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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2254

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for Q2254

1) VOLATILES DATA 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) QC Data Summary For VOCMS Group1 13

- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) LCS/LCSD Summary 15
- 9.3) Method Blank Summary 17
- 9.4) GS/MS Tune Summary 18
- 9.5) Internal Standard Area and RT Summary 20

10) Sample Data 22

- 10.1) BP-VPB-182-GW-810-812 23

11) Calibration Data Summary 38

- 11.1) Initial Calibration Data 39
  - 11.1.1) VN060625 39
- 11.2) Continued Calibration Data 409
  - 11.2.1) VN086888.D 409
  - 11.2.2) VN086911.D 469

12) QC Sample Data 529

- 12.1) Tune Raw Data 530
- 12.2) Method Blank Data 532
- 12.3) LCS Data 544
- 12.4) LCSD Data 598

13) Manual Integration 652

14) Analytical Runlogs 655

15) Standard Prep Logs 663

16) Shipping Document 758

- 16.1) Chain Of Custody 759
- 16.2) Lab Certificate 760
- 16.3) Internal COC 761

17) Not Reviewed Data 762

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Cover Page

Order ID : Q2254

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2254-01	BP-VPB-182-GW-810-812

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: 6/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2254
Test Name: VOCMS Group1

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: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

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

The RPD for {VN0609WBSD01} with File ID: VN086902.D met criteria except for 2-Hexanone[23%], 4-Methyl-2-Pentanone[21%] and Acetone[24%] due to difference in results of BS and BSD.

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

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

The laboratory certifies that the all-electronic diskette deliverable exactly match the data Summary forms (i.e. Form Is)."

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Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
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: Q2254 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The RPD for {VN0609WBSD01} with File ID: VN086902.D met criteria except for 2-Hexanone[23%], 4-Methyl-2-Pentanone[21%] and Acetone[24%] due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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 #: Q2254

	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:** 06/12/2025

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LAB CHRONICLE

OrderID:	Q2254	**OrderDate:**	6/5/2025 4:40:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	D21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2254-01	**BP-VPB-182-GW-810-812**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group1	8260-Low			06/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2254

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-182-GW-810-812**								
Q2254-01	BP-VPB-182-GW-8	Water	Acetone	2.20	J	1.50	3.80	5.00	ug/L
Q2254-01	BP-VPB-182-GW-8	Water	Toluene	0.73	J	0.14	0.50	1.00	ug/L
Q2254-01	BP-VPB-182-GW-8	Water	m/p-Xylenes	0.32	J	0.24	1.00	2.00	ug/L
			Total Voc :	3.25					
			Total Concentration:	3.25					

QC SUMMARY

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Surrogate Summary

SDG No.: Q2254

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2254-01	BP-VPB-182-GW-810-812	1,2-Dichloroethane-d4	50	42.8	86	81	118
		Dibromofluoromethane	50	48.3	97	80	119
		Toluene-d8	50	50.0	100	89	112
		4-Bromofluorobenzene	50	48.0	96	85	114
VN0609WBL01	VN0609WBL01	1,2-Dichloroethane-d4	50	42.8	86	81	118
		Dibromofluoromethane	50	48.1	96	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
VN0609WBS01	VN0609WBS01	1,2-Dichloroethane-d4	50	56.6	113	81	118
		Dibromofluoromethane	50	58.6	117	80	119
		Toluene-d8	50	55.2	110	89	112
		4-Bromofluorobenzene	50	55.7	111	85	114
VN0609WBSD0	VN0609WBSD01	1,2-Dichloroethane-d4	50	44.5	89	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	48.2	96	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2254

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0609WBS01	Chloromethane	20	16.7	ug/L	84			50	139	
	Vinyl chloride	20	18.3	ug/L	92			58	137	
	Bromomethane	20	20.7	ug/L	104			53	141	
	Chloroethane	20	19.5	ug/L	98			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96			70	136	
	1,1-Dichloroethene	20	20.1	ug/L	101			71	131	
	Acetone	100	98.2	ug/L	98			39	160	
	Carbon disulfide	20	18.0	ug/L	90			64	133	
	Methyl tert-butyl Ether	20	22.9	ug/L	115			71	124	
	Methylene Chloride	20	20.5	ug/L	103			74	124	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			75	124	
	1,1-Dichloroethane	20	19.8	ug/L	99			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	19.3	ug/L	97			72	136	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			78	123	
	Chloroform	20	20.0	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	131	
	Methylcyclohexane	20	17.1	ug/L	86			72	132	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	21.4	ug/L	107			73	128	
	Trichloroethene	20	20.9	ug/L	104			79	123	
	1,2-Dichloropropane	20	20.8	ug/L	104			78	122	
	Bromodichloromethane	20	21.2	ug/L	106			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	21.9	ug/L	110			80	121	
	t-1,3-Dichloropropene	20	22.5	ug/L	113			73	127	
	cis-1,3-Dichloropropene	20	22.0	ug/L	110			75	124	
	1,1,2-Trichloroethane	20	22.8	ug/L	114			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	22.8	ug/L	114			74	126	
	Tetrachloroethene	20	19.5	ug/L	98			74	129	
	Chlorobenzene	20	20.9	ug/L	104			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.9	ug/L	102			80	121	
	o-Xylene	20	20.9	ug/L	104			78	122	
	Styrene	20	21.2	ug/L	106			78	123	
	Bromoform	20	23.7	ug/L	119			66	130	
	Isopropylbenzene	20	19.9	ug/L	100			72	131	
	1,1,2,2-Tetrachloroethane	20	23.4	ug/L	117			71	121	
	1,3-Dichlorobenzene	20	21.2	ug/L	106			80	119	
	1,4-Dichlorobenzene	20	21.1	ug/L	106			79	118	
	1,2-Dichlorobenzene	20	21.4	ug/L	107			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2254

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086902.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0609WBSD01	Chloromethane	20	15.5	ug/L	78	7		50	139	20
	Vinyl chloride	20	18.2	ug/L	91	1		58	137	20
	Bromomethane	20	17.0	ug/L	85	20		53	141	20
	Chloroethane	20	18.2	ug/L	91	7		60	138	20
	Trichlorofluoromethane	20	19.1	ug/L	96	0		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91	5		70	136	20
	1,1-Dichloroethene	20	19.5	ug/L	98	3		71	131	20
	Acetone	100	76.9	ug/L	77	24	*	39	160	20
	Carbon disulfide	20	17.5	ug/L	88	2		64	133	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	18		71	124	20
	Methylene Chloride	20	17.9	ug/L	90	13		74	124	20
	trans-1,2-Dichloroethene	20	18.7	ug/L	94	5		75	124	20
	1,1-Dichloroethane	20	18.4	ug/L	92	7		77	125	20
	2-Butanone	100	82.3	ug/L	82	20		56	143	20
	Carbon Tetrachloride	20	19.4	ug/L	97	0		72	136	20
	cis-1,2-Dichloroethene	20	18.9	ug/L	95	11		78	123	20
	Chloroform	20	18.4	ug/L	92	8		79	124	20
	1,1,1-Trichloroethane	20	18.6	ug/L	93	4		74	131	20
	Methylcyclohexane	20	16.3	ug/L	81	6		72	132	20
	Benzene	20	19.0	ug/L	95	6		79	120	20
	1,2-Dichloroethane	20	18.8	ug/L	94	13		73	128	20
	Trichloroethene	20	20.4	ug/L	102	2		79	123	20
	1,2-Dichloropropane	20	18.6	ug/L	93	11		78	122	20
	Bromodichloromethane	20	19.2	ug/L	96	10		79	125	20
	4-Methyl-2-Pentanone	100	89.3	ug/L	89	21	*	67	130	20
	Toluene	20	19.8	ug/L	99	11		80	121	20
	t-1,3-Dichloropropene	20	19.8	ug/L	99	13		73	127	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	12		75	124	20
	1,1,2-Trichloroethane	20	19.7	ug/L	99	14		80	119	20
	2-Hexanone	100	86.5	ug/L	87	23	*	57	139	20
	Dibromochloromethane	20	20.4	ug/L	102	11		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	2		74	129	20
	Chlorobenzene	20	20.3	ug/L	102	2		82	118	20
	Ethyl Benzene	20	19.5	ug/L	98	1		79	121	20
	m/p-Xylenes	40	39.7	ug/L	99	3		80	121	20
	o-Xylene	20	20.1	ug/L	101	3		78	122	20
	Styrene	20	20.1	ug/L	101	5		78	123	20
	Bromoform	20	21.5	ug/L	108	10		66	130	20
	Isopropylbenzene	20	20.0	ug/L	100	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108	8		71	121	20
	1,3-Dichlorobenzene	20	20.6	ug/L	103	3		80	119	20
	1,4-Dichlorobenzene	20	20.7	ug/L	104	2		79	118	20
	1,2-Dichlorobenzene	20	21.1	ug/L	106	1		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0609WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG NO.: Q2254

Lab File ID: VN086890.D Lab Sample ID: VN0609WBL01

Date Analyzed: 06/09/2025 Time Analyzed: 09:33

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025
BP-VPB-182-GW-810-812	Q2254-01	VN086894.D	06/09/2025
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG NO.: Q2254

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG NO.: Q2254

Lab File ID: VN086887.D BFB Injection Date: 06/09/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:04

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	46.4
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	70.4 (95.8) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 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	VN086888.D	06/09/2025	08:37
VN0609WBL01	VN0609WBL01	VN086890.D	06/09/2025	09:33
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025	10:50
BP-VPB-182-GW-810-812	Q2254-01	VN086894.D	06/09/2025	11:12
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025	14:04
VSTDCCC050EC	VSTDCCC050	VN086911.D	06/09/2025	17:17

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG NO.: Q2254

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	261450	8.23	451735	9.11	380922	11.87
UPPER LIMIT	522900	8.729	903470	9.606	761844	12.365
LOWER LIMIT	130725	7.729	225868	8.606	190461	11.365
EPA SAMPLE NO.						
BP-VPB-182-GW-810-812	313915	8.23	549826	9.11	462153	11.87
VN0609WBL01	390256	8.23	684606	9.11	591728	11.87
VN0609WBS01	266986	8.23	481053	9.11	422488	11.87
VN0609WBSD01	261604	8.23	462540	9.11	392287	11.87

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: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG NO.: Q2254

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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

	IS4 AREA #	RT #				
12 HOUR STD	178512	13.788				
UPPER LIMIT	357024	14.288				
LOWER LIMIT	89256	13.288				
EPA SAMPLE NO.						
BP-VPB-182-GW-810-812	222690	13.79				
VN0609WBL01	288224	13.79				
VN0609WBS01	202169	13.79				
VN0609WBSD01	182953	13.79				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	BP-VPB-182-GW-810-812	SDG No.:	Q2254
Lab Sample ID:	Q2254-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086894.D	1		06/09/25 11:12	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.20	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.73	J	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	BP-VPB-182-GW-810-812	SDG No.:	Q2254
Lab Sample ID:	Q2254-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086894.D	1		06/09/25 11:12	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	0.32	J	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.8		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	50.0		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	314000	8.229				
540-36-3	1,4-Difluorobenzene	550000	9.106				
3114-55-4	Chlorobenzene-d5	462000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	223000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D.					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/05/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/05/25
Client Sample ID:	BP-VPB-182-GW-810-812	SDG No.:	Q2254
Lab Sample ID:	Q2254-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086894.D	1		06/09/25 11:12	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Quant Time: Jun 09 13:27:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

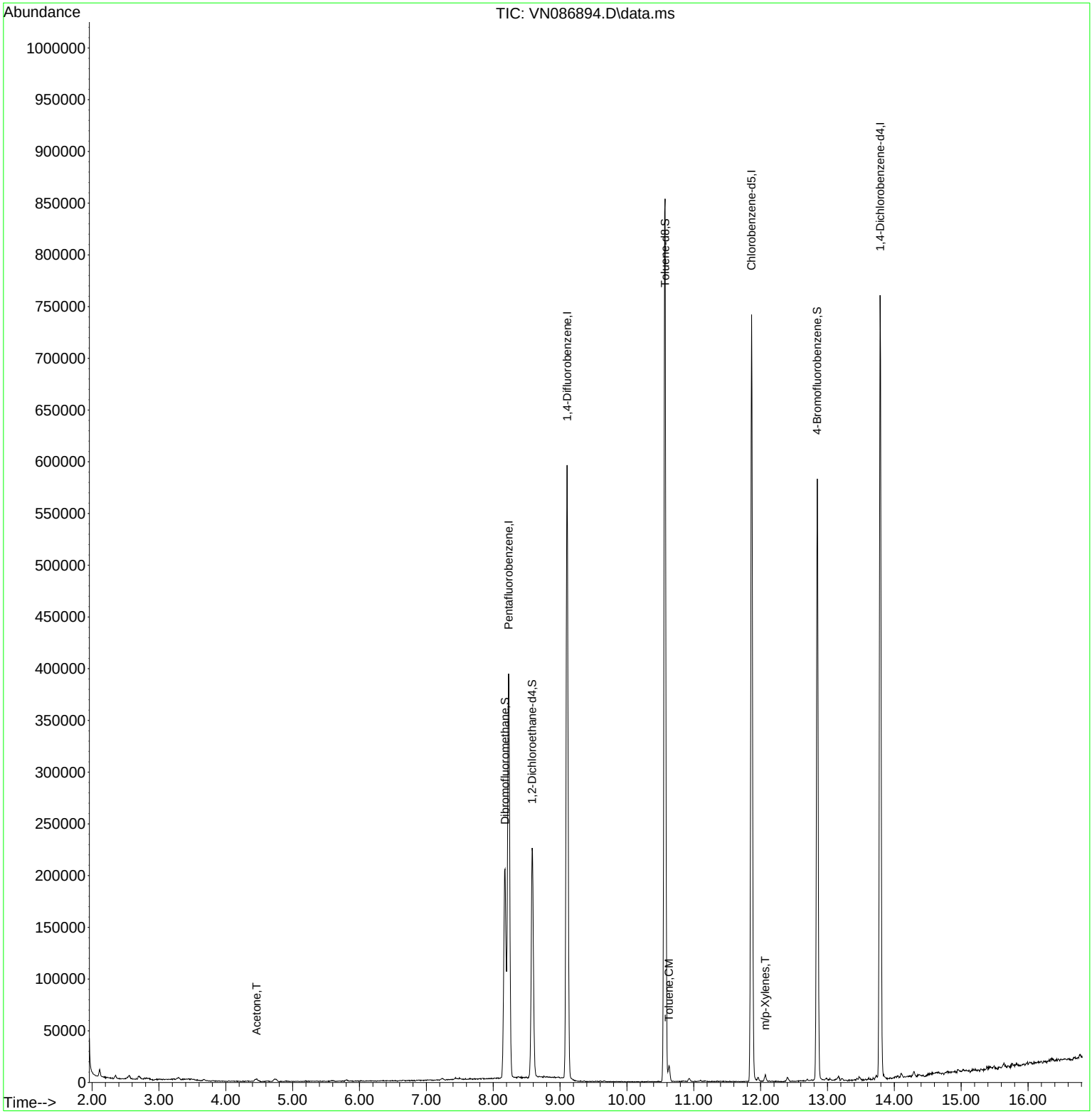
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	313915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	462153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	222690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179677	42.750	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.500%		
35) Dibromofluoromethane	8.177	113	157362	48.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.580%		
50) Toluene-d8	10.571	98	644850	49.992	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.980%		
62) 4-Bromofluorobenzene	12.847	95	229953	47.983	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.960%		
Target Compounds						Qvalue
16) Acetone	4.459	43	4943	2.218	ug/l	96
52) Toluene	10.629	92	7042	0.726	ug/l	93
68) m/p-Xylenes	12.070	106	2159	0.321	ug/l	89

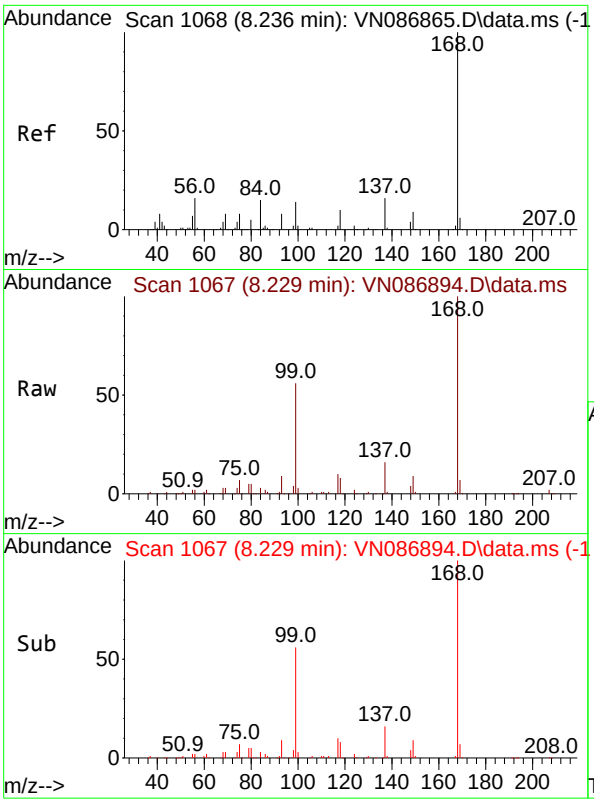
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Quant Time: Jun 09 13:27:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



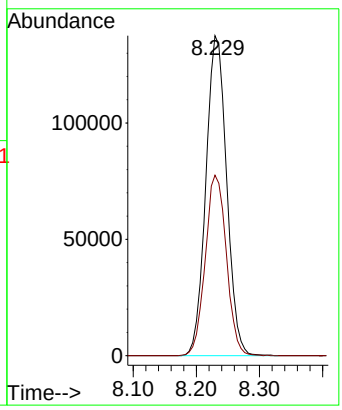


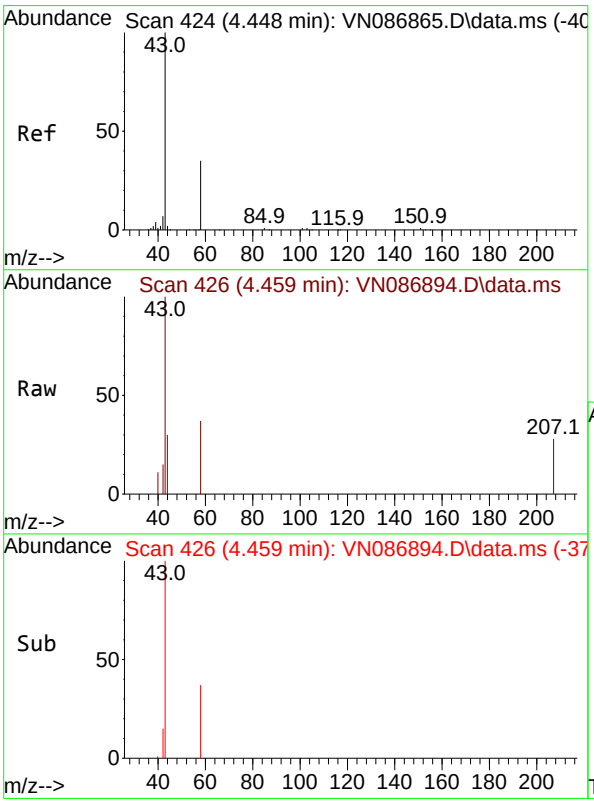
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion:168 Resp: 313915

Ion	Ratio	Lower	Upper
168	100		
99	56.4	49.1	73.7

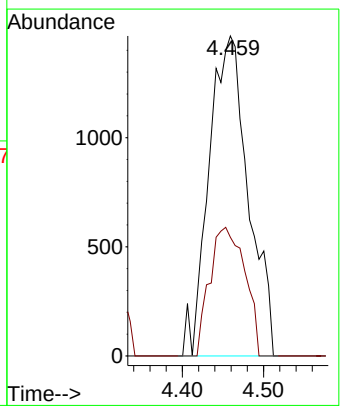


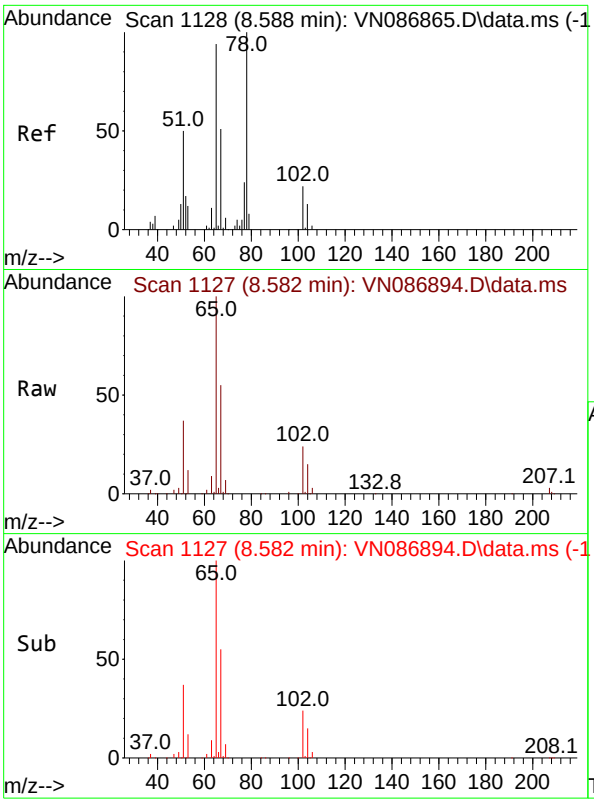


#16
Acetone
Concen: 2.218 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 43 Resp: 4943

Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.0	42.0



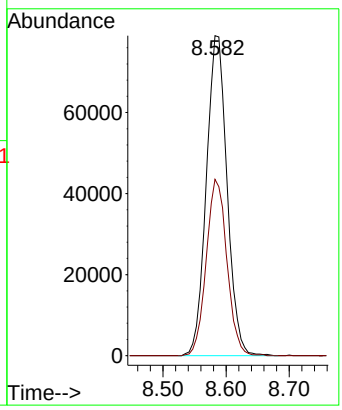


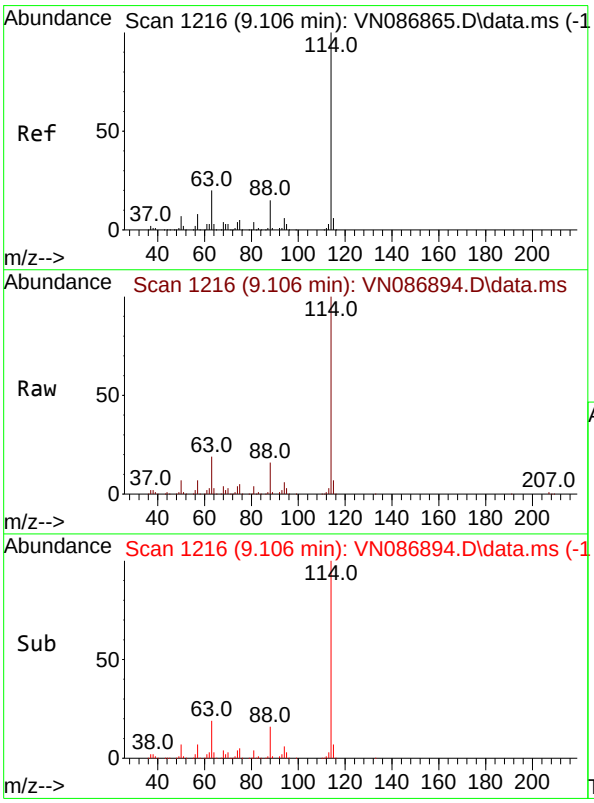
#33
1,2-Dichloroethane-d4
Concen: 42.750 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion: 65 Resp: 179677

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	105.6

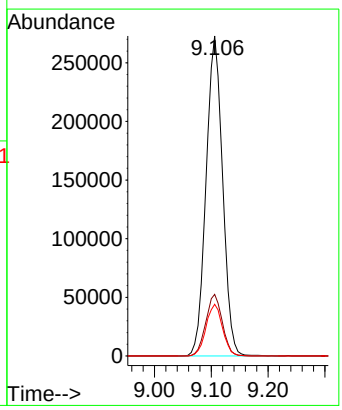


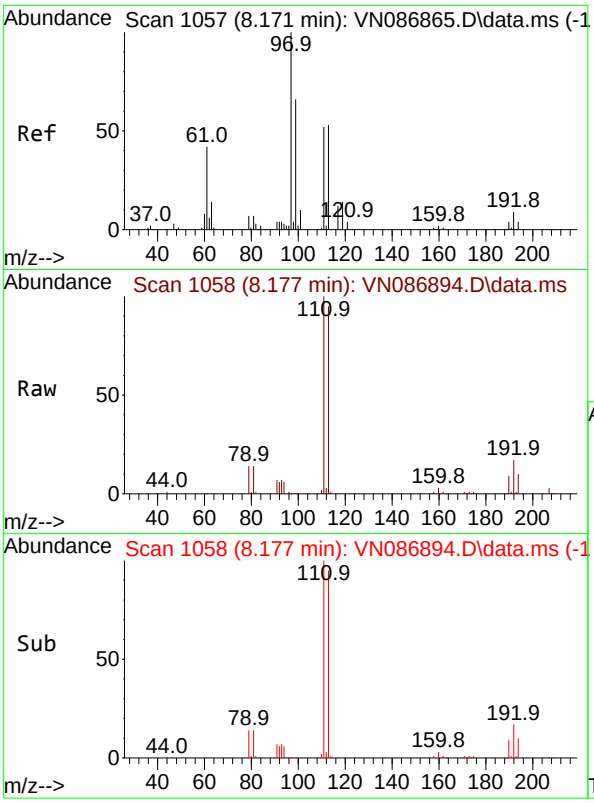


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion:114 Resp: 549826

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.6
88	16.2	0.0	30.2



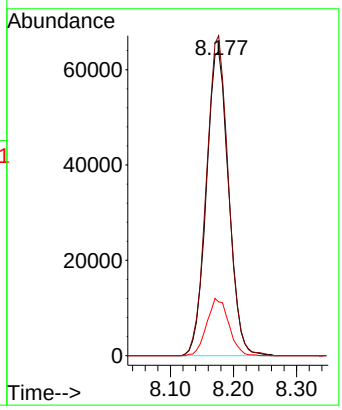


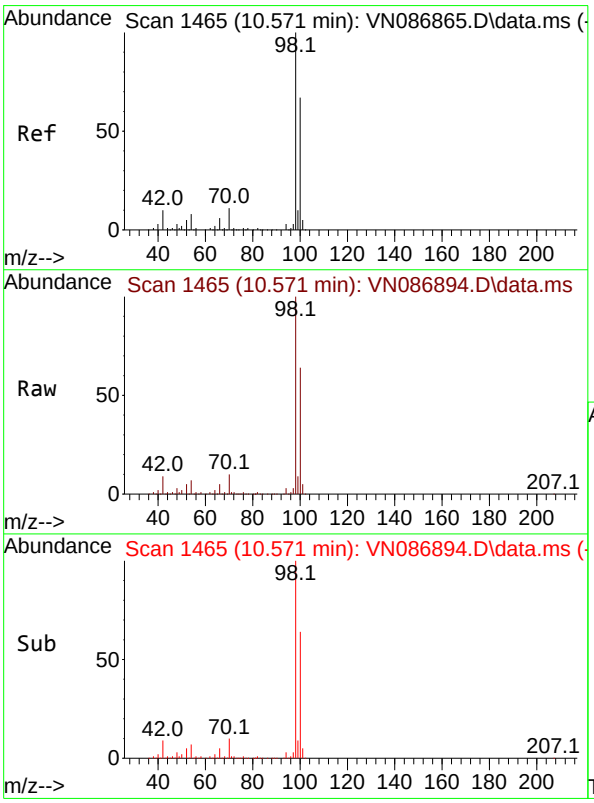
#35
Dibromofluoromethane
Concen: 48.294 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion:113 Resp: 157362

Ion	Ratio	Lower	Upper
113	100		
111	103.3	84.2	126.2
192	18.4	14.2	21.4

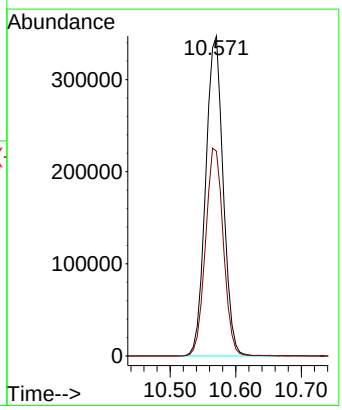


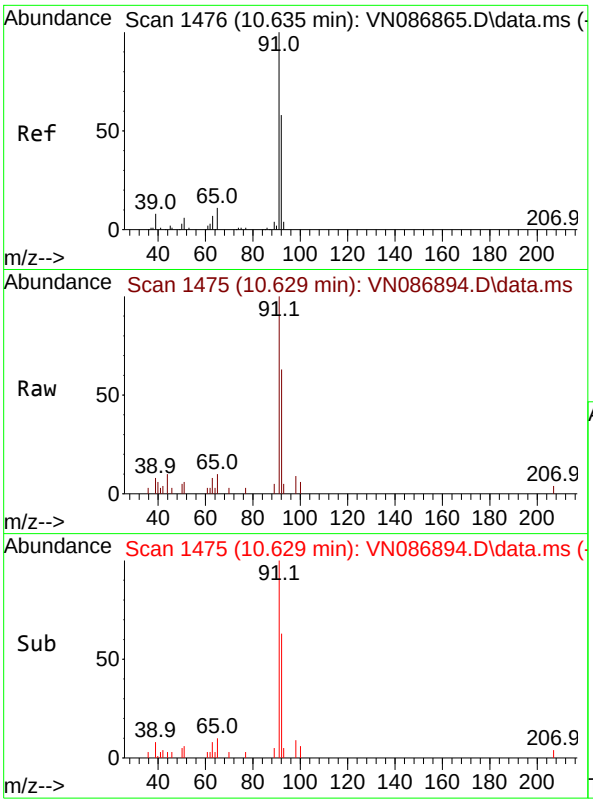


#50
Toluene-d8
Concen: 49.992 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 98 Resp: 644850

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0



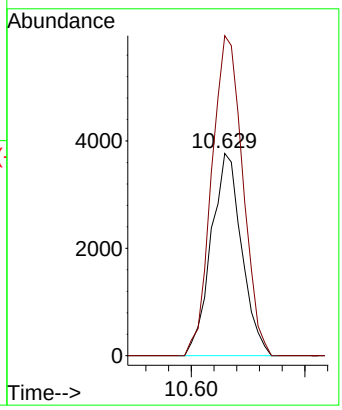


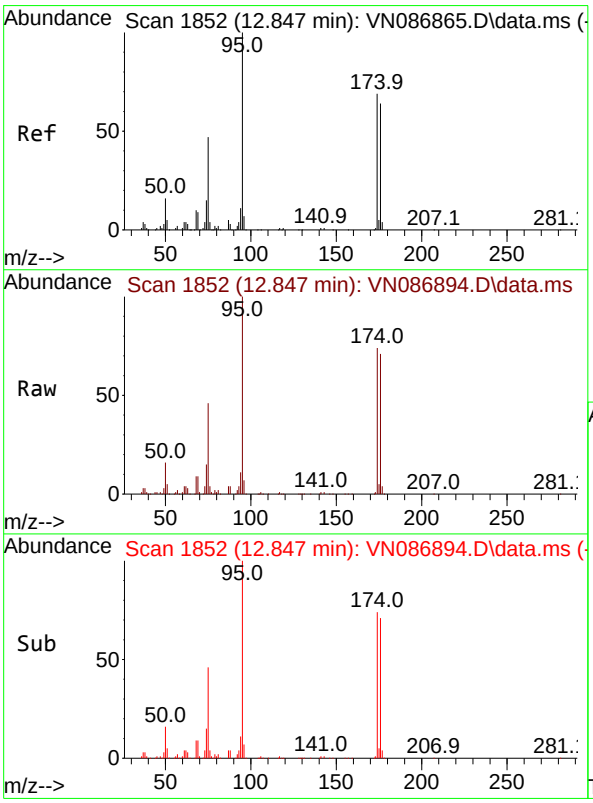
#52
Toluene
Concen: 0.726 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion: 92 Resp: 7042

Ion	Ratio	Lower	Upper
92	100		
91	160.9	136.5	204.7

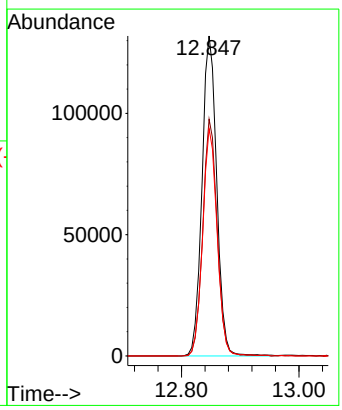


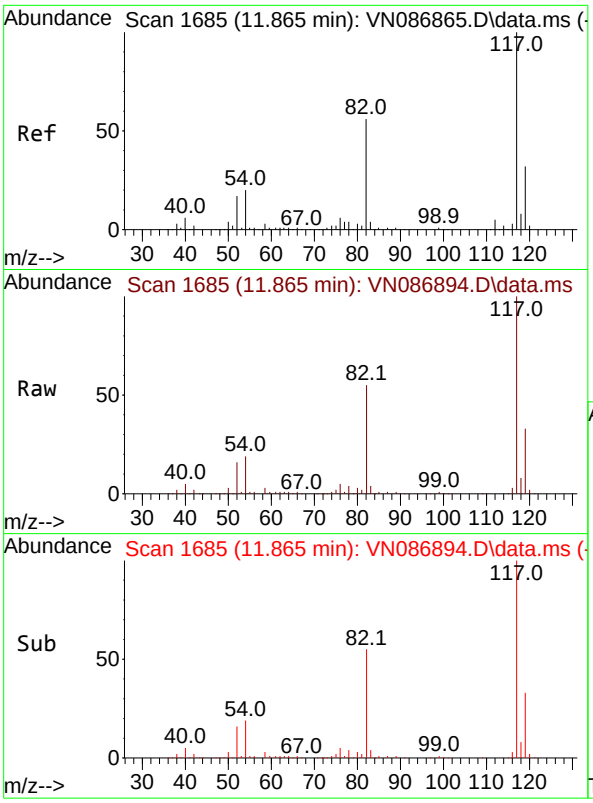


#62
4-Bromofluorobenzene
Concen: 47.983 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion: 95 Resp: 229953

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.8
176	69.7	0.0	132.6



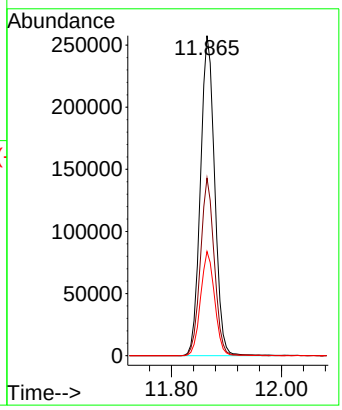


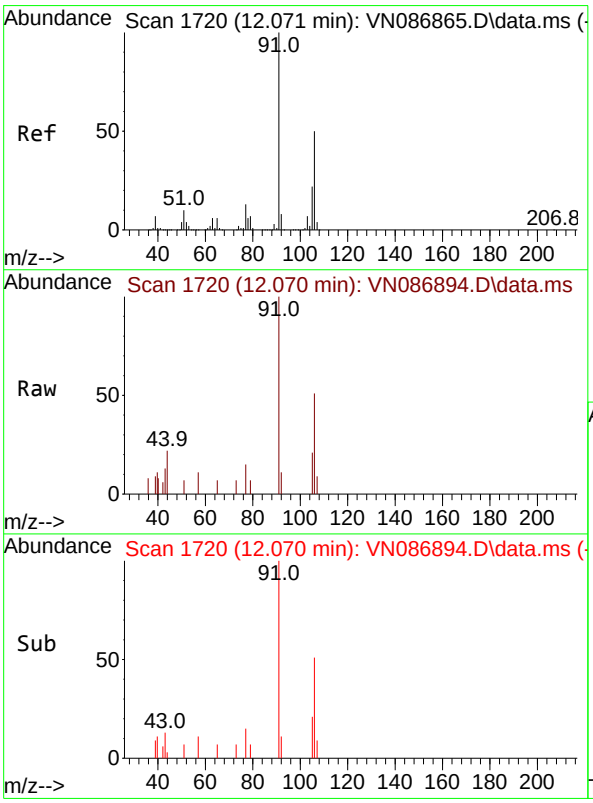
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion:117 Resp: 462153

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	67.0
119	32.5	25.5	38.3

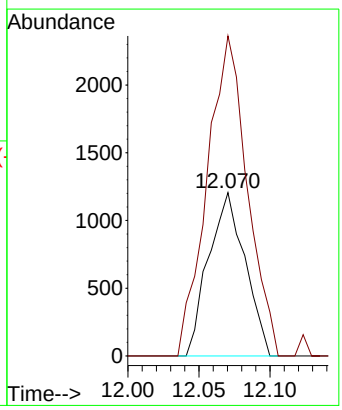


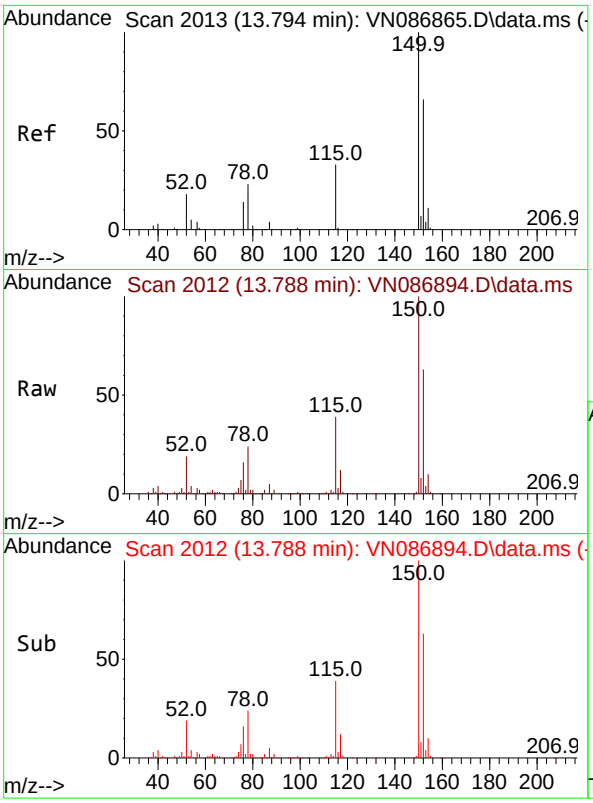


#68
m/p-Xylenes
Concen: 0.321 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Tgt Ion:106 Resp: 2159

Ion	Ratio	Lower	Upper
106	100		
91	216.0	159.4	239.0



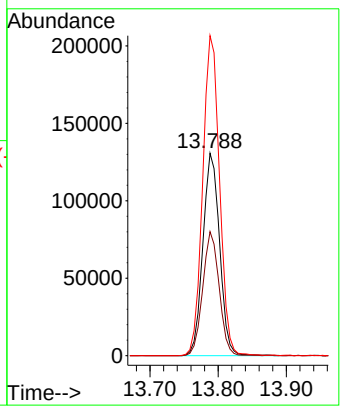


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086894.D
Acq: 09 Jun 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Tgt Ion:152 Resp: 222690

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	159.6	0.0	345.0



Sample Results: **VN086894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1046	1058	1062	rBV	202177	494045	30.65%	5.921%
2	8.229	1062	1067	1081	rVB	390564	889323	55.17%	10.658%
3	8.582	1116	1127	1142	rBV	222553	513870	31.88%	6.159%
4	9.106	1207	1216	1229	rVB	593380	1200859	74.50%	14.392%
5	10.571	1455	1465	1472	rBV	853648	1611936	100.00%	19.319%
6	10.629	1472	1475	1483	rVB	15441	27831	1.73%	0.334%
7	11.865	1678	1685	1696	rBV	740749	1318108	81.77%	15.797%
8	12.847	1843	1852	1865	rBV	581199	992532	61.57%	11.895%
9	13.788	2005	2012	2028	rVB	757535	1295426	80.36%	15.525%

Sum of corrected areas: 8343930

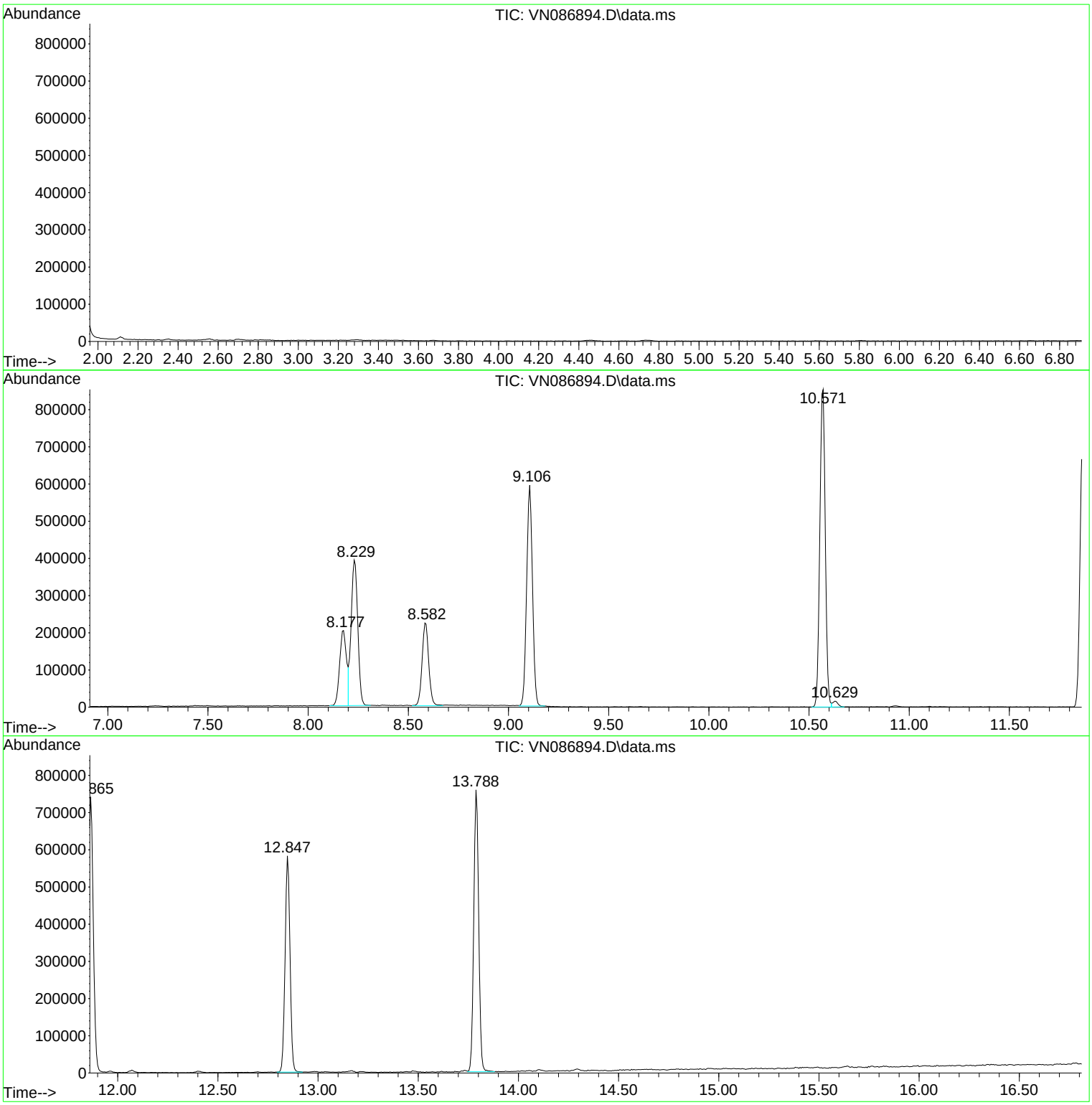
Sample Results: **VN086894.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086894.D
Acq On : 09 Jun 2025 11:12
Operator : JC\MD
Sample : Q2254-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-810-812

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

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

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

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

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.712	93	1835	0.999	ug/l		94
47) Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48) Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49) 1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52) Toluene	10.635	92	7227	1.041	ug/l		95
53) t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55) 1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56) Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57) 1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59) 2-Hexanone	11.235	43	12295m	4.466	ug/l		
60) Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61) 1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64) Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65) Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67) Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68) m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69) o-Xylene	12.400	106	4970	1.025	ug/l		93
70) Styrene	12.417	104	8189	0.987	ug/l		98
71) Bromoform	12.582	173	1508	0.825	ug/l	#	78
73) Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74) N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76) 1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77) Bromobenzene	12.982	156	2913	1.042	ug/l		96
78) n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79) 2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82) 4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83) tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85) sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86) p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88) 1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89) n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90) Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93) 1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94) Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95) Naphthalene	15.635	128	12789	1.018	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

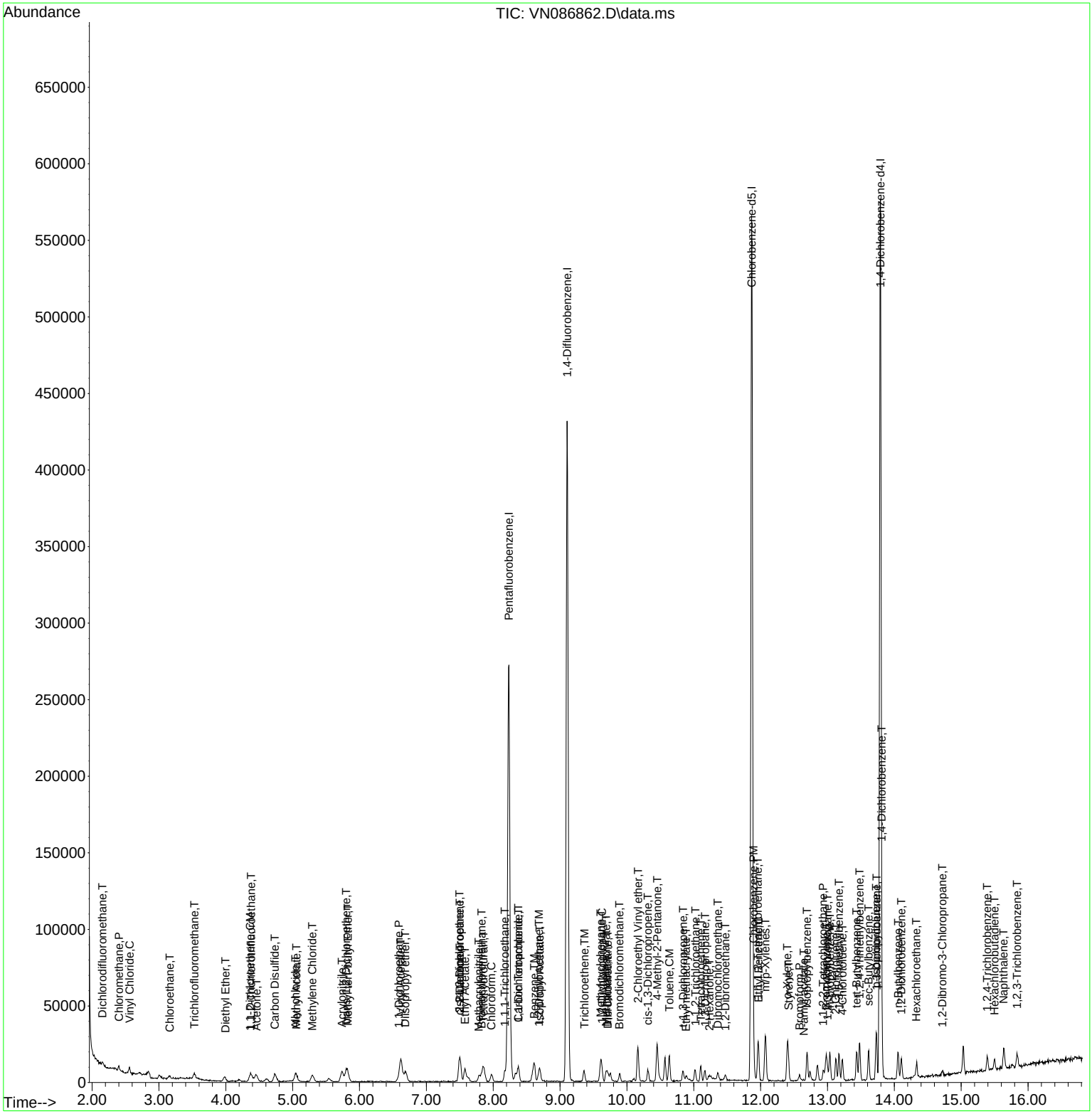
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Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

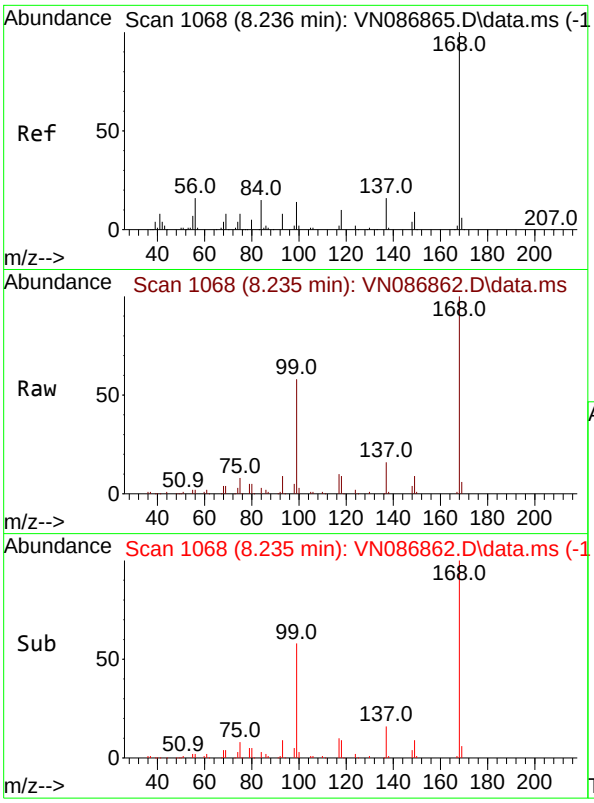
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

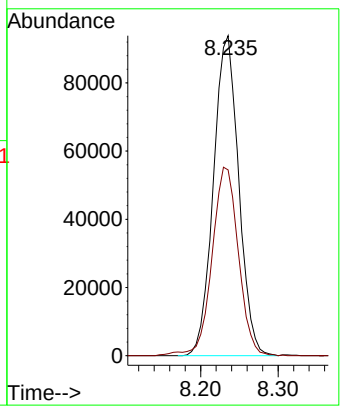




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:168 Resp: 21268

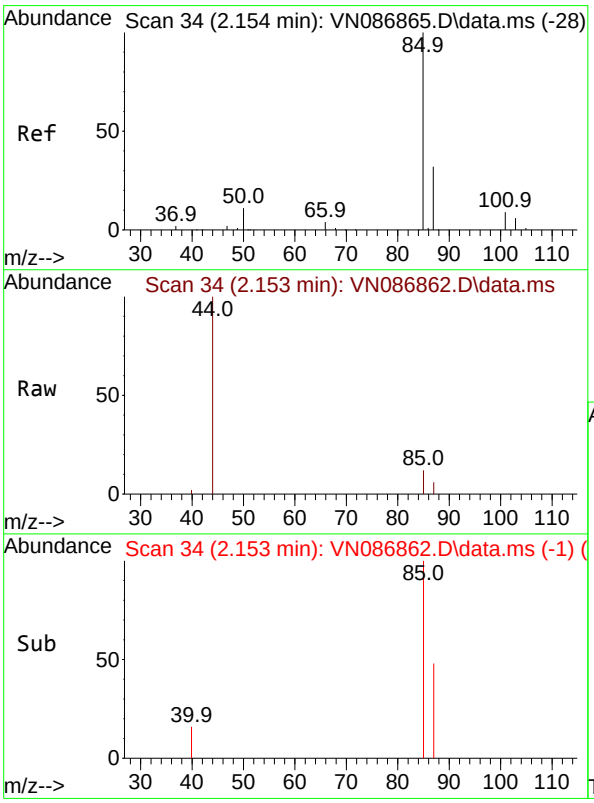
Ion	Ratio	Lower	Upper
168	100		
99	58.1	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

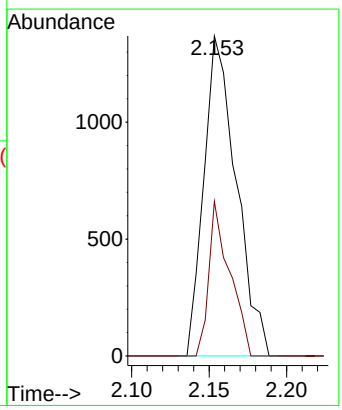
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

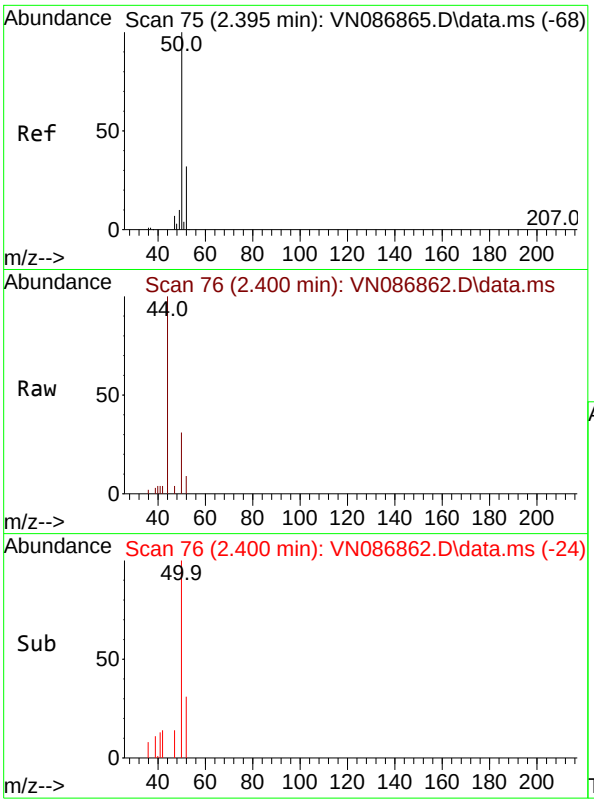


#2
Dichlorodifluoromethane
Concen: 0.936 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 85 Resp: 1985

Ion	Ratio	Lower	Upper
85	100		
87	48.3	16.2	48.6

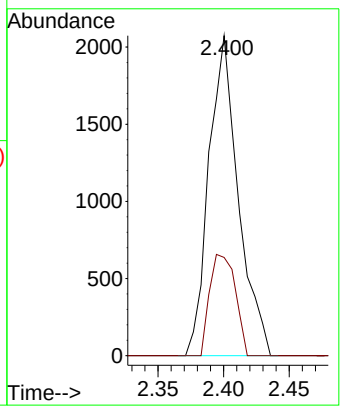




#3
Chloromethane
Concen: 1.184 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 50 Resp: 324

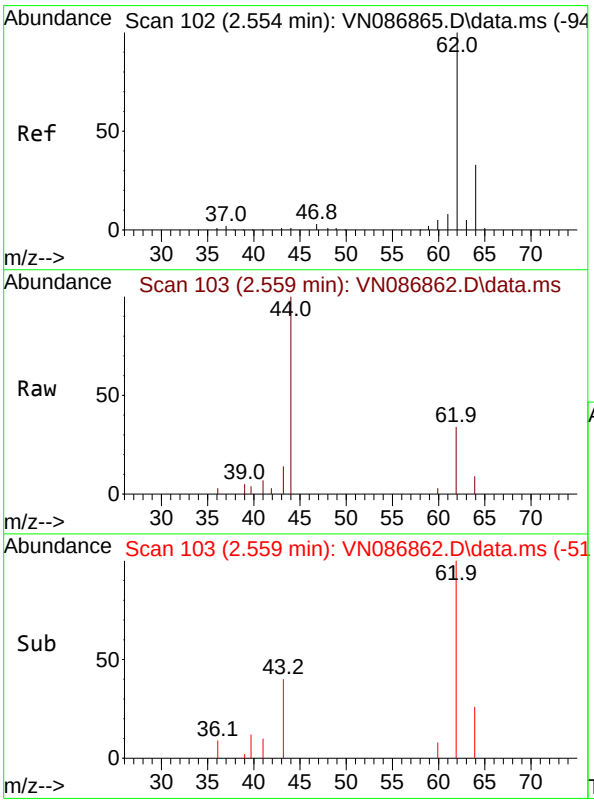
Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

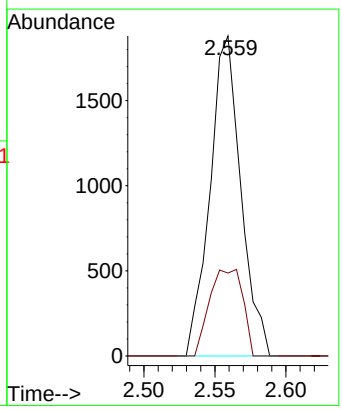
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

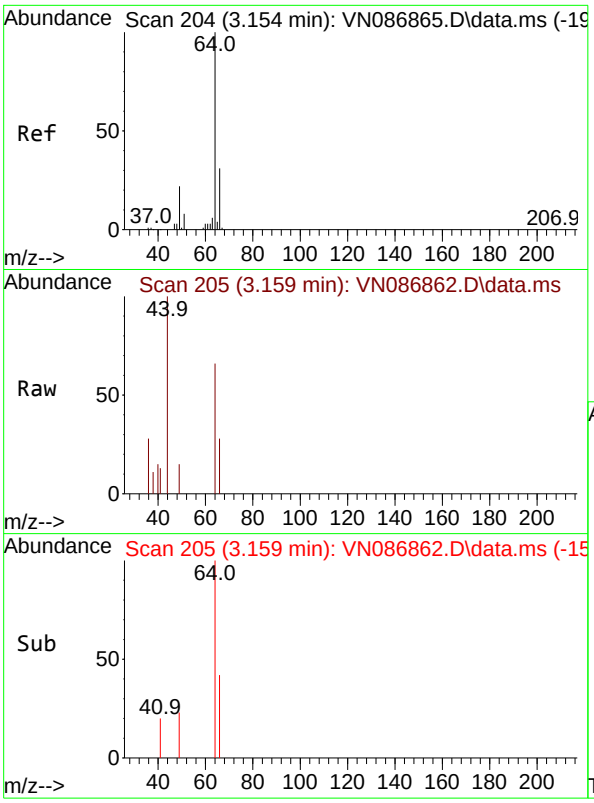


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 2848

Ion	Ratio	Lower	Upper
62	100		
64	25.9	26.0	39.0#

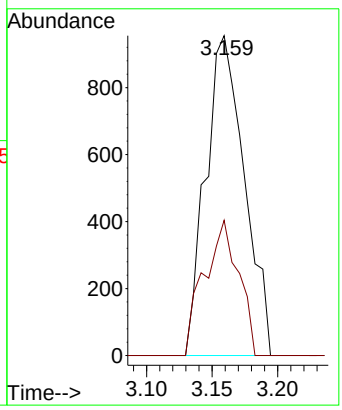




#6
Chloroethane
Concen: 1.073 ug/l
RT: 3.159 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 64 Resp: 195

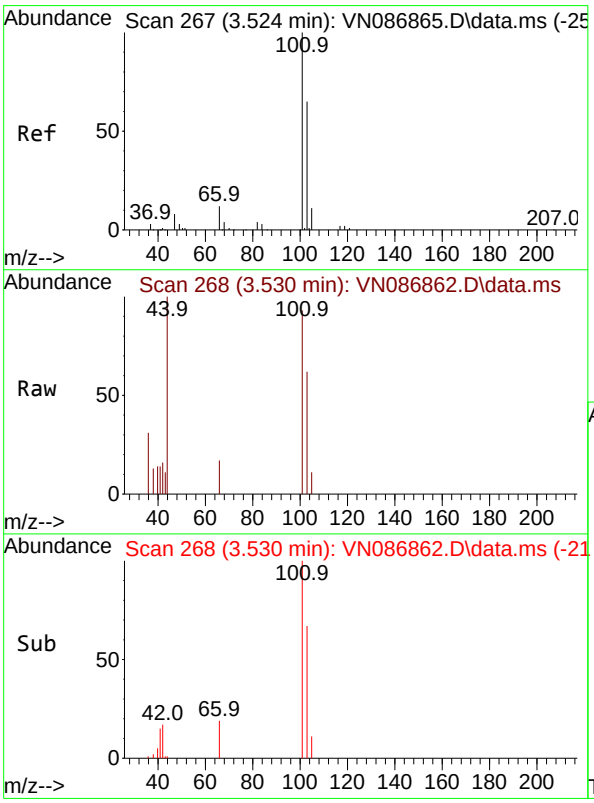
Ion	Ratio	Lower	Upper
64	100		
66	42.3	24.6	36.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

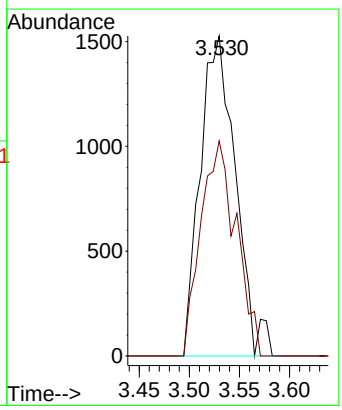
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

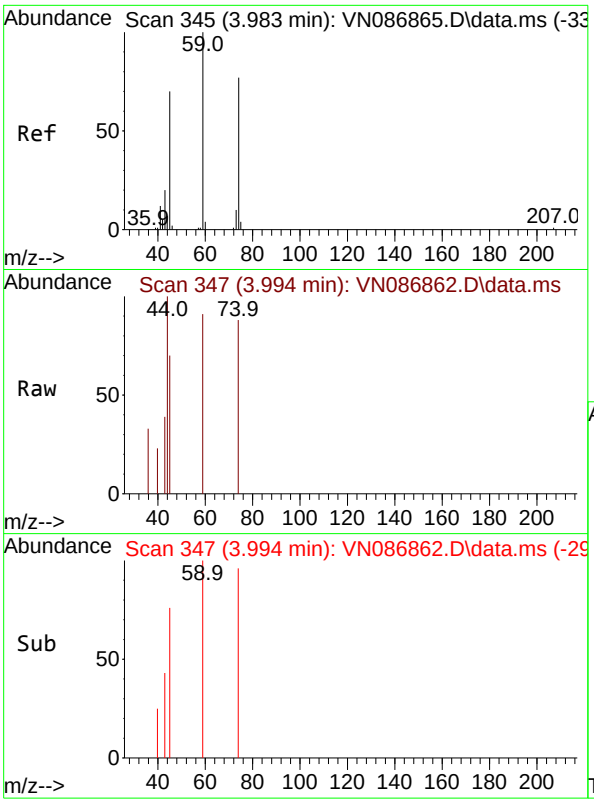


#7
Trichlorofluoromethane
Concen: 1.017 ug/l
RT: 3.530 min Scan# 268
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:101 Resp: 3752

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.2

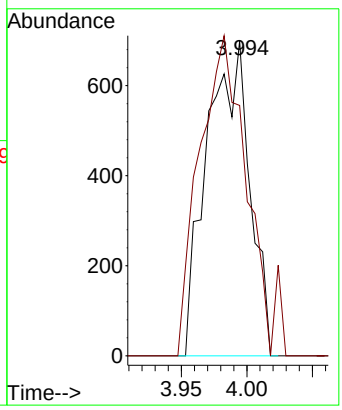




#8
Diethyl Ether
Concen: 0.984 ug/l
RT: 3.994 min Scan# 34
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 74 Resp: 158

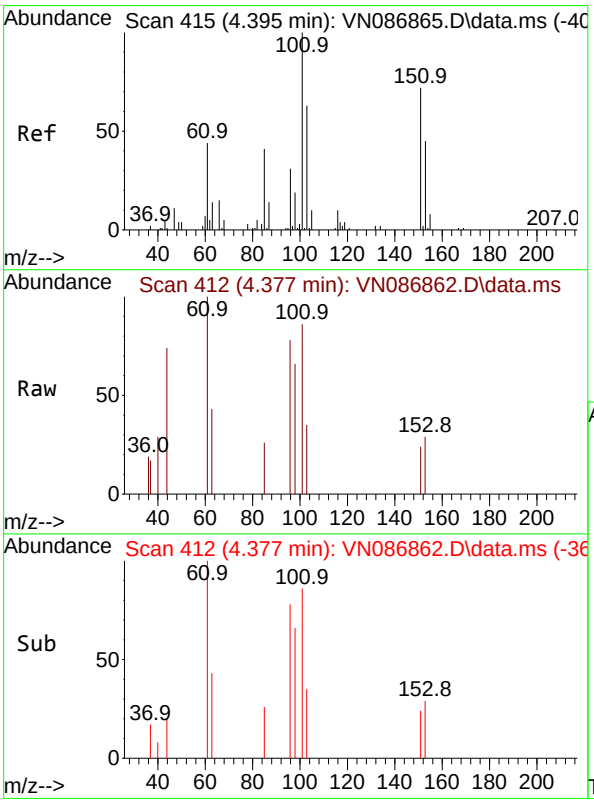
Ion	Ratio	Lower	Upper
74	100		
45	113.8	45.5	136.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

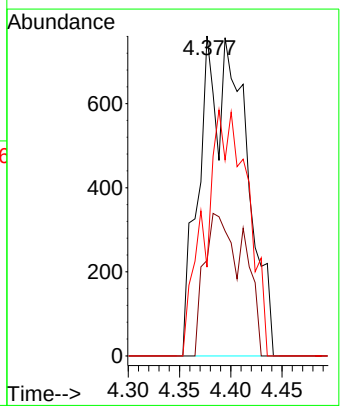
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

