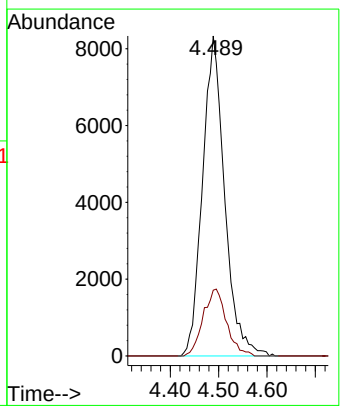


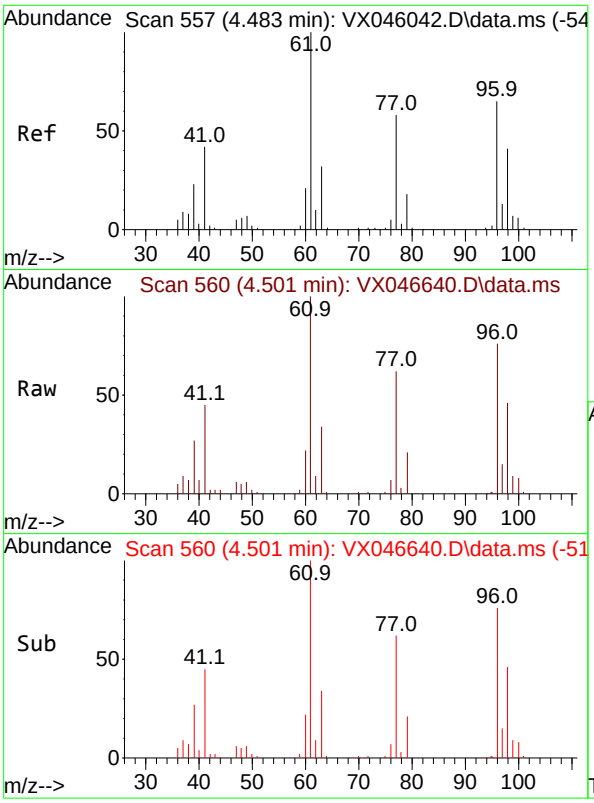


#26
2,2-Dichloropropane
Concen: 18.348 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 77 Resp: 26460

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.5	31.5

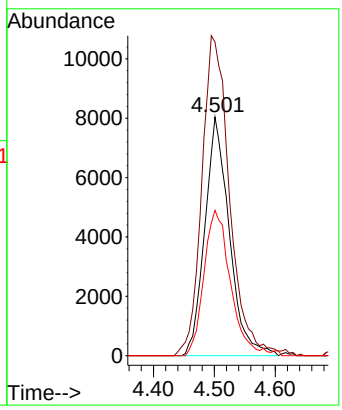




#27
cis-1,2-Dichloroethene
Concen: 19.177 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 96 Resp: 2249

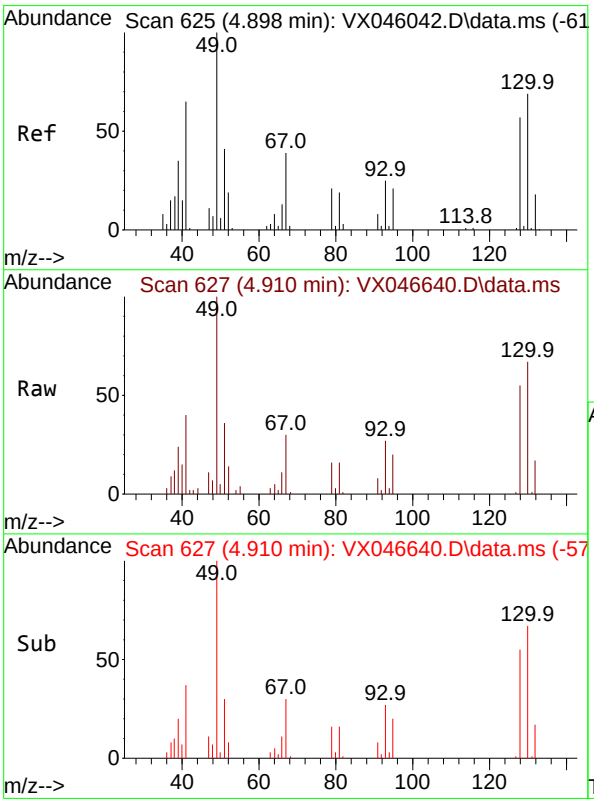
Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	322.8
98	65.6	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

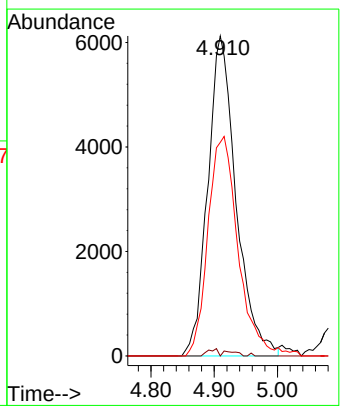
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

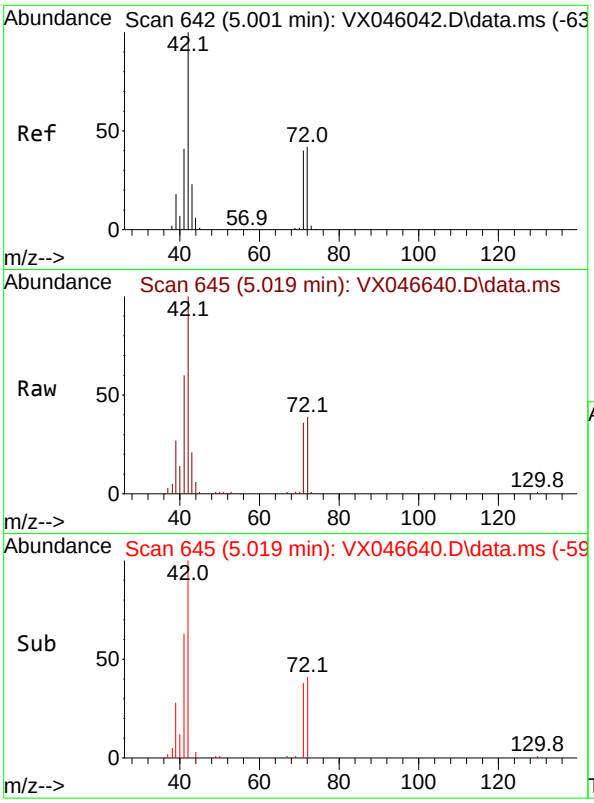


#28
Bromochloromethane
Concen: 20.576 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 49 Resp: 19065

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	73.1	56.2	84.2

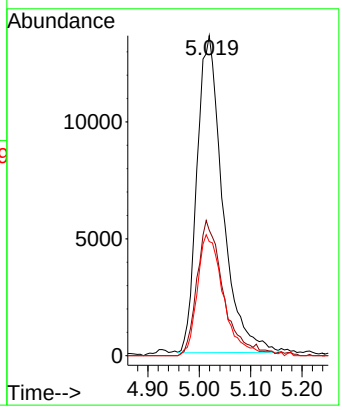




#29
Tetrahydrofuran
Concen: 99.100 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 42 Resp: 4699

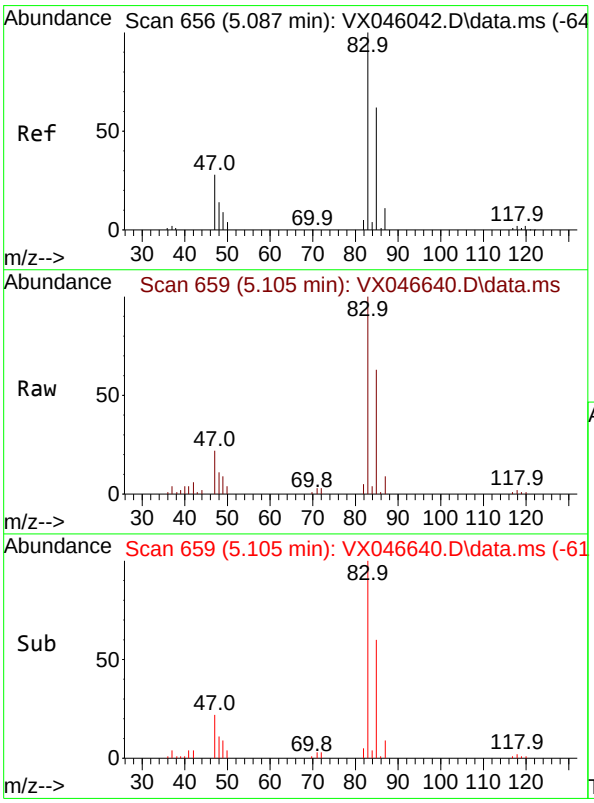
Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.7	50.5
71	39.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

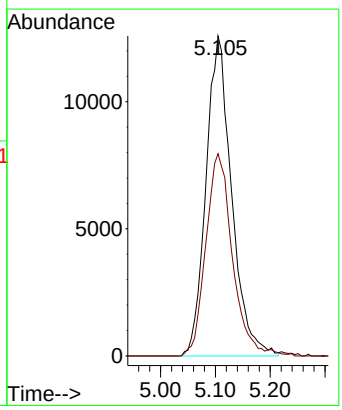
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

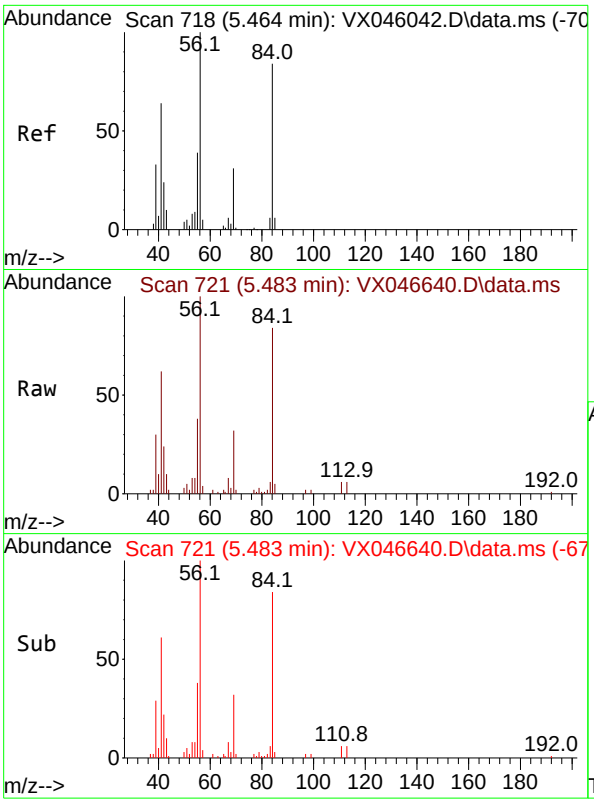


#30
Chloroform
Concen: 20.087 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 83 Resp: 40886

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.3	73.9

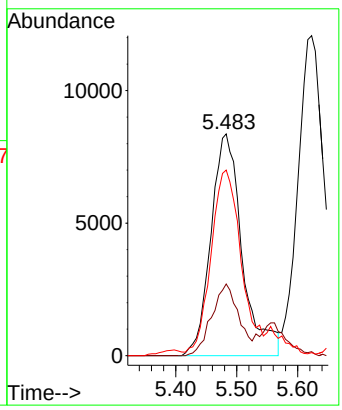




#31
Cyclohexane
Concen: 19.002 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 56 Resp: 2980

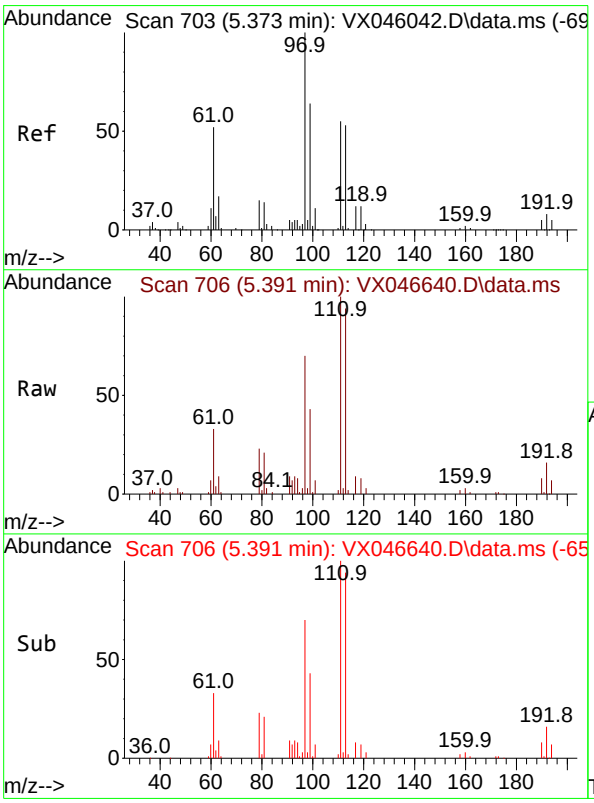
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.4	36.6
84	81.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

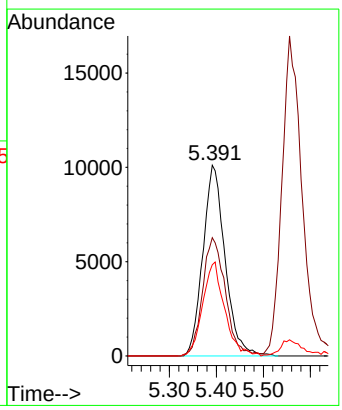
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

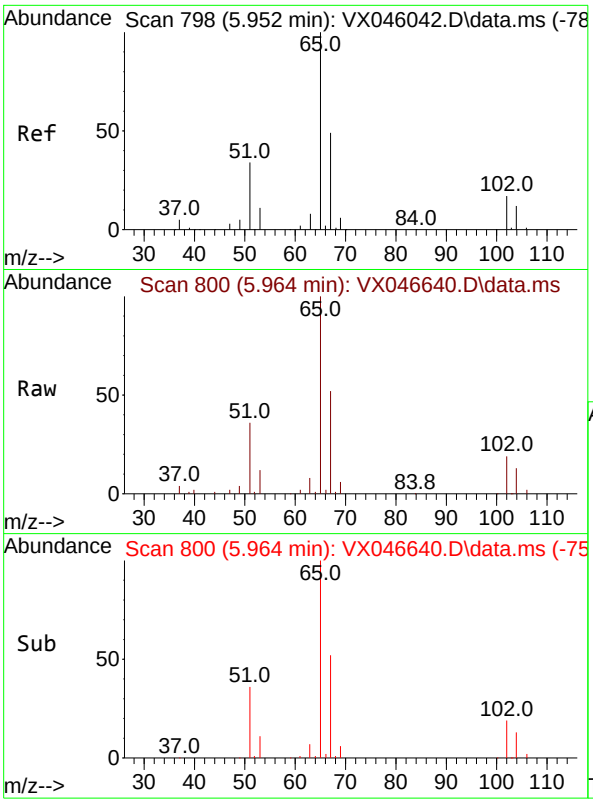


#32
1,1,1-Trichloroethane
Concen: 19.024 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 97 Resp: 33124

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	48.8	40.1	60.1

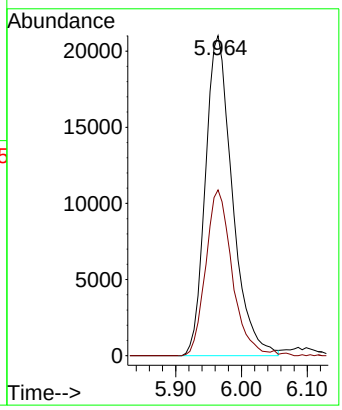




#33
1,2-Dichloroethane-d4
Concen: 44.445 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 65 Resp: 5995

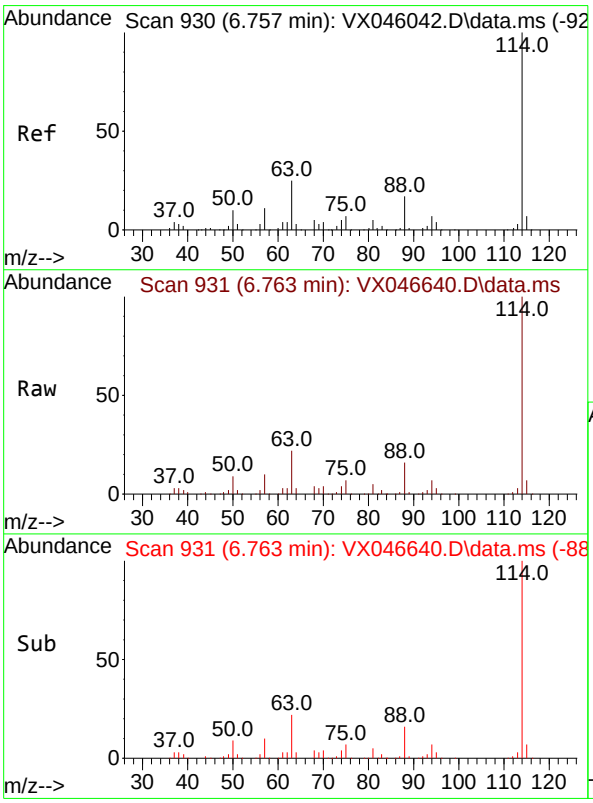
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

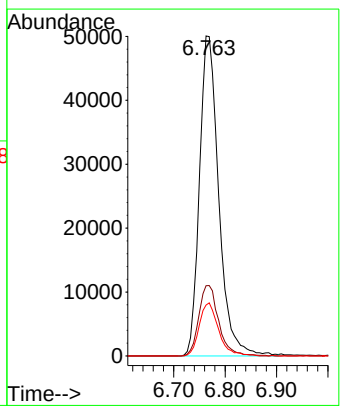
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

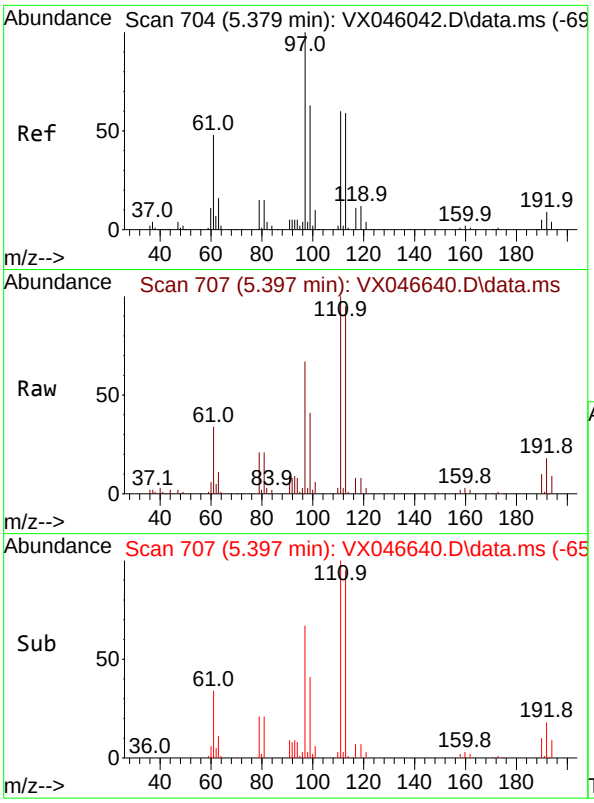


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:114 Resp: 130739

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	49.2
88	15.9	0.0	33.6

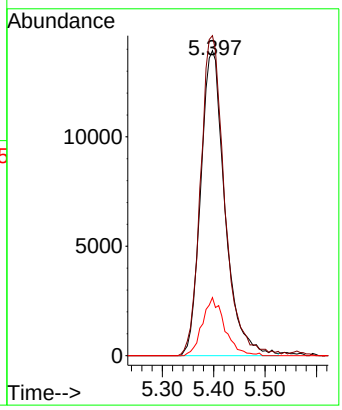




#35
Dibromofluoromethane
Concen: 47.363 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:113 Resp: 4553

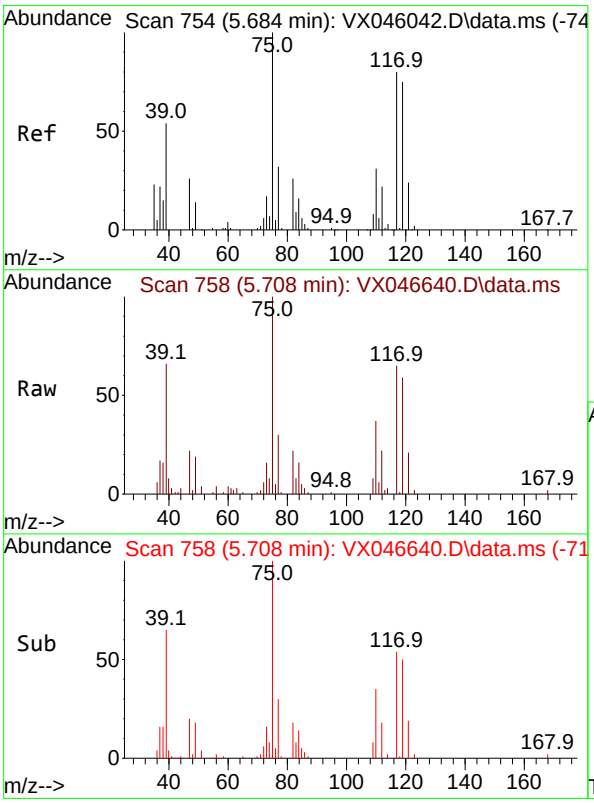
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.1	124.7
192	17.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

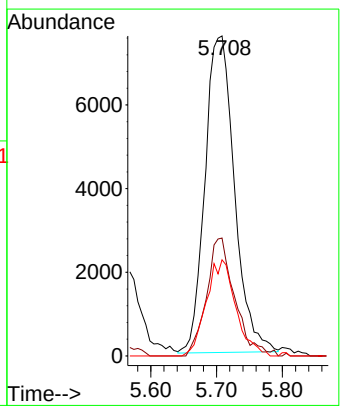
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

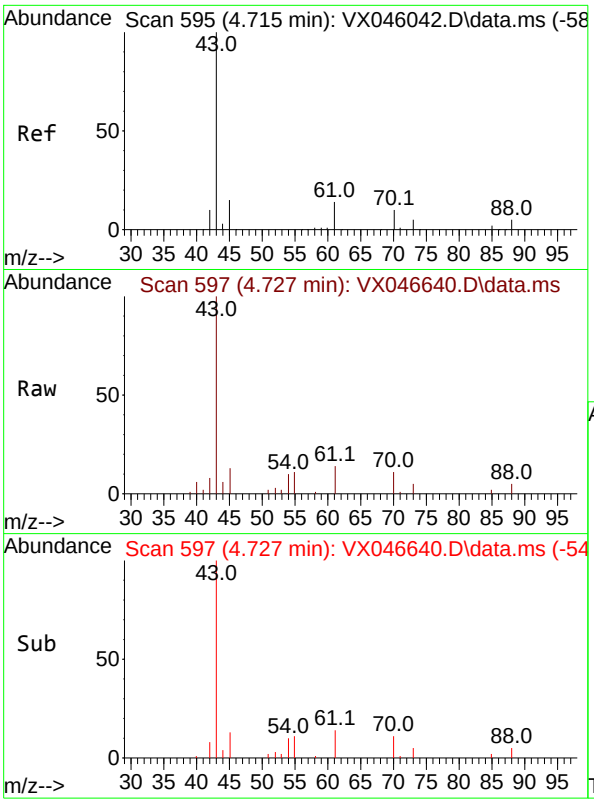


#36
1,1-Dichloropropene
Concen: 17.202 ug/l
RT: 5.708 min Scan# 758
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 23625

Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.3	48.9
77	30.3	24.3	36.5

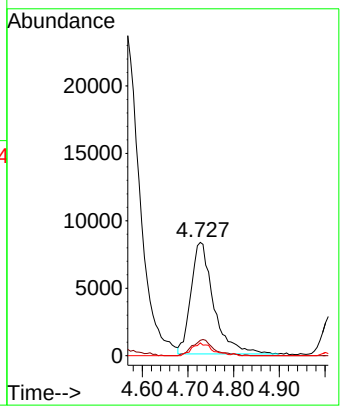




#37
Ethyl Acetate
Concen: 21.355 ug/l
RT: 4.727 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 2862

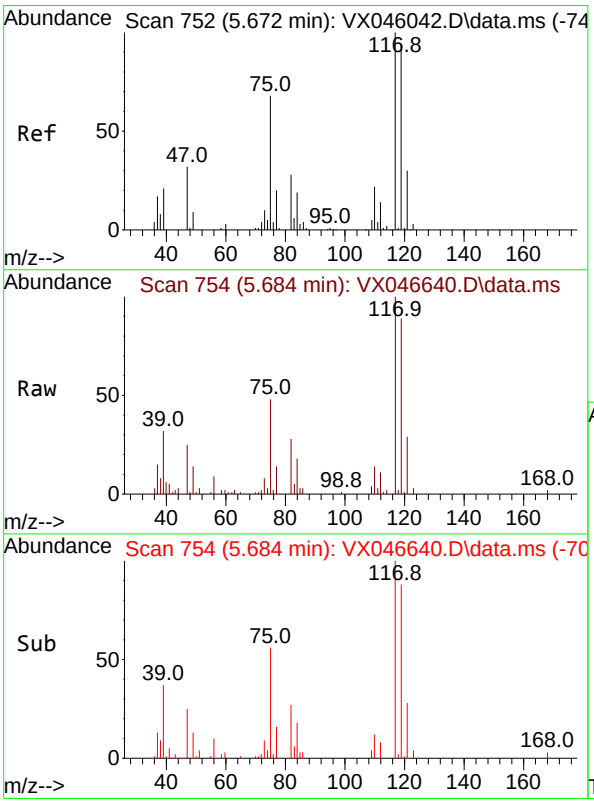
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

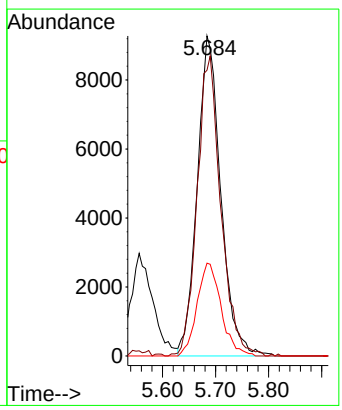
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

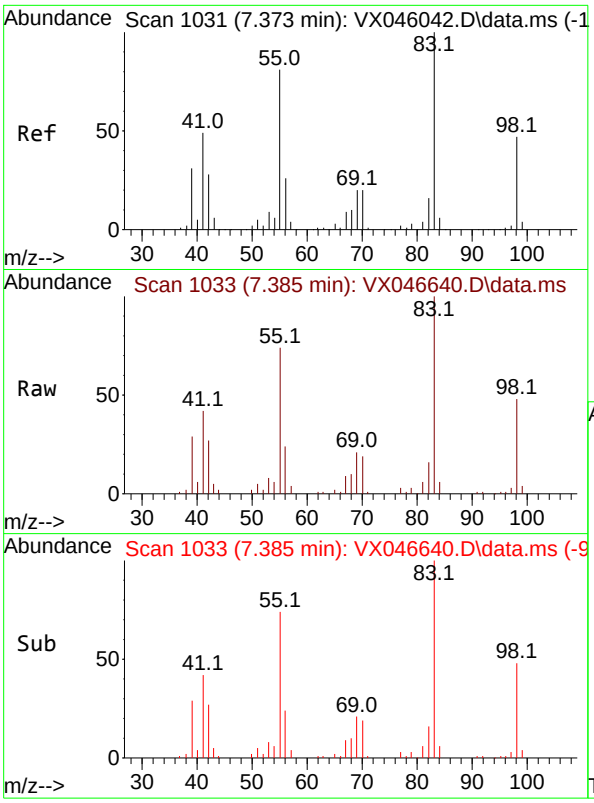


#38
Carbon Tetrachloride
Concen: 18.628 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:117 Resp: 28654

Ion	Ratio	Lower	Upper
117	100		
119	88.7	75.2	112.8
121	29.0	24.2	36.4

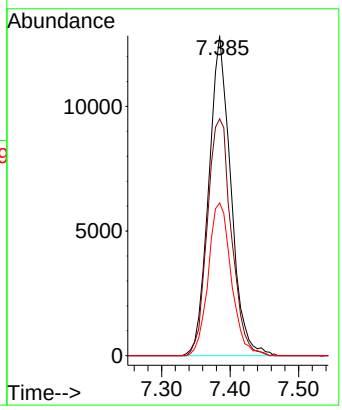




#39
Methylcyclohexane
Concen: 17.712 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 83 Resp: 2871

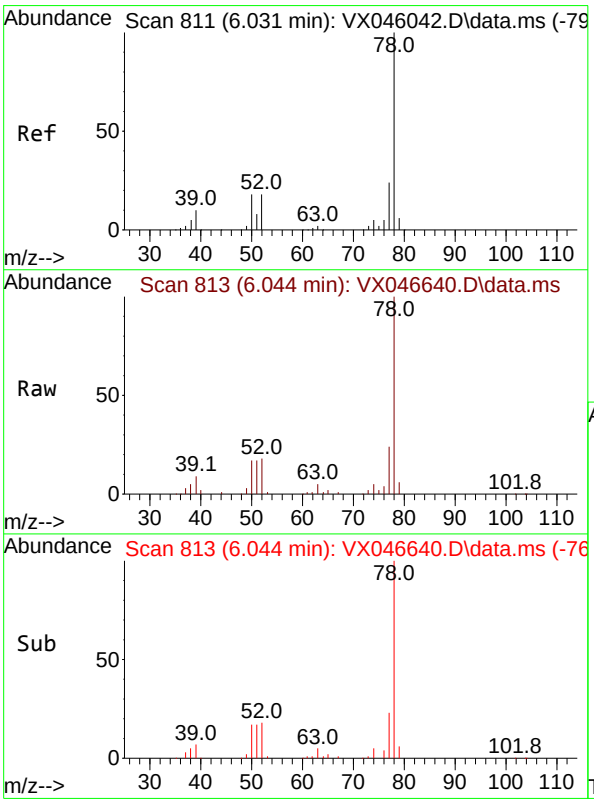
Ion	Ratio	Lower	Upper
83	100		
55	74.0	64.7	97.1
98	47.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

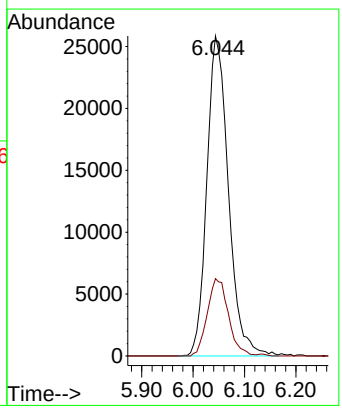
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

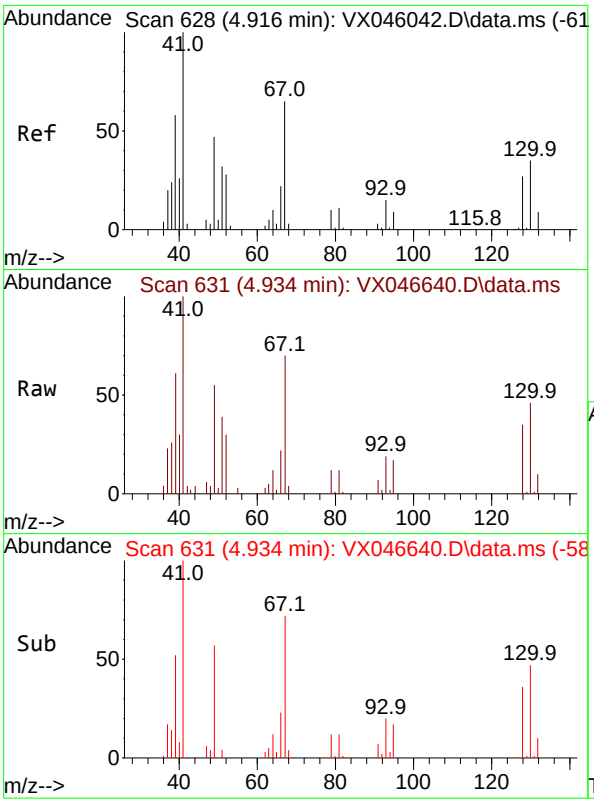


#40
Benzene
Concen: 19.477 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.012 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 78 Resp: 75303

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

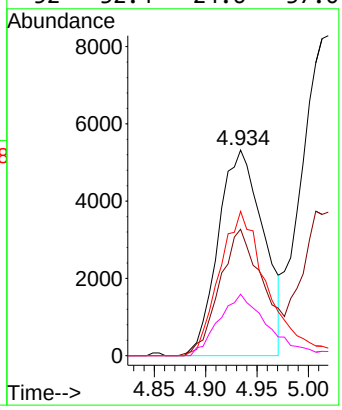




#41
Methacrylonitrile
Concen: 19.585 ug/l
RT: 4.934 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 41 Resp: 1630

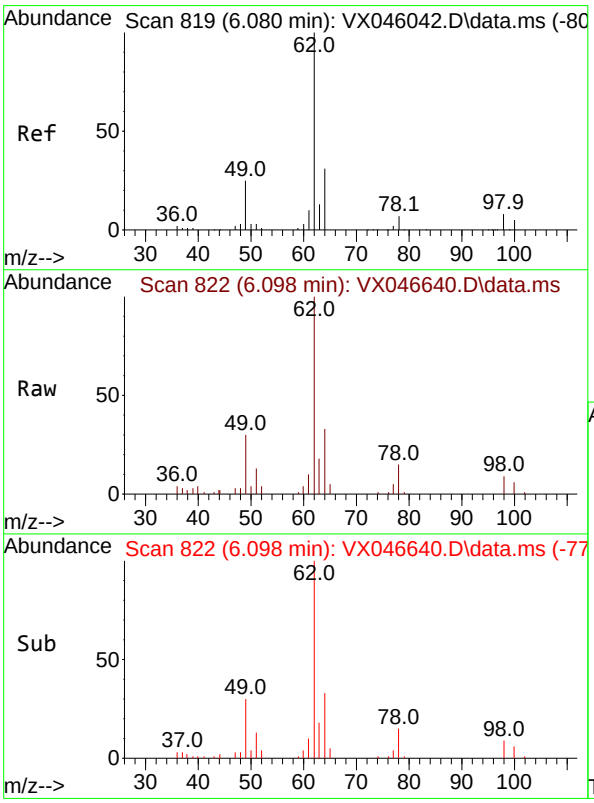
Ion	Ratio	Lower	Upper
41	100		
39	60.2	47.2	70.8
67	75.5	50.7	76.1
52	32.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