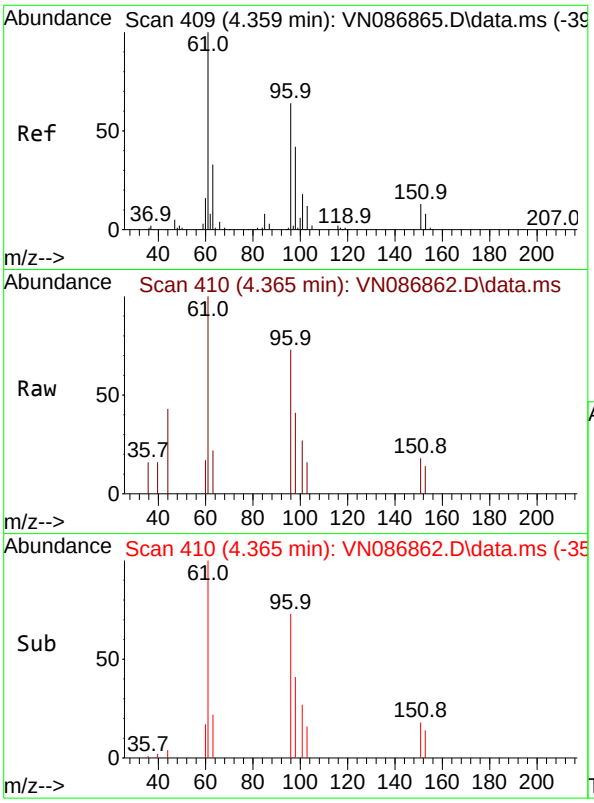


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.017 ug/l m
RT: 4.377 min Scan# 412
Delta R.T. -0.018 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:101 Resp: 2358

Ion	Ratio	Lower	Upper
101	100		
85	27.8	33.8	50.8#
151	72.1	58.7	88.1

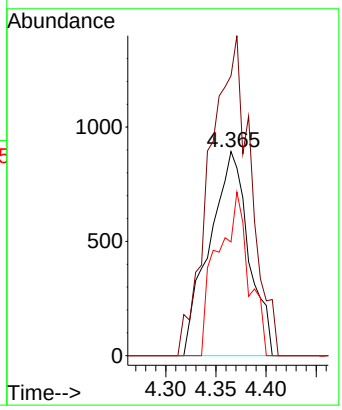




#12
1,1-Dichloroethene
Concen: 1.029 ug/l
RT: 4.365 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 243

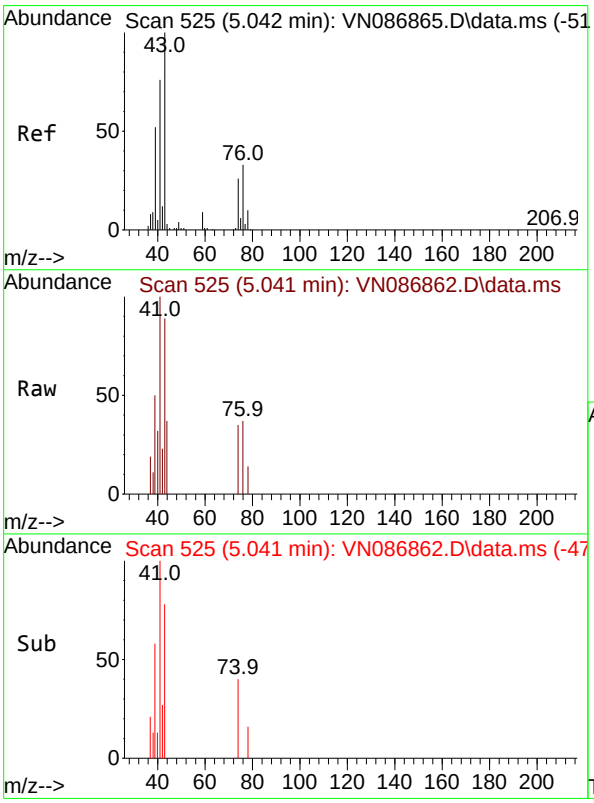
Ion	Ratio	Lower	Upper
96	100		
61	137.1	125.8	188.6
98	55.8	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

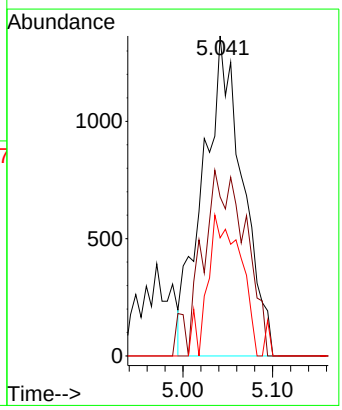
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

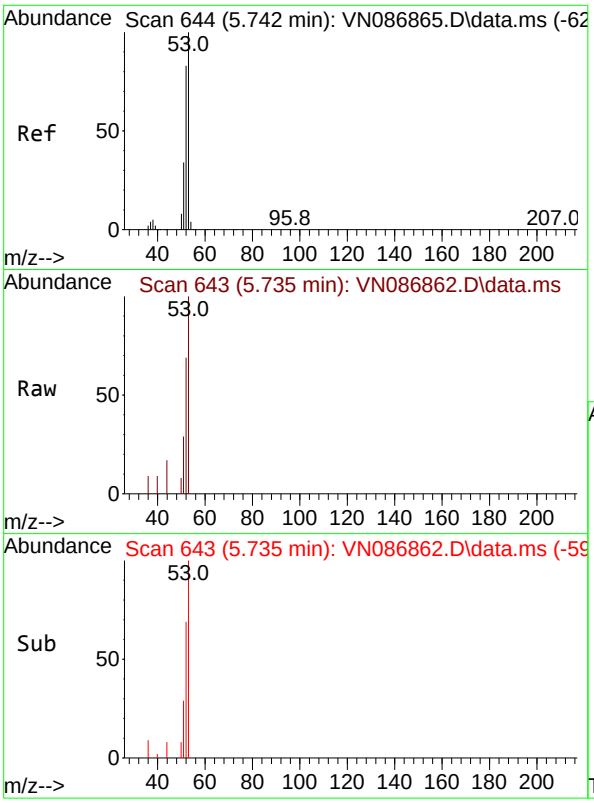


#14
Allyl chloride
Concen: 1.067 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 4189

Ion	Ratio	Lower	Upper
41	100		
39	35.3	51.3	76.9#
76	36.4	31.4	47.0

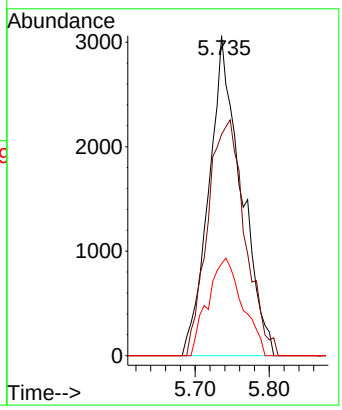




#15
Acrylonitrile
Concen: 5.106 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 53 Resp: 922

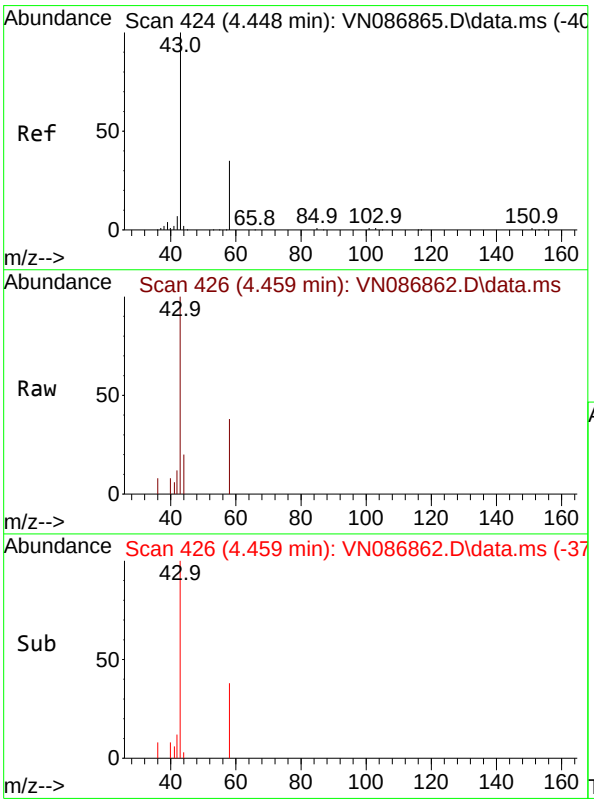
Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.0	97.6
51	32.7	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

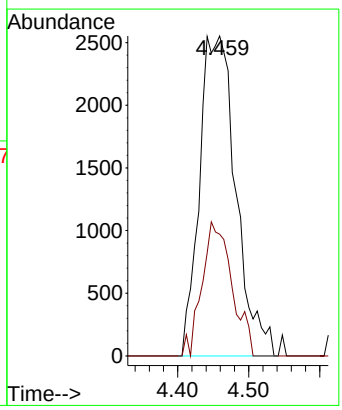
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

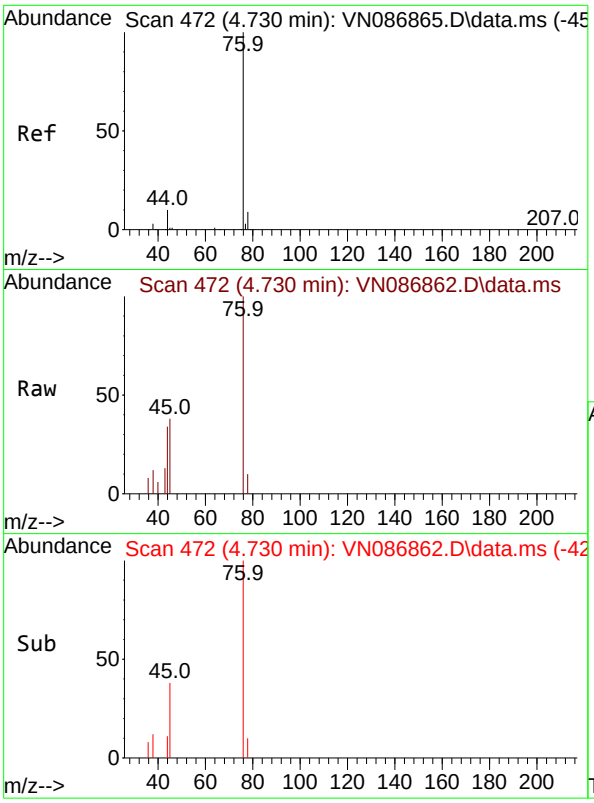


#16
Acetone
Concen: 6.006 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 9069

Ion	Ratio	Lower	Upper
43	100		
58	38.0	28.0	42.0

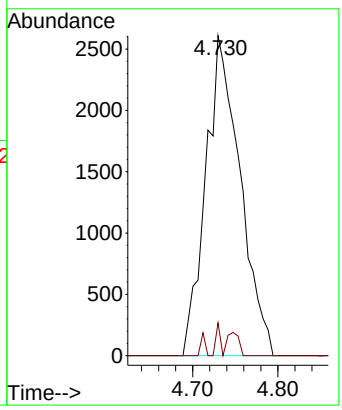




#17
Carbon Disulfide
Concen: 1.116 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 76 Resp: 730

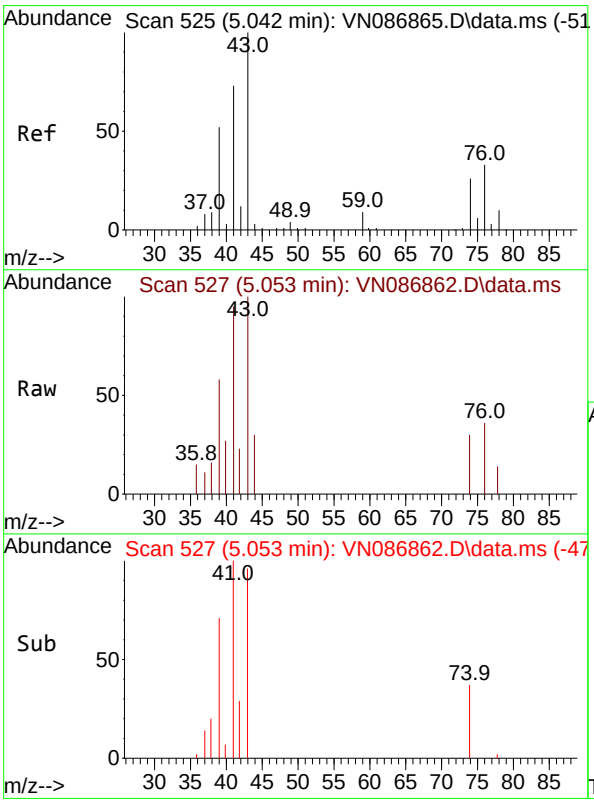
Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

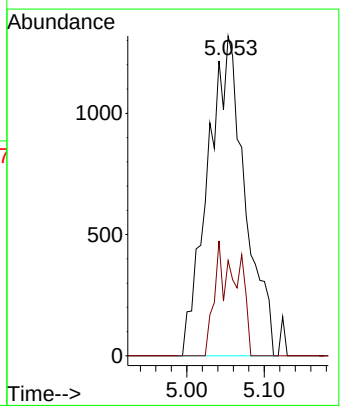
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

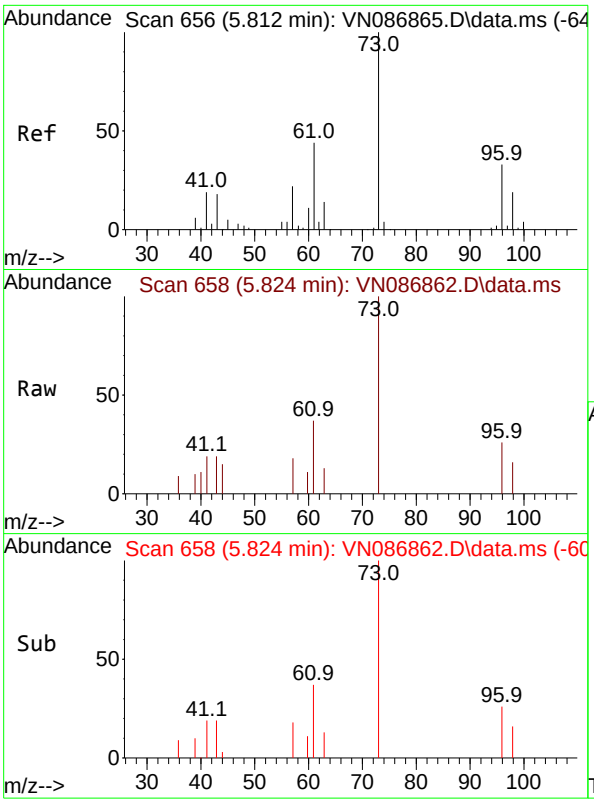


#18
Methyl Acetate
Concen: 1.000 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4402

Ion	Ratio	Lower	Upper
43	100		
74	8.7	20.7	31.1#

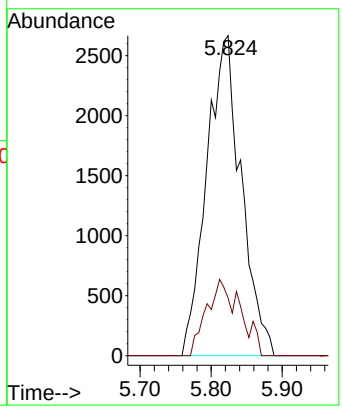




#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l
RT: 5.824 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 73 Resp: 901

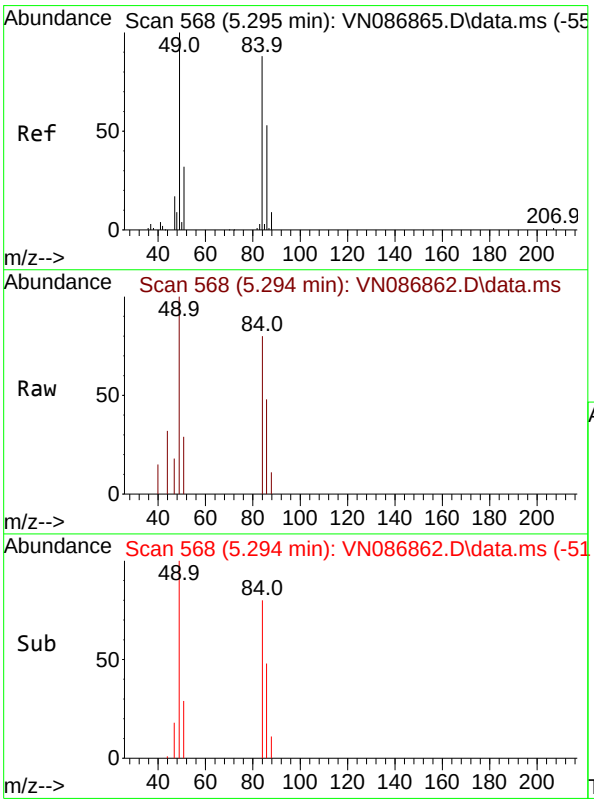
Ion	Ratio	Lower	Upper
73	100		
57	18.0	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

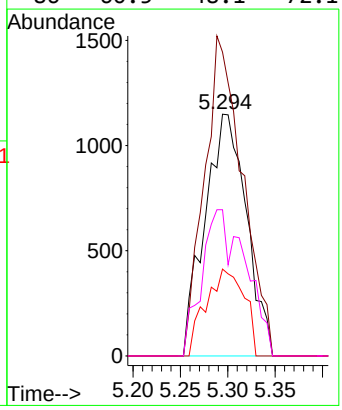
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

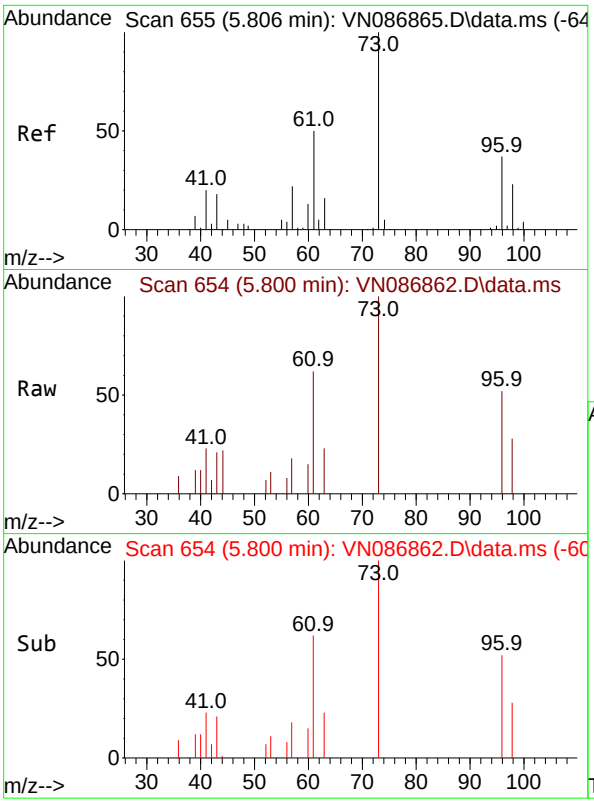


#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 84 Resp: 3496

Ion	Ratio	Lower	Upper
84	100		
49	125.7	90.5	135.7
51	35.9	28.5	42.7
86	60.5	48.1	72.1

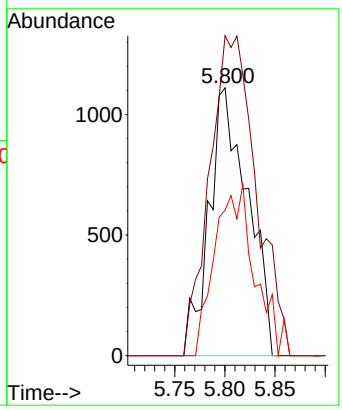




#21
trans-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 5.800 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 297

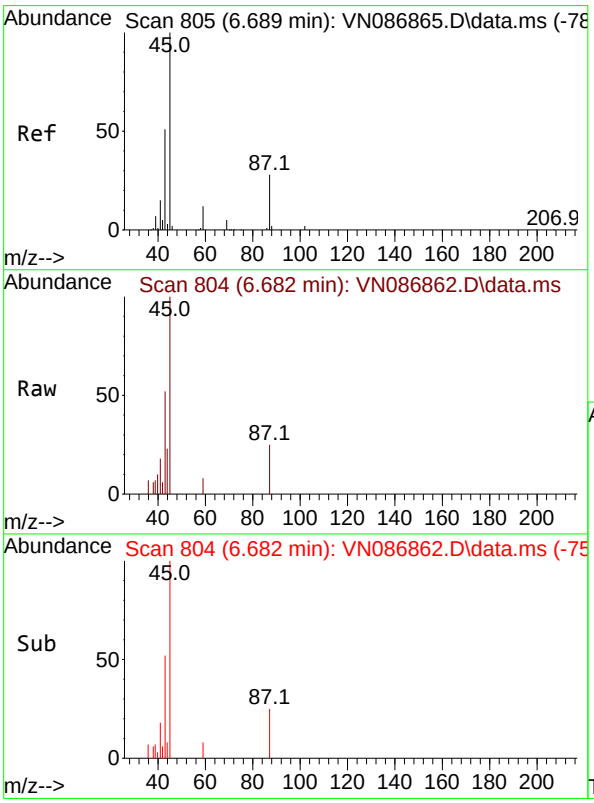
Ion	Ratio	Lower	Upper
96	100		
61	119.4	109.2	163.8
98	54.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

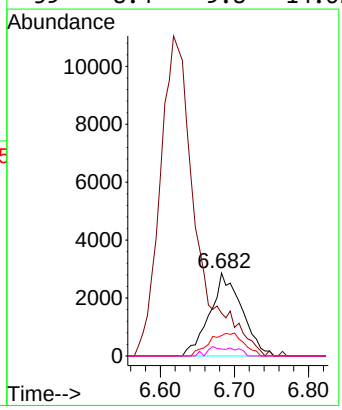
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

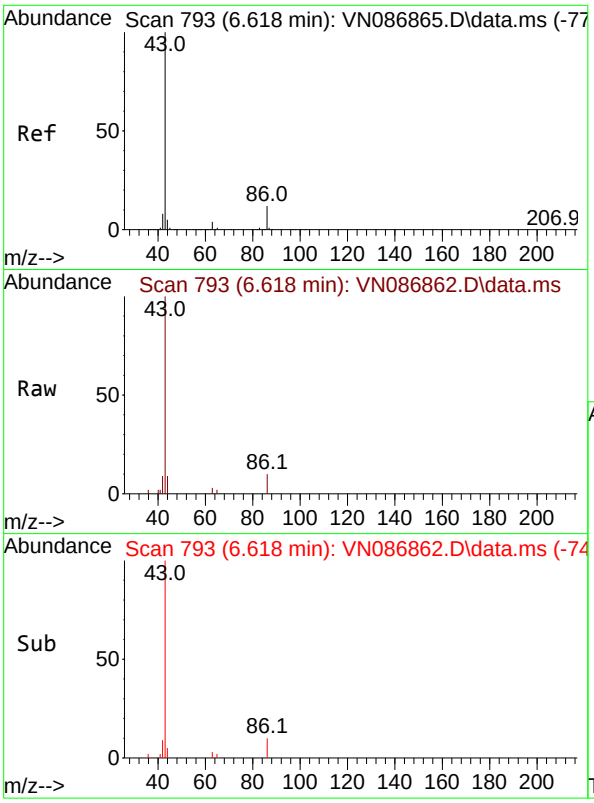


#22
Diisopropyl ether
Concen: 1.037 ug/l
RT: 6.682 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 45 Resp: 8584

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	24.5	22.4	33.6
59	8.4	9.8	14.6#





#23
Vinyl Acetate
Concen: 5.303 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

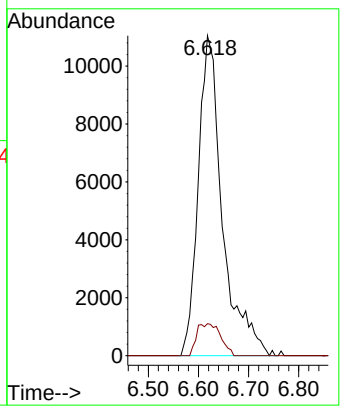
Tgt Ion: 43 Resp: 3707

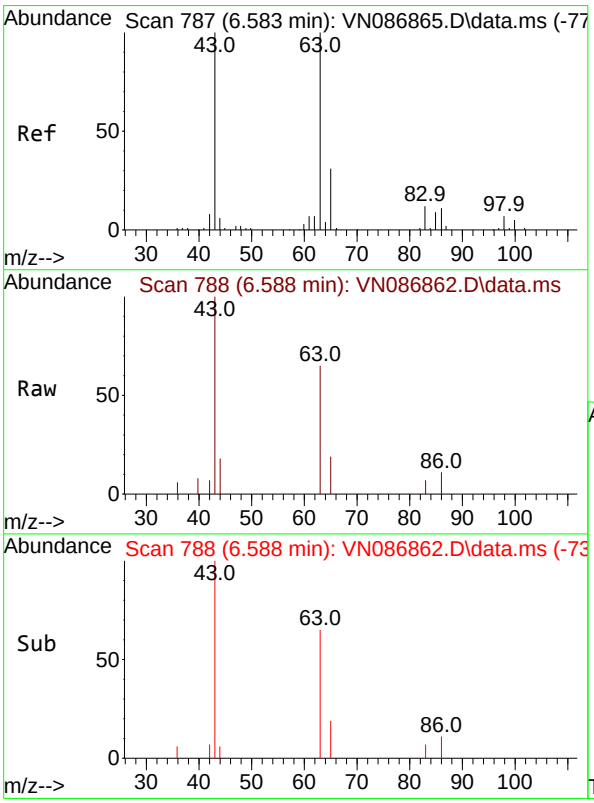
Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

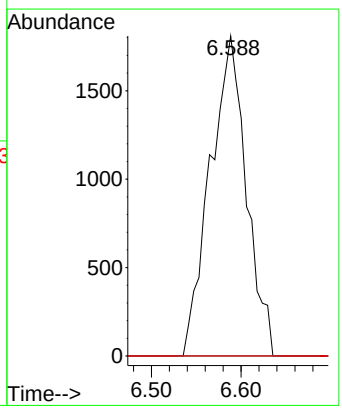


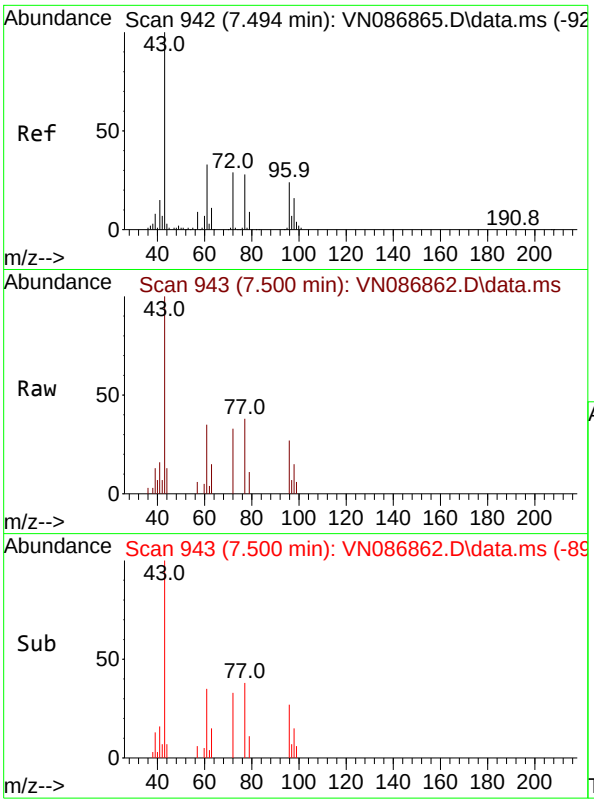


#24
1,1-Dichloroethane
Concen: 1.065 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 5071

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.6	7.8#

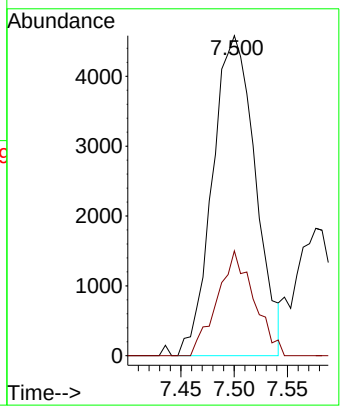




#25
2-Butanone
Concen: 5.231 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 1284

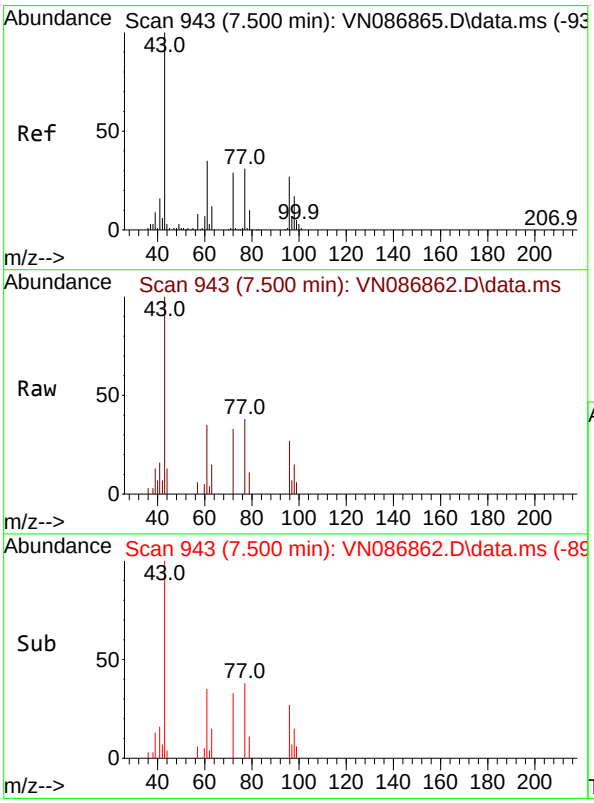
Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.0	34.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

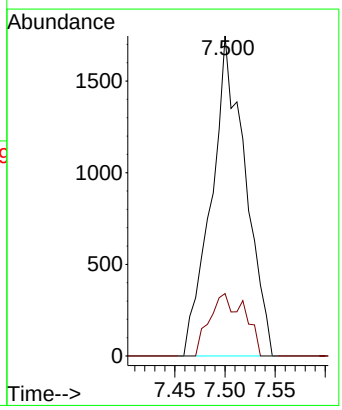
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

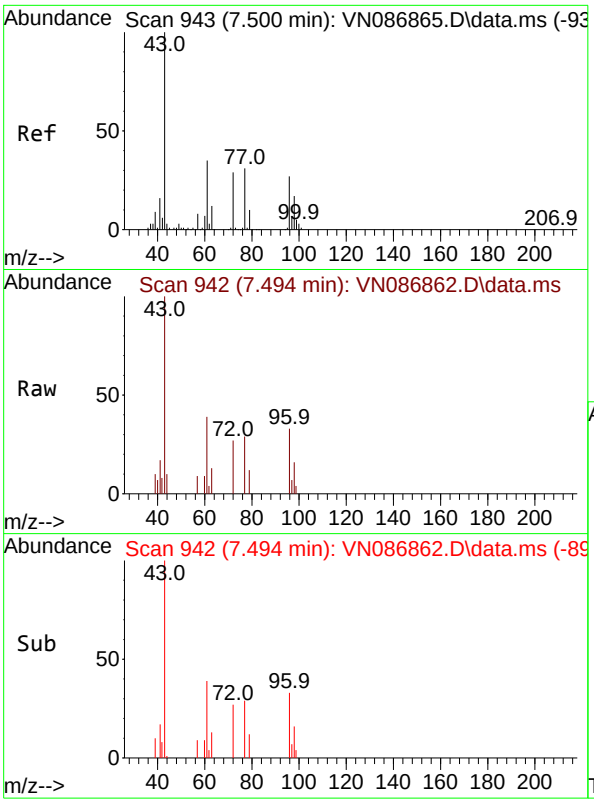


#26
2,2-Dichloropropane
Concen: 1.110 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 77 Resp: 4112

Ion	Ratio	Lower	Upper
77	100		
97	20.1	11.6	34.7

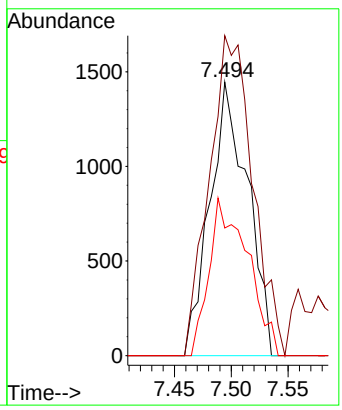




#27
cis-1,2-Dichloroethene
Concen: 1.062 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 334

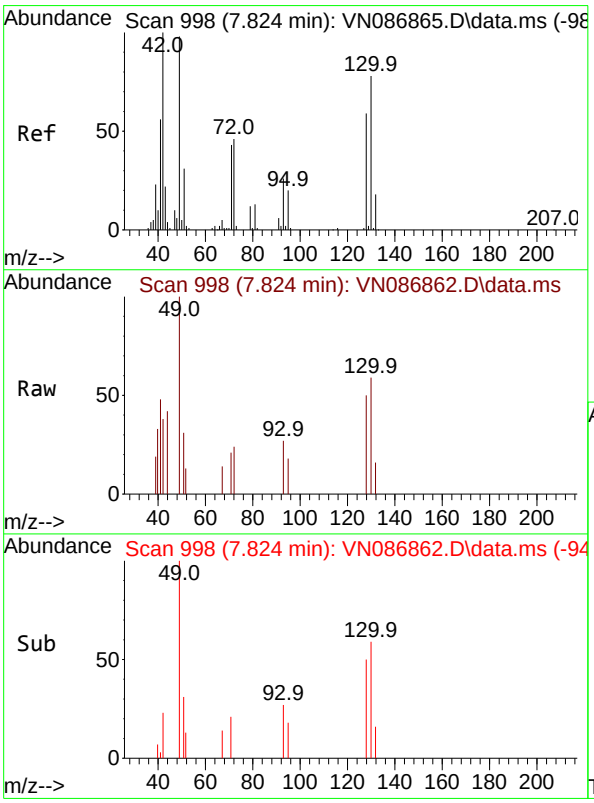
Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	58.7	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

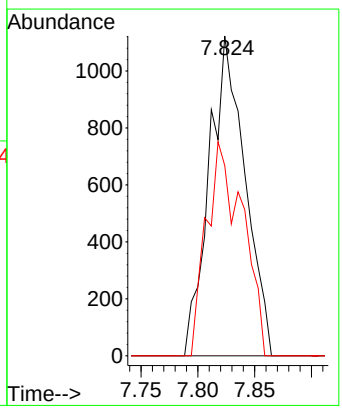
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

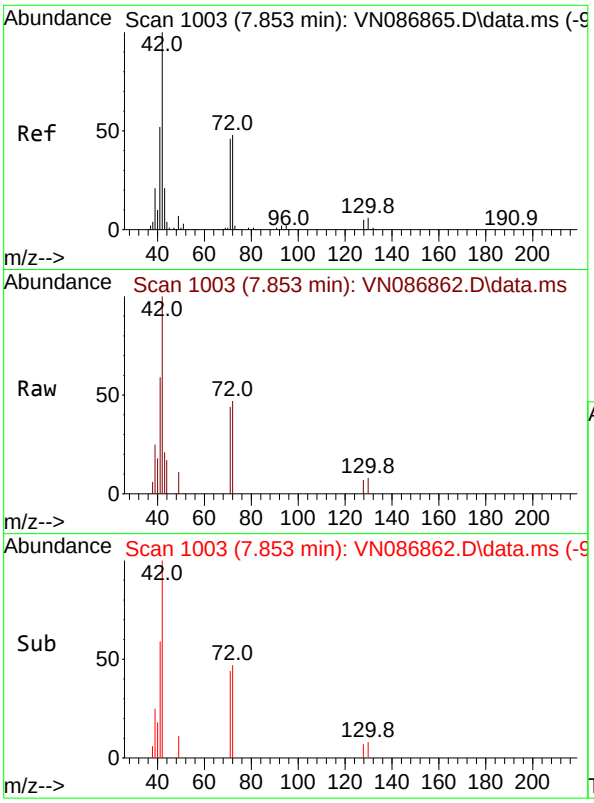


#28
Bromochloromethane
Concen: 1.052 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 49 Resp: 2464

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	67.5	62.2	93.2

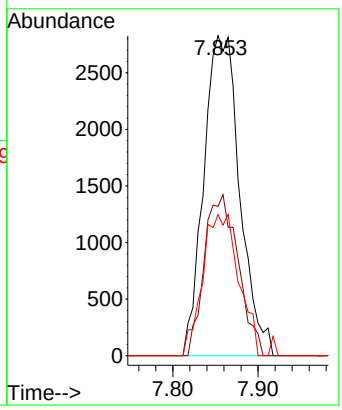




#29
Tetrahydrofuran
Concen: 5.191 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 42 Resp: 830

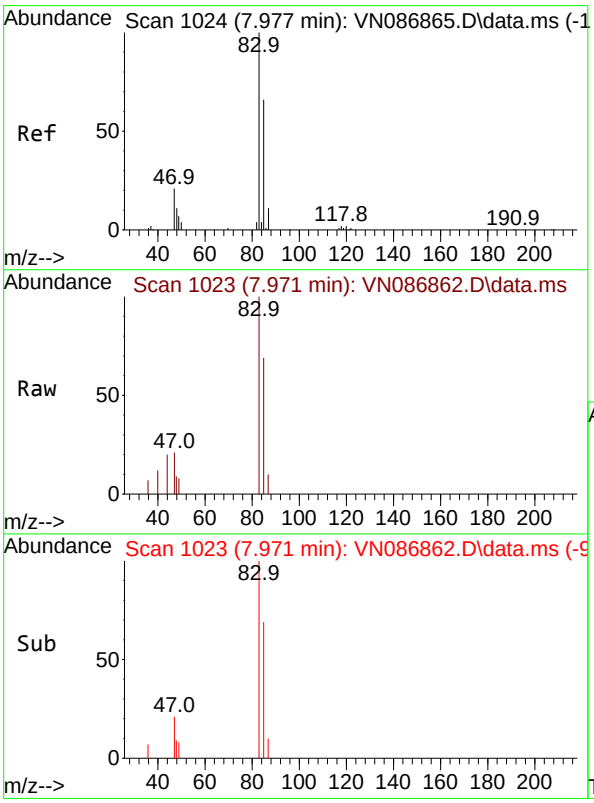
Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.4	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

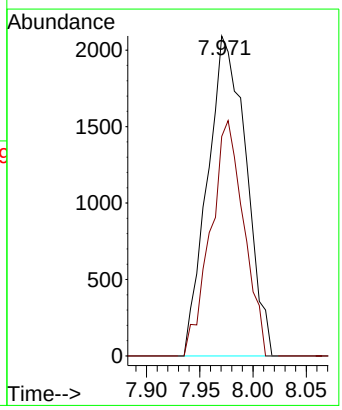
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

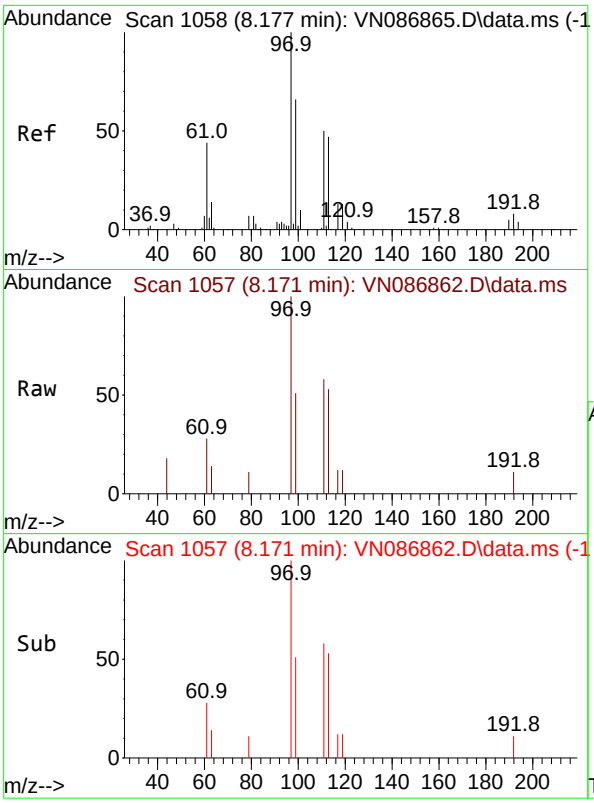


#30
Chloroform
Concen: 1.105 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.9	79.3

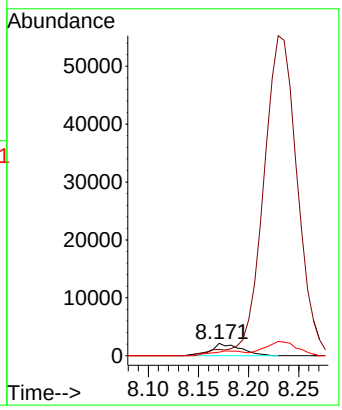




#32
1,1,1-Trichloroethane
Concen: 1.082 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 437

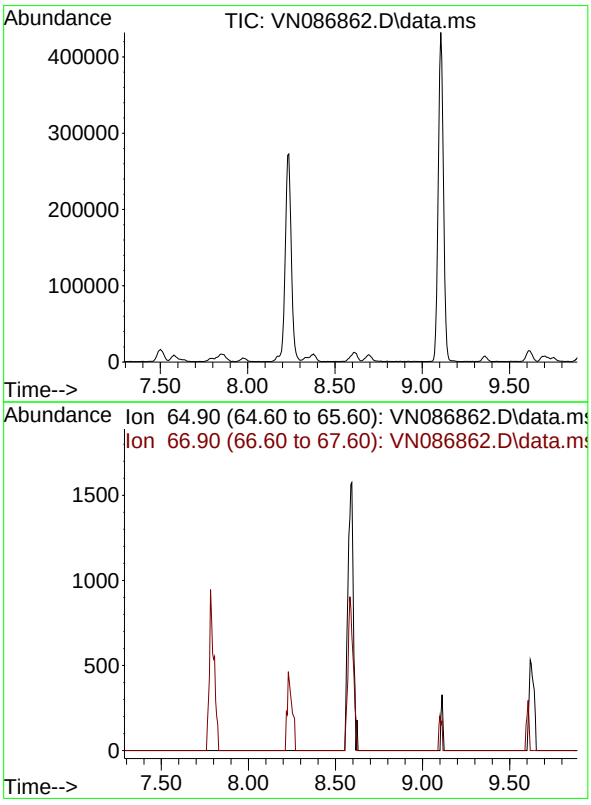
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.5	35.9	53.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

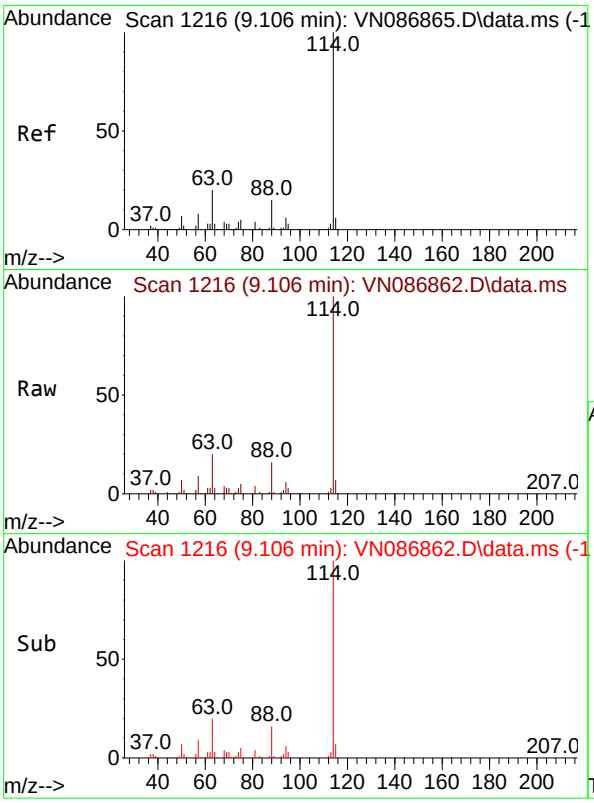


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.59 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

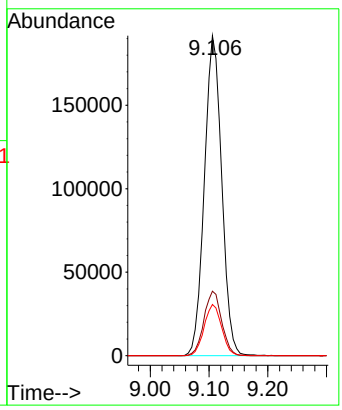
Tgt Ion:114 Resp: 39345

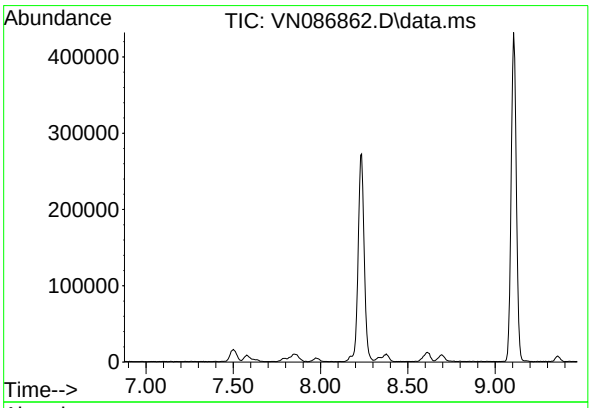
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.0	0.0	30.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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



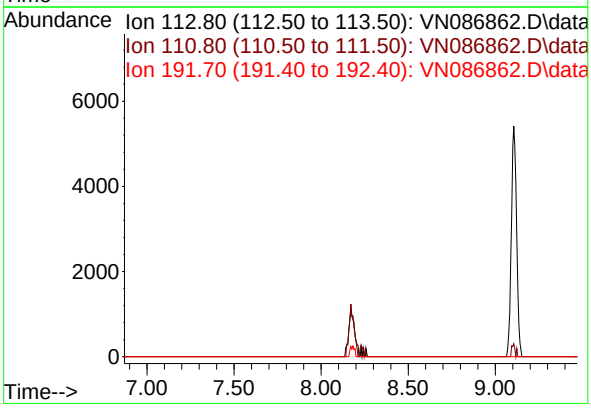


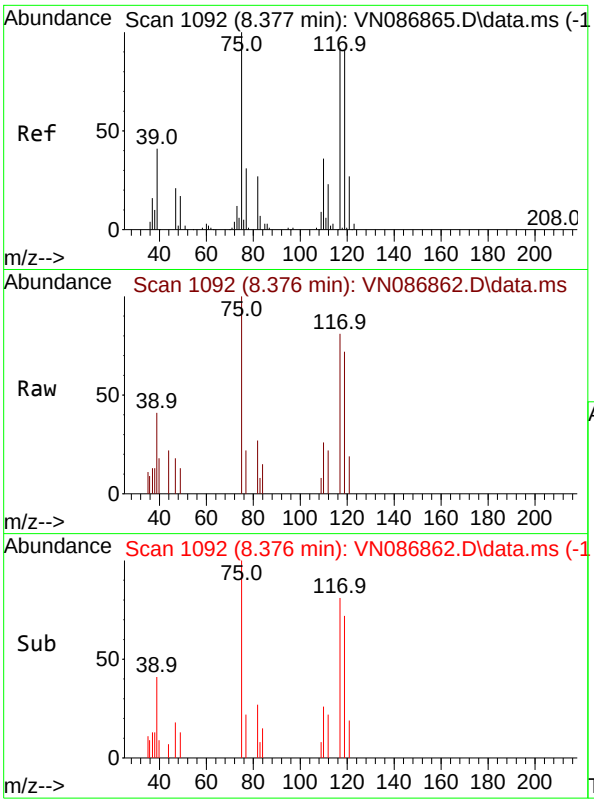
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.17 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	105.2
192	17.8

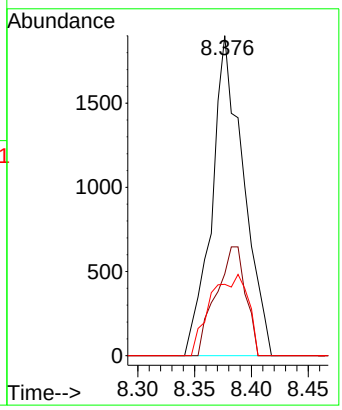




#36
1,1-Dichloropropene
Concen: 1.059 ug/l
RT: 8.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 367

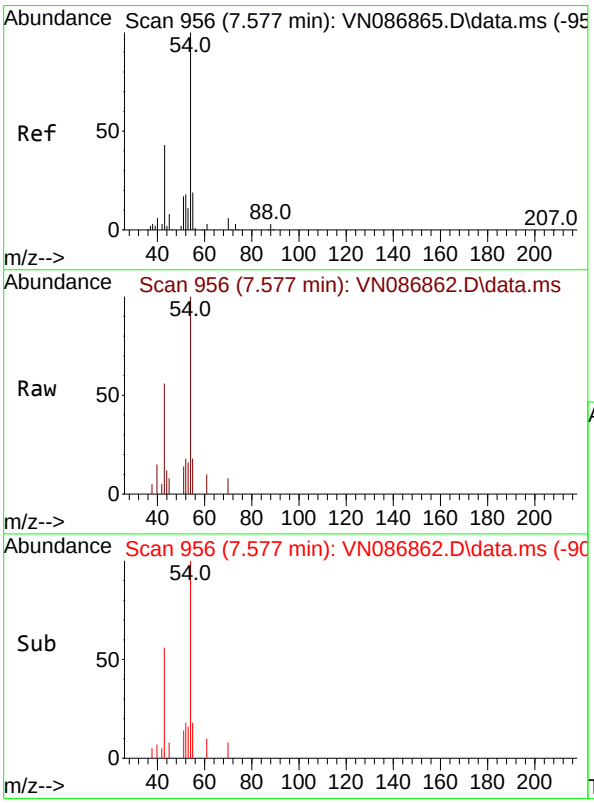
Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.6	52.9
77	30.2	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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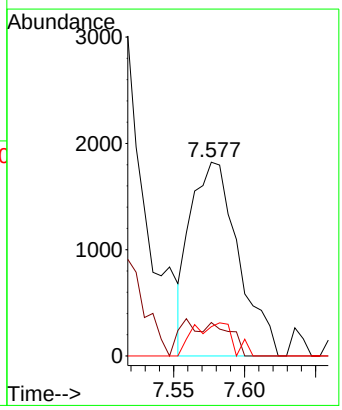
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

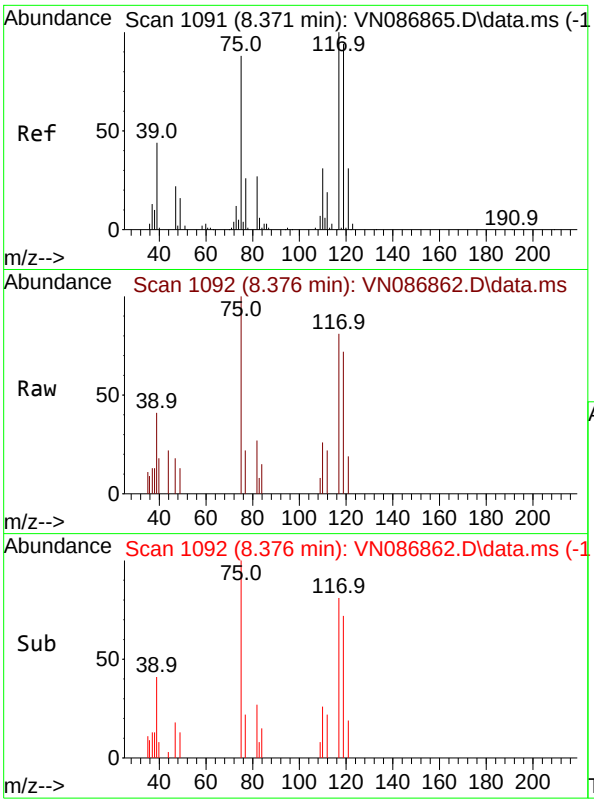


#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.577 min Scan# 956
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4282

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	14.1	9.8	14.6

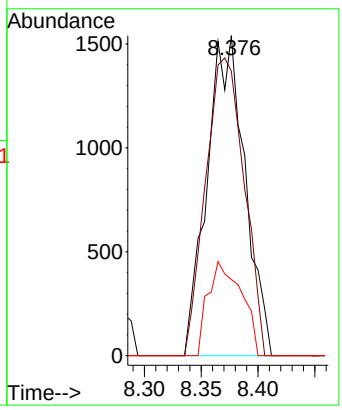




#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 8.376 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 356

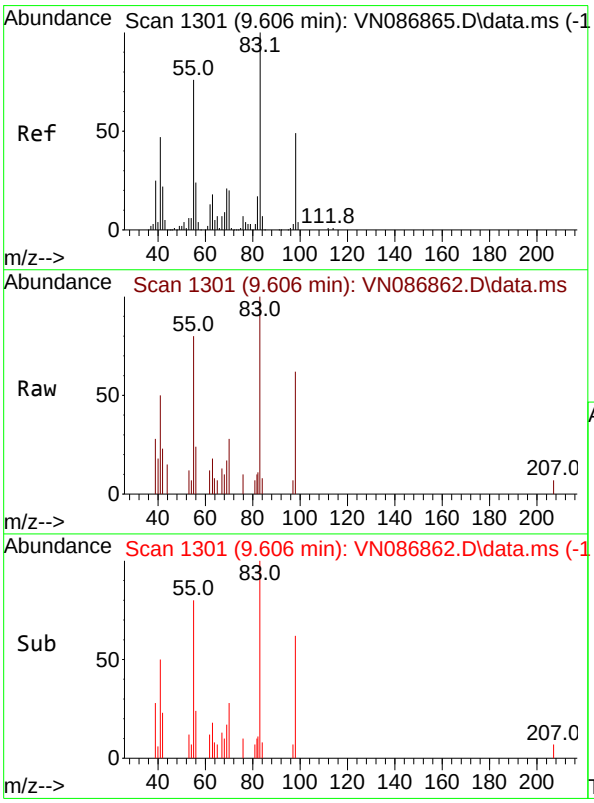
Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.0	112.6
121	23.8	24.9	37.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

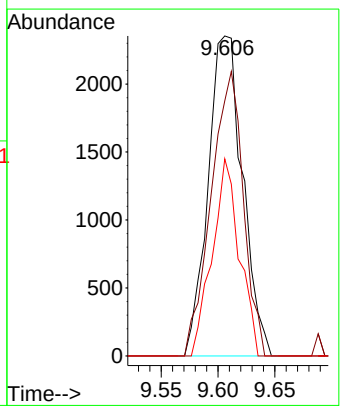
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

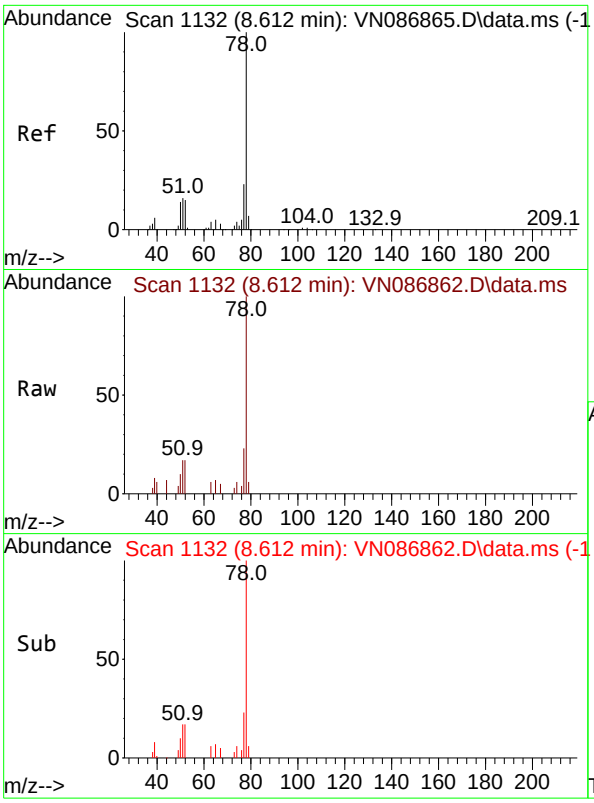


#39
Methylcyclohexane
Concen: 1.046 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4981

Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.6
98	61.6	38.9	58.3#

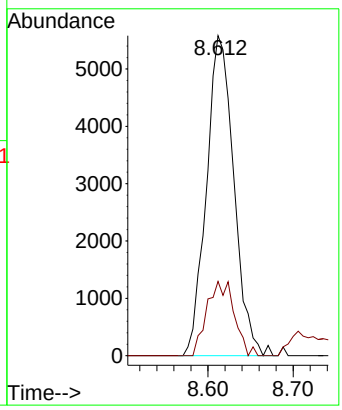




#40
Benzene
Concen: 1.100 ug/l
RT: 8.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 78 Resp: 1249

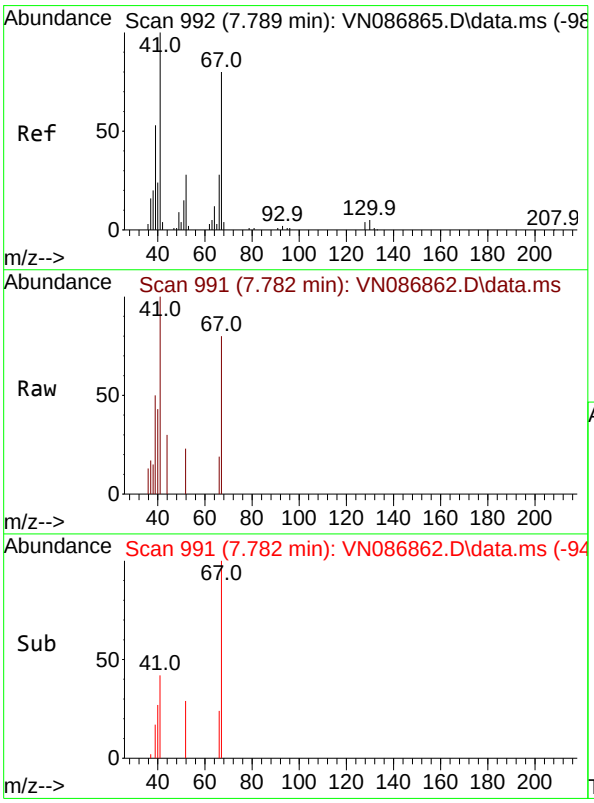
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

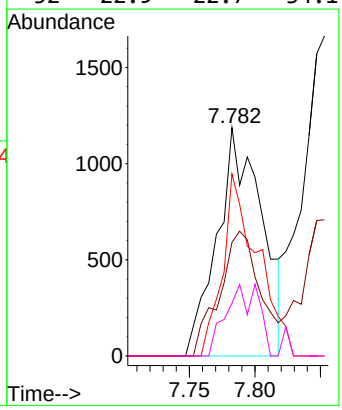
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

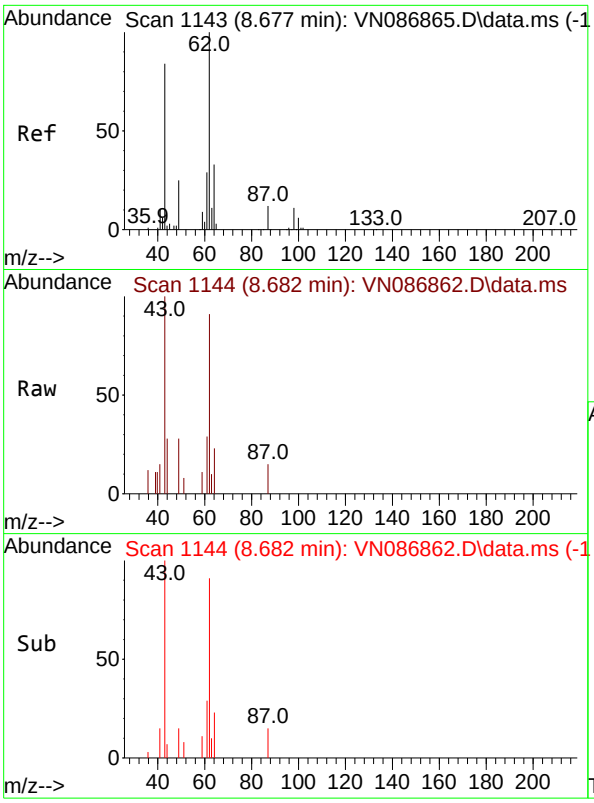


#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 2799

Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.2	61.8
67	62.4	61.4	92.2
52	22.9	22.7	34.1

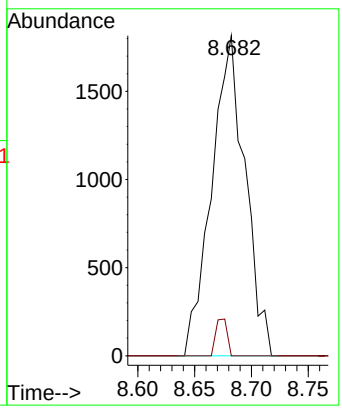




#42
1,2-Dichloroethane
Concen: 1.081 ug/l
RT: 8.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 372

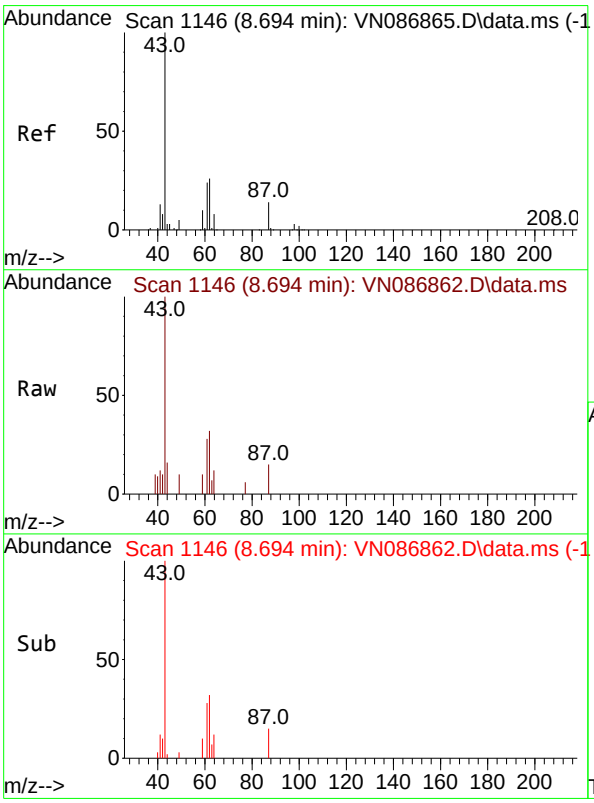
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	21.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

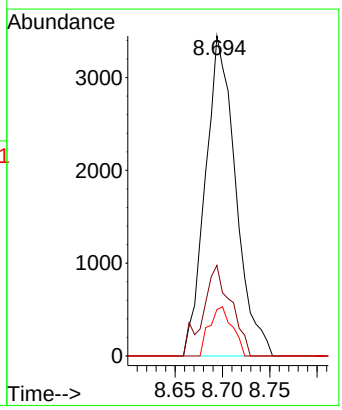
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

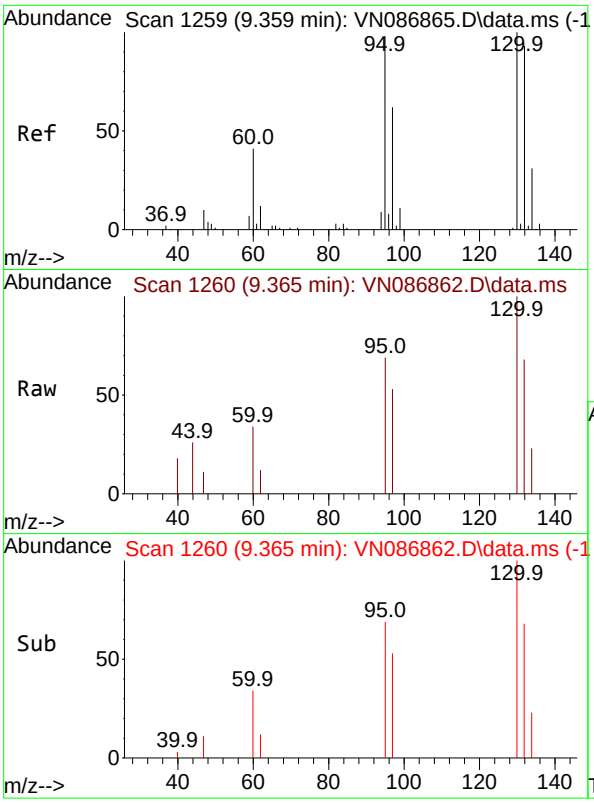


#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 7673

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	11.7	11.8	17.6#

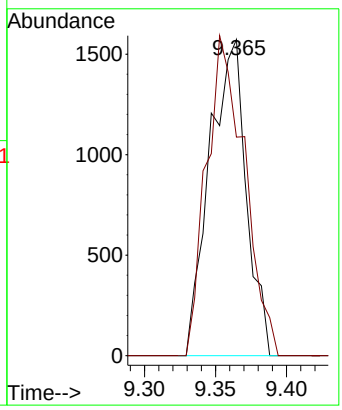




#44
Trichloroethene
Concen: 1.047 ug/l
RT: 9.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:130 Resp: 282

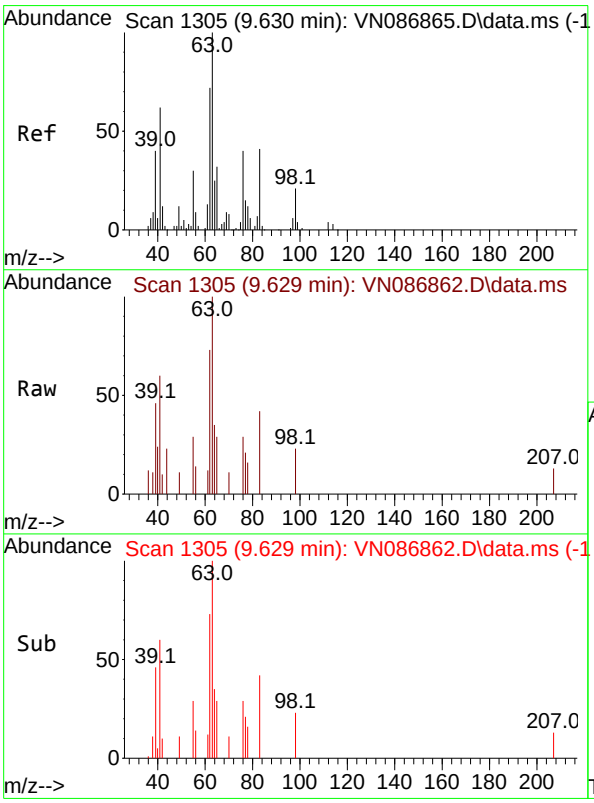
Ion	Ratio	Lower	Upper
130	100		
95	69.1	0.0	196.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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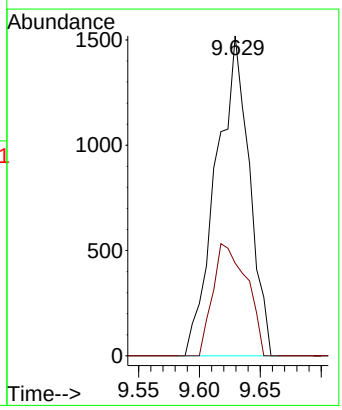
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