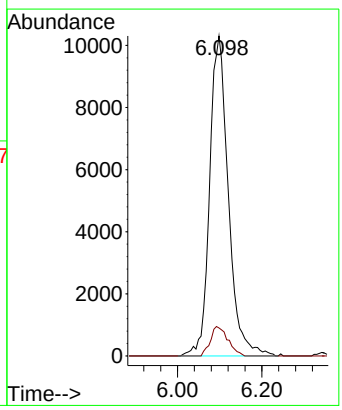
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

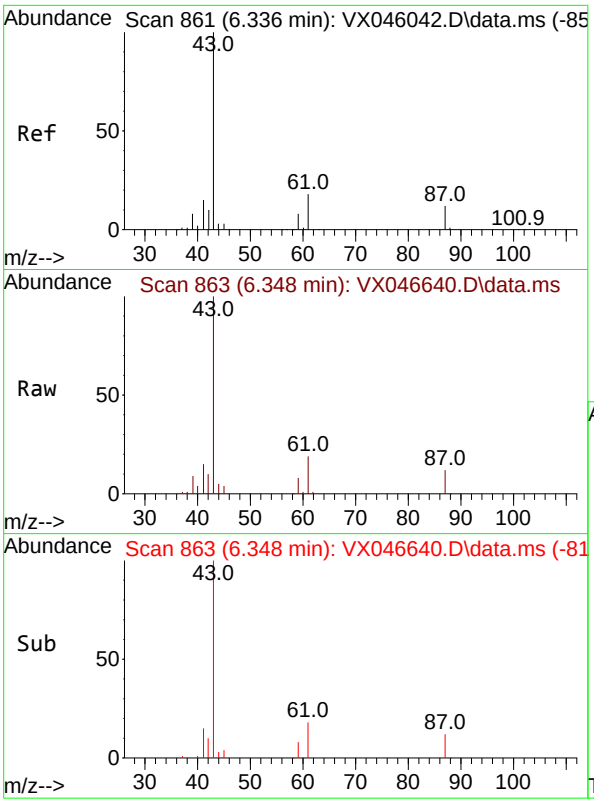


#42
1,2-Dichloroethane
Concen: 19.749 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 62 Resp: 31765

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	15.2

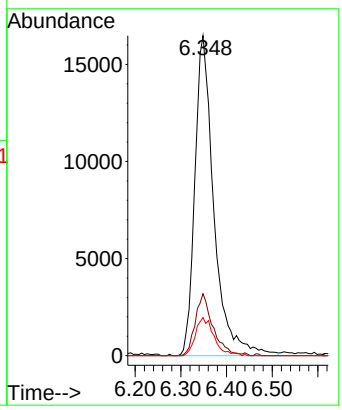




#43
Isopropyl Acetate
Concen: 20.446 ug/l
RT: 6.348 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 4777

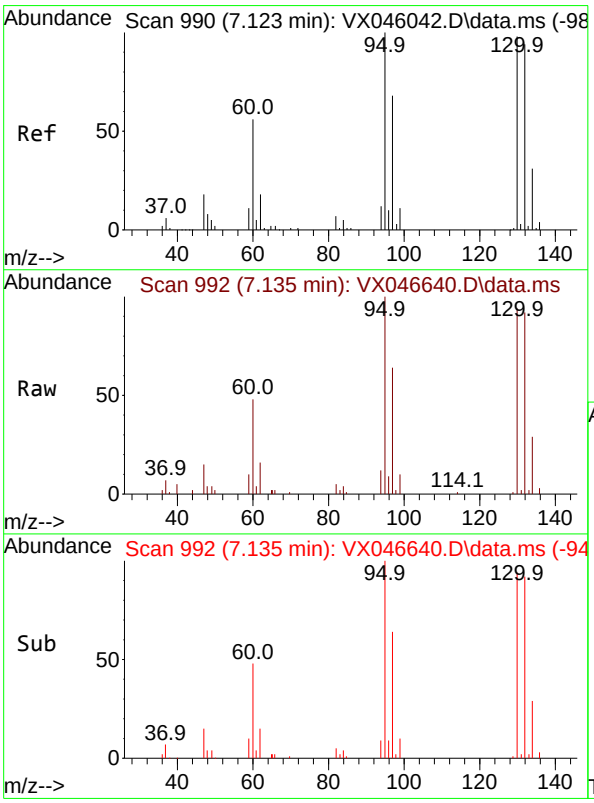
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

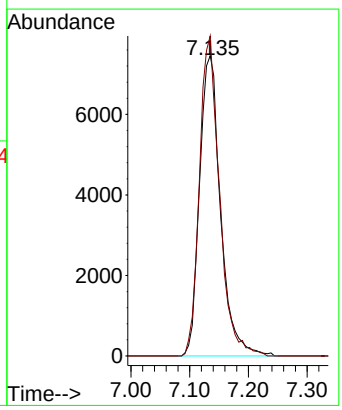
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

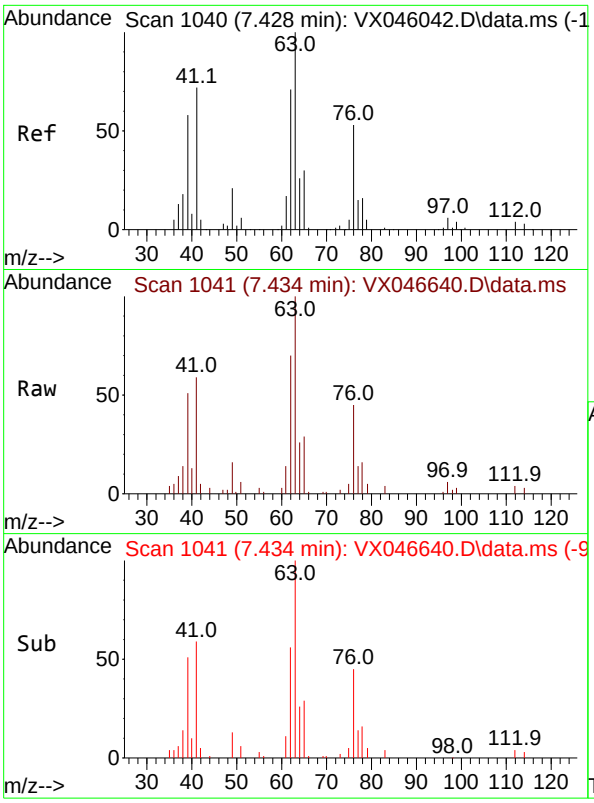


#44
Trichloroethene
Concen: 18.790 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:130 Resp: 18458

Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	204.2

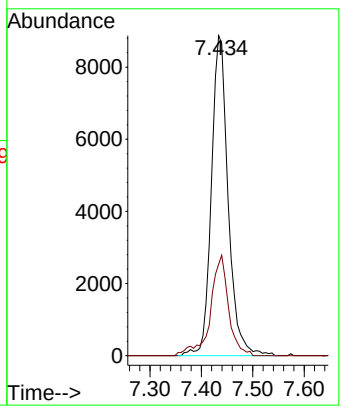




#45
1,2-Dichloropropane
Concen: 20.146 ug/l
RT: 7.434 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 63 Resp: 2010

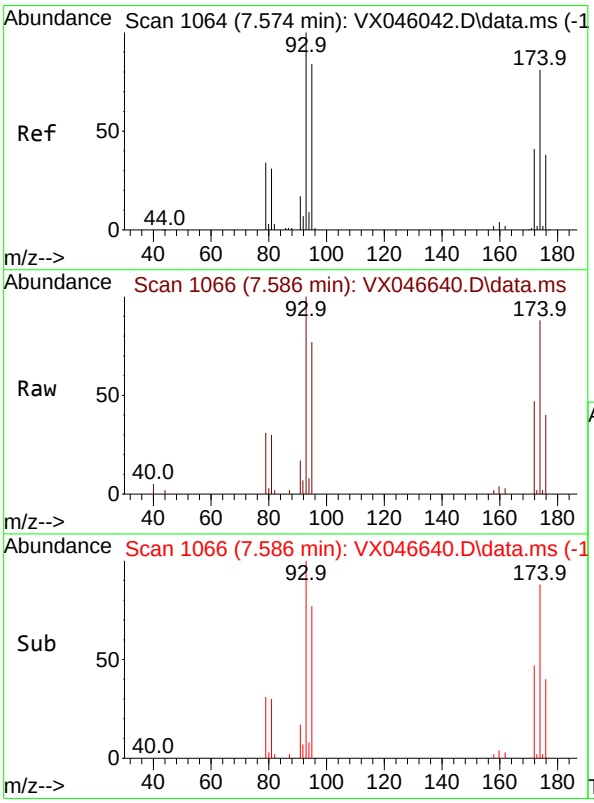
Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

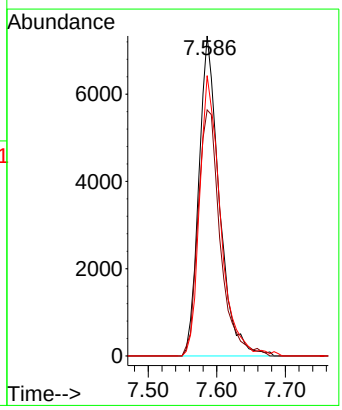
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

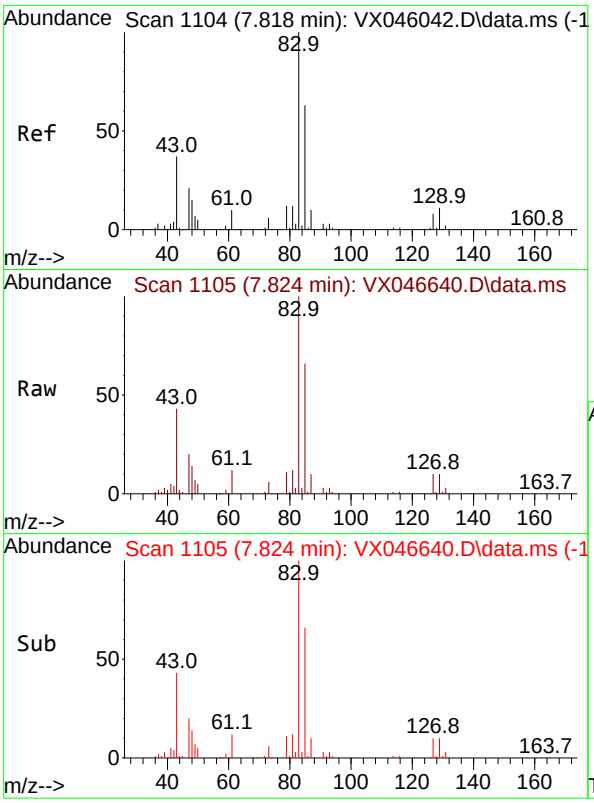


#46
Dibromomethane
Concen: 20.275 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 93 Resp: 15221

Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.6	98.4
174	89.5	68.2	102.2

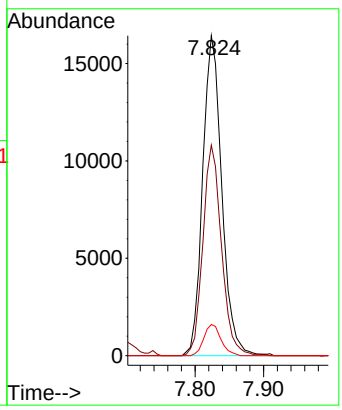




#47
Bromodichloromethane
Concen: 20.694 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 83 Resp: 3194

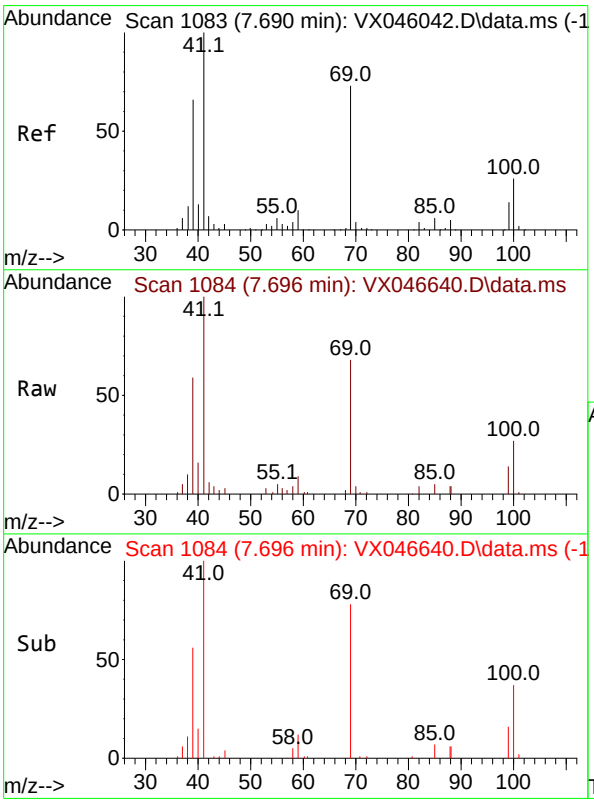
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.5	75.7
127	9.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

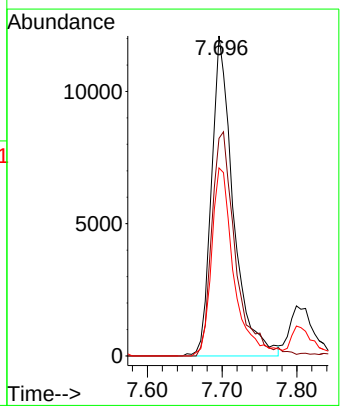
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

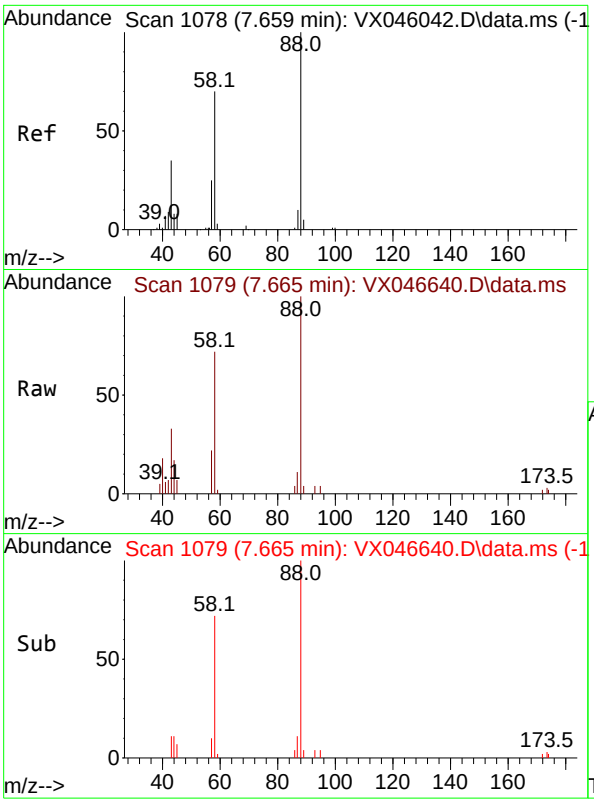


#48
Methyl methacrylate
Concen: 20.349 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 41 Resp: 24465

Ion	Ratio	Lower	Upper
41	100		
69	76.7	58.5	87.7
39	60.4	51.7	77.5





#49
1,4-Dioxane
Concen: 404.966 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

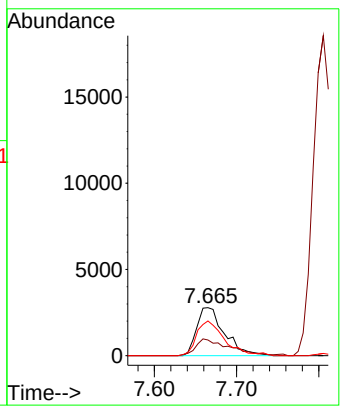
Tgt Ion: 88 Resp: 651

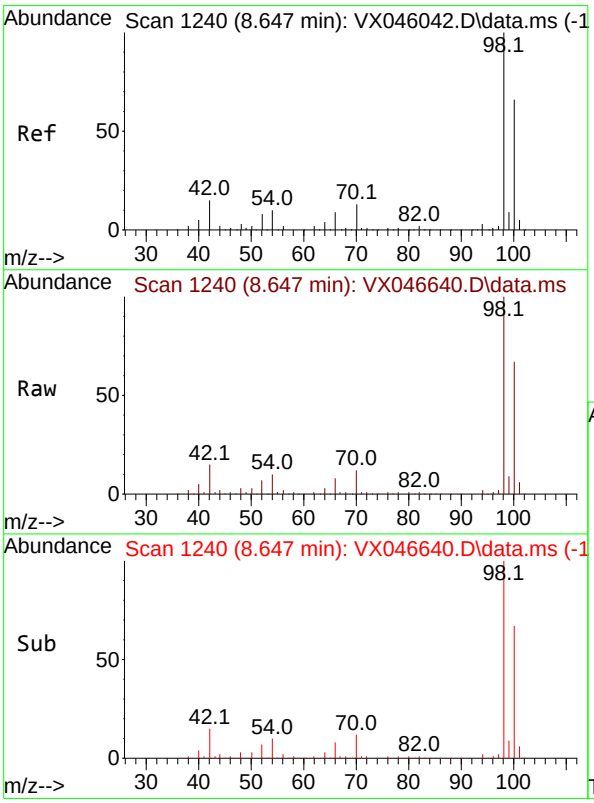
Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.4	50.2
58	73.0	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

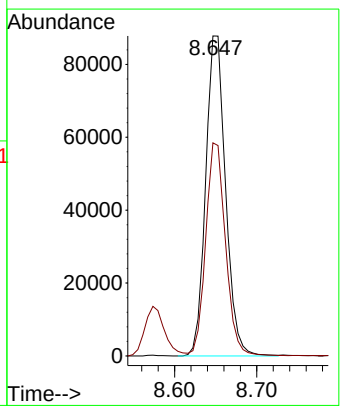


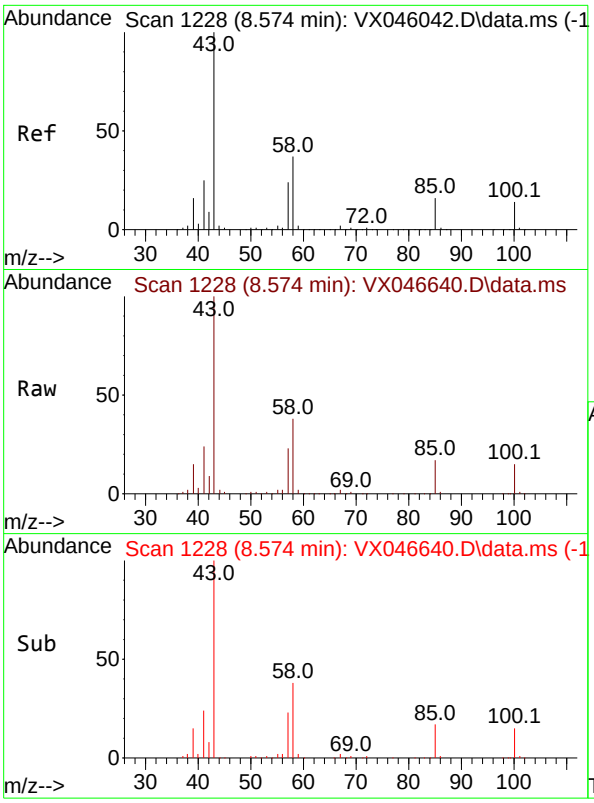


#50
Toluene-d8
Concen: 46.543 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 98 Resp: 147531

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3

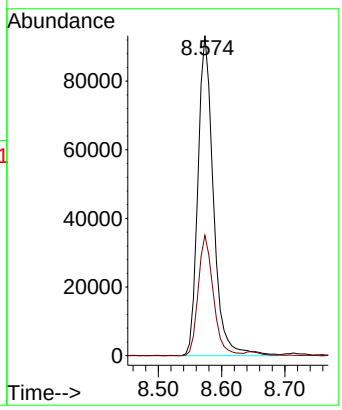




#51
4-Methyl-2-Pentanone
Concen: 107.344 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 15939

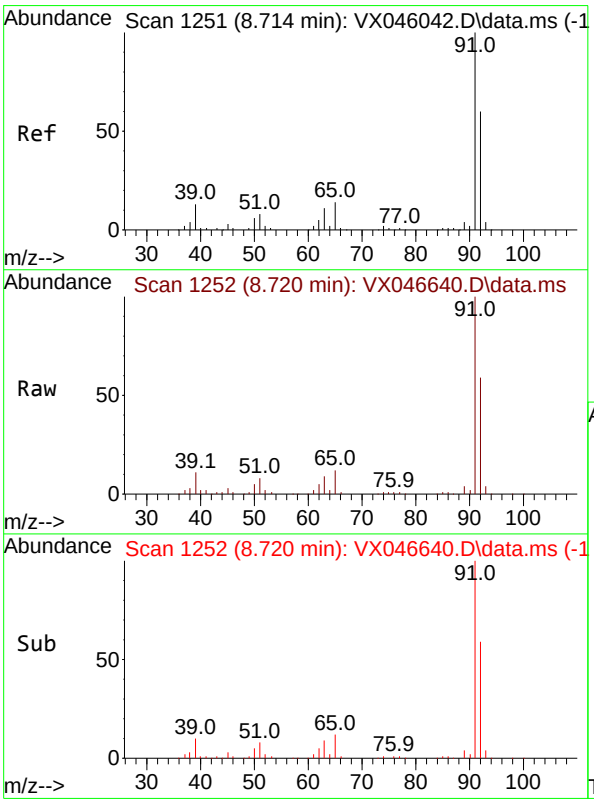
Ion	Ratio	Lower	Upper
43	100		
58	36.8	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations APPROVED

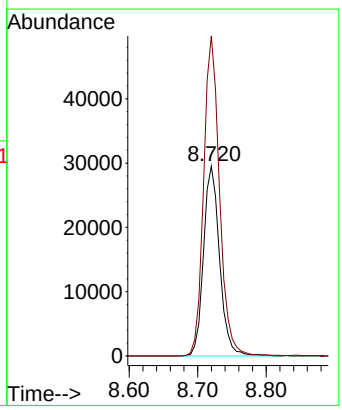
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

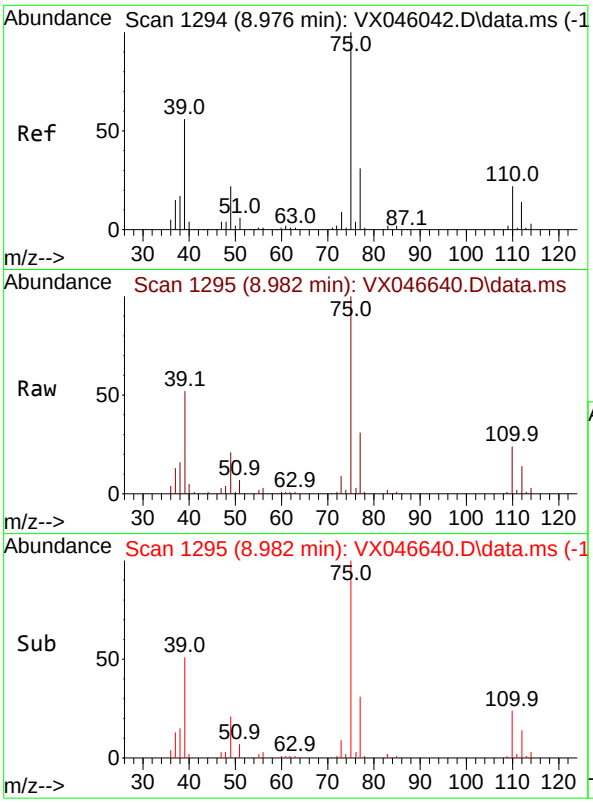


#52
Toluene
Concen: 20.231 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 92 Resp: 48054

Ion	Ratio	Lower	Upper
92	100		
91	167.6	136.6	205.0

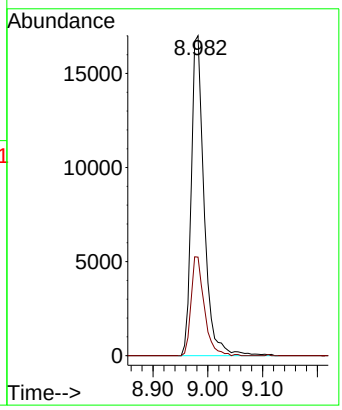




#53
t-1,3-Dichloropropene
Concen: 20.103 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 2782

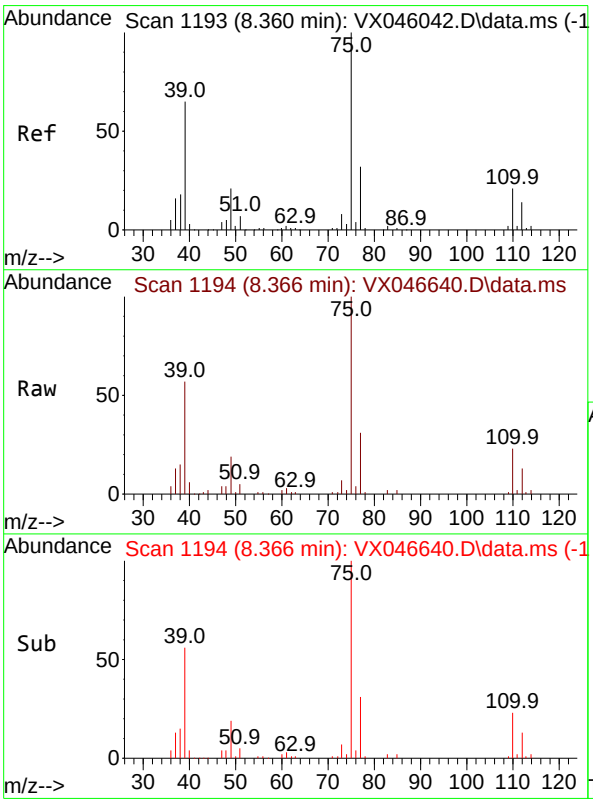
Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

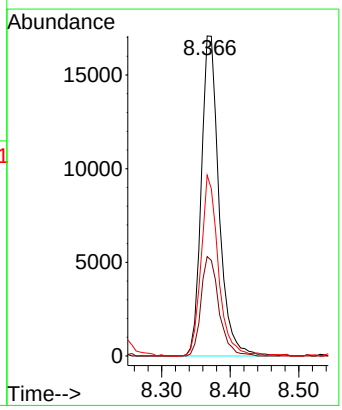
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

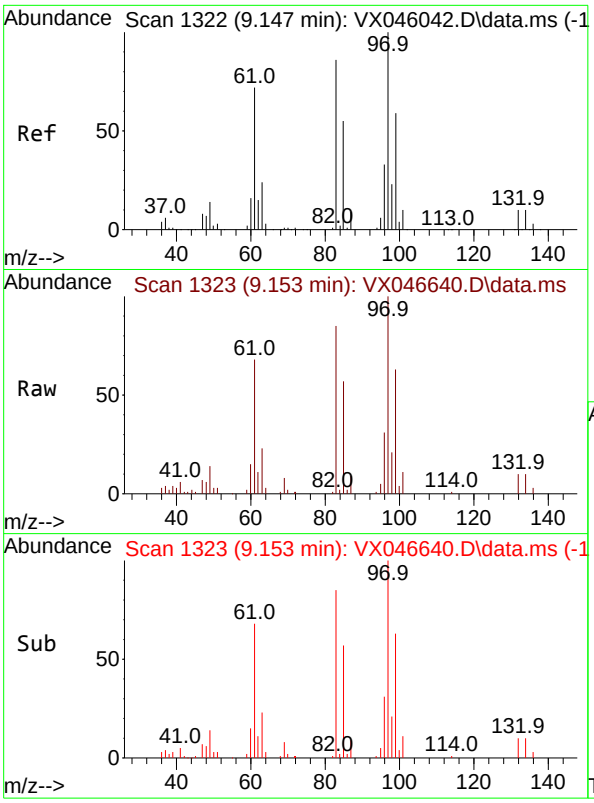


#54
cis-1,3-Dichloropropene
Concen: 19.963 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 30720

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	56.5	52.2	78.4

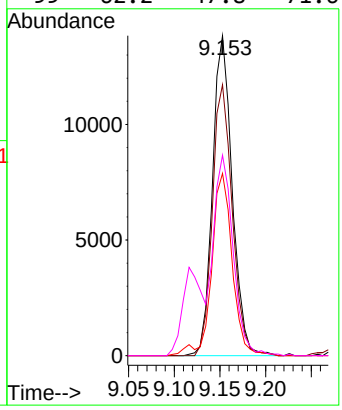




#55
1,1,2-Trichloroethane
Concen: 21.755 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 97 Resp: 2074

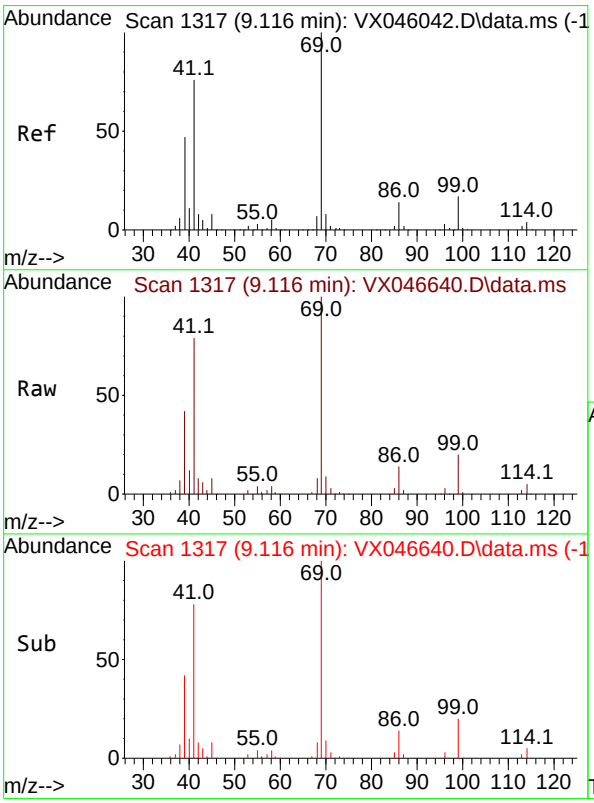
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.0	103.6
85	57.0	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

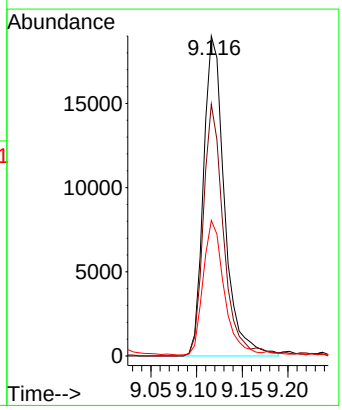
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

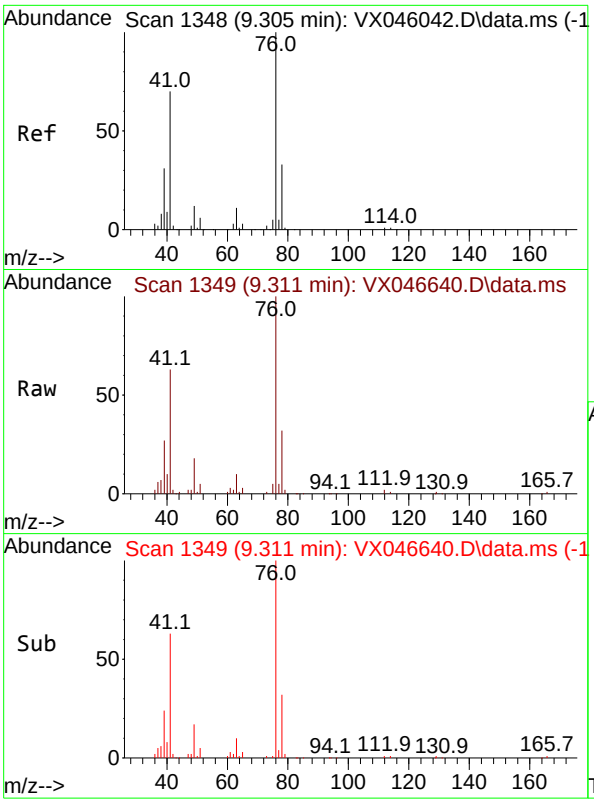


#56
Ethyl methacrylate
Concen: 20.621 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 69 Resp: 30259

Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.8	91.2
39	43.0	39.0	58.6

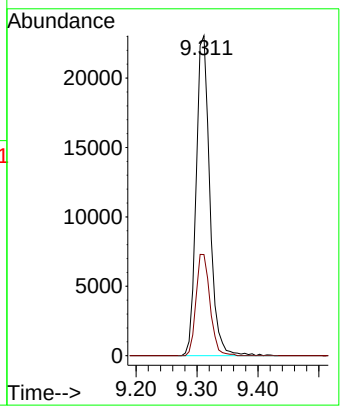




#57
1,3-Dichloropropane
Concen: 21.214 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 76 Resp: 3574

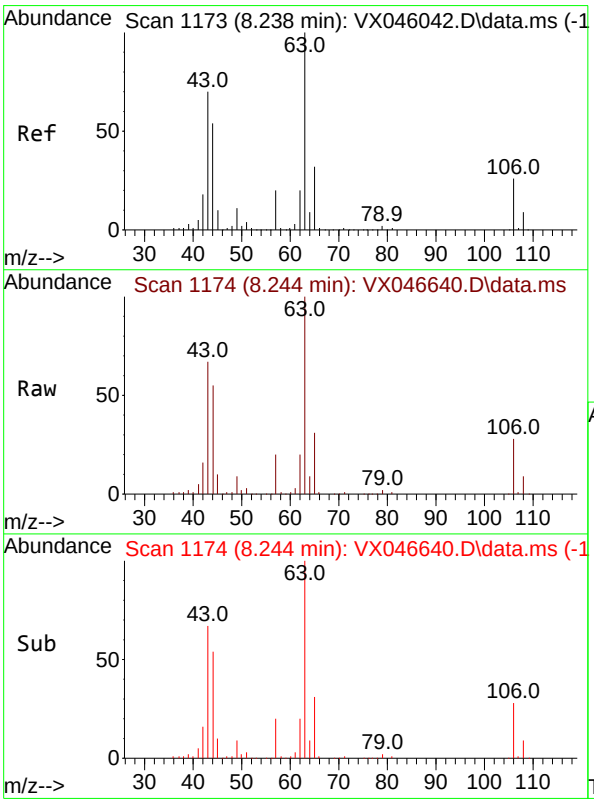
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

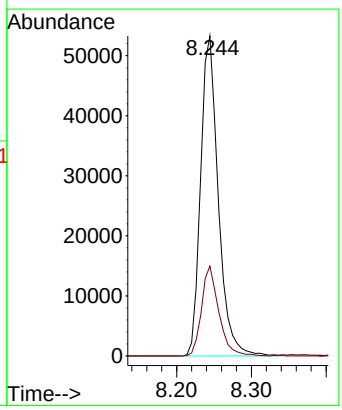
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