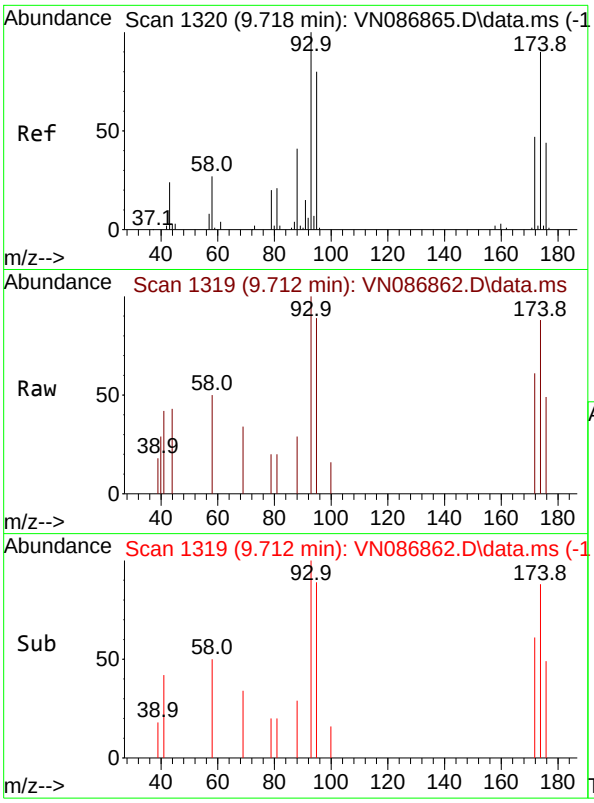


#45
1,2-Dichloropropane
Concen: 1.043 ug/l
RT: 9.629 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 2883

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.5	38.3

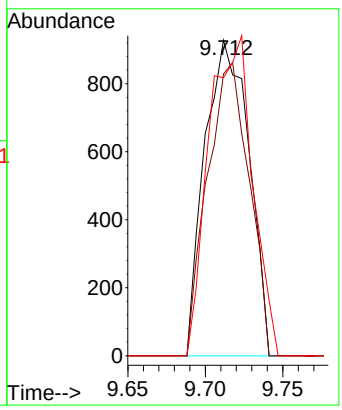




#46
Dibromomethane
Concen: 0.999 ug/l
RT: 9.712 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 93 Resp: 183

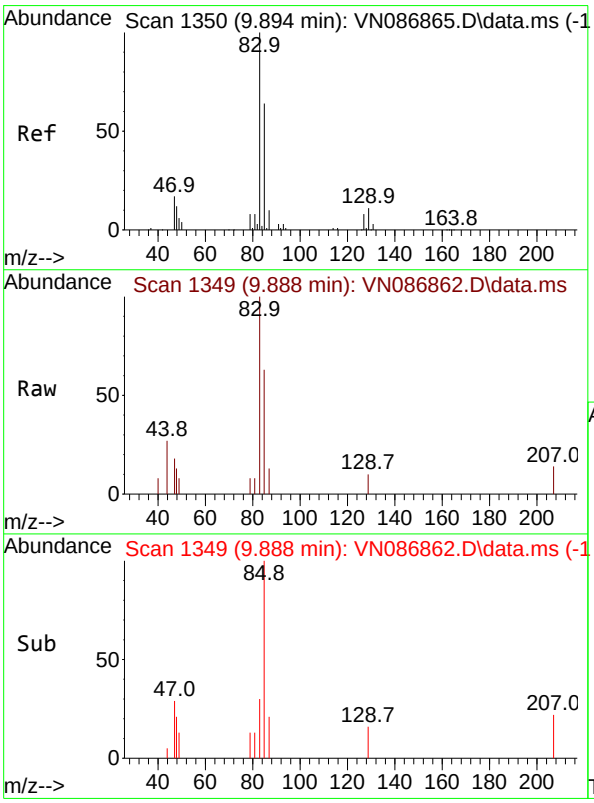
Ion	Ratio	Lower	Upper
93	100		
95	87.6	67.1	100.7
174	100.5	74.2	111.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

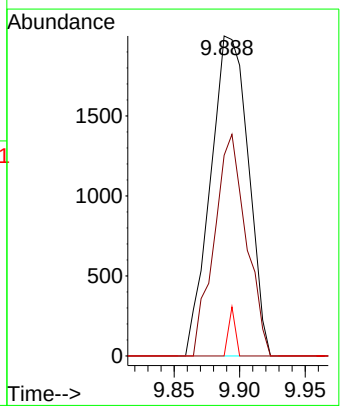
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

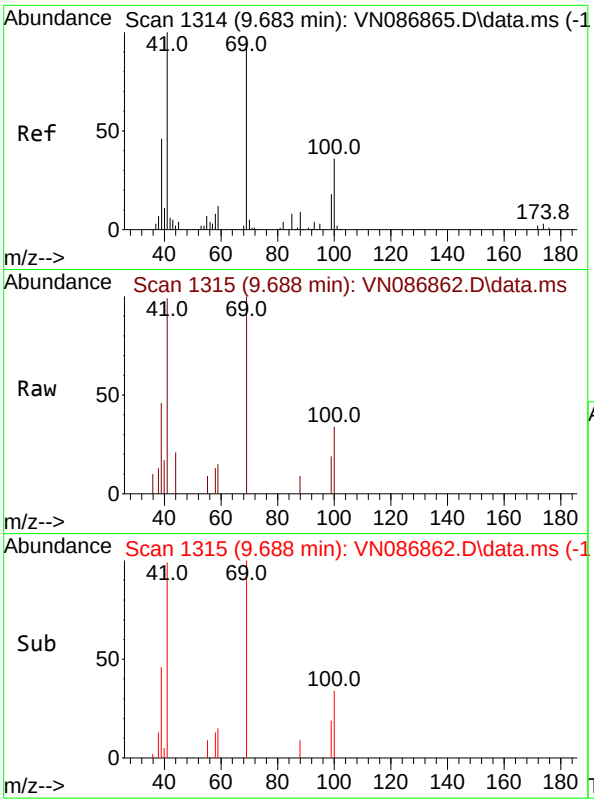


#47
Bromodichloromethane
Concen: 1.063 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4017

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	0.0	6.6	10.0#





#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

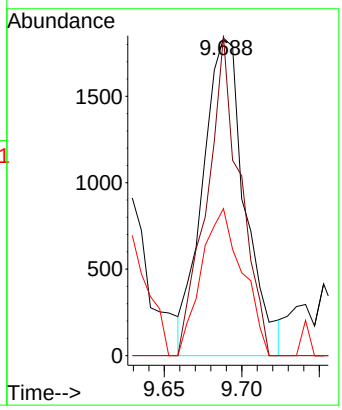
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

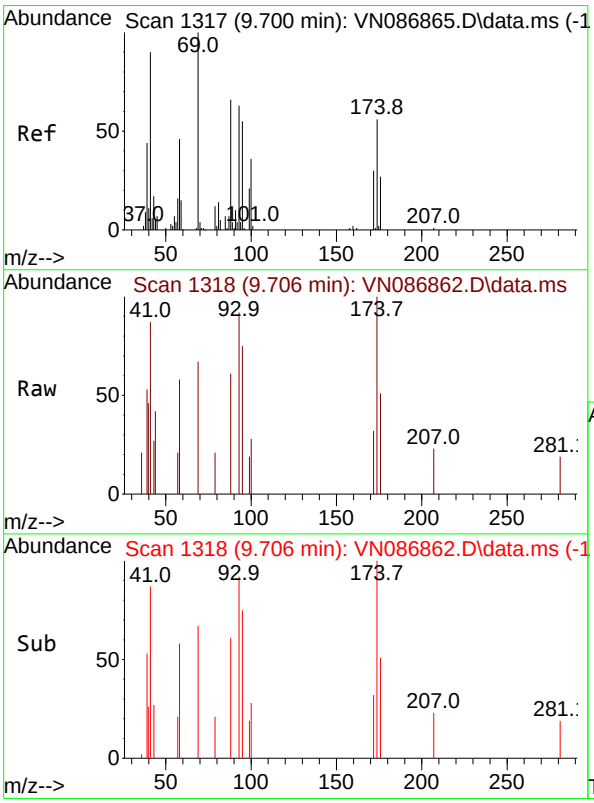
Tgt Ion: 41 Resp: 349

Ion	Ratio	Lower	Upper
41	100		
69	79.4	74.6	112.0
39	44.9	40.2	60.4

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

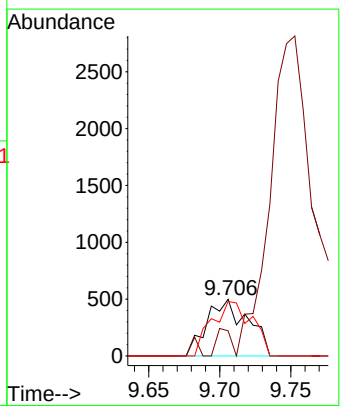


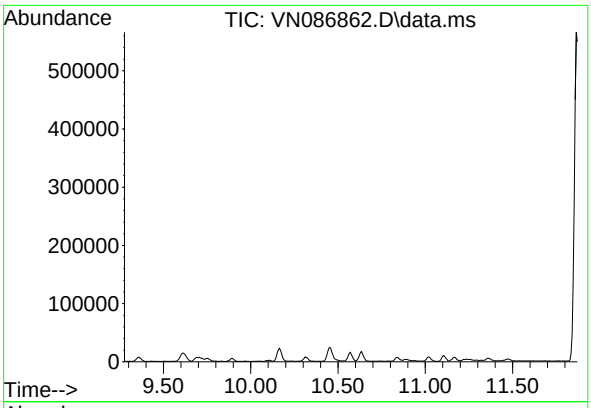


#49
1,4-Dioxane
Concen: 16.891 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 88 Resp: 1004

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	94.0	57.7	86.5#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.57 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

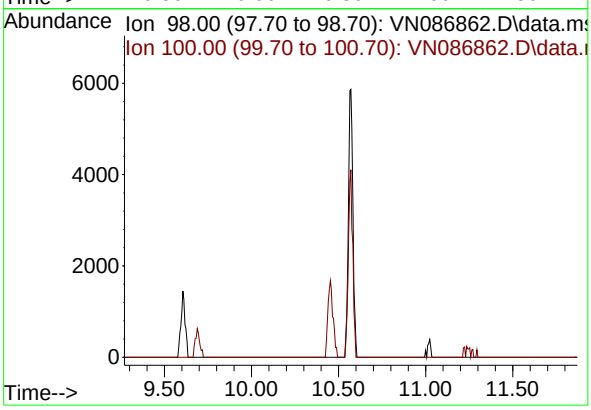
Tgt Ion: 98

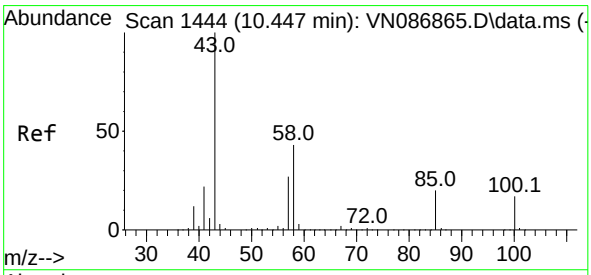
Sig	Exp Ratio
98	100
100	66.7

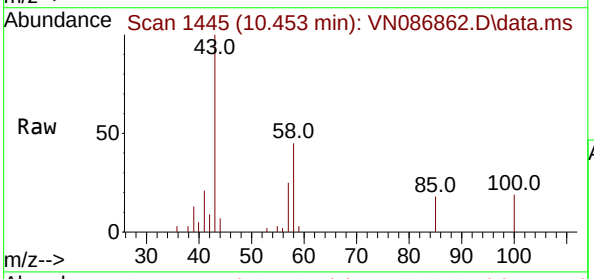
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

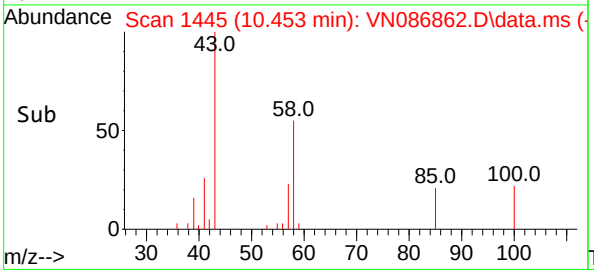
Manual Integrations
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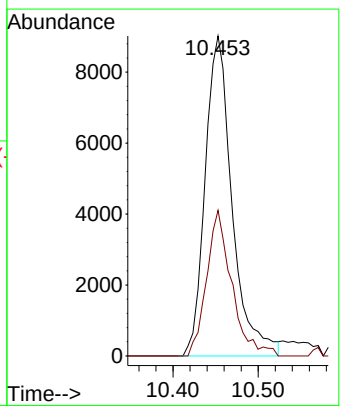


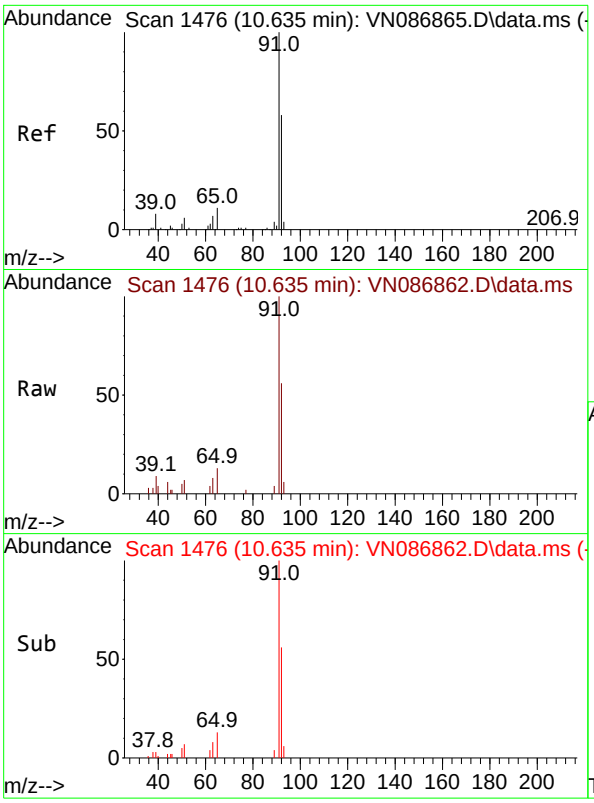


#51
4-Methyl-2-Pentanone
Concen: 4.653 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 19886

Ion	Ratio	Lower	Upper
43	100		
58	42.3	34.2	51.4





#52
Toluene
Concen: 1.041 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

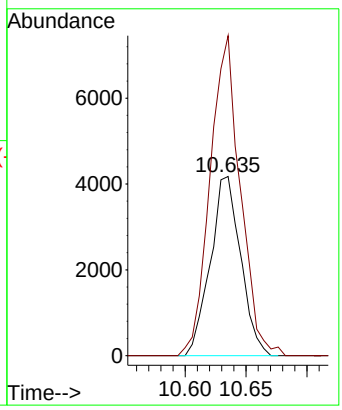
Tgt Ion: 92 Resp: 722

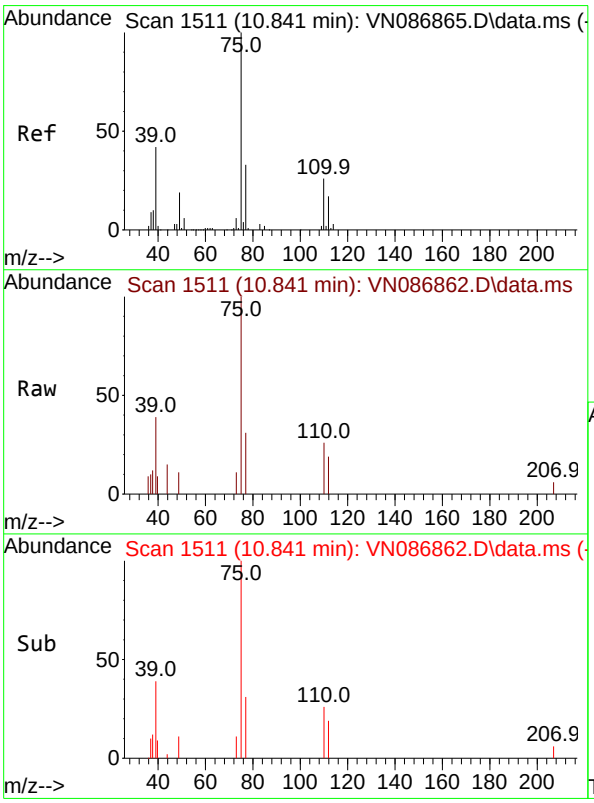
Ion	Ratio	Lower	Upper
92	100		
91	178.1	136.5	204.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 06/09/2025
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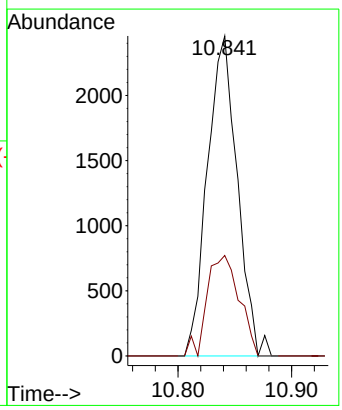


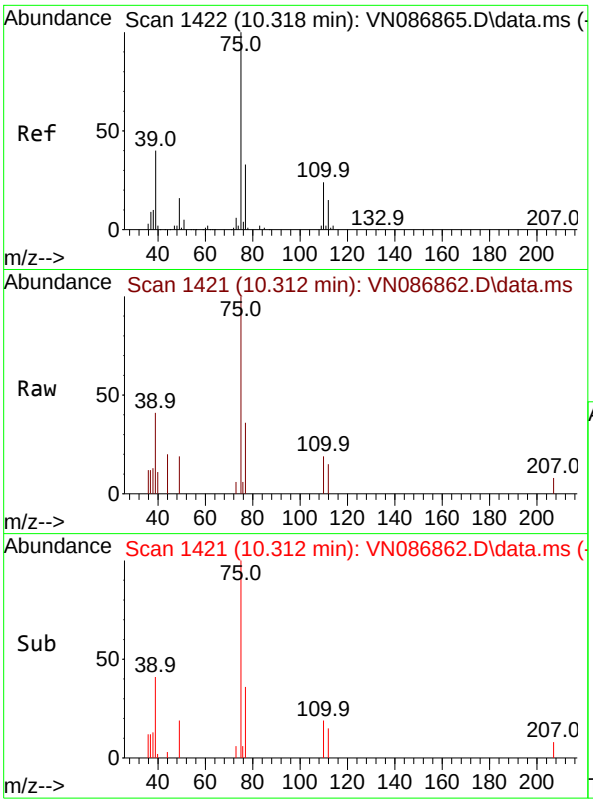


#53
t-1,3-Dichloropropene
Concen: 1.064 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 4494

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

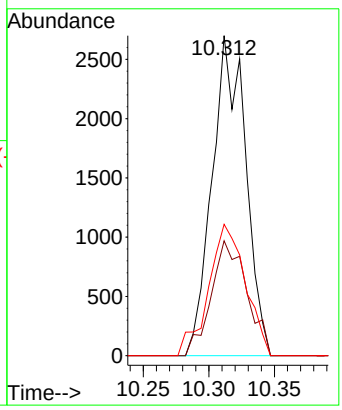




#54
cis-1,3-Dichloropropene
Concen: 1.060 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 479

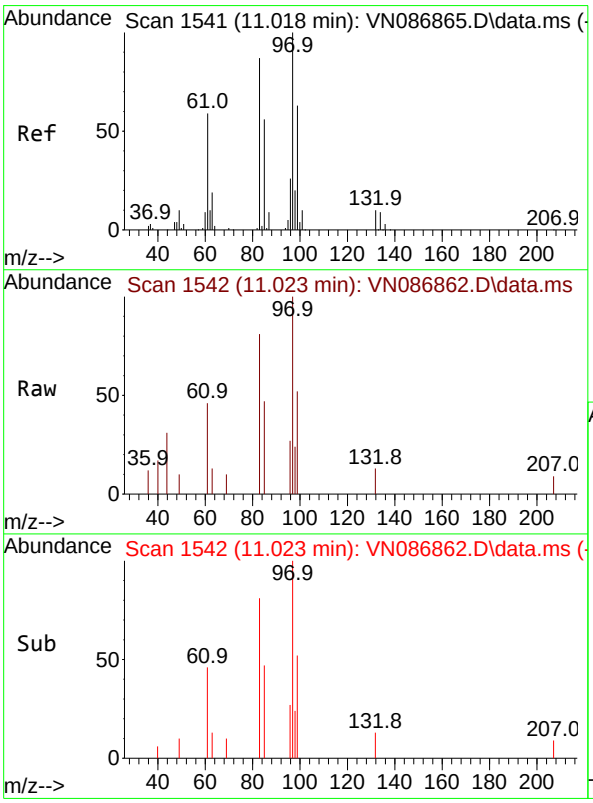
Ion	Ratio	Lower	Upper
75	100		
77	35.9	26.2	39.4
39	41.1	32.3	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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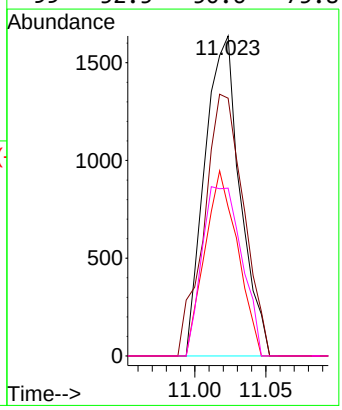
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

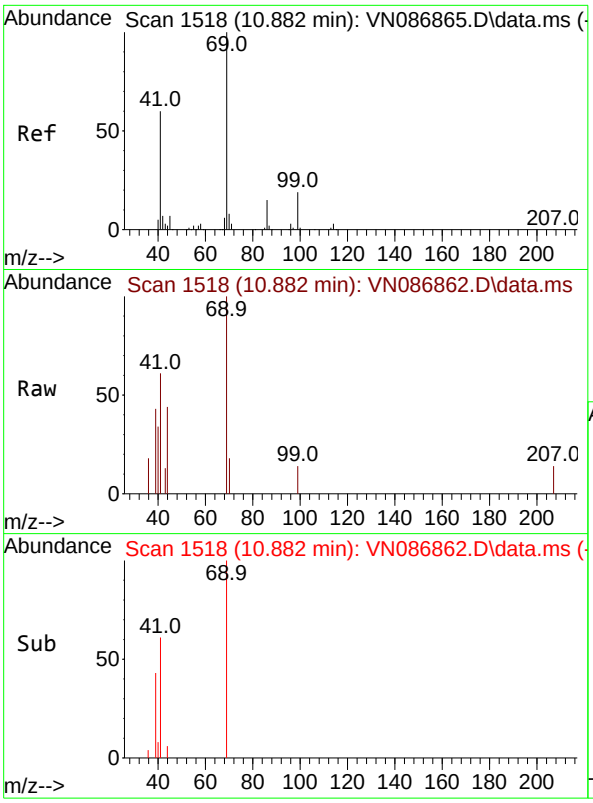


#55
1,1,2-Trichloroethane
Concen: 1.058 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 2828

Ion	Ratio	Lower	Upper
97	100		
83	80.6	69.7	104.5
85	46.5	45.1	67.7
99	52.5	50.6	75.8





#56
Ethyl methacrylate
Concen: 0.800 ug/l
RT: 10.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

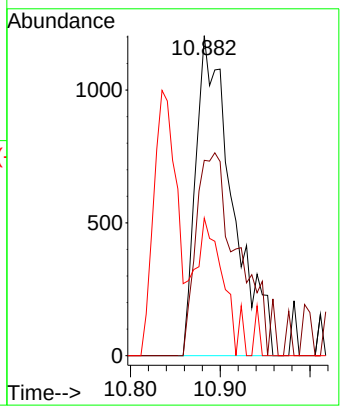
Tgt Ion: 69 Resp: 340

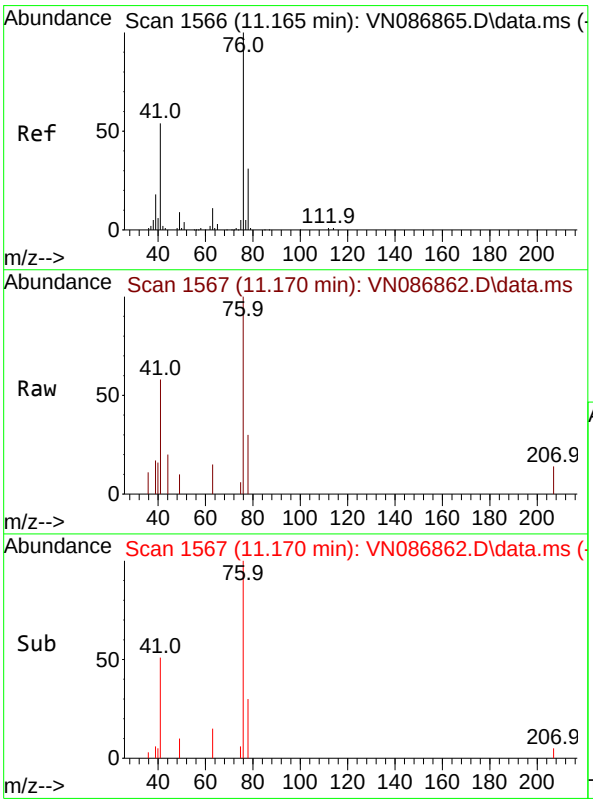
Ion	Ratio	Lower	Upper
69	100		
41	73.5	47.2	70.8
39	31.6	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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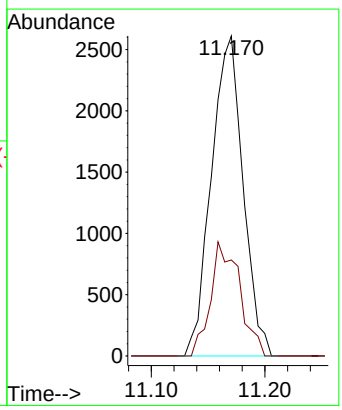


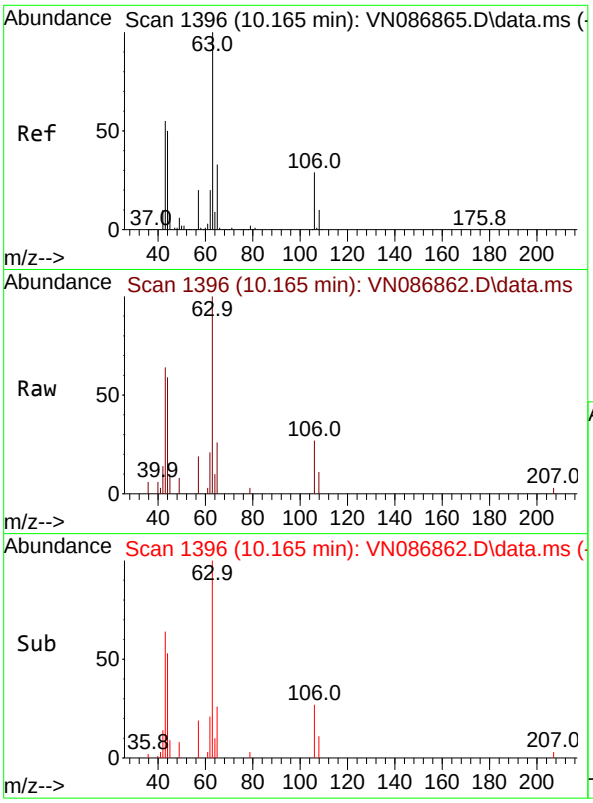


#57
1,3-Dichloropropane
Concen: 1.092 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 76 Resp: 5062

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9





#58
2-Chloroethyl Vinyl ether
Concen: 4.304 ug/l
RT: 10.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

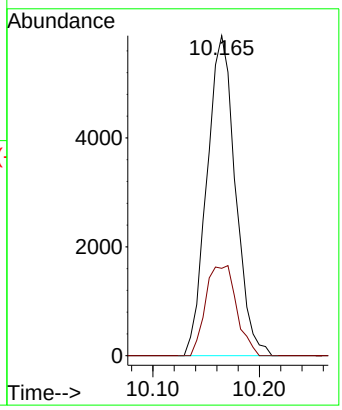
Tgt Ion: 63 Resp: 1092

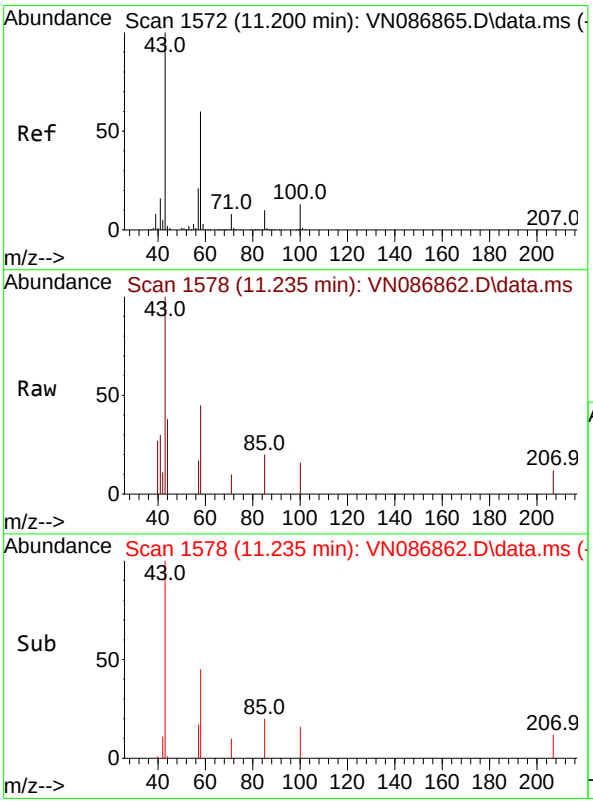
Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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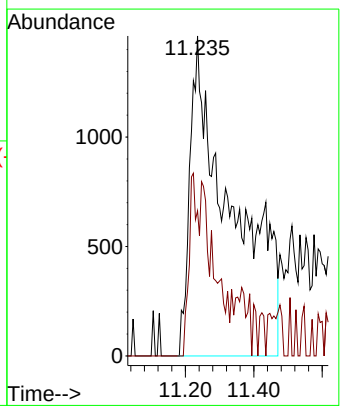


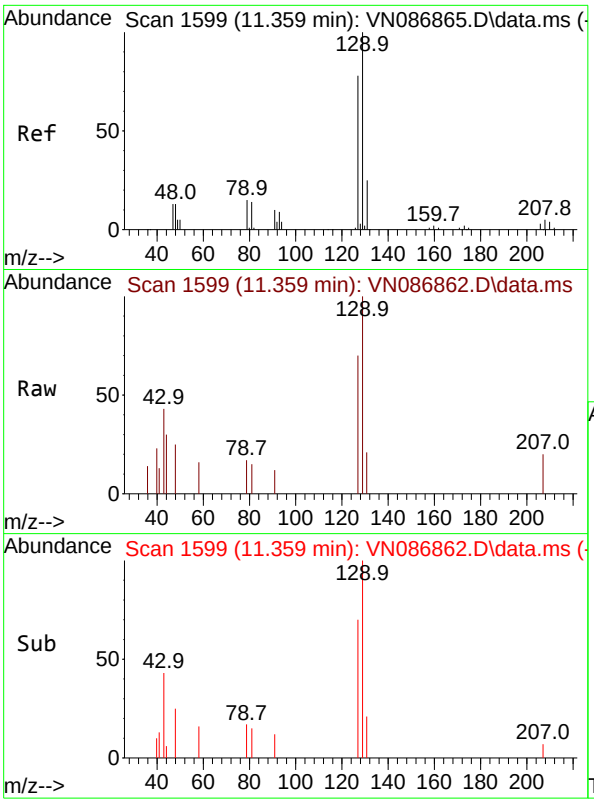


#59
2-Hexanone
Concen: 4.466 ug/l m
RT: 11.235 min Scan# 1578
Delta R.T. 0.035 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 12295

Ion	Ratio	Lower	Upper
43	100		
58	4.7	30.4	91.3#

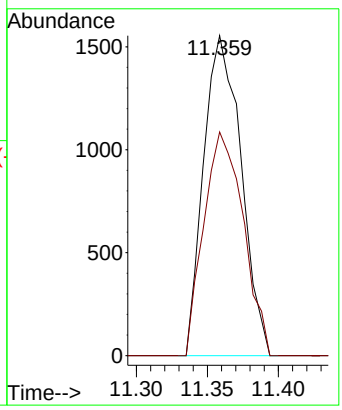




#60
Dibromochloromethane
Concen: 1.021 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:129 Resp: 284

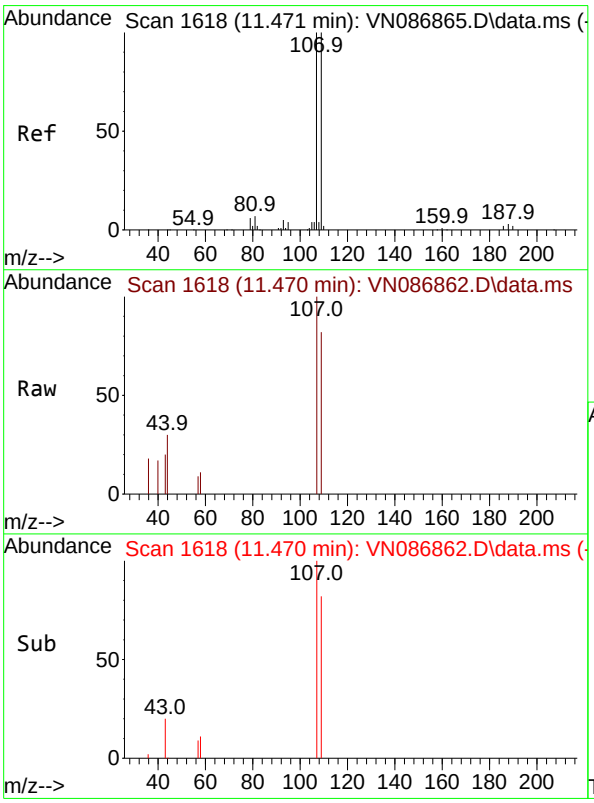
Ion	Ratio	Lower	Upper
129	100		
127	73.8	38.6	115.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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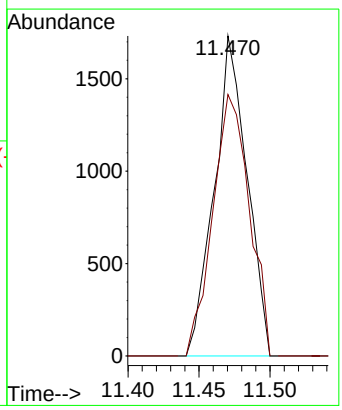
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

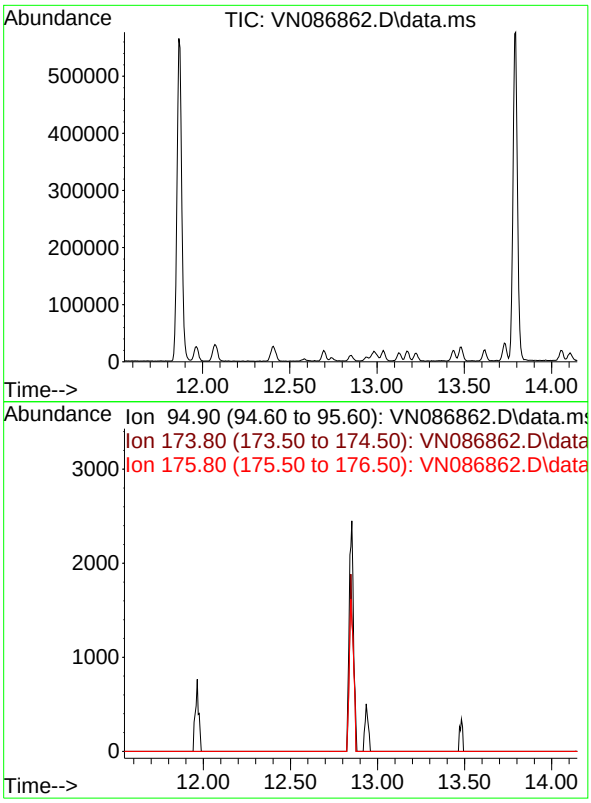


#61
1,2-Dibromoethane
Concen: 1.014 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:107 Resp: 2777

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.3	114.5





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

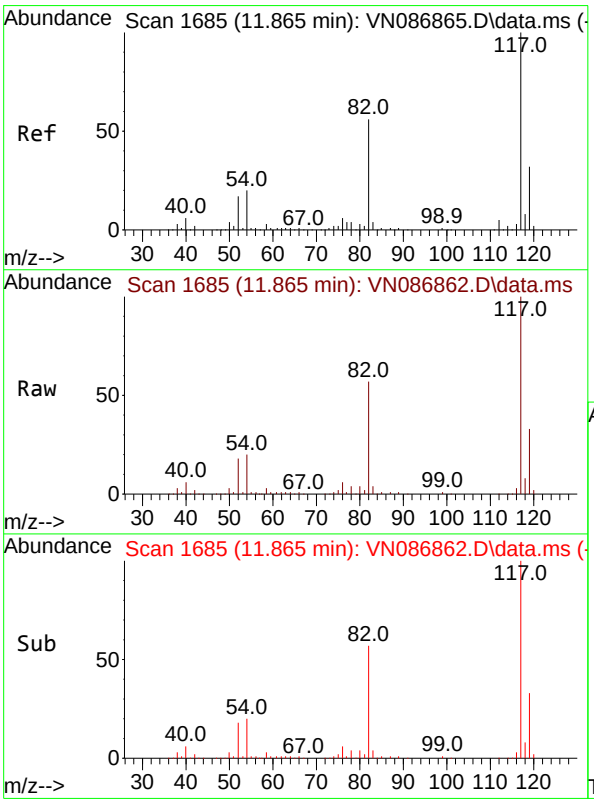
Tgt Ion: 95

Sig	Exp Ratio
95	100
174	70.9
176	66.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

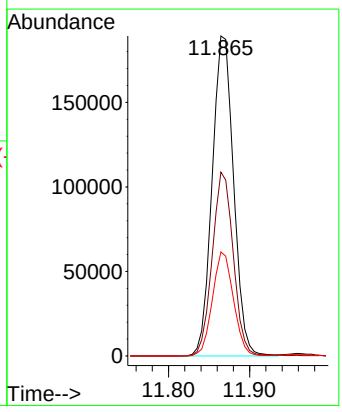
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

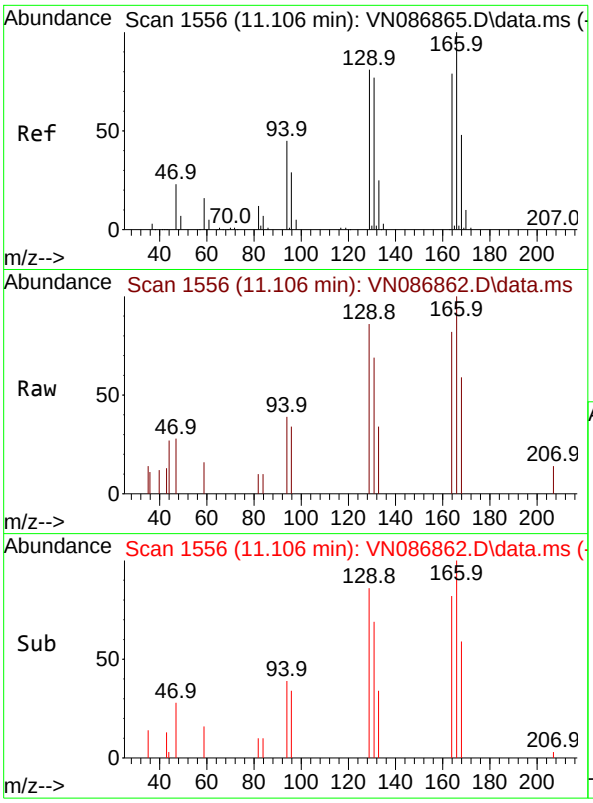


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 348010

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	67.0
119	32.5	25.5	38.3

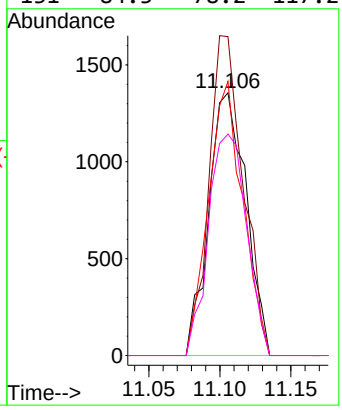




#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 11.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:164 Resp: 247

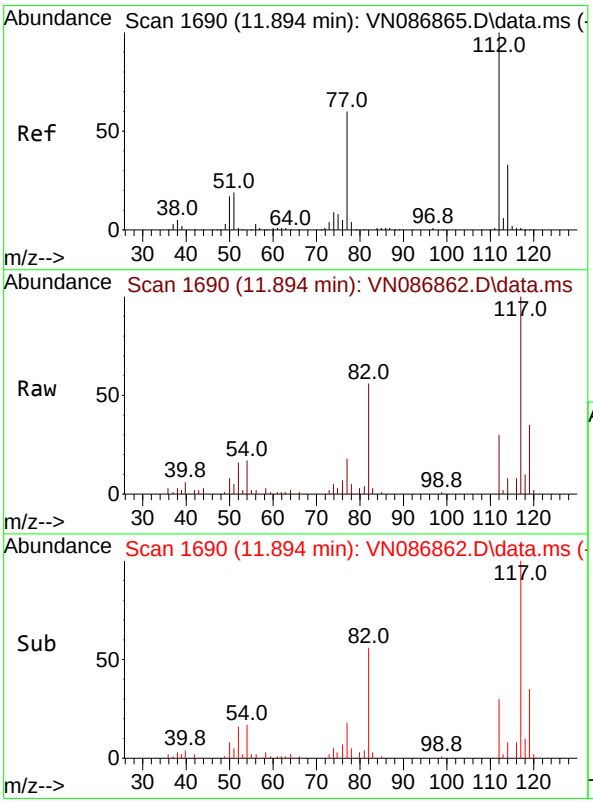
Ion	Ratio	Lower	Upper
164	100		
166	121.4	101.8	152.8
129	104.4	83.0	124.4
131	84.3	78.2	117.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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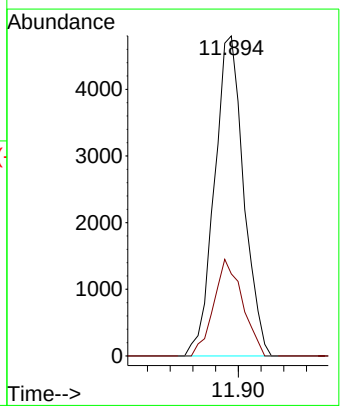
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

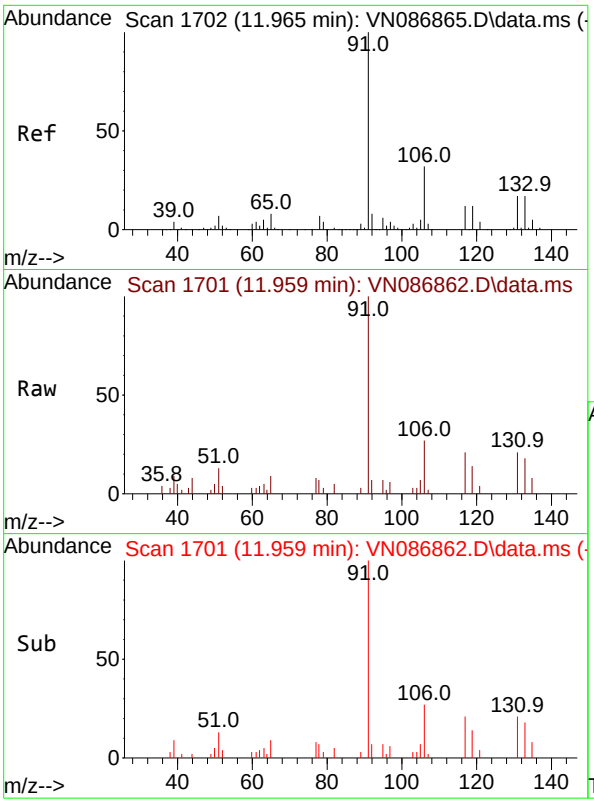


#65
Chlorobenzene
Concen: 1.118 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:112 Resp: 8581

Ion	Ratio	Lower	Upper
112	100		
114	25.7	26.2	39.2#





#66
1,1,1,2-Tetrachloroethane
Concen: 1.023 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

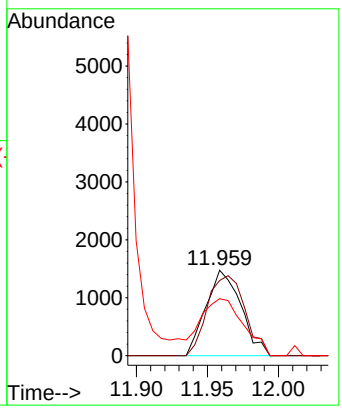
Tgt Ion:131 Resp: 252

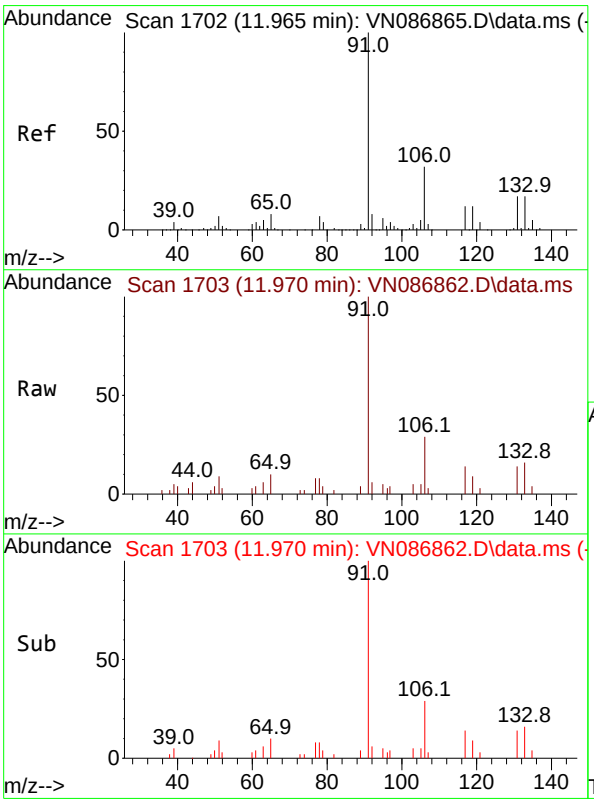
Ion	Ratio	Lower	Upper
131	100		
133	100.9	48.3	144.8
119	0.0	34.0	101.8#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

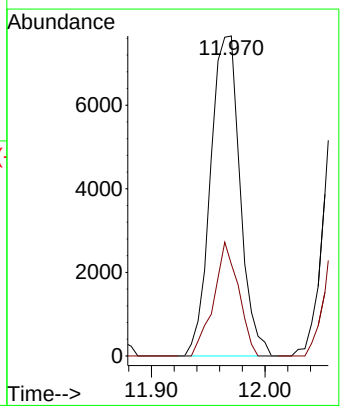


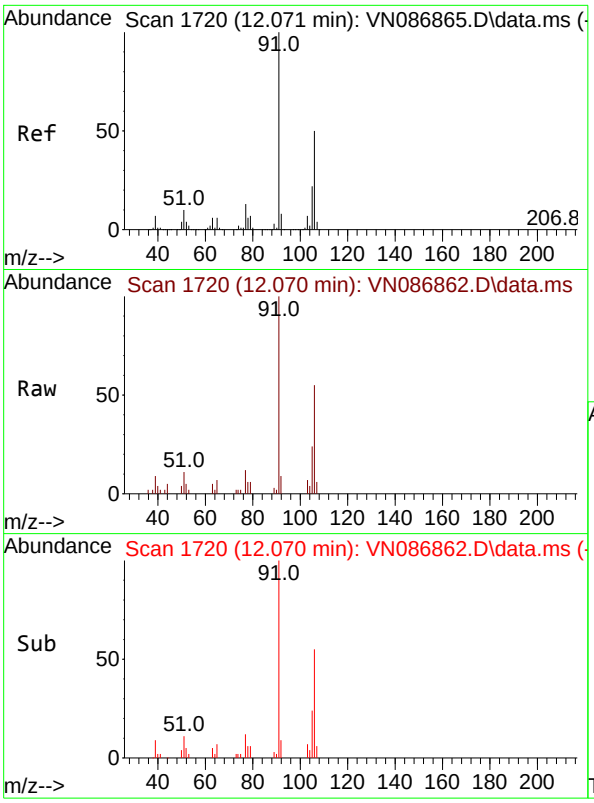


#67
Ethyl Benzene
Concen: 1.047 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 13845

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2





#68
m/p-Xylenes
Concen: 2.008 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

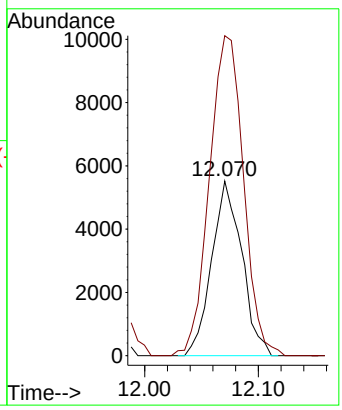
Tgt Ion:106 Resp: 1016

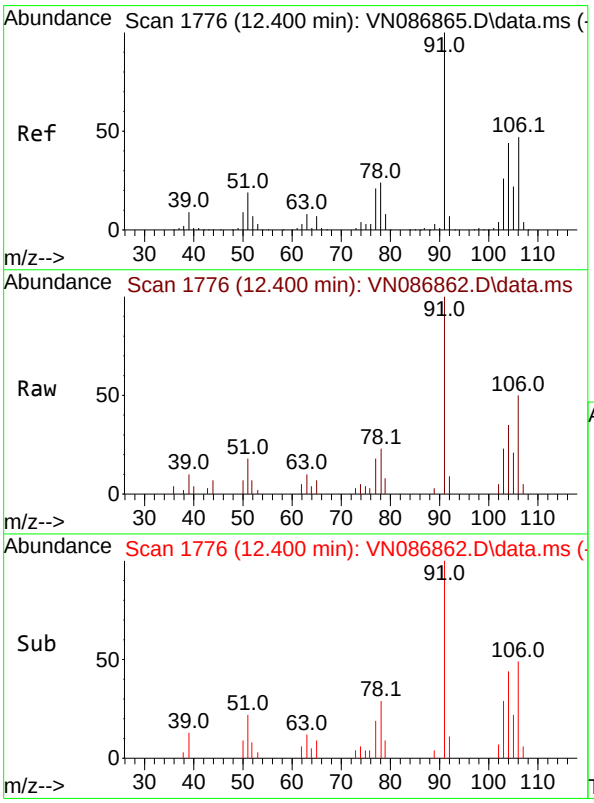
Ion	Ratio	Lower	Upper
106	100		
91	207.3	159.4	239.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

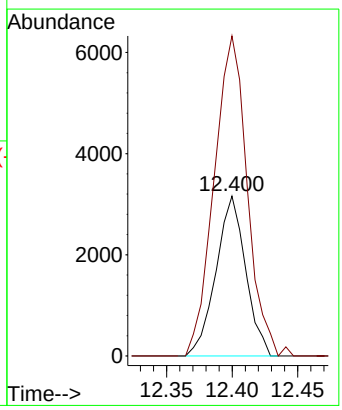


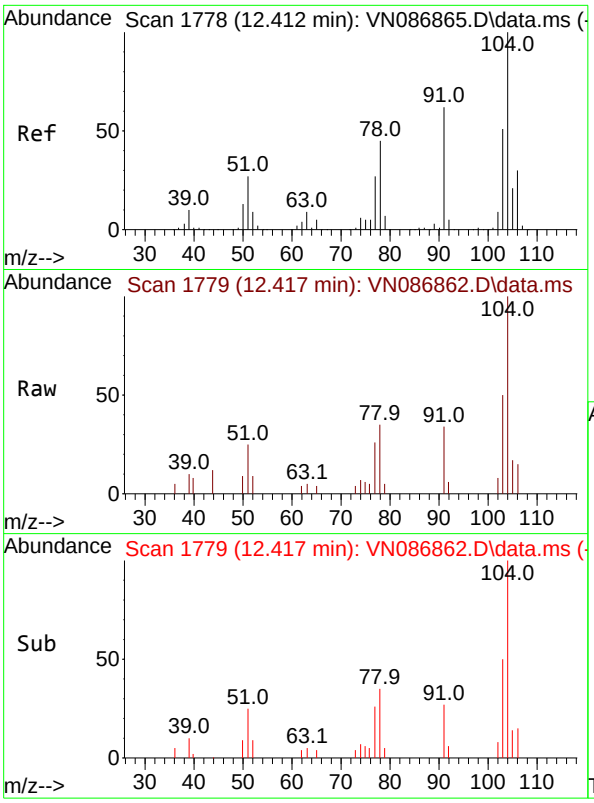


#69
o-Xylene
Concen: 1.025 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:106 Resp: 4970

Ion	Ratio	Lower	Upper
106	100		
91	223.6	106.1	318.1

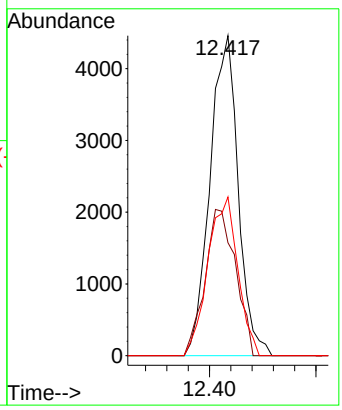




#70
Styrene
Concen: 0.987 ug/l
RT: 12.417 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:104 Resp: 818

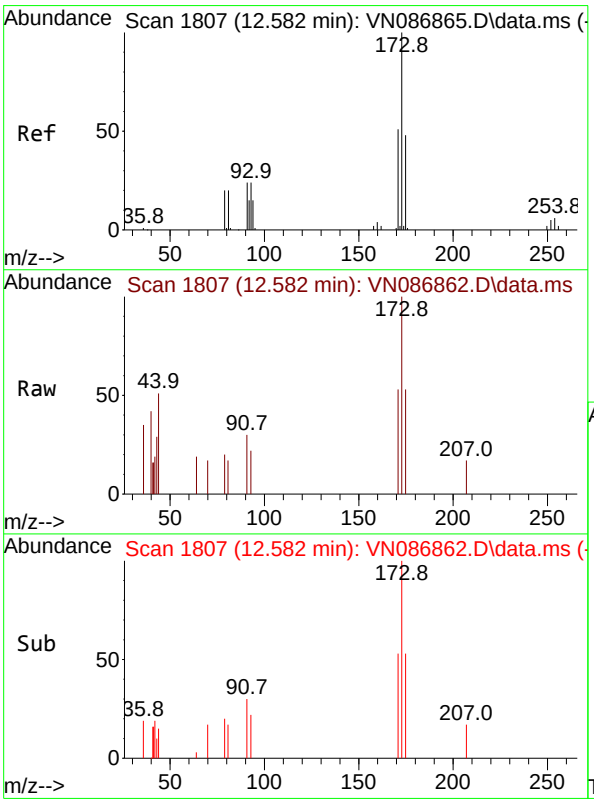
Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.5	57.7
103	52.5	43.1	64.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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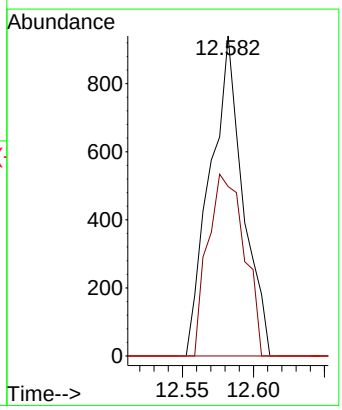
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

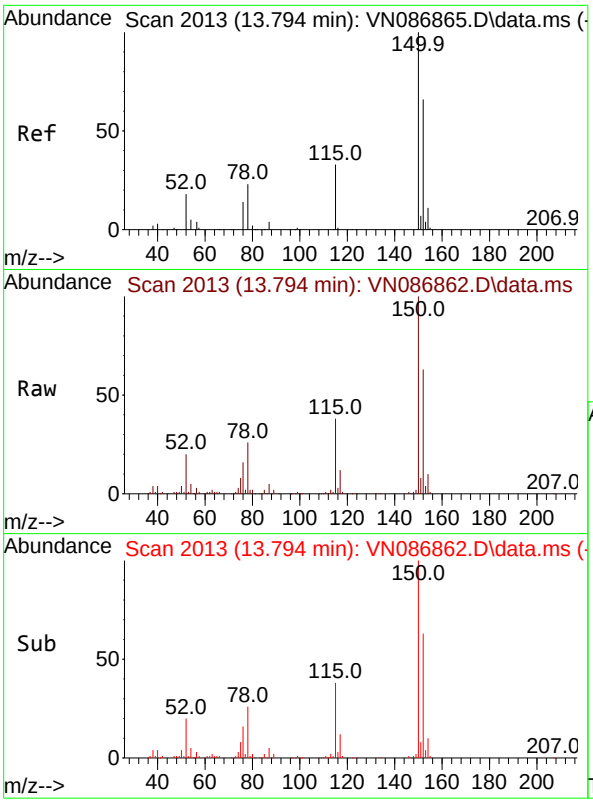


#71
Bromoform
Concen: 0.825 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:173 Resp: 1508

Ion	Ratio	Lower	Upper
173	100		
175	63.1	24.1	72.4
254	0.0	0.0	0.0

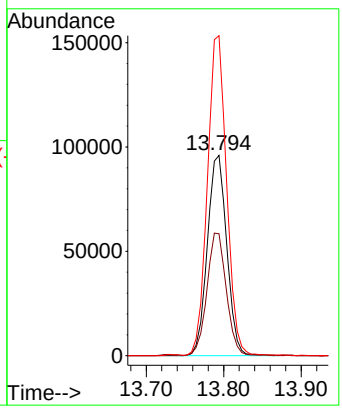




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:152 Resp: 16739

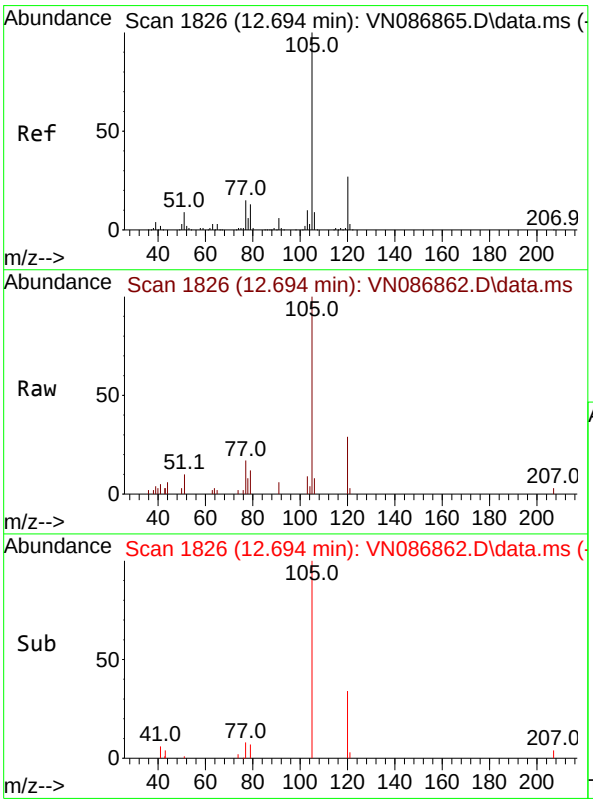
Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	158.0	0.0	345.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

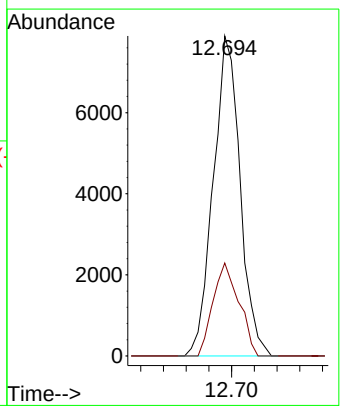
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

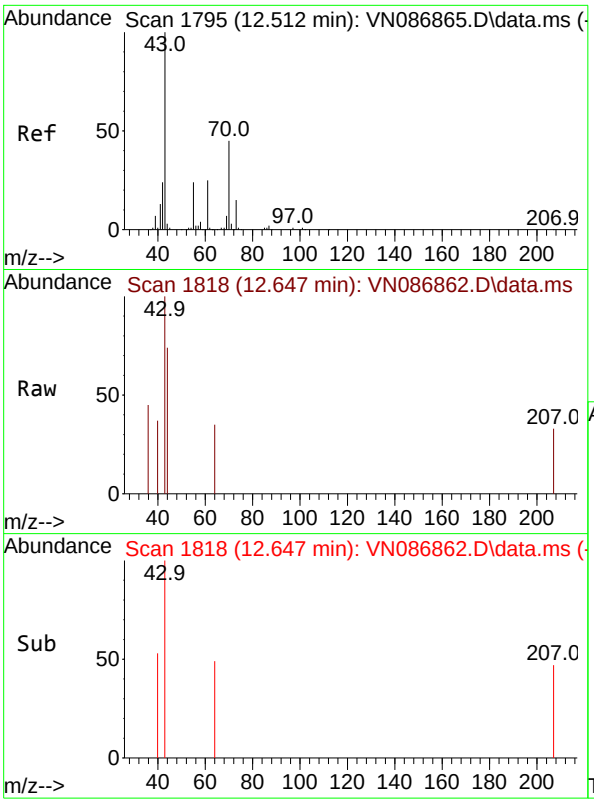


#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 12938

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.5	40.4

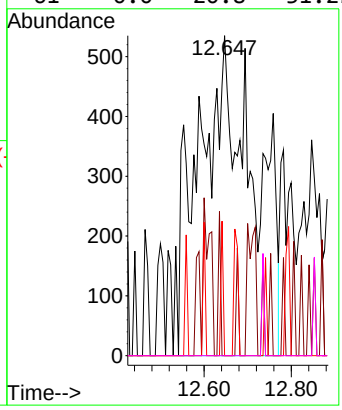




#74
N-amyl acetate
Concen: 1.138 ug/l m
RT: 12.647 min Scan# 1
Delta R.T. 0.135 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 460

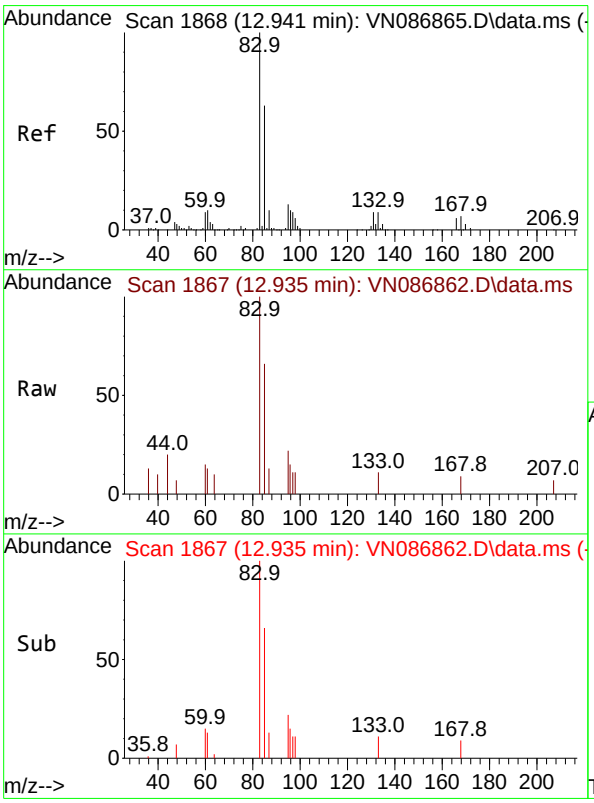
Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	0.0	20.8	31.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

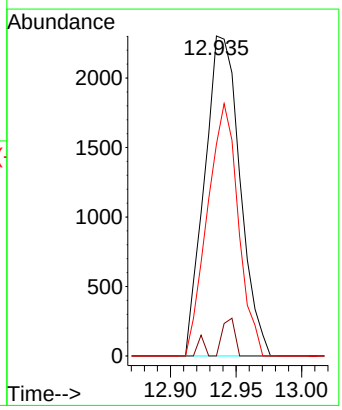
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

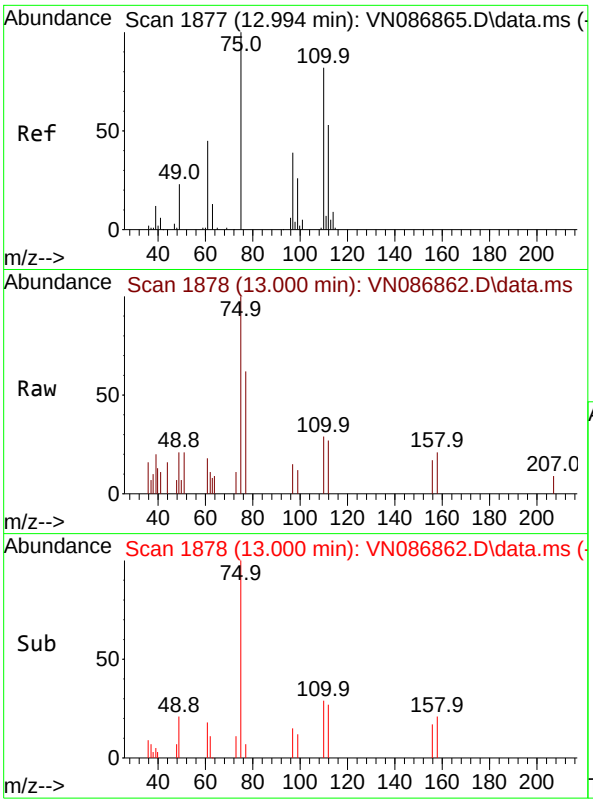


#75
1,1,2,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4326

Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.9	14.7#
85	68.6	32.0	96.0

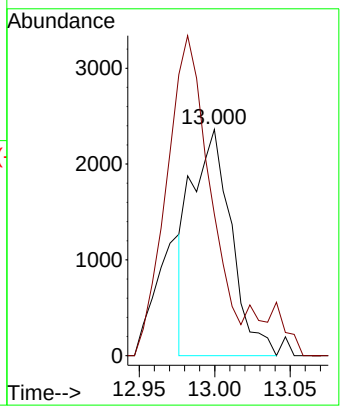




#76
1,2,3-Trichloropropane
Concen: 1.088 ug/l m
RT: 13.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 434

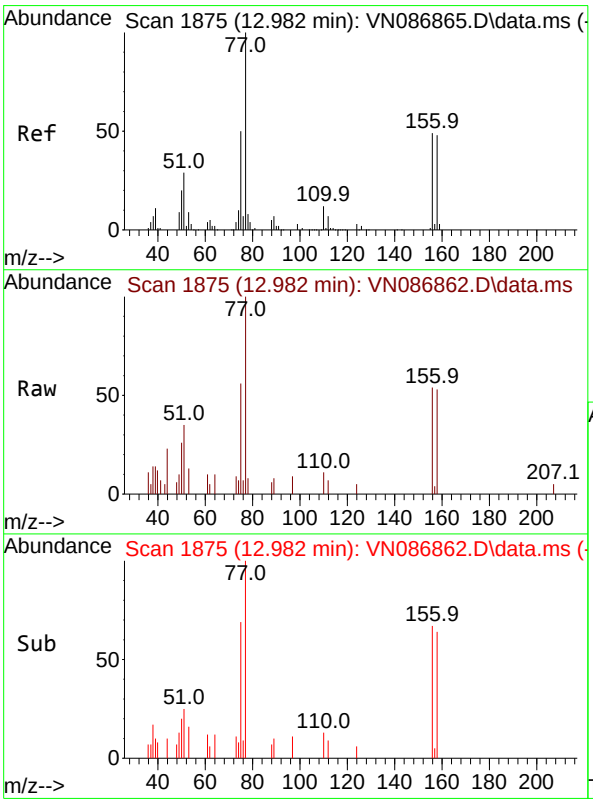
Ion	Ratio	Lower	Upper
75	100		
77	154.4	79.3	237.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

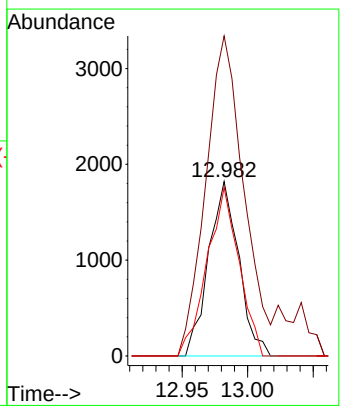
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

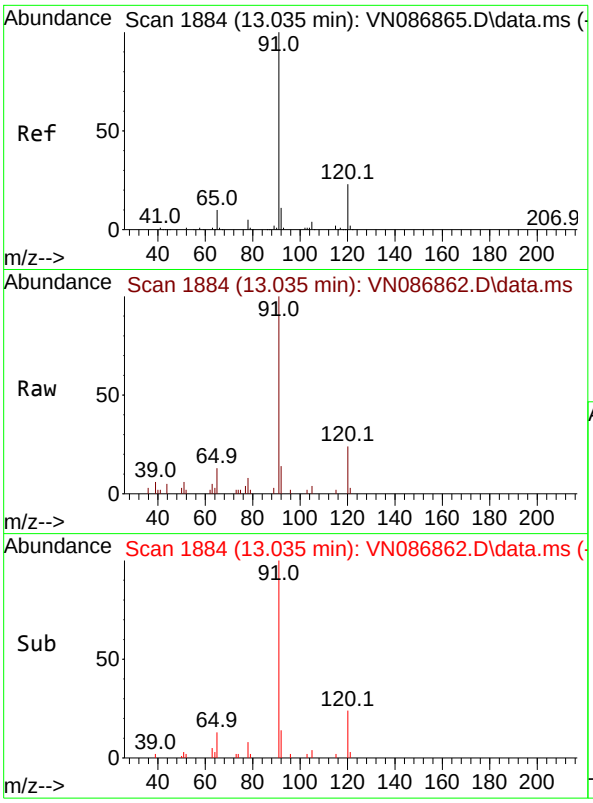


#77
Bromobenzene
Concen: 1.042 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:156 Resp: 2913

Ion	Ratio	Lower	Upper
156	100		
77	230.2	117.7	353.1
158	102.5	48.1	144.4

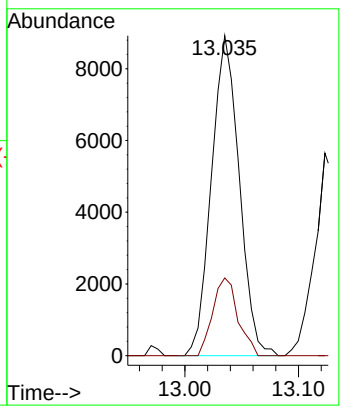




#78
n-propylbenzene
Concen: 1.023 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 1516

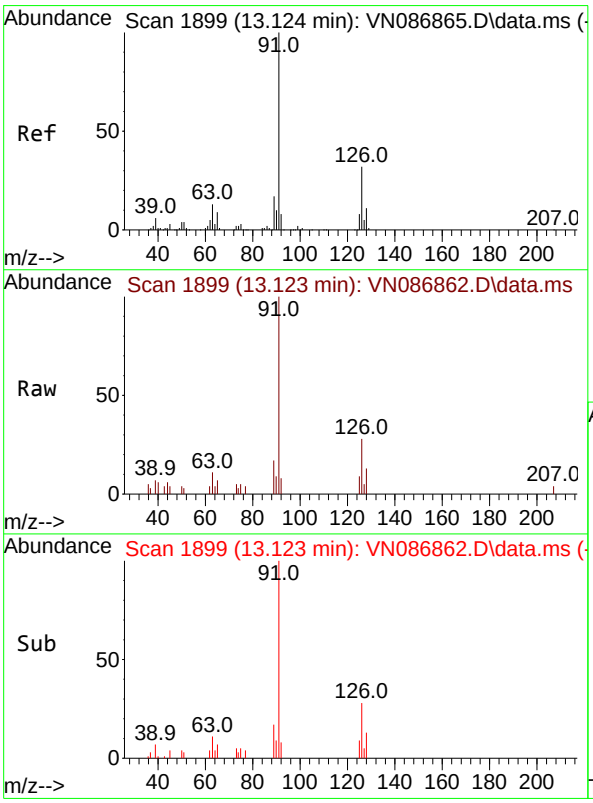
Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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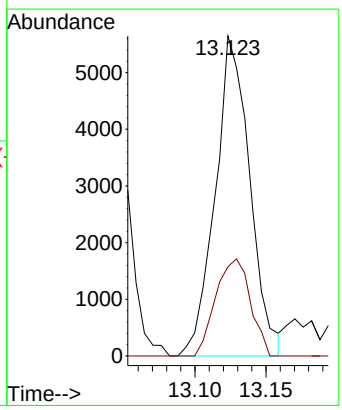
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

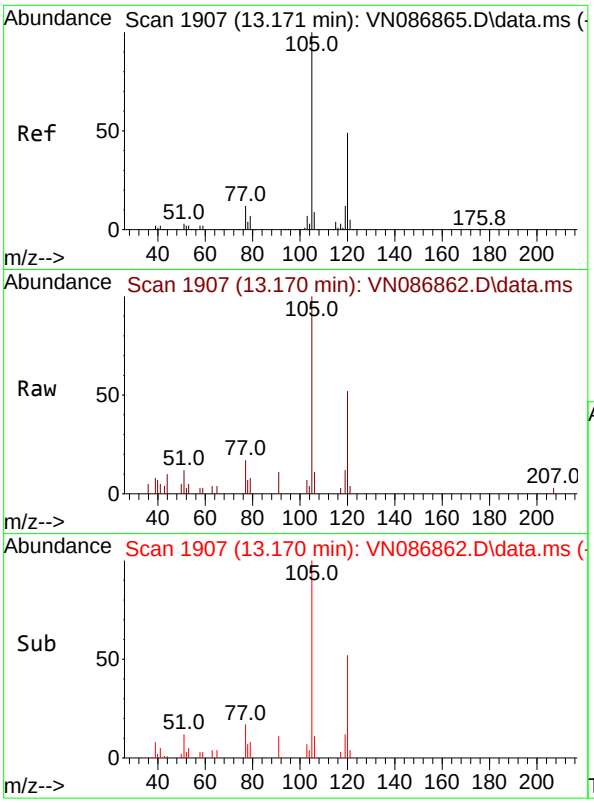


#79
2-Chlorotoluene
Concen: 1.074 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9550

Ion	Ratio	Lower	Upper
91	100		
126	30.4	16.2	48.5

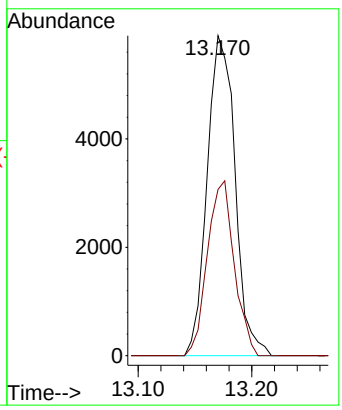




#80
1,3,5-Trimethylbenzene
Concen: 0.999 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 1005

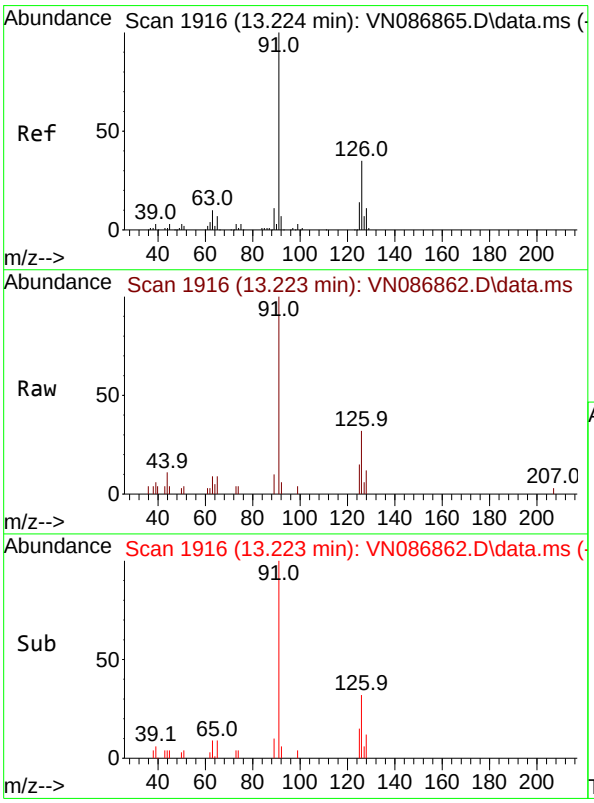
Ion	Ratio	Lower	Upper
105	100		
120	52.7	24.9	74.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

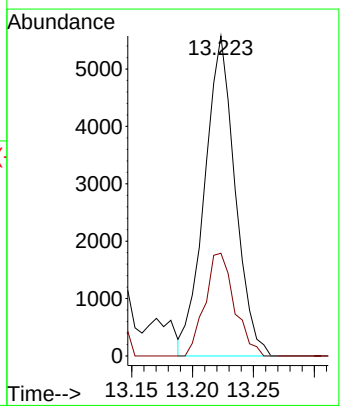
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

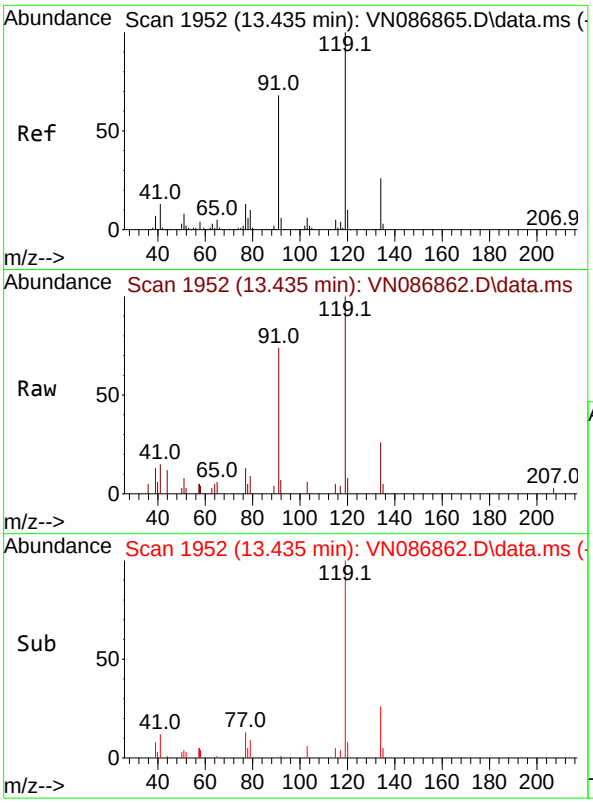


#82
4-Chlorotoluene
Concen: 1.079 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9706

Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.7	50.1

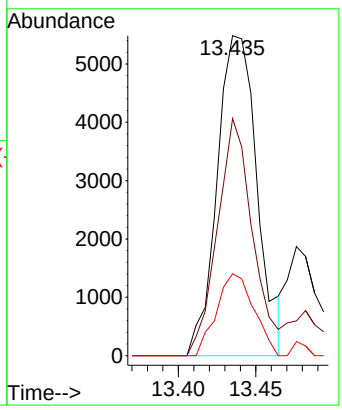




#83
tert-Butylbenzene
Concen: 1.069 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 984

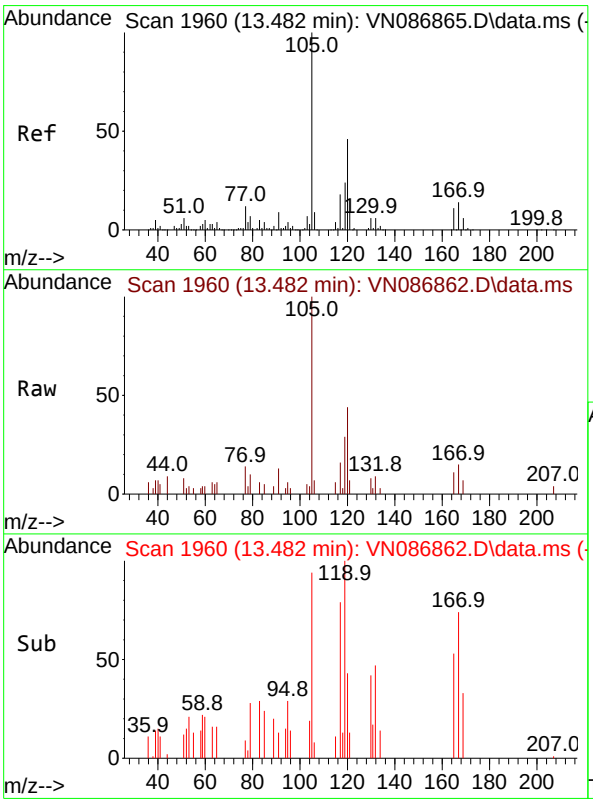
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	23.9	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

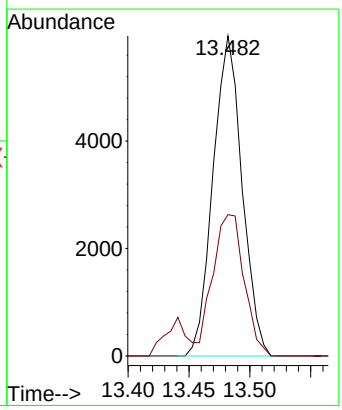
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

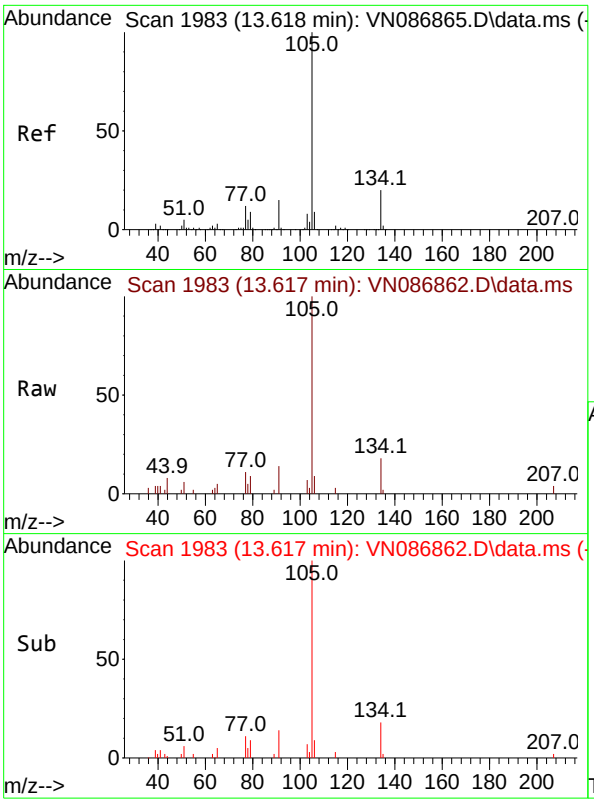


#84
1,2,4-Trimethylbenzene
Concen: 0.979 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 9882

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6

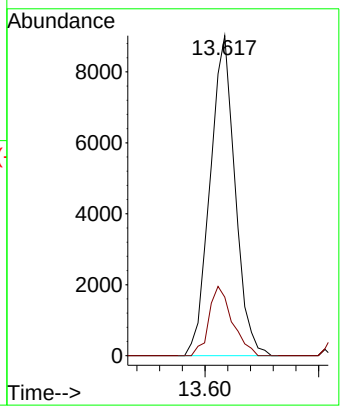




#85
sec-Butylbenzene
Concen: 1.029 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 1377

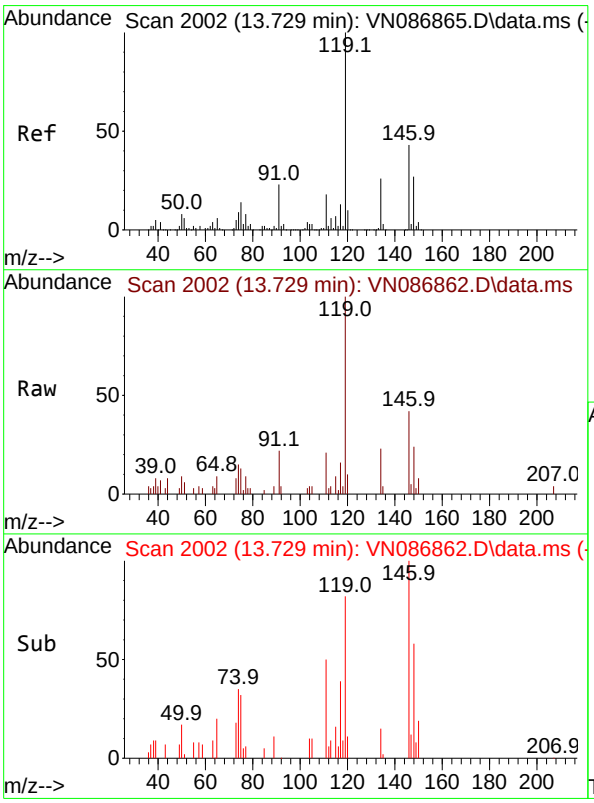
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

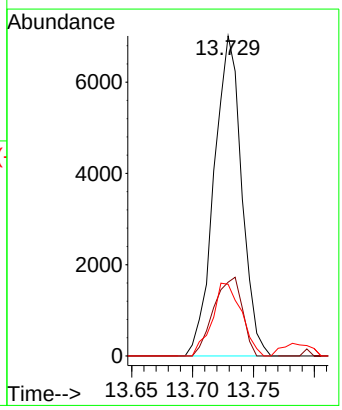
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

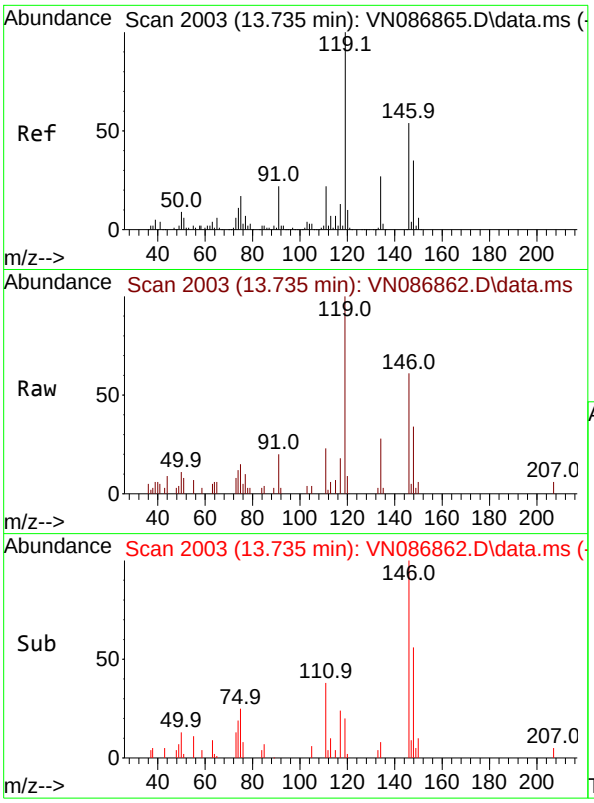


#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 11065

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.5	40.4
91	24.1	11.5	34.4

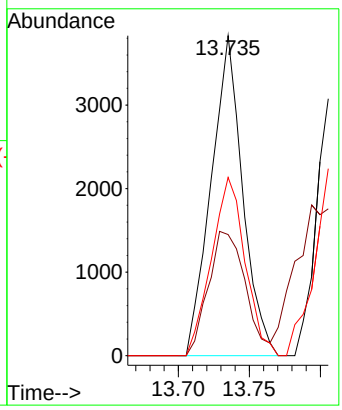




#87
1,3-Dichlorobenzene
Concen: 1.073 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 590

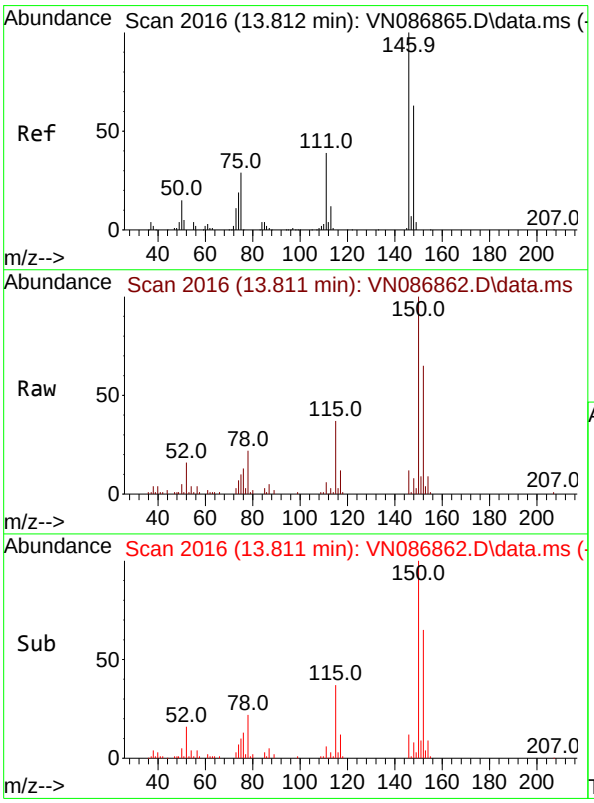
Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.9	62.8
148	59.7	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

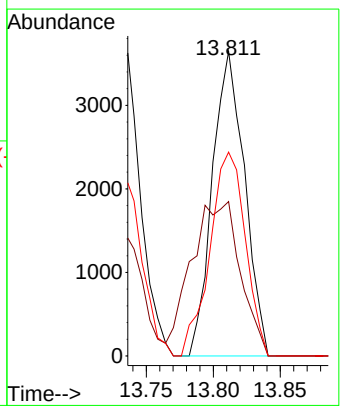
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

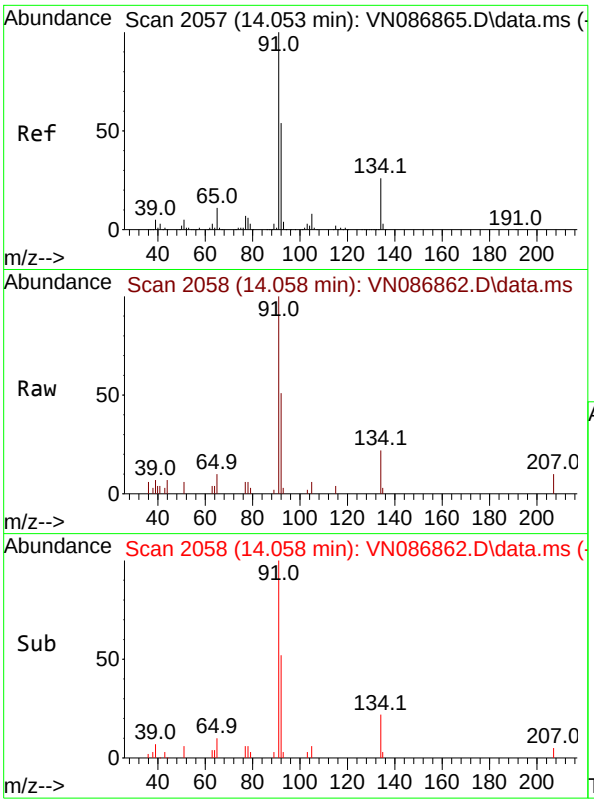


#88
1,4-Dichlorobenzene
Concen: 1.086 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 6094

Ion	Ratio	Lower	Upper
146	100		
111	44.4	19.9	59.7
148	57.8	31.8	95.4

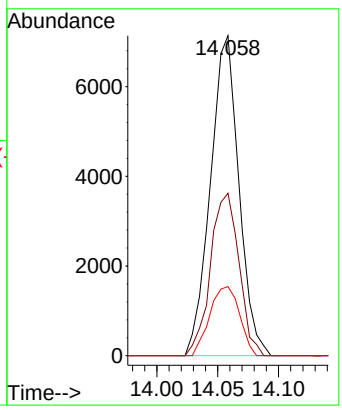




#89
n-Butylbenzene
Concen: 1.085 ug/l
RT: 14.058 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 1162

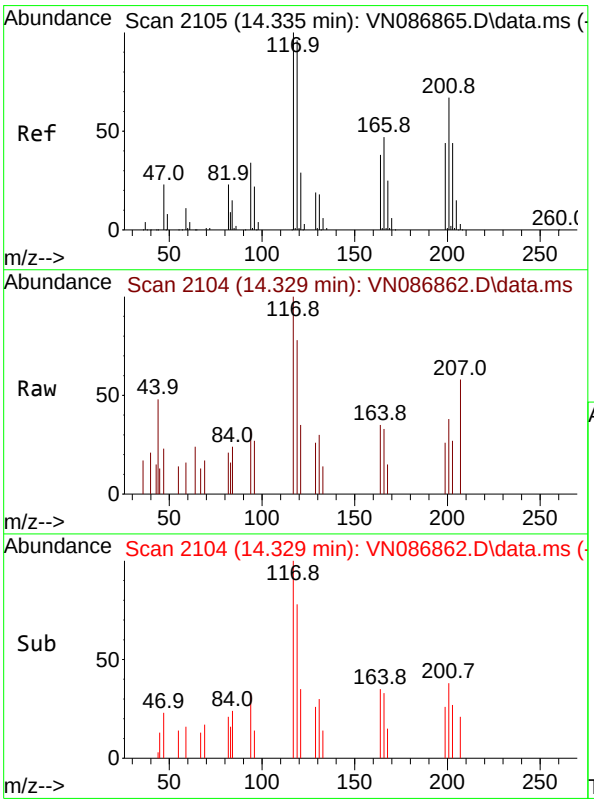
Ion	Ratio	Lower	Upper
91	100		
92	50.8	27.5	82.4
134	22.6	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

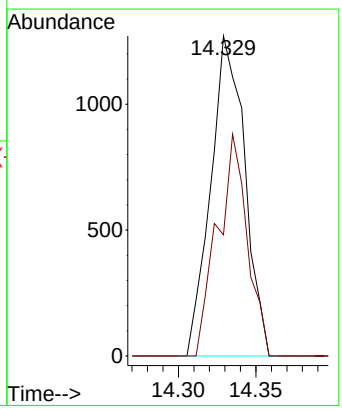
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

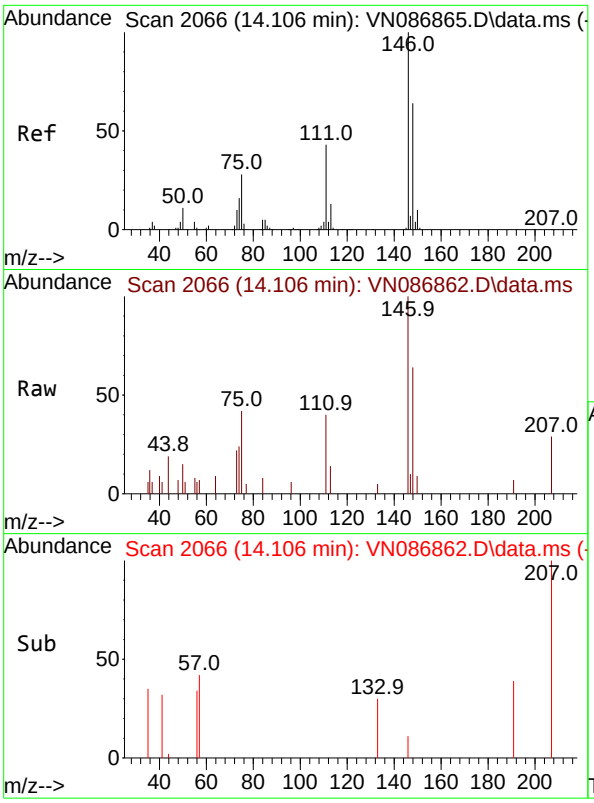


#90
Hexachloroethane
Concen: 1.036 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 1942

Ion	Ratio	Lower	Upper
117	100		
201	60.6	33.2	99.6

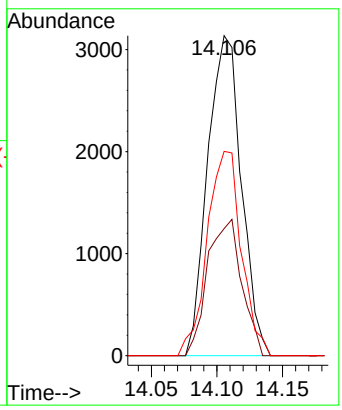




#91
1,2-Dichlorobenzene
Concen: 1.061 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 560

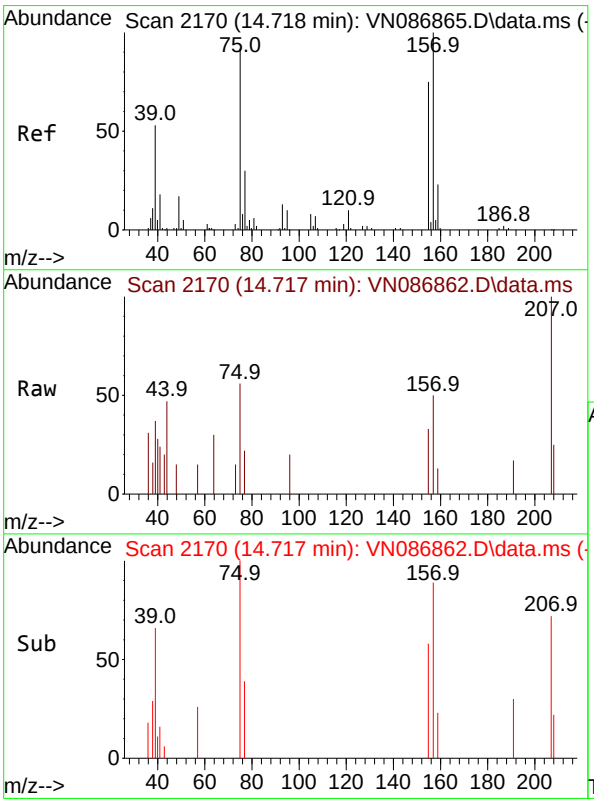
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	64.7	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

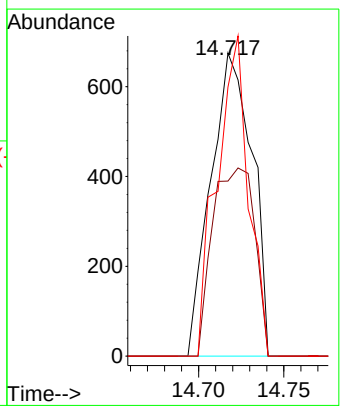
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

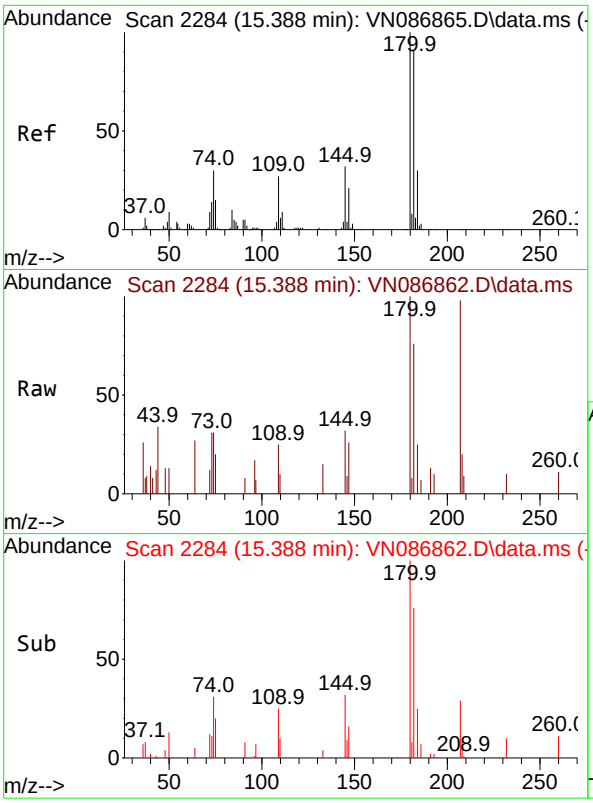


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.150 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 1136

Ion	Ratio	Lower	Upper
75	100		
155	63.6	41.1	123.4
157	81.0	52.7	158.1

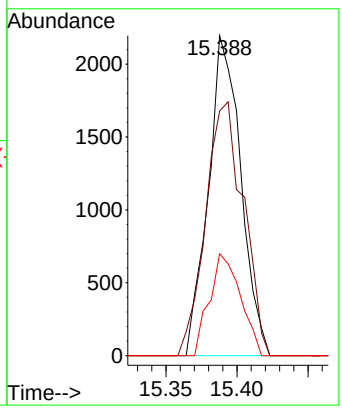




#93
1,2,4-Trichlorobenzene
Concen: 1.034 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 348

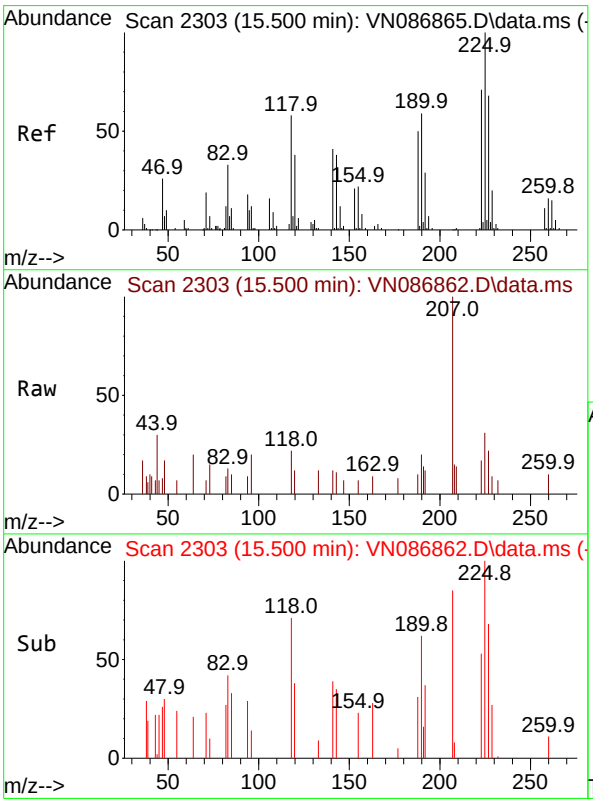
Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.9	140.7
145	30.4	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

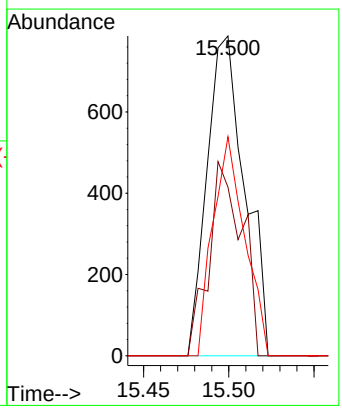
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

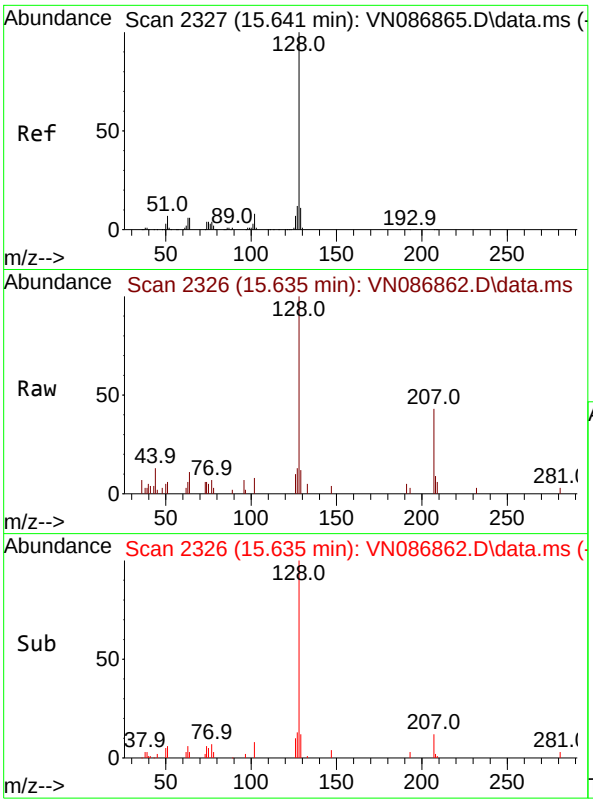


#94
Hexachlorobutadiene
Concen: 0.969 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:225 Resp: 1219

Ion	Ratio	Lower	Upper
225	100		
223	53.6	33.5	100.4
227	57.5	31.1	93.5

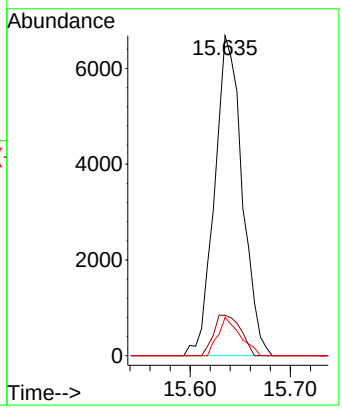




#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:128 Resp: 1278

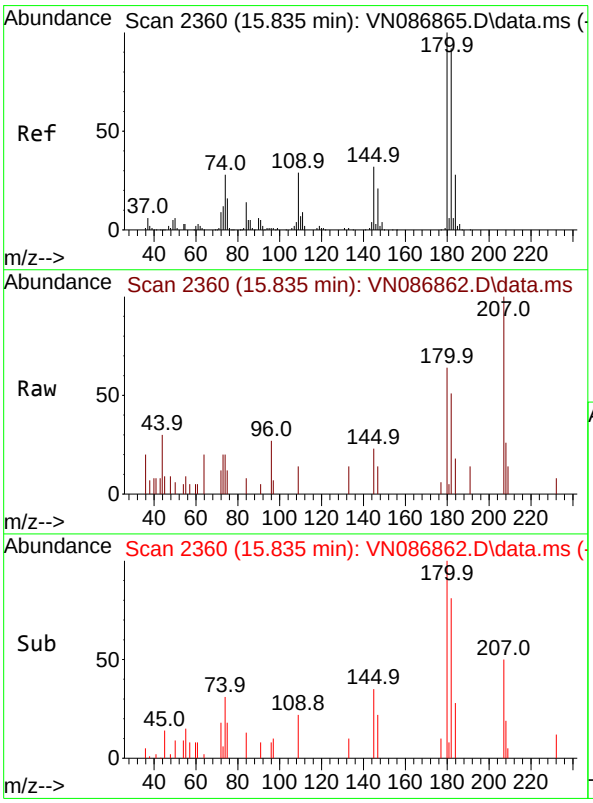
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	9.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

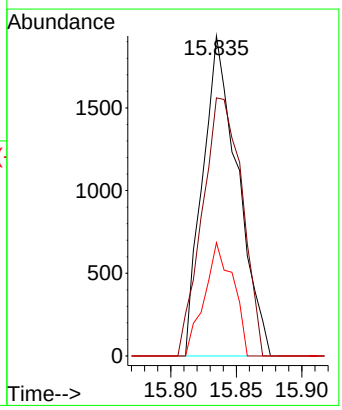
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.072 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 3594

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.0	141.0
145	29.0	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

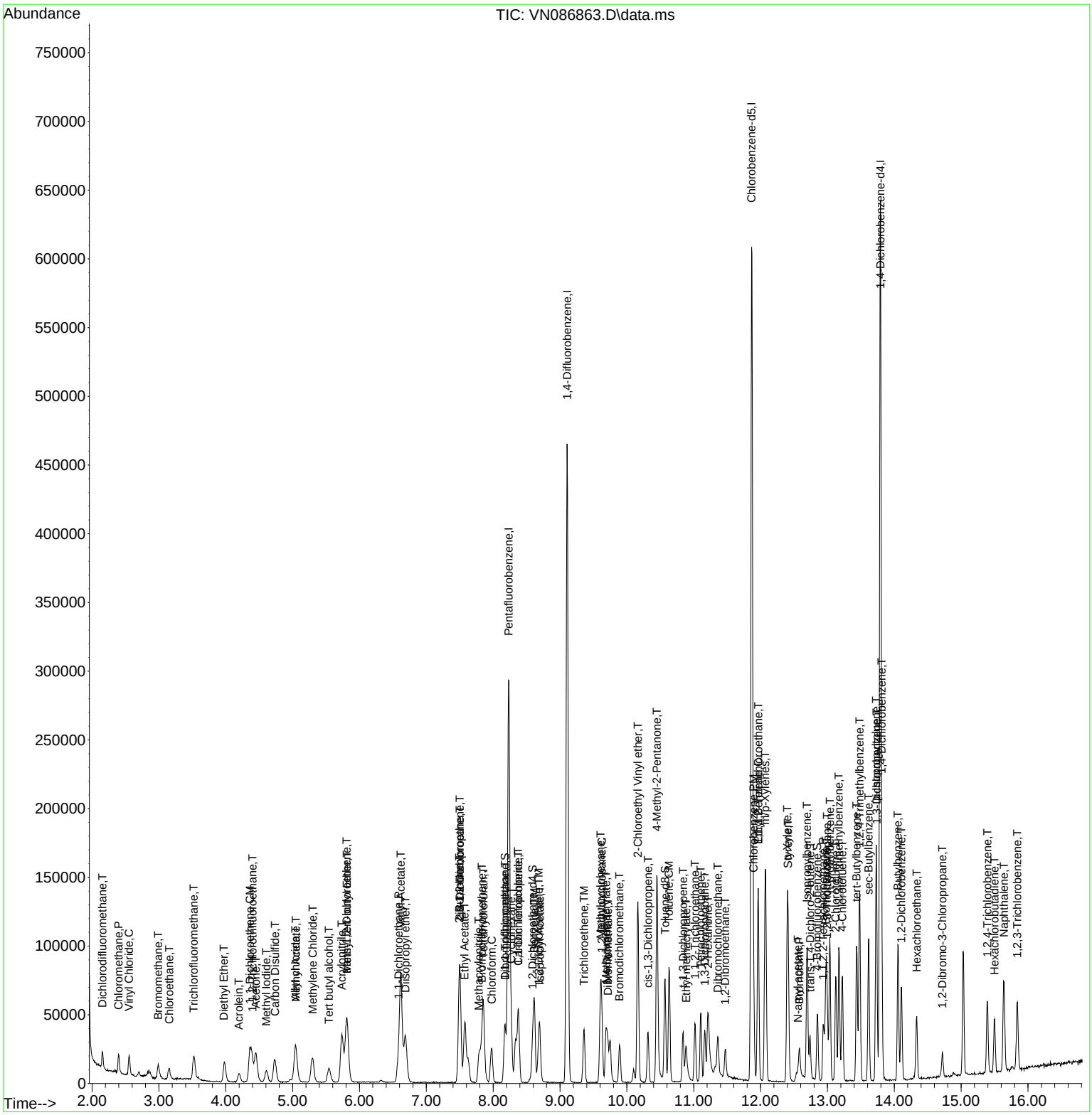
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

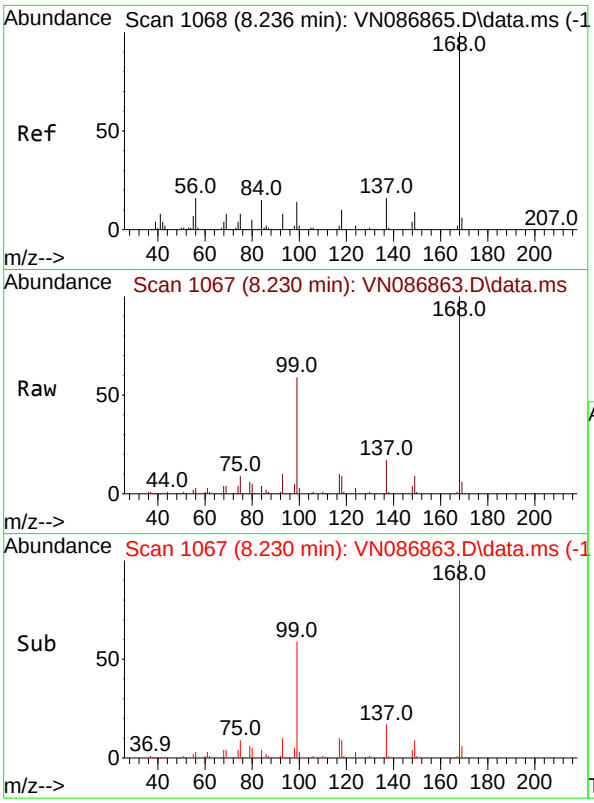
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

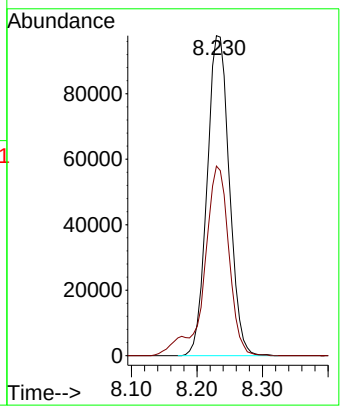




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:168 Resp: 22970

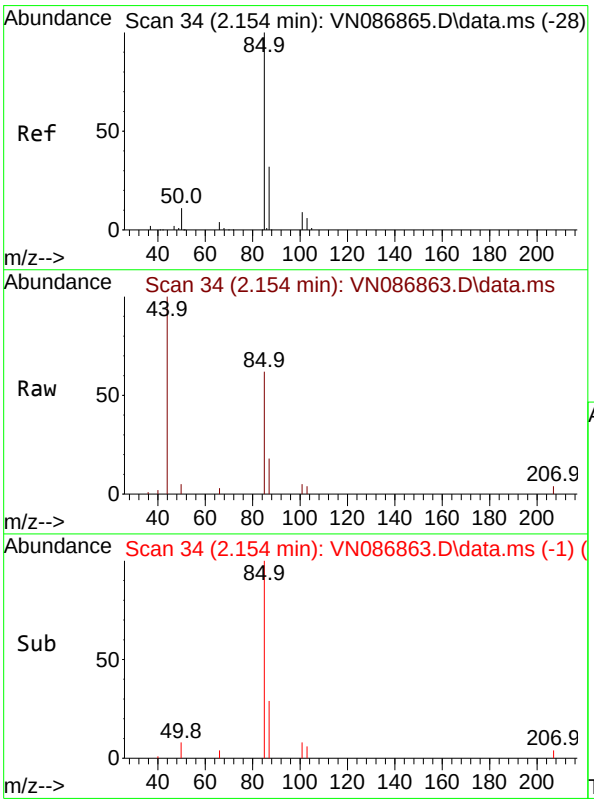
Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

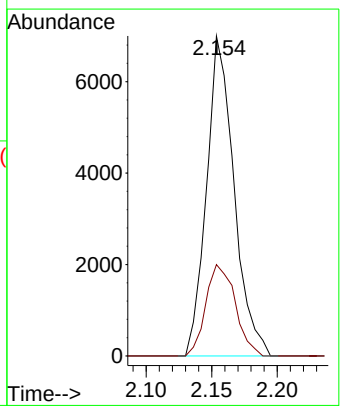
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

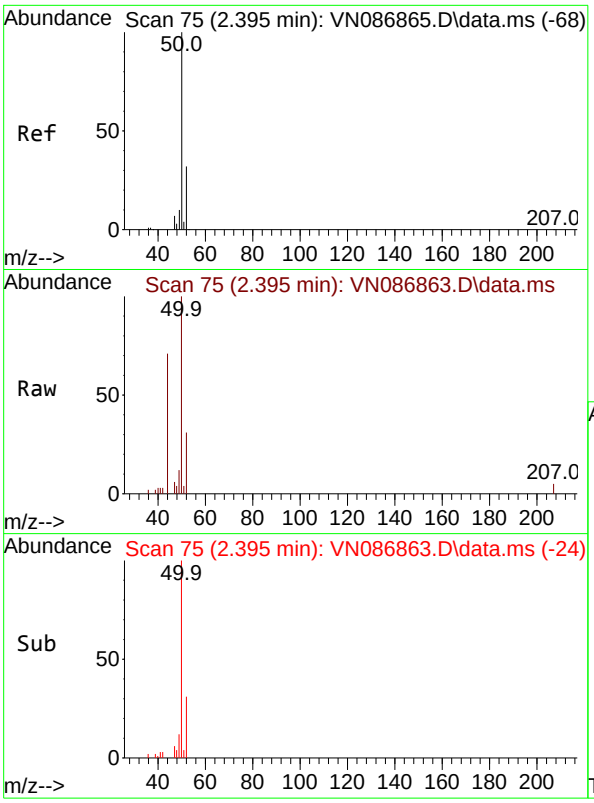


#2
Dichlorodifluoromethane
Concen: 4.452 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 85 Resp: 10196

Ion	Ratio	Lower	Upper
85	100		
87	28.6	16.2	48.6

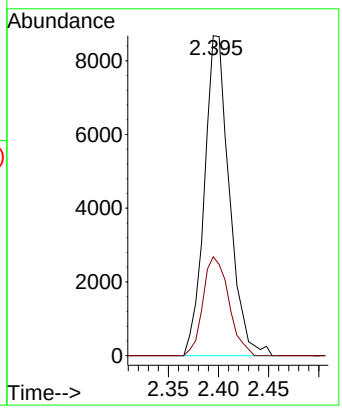




#3
Chloromethane
Concen: 5.080 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 50 Resp: 1502

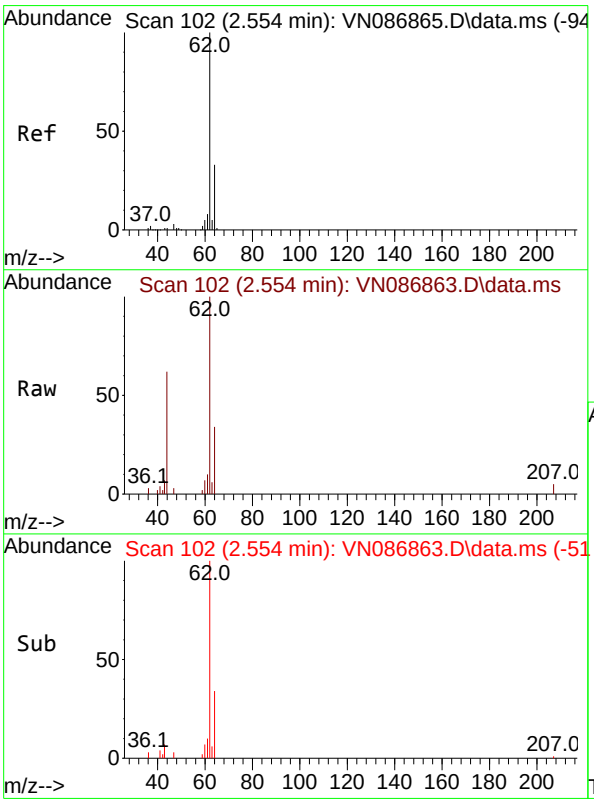
Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

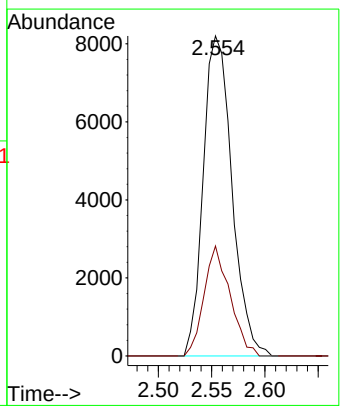
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

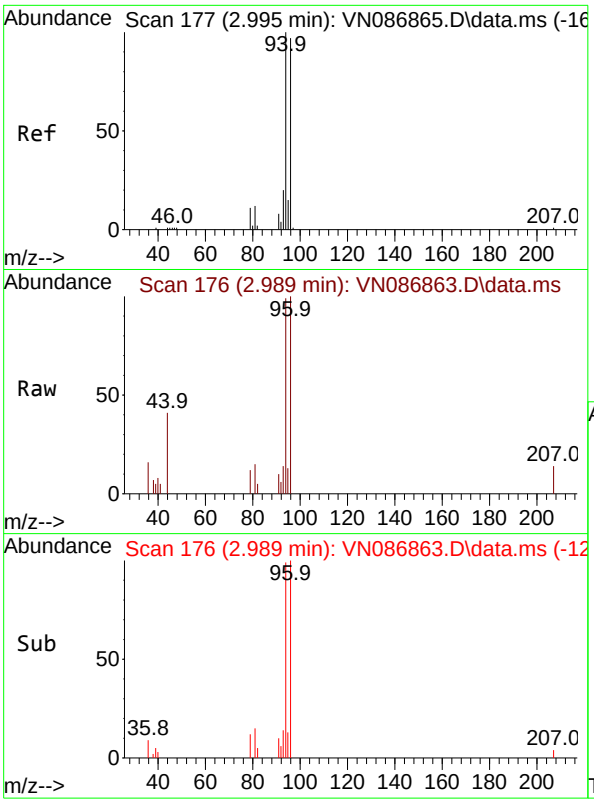


#4
Vinyl Chloride
Concen: 5.043 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.0	39.0

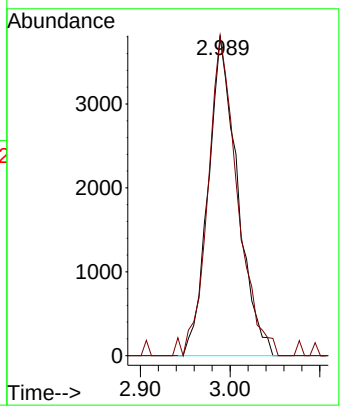




#5
Bromomethane
Concen: 5.041 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 94 Resp: 860

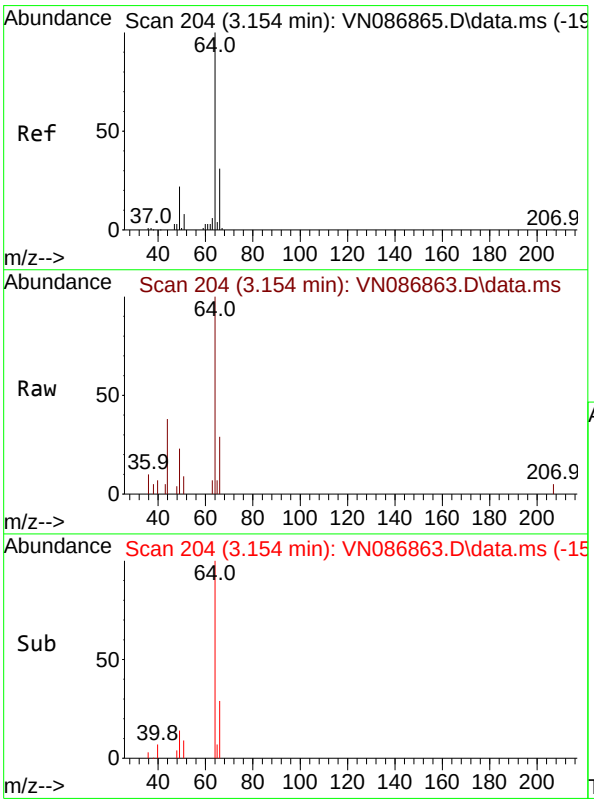
Ion	Ratio	Lower	Upper
94	100		
96	100.6	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

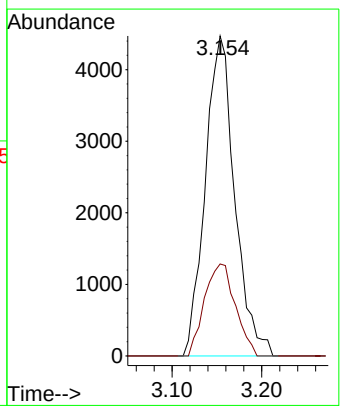
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

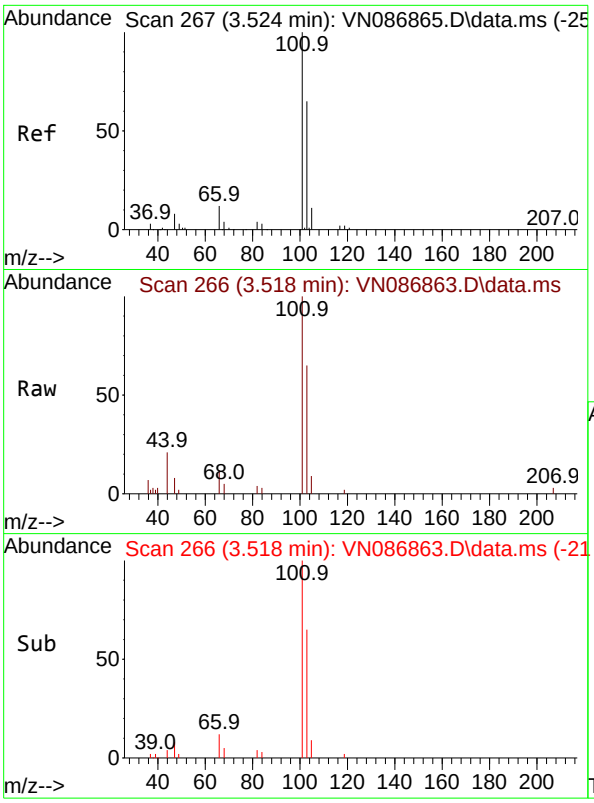


#6
Chloroethane
Concen: 5.171 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 64 Resp: 10190

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.6	36.8

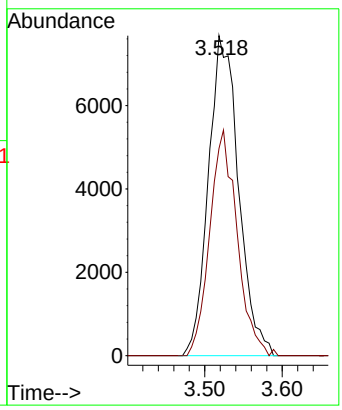




#7
Trichlorofluoromethane
Concen: 5.203 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:101 Resp: 2074

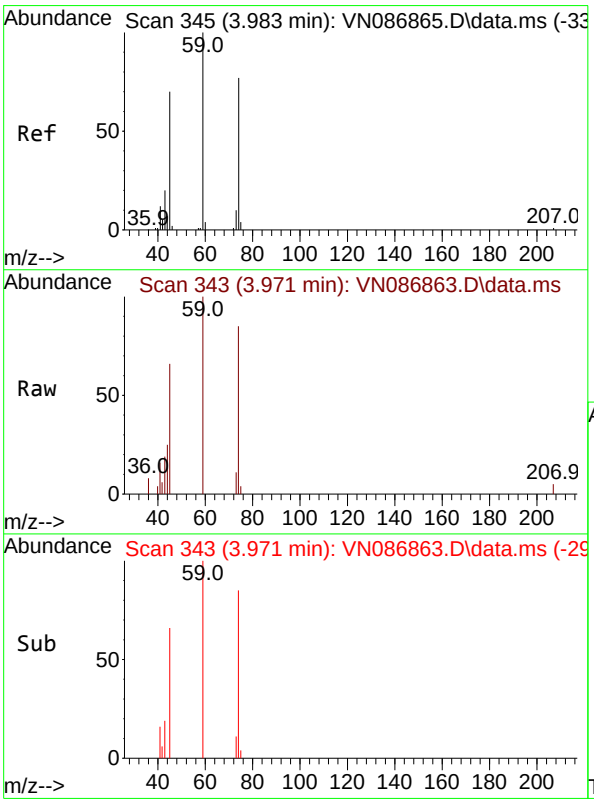
Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

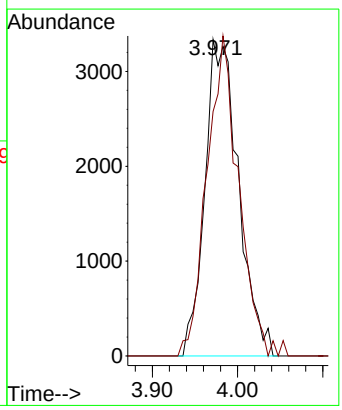
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

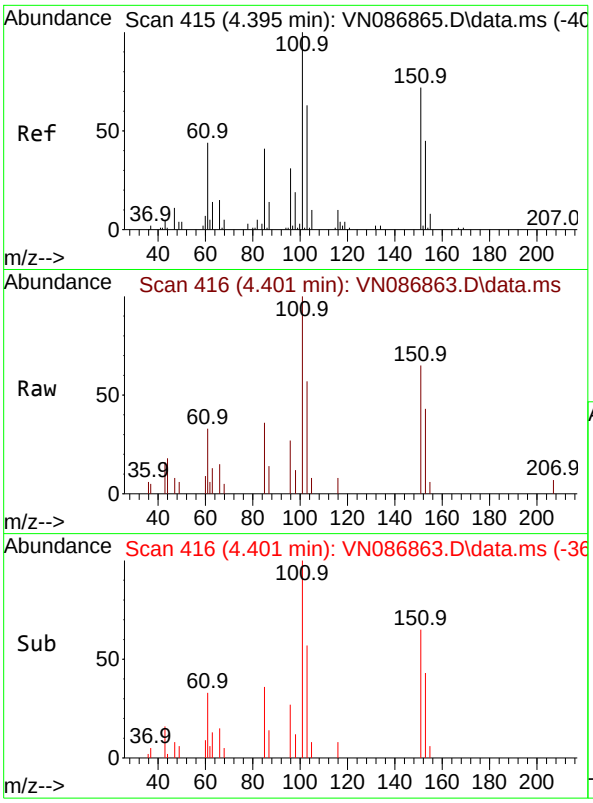


#8
Diethyl Ether
Concen: 5.252 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 74 Resp: 9121

Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.5	136.5

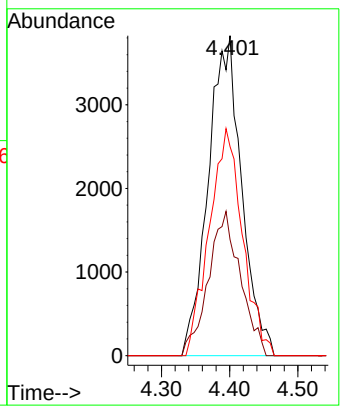




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.205 ug/l
RT: 4.401 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:101 Resp: 1303

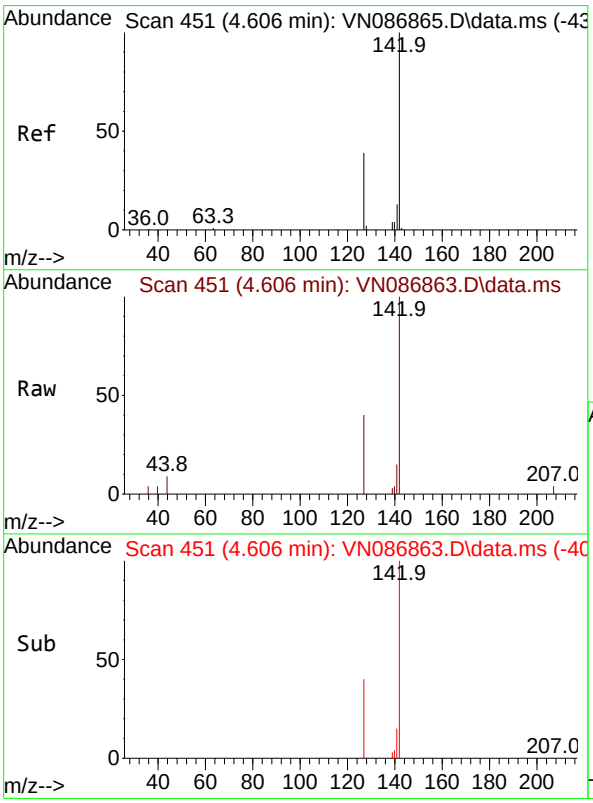
Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.8	50.8
151	70.8	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

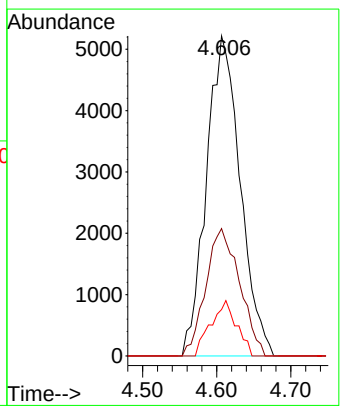
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