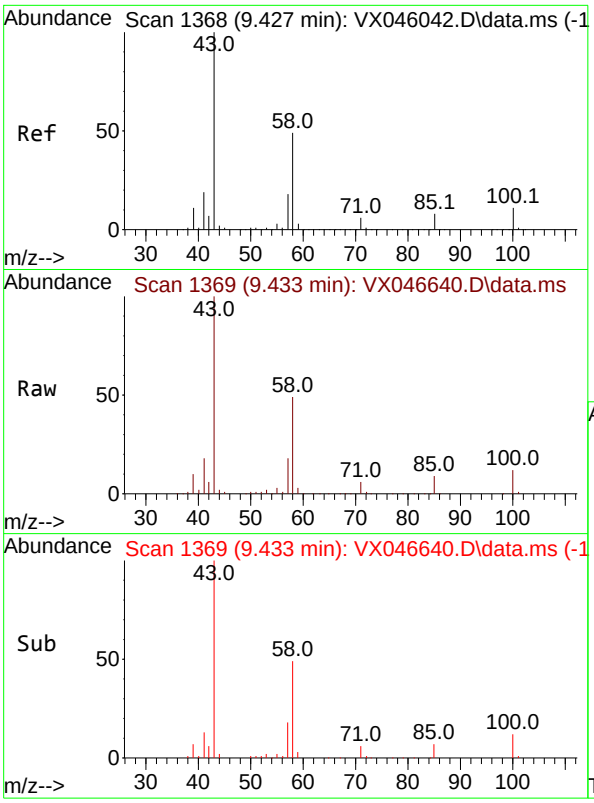


#58
2-Chloroethyl Vinyl ether
Concen: 109.363 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 63 Resp: 87410

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3

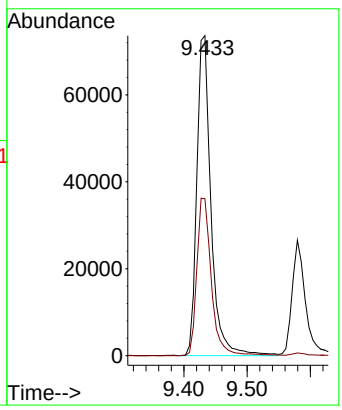




#59
2-Hexanone
Concen: 108.033 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 11505

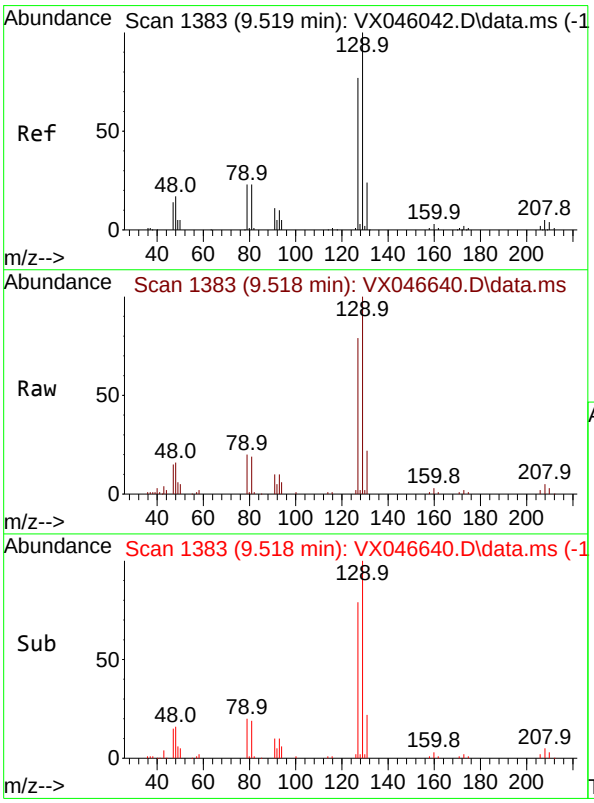
Ion	Ratio	Lower	Upper
43	100		
58	50.5	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

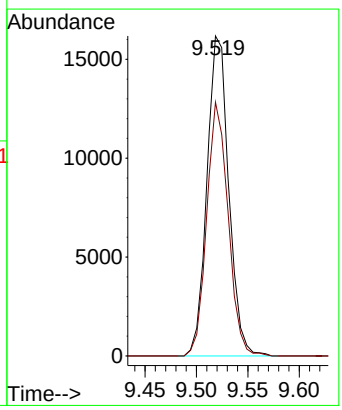
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

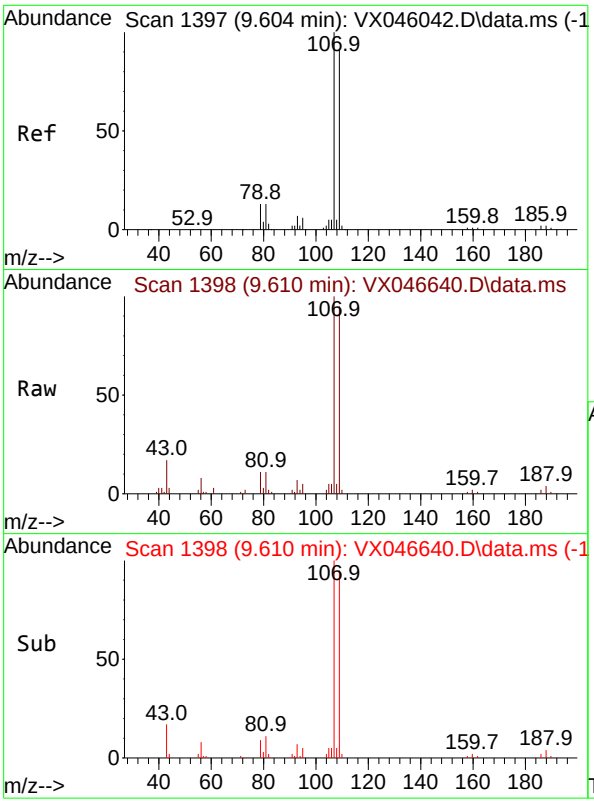


#60
Dibromochloromethane
Concen: 21.317 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:129 Resp: 23909

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8

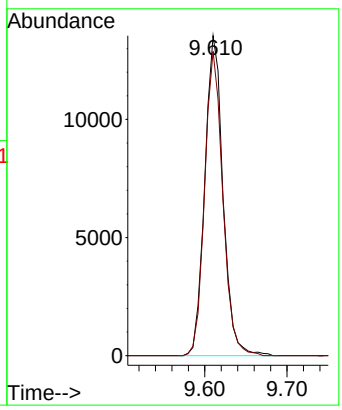




#61
1,2-Dibromoethane
Concen: 21.049 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:107 Resp: 2091

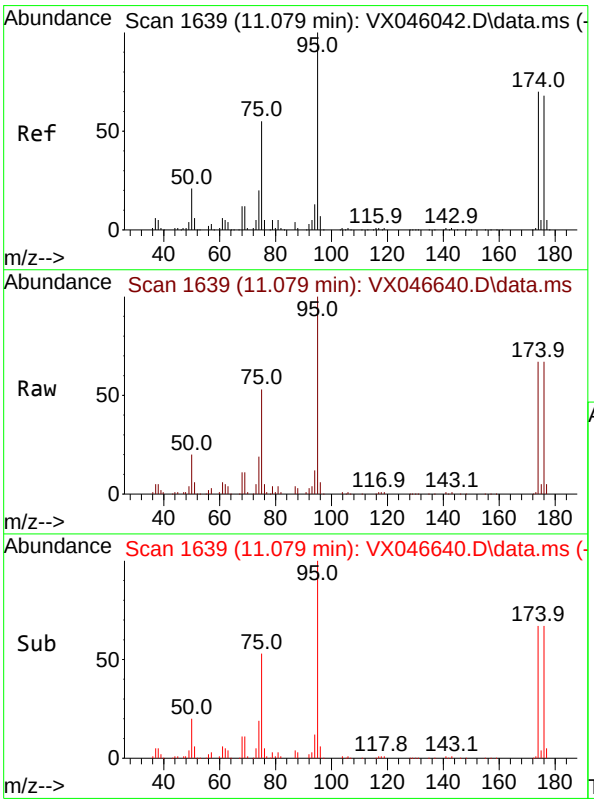
Ion	Ratio	Lower	Upper
107	100		
109	94.3	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

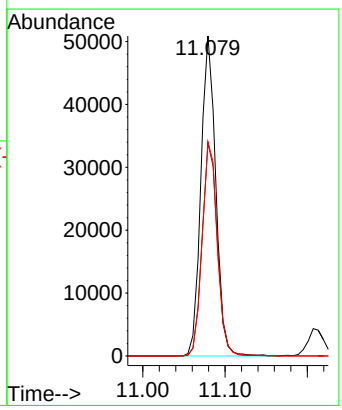
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

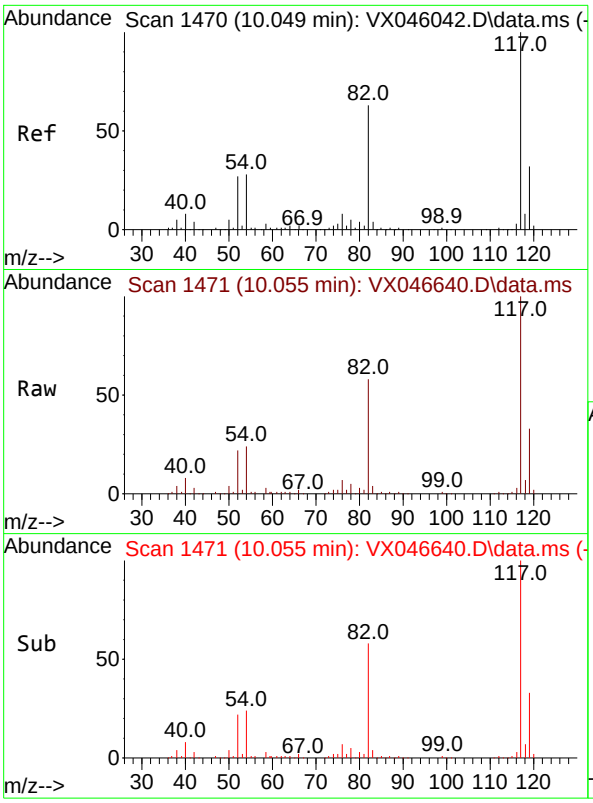


#62
4-Bromofluorobenzene
Concen: 48.723 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 95 Resp: 63899

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	67.9	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

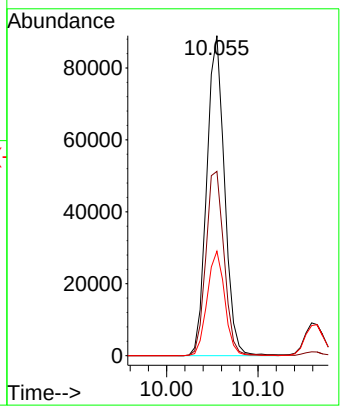
Tgt Ion:117 Resp: 11982

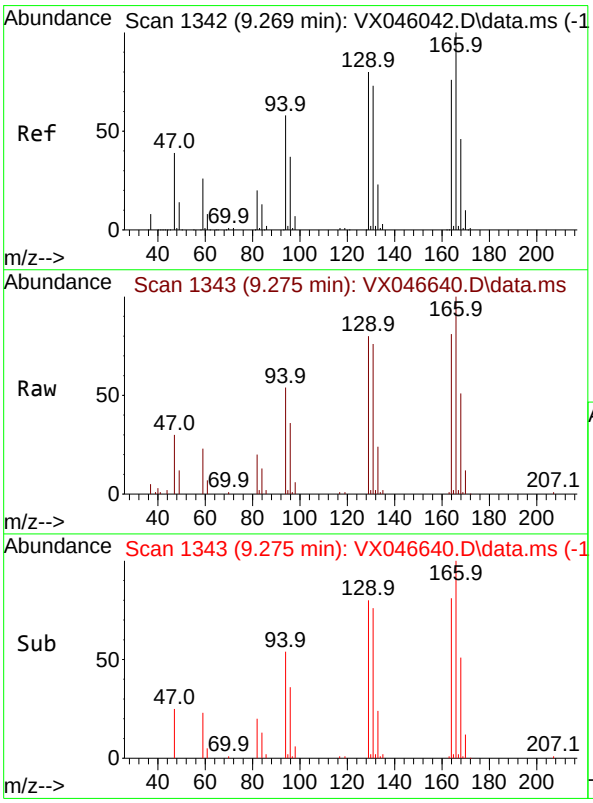
Ion	Ratio	Lower	Upper
117	100		
82	57.6	50.6	76.0
119	32.7	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

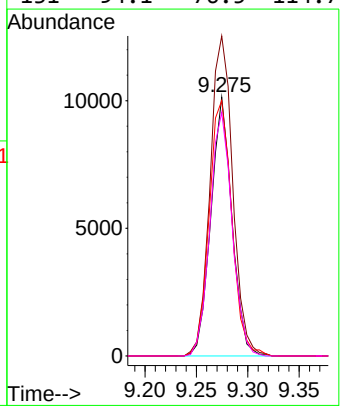


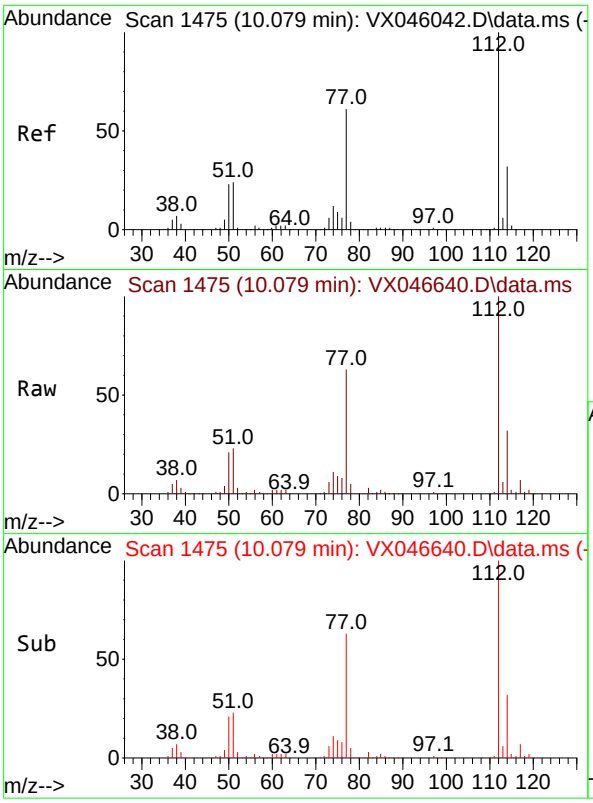


#64
Tetrachloroethene
Concen: 17.993 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:164 Resp: 14417

Ion	Ratio	Lower	Upper
164	100		
166	123.7	105.0	157.6
129	98.7	83.5	125.3
131	94.1	76.5	114.7





#65
Chlorobenzene
Concen: 19.463 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

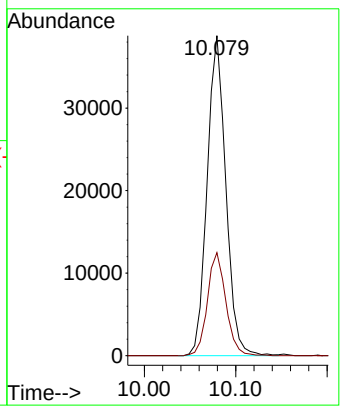
Tgt Ion:112 Resp: 5485

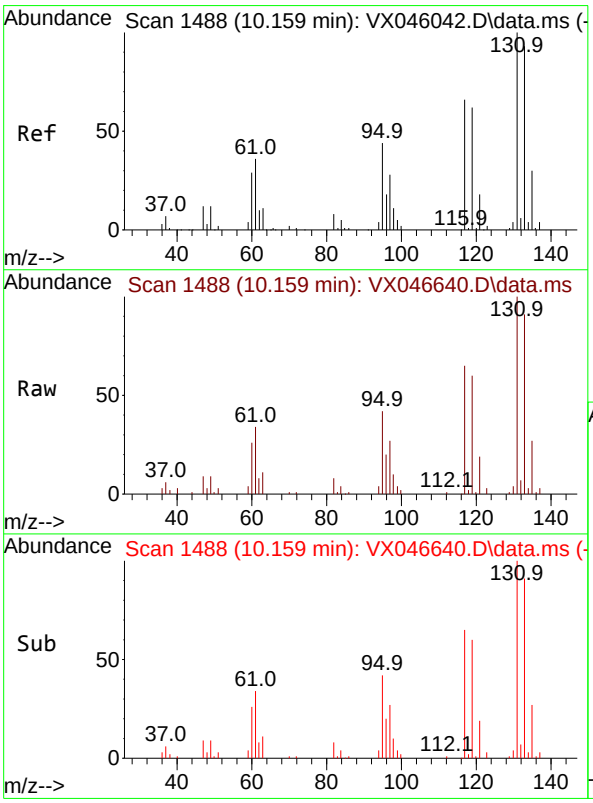
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

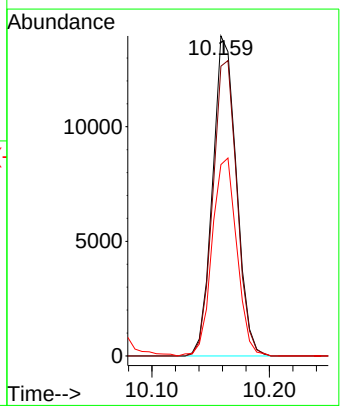


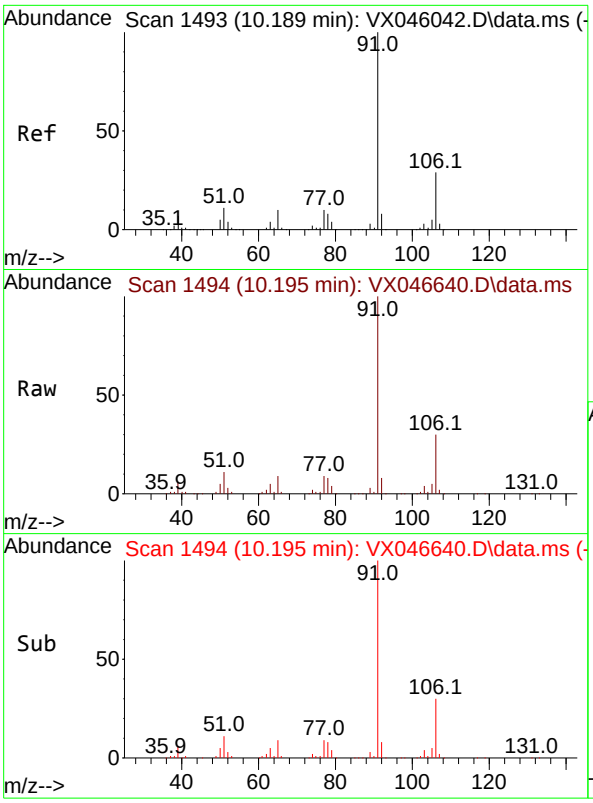


#66
1,1,1,2-Tetrachloroethane
Concen: 20.671 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:131 Resp: 19685

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	141.9
119	64.0	31.6	95.0





#67
Ethyl Benzene
Concen: 19.264 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

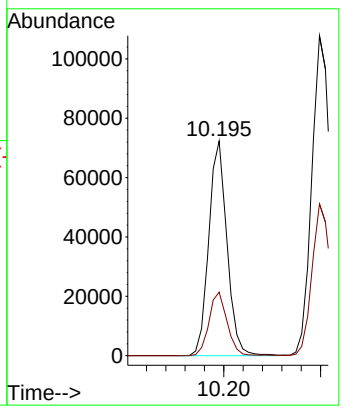
Tgt Ion: 91 Resp: 9477

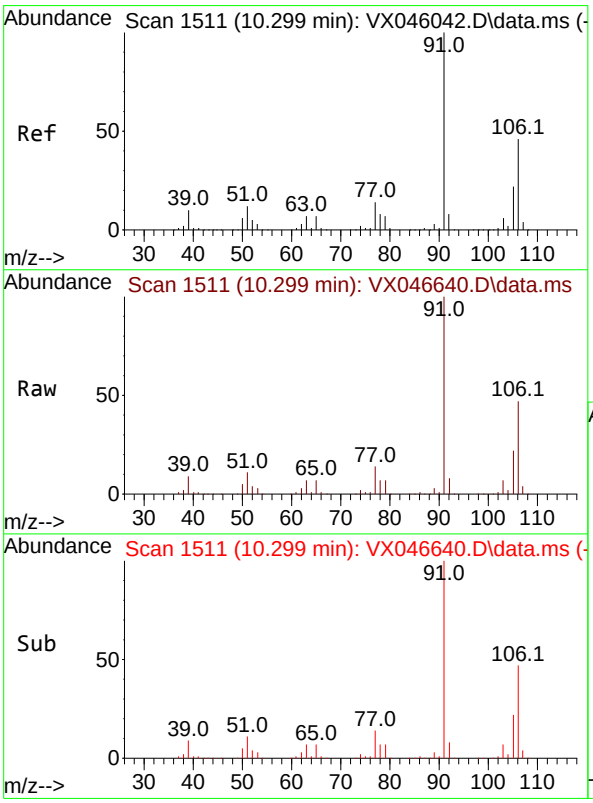
Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

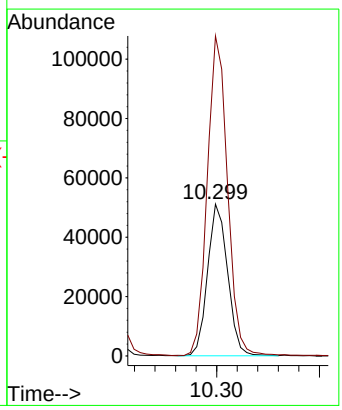


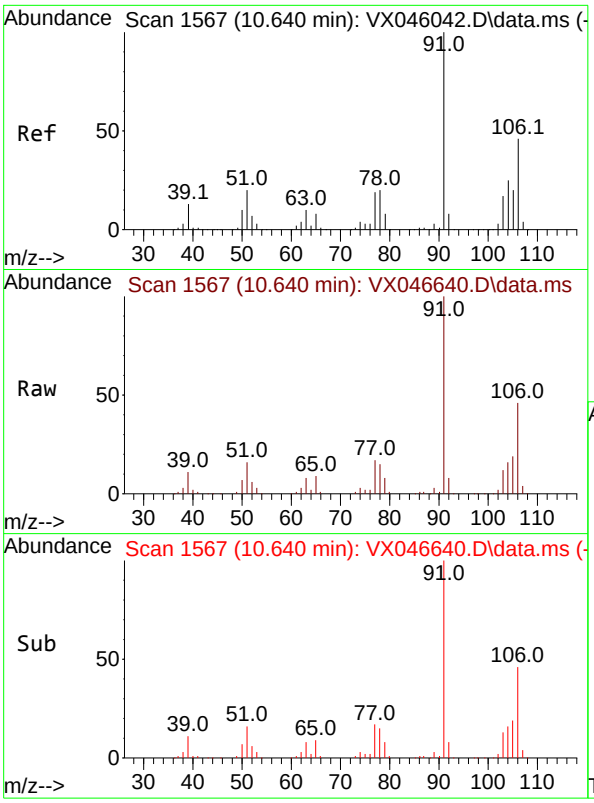


#68
m/p-Xylenes
Concen: 38.908 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:106 Resp: 69436

Ion	Ratio	Lower	Upper
106	100		
91	214.4	171.2	256.8

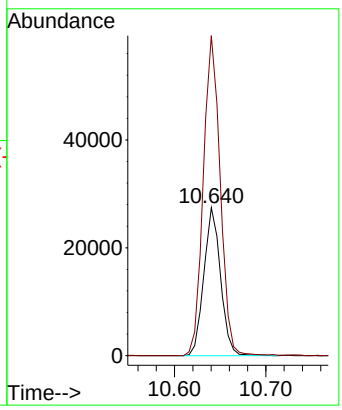




#69
o-Xylene
Concen: 20.145 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:106 Resp: 3477

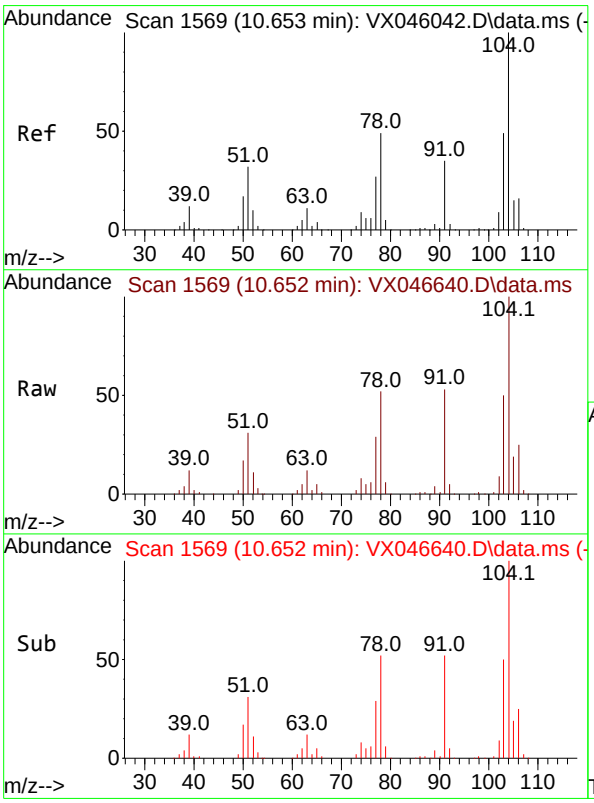
Ion	Ratio	Lower	Upper
106	100		
91	219.0	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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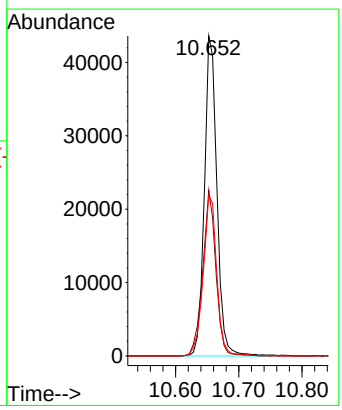
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

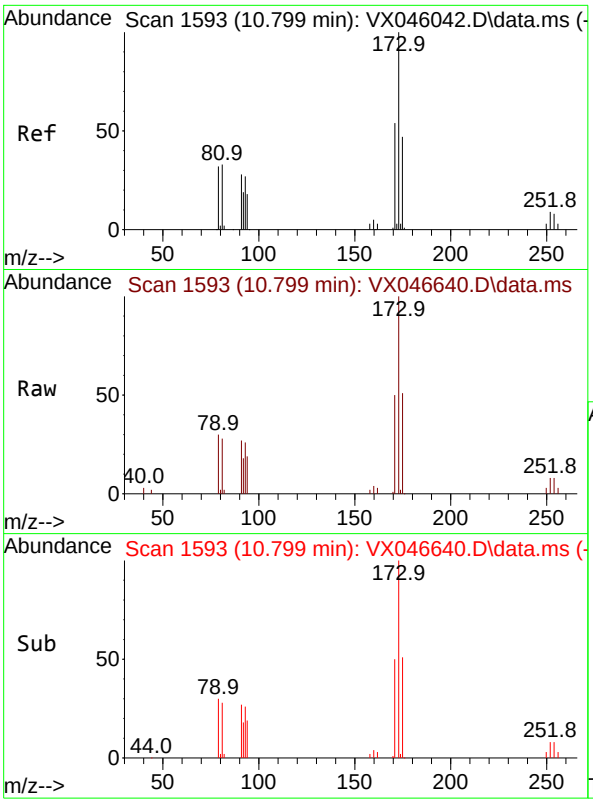


#70
Styrene
Concen: 20.417 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:104 Resp: 60329

Ion	Ratio	Lower	Upper
104	100		
78	54.4	45.7	68.5
103	54.4	43.7	65.5

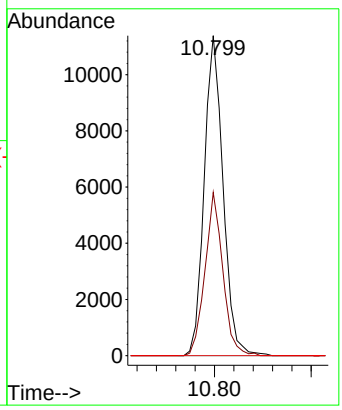




#71
Bromoform
Concen: 21.255 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

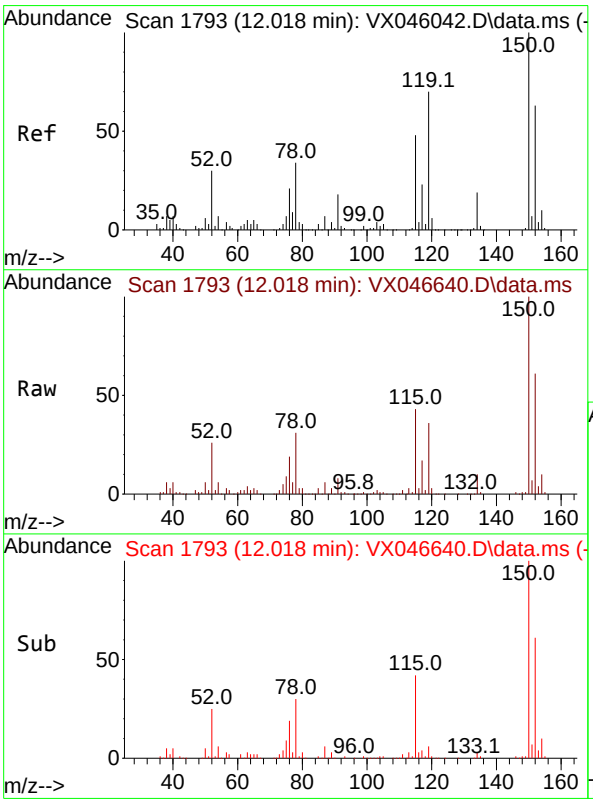
Tgt Ion:173 Resp: 1543

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

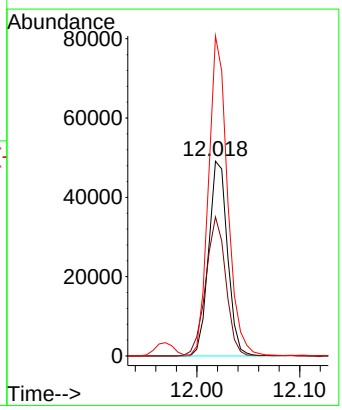
Manual Integrations APPROVED
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

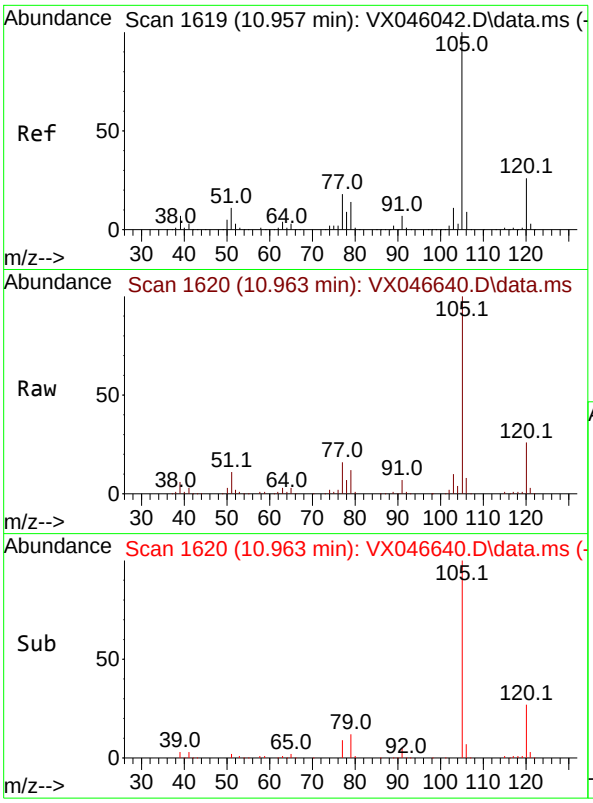


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:152 Resp: 62816

Ion	Ratio	Lower	Upper
152	100		
115	75.8	46.9	140.7
150	164.3	0.0	351.0

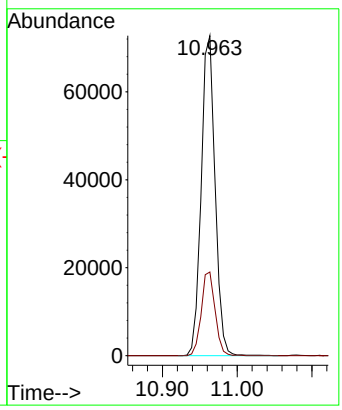




#73
Isopropylbenzene
Concen: 18.967 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:105 Resp: 9365

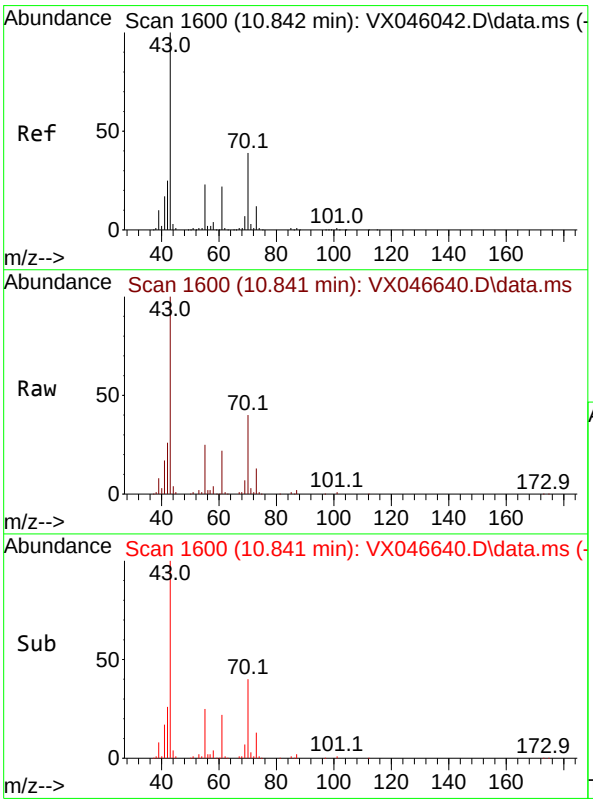
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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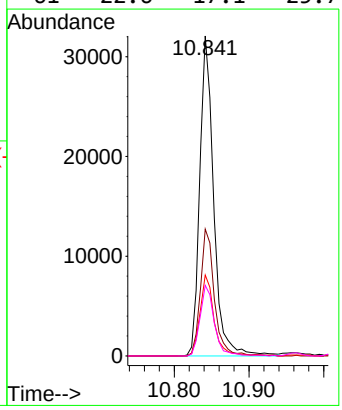
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

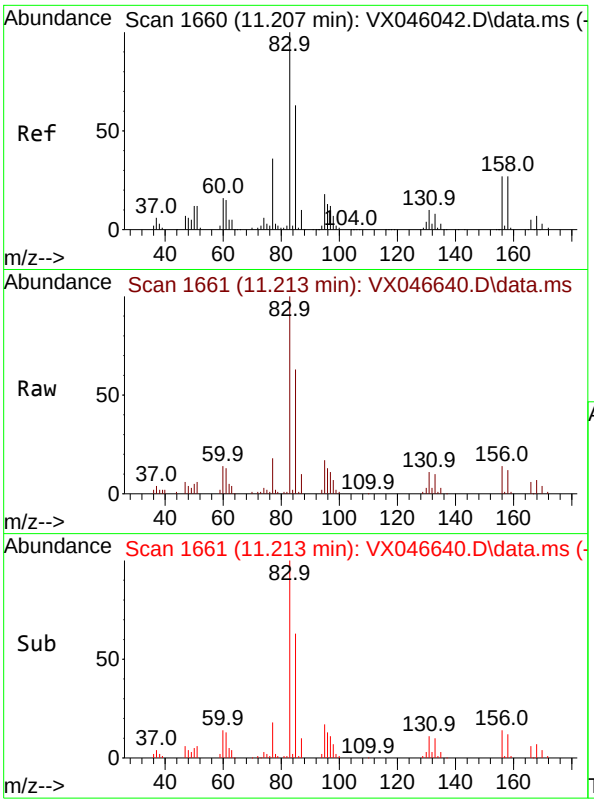


#74
N-amyl acetate
Concen: 19.174 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 43 Resp: 41695

Ion	Ratio	Lower	Upper
43	100		
70	39.7	30.9	46.3
55	25.6	18.7	28.1
61	22.6	17.1	25.7

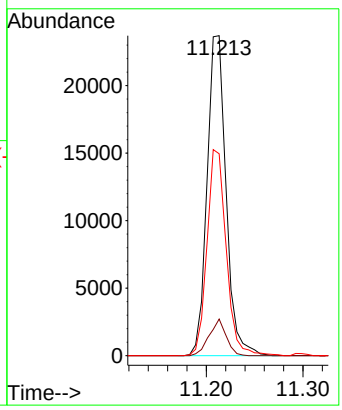




#75
1,1,2,2-Tetrachloroethane
Concen: 20.514 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 83 Resp: 3242

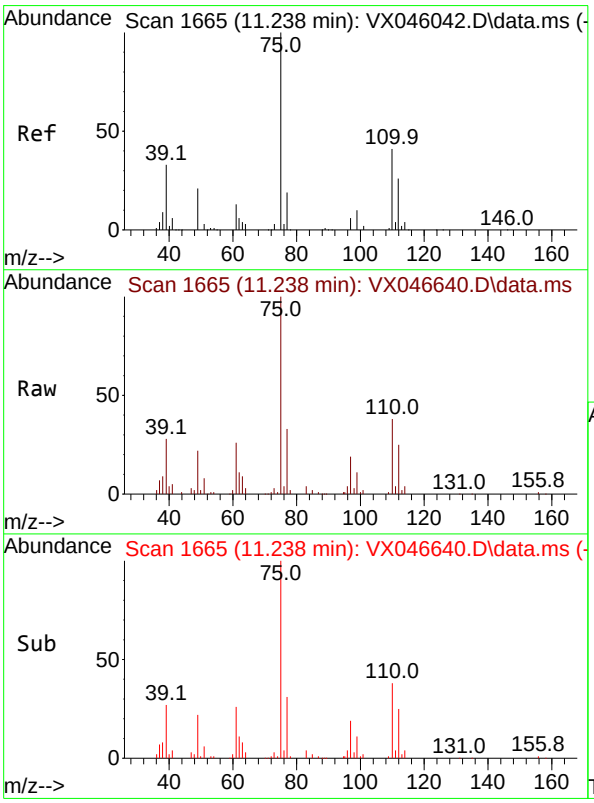
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	65.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

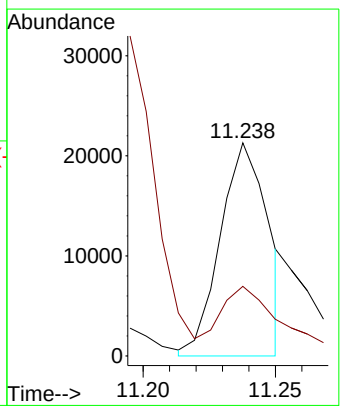
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

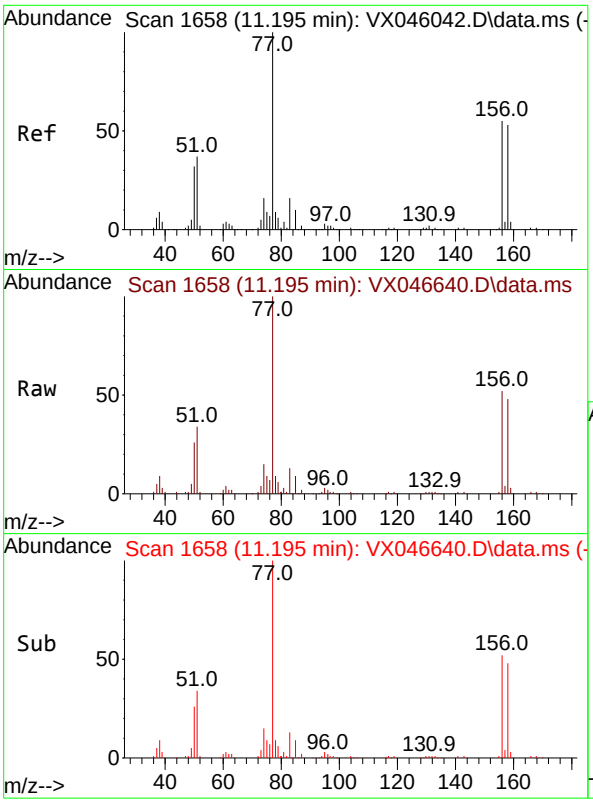


#76
1,2,3-Trichloropropane
Concen: 20.136 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 26792

Ion	Ratio	Lower	Upper
75	100		
77	43.2	20.5	61.5

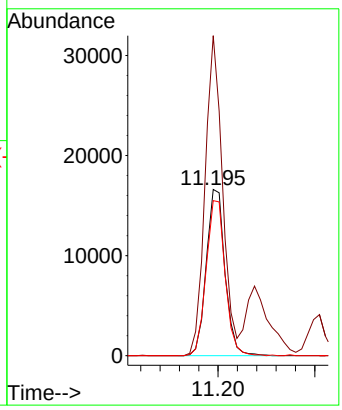




#77
Bromobenzene
Concen: 19.505 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:156 Resp: 2235

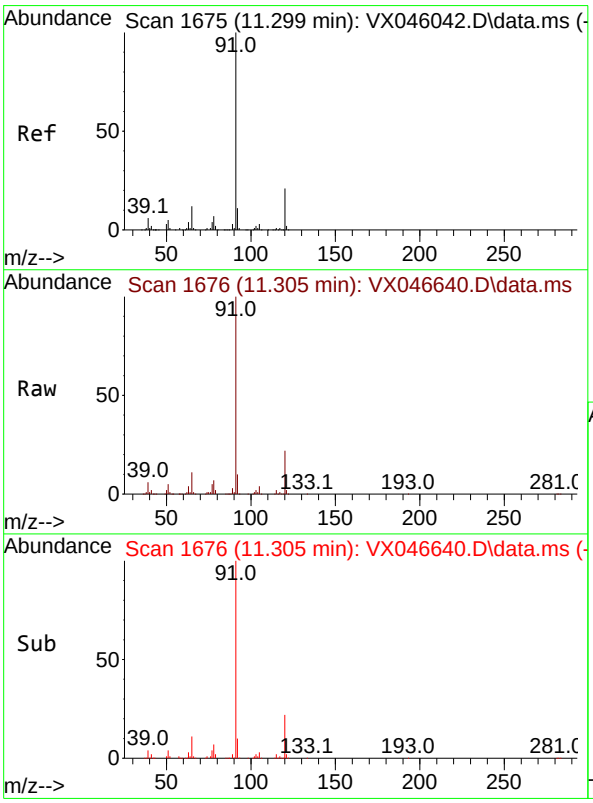
Ion	Ratio	Lower	Upper
156	100		
77	179.1	92.8	278.3
158	94.8	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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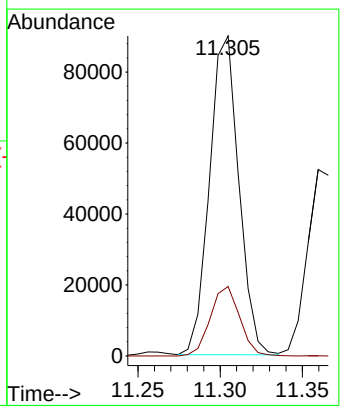
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

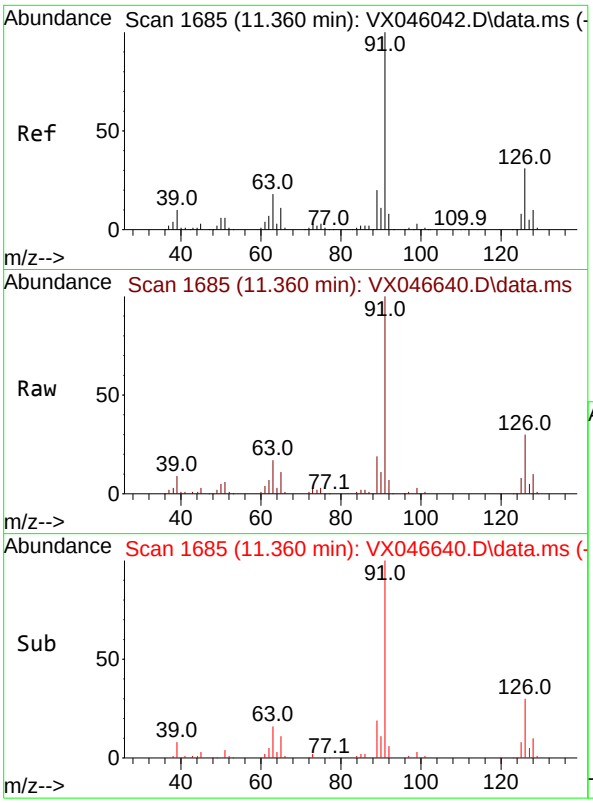


#78
n-propylbenzene
Concen: 18.675 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 91 Resp: 111616

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

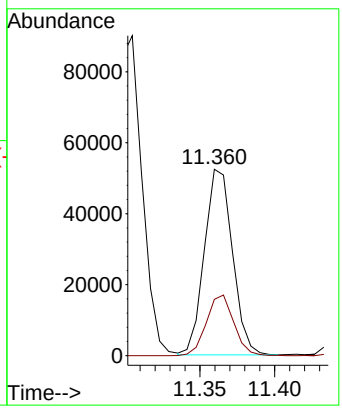




#79
2-Chlorotoluene
Concen: 19.024 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 91 Resp: 6856

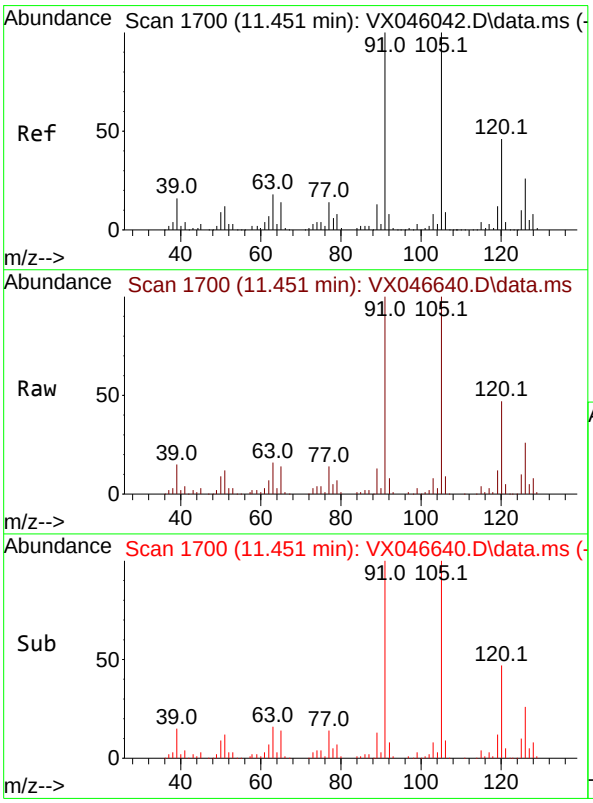
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
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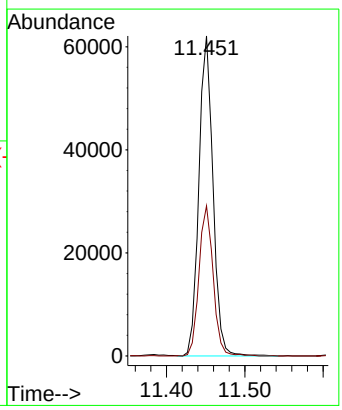
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

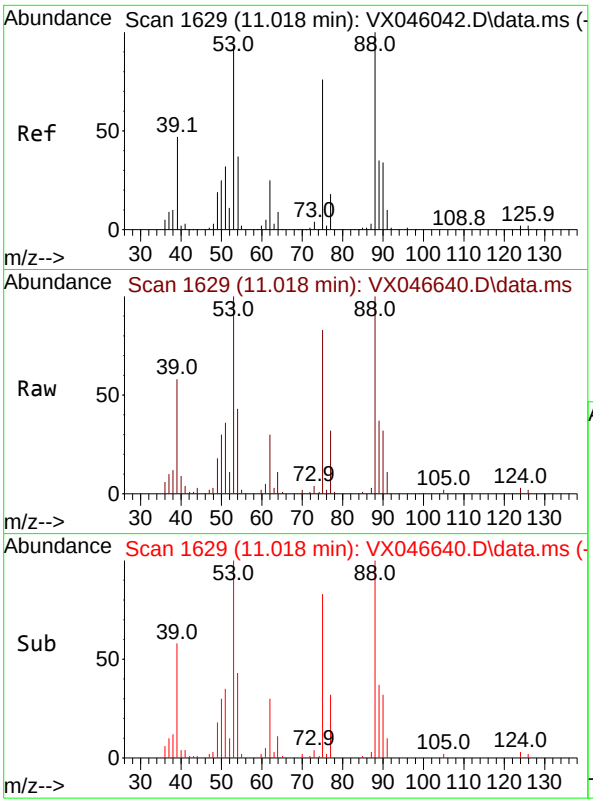


#80
1,3,5-Trimethylbenzene
Concen: 18.858 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:105 Resp: 77599

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.1	69.2

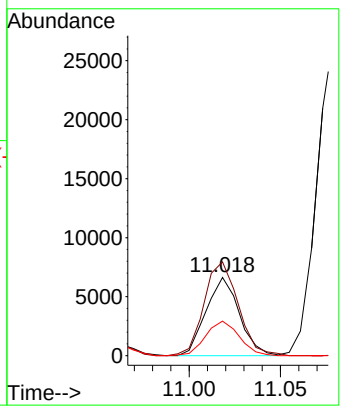




#81
trans-1,4-Dichloro-2-butene
Concen: 18.220 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 840

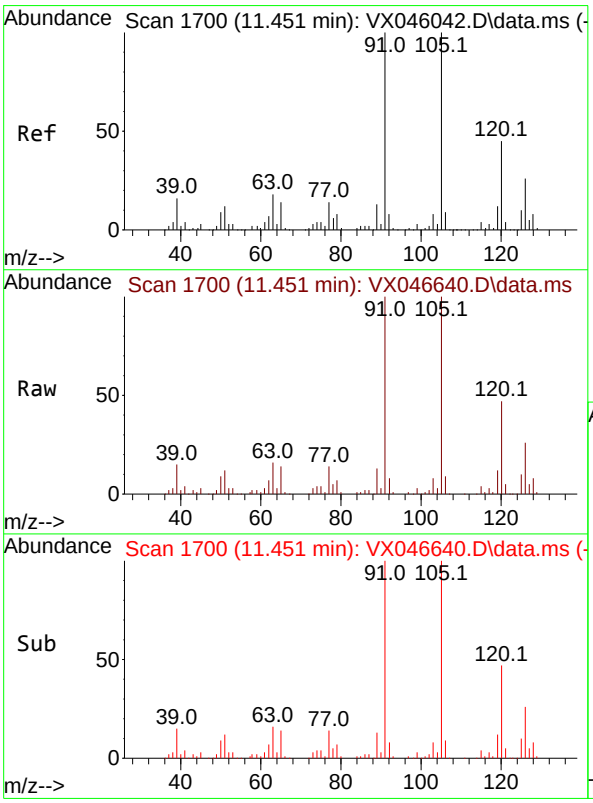
Ion	Ratio	Lower	Upper
75	100		
53	122.9	100.5	150.7
89	44.6	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

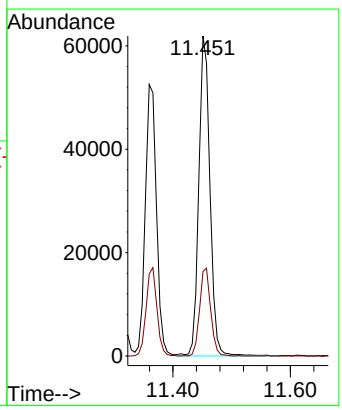
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

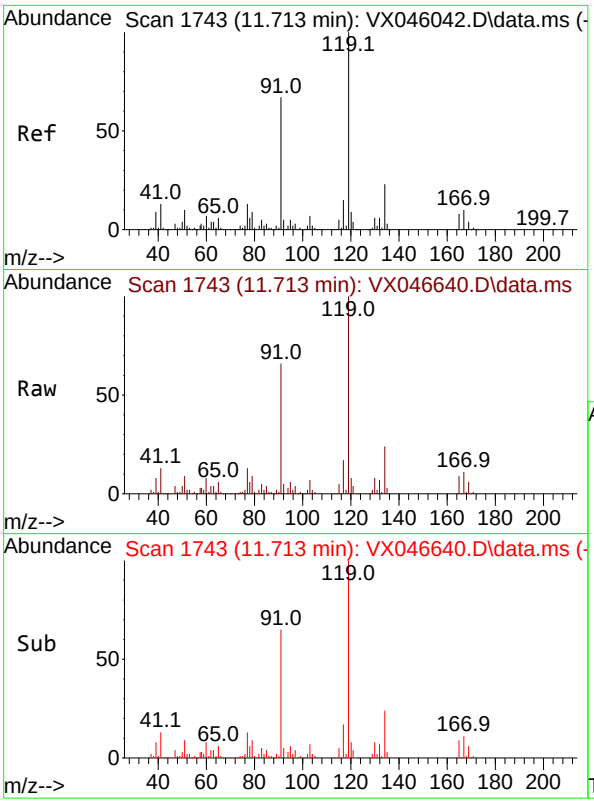


#82
4-Chlorotoluene
Concen: 19.119 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 91 Resp: 81676

Ion	Ratio	Lower	Upper
91	100		
126	27.0	13.3	39.8

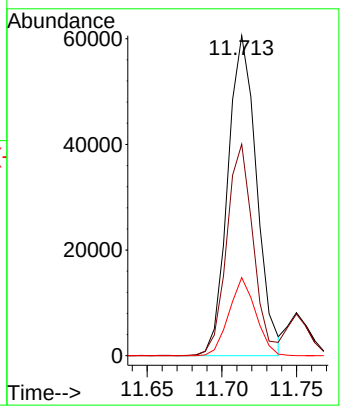




#83
tert-Butylbenzene
Concen: 19.305 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:119 Resp: 8086

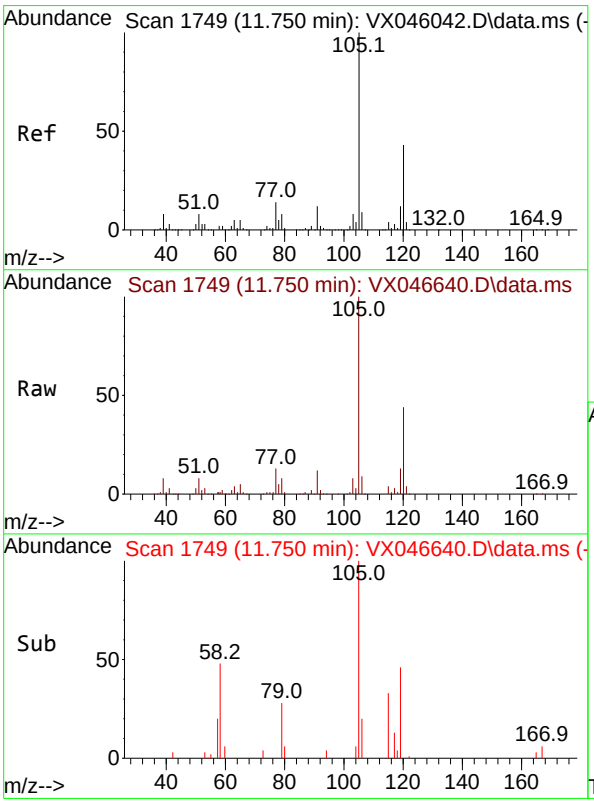
Ion	Ratio	Lower	Upper
119	100		
91	61.4	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

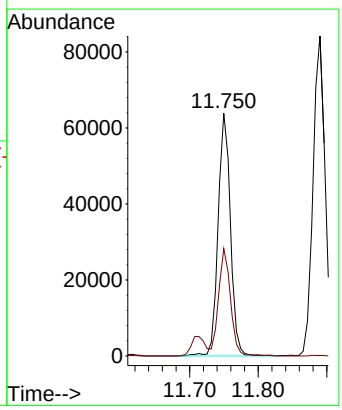
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

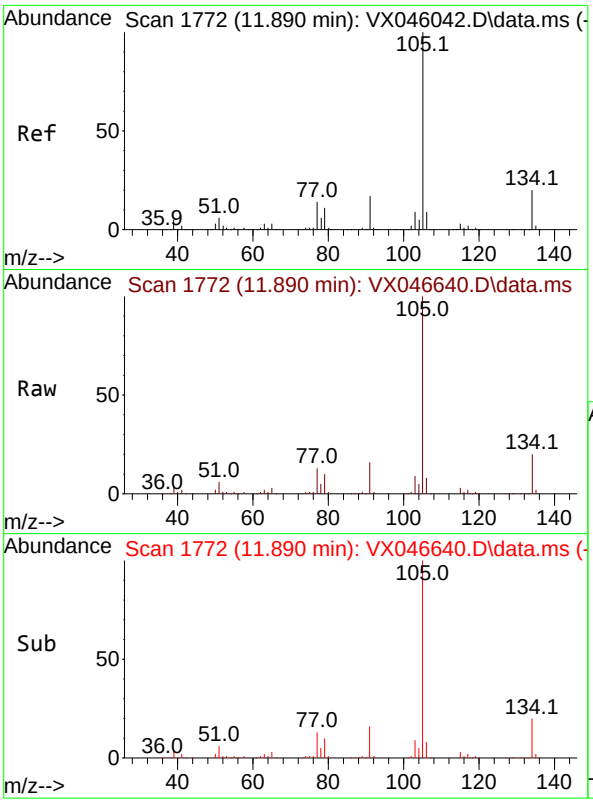


#84
1,2,4-Trimethylbenzene
Concen: 19.115 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:105 Resp: 79569

Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.2	63.6

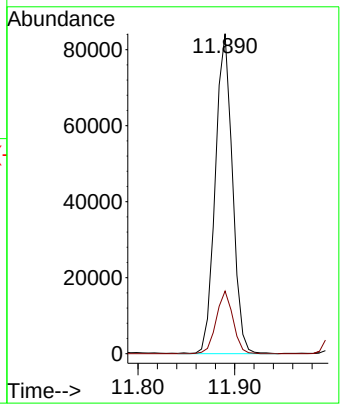




#85
sec-Butylbenzene
Concen: 19.228 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:105 Resp: 10348

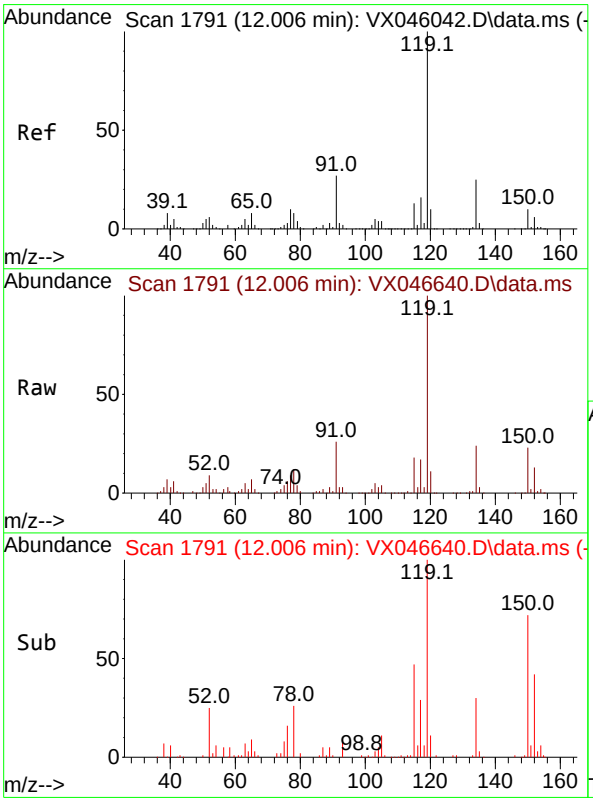
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

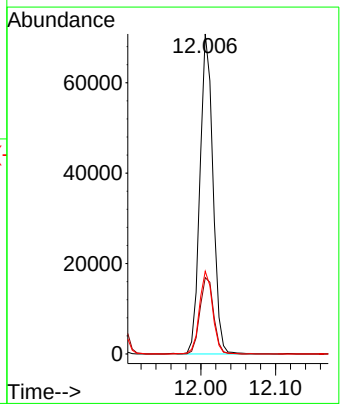
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

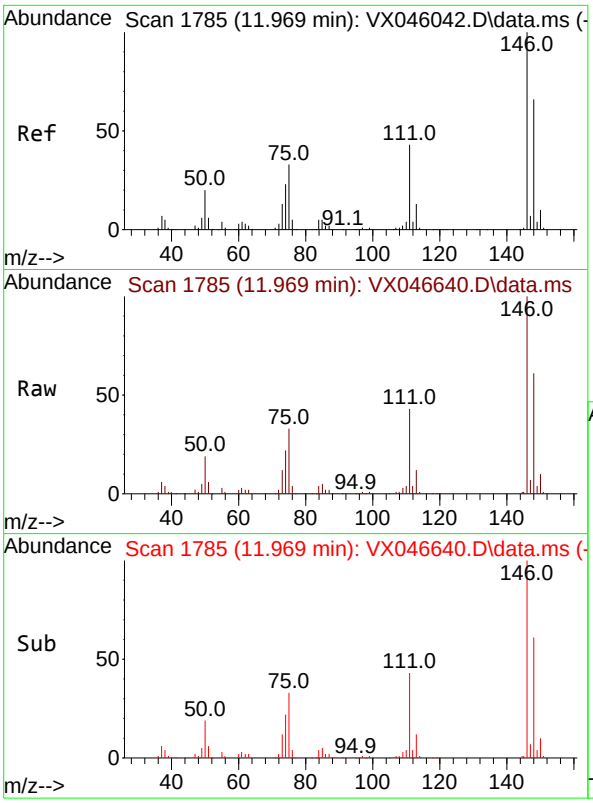


#86
p-Isopropyltoluene
Concen: 19.043 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:119 Resp: 85447

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	26.2	13.8	41.4

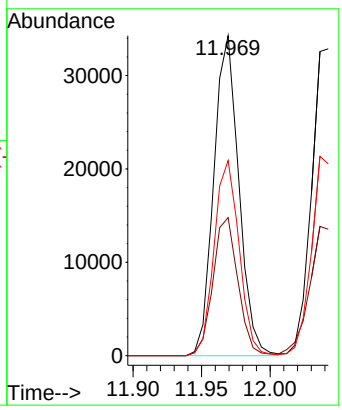




#87
1,3-Dichlorobenzene
Concen: 19.563 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:146 Resp: 4354

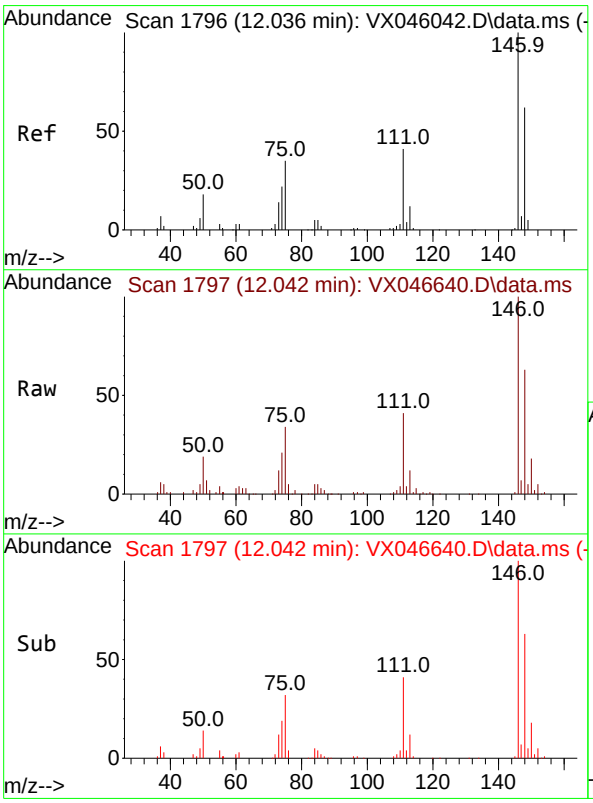
Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	60.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

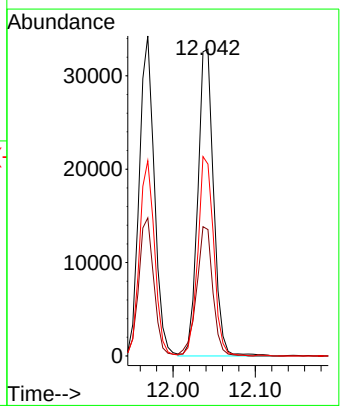
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

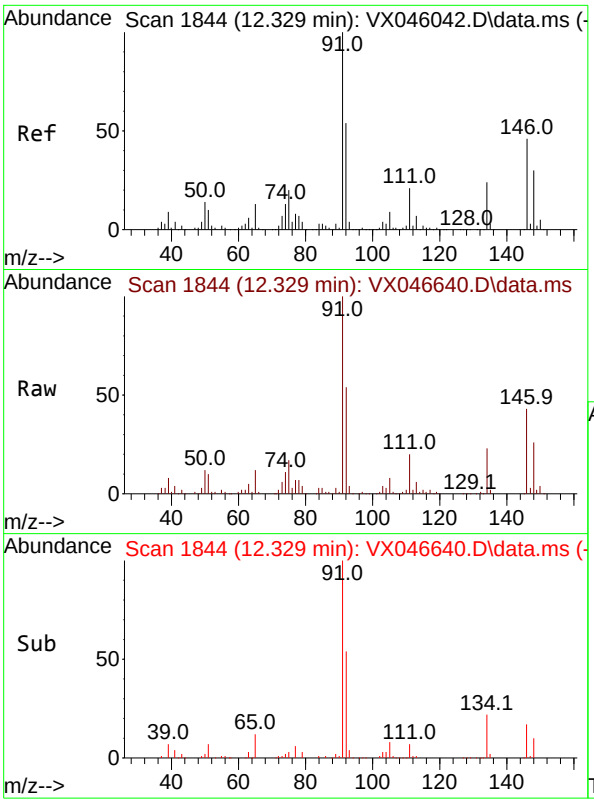


#88
1,4-Dichlorobenzene
Concen: 19.066 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:146 Resp: 43971

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.8	31.9	95.5

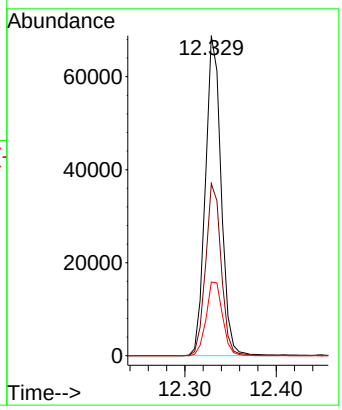




#89
n-Butylbenzene
Concen: 18.626 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 91 Resp: 8207

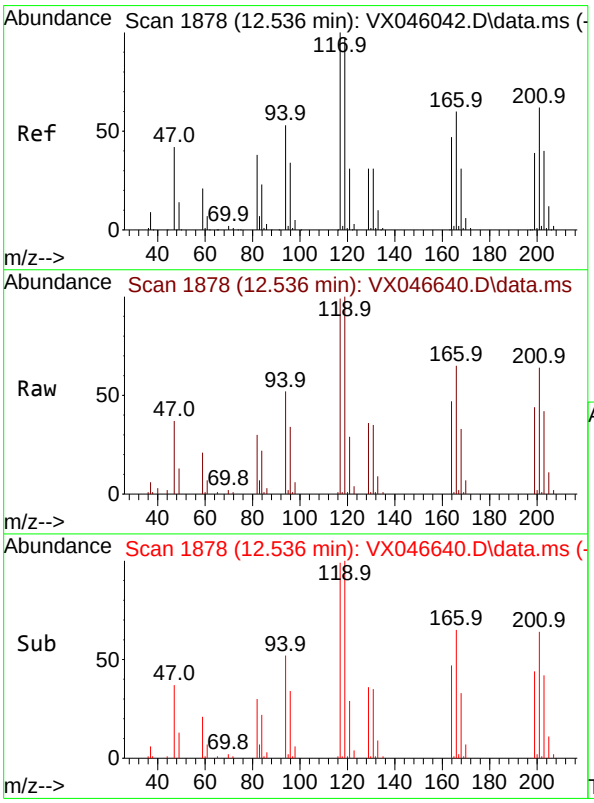
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

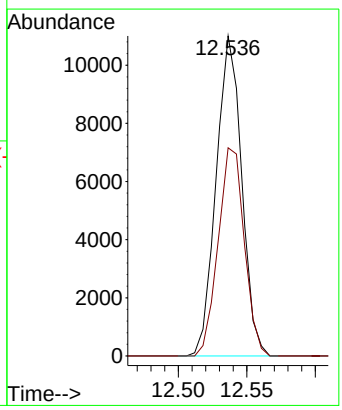
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