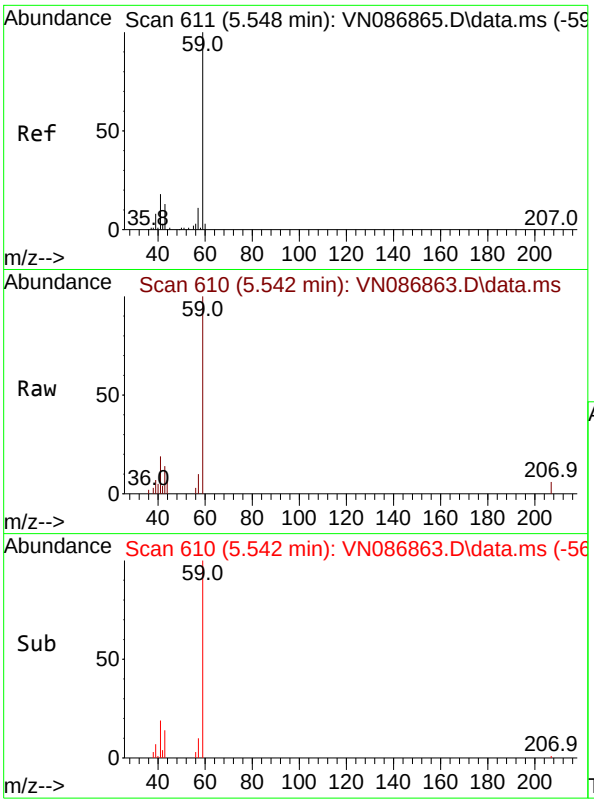


#10
Methyl Iodide
Concen: 5.092 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:142 Resp: 16530

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.5	10.4	15.6

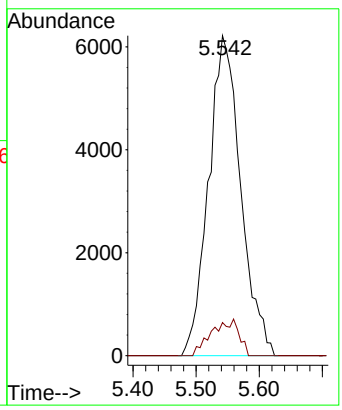




#11
Tert butyl alcohol
Concen: 26.363 ug/l
RT: 5.542 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 59 Resp: 2200

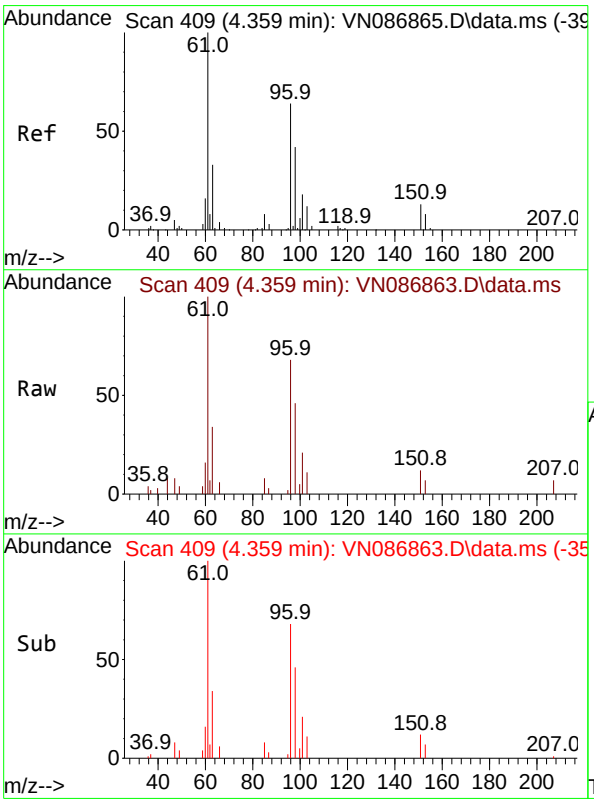
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

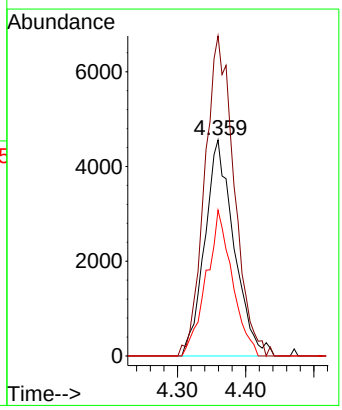
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

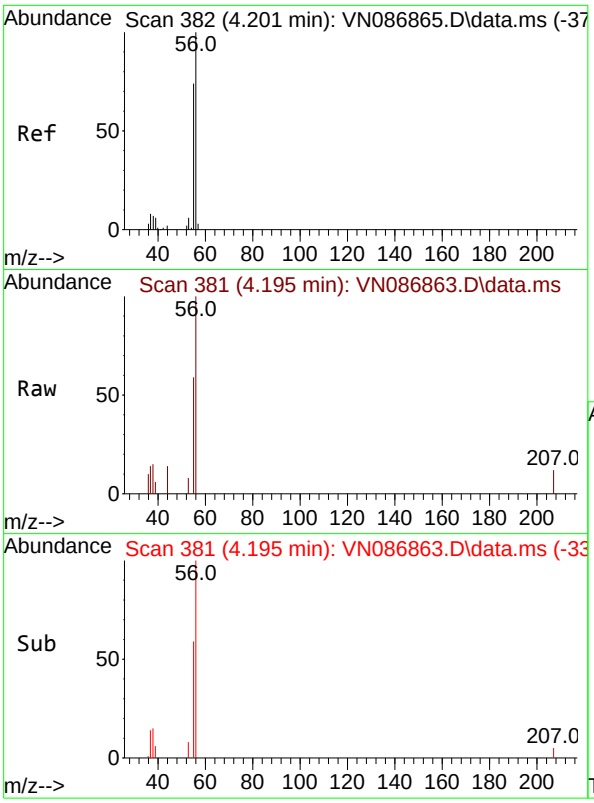


#12
1,1-Dichloroethene
Concen: 5.323 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 13610

Ion	Ratio	Lower	Upper
96	100		
61	148.1	125.8	188.6
98	67.5	52.5	78.7

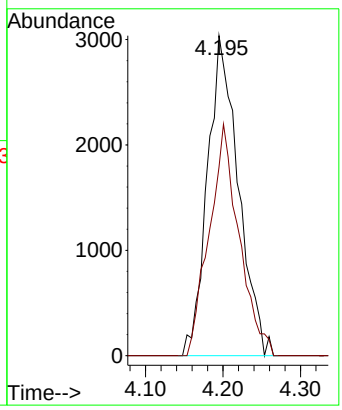




#13
Acrolein
Concen: 31.804 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 56 Resp: 840

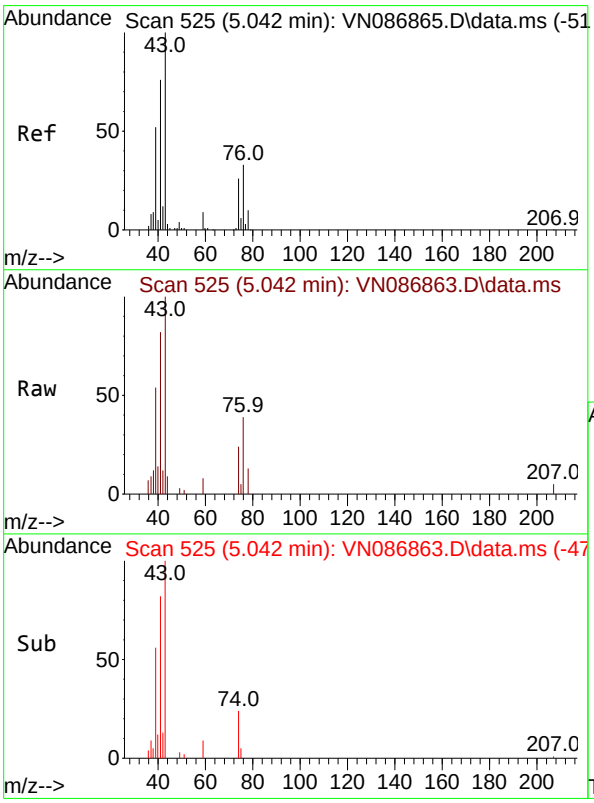
Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

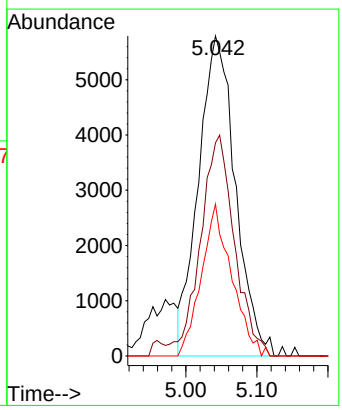
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

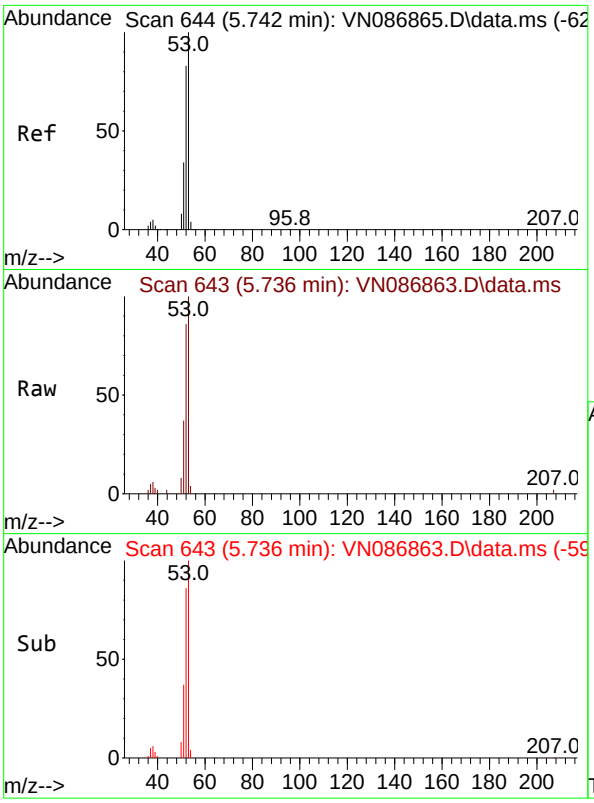


#14
Allyl chloride
Concen: 4.935 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 20925

Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.3	76.9
76	39.0	31.4	47.0

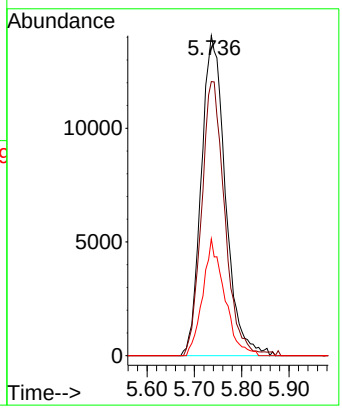




#15
Acrylonitrile
Concen: 25.545 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 53 Resp: 4982

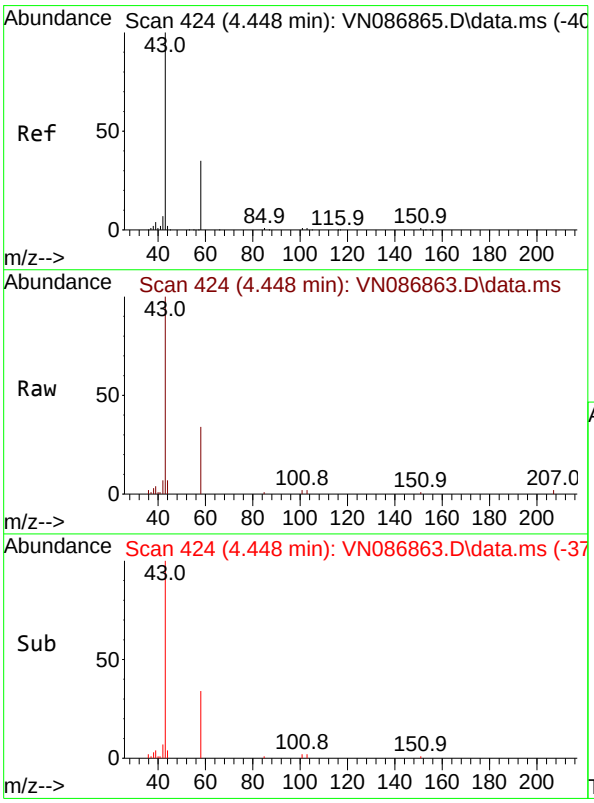
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	32.9	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

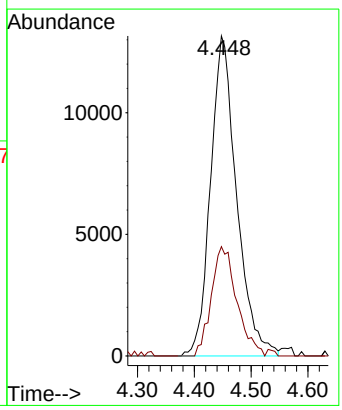
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

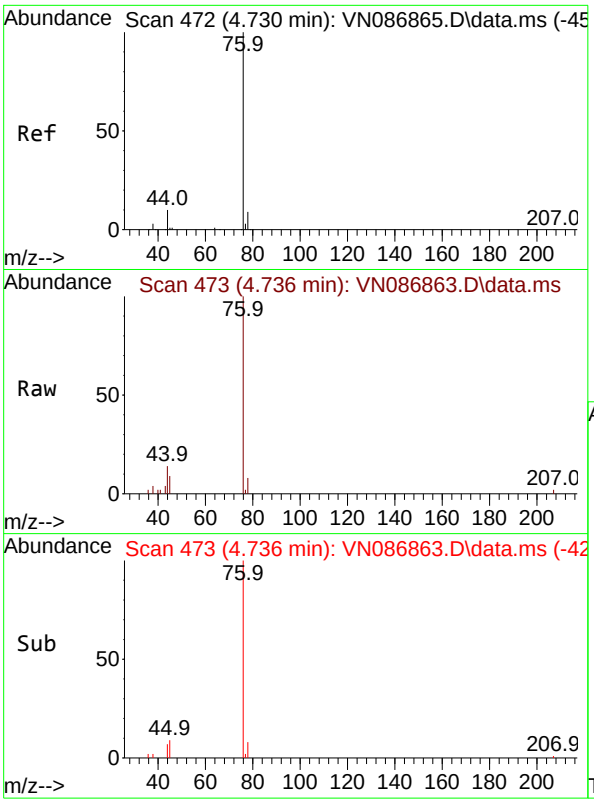


#16
Acetone
Concen: 25.741 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 41981

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.0	42.0

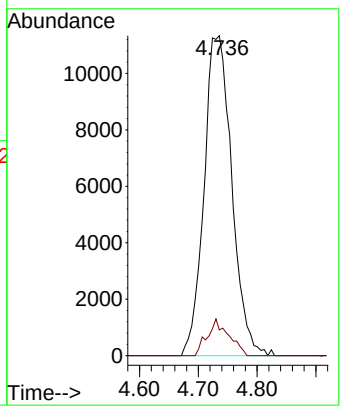




#17
Carbon Disulfide
Concen: 5.267 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 76 Resp: 3724

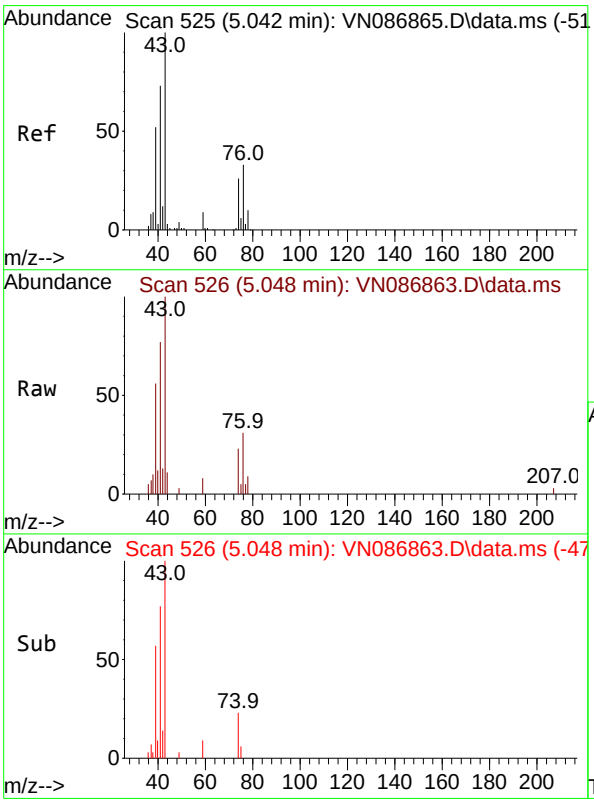
Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

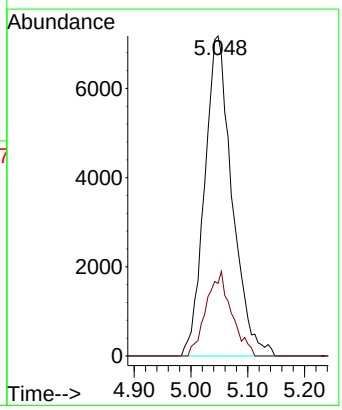
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

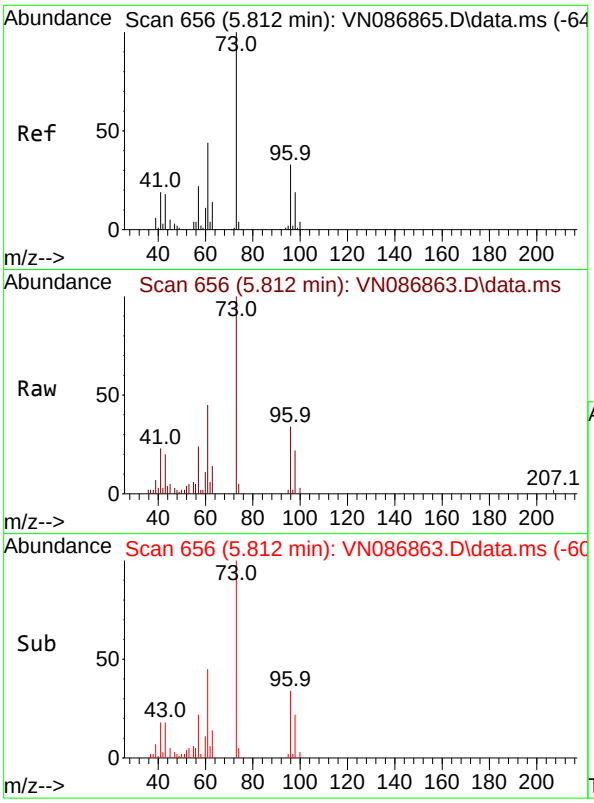


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 24096

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.7	31.1

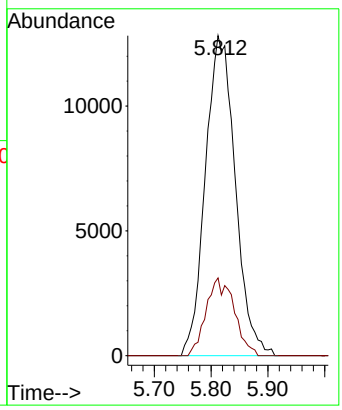




#19
Methyl tert-butyl Ether
Concen: 5.058 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 73 Resp: 4682

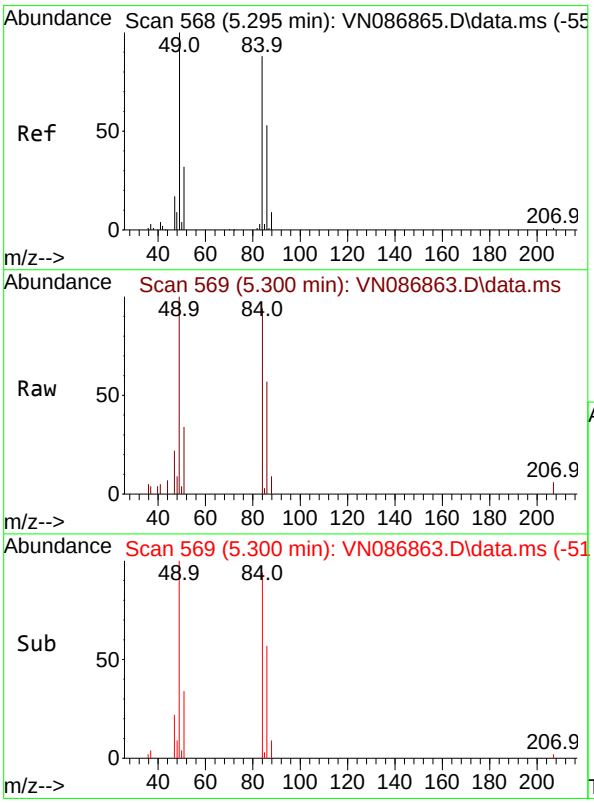
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

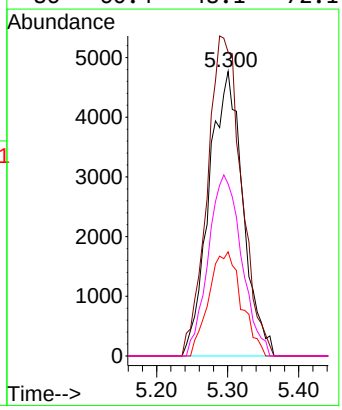
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

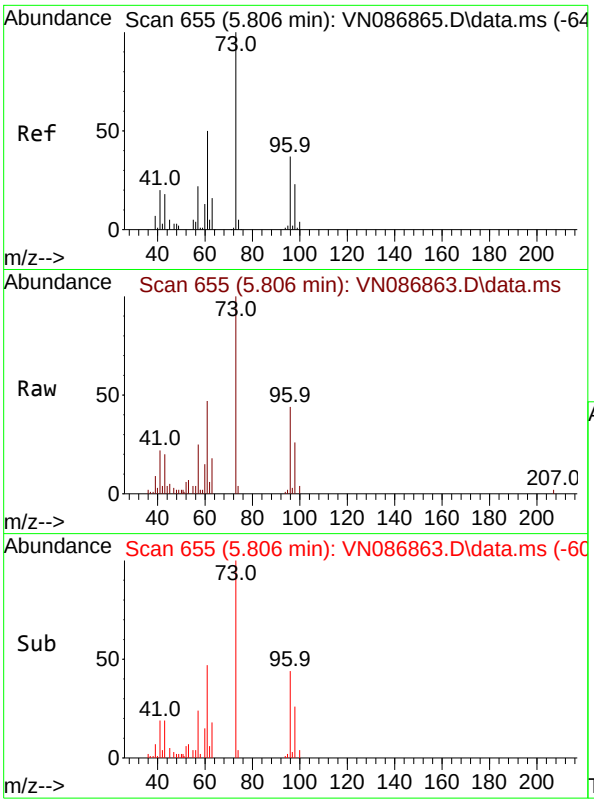


#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 84 Resp: 15809

Ion	Ratio	Lower	Upper
84	100		
49	106.8	90.5	135.7
51	36.6	28.5	42.7
86	60.4	48.1	72.1

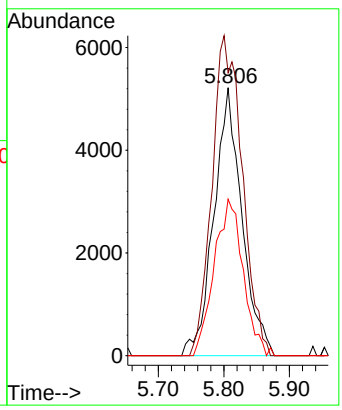




#21
trans-1,2-Dichloroethene
Concen: 5.442 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 1548

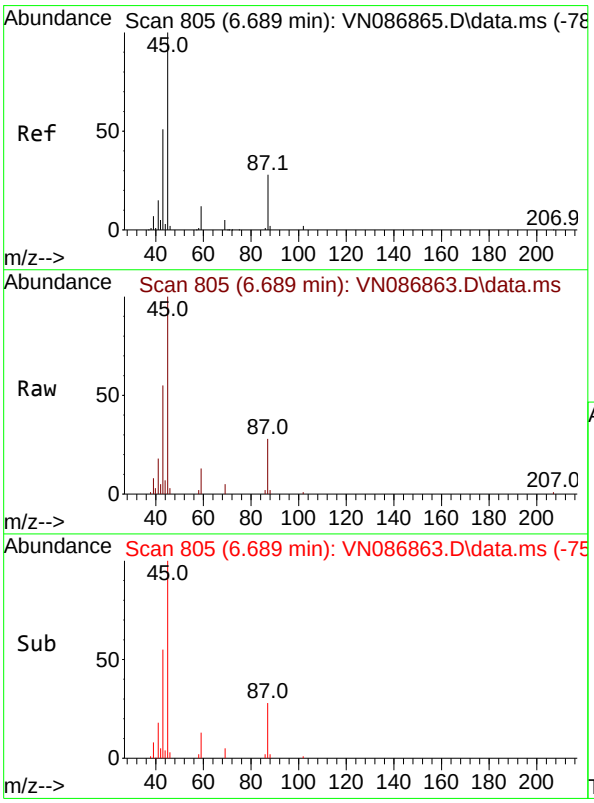
Ion	Ratio	Lower	Upper
96	100		
61	105.6	109.2	163.8
98	58.4	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

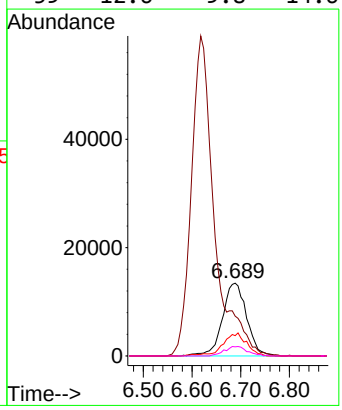
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

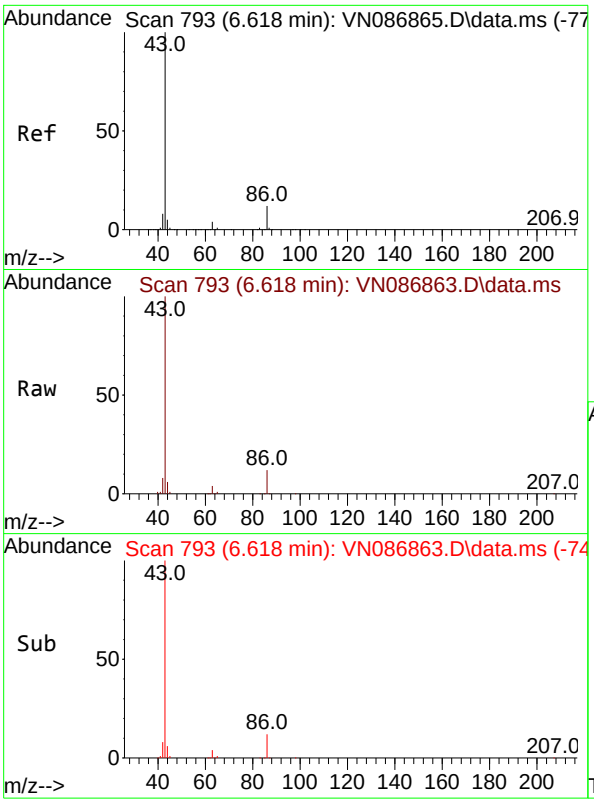


#22
Diisopropyl ether
Concen: 5.191 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 45 Resp: 46396

Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.9	62.9
87	27.9	22.4	33.6
59	12.6	9.8	14.6

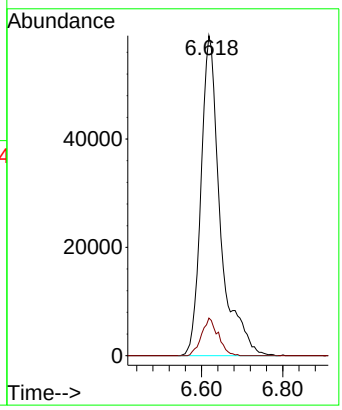




#23
Vinyl Acetate
Concen: 25.735 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 19433

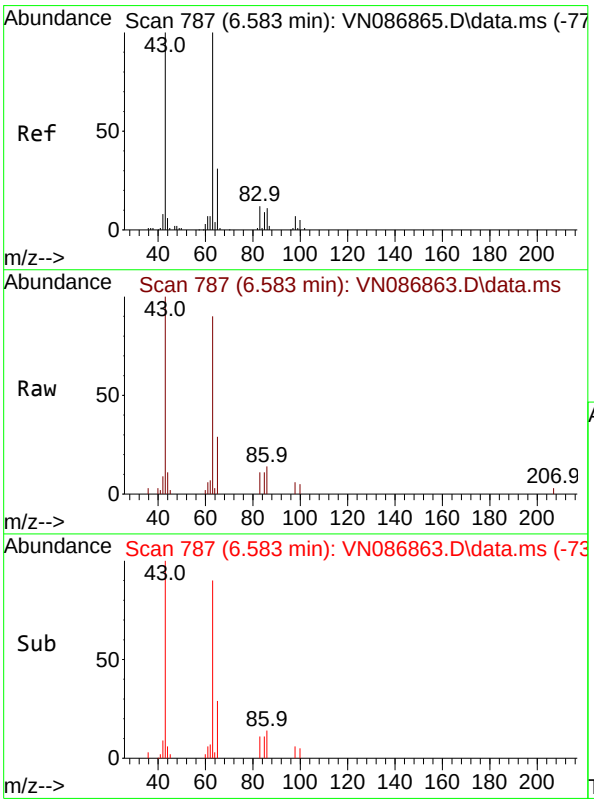
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

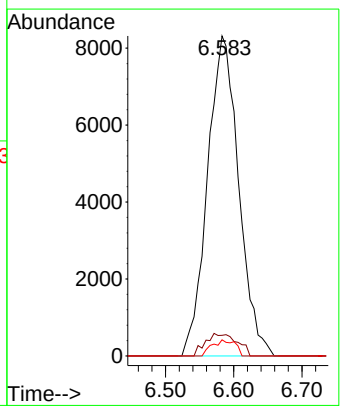
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

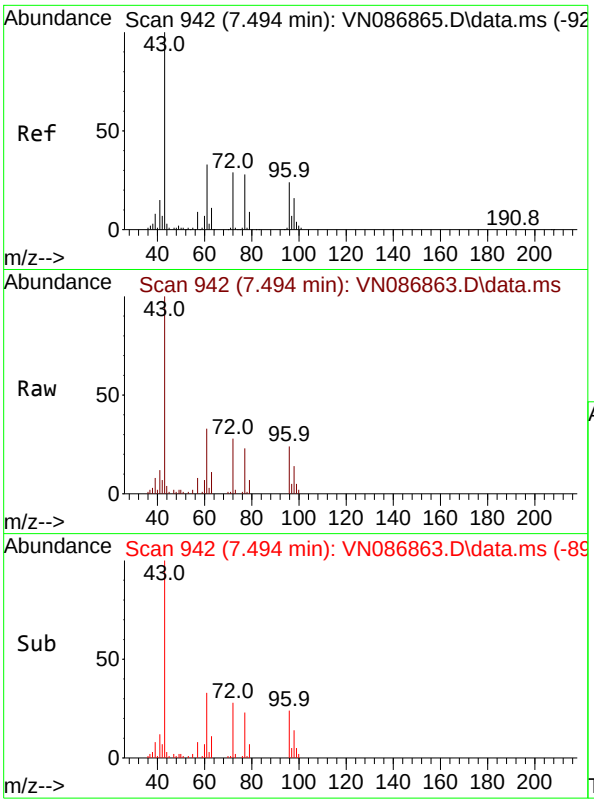


#24
1,1-Dichloroethane
Concen: 5.147 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 26473

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	5.1	2.6	7.8





#25
2-Butanone
Concen: 25.888 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

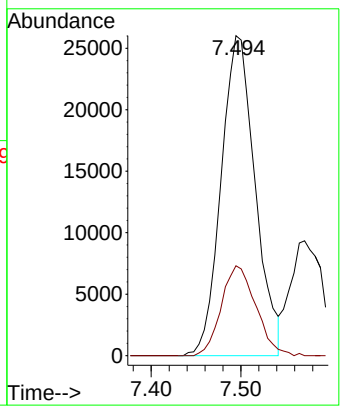
Tgt Ion: 43 Resp: 6862

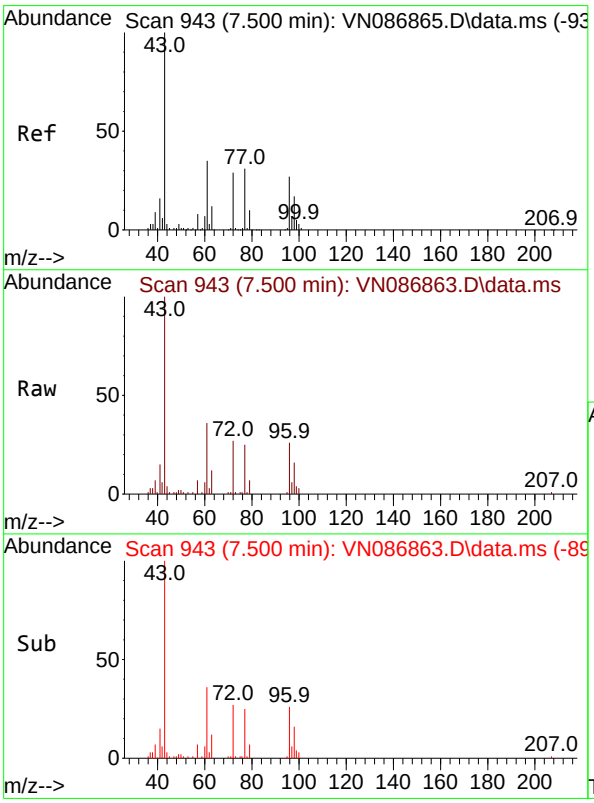
Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

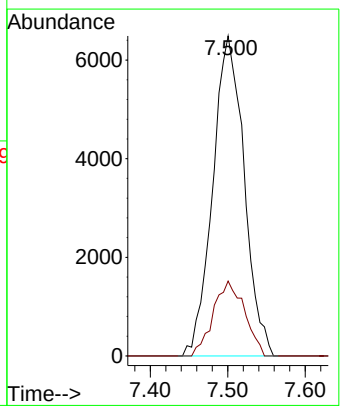


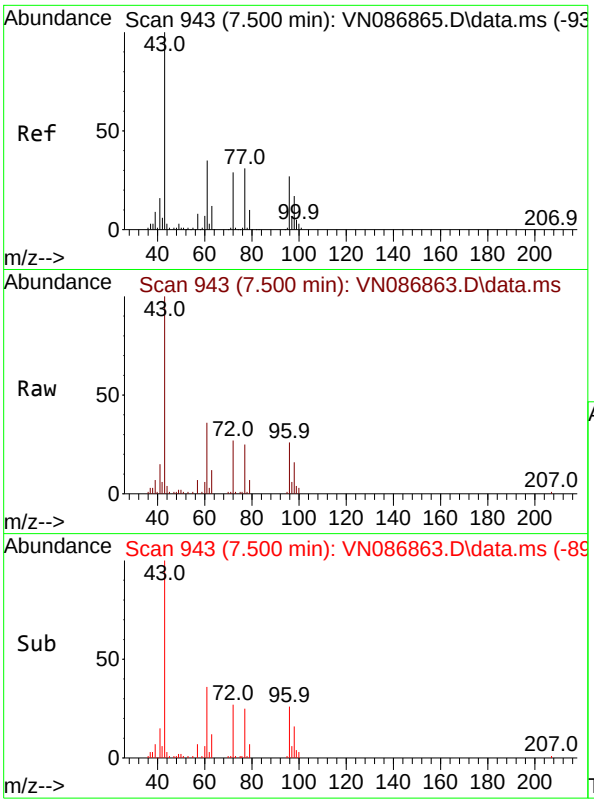


#26
2,2-Dichloropropane
Concen: 4.571 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 77 Resp: 18288

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7

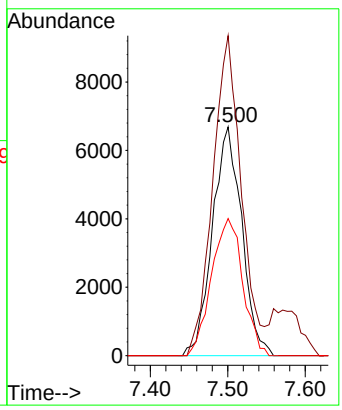




#27
cis-1,2-Dichloroethene
Concen: 5.172 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 1759

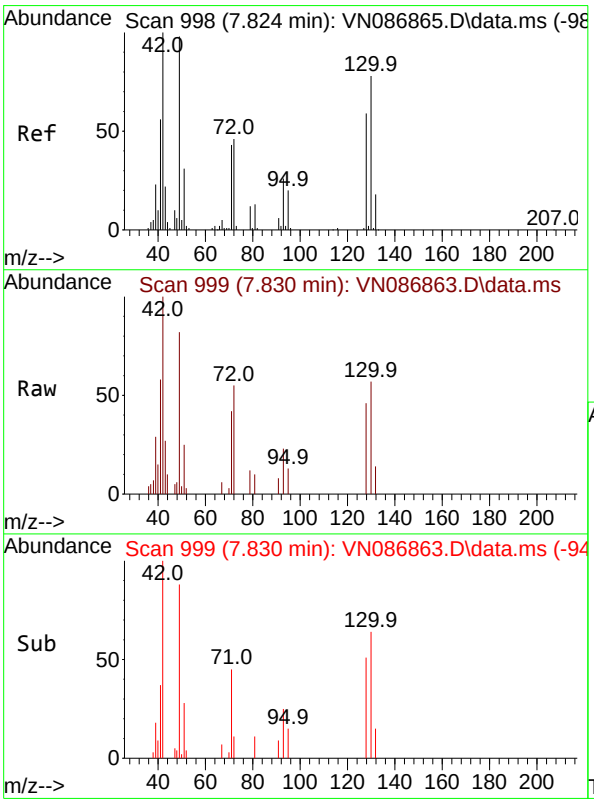
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	278.0
98	64.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

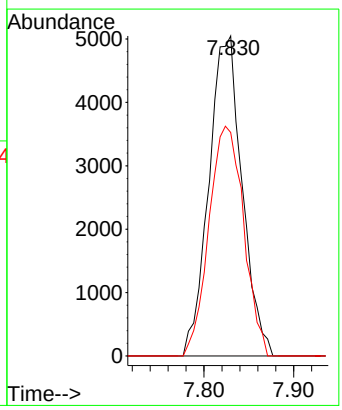
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

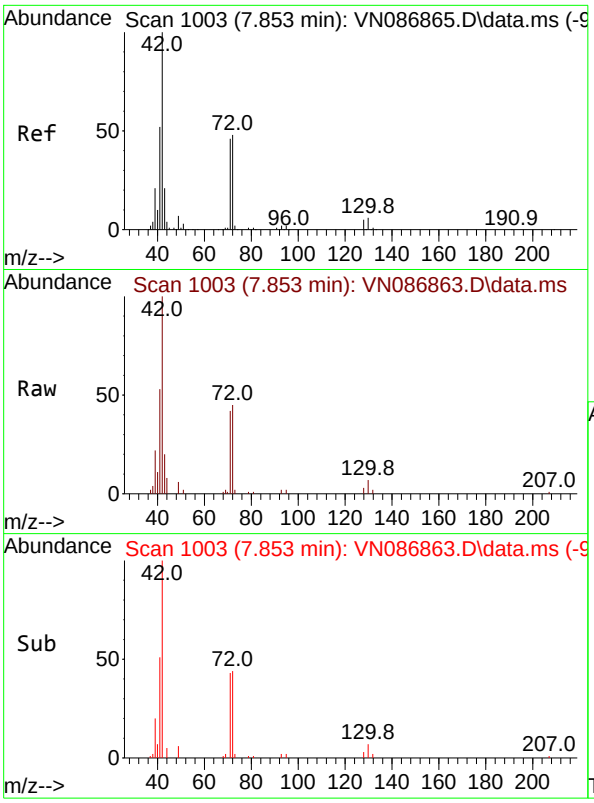


#28
Bromochloromethane
Concen: 5.124 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 49 Resp: 12958

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	75.2	62.2	93.2

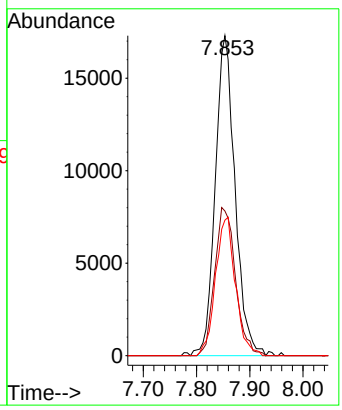




#29
Tetrahydrofuran
Concen: 25.912 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 42 Resp: 4474

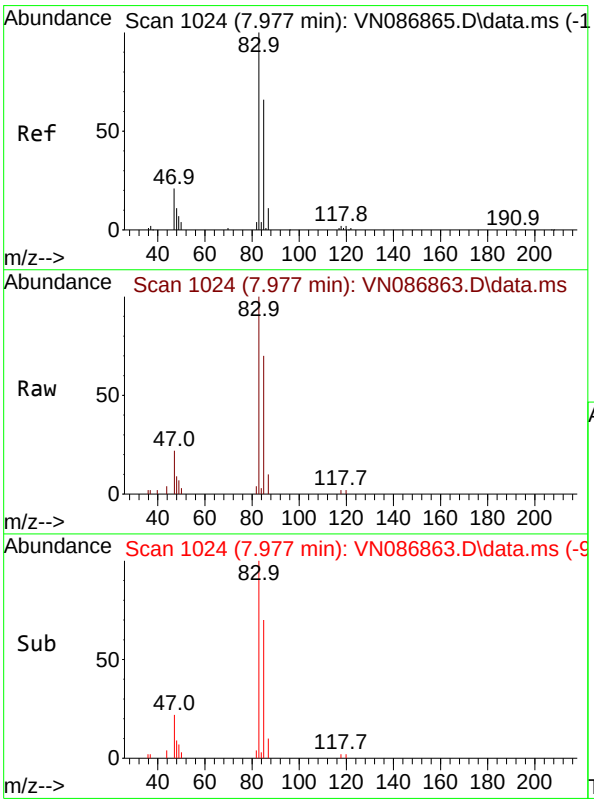
Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.8	56.6
71	43.5	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

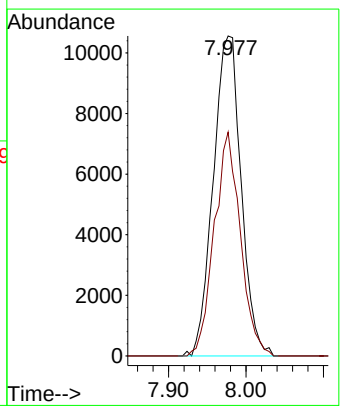
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

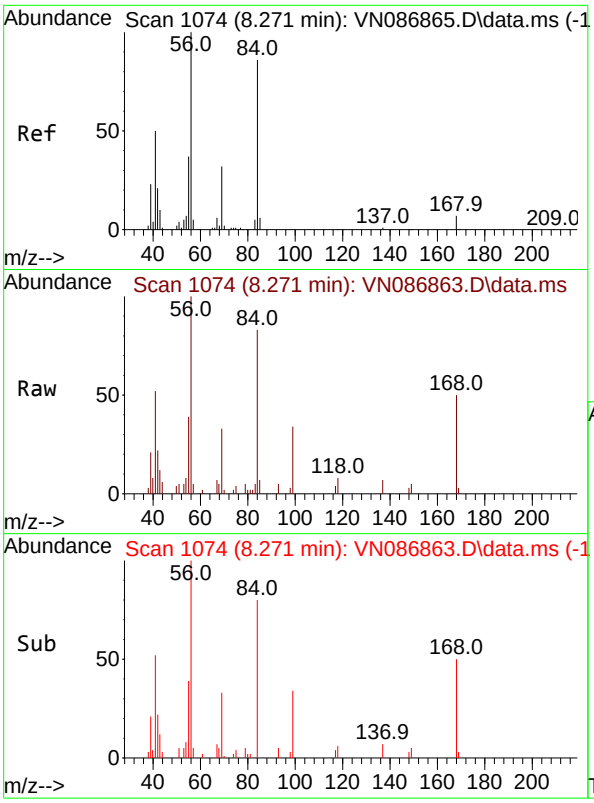


#30
Chloroform
Concen: 5.149 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 26450

Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.9	79.3

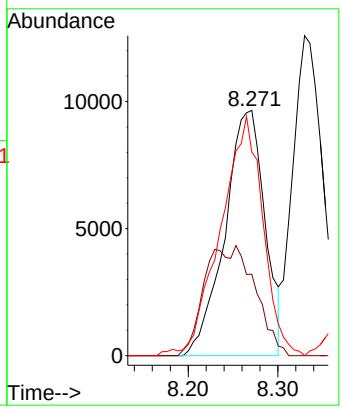




#31
Cyclohexane
Concen: 6.002 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 56 Resp: 2993

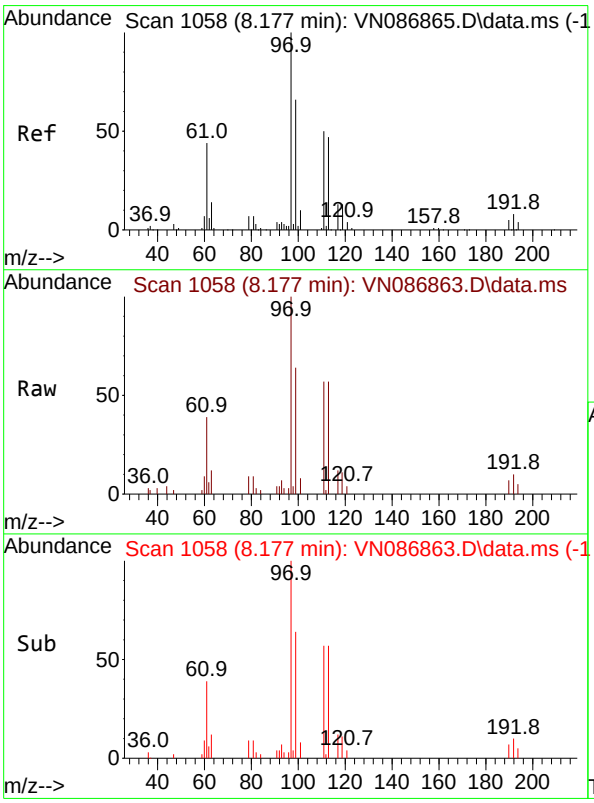
Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	81.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

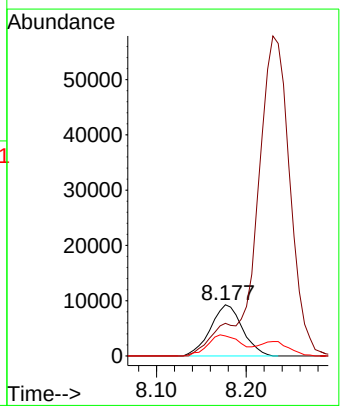
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

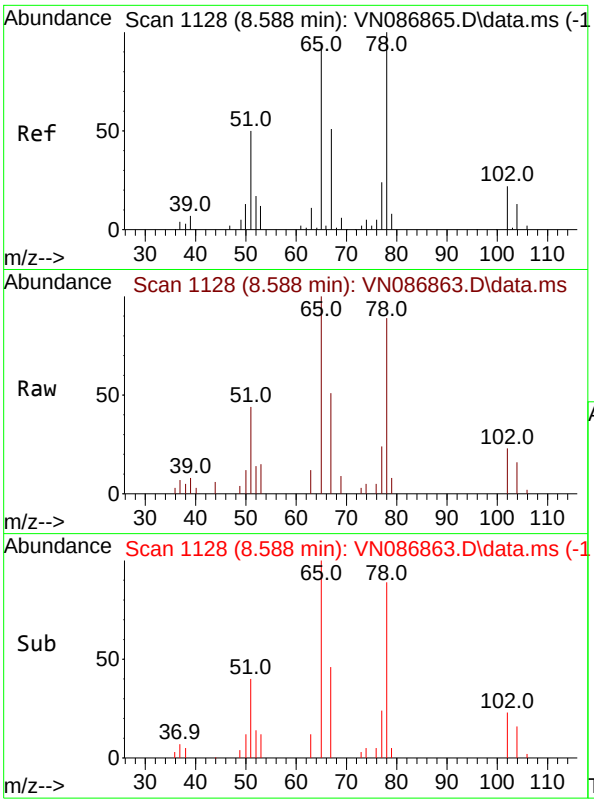


#32
1,1,1-Trichloroethane
Concen: 5.232 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 22857

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.9	35.9	53.9

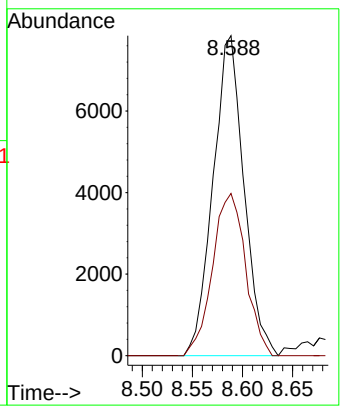




#33
1,2-Dichloroethane-d4
Concen: 5.468 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 65 Resp: 1681

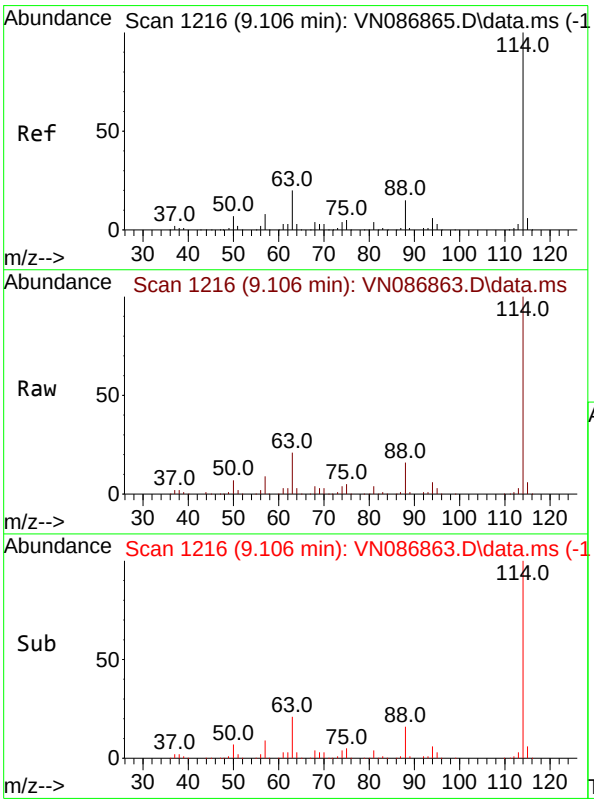
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

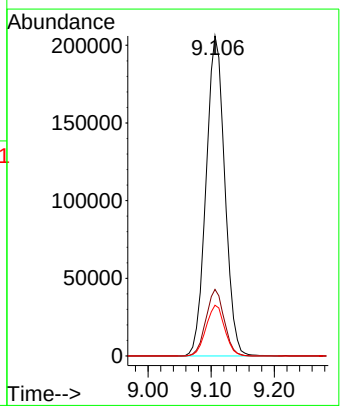
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

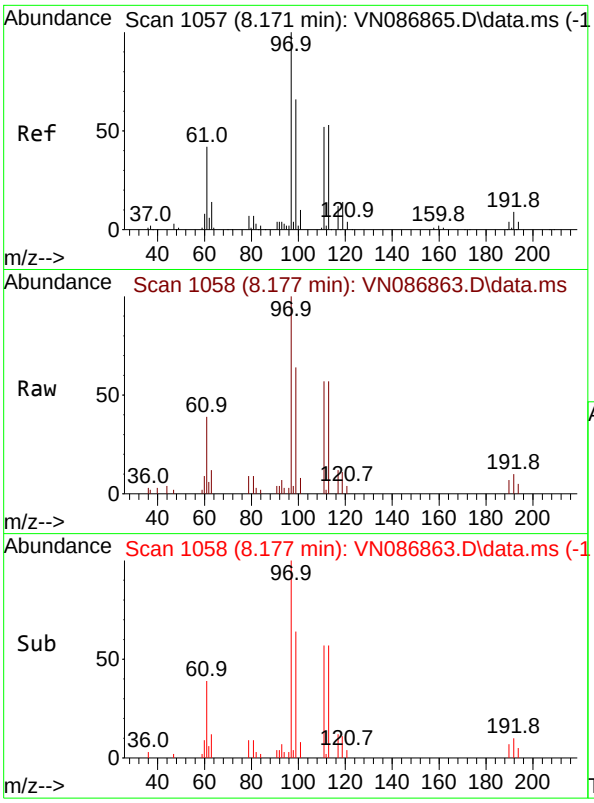


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:114 Resp: 423980

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	15.9	0.0	30.2

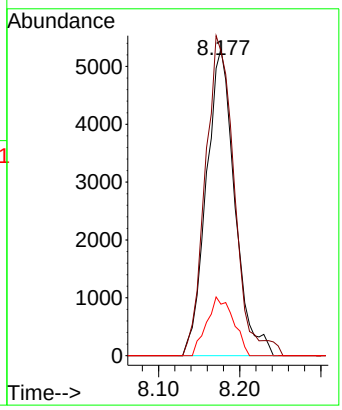




#35
Dibromofluoromethane
Concen: 5.121 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:113 Resp: 1286

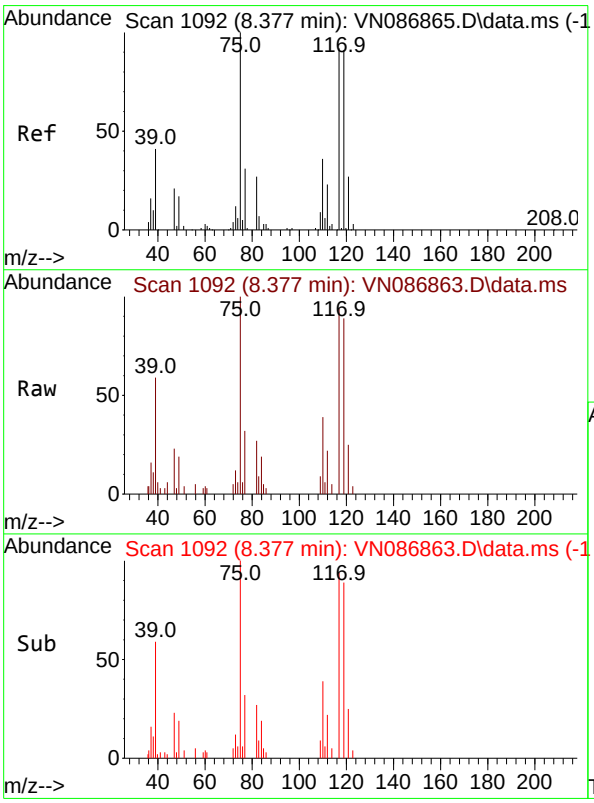
Ion	Ratio	Lower	Upper
113	100		
111	106.5	84.2	126.2
192	18.0	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

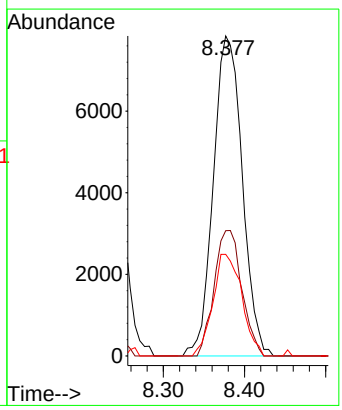
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

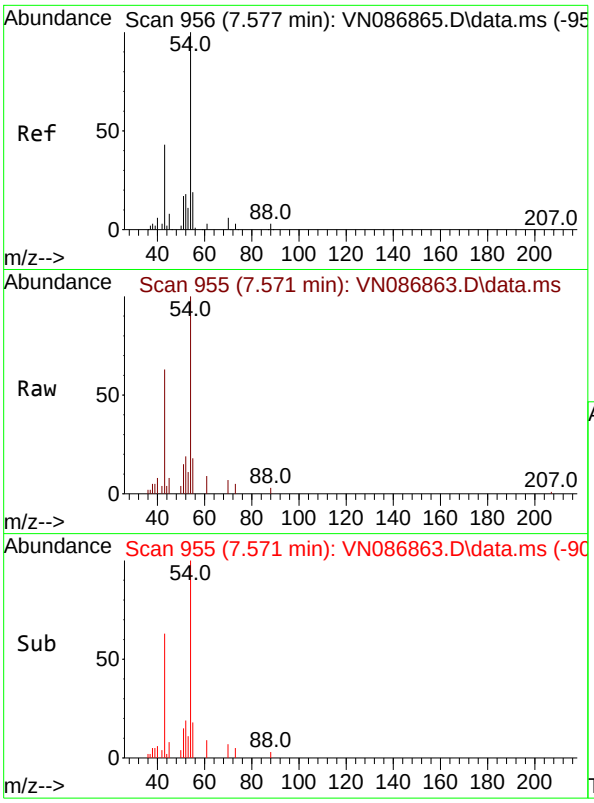


#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 19410

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.6	52.9
77	31.7	25.3	37.9

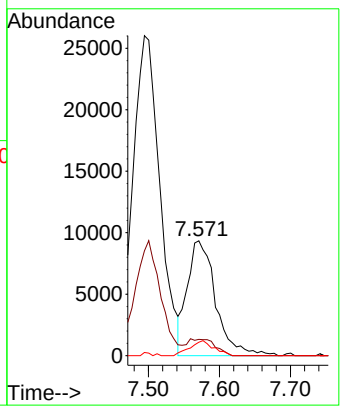




#37
Ethyl Acetate
Concen: 5.470 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 2607

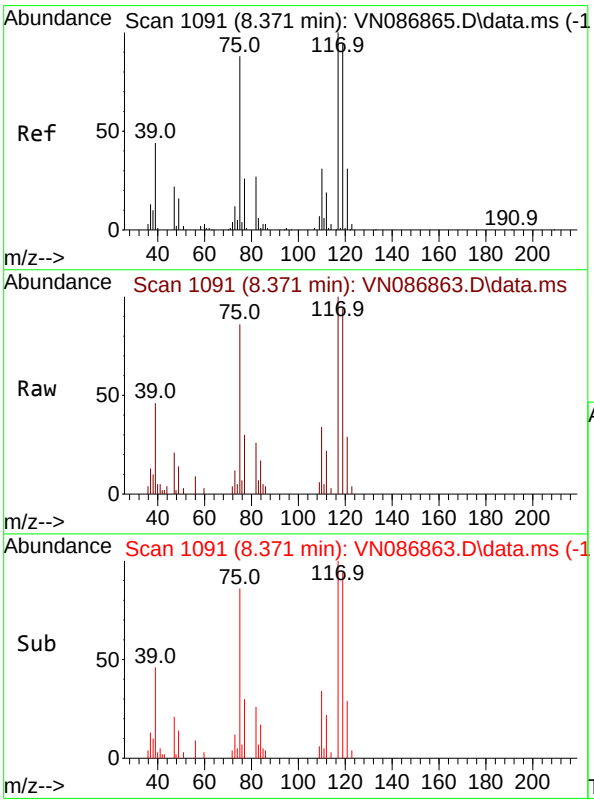
Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.9	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

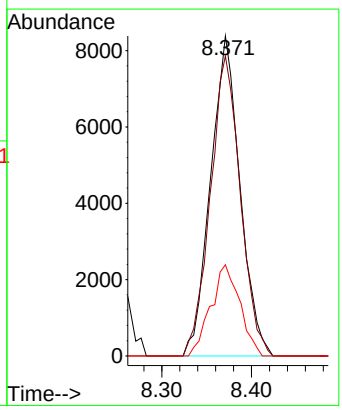
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

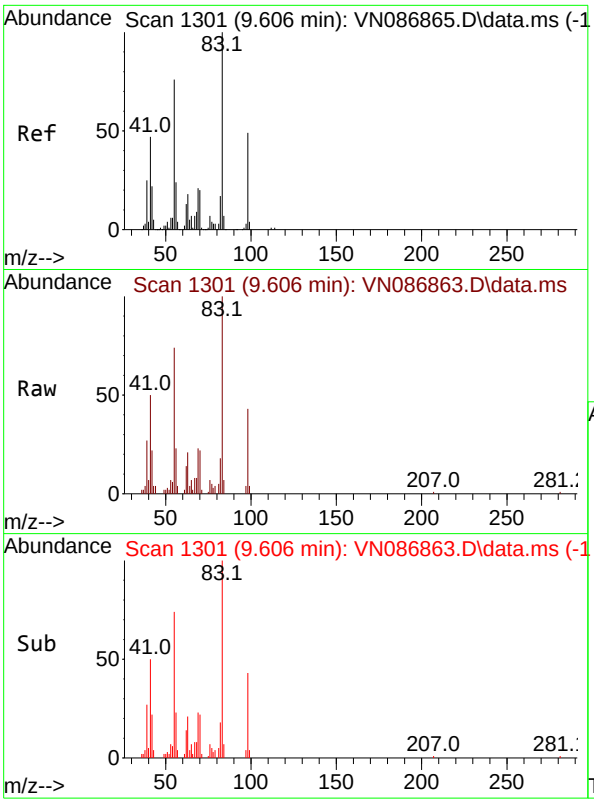


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 19056

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	28.5	24.9	37.3

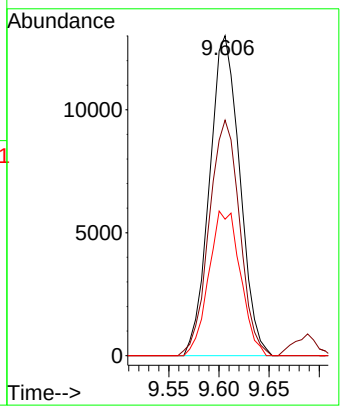




#39
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 2735

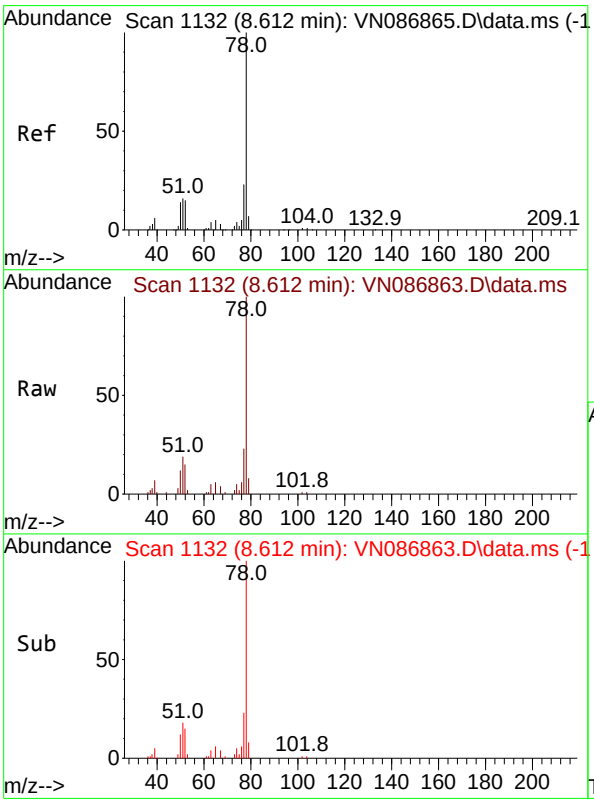
Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	42.6	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

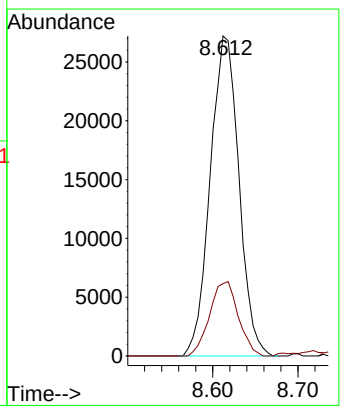
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

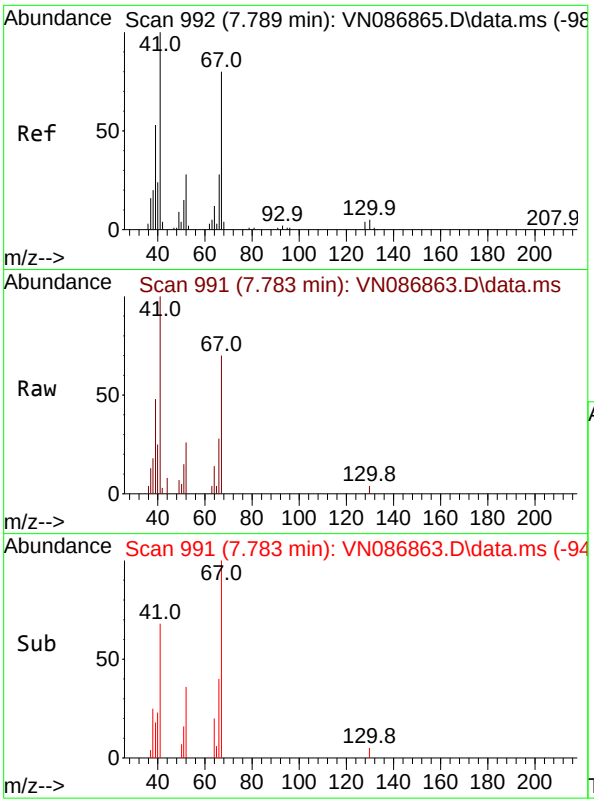


#40
Benzene
Concen: 5.199 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 78 Resp: 63646

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.7	28.1

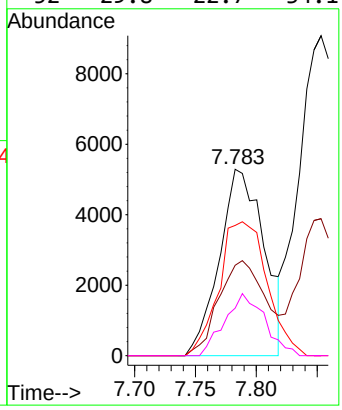




#41
Methacrylonitrile
Concen: 5.050 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 1351