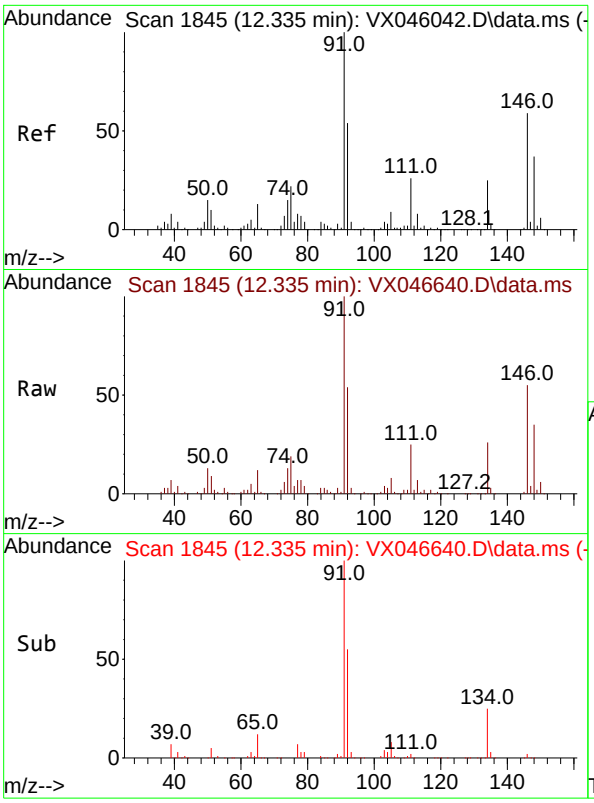


#90
Hexachloroethane
Concen: 17.849 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:117 Resp: 14235

Ion	Ratio	Lower	Upper
117	100		
201	66.7	31.6	94.7

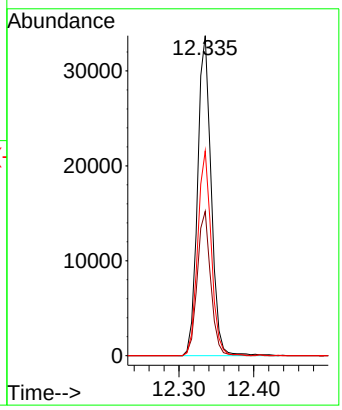




#91
1,2-Dichlorobenzene
Concen: 19.771 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:146 Resp: 4247

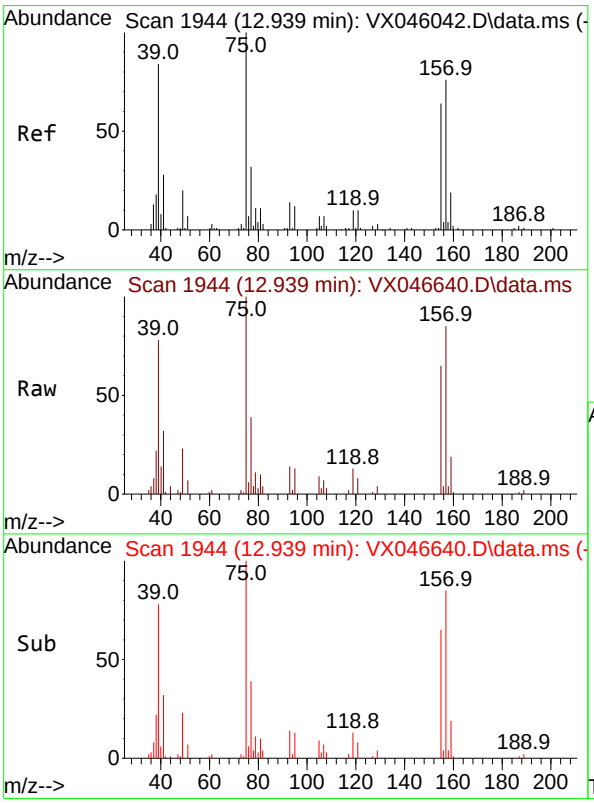
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.3
148	63.7	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

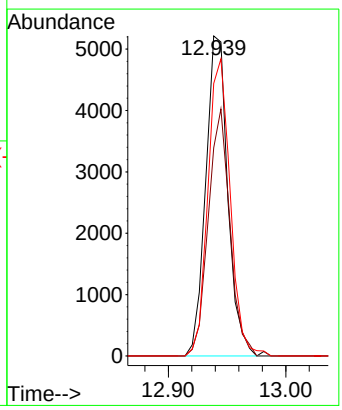
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

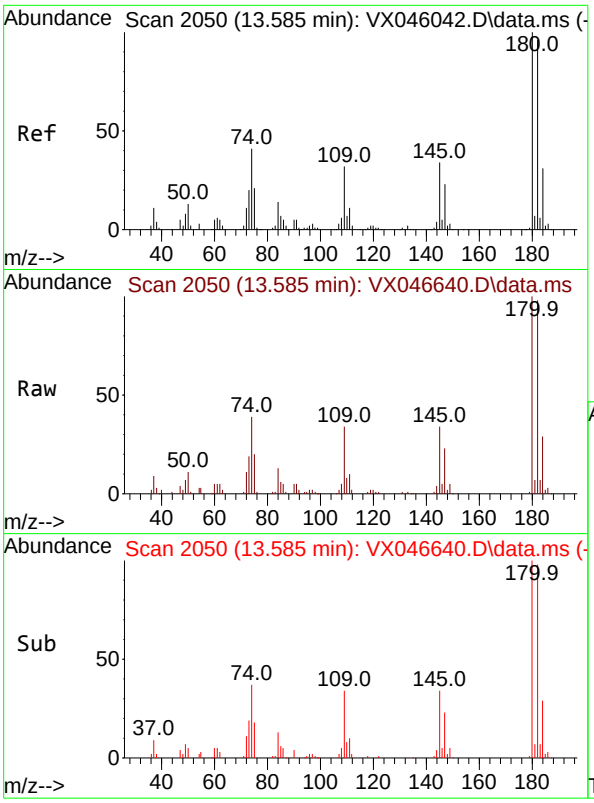


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.252 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion: 75 Resp: 6814

Ion	Ratio	Lower	Upper
75	100		
155	75.6	34.9	104.8
157	93.7	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 18.649 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

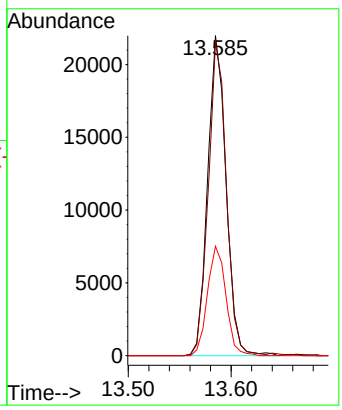
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

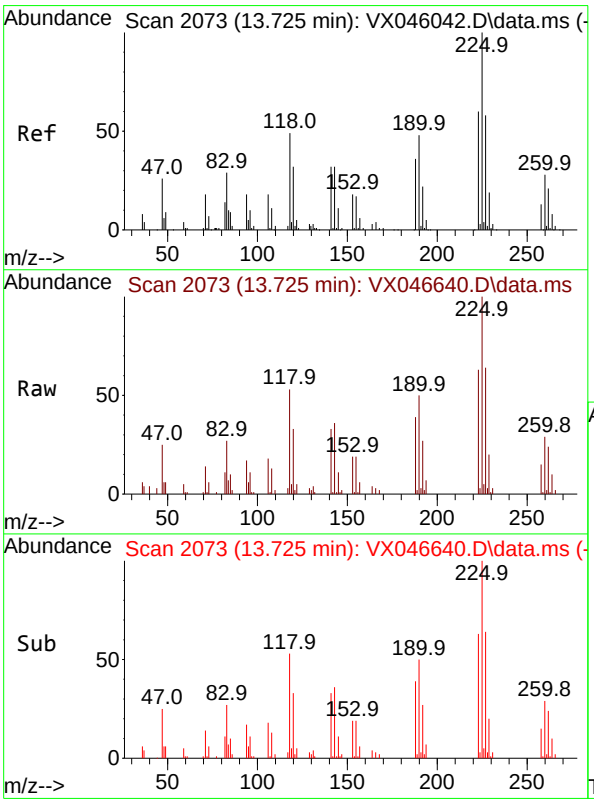
Tgt Ion:180 Resp: 2733

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	34.4	17.1	51.2

Manual Integrations
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Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

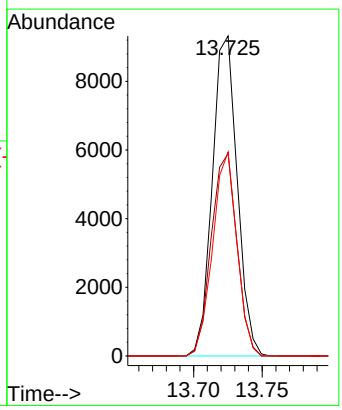


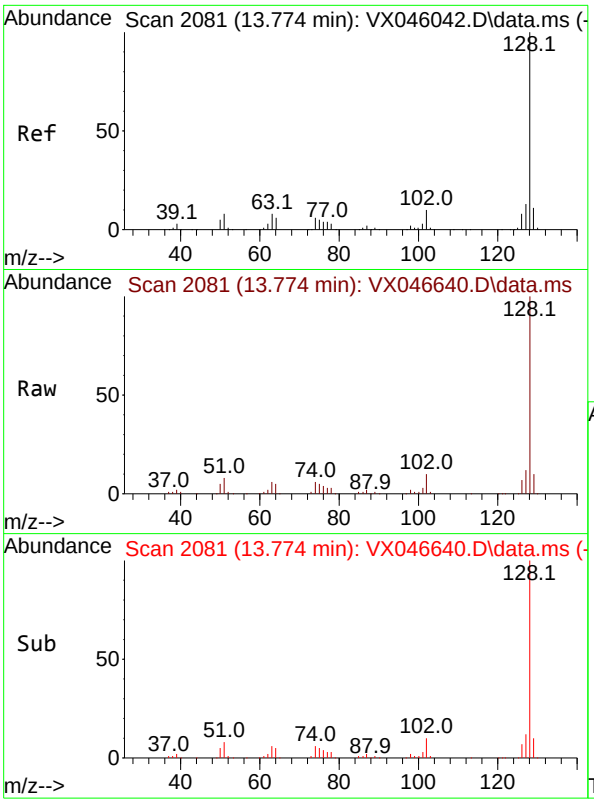


#94
Hexachlorobutadiene
Concen: 17.304 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:225 Resp: 11785

Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.8	92.4
227	62.0	30.9	92.7

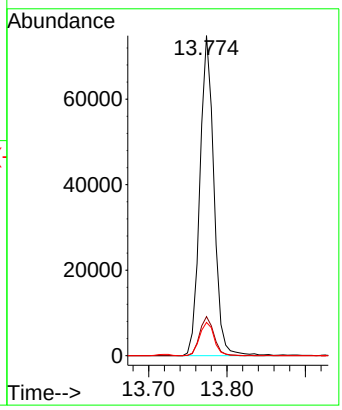




#95
Naphthalene
Concen: 20.075 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:128 Resp: 9329

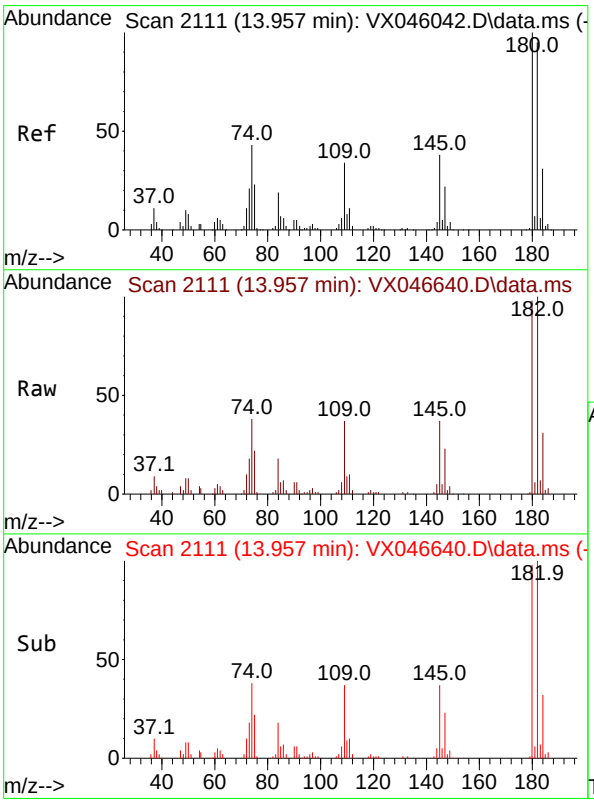
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD02

Manual Integrations
APPROVED

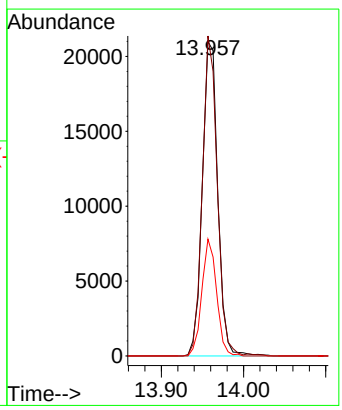
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.646 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046640.D
Acq: 11 Jun 2025 16:25

Tgt Ion:180 Resp: 27401

Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.8	143.3
145	35.4	18.1	54.3



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Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046518.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:36 PM	MMDadoda	6/9/2025 1:14:56 PM	Peak Integrated by Software
VSTDICC020	VX046519.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:40 PM	MMDadoda	6/9/2025 1:14:59 PM	Peak Integrated by Software
VSTDICCC050	VX046520.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:44 PM	MMDadoda	6/9/2025 1:15:03 PM	Peak Integrated by Software
VSTDICC100	VX046521.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:48 PM	MMDadoda	6/9/2025 1:15:08 PM	Peak Integrated by Software
VSTDICC150	VX046522.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:52 PM	MMDadoda	6/9/2025 1:15:37 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	Ethyl Acetate	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICV050	VX046525.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:26:01 PM	MMDadoda	6/9/2025 1:16:01 PM	Peak Integrated by Software
VSTDCCC050	VX046544.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:18 AM	MMDadoda	6/9/2025 1:16:52 PM	Peak Integrated by Software
VSTDCCC050	VX046546.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:22 AM	MMDadoda	6/9/2025 1:16:54 PM	Peak Integrated by Software
VSTDCCC050	VX046565.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:12:06 AM	Sam	6/9/2025 1:18:52 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX061125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VX046628.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:58:34 AM	MMDadoda	6/12/2025 3:52:37 PM	Peak Integrated by Software
VSTDCCC020	VX046628.D	2,2-Dichloropropane	JOHN	6/12/2025 9:58:34 AM	MMDadoda	6/12/2025 3:52:37 PM	Peak Integrated by Software
VSTDCCC020	VX046628.D	Ethyl Acetate	JOHN	6/12/2025 9:58:34 AM	MMDadoda	6/12/2025 3:52:37 PM	Peak Integrated by Software
VSTDCCC050	VX046636.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:58:51 AM	MMDadoda	6/12/2025 3:52:52 PM	Peak Integrated by Software
VSTDCCC050	VX046636.D	Chloroethane	JOHN	6/12/2025 9:58:51 AM	MMDadoda	6/12/2025 3:52:52 PM	Peak Integrated by Software
VX0611WBS02	VX046639.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:58:55 AM	MMDadoda	6/12/2025 3:52:54 PM	Peak Integrated by Software
VX0611WBS02	VX046639.D	Chloroethane	JOHN	6/12/2025 9:58:55 AM	MMDadoda	6/12/2025 3:52:54 PM	Peak Integrated by Software
VX0611WBSD02	VX046640.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:59:00 AM	MMDadoda	6/12/2025 3:52:59 PM	Peak Integrated by Software
VX0611WBSD02	VX046640.D	Chloroethane	JOHN	6/12/2025 9:59:00 AM	MMDadoda	6/12/2025 3:52:59 PM	Peak Integrated by Software
VSTDCCC050	VX046655.D	1,2,3-Trichloropropane	JOHN	6/12/2025 10:00:06 AM	MMDadoda	6/12/2025 3:53:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx061225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046657.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:14 AM	MMDadoda	6/13/2025 10:58:05 AM	Peak Integrated by Software
VX0612WBS01	VX046660.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:18 AM	MMDadoda	6/13/2025 10:58:06 AM	Peak Integrated by Software
VSTDCCC050	VX046673.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:43 AM	MMDadoda	6/13/2025 10:58:16 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046516.D	06 Jun 2025 08:47	JC/MD	Ok
2	VSTDICC001	VX046517.D	06 Jun 2025 09:13	JC/MD	Not Ok
3	VSTDICC005	VX046518.D	06 Jun 2025 09:42	JC/MD	Ok,M
4	VSTDICC020	VX046519.D	06 Jun 2025 10:18	JC/MD	Ok,M
5	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	JC/MD	Ok,M
6	VSTDICC100	VX046521.D	06 Jun 2025 11:02	JC/MD	Ok,M
7	VSTDICC150	VX046522.D	06 Jun 2025 11:25	JC/MD	Ok,M
8	IBLK	VX046523.D	06 Jun 2025 11:47	JC/MD	Ok
9	VSTDICC001	VX046524.D	06 Jun 2025 12:57	JC/MD	Ok,M
10	VSTDICV050	VX046525.D	06 Jun 2025 14:11	JC/MD	Ok,M
11	VX0606MBL01	VX046526.D	06 Jun 2025 14:39	JC/MD	Ok
12	VX0606WBL01	VX046527.D	06 Jun 2025 15:02	JC/MD	Ok
13	VX0606WBS01	VX046528.D	06 Jun 2025 15:25	JC/MD	Ok,M
14	VX0606MBS01	VX046529.D	06 Jun 2025 15:51	JC/MD	Ok,M
15	Q2168-11MEDL	VX046530.D	06 Jun 2025 16:13	JC/MD	Ok
16	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36	JC/MD	Ok,M
17	Q2194-02	VX046532.D	06 Jun 2025 16:58	JC/MD	Ok
18	Q2194-04	VX046533.D	06 Jun 2025 17:21	JC/MD	Ok
19	Q2207-09	VX046534.D	06 Jun 2025 17:43	JC/MD	Ok,M
20	Q2207-18	VX046535.D	06 Jun 2025 18:06	JC/MD	Ok,M
21	Q2207-27	VX046536.D	06 Jun 2025 18:28	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2207-36	VX046537.D	06 Jun 2025 18:51	JC/MD	Ok,M
23	Q2207-45	VX046538.D	06 Jun 2025 19:13	JC/MD	Ok,M
24	Q2208-09	VX046539.D	06 Jun 2025 19:35	JC/MD	Ok,M
25	Q2208-18	VX046540.D	06 Jun 2025 19:58	JC/MD	Ok,M
26	Q2208-27	VX046541.D	06 Jun 2025 20:20	JC/MD	Ok,M
27	Q2208-36	VX046542.D	06 Jun 2025 20:42	JC/MD	Ok,M
28	Q2236-01	VX046543.D	06 Jun 2025 21:04	JC/MD	Not Ok
29	VSTDCCC050	VX046544.D	06 Jun 2025 21:26	JC/MD	Not Ok
30	BFB	VX046545.D	06 Jun 2025 23:59	JC/MD	Ok
31	VSTDCCC050	VX046546.D	07 Jun 2025 00:34	JC/MD	Ok,M
32	VX0606WBL02	VX046547.D	07 Jun 2025 01:17	JC/MD	Ok
33	VX0606WBS02	VX046548.D	07 Jun 2025 02:00	JC/MD	Ok,M
34	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22	JC/MD	Ok,M
35	PB168312TB	VX046550.D	07 Jun 2025 02:43	JC/MD	Ok,M
36	PB168272TB	VX046551.D	07 Jun 2025 03:05	JC/MD	Ok,M
37	Q2236-05	VX046552.D	07 Jun 2025 03:26	JC/MD	ReRun
38	Q2236-09	VX046553.D	07 Jun 2025 03:48	JC/MD	ReRun
39	Q2236-13	VX046554.D	07 Jun 2025 04:09	JC/MD	Ok
40	Q2236-17	VX046555.D	07 Jun 2025 04:31	JC/MD	ReRun
41	Q2227-04	VX046556.D	07 Jun 2025 04:52	JC/MD	Ok,M
42	Q2228-04	VX046557.D	07 Jun 2025 05:14	JC/MD	ReRun
43	Q2235-01	VX046558.D	07 Jun 2025 05:36	JC/MD	ReRun
44	Q2240-04	VX046559.D	07 Jun 2025 05:57	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2240-08	VX046560.D	07 Jun 2025 06:18	JC/MD	ReRun
46	Q2240-12	VX046561.D	07 Jun 2025 06:40	JC/MD	ReRun
47	Q2241-04	VX046562.D	07 Jun 2025 07:01	JC/MD	ReRun
48	Q2241-08	VX046563.D	07 Jun 2025 07:23	JC/MD	ReRun
49	Q2226-04	VX046564.D	07 Jun 2025 07:44	JC/MD	ReRun
50	VSTDCCC050	VX046565.D	07 Jun 2025 08:06	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061125

Review By	John Carlone	Review On	6/12/2025 10:06:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/12/2025 3:53:50 PM		
SubDirectory	VX061125	HP Acquire Method		HP Processing Method	624X061025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134259,VP134275
Initial Calibration Stds	VP134316,VP134317,VP134318,VP134319,VP134320
CCC	VP134260,VP134261,VP134276,VP134277
Internal Standard/PEM	
ICV/I.BLK	VP134321
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046627.D	11 Jun 2025 10:45	JC/MD	Ok
2	VSTDCCC020	VX046628.D	11 Jun 2025 11:12	JC/MD	Ok,M
3	VX0611WBS01	VX046629.D	11 Jun 2025 11:43	JC/MD	Ok,M
4	VX0611WBSD01	VX046630.D	11 Jun 2025 12:09	JC/MD	Ok,M
5	VX0611WBL01	VX046631.D	11 Jun 2025 12:31	JC/MD	Ok
6	Q2203-01DL	VX046632.D	11 Jun 2025 12:57	JC/MD	Ok,M
7	Q2203-04DL	VX046633.D	11 Jun 2025 13:18	JC/MD	Ok,M
8	Q2264-01	VX046634.D	11 Jun 2025 13:40	JC/MD	Ok,M
9	BFB	VX046635.D	11 Jun 2025 14:01	JC/MD	Ok
10	VSTDCCC050	VX046636.D	11 Jun 2025 14:46	JC/MD	Ok,M
11	VX0611WBL02	VX046637.D	11 Jun 2025 15:14	JC/MD	Ok
12	VX0611MBL01	VX046638.D	11 Jun 2025 15:36	JC/MD	Ok
13	VX0611WBS02	VX046639.D	11 Jun 2025 15:58	JC/MD	Ok,M
14	VX0611WBSD02	VX046640.D	11 Jun 2025 16:25	JC/MD	Ok,M
15	Q2230-03MS	VX046641.D	11 Jun 2025 16:47	JC/MD	Not Ok
16	Q2230-04MSD	VX046642.D	11 Jun 2025 17:09	JC/MD	Ok,M
17	IBLK	VX046643.D	11 Jun 2025 17:31	JC/MD	Ok
18	Q2249-01	VX046644.D	11 Jun 2025 17:53	JC/MD	ReRun
19	Q2271-04	VX046645.D	11 Jun 2025 18:15	JC/MD	ReRun
20	Q2272-04	VX046646.D	11 Jun 2025 18:37	JC/MD	ReRun
21	Q2273-04	VX046647.D	11 Jun 2025 18:59	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061125

Review By	John Carlone	Review On	6/12/2025 10:06:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/12/2025 3:53:50 PM		
SubDirectory	VX061125	HP Acquire Method		HP Processing Method	624X061025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134259,VP134275
Initial Calibration Stds	VP134316,VP134317,VP134318,VP134319,VP134320
CCC	VP134260,VP134261,VP134276,VP134277
Internal Standard/PEM	
ICV/I.BLK	VP134321
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2273-08	VX046648.D	11 Jun 2025 19:21	JC/MD	ReRun
23	Q2274-04	VX046649.D	11 Jun 2025 19:43	JC/MD	ReRun
24	Q2278-04	VX046650.D	11 Jun 2025 20:04	JC/MD	ReRun
25	Q2280-02	VX046651.D	11 Jun 2025 20:26	JC/MD	ReRun
26	Q2280-04	VX046652.D	11 Jun 2025 20:48	JC/MD	ReRun
27	Q2285-05	VX046653.D	11 Jun 2025 21:10	JC/MD	ReRun
28	PB168370TB	VX046654.D	11 Jun 2025 21:32	JC/MD	Ok,M
29	VSTDCCC050	VX046655.D	11 Jun 2025 21:53	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:58:22 AM		
SubDirectory	VX061225	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134305
Initial Calibration Stds	
CCC	VP134306,VP134307
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046656.D	12 Jun 2025 09:44	JC/MD	Ok
2	VSTDCCC050	VX046657.D	12 Jun 2025 10:11	JC/MD	Ok,M
3	VX0612MBL01	VX046658.D	12 Jun 2025 12:48	JC/MD	Ok
4	VX0612WBL01	VX046659.D	12 Jun 2025 13:10	JC/MD	Ok
5	VX0612WBS01	VX046660.D	12 Jun 2025 13:38	JC/MD	Ok,M
6	Q2249-01RE	VX046661.D	12 Jun 2025 14:04	JC/MD	Confirms
7	VX0612WBSD01	VX046662.D	12 Jun 2025 14:26	JC/MD	Ok,M
8	Q2249-01	VX046663.D	12 Jun 2025 14:53	JC/MD	Not Ok
9	Q2249-01	VX046664.D	12 Jun 2025 15:24	JC/MD	Not Ok
10	Q2275-01	VX046665.D	12 Jun 2025 15:46	JC/MD	Ok
11	Q2275-05	VX046666.D	12 Jun 2025 16:10	JC/MD	ReRun
12	Q2275-03	VX046667.D	12 Jun 2025 16:32	JC/MD	Ok
13	Q2275-05	VX046668.D	12 Jun 2025 16:55	JC/MD	Ok
14	Q2267-01	VX046669.D	12 Jun 2025 17:17	JC/MD	Ok,M
15	Q2278-04	VX046670.D	12 Jun 2025 17:40	JC/MD	Ok,M
16	Q2285-05	VX046671.D	12 Jun 2025 18:02	JC/MD	Ok,M
17	PB168448TB	VX046672.D	12 Jun 2025 18:24	JC/MD	Ok,M
18	VSTDCCC050	VX046673.D	12 Jun 2025 18:47	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046516.D	06 Jun 2025 08:47		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046517.D	06 Jun 2025 09:13		JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046518.D	06 Jun 2025 09:42	for TCLP	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046519.D	06 Jun 2025 10:18	Comp #05 fail	JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	LR-13,16,17	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046521.D	06 Jun 2025 11:02		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046522.D	06 Jun 2025 11:25		JC/MD	Ok,M
8	IBLK	IBLK	VX046523.D	06 Jun 2025 11:47		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX046524.D	06 Jun 2025 12:57		JC/MD	Ok,M
10	VSTDICV050	ICVVX060625	VX046525.D	06 Jun 2025 14:11		JC/MD	Ok,M
11	VX0606MBL01	VX0606MBL01	VX046526.D	06 Jun 2025 14:39		JC/MD	Ok
12	VX0606WBL01	VX0606WBL01	VX046527.D	06 Jun 2025 15:02		JC/MD	Ok
13	VX0606WBS01	VX0606WBS01	VX046528.D	06 Jun 2025 15:25		JC/MD	Ok,M
14	VX0606MBS01	VX0606MBS01	VX046529.D	06 Jun 2025 15:51		JC/MD	Ok,M
15	Q2168-11MEDL	C2MEDL	VX046530.D	06 Jun 2025 16:13		JC/MD	Ok
16	VX0606WBSD01	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36		JC/MD	Ok,M
17	Q2194-02	COMP-12	VX046532.D	06 Jun 2025 16:58	vial A pH#5.0	JC/MD	Ok
18	Q2194-04	COMP-13	VX046533.D	06 Jun 2025 17:21	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2207-09	BU-703-COMP-01	VX046534.D	06 Jun 2025 17:43	vial A pH#5.0	JC/MD	Ok,M
20	Q2207-18	BU-703-COMP-02	VX046535.D	06 Jun 2025 18:06	vial A pH#5.0	JC/MD	Ok,M
21	Q2207-27	BU-703-COMP-03	VX046536.D	06 Jun 2025 18:28	vial A pH#5.0	JC/MD	Ok,M
22	Q2207-36	BU-703-COMP-04	VX046537.D	06 Jun 2025 18:51	vial A pH#5.0	JC/MD	Ok,M
23	Q2207-45	BU-703-COMP-05	VX046538.D	06 Jun 2025 19:13	vial A pH#5.0	JC/MD	Ok,M
24	Q2208-09	BU-703-COMP-06	VX046539.D	06 Jun 2025 19:35	vial A pH#5.0	JC/MD	Ok,M
25	Q2208-18	BU-703-COMP-07	VX046540.D	06 Jun 2025 19:58	vial A pH#5.0	JC/MD	Ok,M
26	Q2208-27	BU-703-COMP-08	VX046541.D	06 Jun 2025 20:20	vial A pH#5.0	JC/MD	Ok,M
27	Q2208-36	BU-703-COMP-09	VX046542.D	06 Jun 2025 20:42	vial A pH#5.0	JC/MD	Ok,M
28	Q2236-01	WC-A4-05A-G	VX046543.D	06 Jun 2025 21:04	vial A pH#5.0 Out of tune	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX046544.D	06 Jun 2025 21:26	Out of tune	JC/MD	Not Ok
30	BFB	BFB	VX046545.D	06 Jun 2025 23:59		JC/MD	Ok
31	VSTDCCC050	VSTDCCC050	VX046546.D	07 Jun 2025 00:34		JC/MD	Ok,M
32	VX0606WBL02	VX0606WBL02	VX046547.D	07 Jun 2025 01:17		JC/MD	Ok
33	VX0606WBS02	VX0606WBS02	VX046548.D	07 Jun 2025 02:00		JC/MD	Ok,M
34	VX0606WBSD02	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22		JC/MD	Ok,M
35	PB168312TB	PB168312TB	VX046550.D	07 Jun 2025 02:43		JC/MD	Ok,M
36	PB168272TB	PB168272TB	VX046551.D	07 Jun 2025 03:05		JC/MD	Ok,M
37	Q2236-05	WC-A2-04-G	VX046552.D	07 Jun 2025 03:26	Surrogate Fail	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2236-09	WC-A2-05-G	VX046553.D	07 Jun 2025 03:48	Internal Standard Fail	JC/MD	ReRun
39	Q2236-13	WC-A2-06-G	VX046554.D	07 Jun 2025 04:09	vial A pH#5.0	JC/MD	Ok
40	Q2236-17	WC-A2-07-G	VX046555.D	07 Jun 2025 04:31	Internal Standard Fail; Surrogate fail	JC/MD	ReRun
41	Q2227-04	TP07-MHH-WC	VX046556.D	07 Jun 2025 04:52		JC/MD	Ok,M
42	Q2228-04	TP08-MHI-WC	VX046557.D	07 Jun 2025 05:14	Internal Standard Fail	JC/MD	ReRun
43	Q2235-01	WC-A2-08-G	VX046558.D	07 Jun 2025 05:36	Internal Standard Fail	JC/MD	ReRun
44	Q2240-04	TP-3	VX046559.D	07 Jun 2025 05:57	Internal Standard Fail	JC/MD	ReRun
45	Q2240-08	TP-2	VX046560.D	07 Jun 2025 06:18	Internal Standard Fail	JC/MD	ReRun
46	Q2240-12	TP-1	VX046561.D	07 Jun 2025 06:40	Internal Standard Fail	JC/MD	ReRun
47	Q2241-04	TP-N	VX046562.D	07 Jun 2025 07:01	Internal Standard Fail	JC/MD	ReRun
48	Q2241-08	TP-S	VX046563.D	07 Jun 2025 07:23	Internal Standard Fail	JC/MD	ReRun
49	Q2226-04	TP06-MHI-WC	VX046564.D	07 Jun 2025 07:44	Internal Standard Fail	JC/MD	ReRun
50	VSTDCCC050	VSTDCCC050EC	VX046565.D	07 Jun 2025 08:06		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061125

Review By	John Carlone	Review On	6/12/2025 10:06:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/12/2025 3:53:50 PM		
SubDirectory	VX061125	HP Acquire Method		HP Processing Method	624X061025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134259,VP134275
Initial Calibration Stds	VP134316,VP134317,VP134318,VP134319,VP134320
CCC	VP134260,VP134261,VP134276,VP134277
Internal Standard/PEM	
ICV/I.BLK	VP134321
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046627.D	11 Jun 2025 10:45		JC/MD	Ok
2	VSTDCCC020	VSTDCCC020	VX046628.D	11 Jun 2025 11:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0611WBS01	VX0611WBS01	VX046629.D	11 Jun 2025 11:43		JC/MD	Ok,M
4	VX0611WBSD01	VX0611WBSD01	VX046630.D	11 Jun 2025 12:09		JC/MD	Ok,M
5	VX0611WBL01	VX0611WBL01	VX046631.D	11 Jun 2025 12:31		JC/MD	Ok
6	Q2203-01DL	001-WILLETS-PT-BLVD	VX046632.D	11 Jun 2025 12:57	vial B pH<2	JC/MD	Ok,M
7	Q2203-04DL	002-35TH-AVE(JUNE)D	VX046633.D	11 Jun 2025 13:18	vial B pH<2	JC/MD	Ok,M
8	Q2264-01	EFF-WW	VX046634.D	11 Jun 2025 13:40	vial A pH<2 foamy sample	JC/MD	Ok,M
9	BFB	BFB	VX046635.D	11 Jun 2025 14:01		JC/MD	Ok
10	VSTDCCC050	VSTDCCC050	VX046636.D	11 Jun 2025 14:46		JC/MD	Ok,M
11	VX0611WBL02	VX0611WBL02	VX046637.D	11 Jun 2025 15:14		JC/MD	Ok
12	VX0611MBL01	VX0611MBL01	VX046638.D	11 Jun 2025 15:36		JC/MD	Ok
13	VX0611WBS02	VX0611WBS02	VX046639.D	11 Jun 2025 15:58		JC/MD	Ok,M
14	VX0611WBSD02	VX0611WBSD02	VX046640.D	11 Jun 2025 16:25		JC/MD	Ok,M
15	Q2230-03MS	GW-MW01-060425MS	VX046641.D	11 Jun 2025 16:47	Recovery failed above 50% compound of client ask parameter	JC/MD	Not Ok
16	Q2230-04MSD	GW-MW01-060425MSD	VX046642.D	11 Jun 2025 17:09		JC/MD	Ok,M
17	IBLK	IBLK	VX046643.D	11 Jun 2025 17:31		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061125