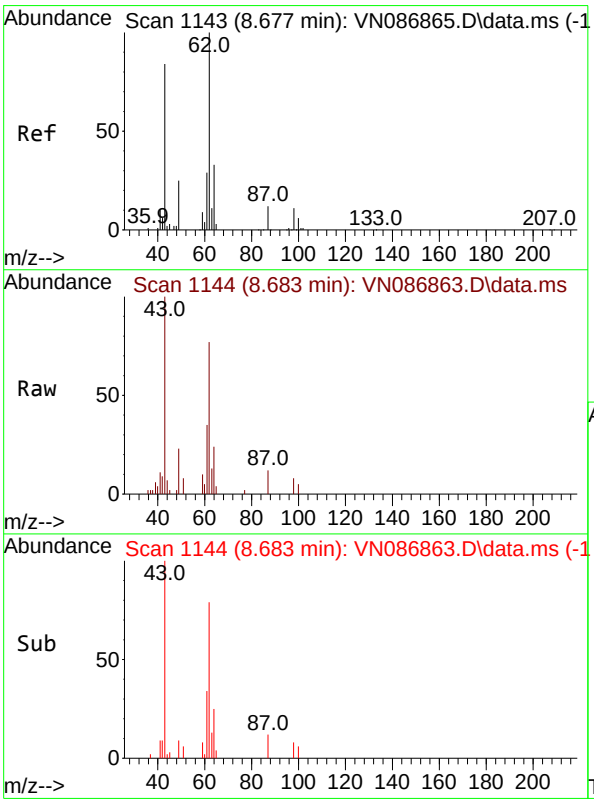
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.2	61.8
67	77.0	61.4	92.2
52	29.8	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

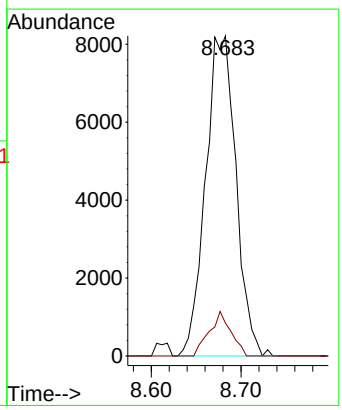
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

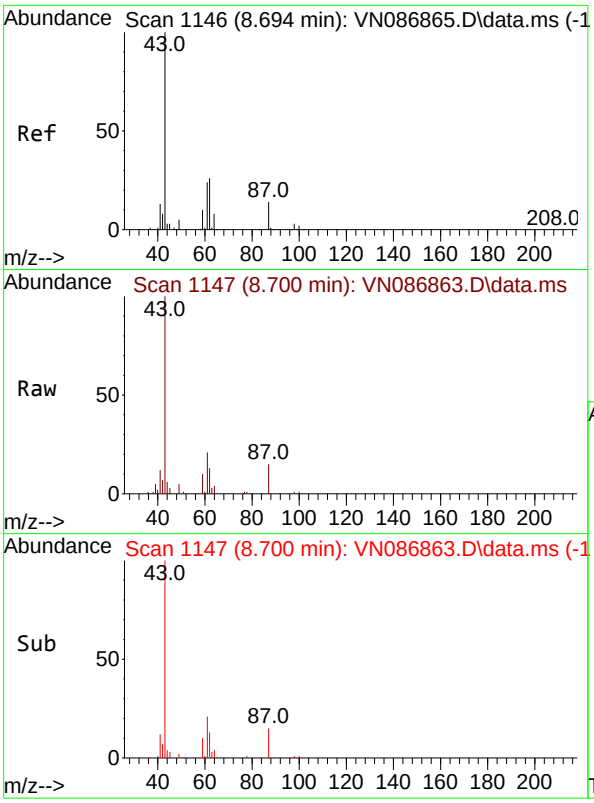


#42
1,2-Dichloroethane
Concen: 5.205 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 19329

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.2





#43
Isopropyl Acetate
Concen: 5.264 ug/l
RT: 8.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

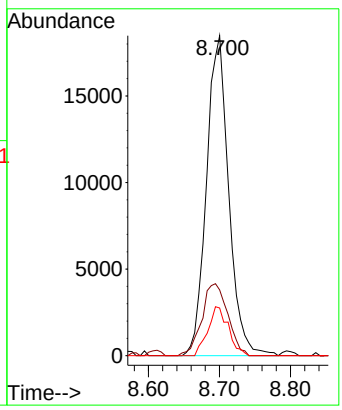
Tgt Ion: 43 Resp: 4026

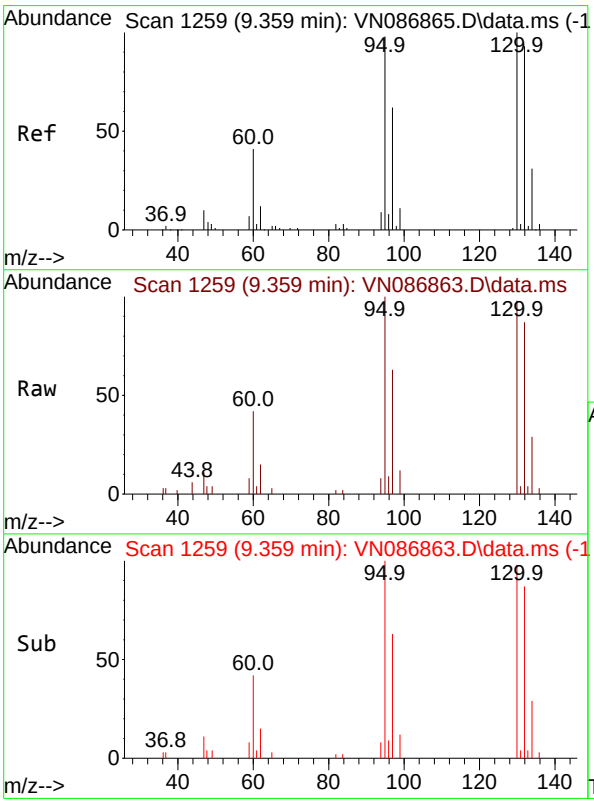
Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	14.1	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

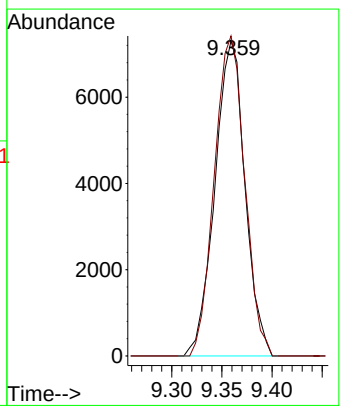


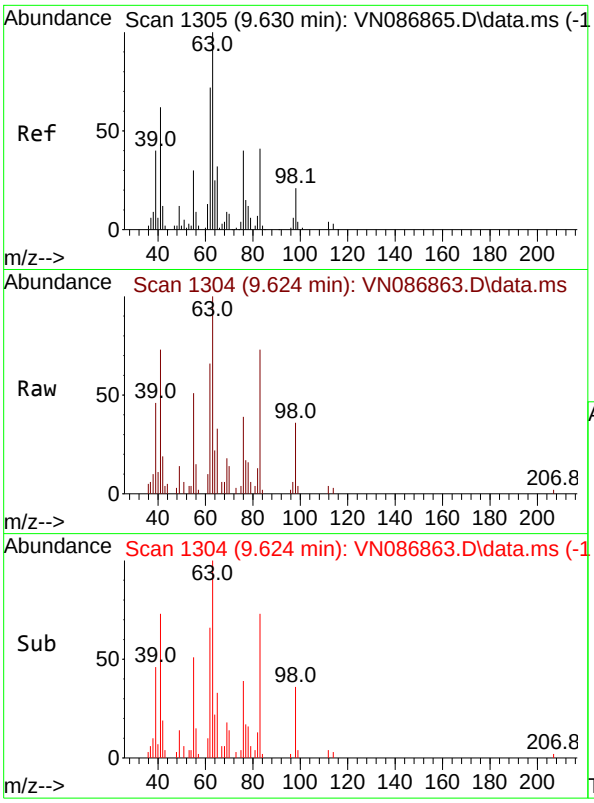


#44
Trichloroethene
Concen: 5.251 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:130 Resp: 15245

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2

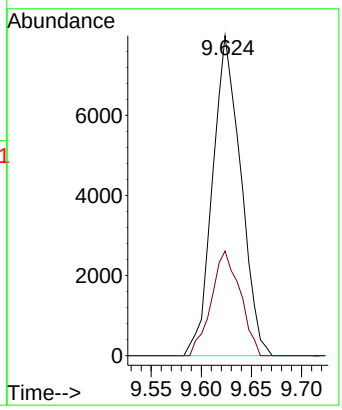




#45
1,2-Dichloropropane
Concen: 5.248 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 1563

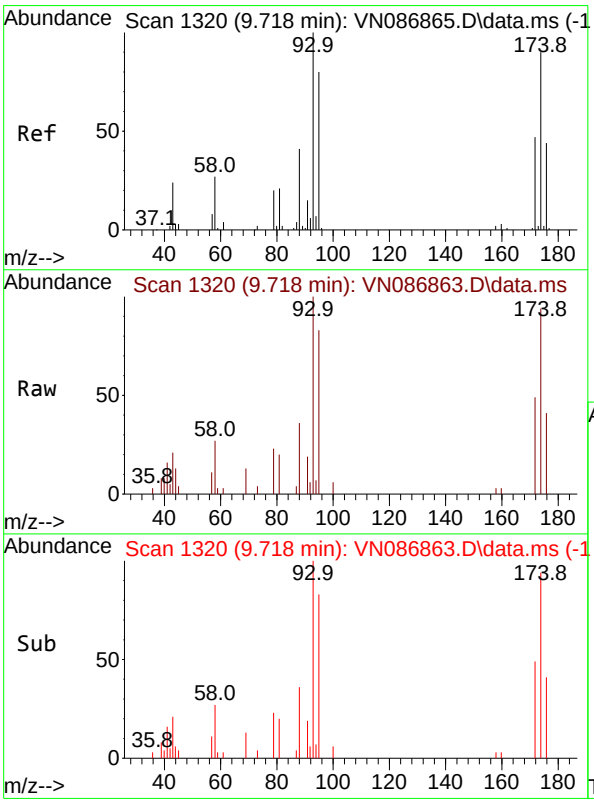
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

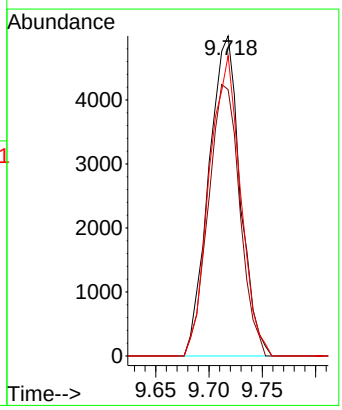
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

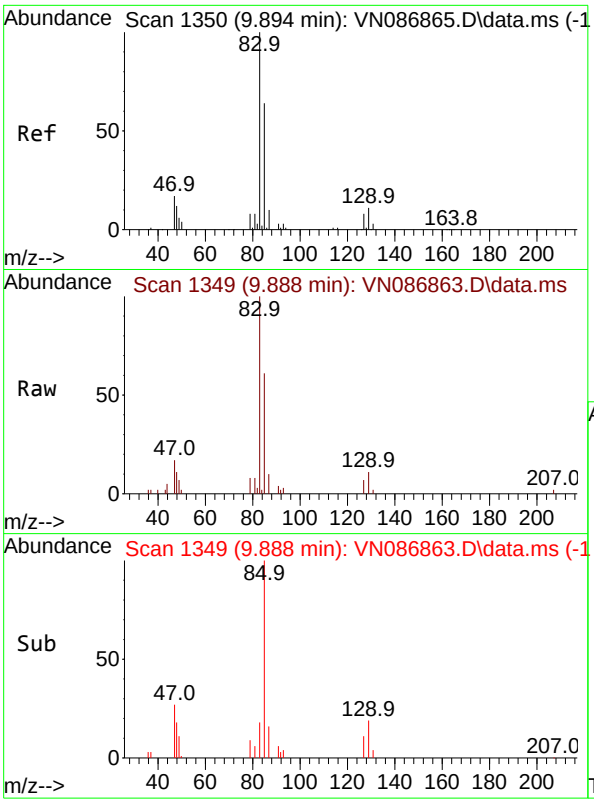


#46
Dibromomethane
Concen: 5.176 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 93 Resp: 10241

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.1	100.7
174	93.4	74.2	111.4

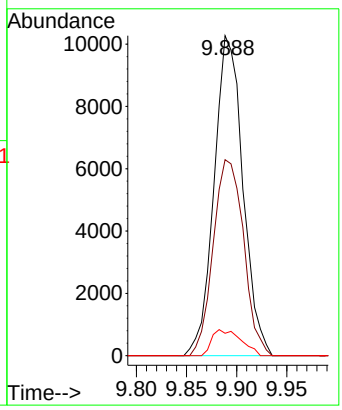




#47
Bromodichloromethane
Concen: 5.039 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 2051

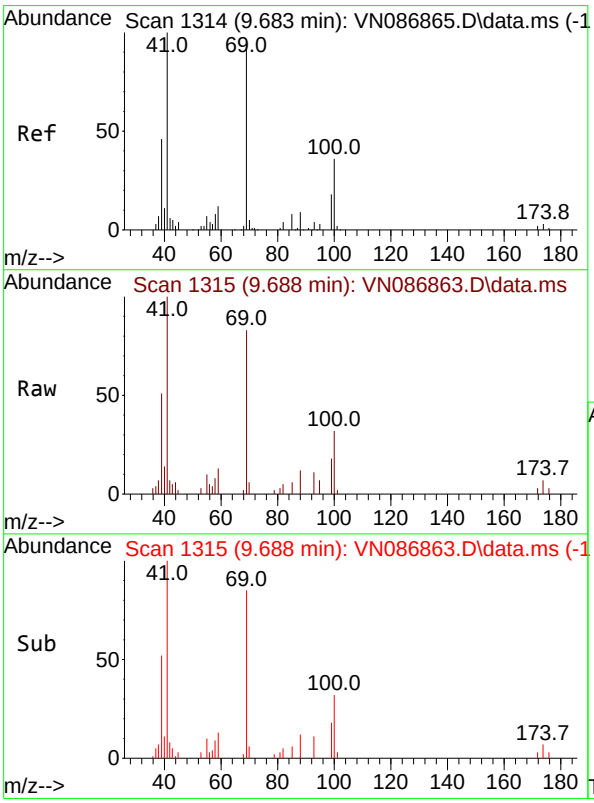
Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	7.0	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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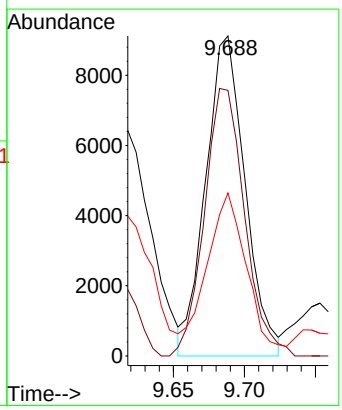
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

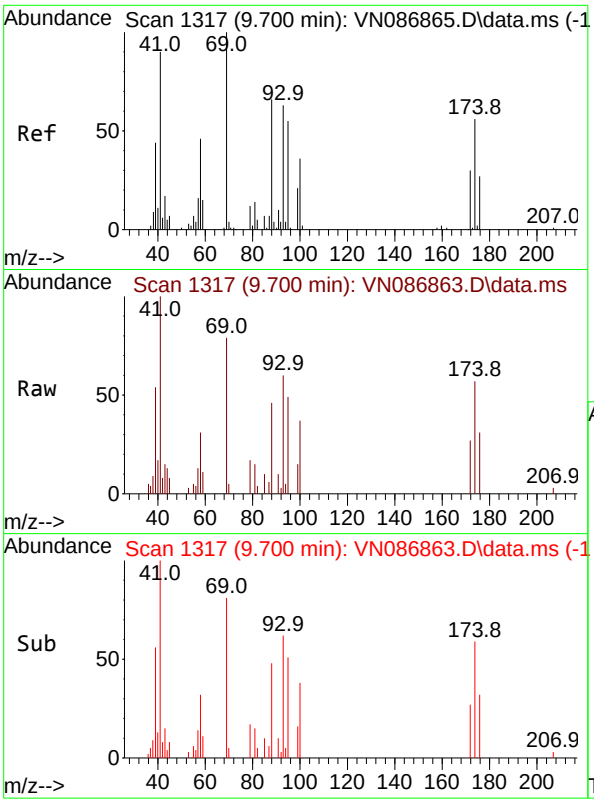


#48
Methyl methacrylate
Concen: 4.996 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 17591

Ion	Ratio	Lower	Upper
41	100		
69	85.2	74.6	112.0
39	52.3	40.2	60.4

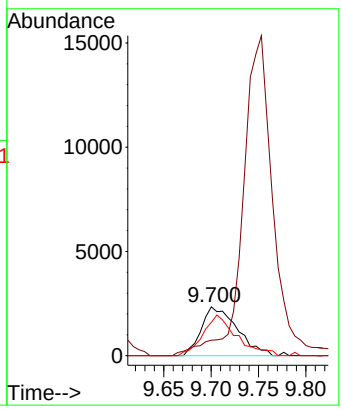




#49
1,4-Dioxane
Concen: 95.874 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 88 Resp: 614

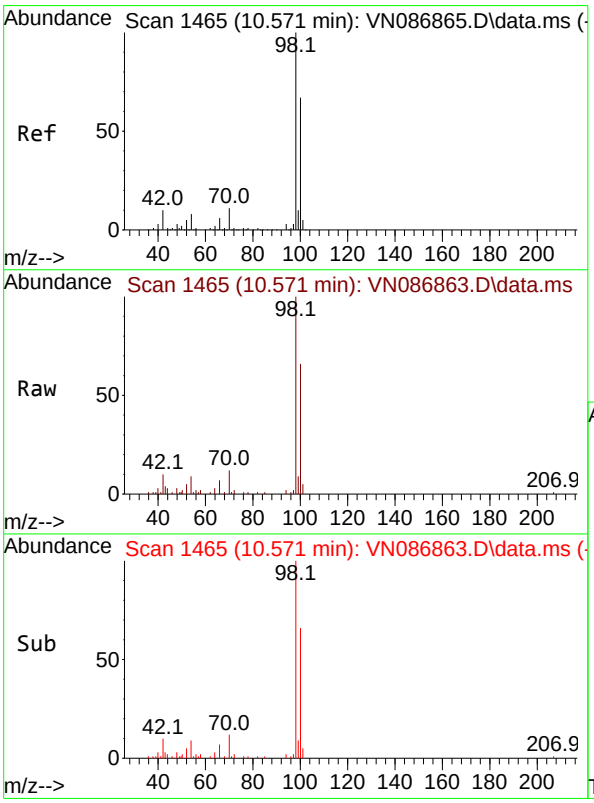
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.9	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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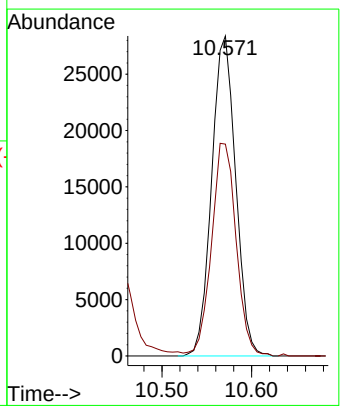
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

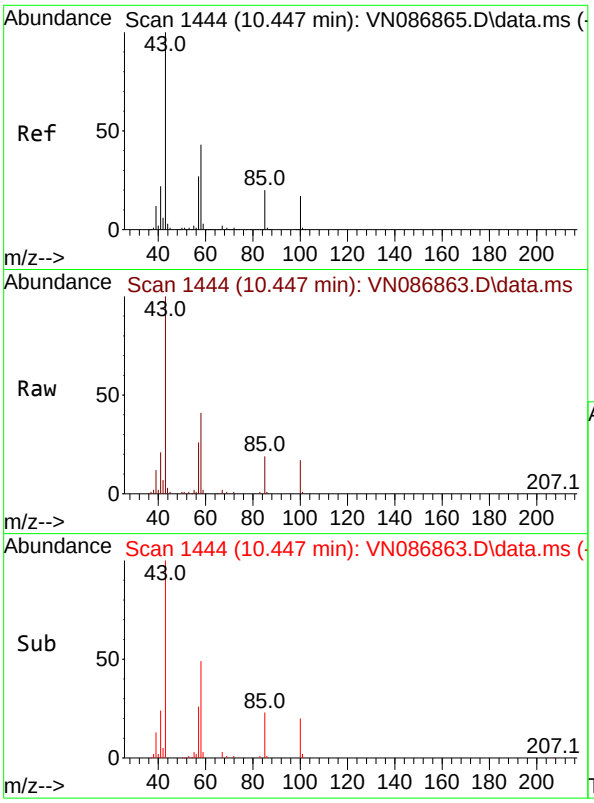


#50
Toluene-d8
Concen: 5.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 98 Resp: 52794

Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.4	80.0

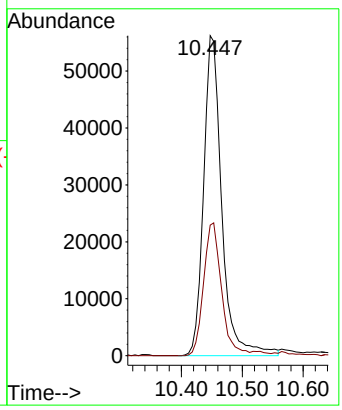




#51
4-Methyl-2-Pentanone
Concen: 25.283 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 11643

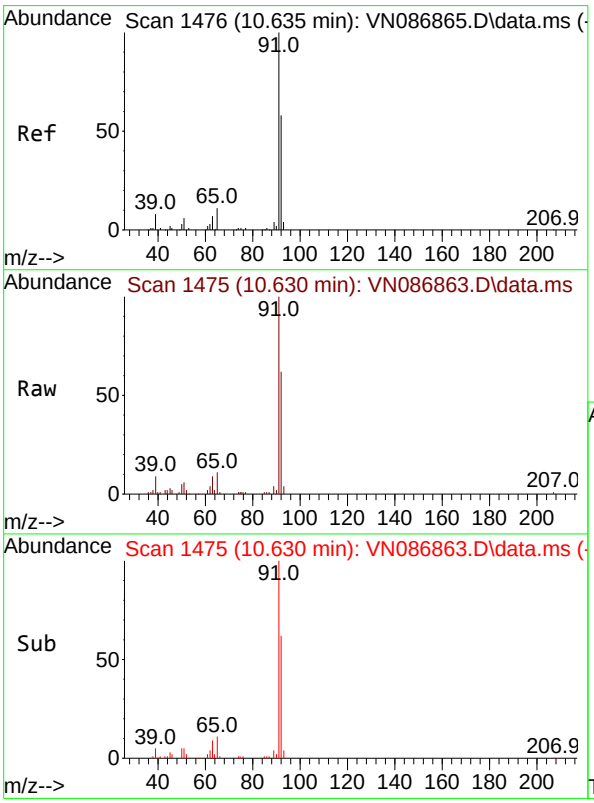
Ion	Ratio	Lower	Upper
43	100		
58	40.9	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

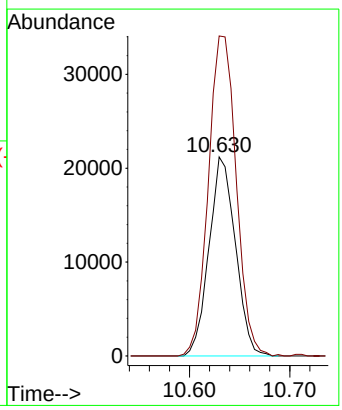
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

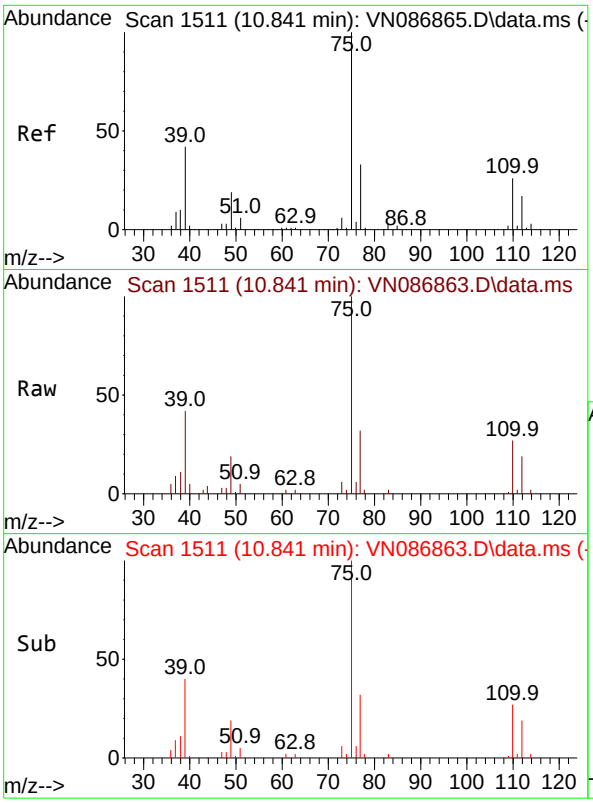


#52
Toluene
Concen: 5.178 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 92 Resp: 38744

Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.5	204.7

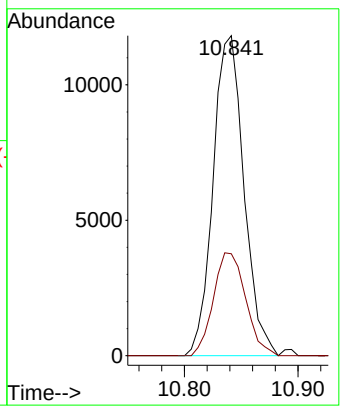




#53
t-1,3-Dichloropropene
Concen: 4.896 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 2228

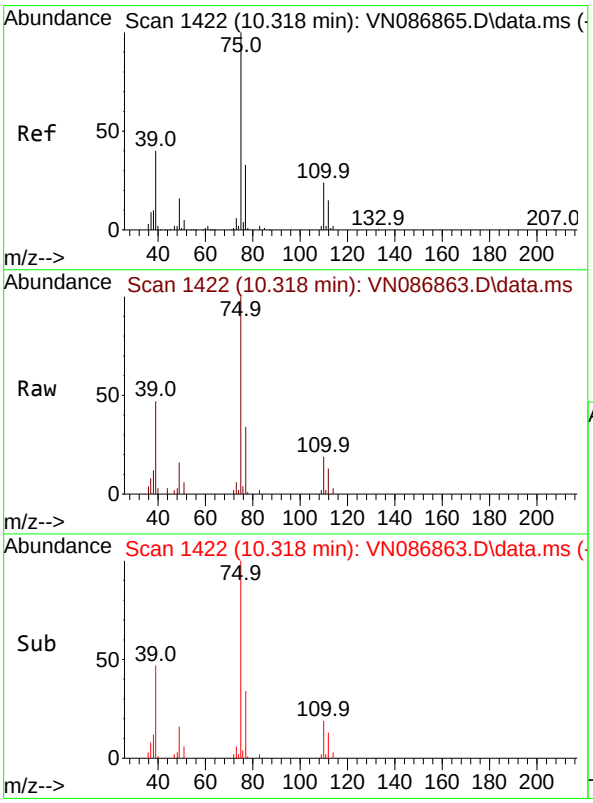
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

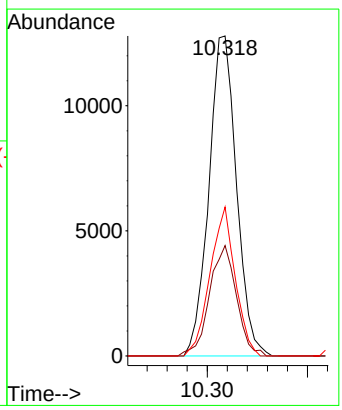
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

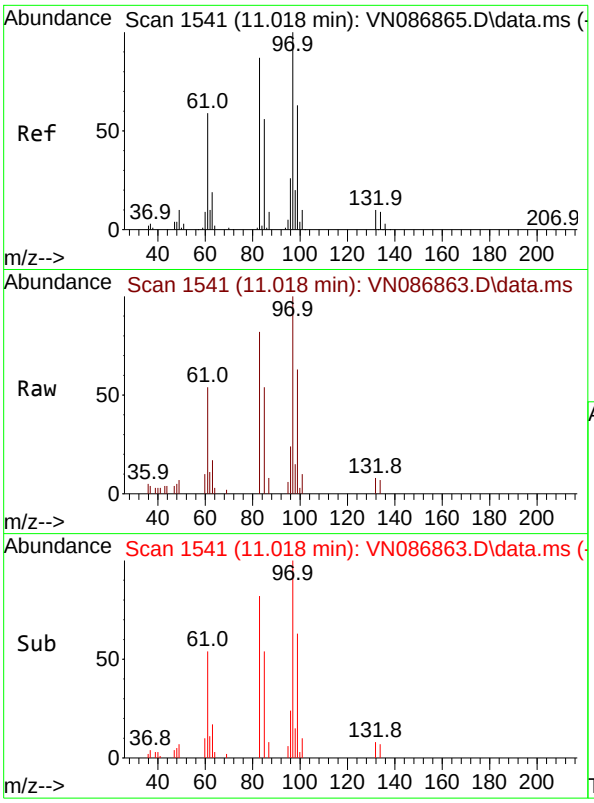


#54
cis-1,3-Dichloropropene
Concen: 5.026 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 24477

Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.2	39.4
39	46.5	32.3	48.5

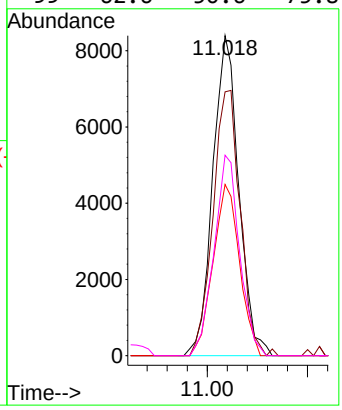




#55
1,1,2-Trichloroethane
Concen: 5.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 1506

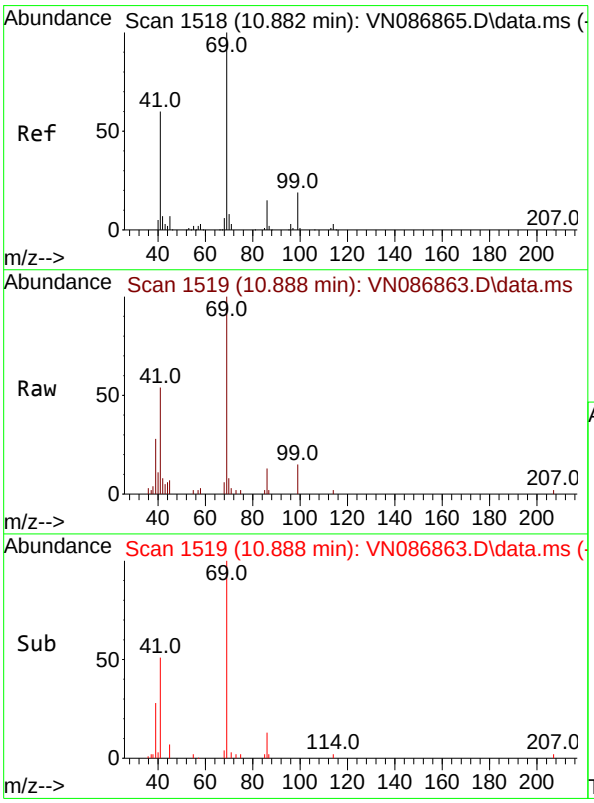
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.7	104.5
85	53.5	45.1	67.7
99	62.6	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

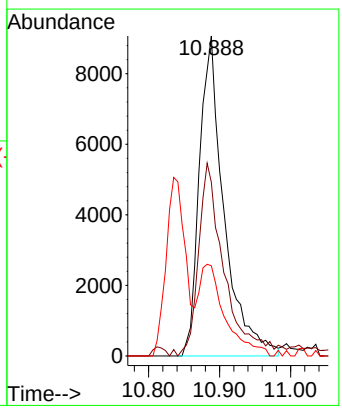
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

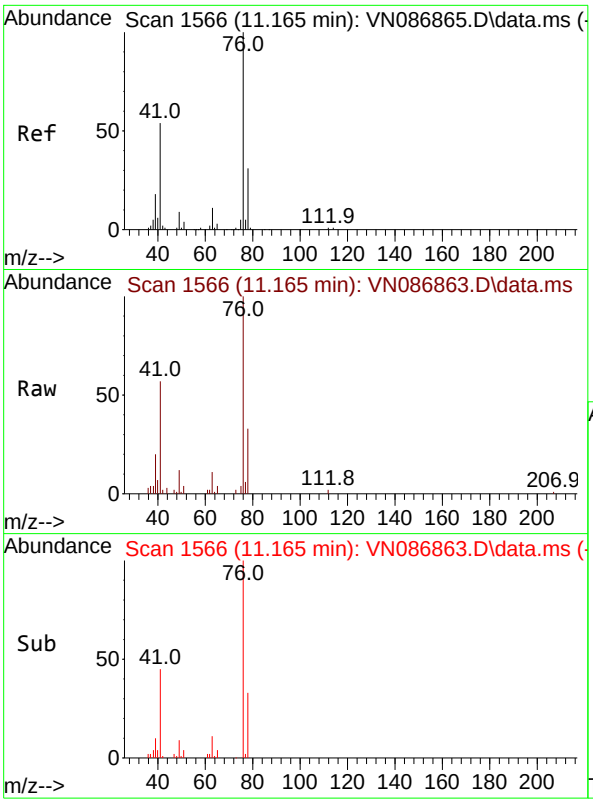


#56
Ethyl methacrylate
Concen: 4.774 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 69 Resp: 21893

Ion	Ratio	Lower	Upper
69	100		
41	63.5	47.2	70.8
39	29.9	23.0	34.6





#57
1,3-Dichloropropane
Concen: 5.096 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

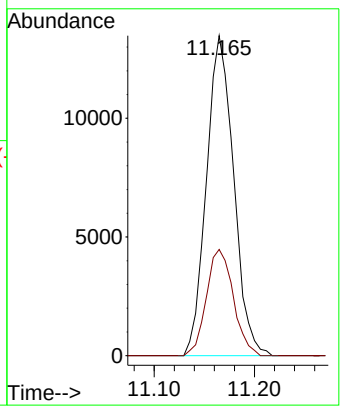
Tgt Ion: 76 Resp: 2545

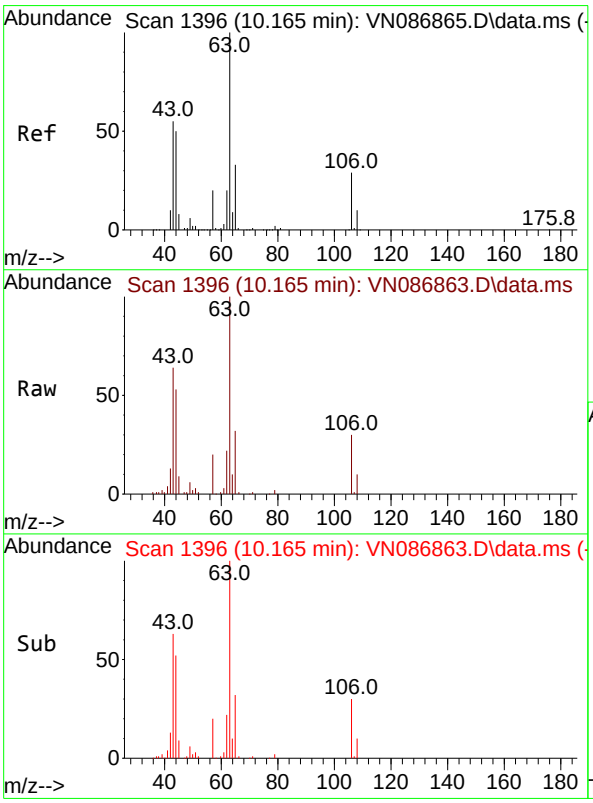
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

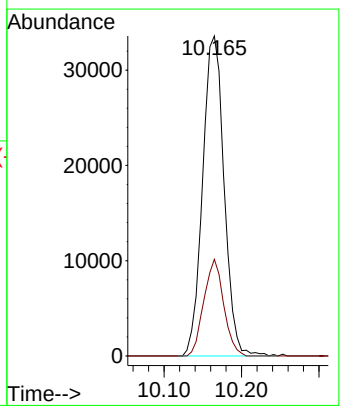


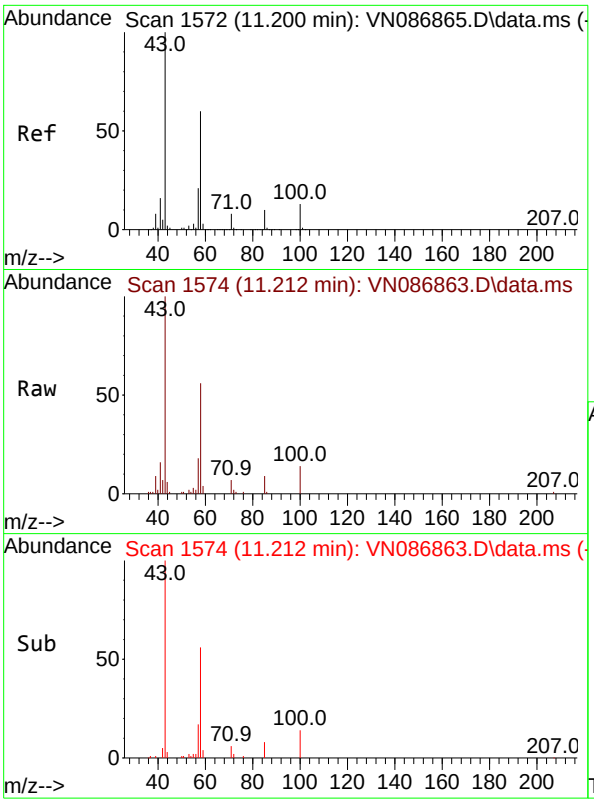


#58
2-Chloroethyl Vinyl ether
Concen: 23.664 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 64722

Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.6

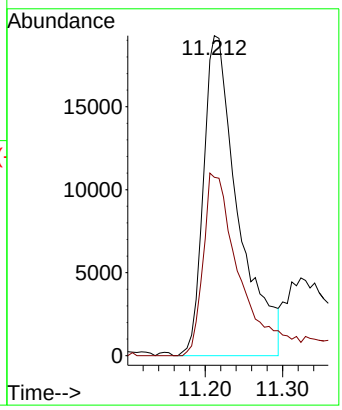




#59
2-Hexanone
Concen: 20.188 ug/l
RT: 11.212 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 5988

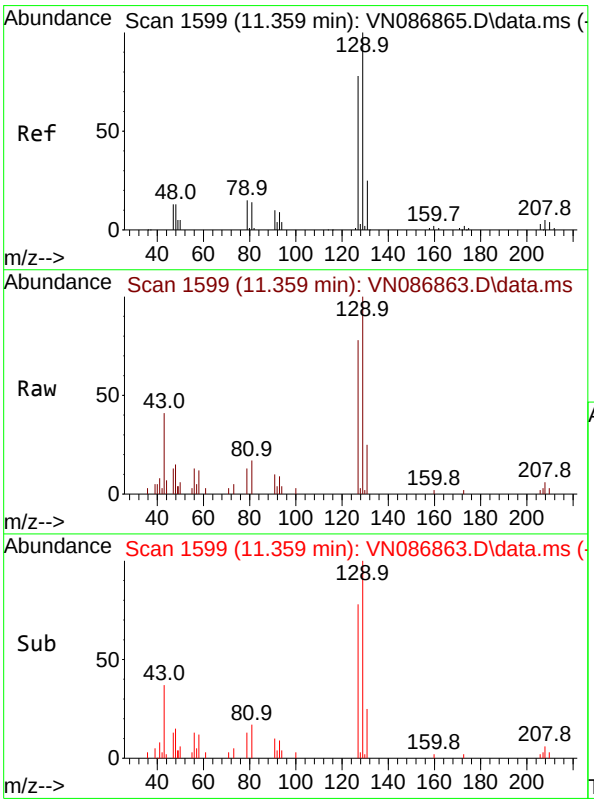
Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.4	91.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

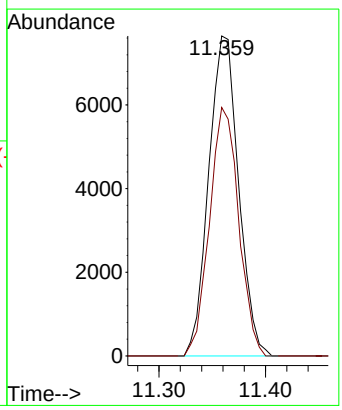
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

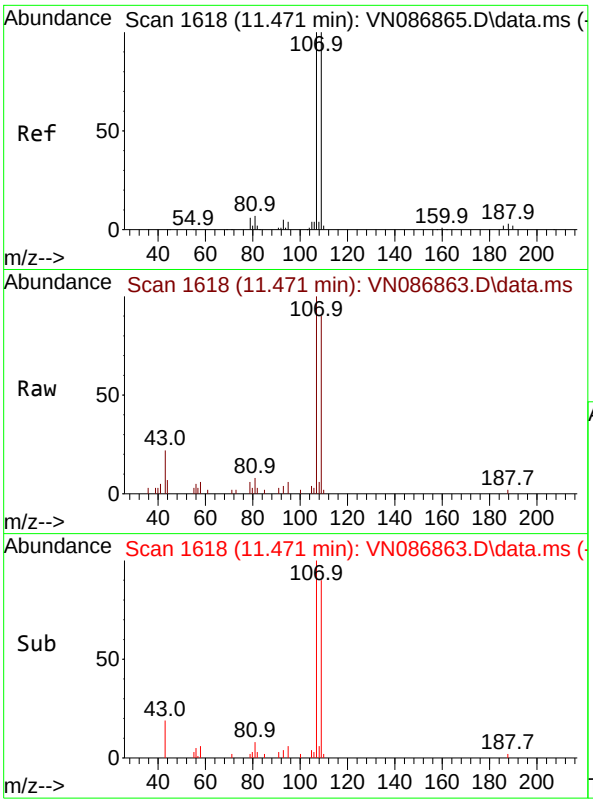


#60
Dibromochloromethane
Concen: 4.962 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:129 Resp: 14884

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	115.8

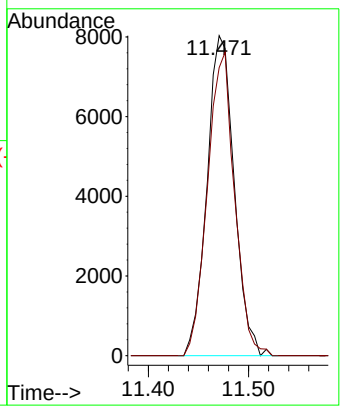




#61
1,2-Dibromoethane
Concen: 5.141 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:107 Resp: 1517

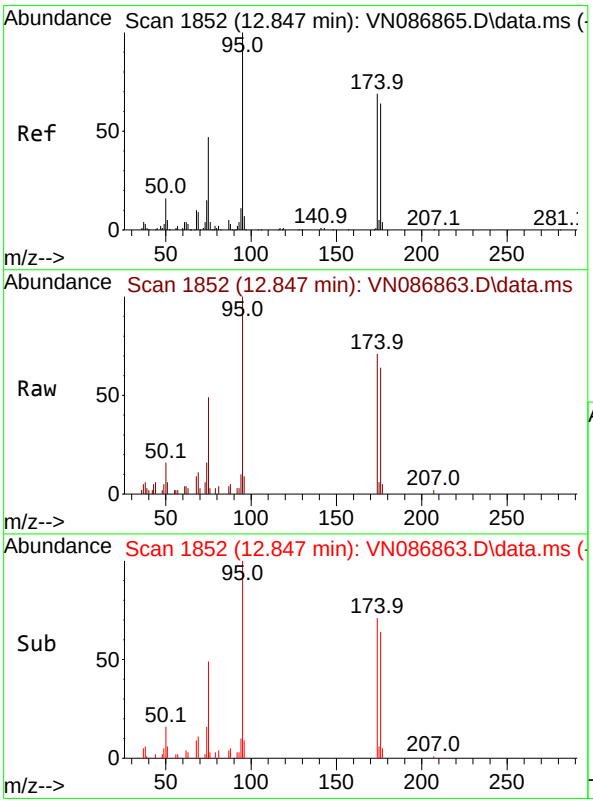
Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

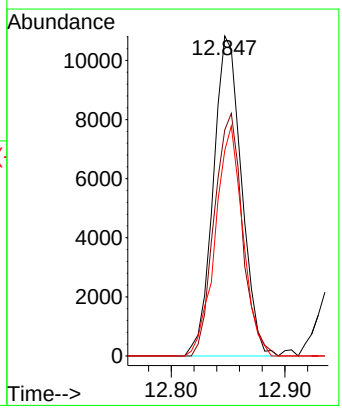
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

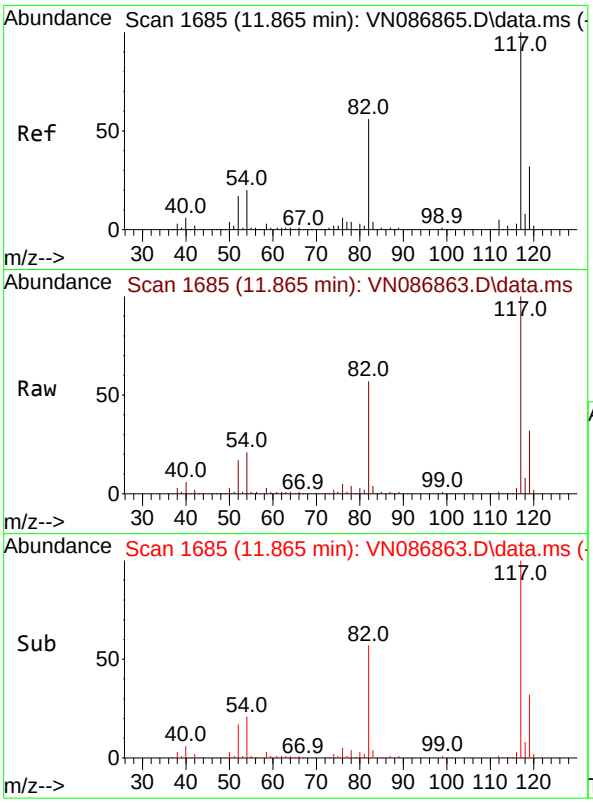


#62
4-Bromofluorobenzene
Concen: 5.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 95 Resp: 18697

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	141.8
176	70.2	0.0	132.6

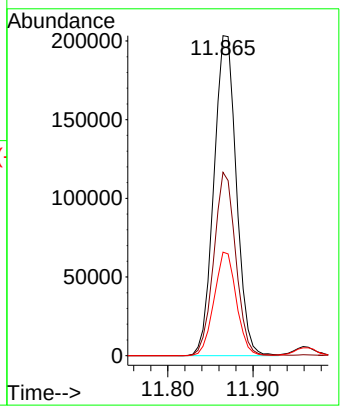




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 37185

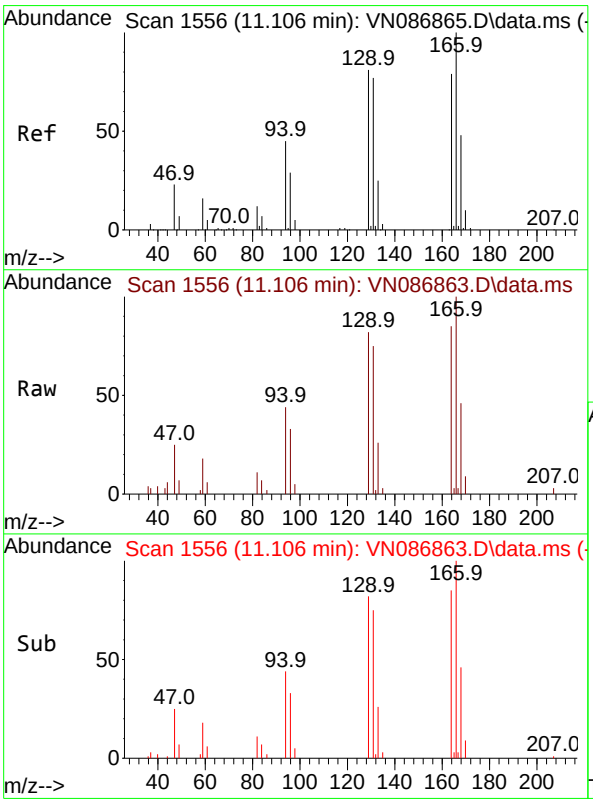
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	67.0
119	32.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

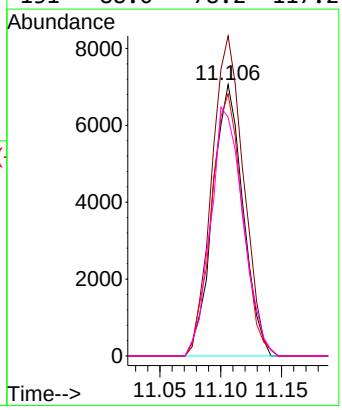
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

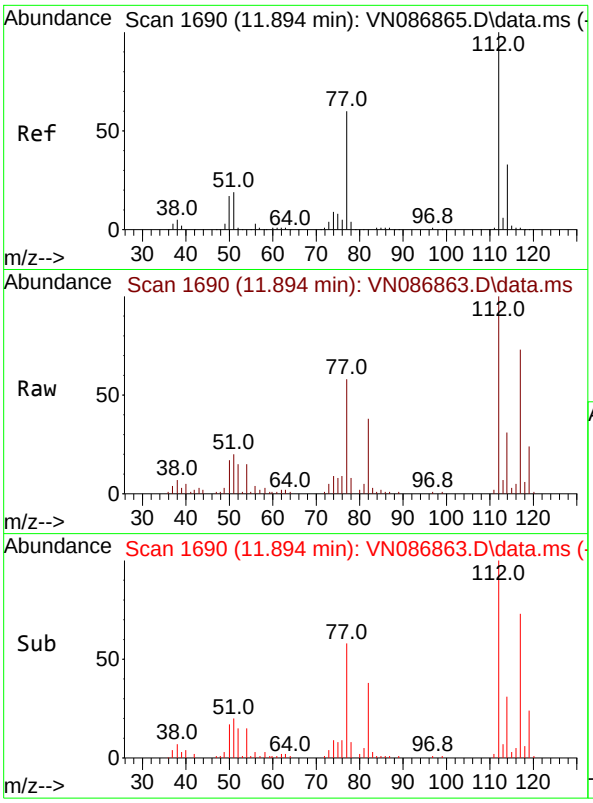


#64
Tetrachloroethene
Concen: 5.236 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:164 Resp: 12322

Ion	Ratio	Lower	Upper
164	100		
166	117.9	101.8	152.8
129	96.6	83.0	124.4
131	88.0	78.2	117.2

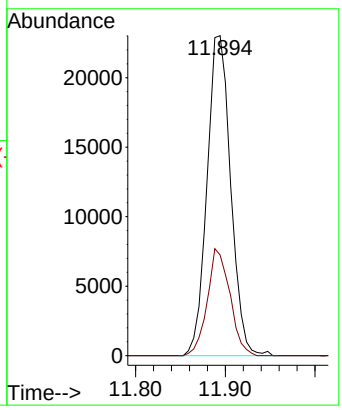




#65
Chlorobenzene
Concen: 5.145 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:112 Resp: 4219

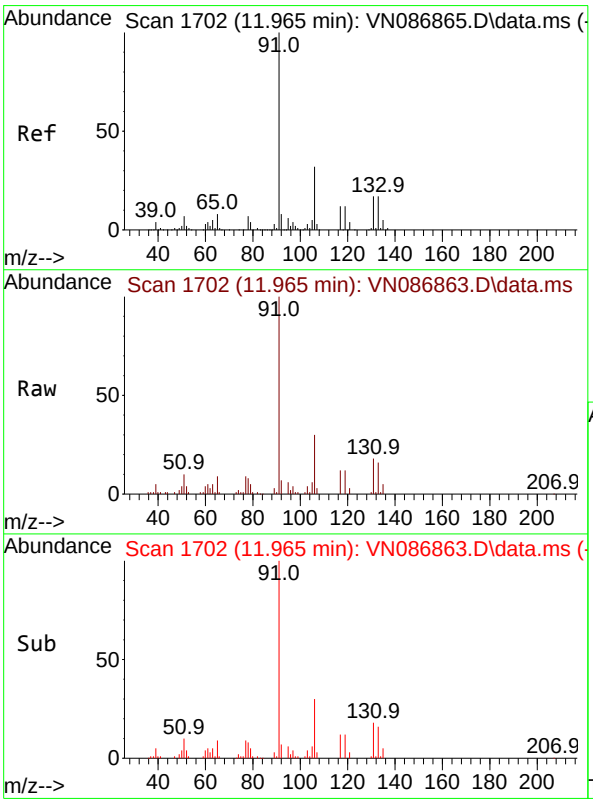
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

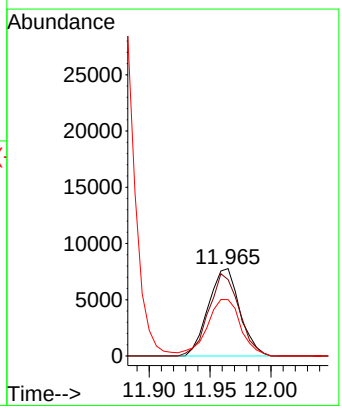
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

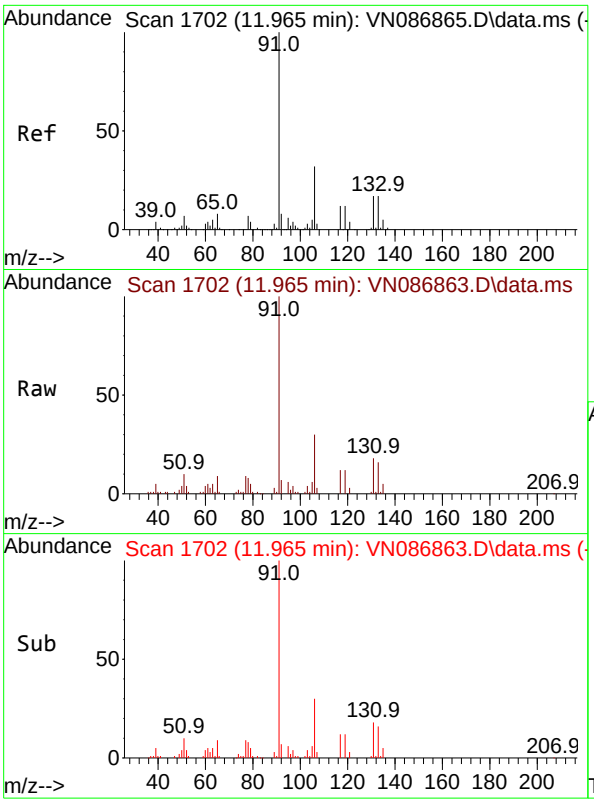


#66
1,1,1,2-Tetrachloroethane
Concen: 5.271 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:131 Resp: 13897

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.3	144.8
119	69.1	34.0	101.8

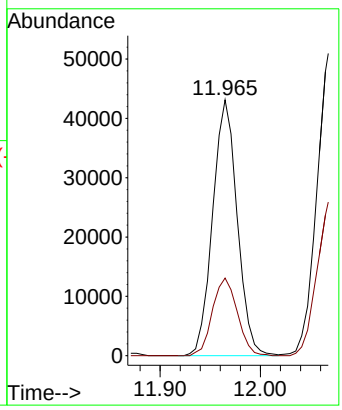




#67
Ethyl Benzene
Concen: 5.199 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 7344

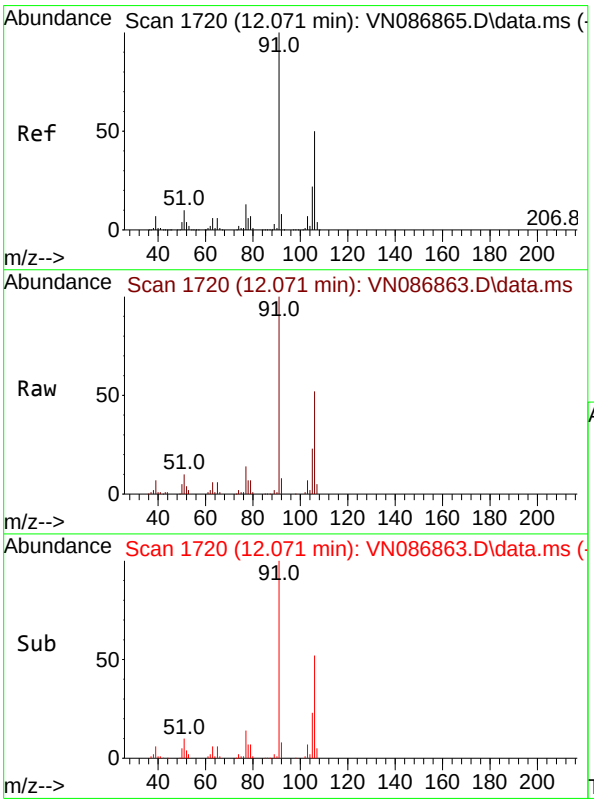
Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

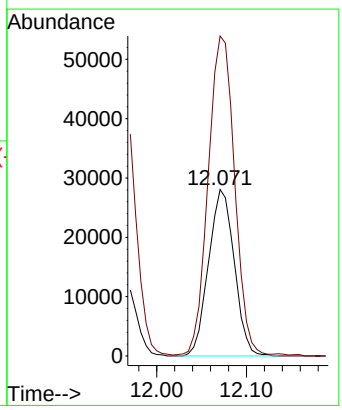
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

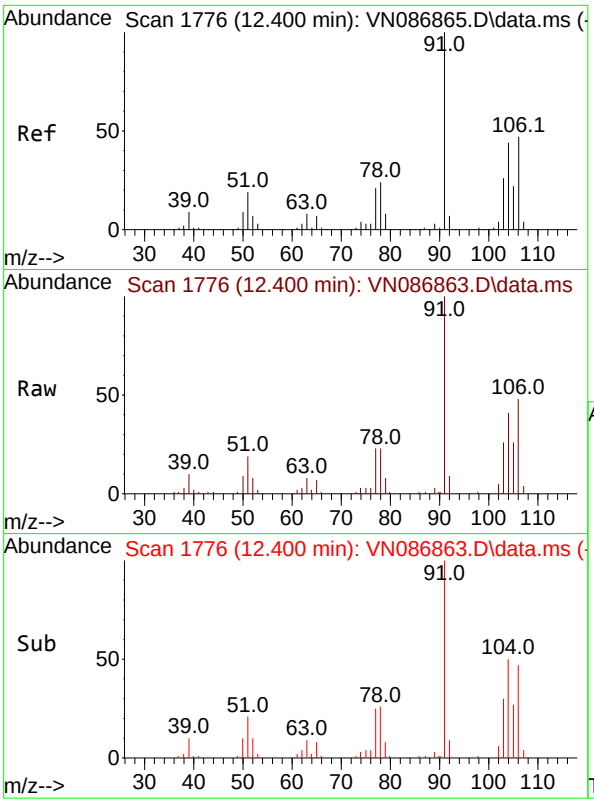


#68
m/p-Xylenes
Concen: 10.330 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:106 Resp: 55859

Ion	Ratio	Lower	Upper
106	100		
91	199.0	159.4	239.0





#69
o-Xylene
Concen: 5.021 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

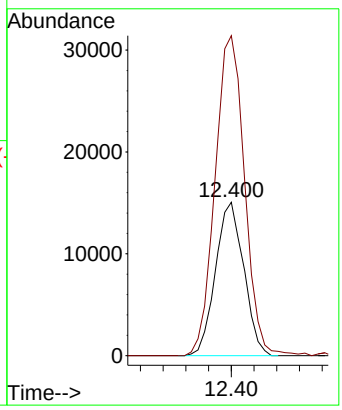
Tgt Ion:106 Resp: 2600

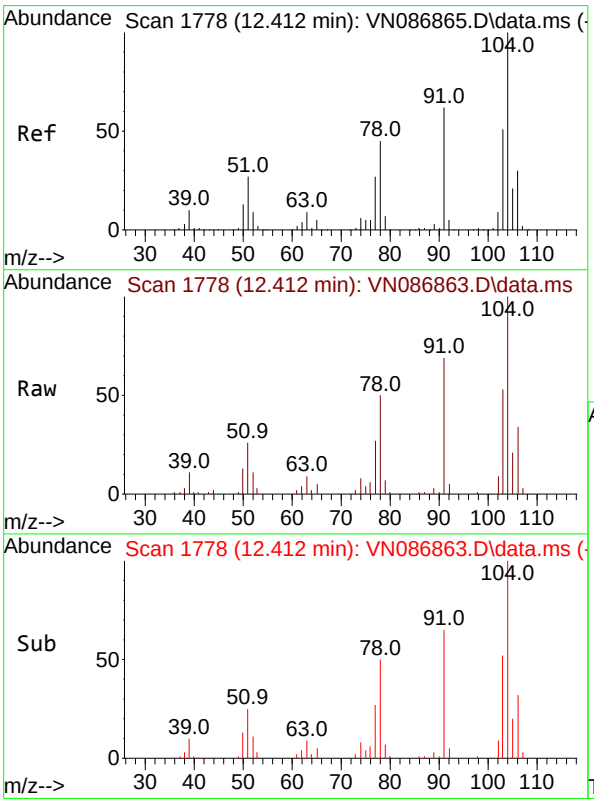
Ion	Ratio	Lower	Upper
106	100		
91	218.1	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

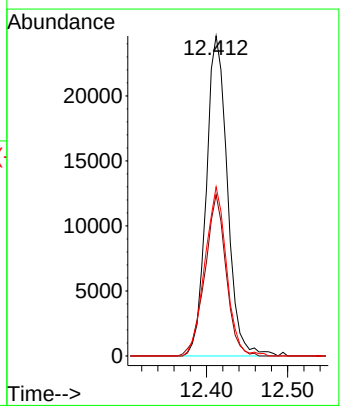


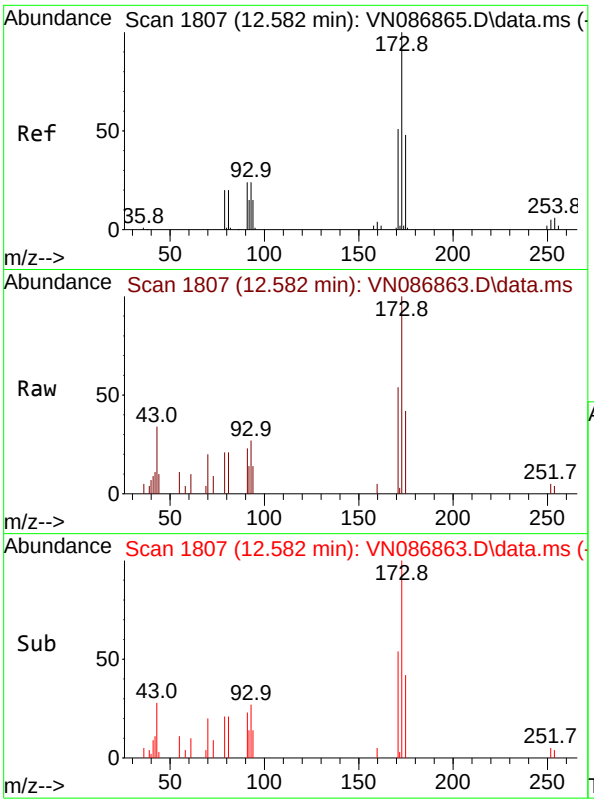


#70
Styrene
Concen: 5.008 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:104 Resp: 44380

Ion	Ratio	Lower	Upper
104	100		
78	50.4	38.5	57.7
103	54.4	43.1	64.7

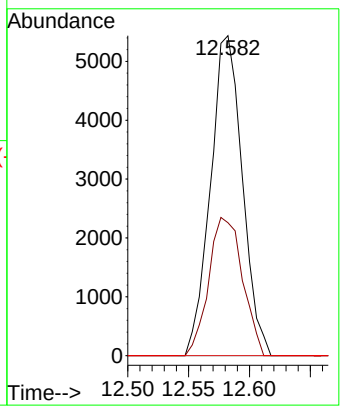




#71
Bromoform
Concen: 5.063 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:173 Resp: 989

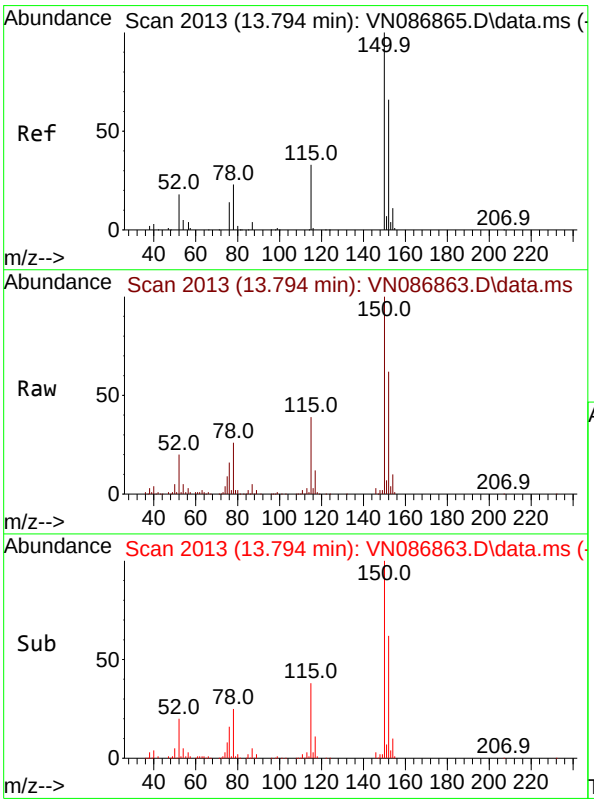
Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

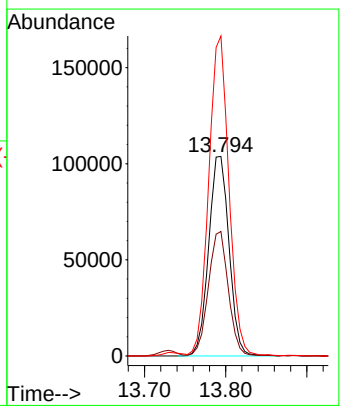
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