Review By	John Carlone	Review On	6/12/2025 10:06:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/12/2025 3:53:50 PM		
SubDirectory	VX061125	HP Acquire Method		HP Processing Method	624X061025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134259,VP134275
Initial Calibration Stds	VP134316,VP134317,VP134318,VP134319,VP134320
CCC	VP134260,VP134261,VP134276,VP134277
Internal Standard/PEM	
ICV/I.BLK	VP134321
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2249-01	MW-06-6.5-060525	VX046644.D	11 Jun 2025 17:53	Internal Standard Fail	JC/MD	ReRun
19	Q2271-04	TP12-MHK-WC	VX046645.D	11 Jun 2025 18:15	Internal Standard Fail	JC/MD	ReRun
20	Q2272-04	TP-6	VX046646.D	11 Jun 2025 18:37	Internal Standard Fail ;Surrogate fail	JC/MD	ReRun
21	Q2273-04	WC-4	VX046647.D	11 Jun 2025 18:59	Internal Standard Fail	JC/MD	ReRun
22	Q2273-08	WC-6	VX046648.D	11 Jun 2025 19:21	Internal Standard Fail ;Surrogate fail	JC/MD	ReRun
23	Q2274-04	TP-13-MHP-WC	VX046649.D	11 Jun 2025 19:43	Internal Standard Fail; Surrogate fail	JC/MD	ReRun
24	Q2278-04	TP-2	VX046650.D	11 Jun 2025 20:04	Surrogate Fail	JC/MD	ReRun
25	Q2280-02	VNJ-210	VX046651.D	11 Jun 2025 20:26	Internal Standard Fail	JC/MD	ReRun
26	Q2280-04	RT-4643	VX046652.D	11 Jun 2025 20:48	Internal Standard Fail	JC/MD	ReRun
27	Q2285-05	HAM-CONCRETE	VX046653.D	11 Jun 2025 21:10	Internal Standard Fail	JC/MD	ReRun
28	PB168370TB	PB168370TB	VX046654.D	11 Jun 2025 21:32		JC/MD	Ok,M
29	VSTDCCC050	VSTDCCC050EC	VX046655.D	11 Jun 2025 21:53		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:58:22 AM		
SubDirectory	VX061225	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134305
Initial Calibration Stds	
CCC	VP134306,VP134307
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	VX046656.D	12 Jun 2025 09:44		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046657.D	12 Jun 2025 10:11		JC/MD	Ok,M
3	VX0612MBL01	VX0612MBL01	VX046658.D	12 Jun 2025 12:48		JC/MD	Ok
4	VX0612WBL01	VX0612WBL01	VX046659.D	12 Jun 2025 13:10		JC/MD	Ok
5	VX0612WBS01	VX0612WBS01	VX046660.D	12 Jun 2025 13:38		JC/MD	Ok,M
6	Q2249-01RE	MW-06-6.5-060525RE	VX046661.D	12 Jun 2025 14:04	vial B pH<2 ISTD Fail	JC/MD	Confirms
7	VX0612WBSD01	VX0612WBSD01	VX046662.D	12 Jun 2025 14:26		JC/MD	Ok,M
8	Q2249-01	MW-06-6.5-060525	VX046663.D	12 Jun 2025 14:53	Not req	JC/MD	Not Ok
9	Q2249-01	MW-06-6.5-060525	VX046664.D	12 Jun 2025 15:24	Not req	JC/MD	Not Ok
10	Q2275-01	OW-08B-72.5-060925	VX046665.D	12 Jun 2025 15:46	vial A pH<2	JC/MD	Ok
11	Q2275-05	TB01-060925	VX046666.D	12 Jun 2025 16:10	vial A pH<2 TB; Surrogate Fail	JC/MD	ReRun
12	Q2275-03	EB01-060925	VX046667.D	12 Jun 2025 16:32	vial A pH<2 EB	JC/MD	Ok
13	Q2275-05	TB01-060925	VX046668.D	12 Jun 2025 16:55	vial B pH<2 TB	JC/MD	Ok
14	Q2267-01	WC-20250605	VX046669.D	12 Jun 2025 17:17	vial A pH#5.0	JC/MD	Ok,M
15	Q2278-04	TP-2	VX046670.D	12 Jun 2025 17:40	vial B pH#5.0	JC/MD	Ok,M
16	Q2285-05	HAM-CONCRETE	VX046671.D	12 Jun 2025 18:02	vial B pH#5.0	JC/MD	Ok,M
17	PB168448TB	PB168448TB	VX046672.D	12 Jun 2025 18:24		JC/MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VX046673.D	12 Jun 2025 18:47		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:58:22 AM		
SubDirectory	VX061225	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134305
Initial Calibration Stds	
CCC	VP134306,VP134307
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2249

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: vx061125,vx061225,

Standard ID :
VP133174,VP133251,VP133887,VP133889,VP133935,VP133953,VP133978,VP133991,VP133996,VP133998,VP134142,VP134149,VP134151,VP134259,VP134260,VP134261,VP134263,VP134275,VP134276,VP134277,VP134305,VP134306,VP134307,VP134316,VP134317,VP134318,VP134319,VP134320,VP134321,

Chemical ID :
V13391,V13450,V13583,V13584,V13706,V13822,V13920,V14127,V14180,V14290,V14427,V14432,V14435,V14503,V14504,V14525,V14526,V14580,V14613,V14620,V14624,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14711,V14717,V14718,V14721,V14749,V14750,V14793,V14811,V14812,V14843,V14885,V14921,V14929,V14944,V14945,V14946,V14947,V14949,V14950,W3112,

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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
466	624 Internal Standard and Surrogate Mix, 150PPM	VP133251	03/12/2025	07/02/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/21/2025

FROM 0.15000ml of V14580 + 0.15000ml of V14885 + 24.75000ml of V14624 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP133889	05/12/2025	06/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 17.50000ml of V14921 + 2.50000ml of VP133887 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP133935	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP133978	05/15/2025	06/30/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/27/2025

FROM 0.16000ml of V13450 + 0.80000ml of V13822 + 0.80000ml of V14127 + 0.80000ml of V14180 + 0.80000ml of V14427 + 0.80000ml of V14793 + 1.60000ml of V13920 + 4.24000ml of V14620 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133991	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP133996	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 17.50000ml of V14620 + 2.50000ml of VP133991 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP133998	05/22/2025	06/17/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 0.60000ml of V14950 + 1.00000ml of V14949 + 8.40000ml of V14620 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP134151	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 0.25000ml of V14639 + 24.75000ml of V14929 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP134259	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
645	20 PPB CCC, 624	VP134260	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.97000ml of W3112 + 0.00500ml of VP133887 + 0.00500ml of VP133991 + 0.00500ml of VP134149 + 0.00800ml of VP133251 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
645	20 PPB CCC, 624	VP134261	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.97000ml of W3112 + 0.00500ml of VP133887 + 0.00500ml of VP133991 + 0.00500ml of VP134149 + 0.00800ml of VP133251 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP134263	06/11/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2025

FROM 0.60000ml of V13584 + 1.00000ml of V13583 + 18.40000ml of V14921 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP134275	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP134276	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = 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	VP134277	06/11/2025	06/12/2025	John Carlone	None	None	Mahesh Dadoda 06/12/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP134305	06/12/2025	06/13/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP134306	06/12/2025	06/13/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP134307	06/12/2025	06/13/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
637	5 PPB ICC, 624	VP134316	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.96200ml of W3112 + 0.00800ml of VP133251 + 0.01000ml of VP133889 + 0.01000ml of VP133996 + 0.01000ml of VP134151 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
639	20 PPB ICC, 624	VP134317	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.97000ml of W3112 + 0.00500ml of VP133887 + 0.00500ml of VP133991 + 0.00500ml of VP134149 + 0.00800ml of VP133251 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
640	50 PPB ICC, 624	VP134318	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.95450ml of W3112 + 0.00800ml of VP133251 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
642	100 PPB ICC, 624	VP134319	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.91700ml of W3112 + 0.00800ml of VP133251 + 0.02500ml of VP133887 + 0.02500ml of VP133991 + 0.02500ml of VP134149 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
643	150 PPB ICC, 624	VP134320	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.87950ml of W3112 + 0.00800ml of VP133251 + 0.03750ml of VP133887 + 0.03750ml of VP133991 + 0.03750ml of VP134149 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
644	20 PPB ICV, 624	VP134321	06/10/2025	06/11/2025	John Carlone	None	None	Amit Patel 06/13/2025

FROM 39.97000ml of W3112 + 0.00500ml of VP133978 + 0.00500ml of VP133998 + 0.00500ml of VP134263 + 0.00800ml of VP133251 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	11/15/2025	05/15/2025 / SAM	01/23/2023 / SAM	V13450

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	06/11/2025 / SAM	01/30/2023 / SAM	V13583

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	06/11/2025 / SAM	01/30/2023 / SAM	V13584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0197644	09/30/2025	03/31/2025 / SAM	05/31/2023 / SAM	V13822

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	11/15/2025	05/15/2025 / SAM	07/24/2023 / SAM	V13920

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)	011624	09/30/2025	03/31/2025 / SAM	01/17/2024 / SAM	V14127

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)	021524	09/30/2025	03/31/2025 / SAM	02/20/2024 / SAM	V14180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/30/2025	05/15/2025 / SAM	08/15/2024 / SAM	V14427

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

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	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

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	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

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	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555584 / Custom Standard, CLP VOA SurrogateStd [CS 5179-4]	A0219012	01/02/2026	01/02/2025 / SAM	11/18/2024 / SAM	V14580

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	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	10/25/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

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	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220563	06/30/2026	05/15/2025 / SAM	01/08/2025 / SAM	V14793

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	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

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	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555583 / Custom Standard, CLP VOA Internal Std [CS 5179-3]	A0223136	03/12/2026	03/12/2025 / SAM	03/12/2025 / SAM	V14885

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14945

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051725	06/17/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14949

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051725	06/17/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

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

12

ANAB ISO 17034 Accredit
AR-1539 Certificate Number
https://Absolutestandards.cc

CERTIFIED WEIGHT REPORT

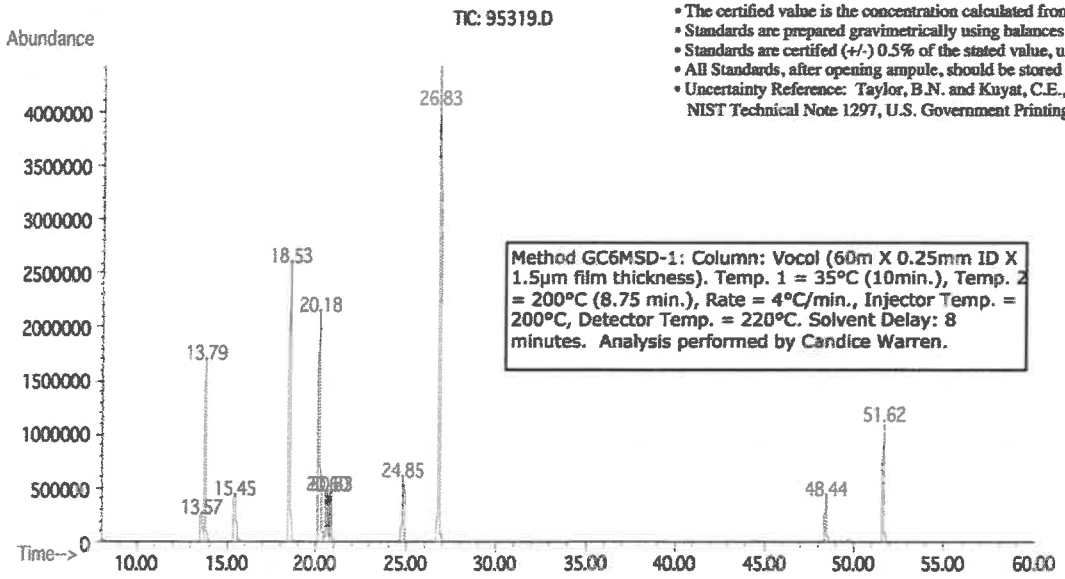
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 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.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	orl-mus 2250mg/kg
8.	Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	orl-rat 6408mg/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 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).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

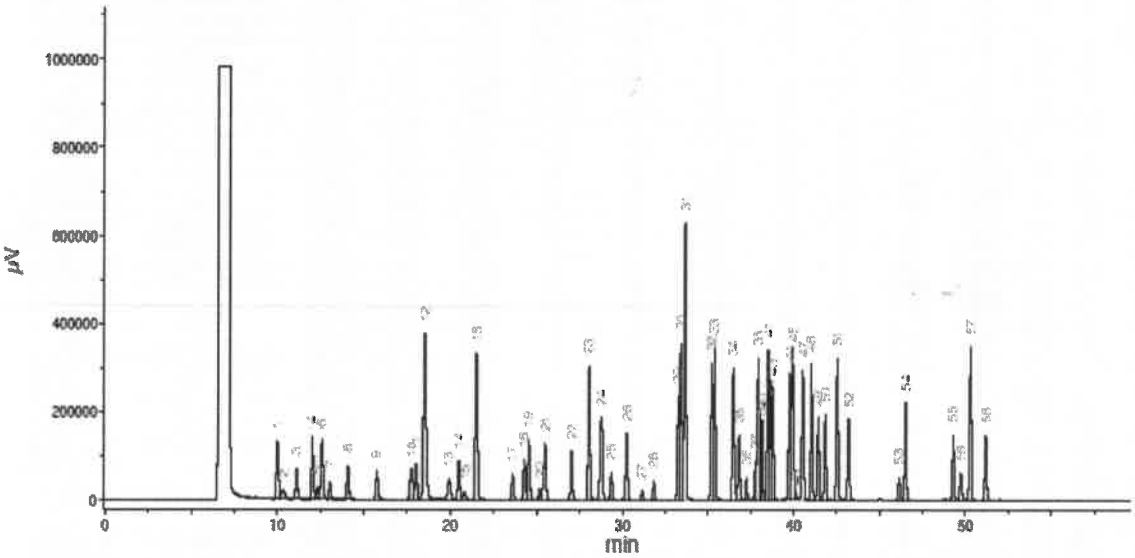
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	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	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	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	0.21060	2000.2	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	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	0.20118	2001.2	8.1	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	0.20209	2000.2	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	0.20042	2001.7	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	0.20030	2000.5	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	0.20230	2002.3	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	0.20570	2001.0	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	0.20415	2000.2	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	0.20210	2000.3	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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.6	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 1260mg/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	1999.6	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	1999.6	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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: 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 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 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., Hydrogen(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=6.75 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-1,2,2-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	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
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	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
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	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.22
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

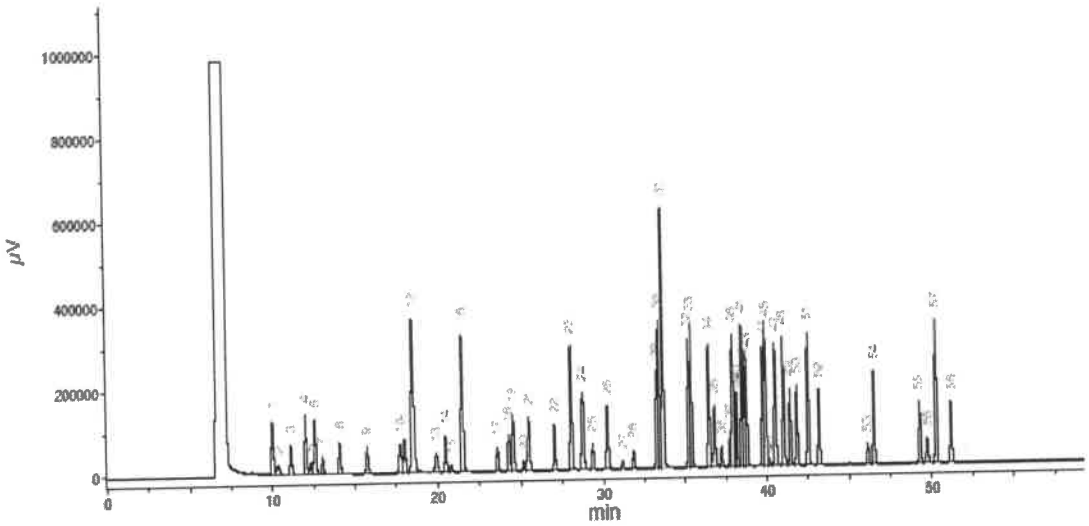
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 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	20.46
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	35.23
33	Styrene	35.30
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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

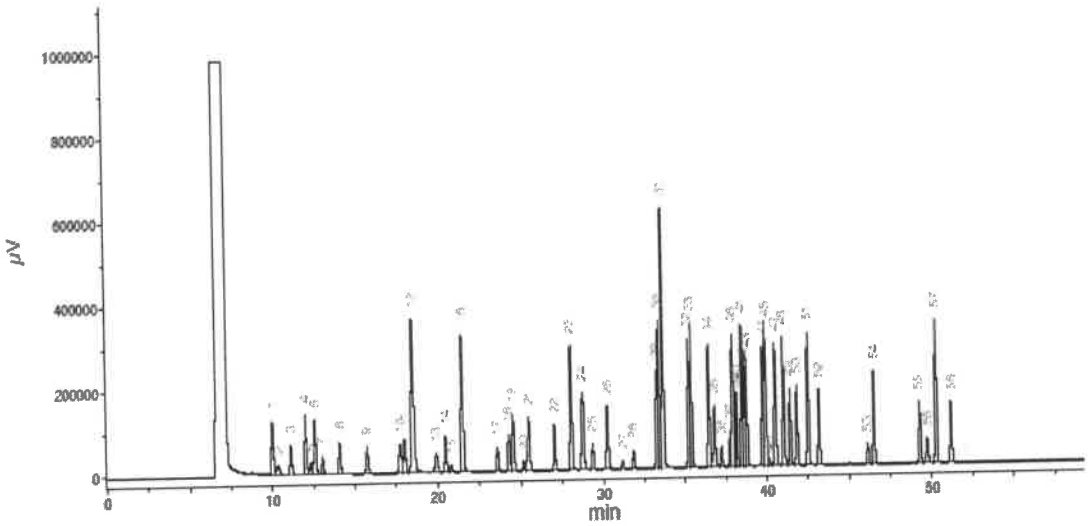
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	MKBW6137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

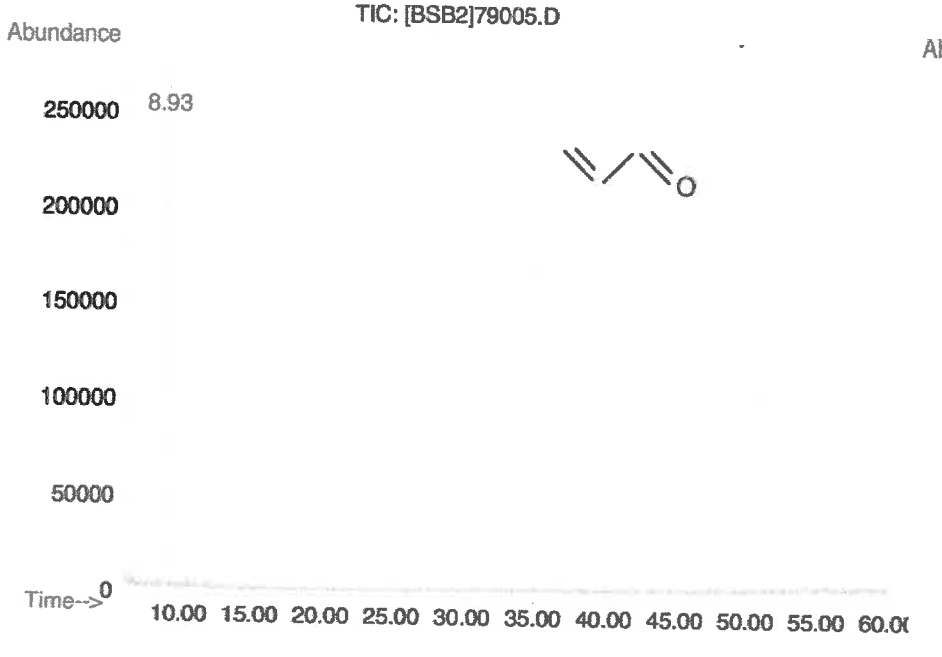
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

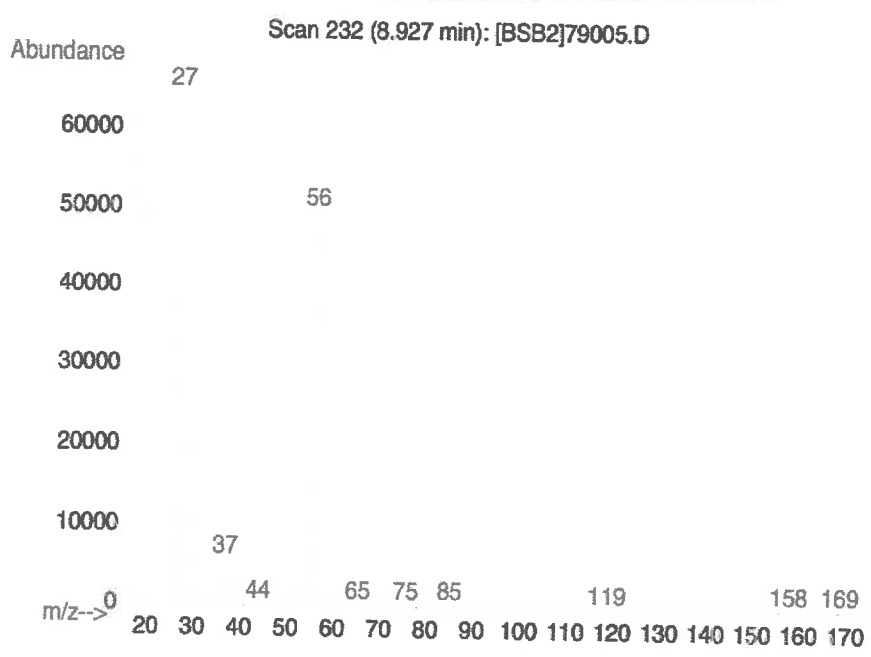
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

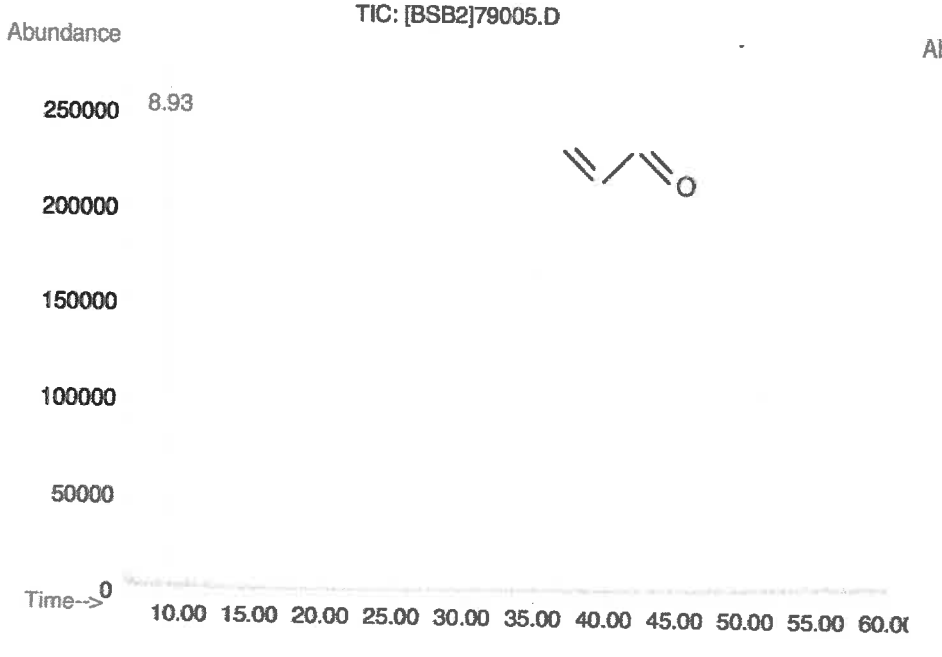
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

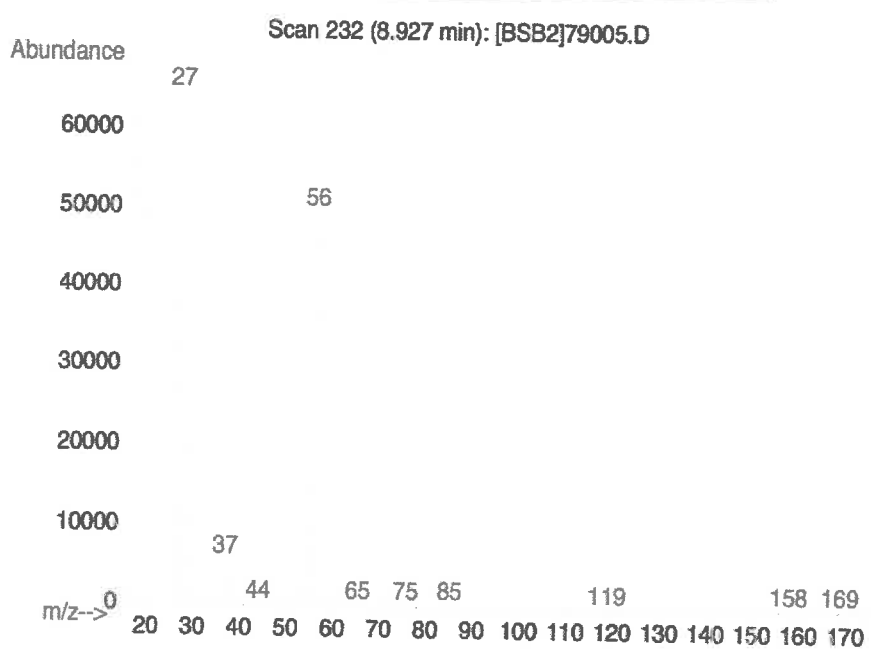
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

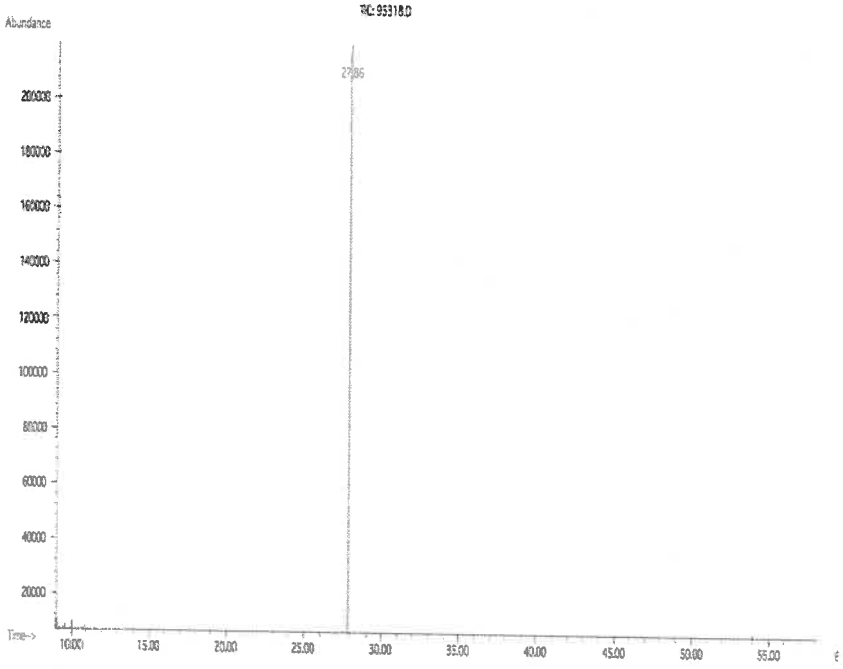
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

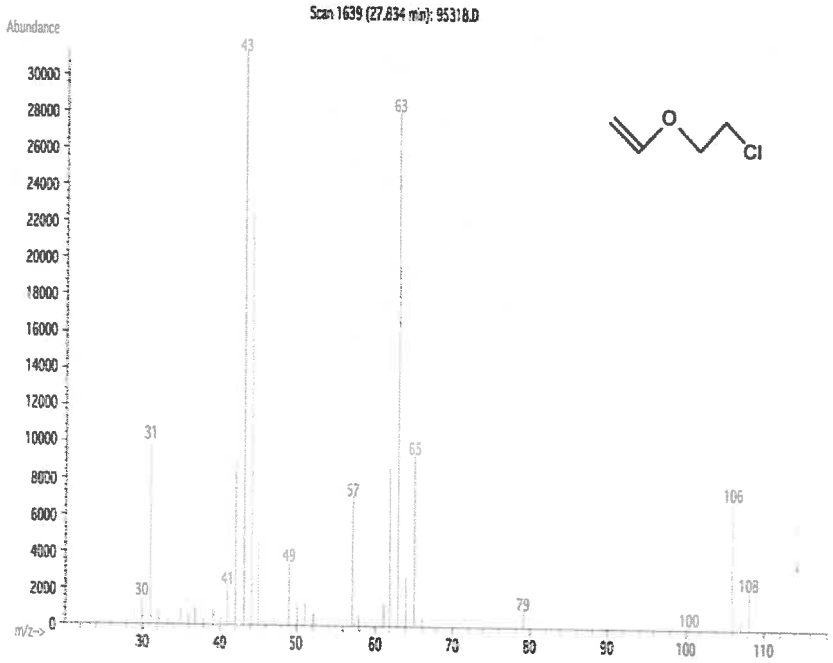
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 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	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

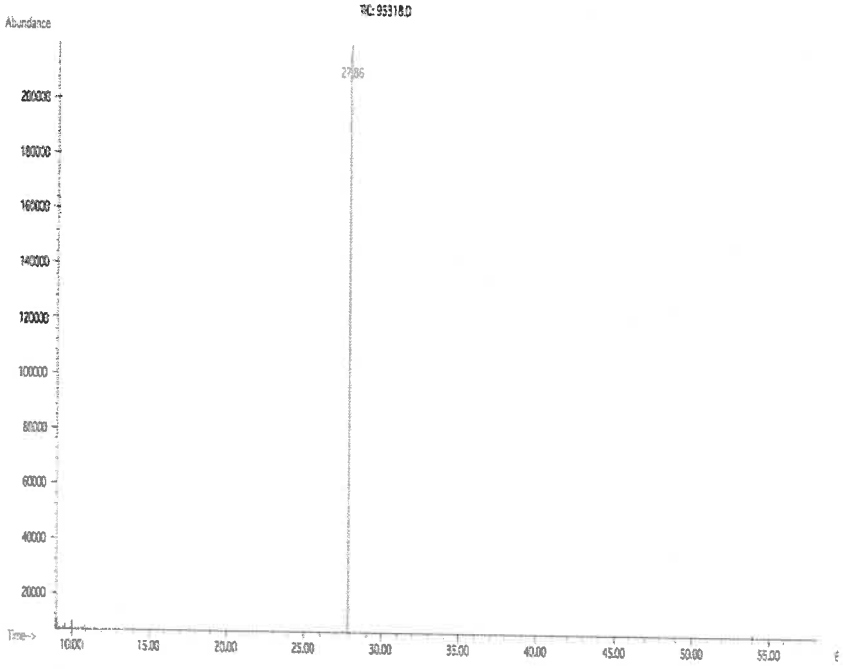
Weight(s) shown below were combined and diluted to (mL): 50.0

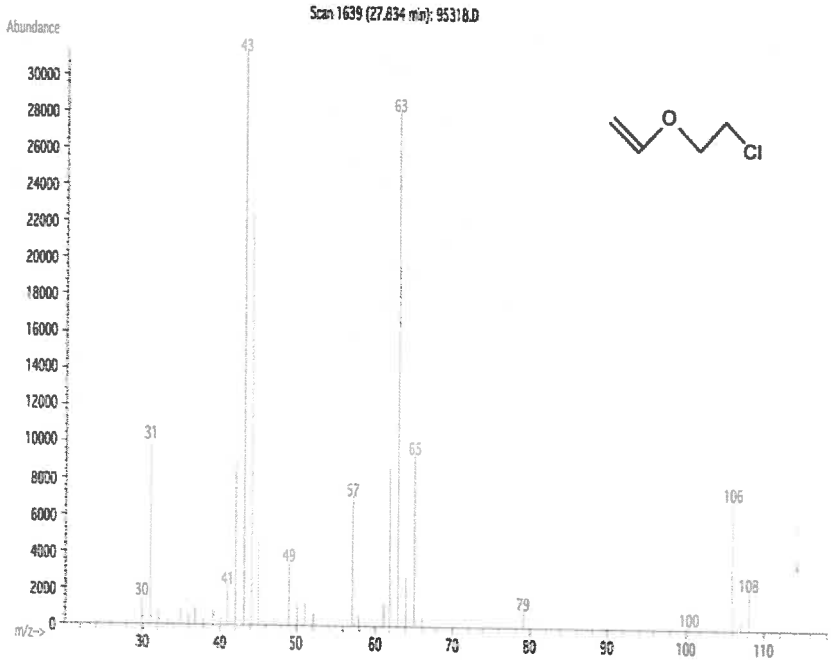
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 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	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Rec 12/6/24
20 vial

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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

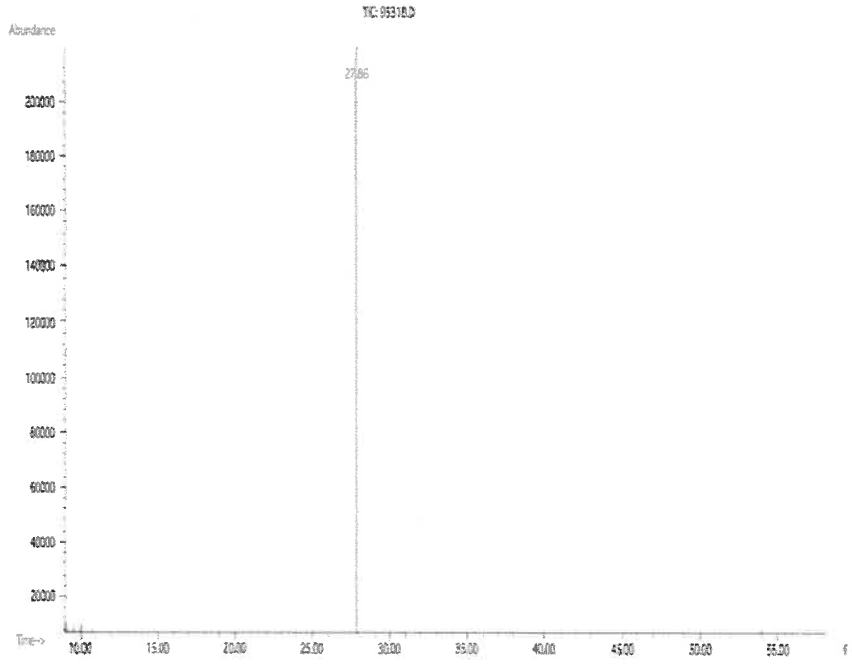
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

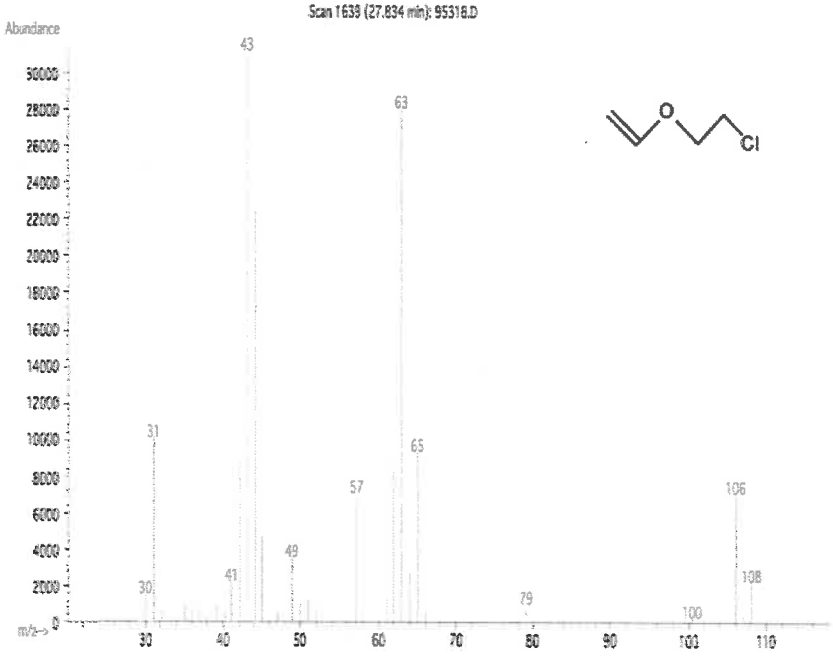
Weight(s) shown below were combined and diluted to (mL): 50.0

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.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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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

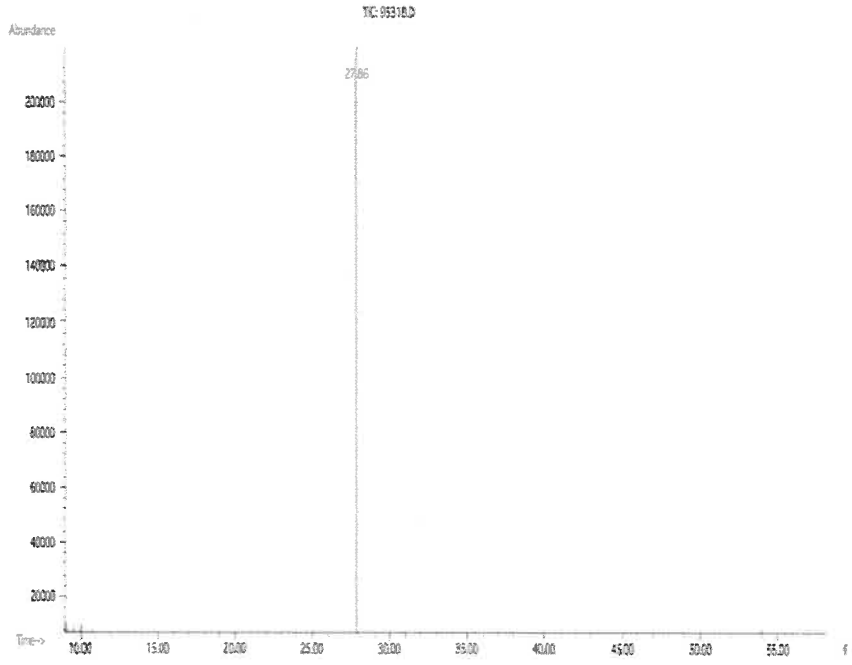
Solvent(s): Methanol **Lot#** EJ143-US

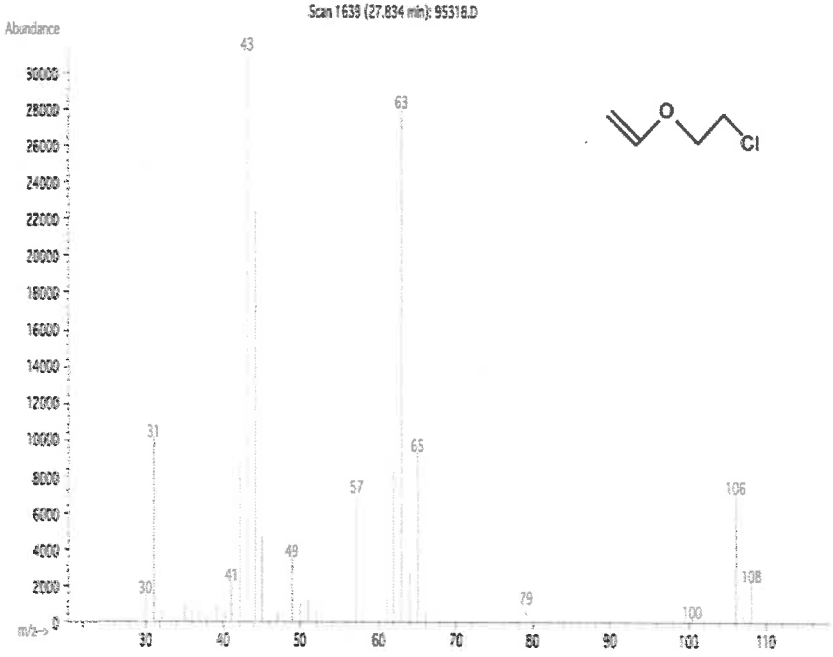
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified 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

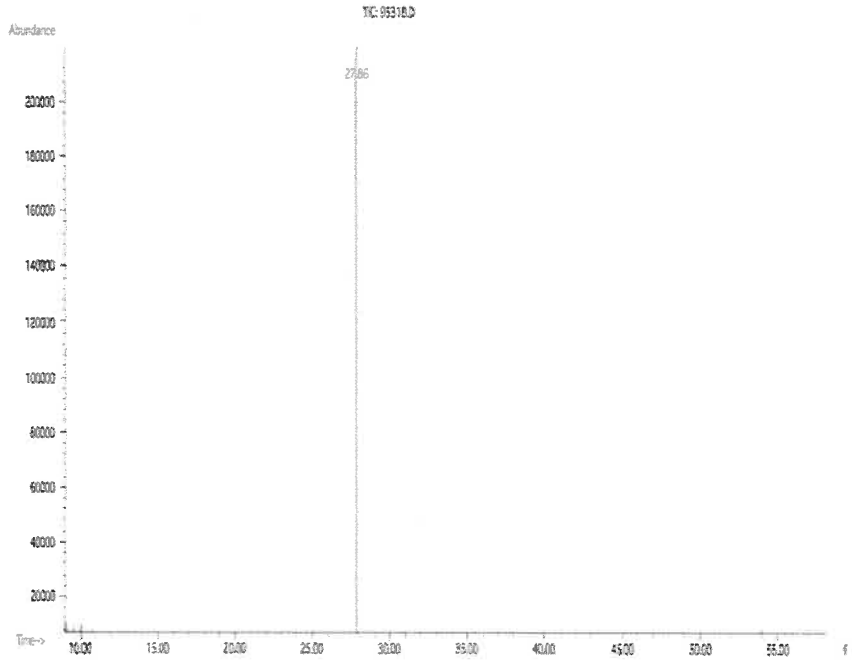
Solvent(s): Methanol **Lot#** EJ143-US

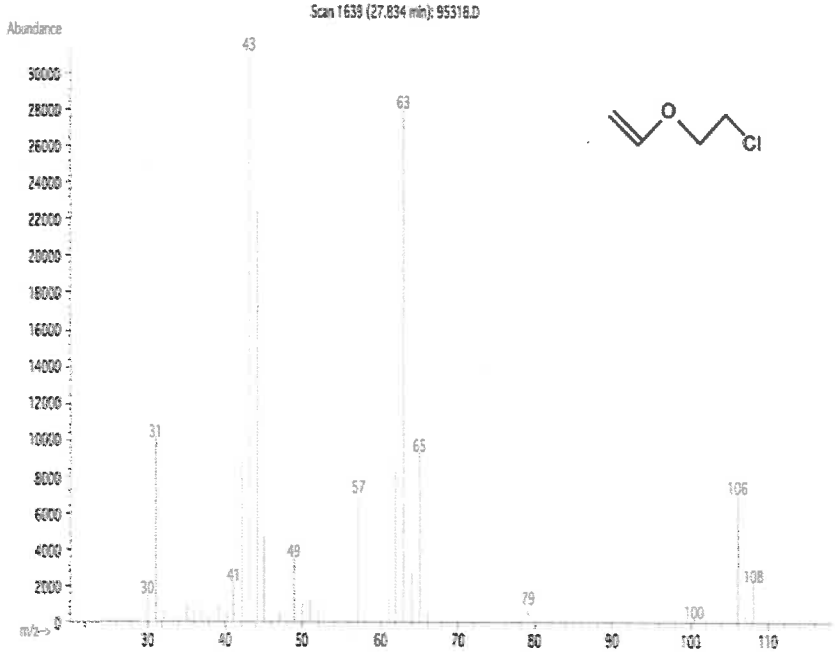
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Safety Data Sheet (SDS) GHS/OSHA Compliant

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IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number:	95318
Lot Number:	120524
Description:	2-Chloroethyl vinyl ether
Expiration Date:	120527
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	10000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Methanol	EJ143-US

V14630 to V14649

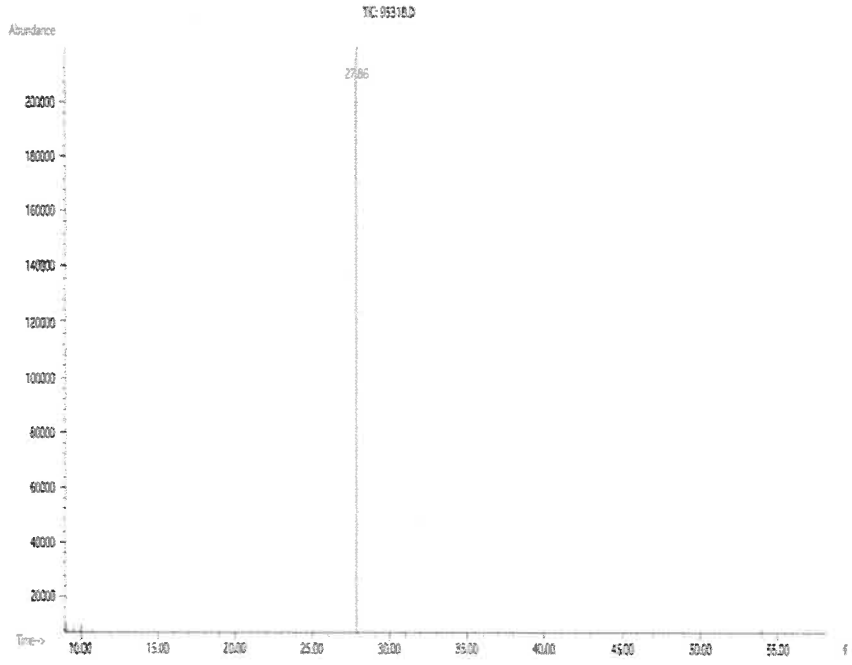
5E-05 Balance Uncertainty

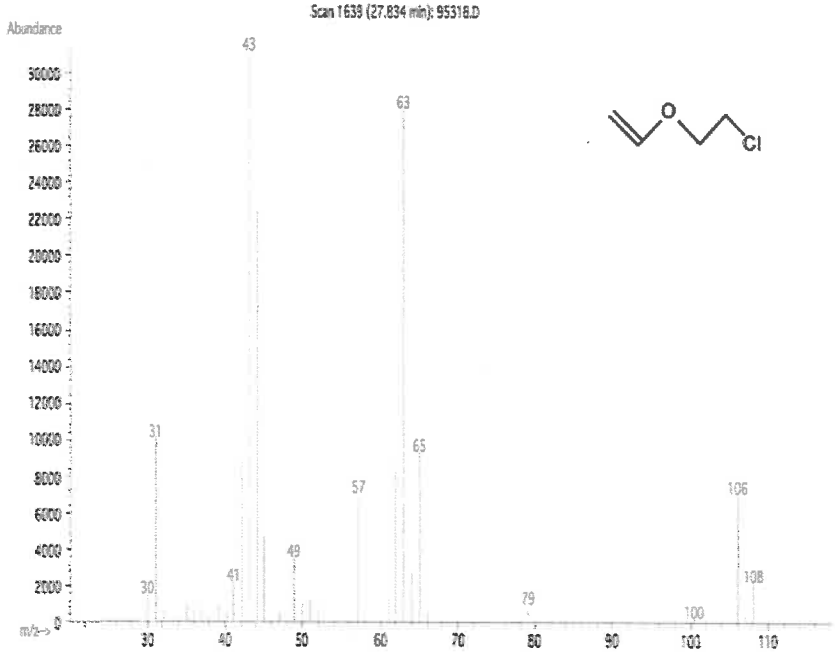
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
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Skin notation TWA 200 ppm
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EC50	24,500.00 mg/l - 48 h
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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4 J

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110 Benner Circle
Bellefonte, PA 16823-8812
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 30470 **Lot No.:** A0191703

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 : November 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

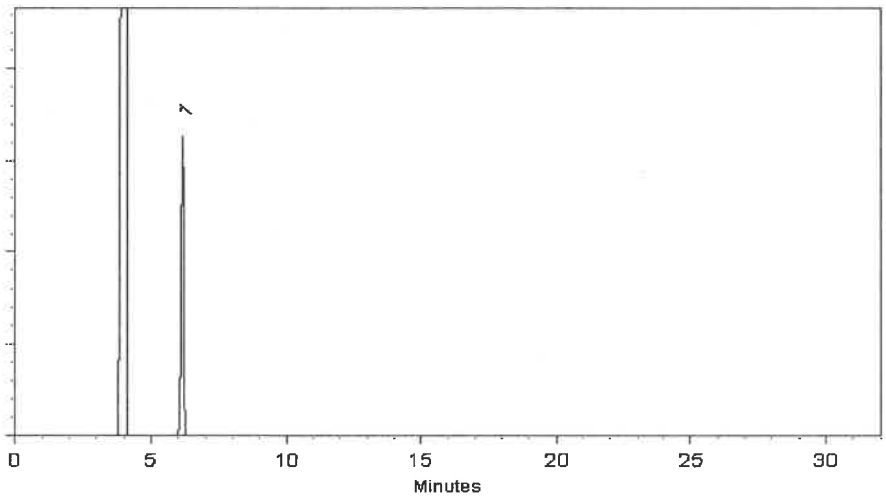
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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



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: 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

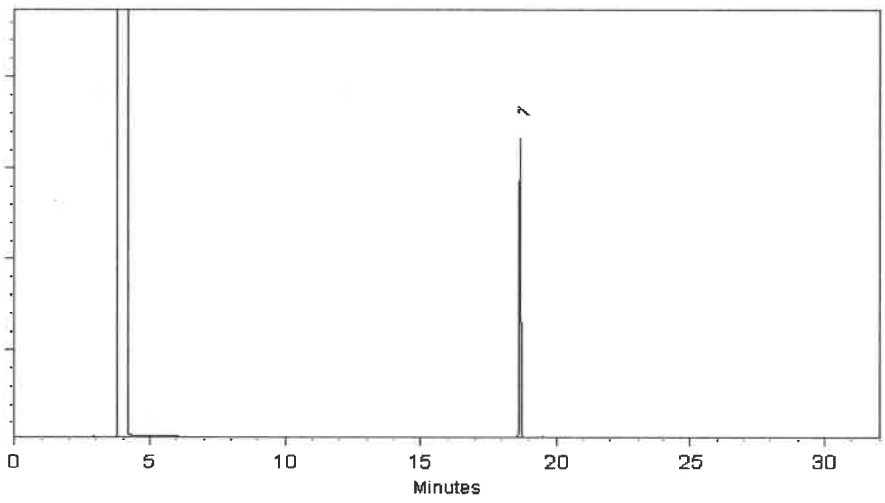
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA 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.:** A0193887

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 : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* 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.)

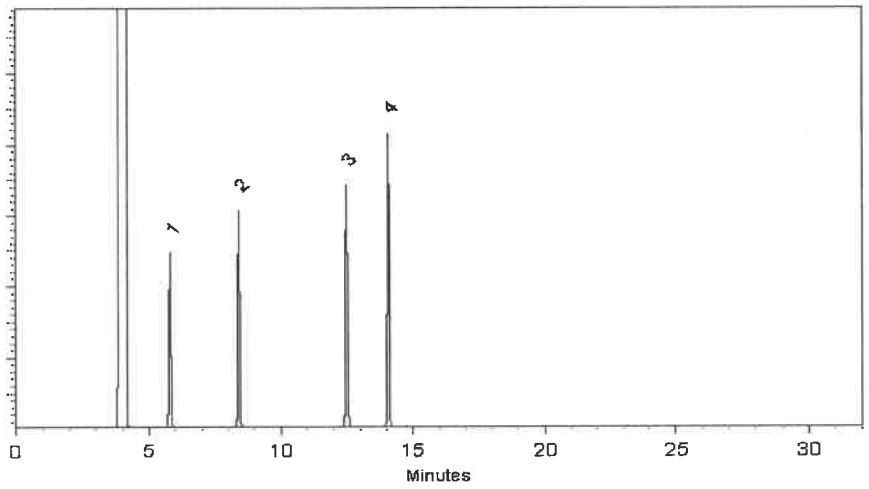
Inj. Temp:
200°C

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.

Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-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.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.:** A0197644

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 : January 31, 2030 **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	00012554	99%	2,001.6 µg/mL	+/- 112.7159
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,002.0 µg/mL	+/- 112.7840
3	Vinyl chloride	75-01-4	00015559	99%	2,002.2 µg/mL	+/- 112.6713
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8861
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.5990
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	1,999.2 µg/mL	+/- 112.4861

* 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.

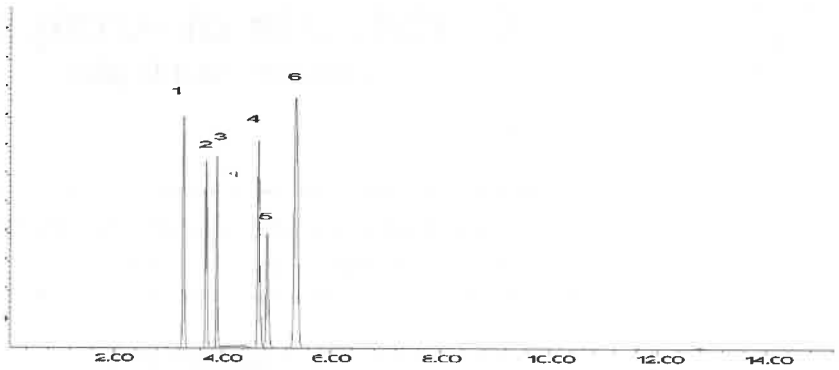
Inj. Temp:
200°C

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.

Brittany Federinko - Operations Tech I

Date Mixed: 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA 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.:** A0205013

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 : June 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%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* 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.)

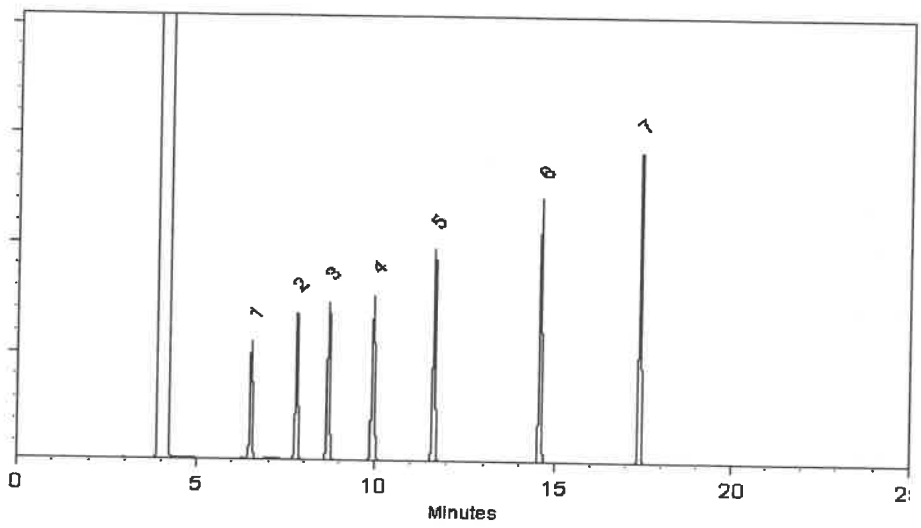
Inj. Temp:
200°C

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.

Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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.)

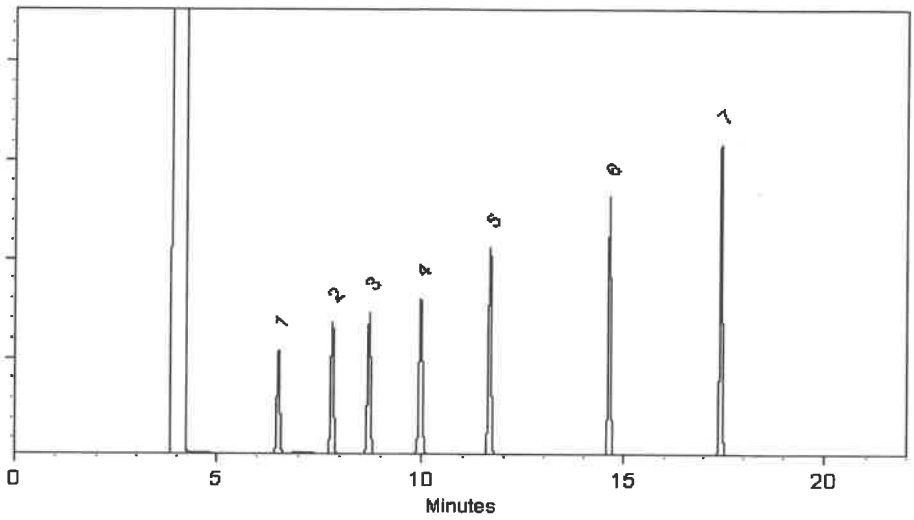
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

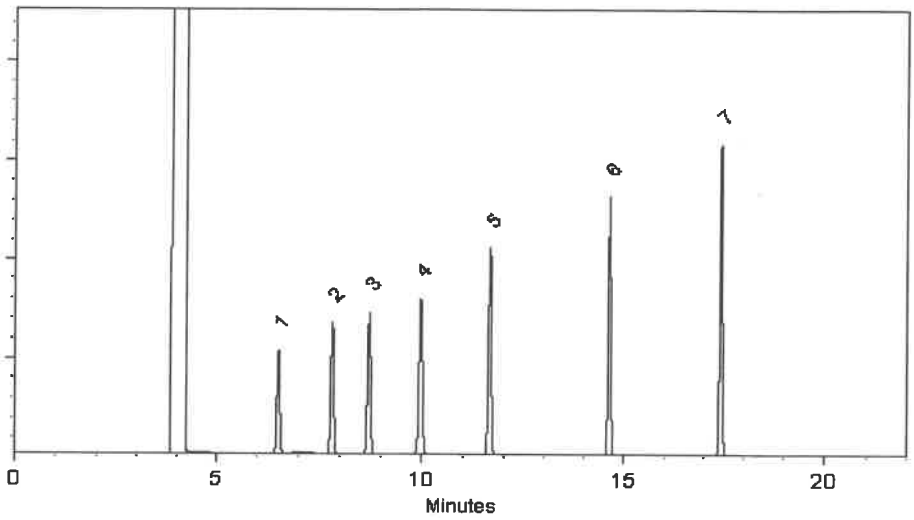
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.02

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

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

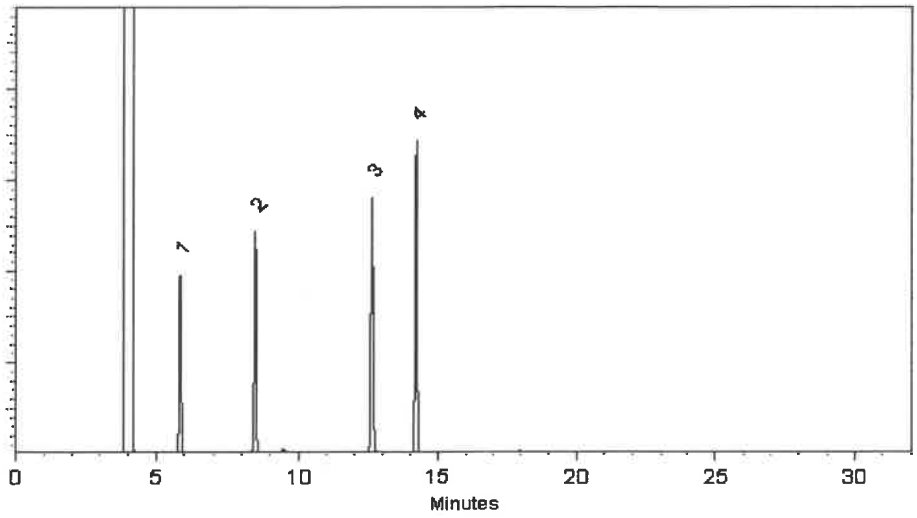
Inj. Temp:
200°C

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.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

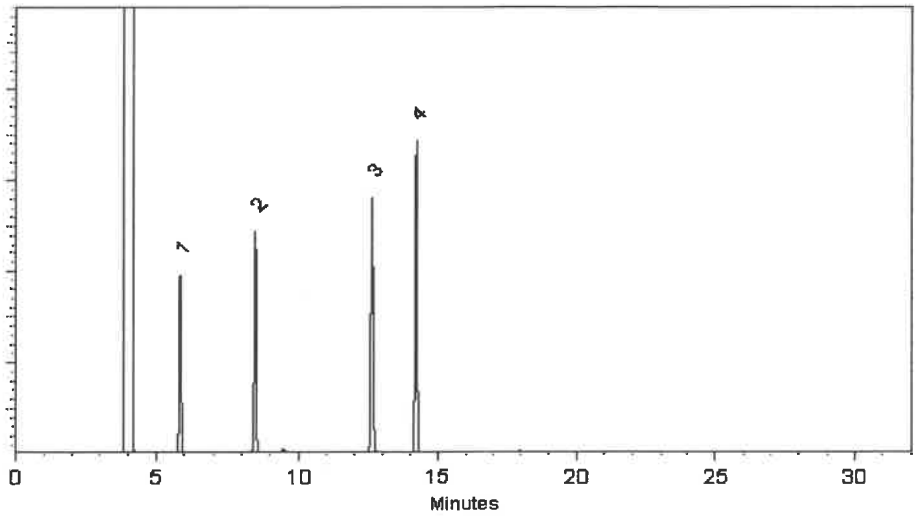
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** 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.)

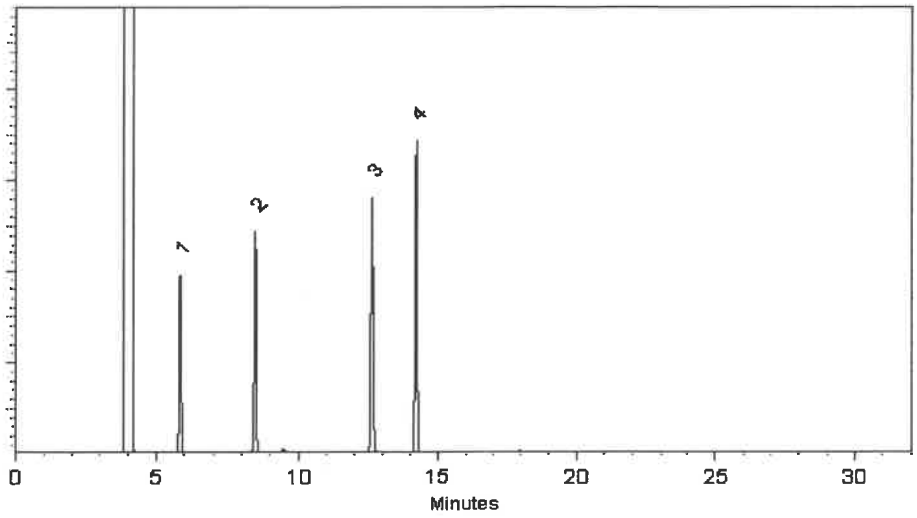
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

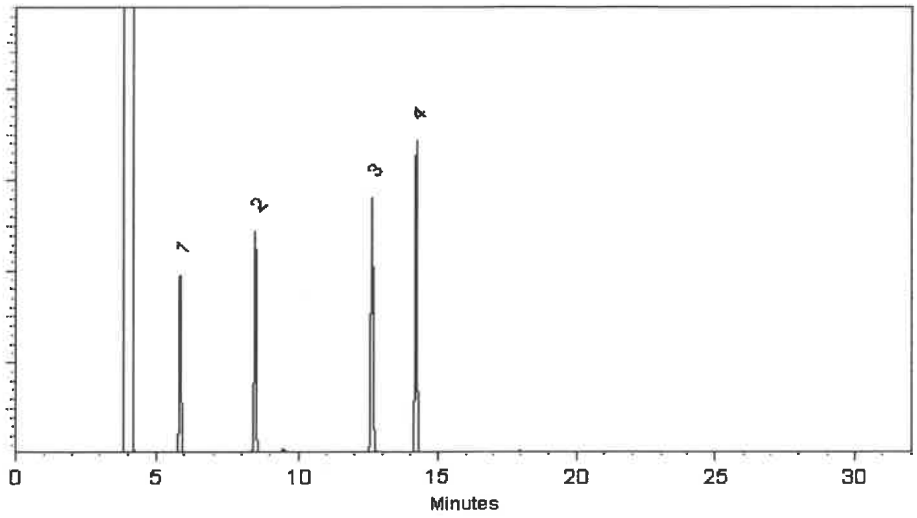
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

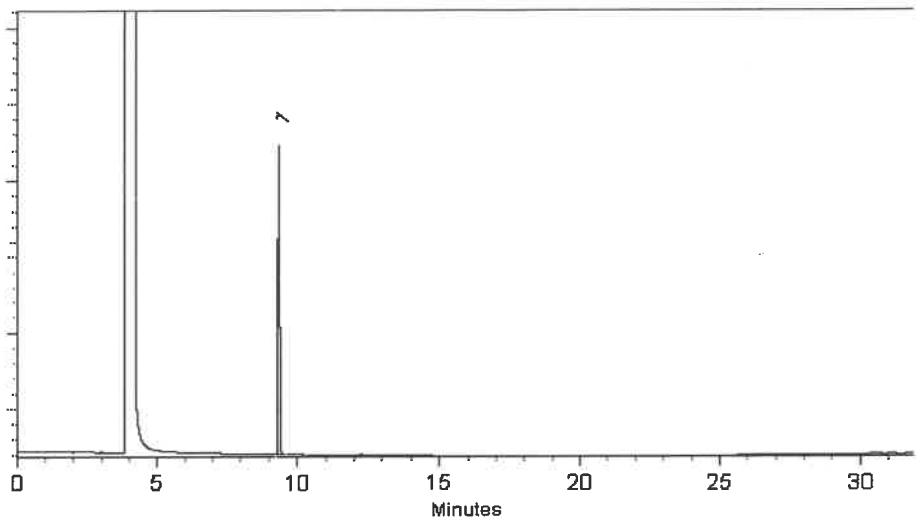
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec: 12/09/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

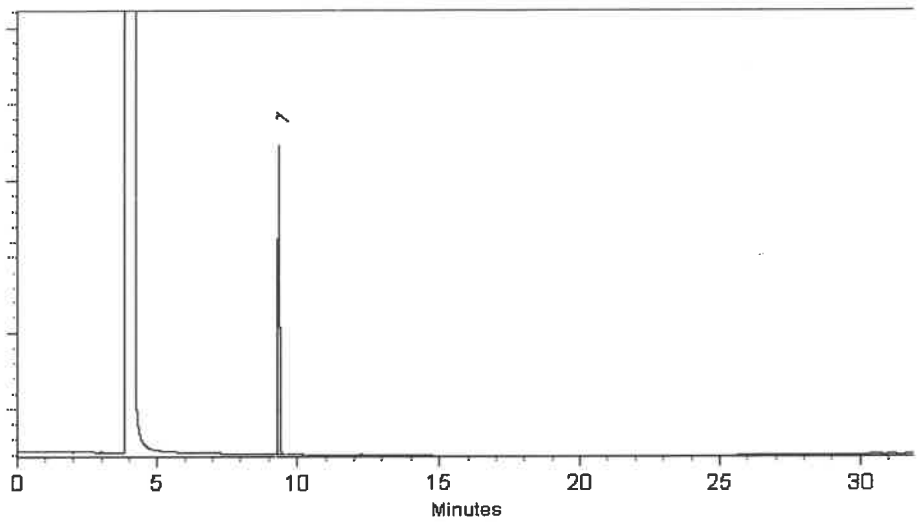
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Rec: 12/09/24

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

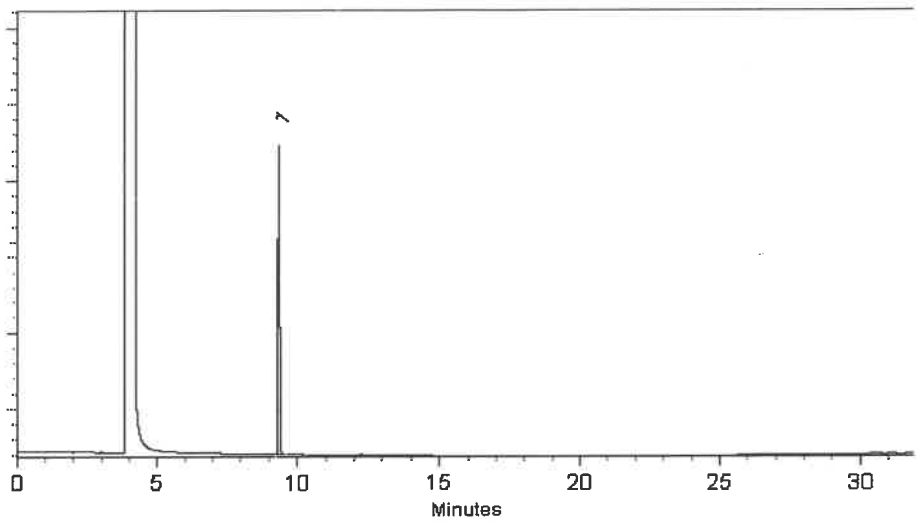
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Stacey Wanner - Operations Technician I **Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

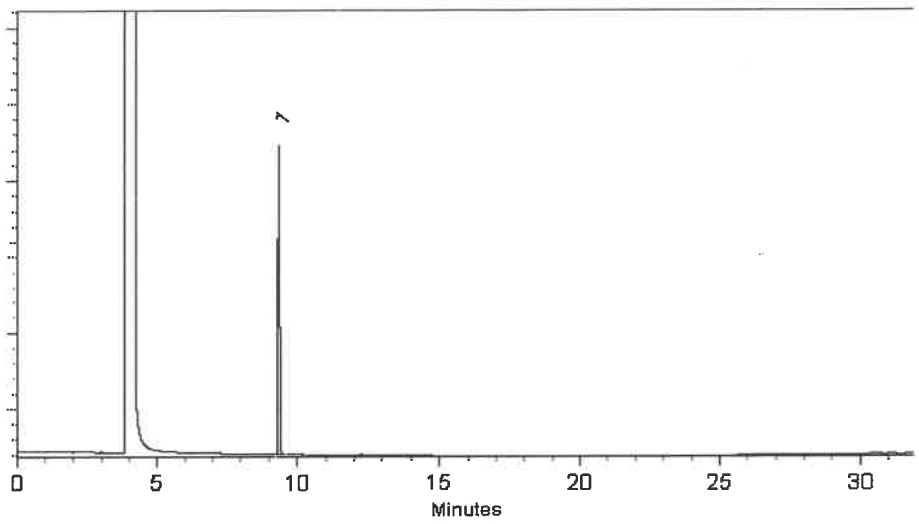
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I **Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 14-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

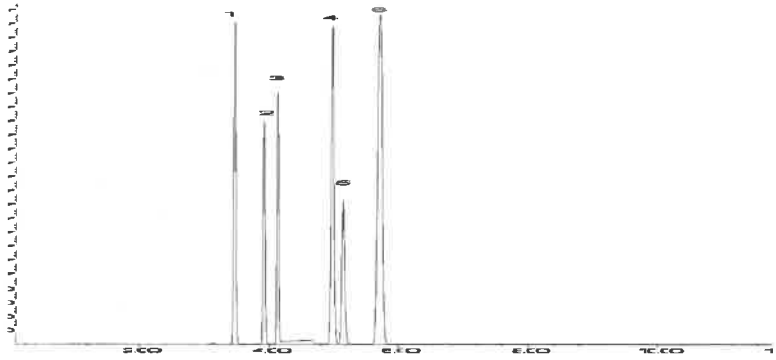
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

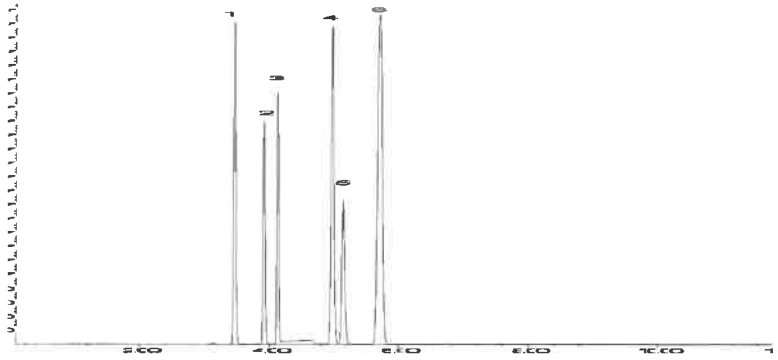
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

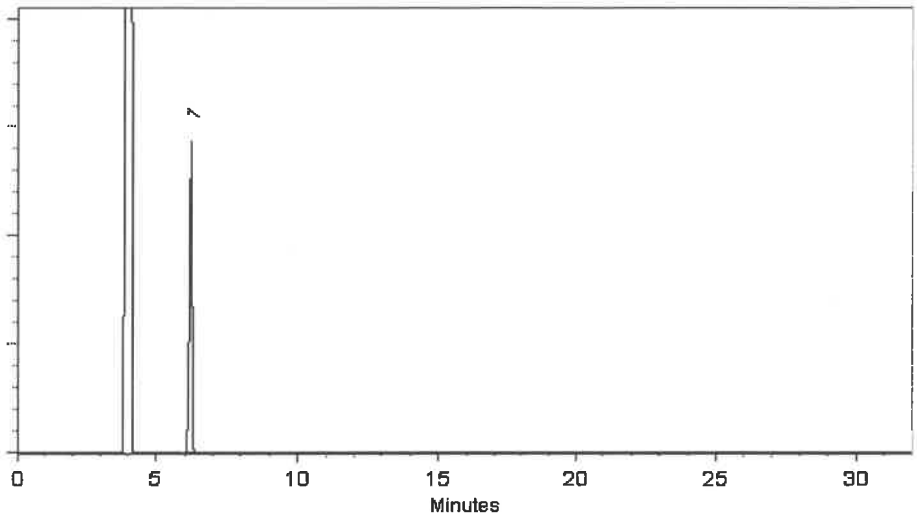
Inj. Temp:
200°C

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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555584 **Lot No.:** A0219012

Description : Custom CLP VOA Surrogate Standard Mix

Custom CLP VOA Surrogate Standard Mix 25,000µg/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

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,228.0 µg/mL	+/- 1,428.7919
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,196.0 µg/mL	+/- 1,426.9795
3	Toluene-d8	2037-26-5	PR-34141	99%	25,228.0 µg/mL	+/- 1,428.7919

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Jess Hoy - Operations Tech I

Date Mixed: 12-Nov-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Zoviy Rec 01/08/21

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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.)