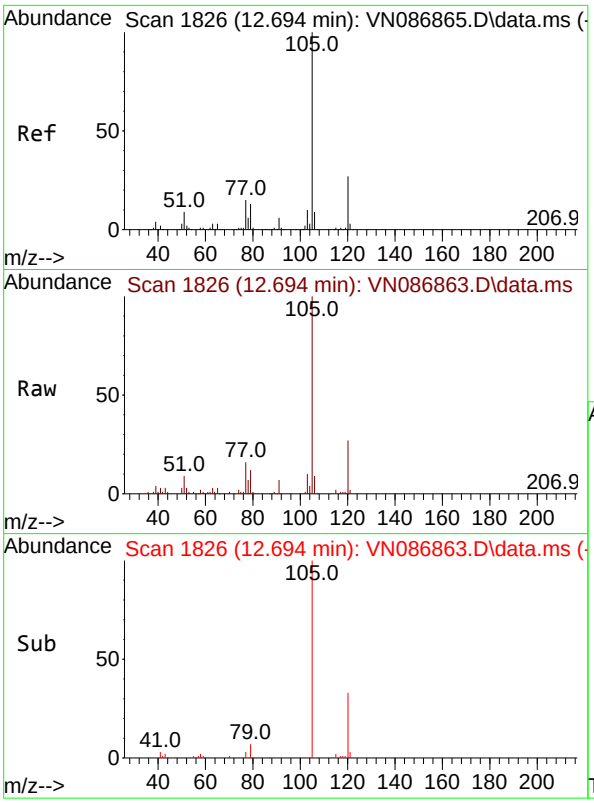


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:152 Resp: 181065

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	157.8	0.0	345.0

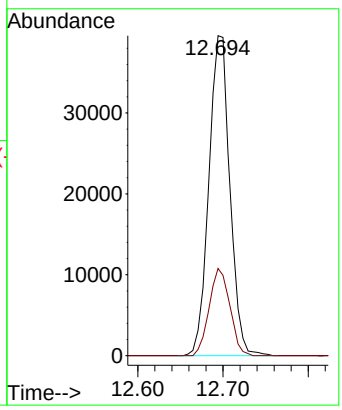




#73
Isopropylbenzene
Concen: 5.146 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 6787

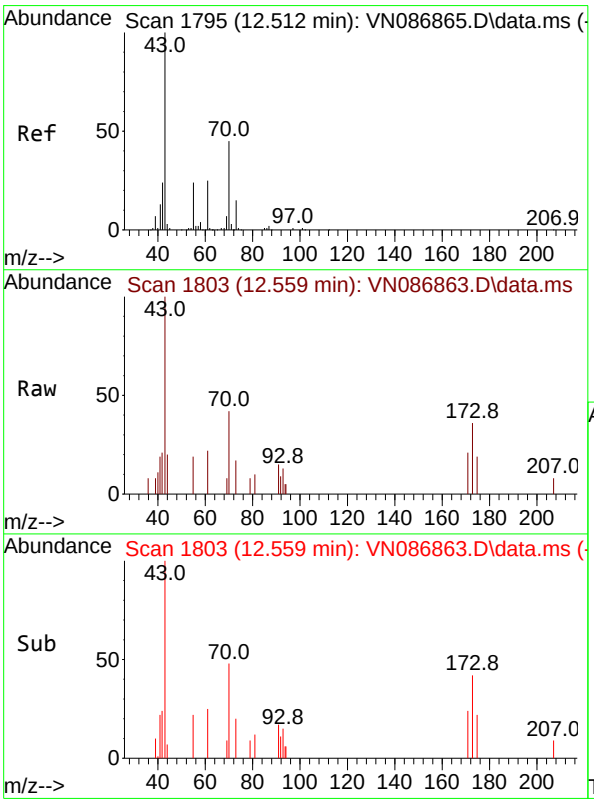
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

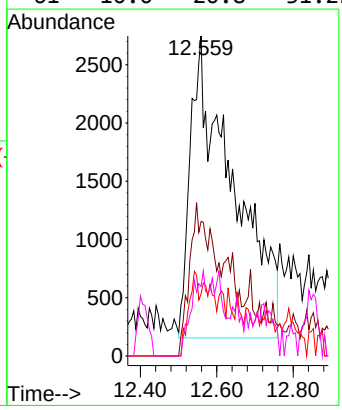
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

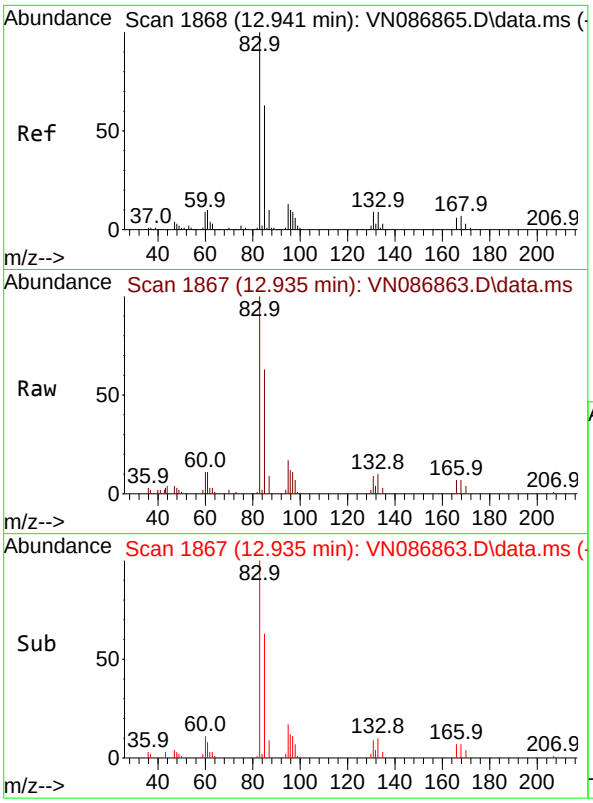


#74
N-amyl acetate
Concen: 4.590 ug/l m
RT: 12.559 min Scan# 1803
Delta R.T. 0.047 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 20096

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	10.0	20.8	31.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 5.262 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

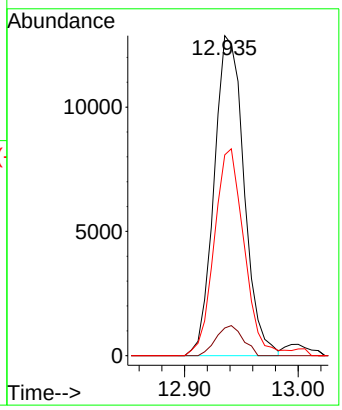
Tgt Ion: 83 Resp: 2351

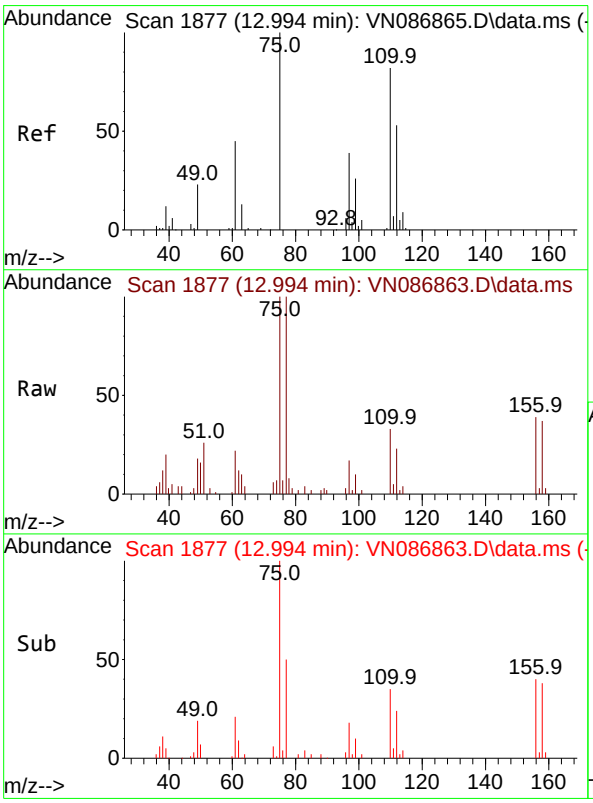
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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

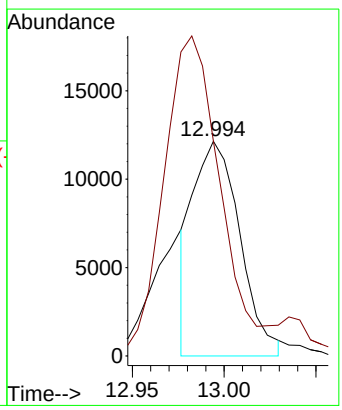


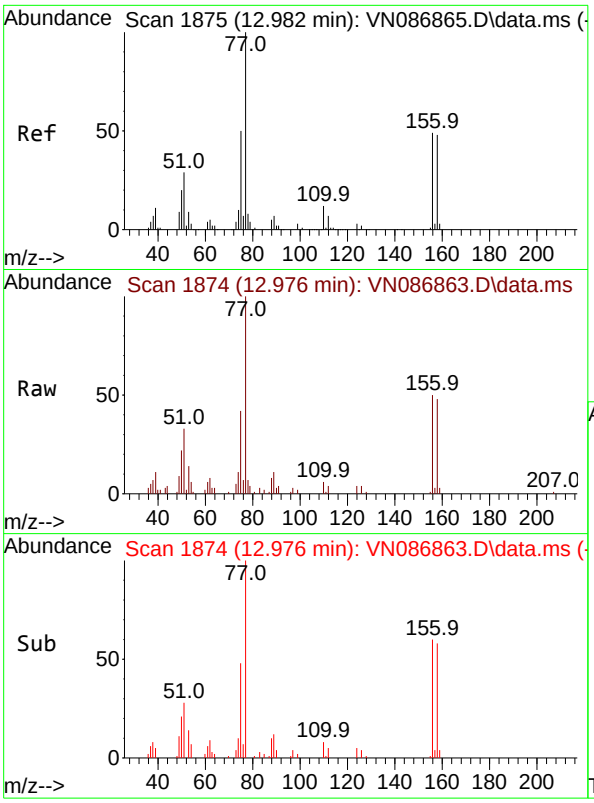


#76
1,2,3-Trichloropropane
Concen: 4.986 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 21527

Ion	Ratio	Lower	Upper
75	100		
77	179.7	79.3	237.9

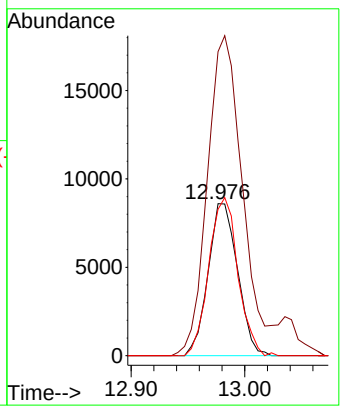




#77
Bromobenzene
Concen: 5.119 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:156 Resp: 1548

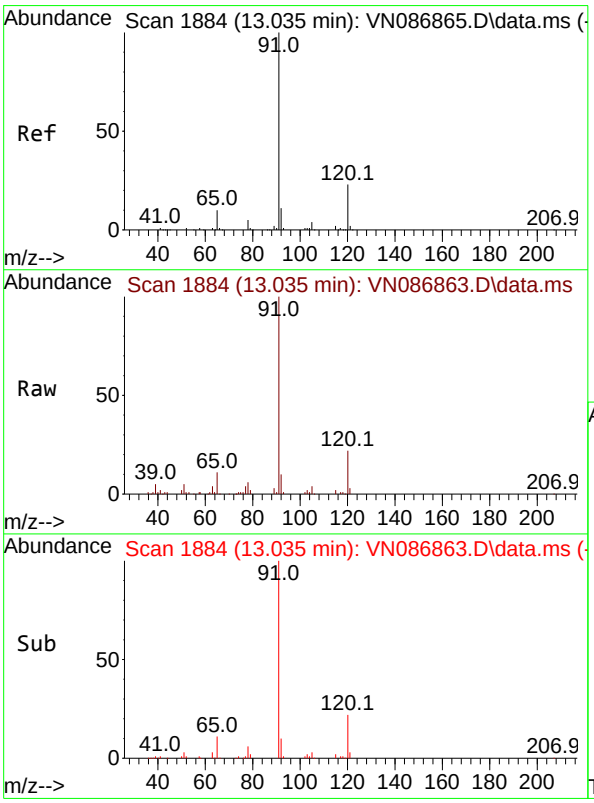
Ion	Ratio	Lower	Upper
156	100		
77	249.9	117.7	353.1
158	102.9	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

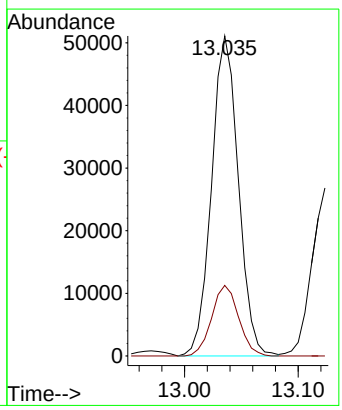
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

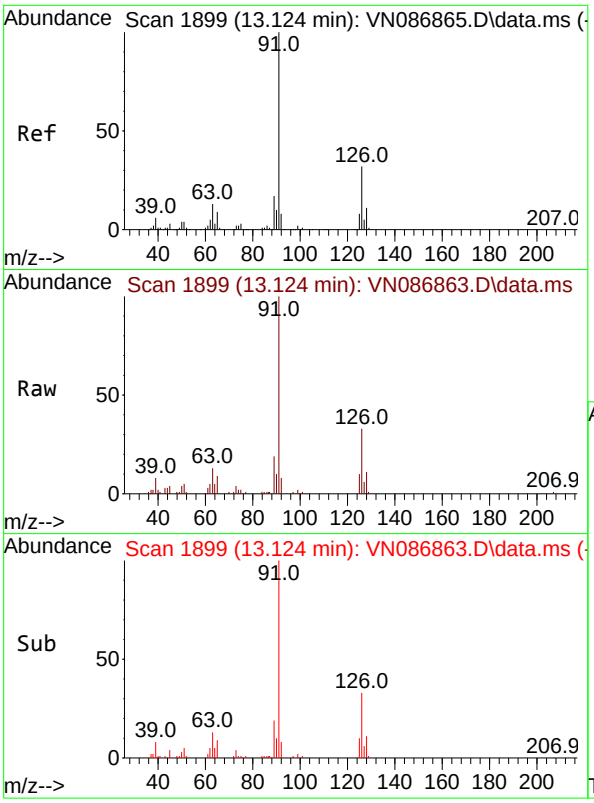


#78
n-propylbenzene
Concen: 5.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 83781

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2

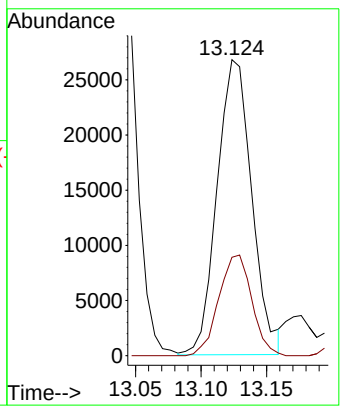




#79
2-Chlorotoluene
Concen: 5.128 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 4929

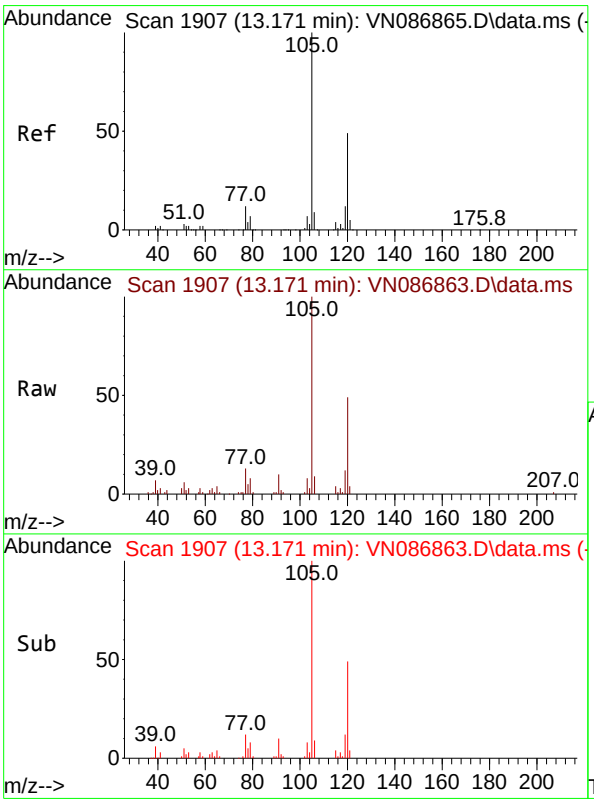
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

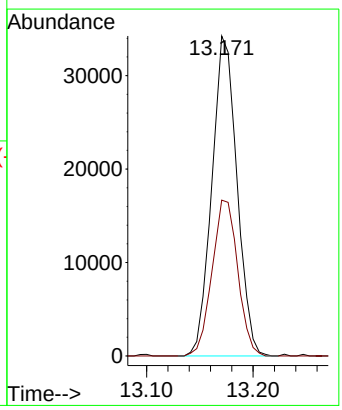
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

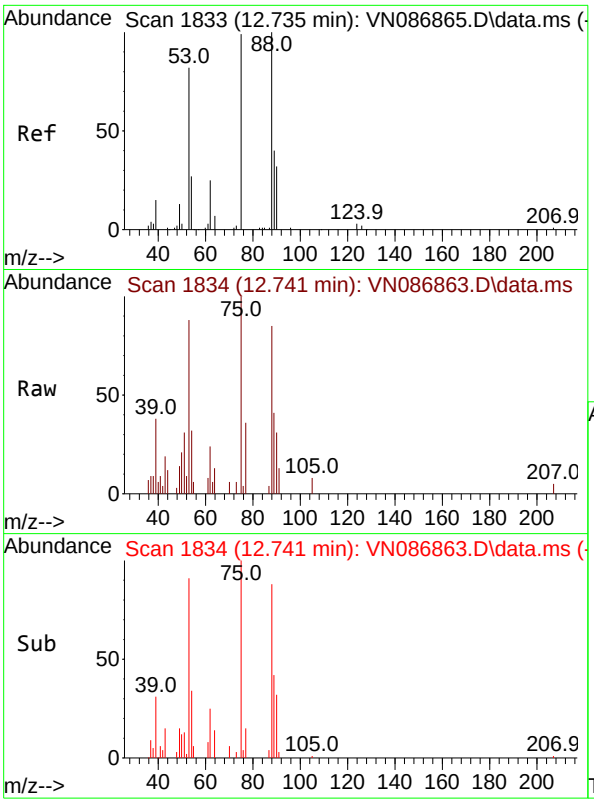


#80
1,3,5-Trimethylbenzene
Concen: 5.139 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 55961

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6

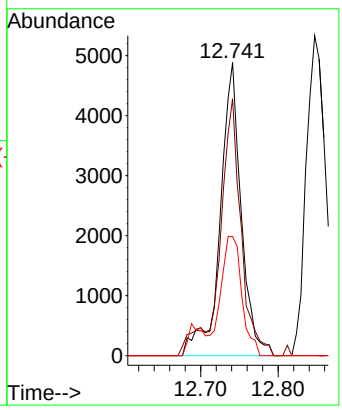




#81
trans-1,4-Dichloro-2-butene
Concen: 4.939 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 923

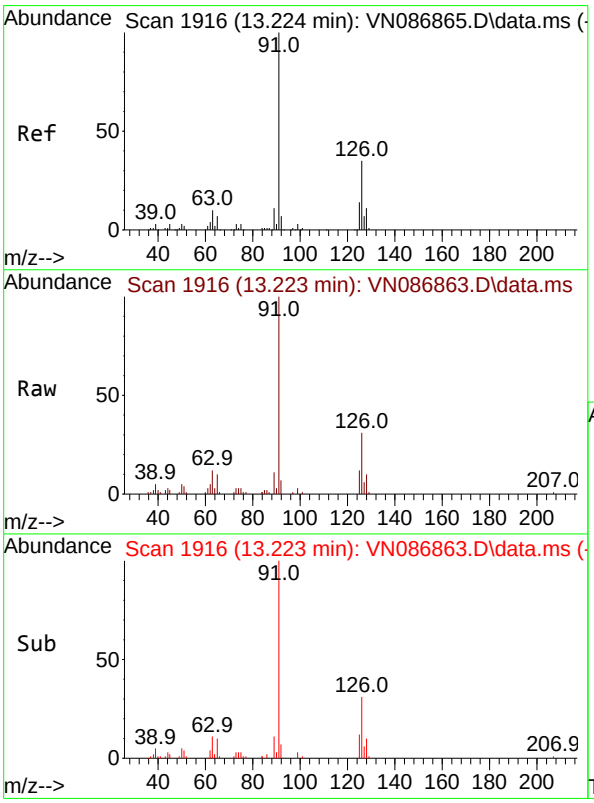
Ion	Ratio	Lower	Upper
75	100		
53	88.6	66.6	99.8
89	41.4	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

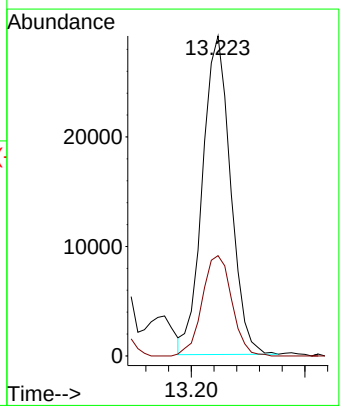
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

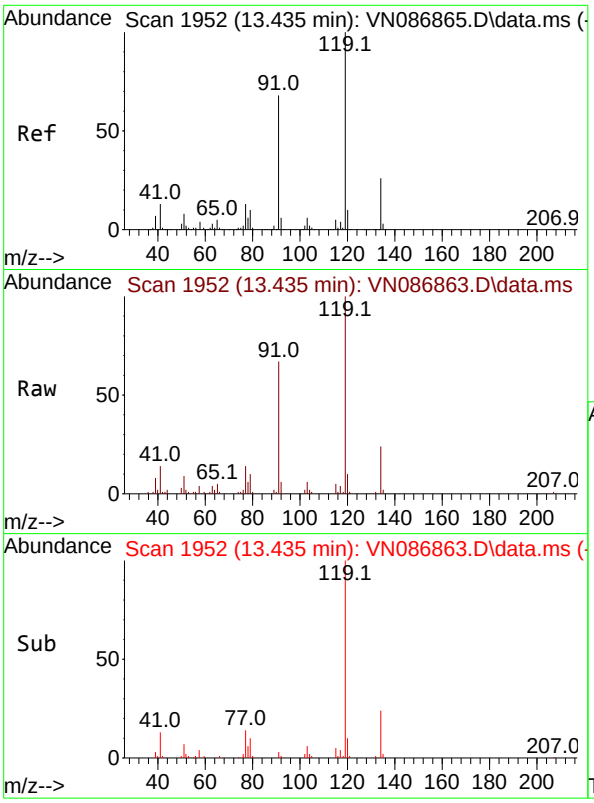


#82
4-Chlorotoluene
Concen: 5.132 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 49924

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1

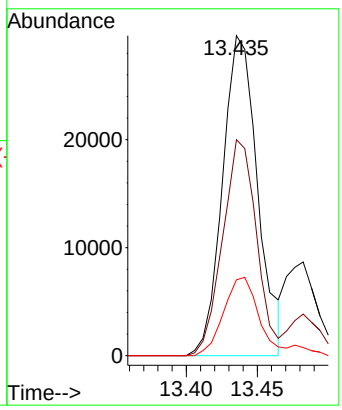




#83
tert-Butylbenzene
Concen: 5.103 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 5087

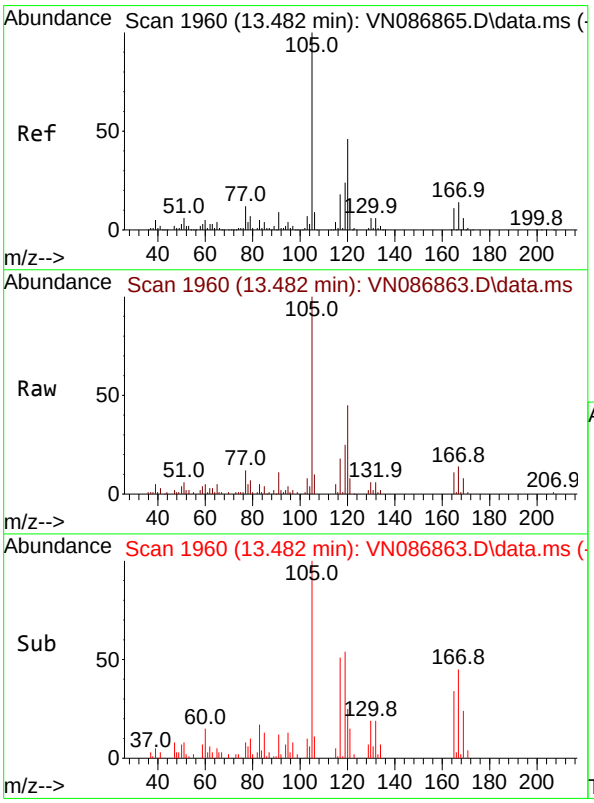
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	24.5	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

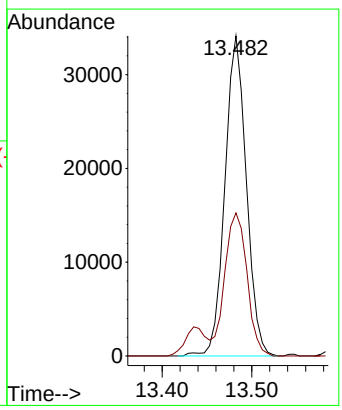
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

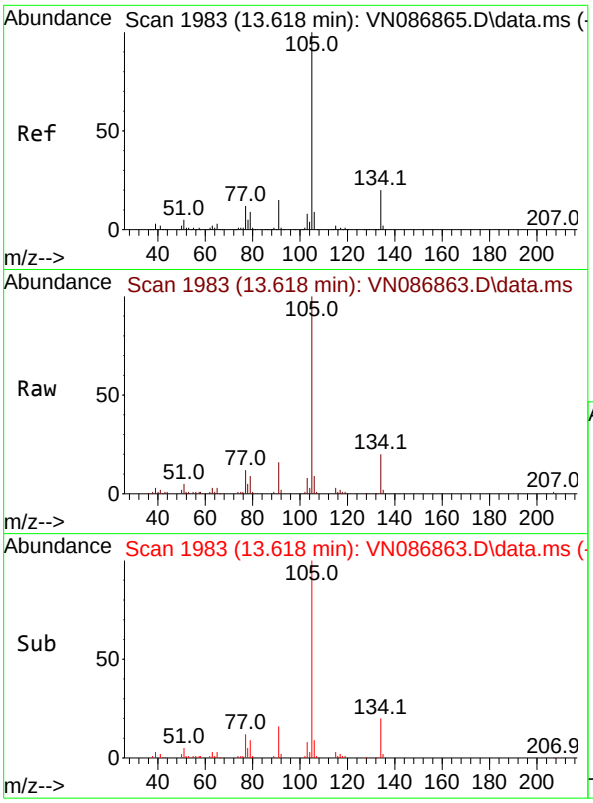


#84
1,2,4-Trimethylbenzene
Concen: 5.176 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 56525

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85
sec-Butylbenzene
Concen: 5.161 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

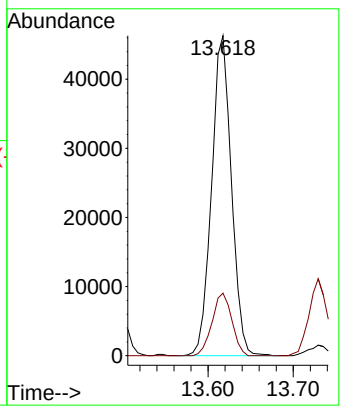
Tgt Ion:105 Resp: 7471

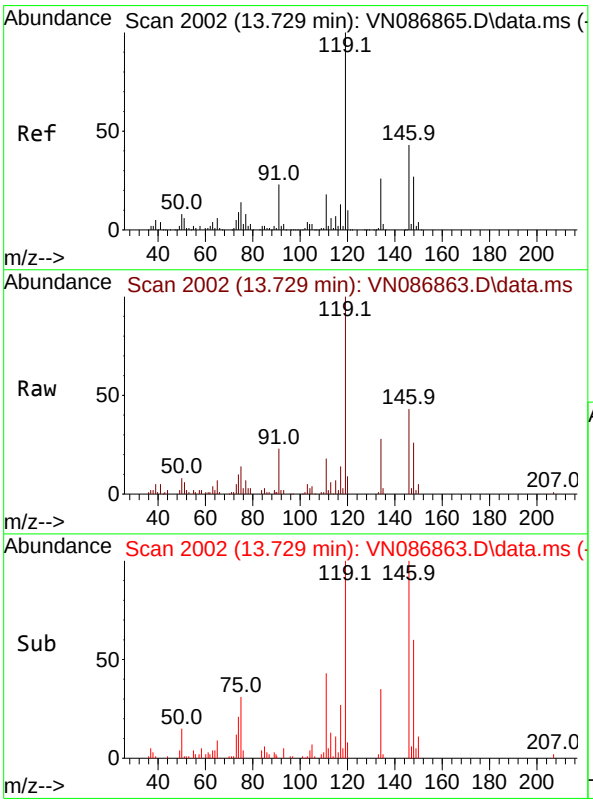
Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

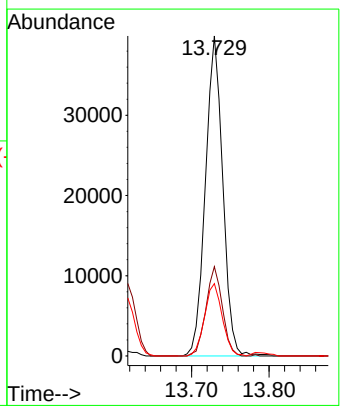


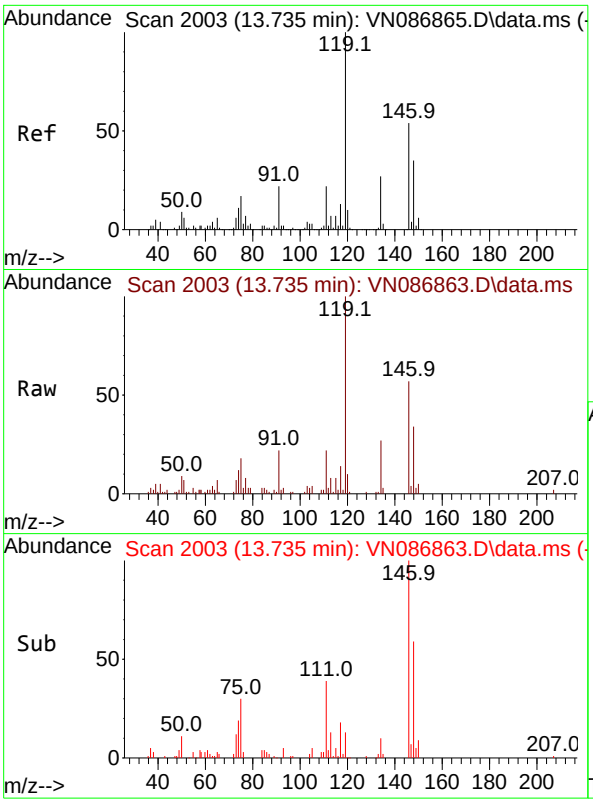


#86
p-Isopropyltoluene
Concen: 5.182 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 62016

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.9	11.5	34.4

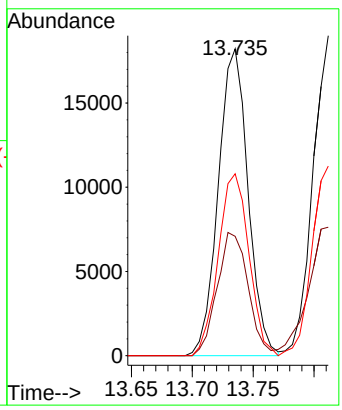




#87
1,3-Dichlorobenzene
Concen: 5.200 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 3094

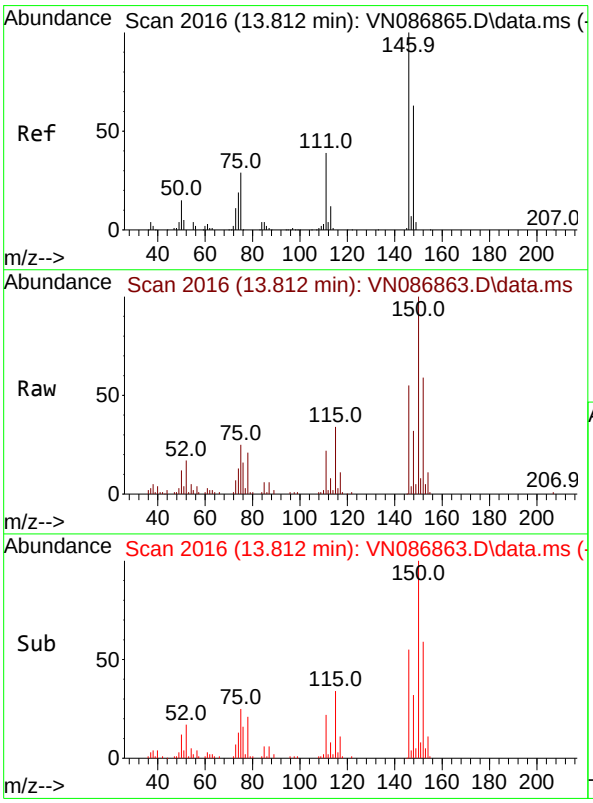
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	61.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

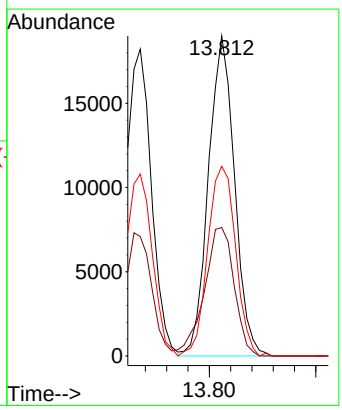
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

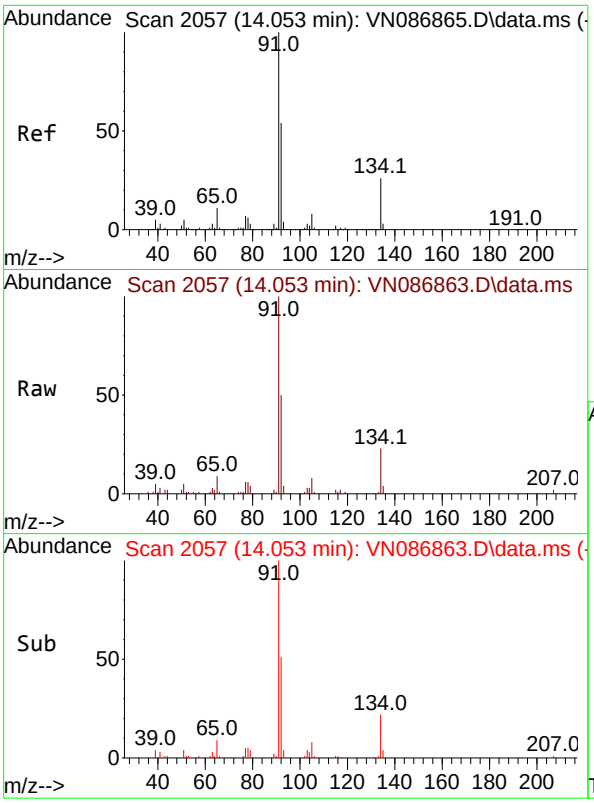


#88
1,4-Dichlorobenzene
Concen: 5.330 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 32342

Ion	Ratio	Lower	Upper
146	100		
111	46.1	19.9	59.7
148	63.3	31.8	95.4

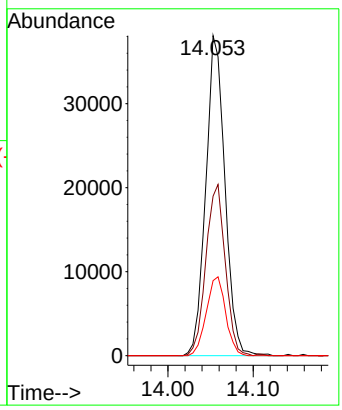




#89
n-Butylbenzene
Concen: 5.142 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 5960

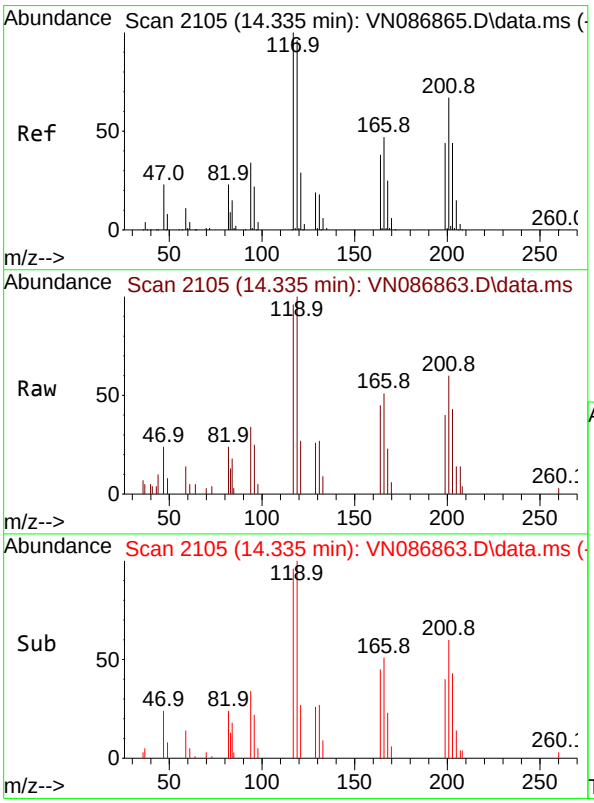
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

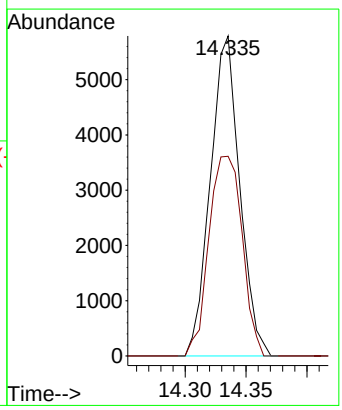
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

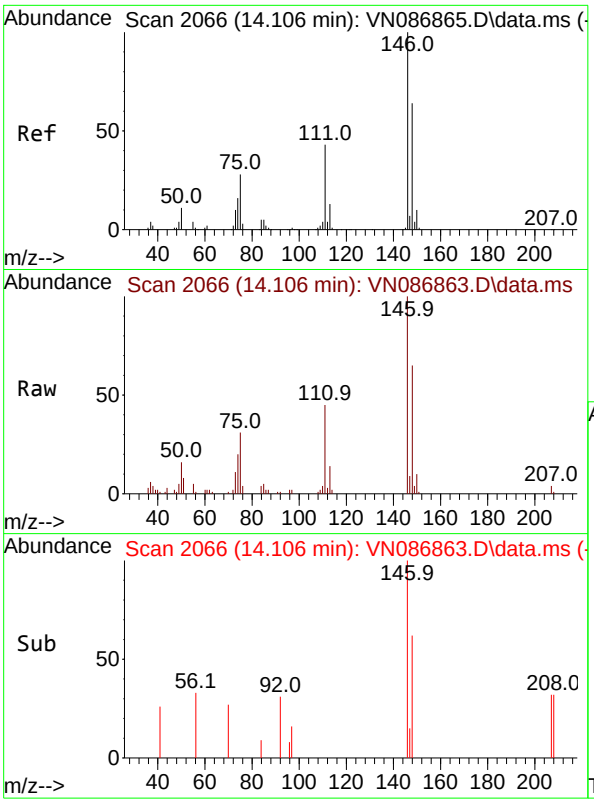


#90
Hexachloroethane
Concen: 4.794 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 9725

Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.2	99.6

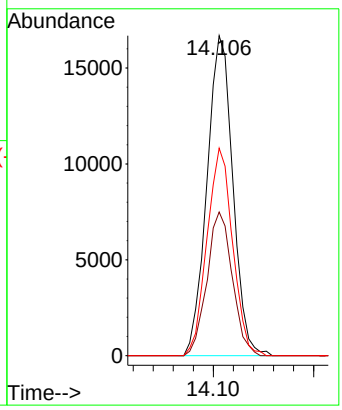




#91
1,2-Dichlorobenzene
Concen: 5.228 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 2989

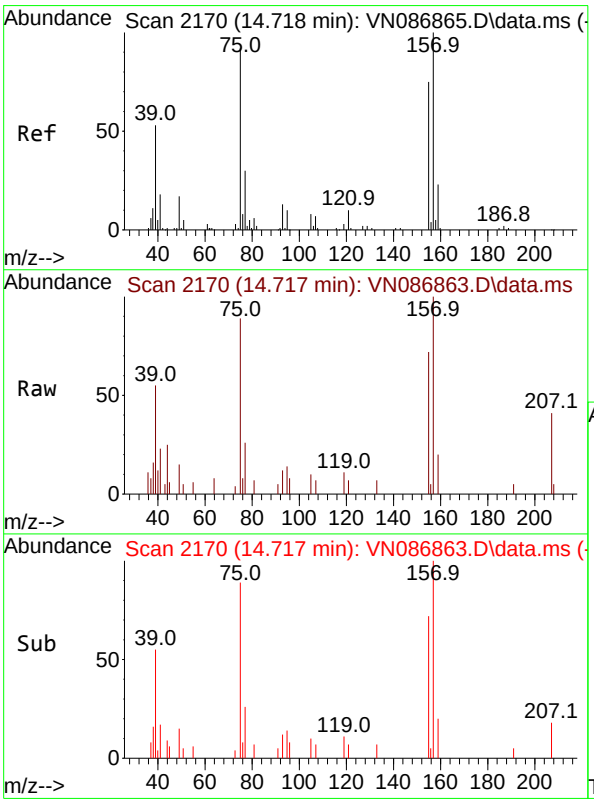
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.3	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

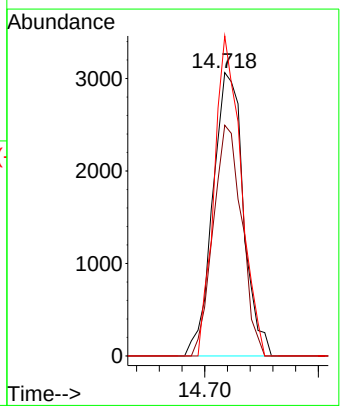
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

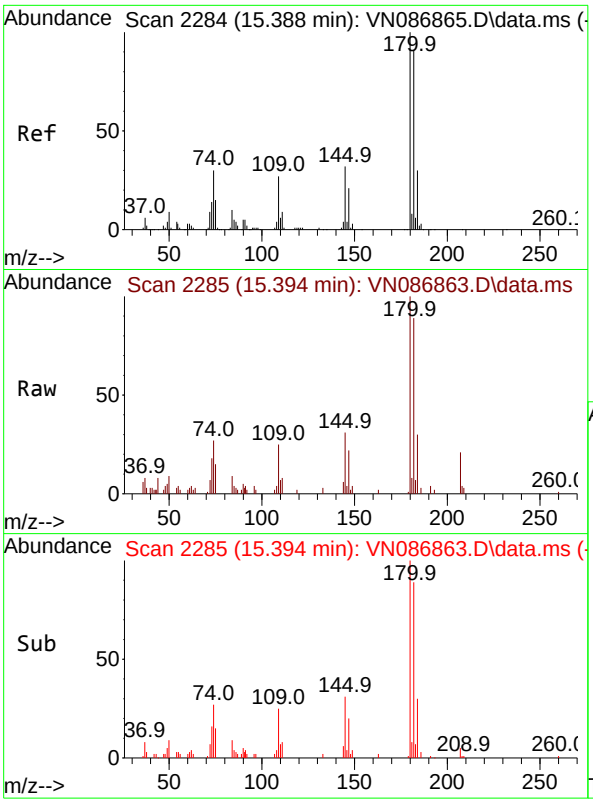


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.363 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 5731

Ion	Ratio	Lower	Upper
75	100		
155	76.0	41.1	123.4
157	98.8	52.7	158.1

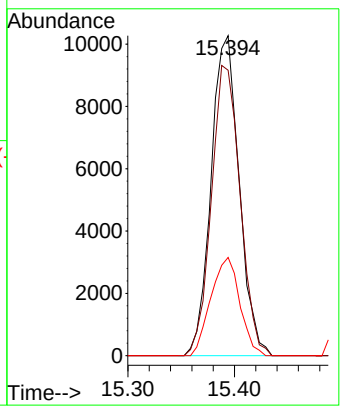




#93
1,2,4-Trichlorobenzene
Concen: 5.143 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 1877

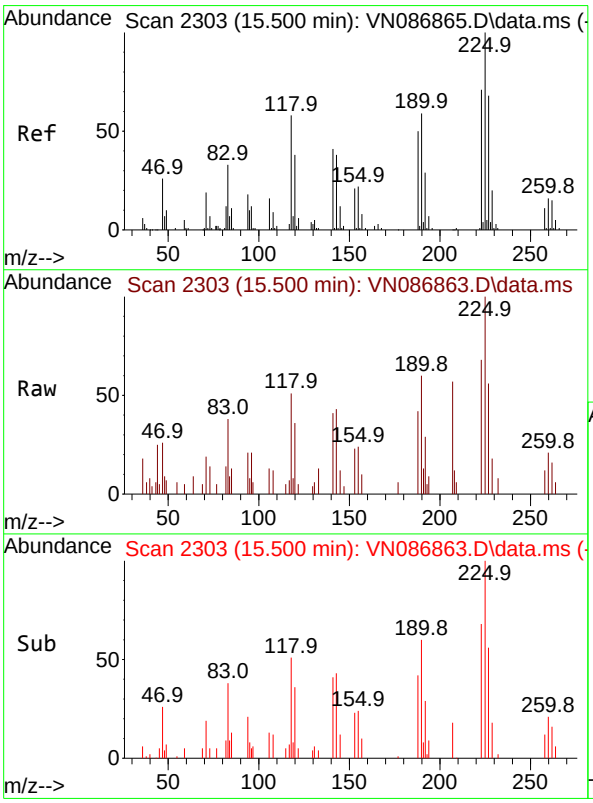
Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.9	140.7
145	31.7	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

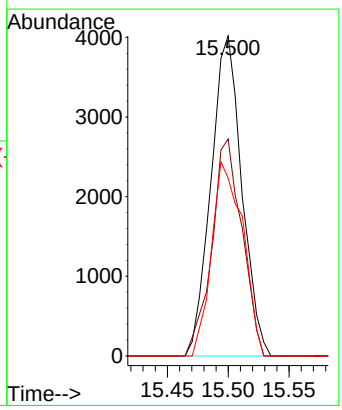
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

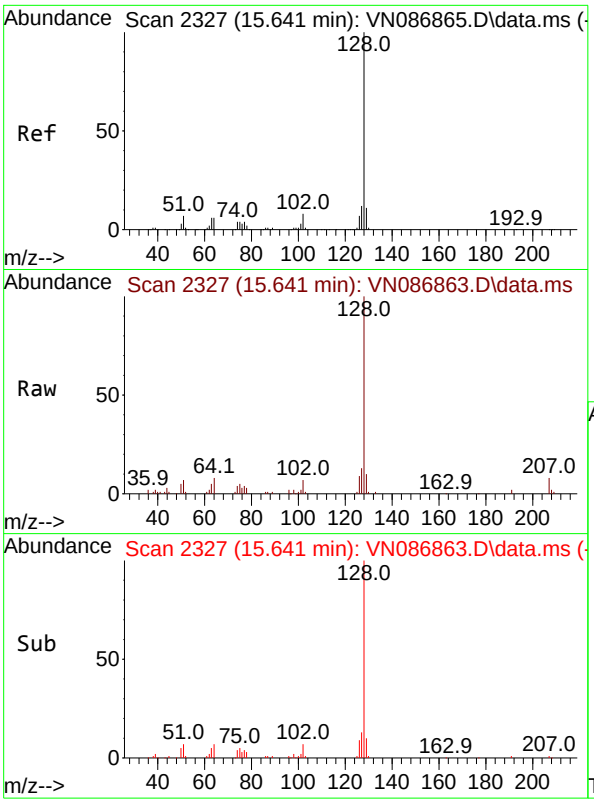


#94
Hexachlorobutadiene
Concen: 5.199 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:225 Resp: 7072

Ion	Ratio	Lower	Upper
225	100		
223	66.4	33.5	100.4
227	61.7	31.1	93.5

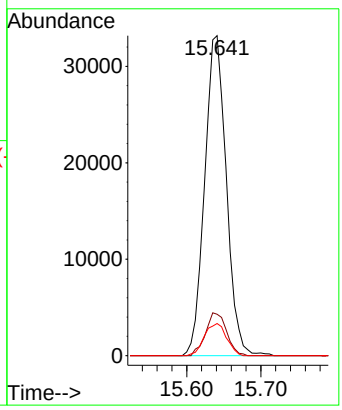




#95
Naphthalene
Concen: 4.965 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:128 Resp: 6748

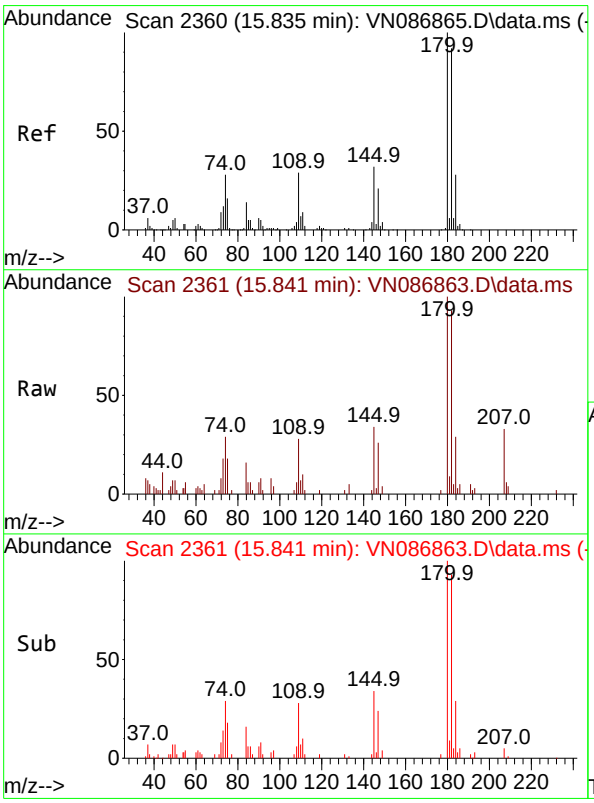
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.3	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

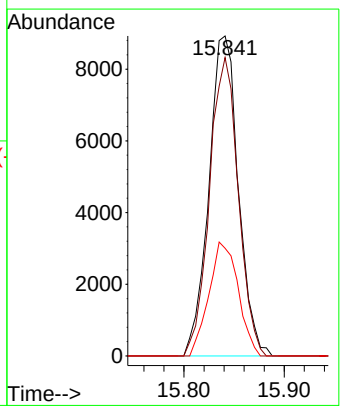
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.034 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 18262

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.0	141.0
145	35.3	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

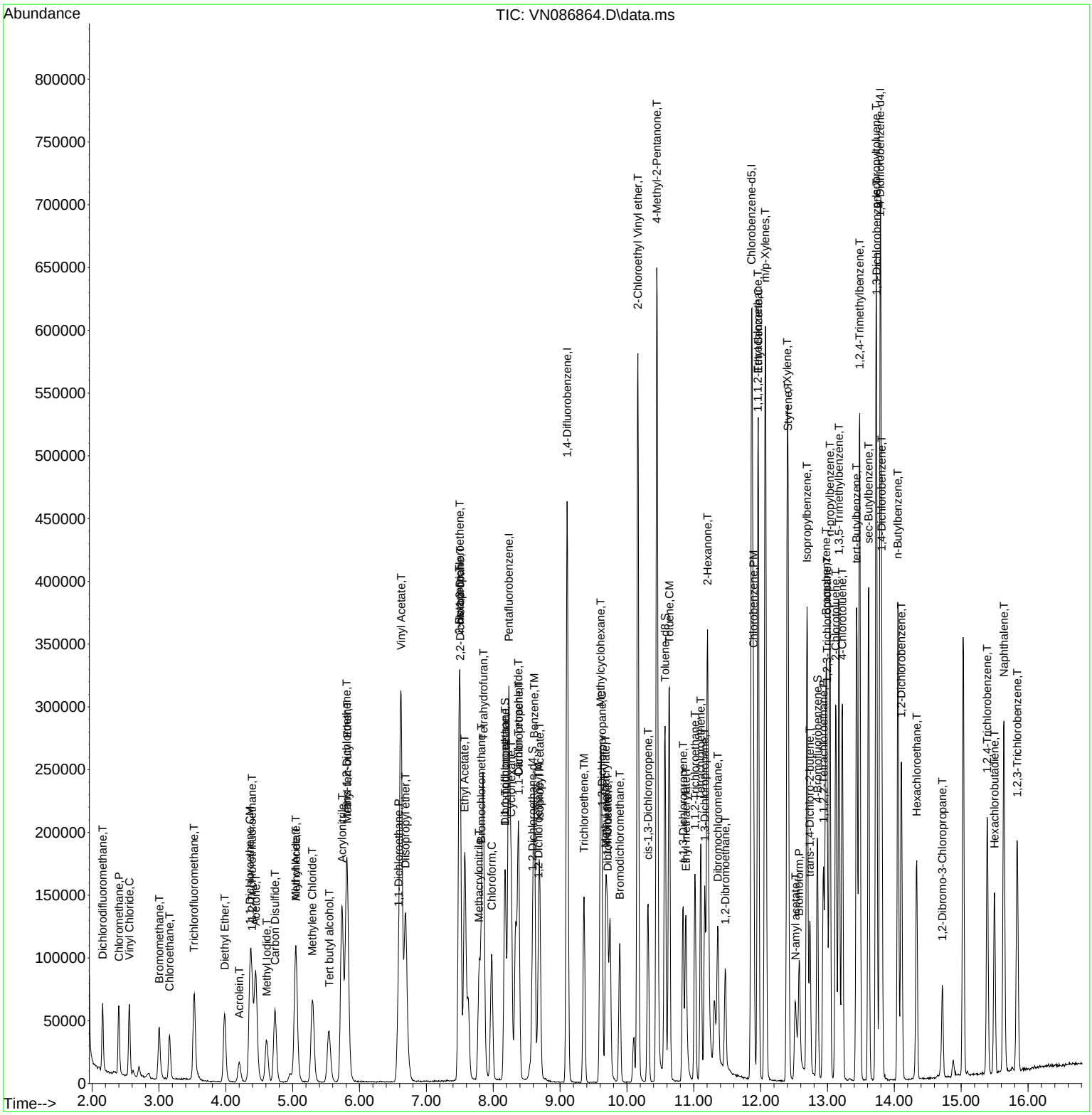
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

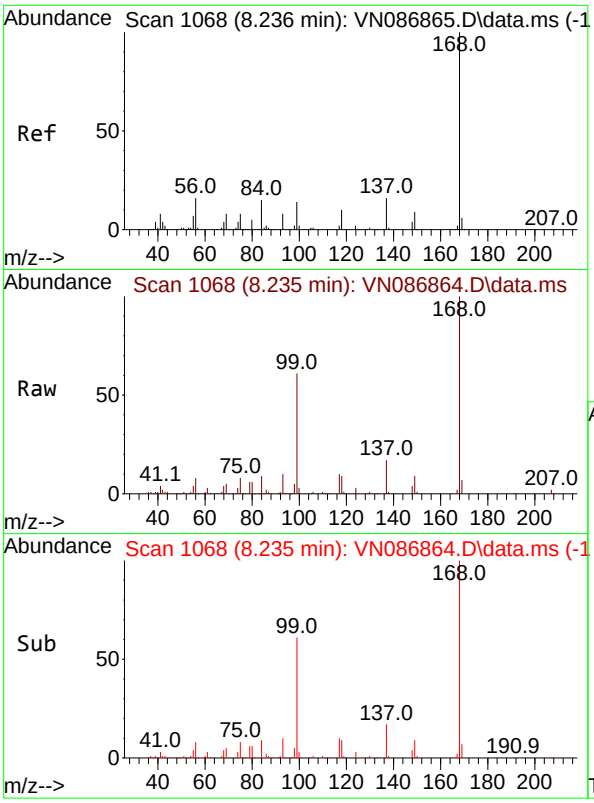
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

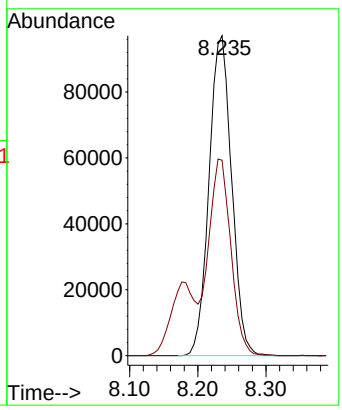




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:168 Resp: 22400

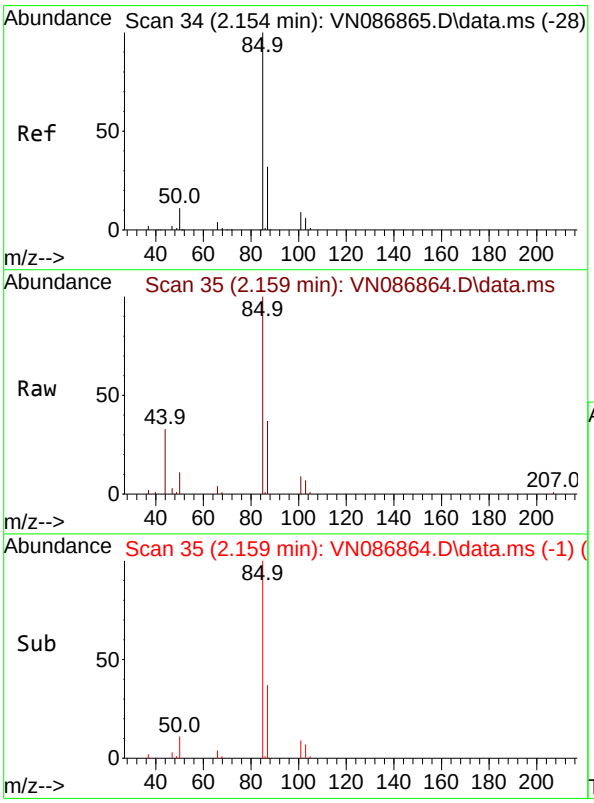
Ion	Ratio	Lower	Upper
168	100		
99	61.1	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

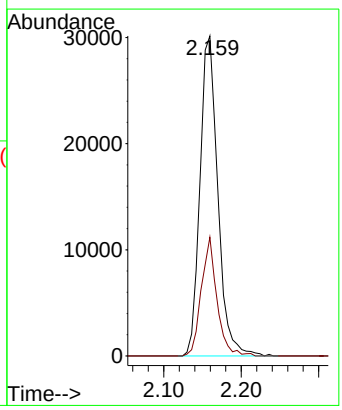
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

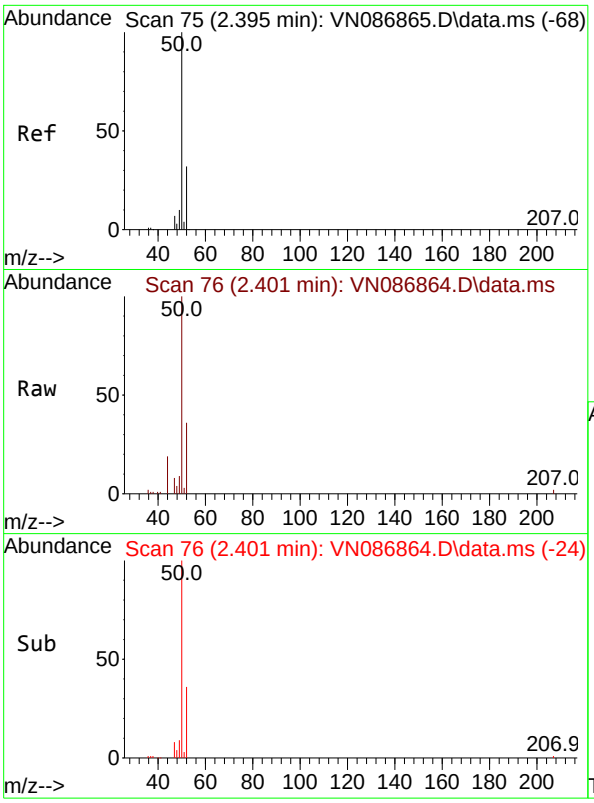


#2
Dichlorodifluoromethane
Concen: 21.605 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 85 Resp: 48254

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.2	48.6

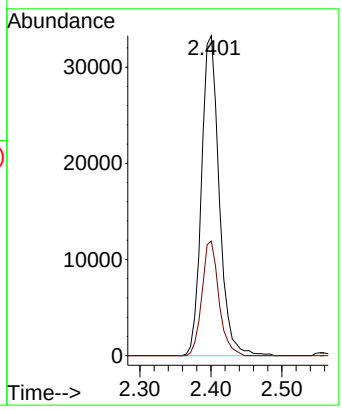




#3
Chloromethane
Concen: 20.033 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 50 Resp: 5777

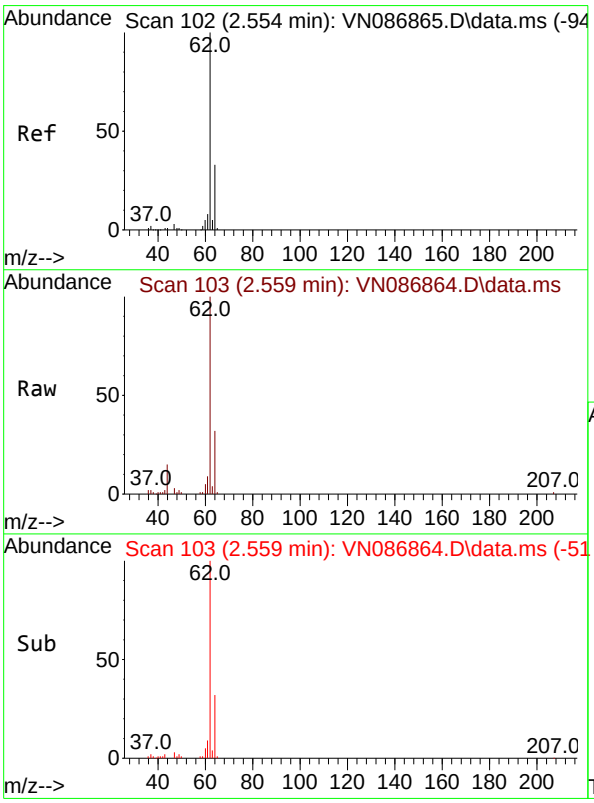
Ion	Ratio	Lower	Upper
50	100		
52	35.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

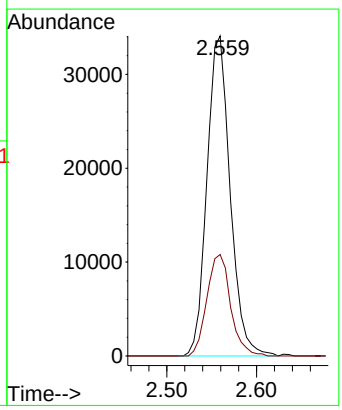
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

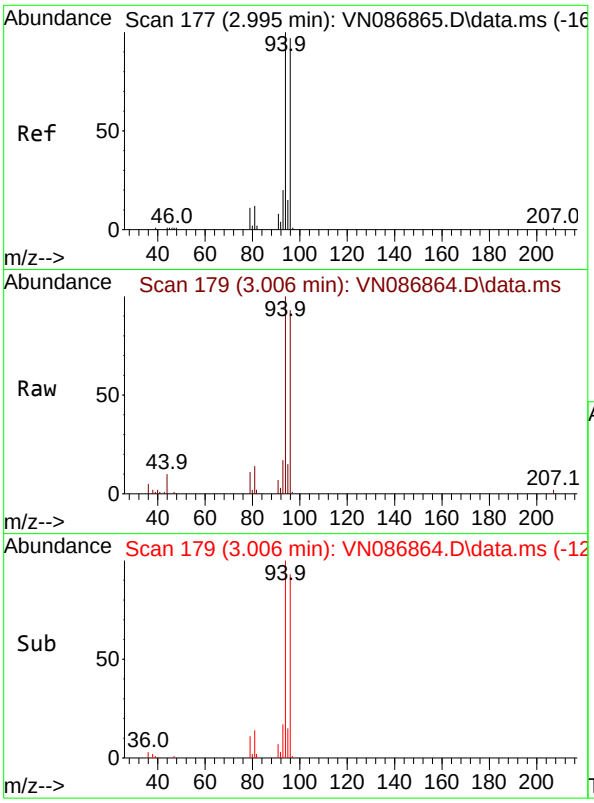


#4
Vinyl Chloride
Concen: 20.589 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 61254

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.0	39.0

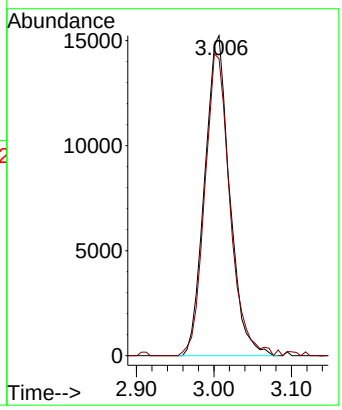




#5
Bromomethane
Concen: 20.435 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 94 Resp: 3402

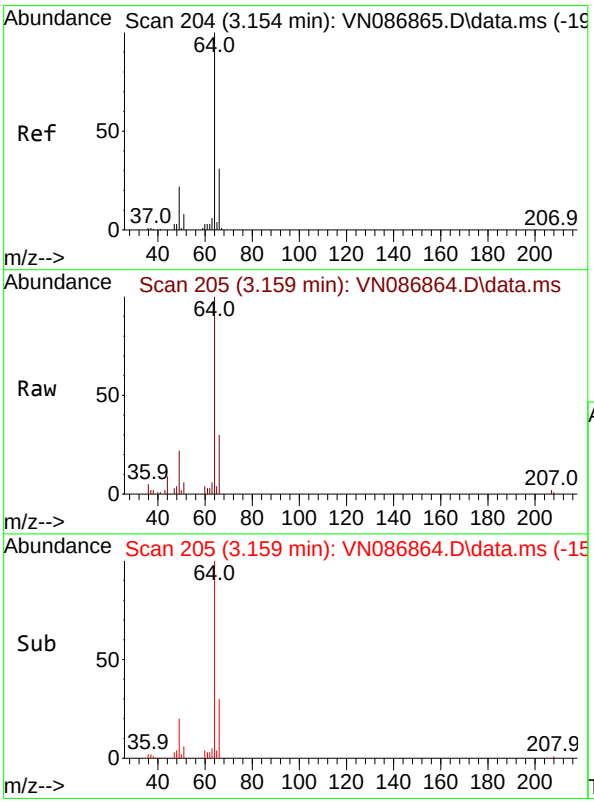
Ion	Ratio	Lower	Upper
94	100		
96	92.9	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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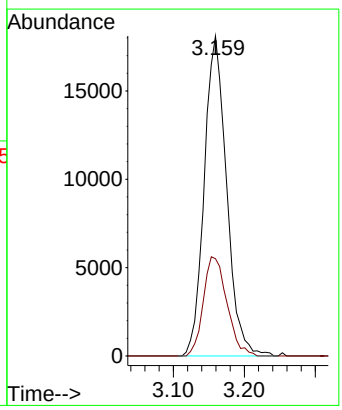
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