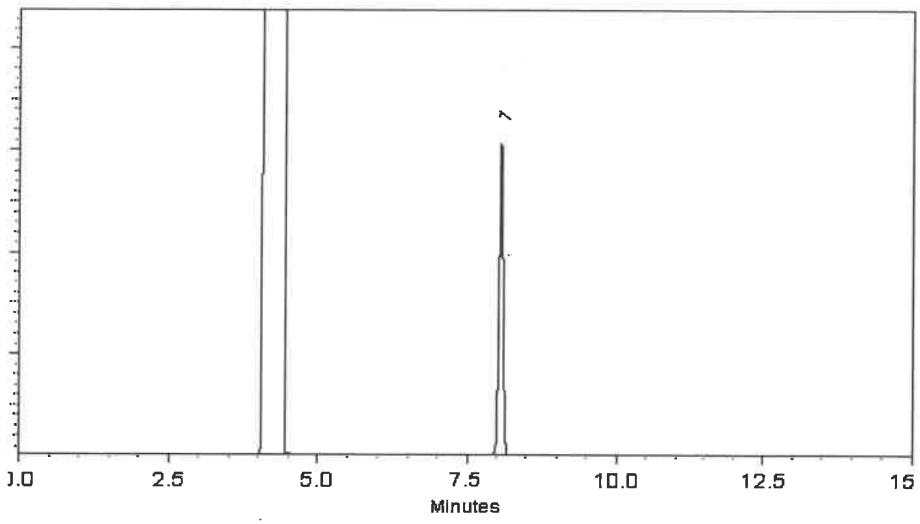
Inj. Temp:
200°C

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.

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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.)

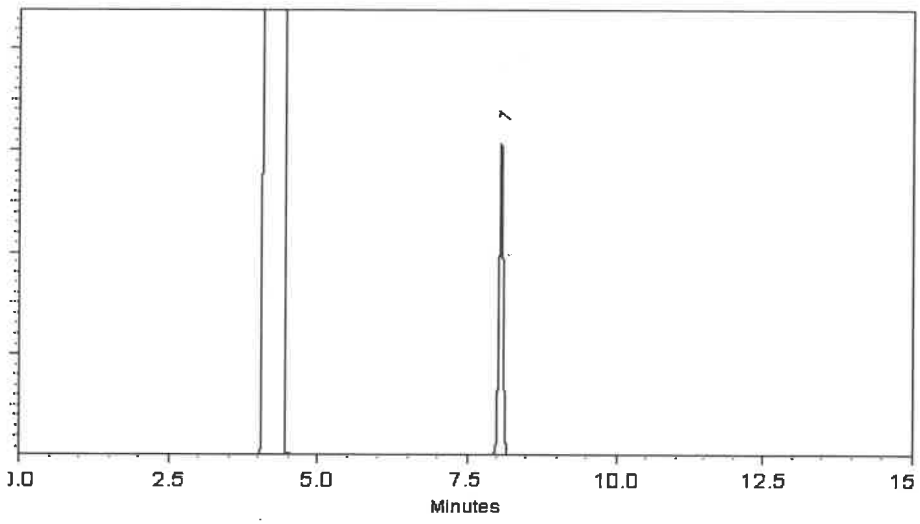
Inj. Temp:
200°C

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.

10 vial Rec 01/08/25

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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

V14793 to 14802

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-FL **Lot No.:** A0220563

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%	8,060.0 µg/mL	+/- 278.5905

* 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.)

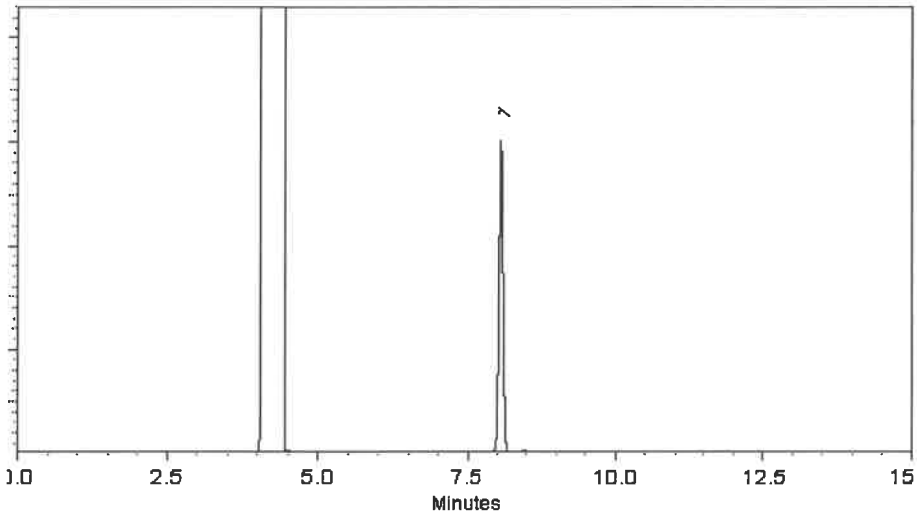
Inj. Temp:
200°C

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.

Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec 03/12/25

CERTIFIED REFERENCE MATERIAL

10 vials

Certificate of Analysis

gravimetric

V14885 – to – V14894

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. : 555583 **Lot No.:** A0223136

Description : Custom CLP VOA Internal Standard Mix

Custom CLP VOA Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°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-Difluorobenzene	540-36-3	MKCS8657	99%	25,024.0 µg/mL	+/- 1,417.2383
2	Bromochloromethane	74-97-5	S241017RSR	99%	25,060.0 µg/mL	+/- 1,419.2772
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,048.4 µg/mL	+/- 1,418.6202

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Penelope Riglin - Operations Tech I

Date Mixed: 10-Mar-2025 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

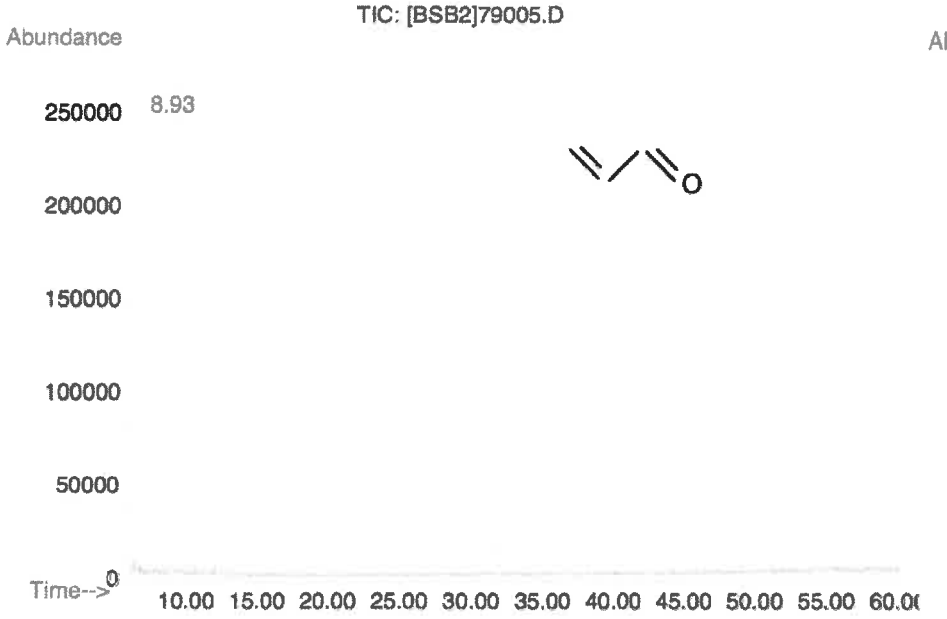
5E-05 Balance Uncertainty

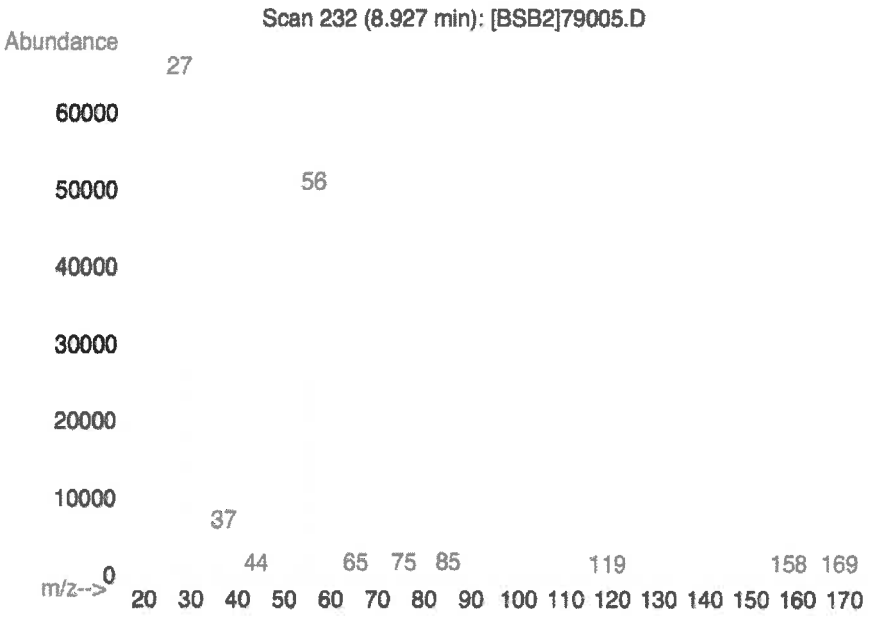
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

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www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

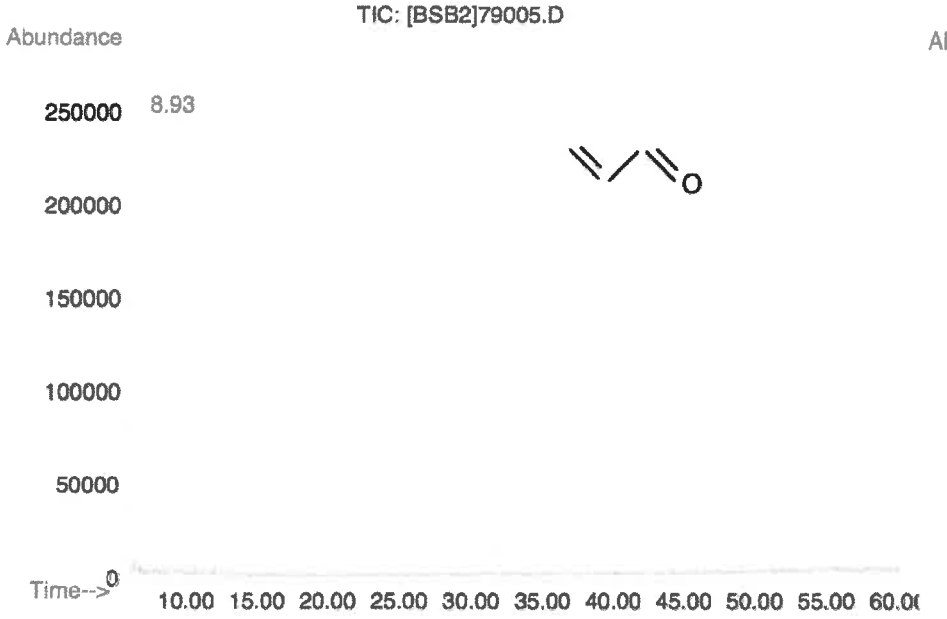
5E-05 Balance Uncertainty

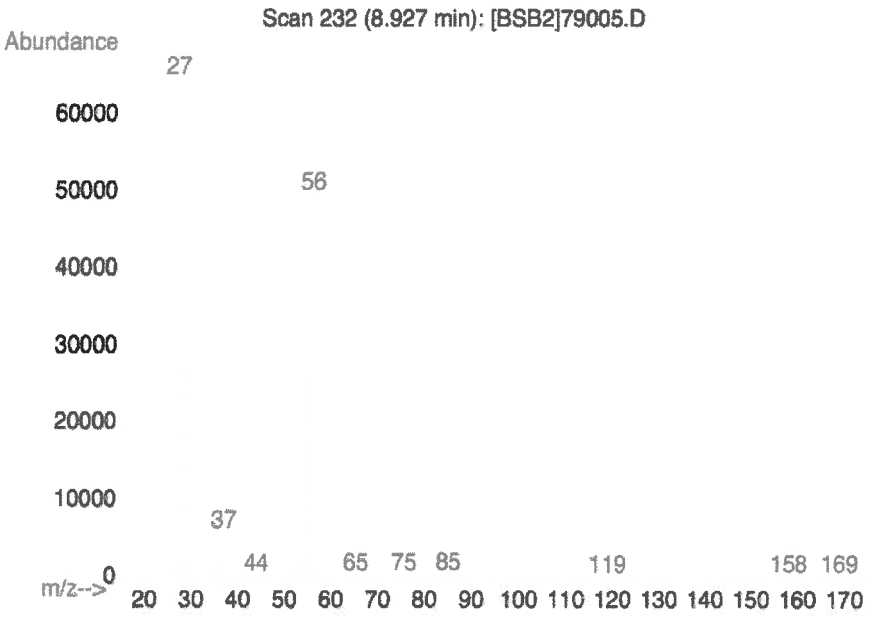
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Lawrence Barry	051925
Formulated By: Lawrence Barry	DATE
Pedro Rentas	051925
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

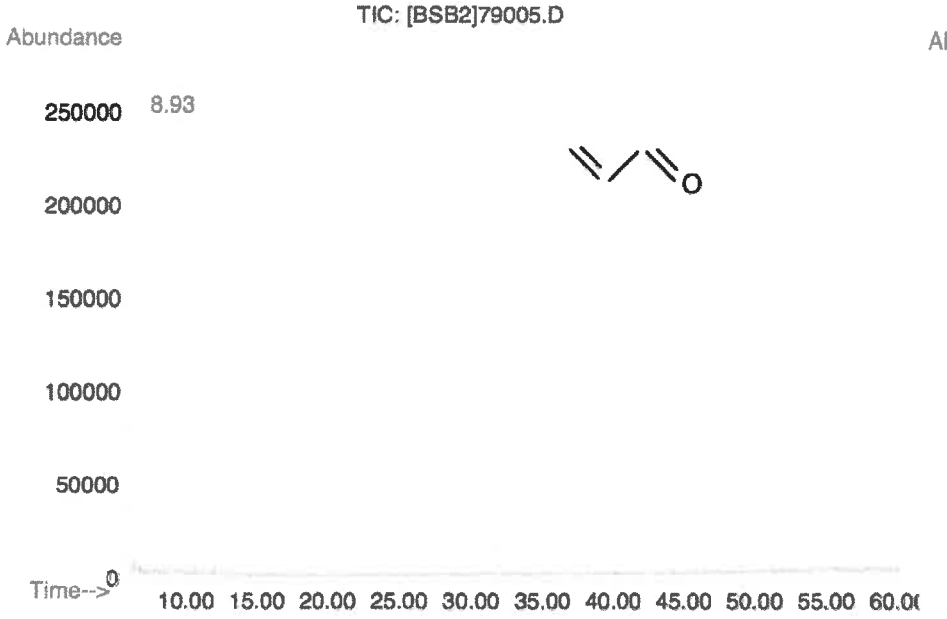
5E-05 Balance Uncertainty

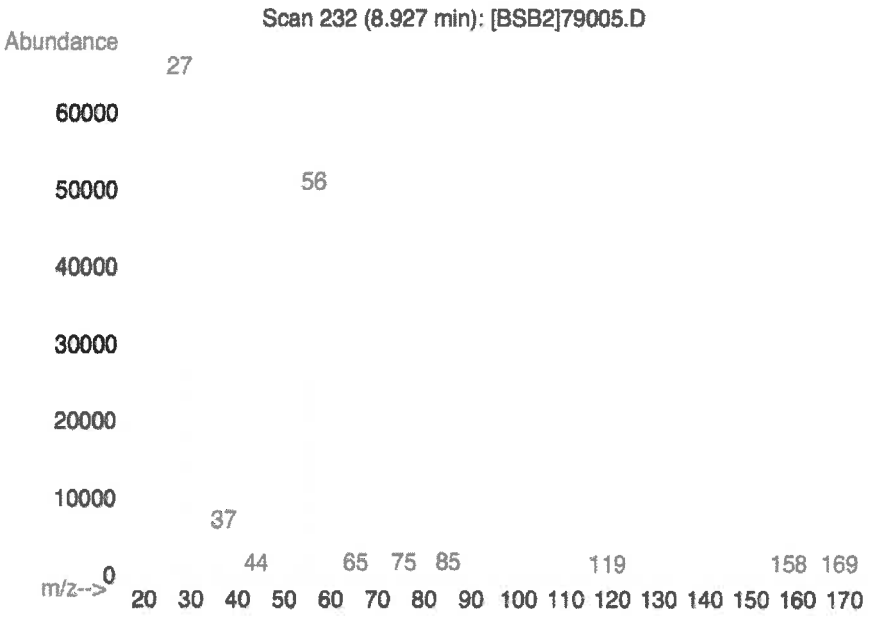
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

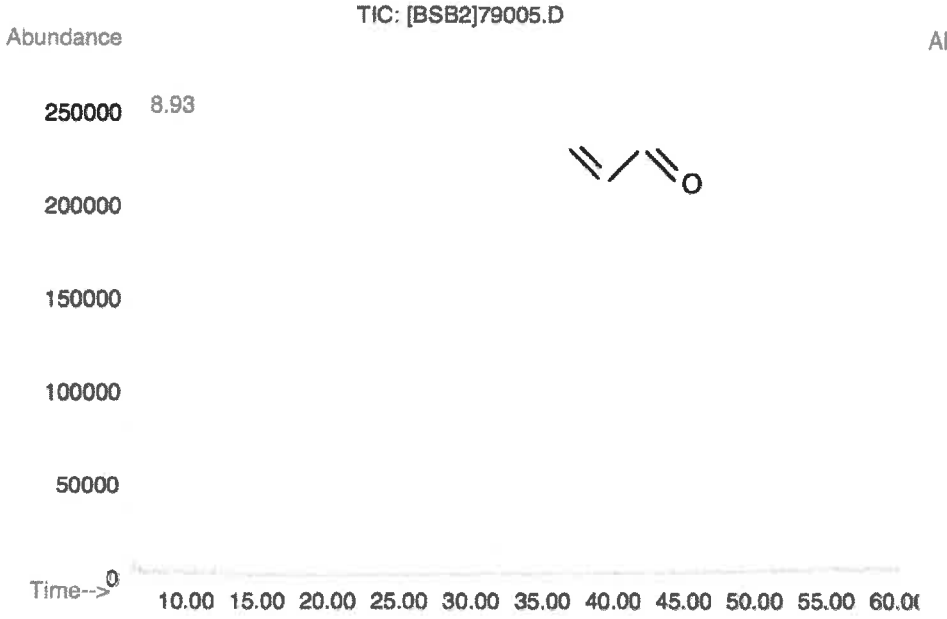
5E-05 Balance Uncertainty

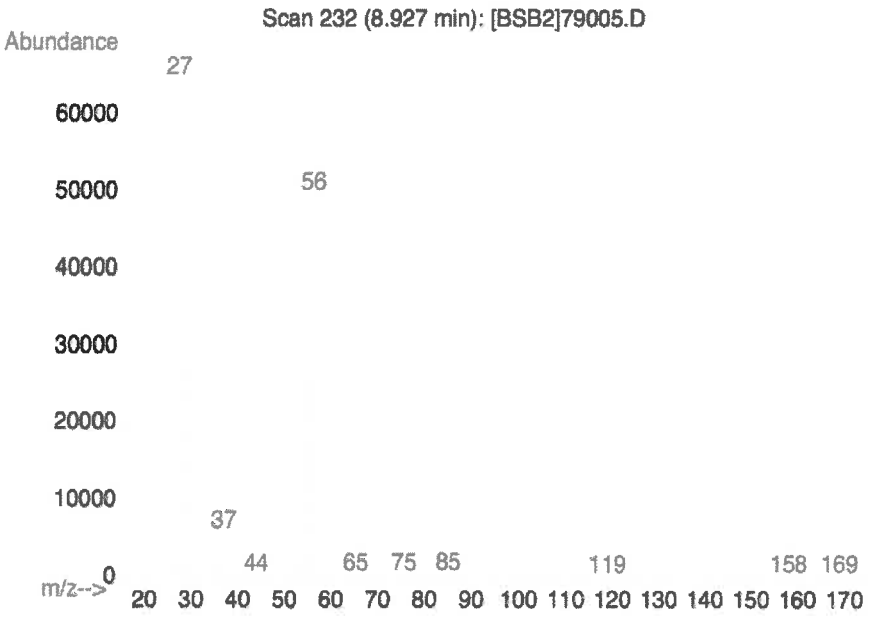
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

2 vial

V 14949-95V

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	051725
Description:	Acrolein
Expiration Date:	061725
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Water	041725Q

5E-05 Balance Uncertainty

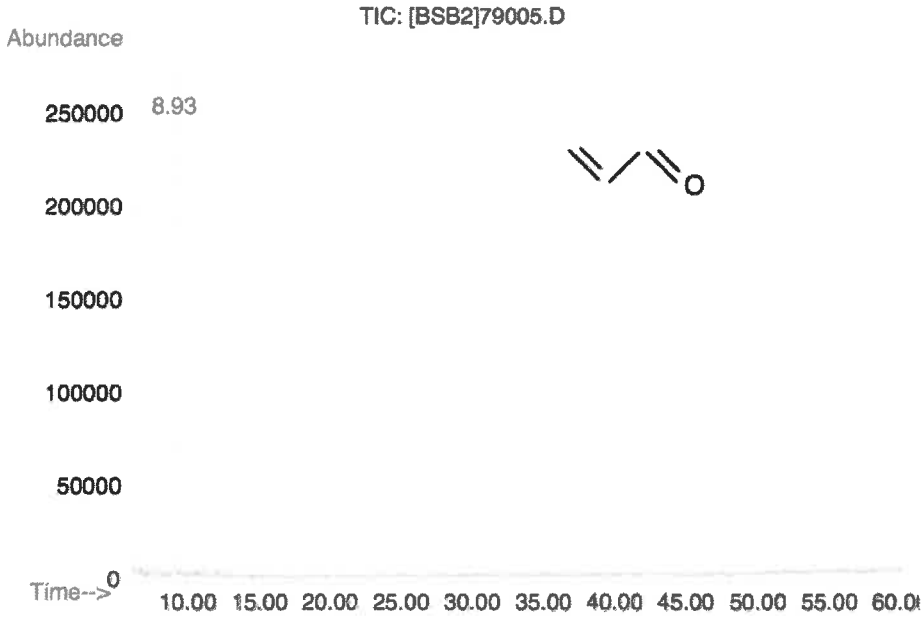
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

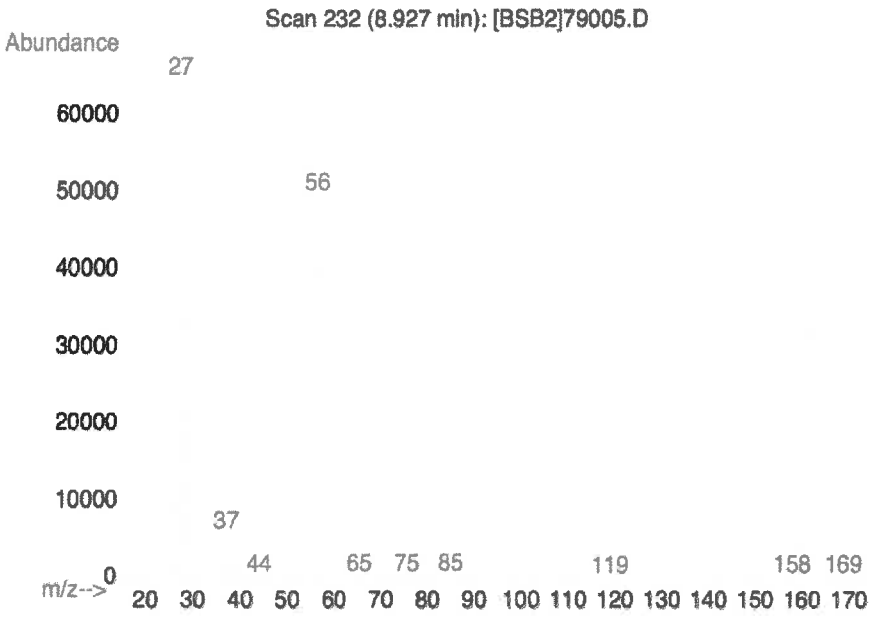
Justin Dippold 051725
Formulated By: Justin Dippold DATE

Pedro Rentas 051725
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

2 vial

V 14949-950

CERTIFIED WEIGHT REPORT

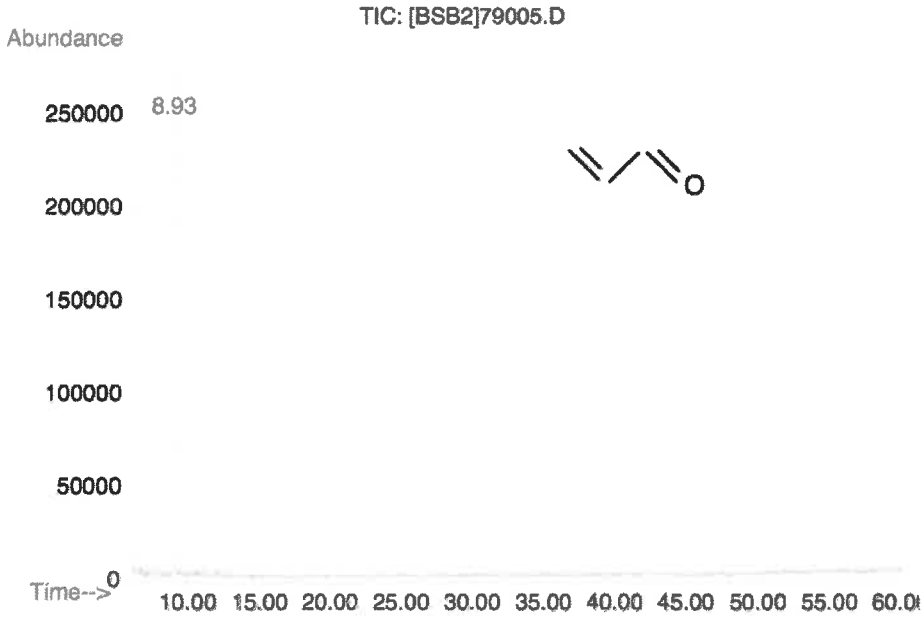
		Solvent(s):	Lot#
Part Number:	91980	Water	041725Q
Lot Number:	051725		
Description:	Acrolein		
Expiration Date:	061725		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	5000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	10.0	0.001 Flask Uncertainty	

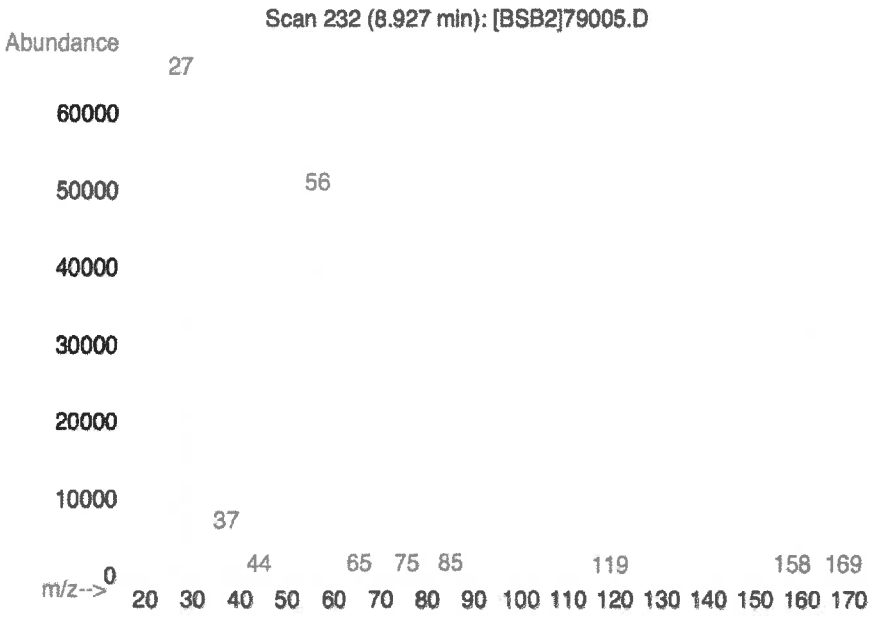
Justin Dippold 051725
Formulated By: Justin Dippold DATE

Pedro Rentas 051725
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Rev 1.0, 2/25/2025

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. Q2249
COC Number 2046478

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave., Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Ynfante John.Ynfante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D386822.1 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush 7-Day TAT (5 business days) 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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1: Site Specific VOCs (8260B-Low)
2 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES F/E	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-06-GW5-060525	GW		X	6/5/25	1310	3	X										F= Ascorbic acid preserved
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

PRESERVATIVES — ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1550 6/5/25	1. JT
2.		2.
3. JT	1730 6.5.25	3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: See work order for list of site specific VOC's
PO# 1480164511

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2249 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 6/5/2025 4:19:00 PM
Project Name : Former Schlumberger STC
Receive DateTime : 6/5/2025 ~~12:00:00~~ AM 17:30
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
Q2249-01	MW-06-6.5-060525	Water	06/05/2025	13:10					
					VOCMS Group3		8260-Low		~~10 Bus. Days~~ 5 BUS. DAYS

Relinguished By :
Date / Time : 6/6/25 0810

Sampled received on 6/5/25
placed in SM-REF-2

Received By :
Date / Time : 06/06/25 8:10

Storage Area : VOA Refridgerator Room