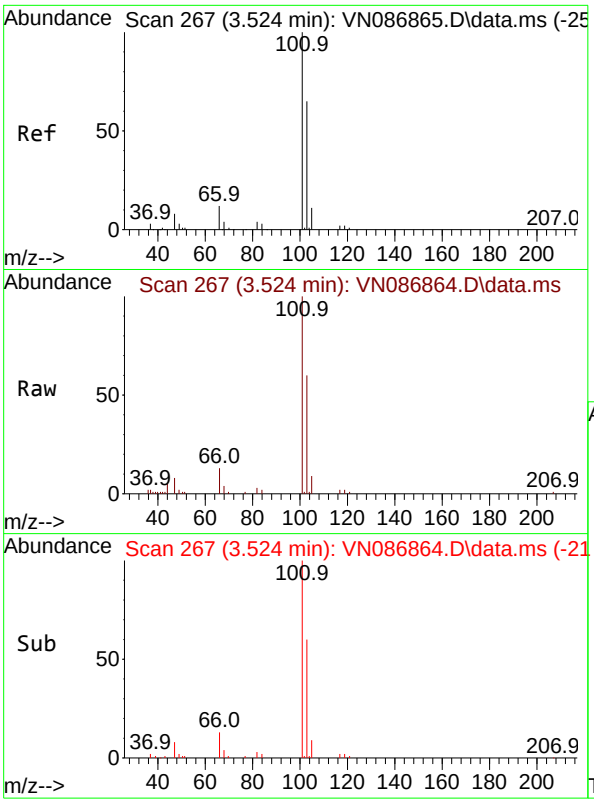


#6
Chloroethane
Concen: 20.619 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 64 Resp: 39625

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	36.8





#7
Trichlorofluoromethane
Concen: 20.832 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

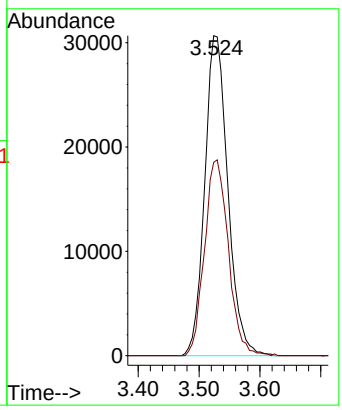
Tgt Ion:101 Resp: 8097

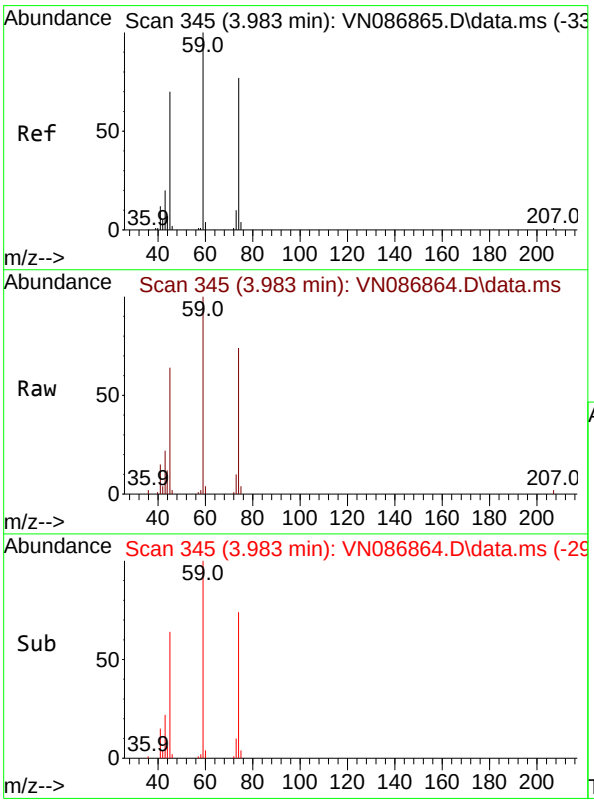
Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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

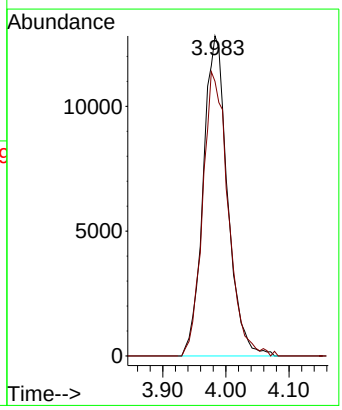


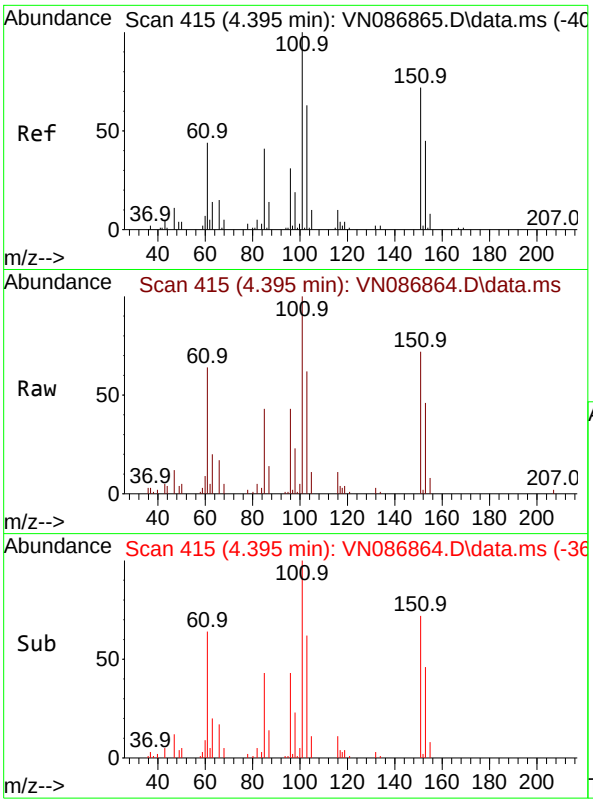


#8
Diethyl Ether
Concen: 20.245 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 74 Resp: 34288

Ion	Ratio	Lower	Upper
74	100		
45	92.9	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.661 ug/l
RT: 4.395 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

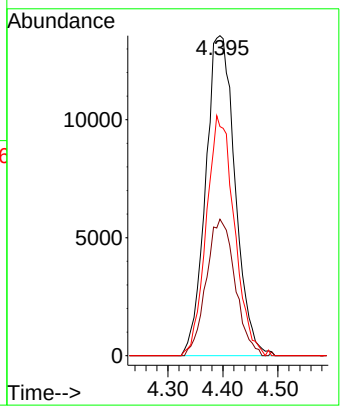
Tgt Ion:101 Resp: 5045

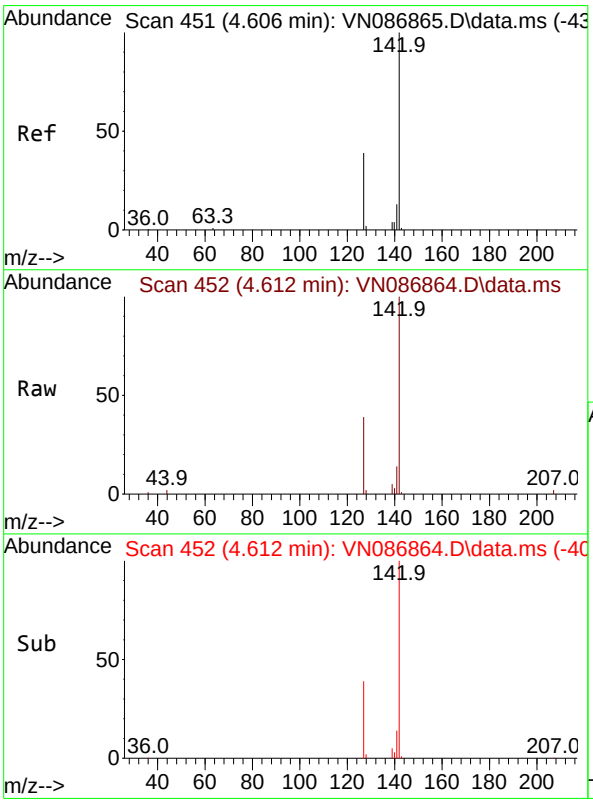
Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.8	50.8
151	71.3	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 06/09/2025
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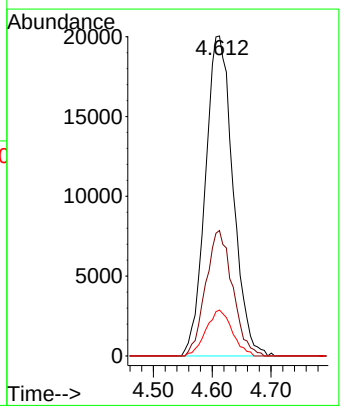


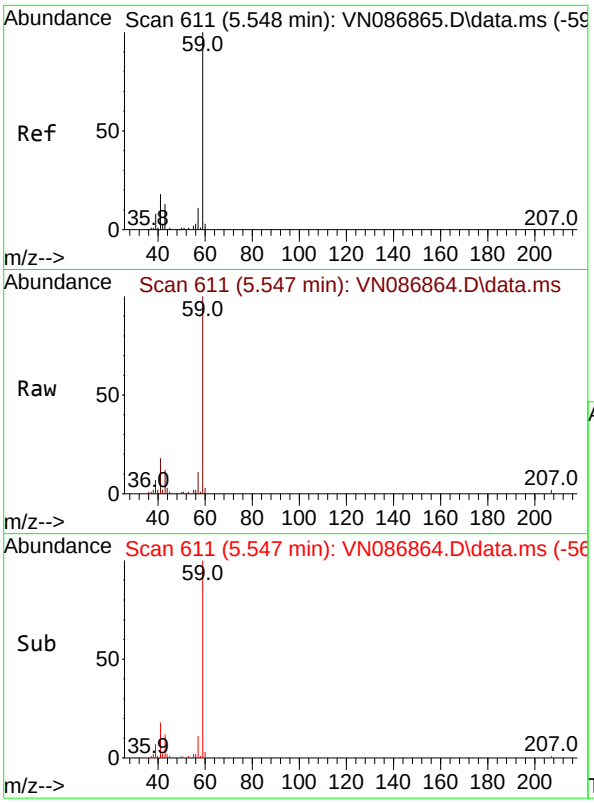


#10
Methyl Iodide
Concen: 20.646 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:142 Resp: 65360

Ion	Ratio	Lower	Upper
142	100		
127	39.2	30.9	46.3
141	14.3	10.4	15.6

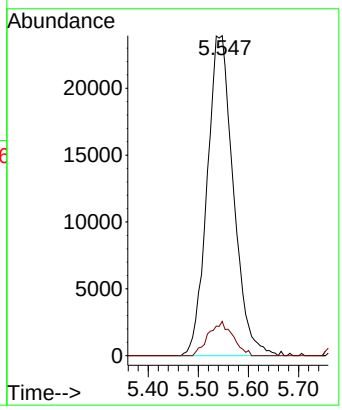




#11
Tert butyl alcohol
Concen: 107.031 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 59 Resp: 8710

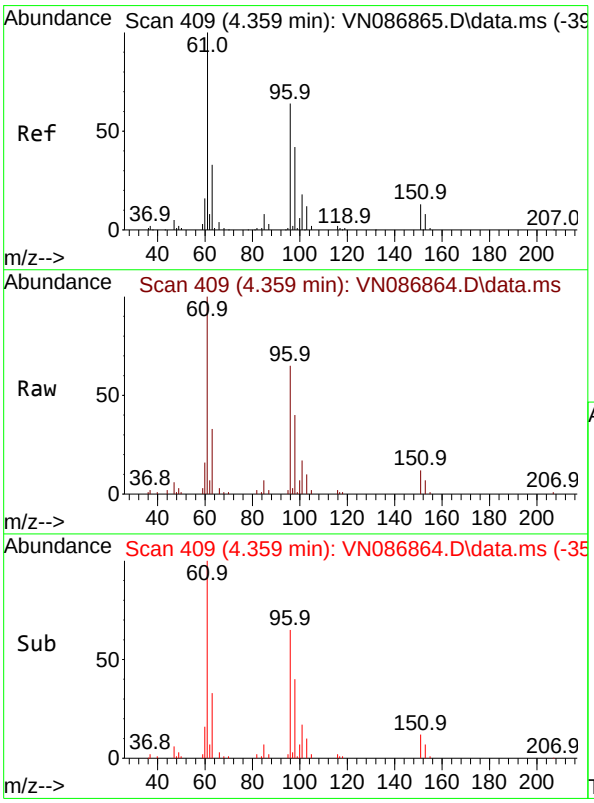
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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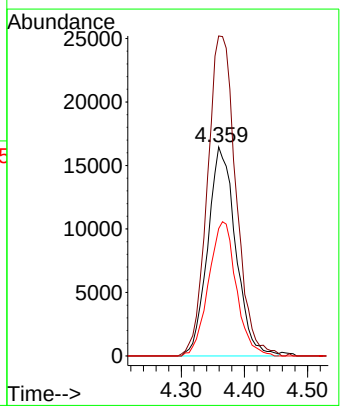
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

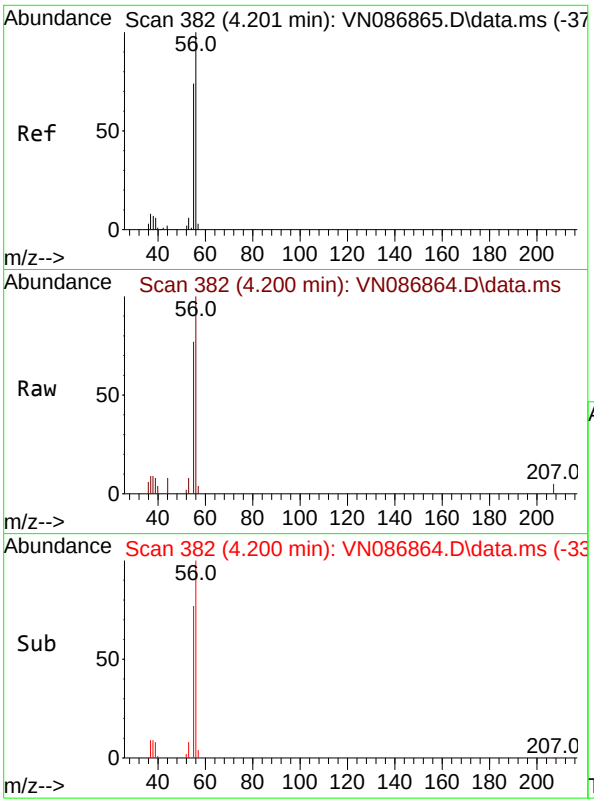


#12
1,1-Dichloroethene
Concen: 20.249 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 50485

Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.8	188.6
98	61.0	52.5	78.7

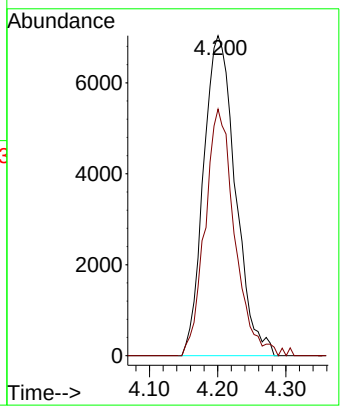




#13
Acrolein
Concen: 88.767 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 56 Resp: 2286

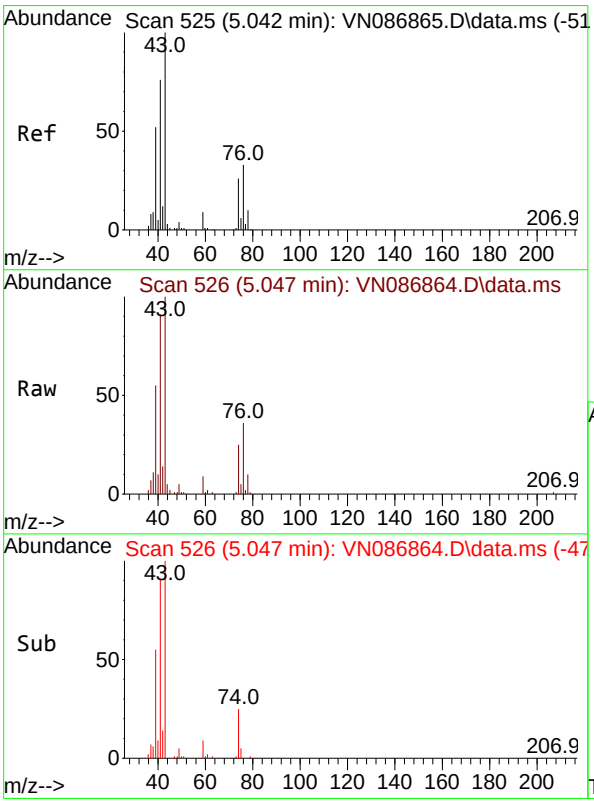
Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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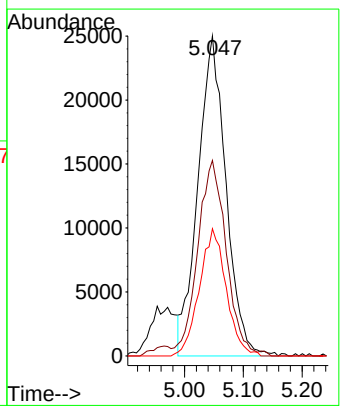
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

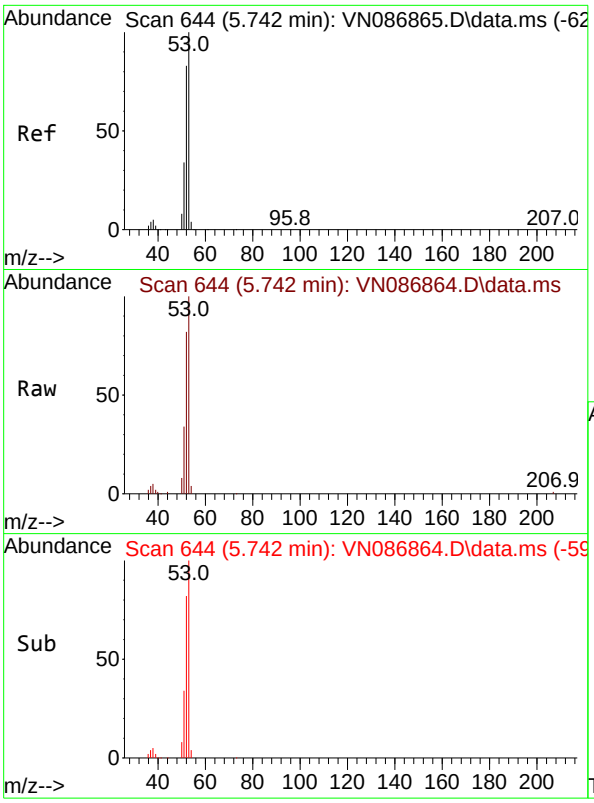


#14
Allyl chloride
Concen: 20.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 82924

Ion	Ratio	Lower	Upper
41	100		
39	62.6	51.3	76.9
76	38.1	31.4	47.0





#15
Acrylonitrile
Concen: 104.881 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

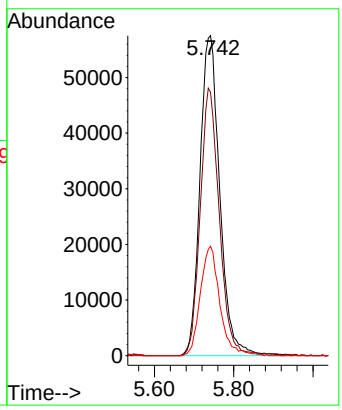
Tgt Ion: 53 Resp: 19949

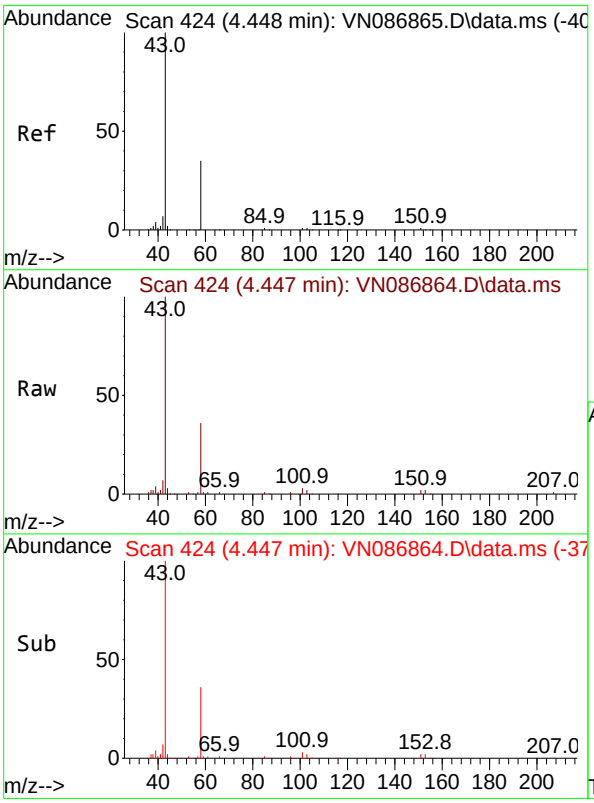
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	33.7	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Supervised By :Mahesh Dadoda 06/09/2025

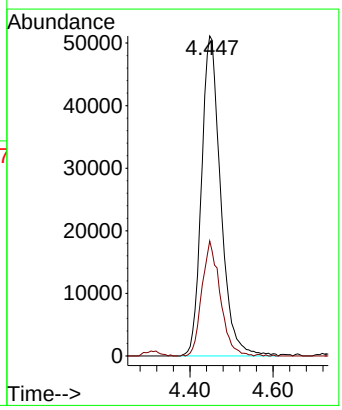


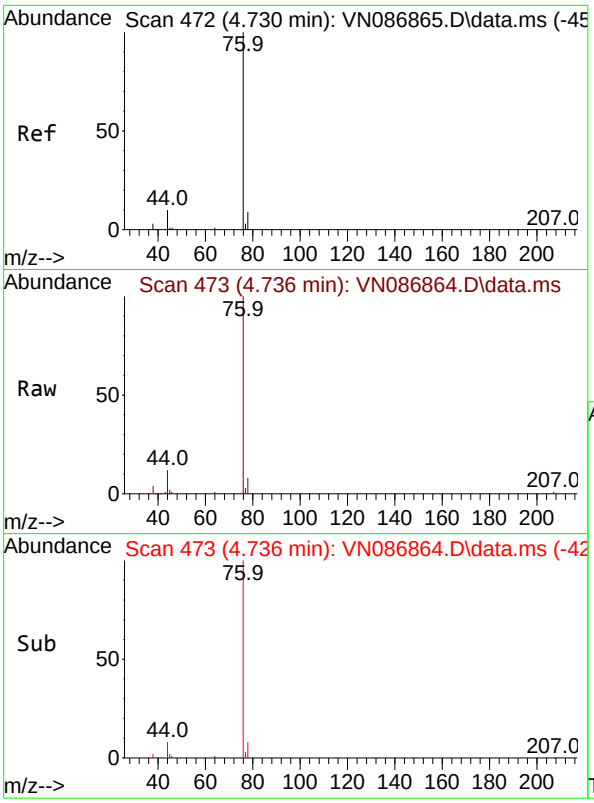


#16
Acetone
Concen: 103.099 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 163979

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0

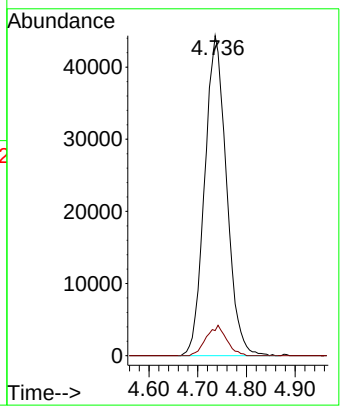




#17
Carbon Disulfide
Concen: 20.038 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 76 Resp: 13819

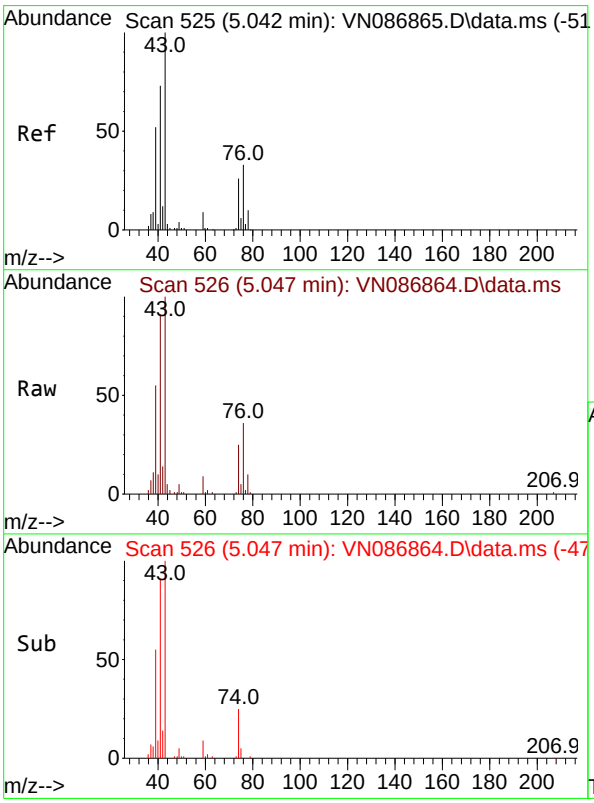
Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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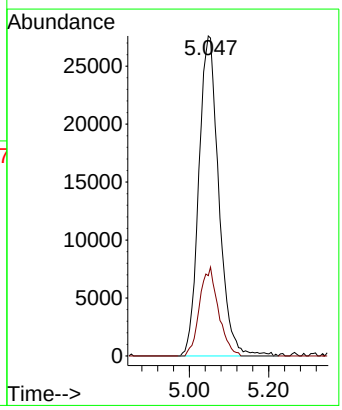
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

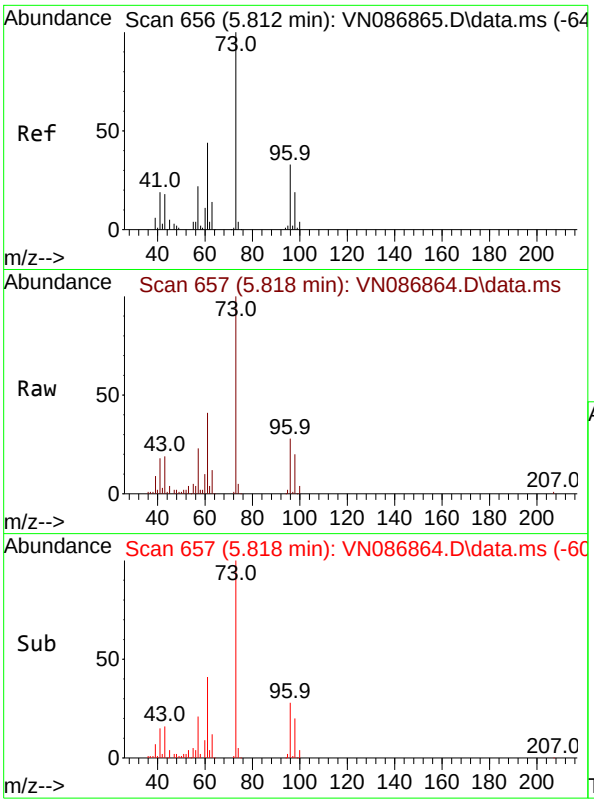


#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 96547

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.7	31.1

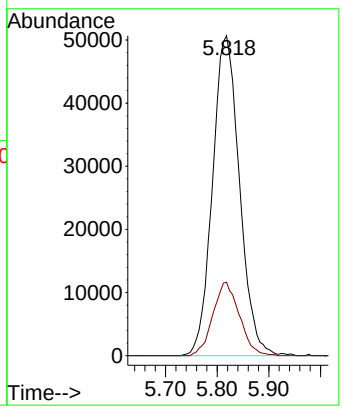




#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 73 Resp: 18378

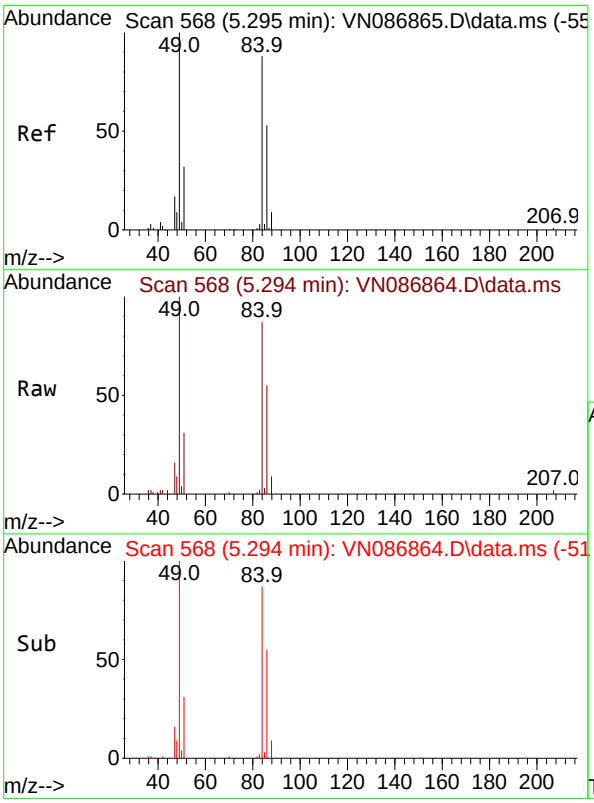
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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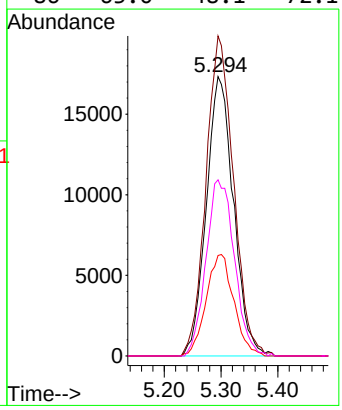
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

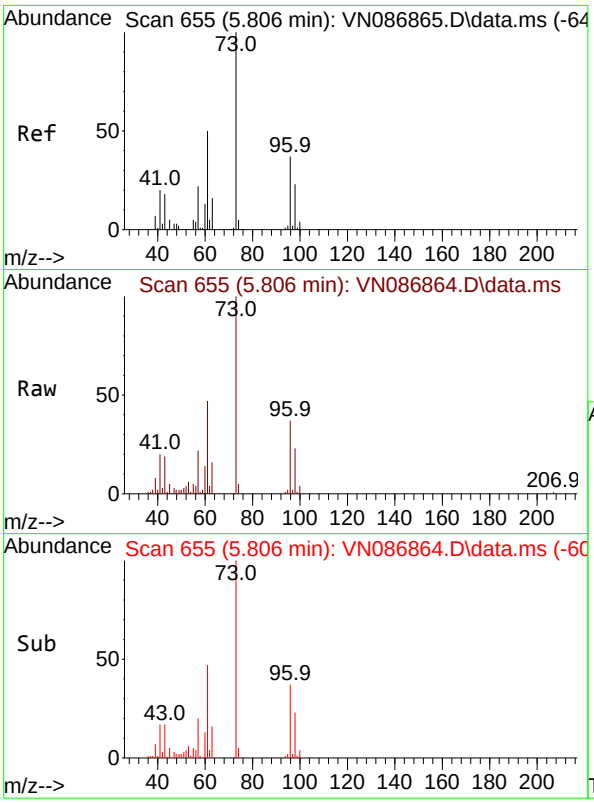


#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 84 Resp: 57611

Ion	Ratio	Lower	Upper
84	100		
49	114.5	90.5	135.7
51	35.9	28.5	42.7
86	63.0	48.1	72.1

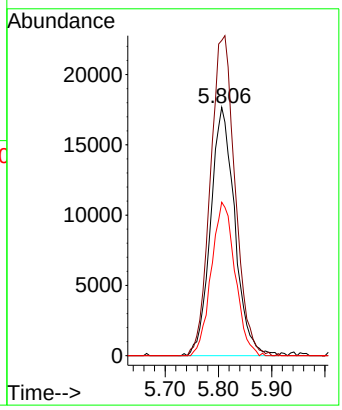




#21
trans-1,2-Dichloroethene
Concen: 20.059 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 5564

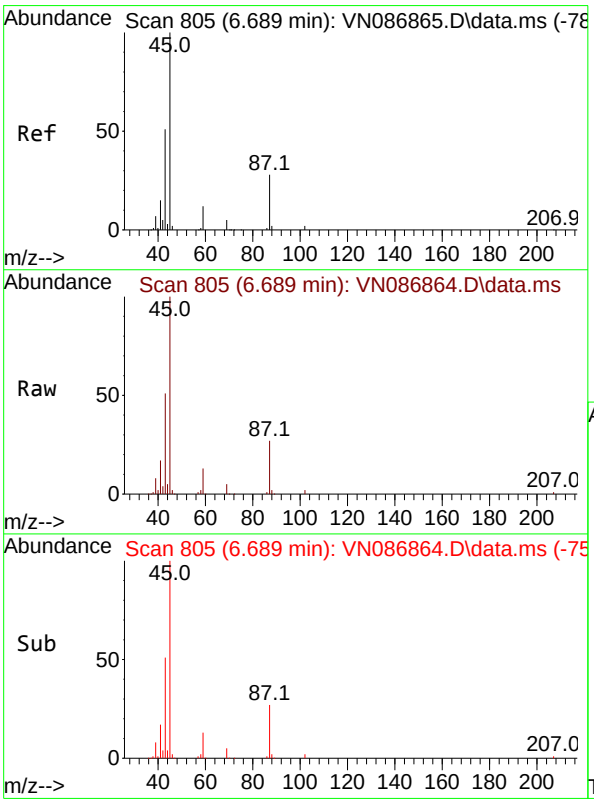
Ion	Ratio	Lower	Upper
96	100		
61	126.9	109.2	163.8
98	61.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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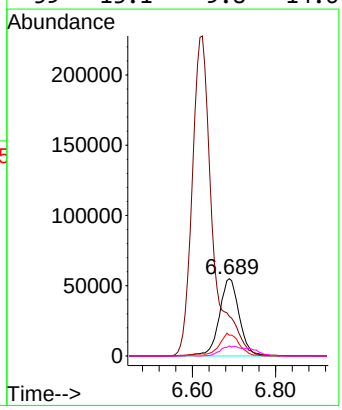
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

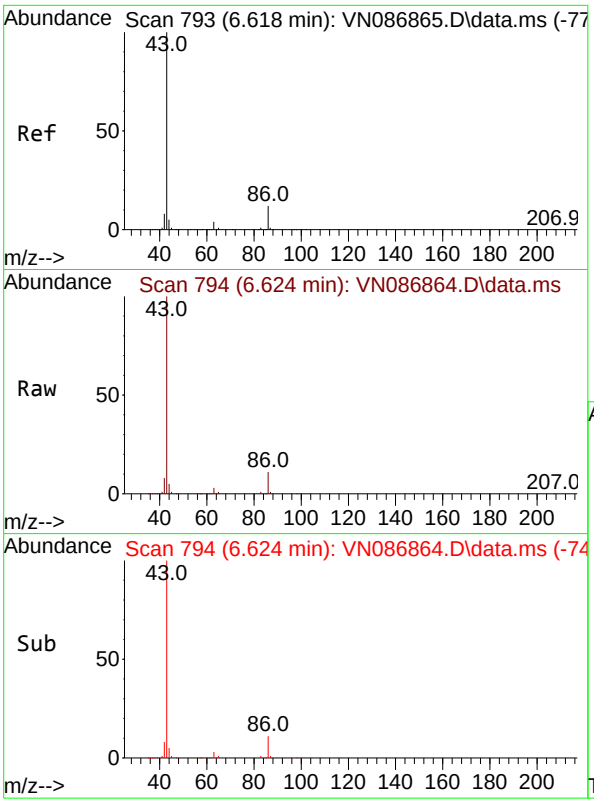


#22
Diisopropyl ether
Concen: 20.935 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 45 Resp: 182472

Ion	Ratio	Lower	Upper
45	100		
43	50.7	41.9	62.9
87	27.0	22.4	33.6
59	13.1	9.8	14.6

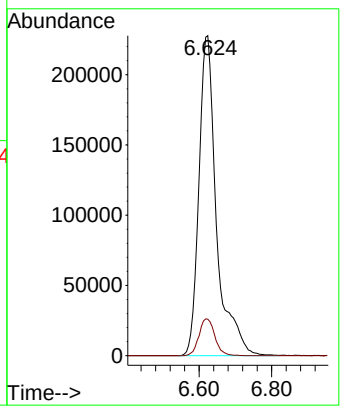




#23
Vinyl Acetate
Concen: 104.365 ug/l
RT: 6.624 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 76855

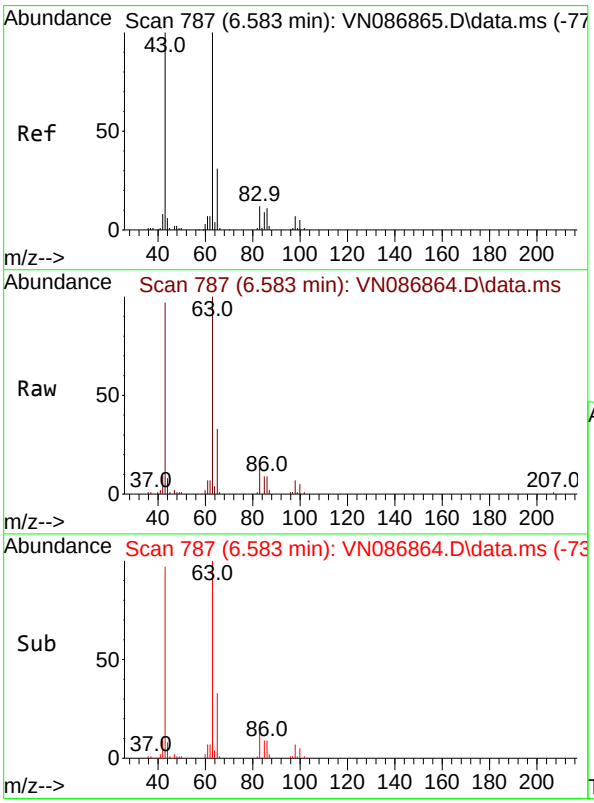
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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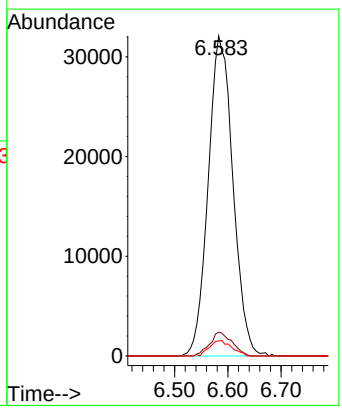
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

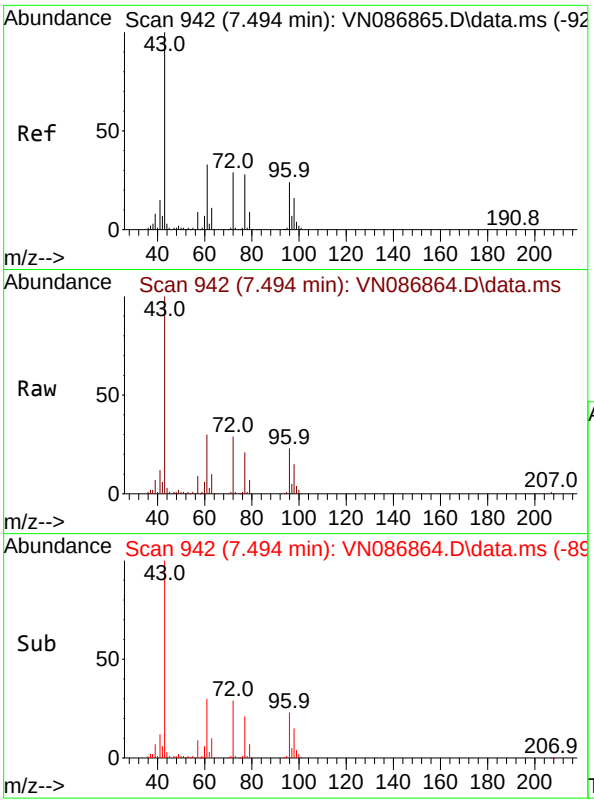


#24
1,1-Dichloroethane
Concen: 20.650 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 103578

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.7	2.6	7.8





#25
2-Butanone
Concen: 104.621 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

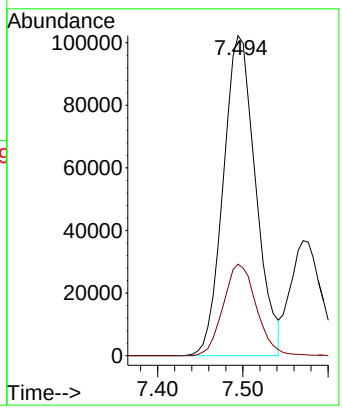
Tgt Ion: 43 Resp: 27047

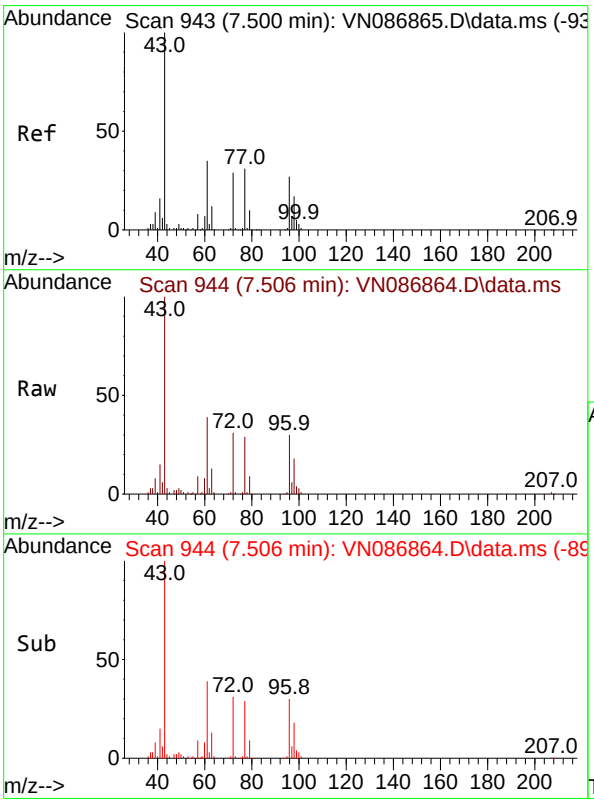
Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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

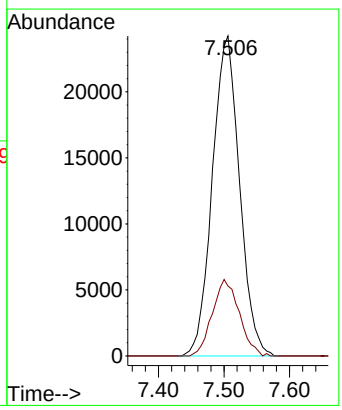


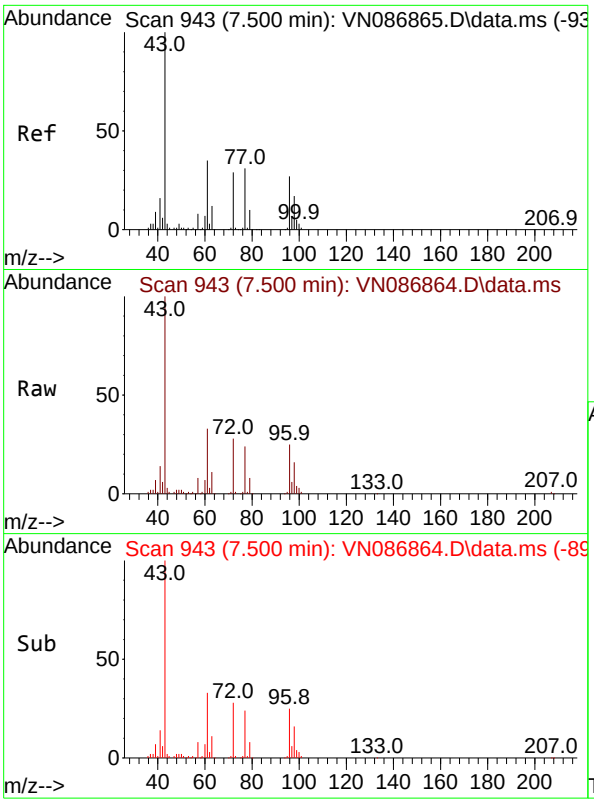


#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 77 Resp: 69692

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7

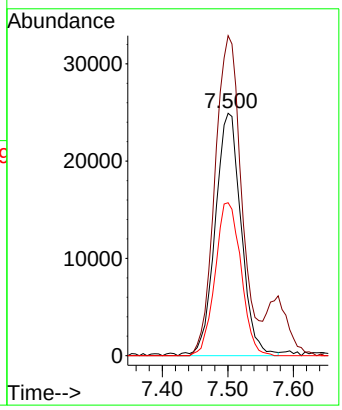




#27
cis-1,2-Dichloroethene
Concen: 20.585 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 6829

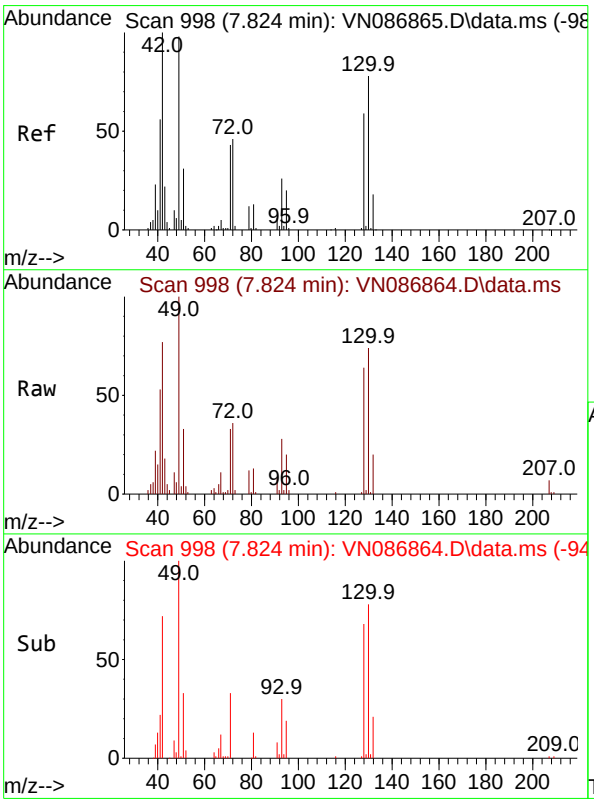
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.0
98	63.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

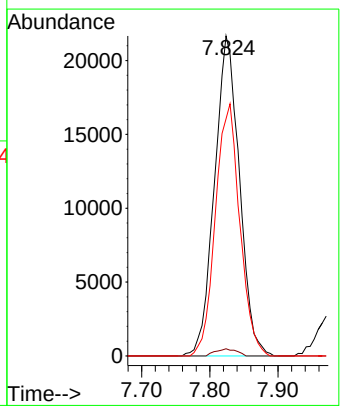
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

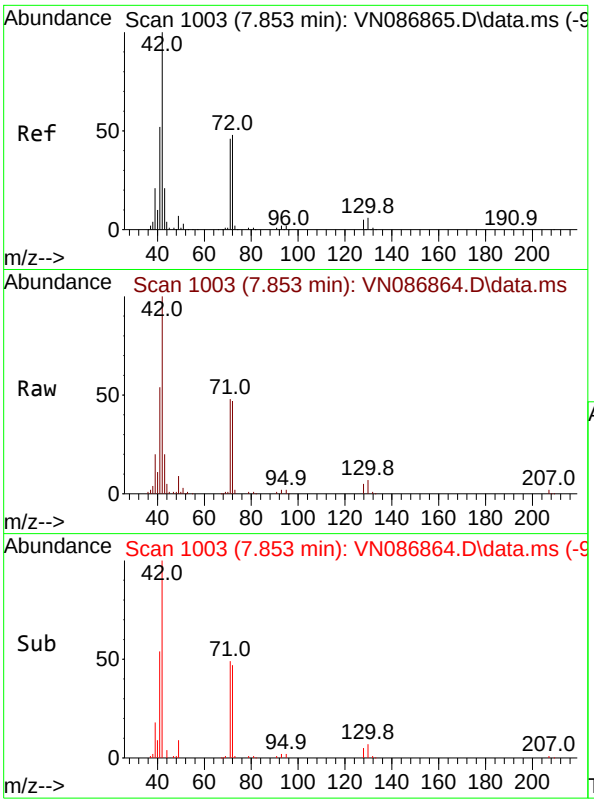


#28
Bromochloromethane
Concen: 22.381 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 49 Resp: 55196

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.1	62.2	93.2





#29
Tetrahydrofuran
Concen: 106.031 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

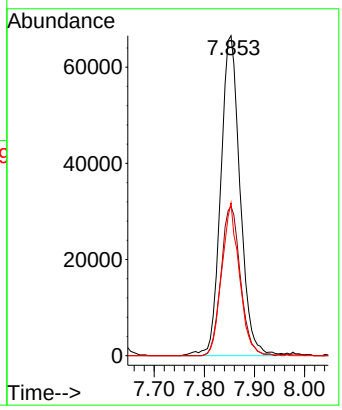
Tgt Ion: 42 Resp: 17857

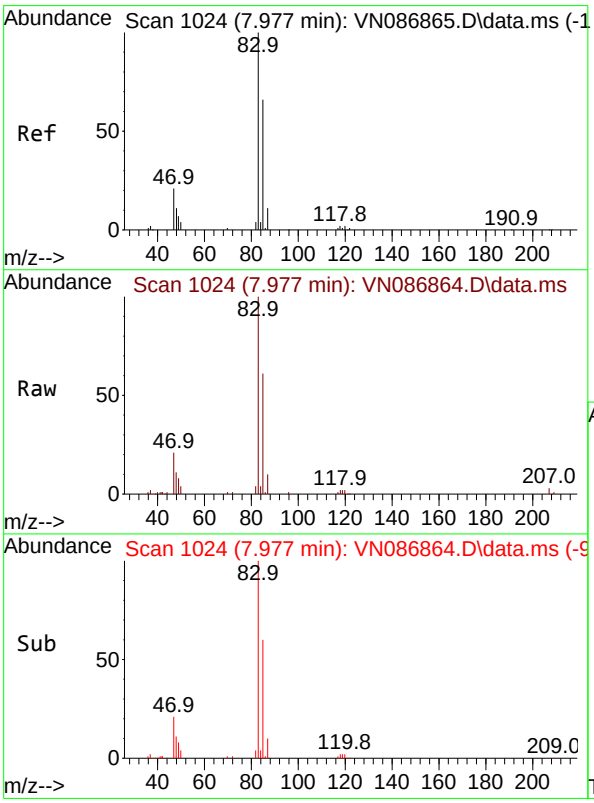
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.5	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

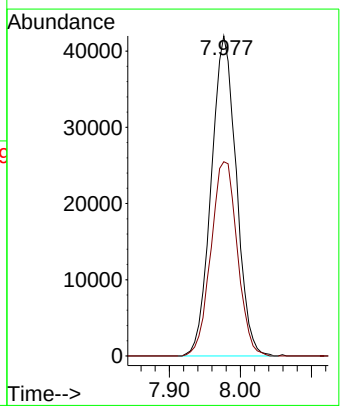


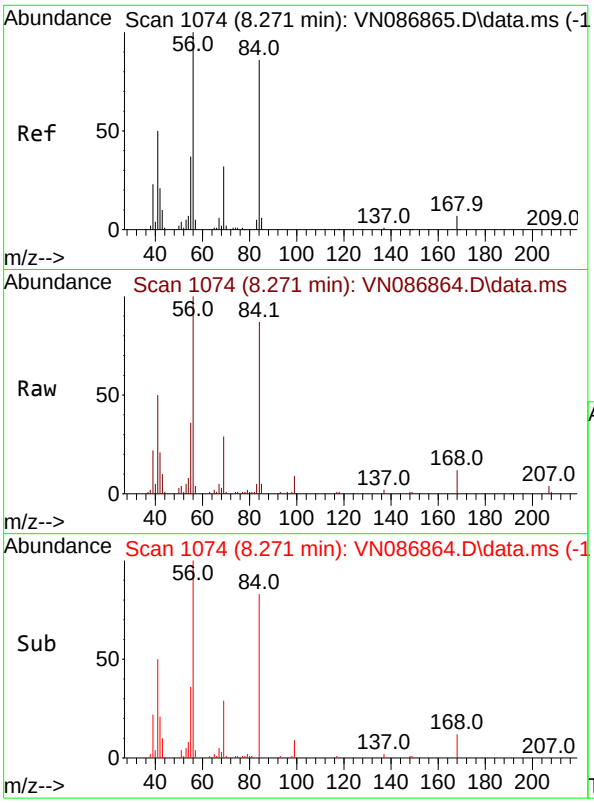


#30
Chloroform
Concen: 20.485 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 102615

Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.9	79.3

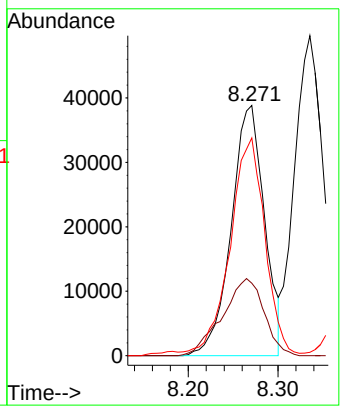




#31
Cyclohexane
Concen: 20.563 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 56 Resp: 10002

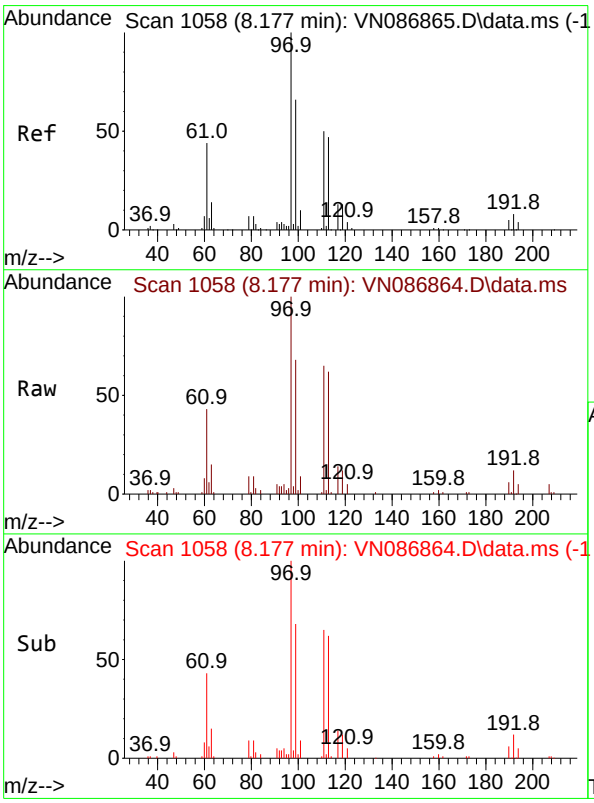
Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.0
84	85.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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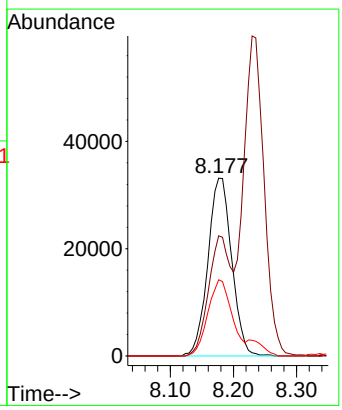
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

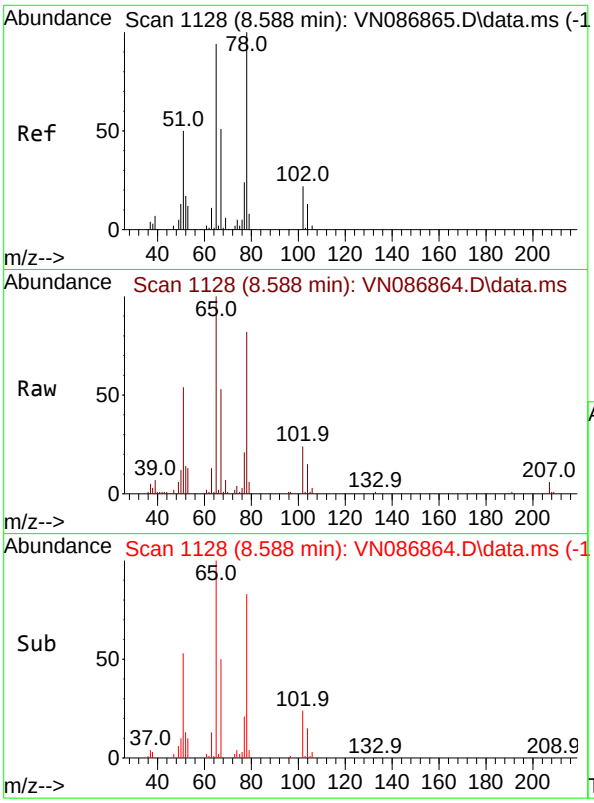


#32
1,1,1-Trichloroethane
Concen: 20.376 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 86810

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.3	35.9	53.9

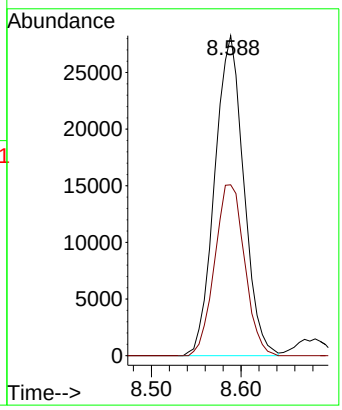




#33
1,2-Dichloroethane-d4
Concen: 21.136 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 65 Resp: 6339

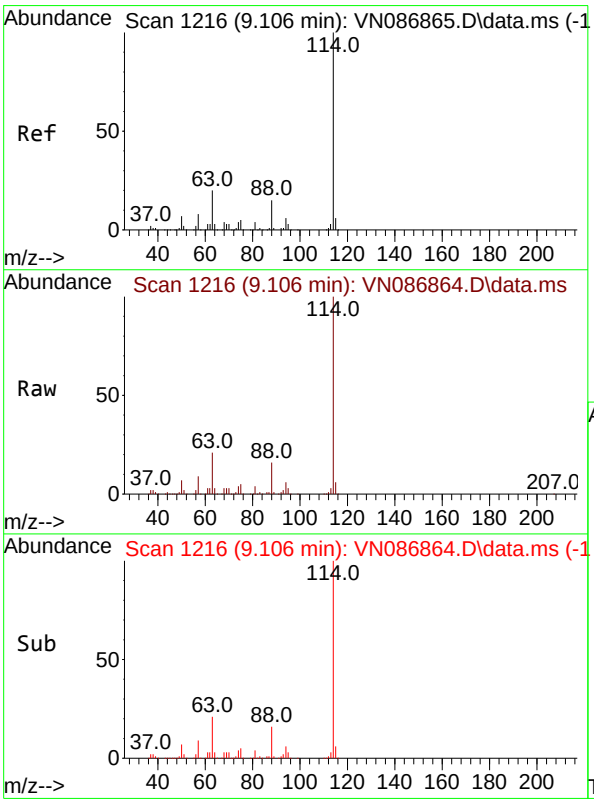
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

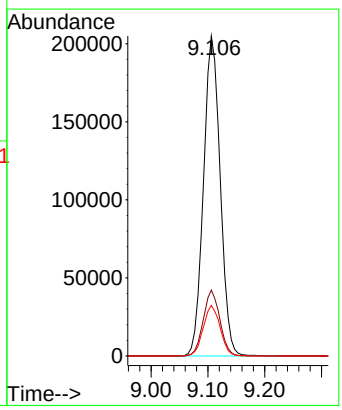
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

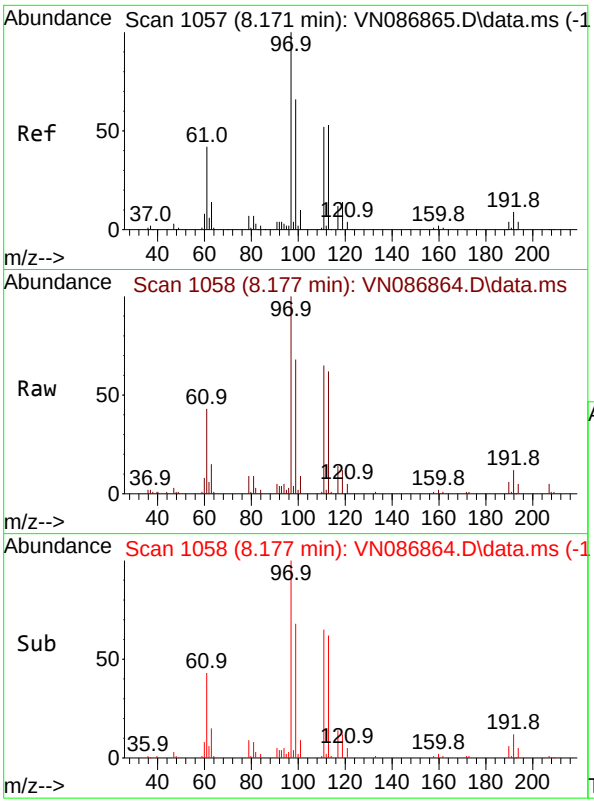


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:114 Resp: 418154

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.8	0.0	30.2

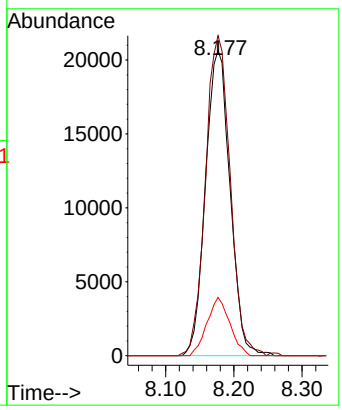




#35
Dibromofluoromethane
Concen: 20.902 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:113 Resp: 5179

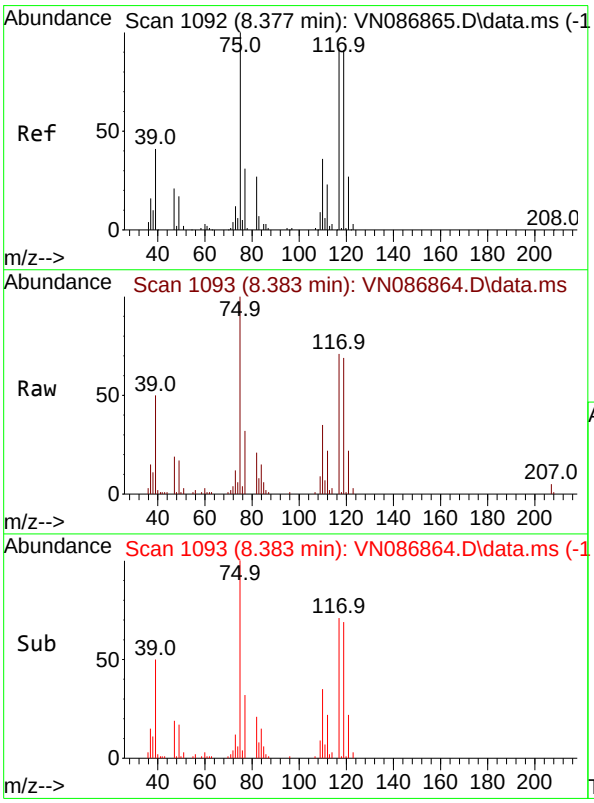
Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.2	126.2
192	17.7	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

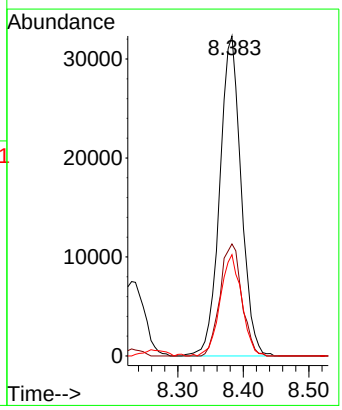
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

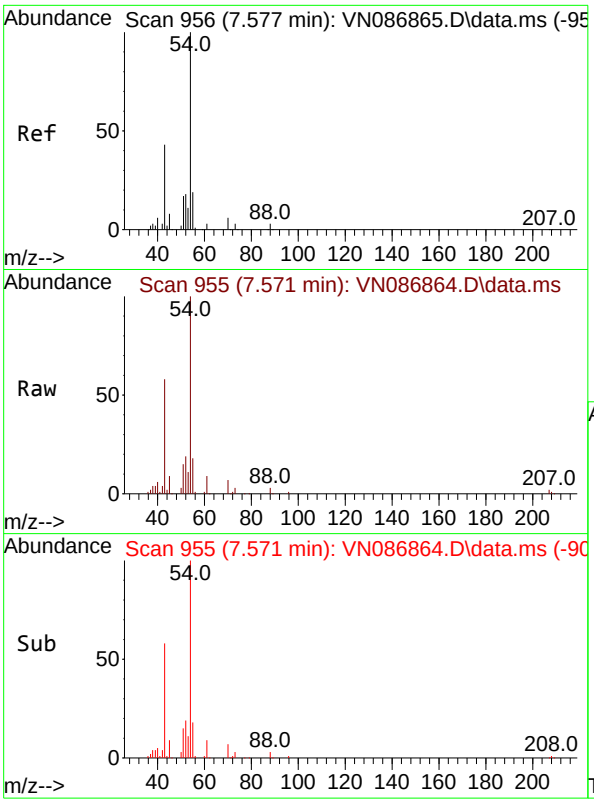


#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 73252

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.8	25.3	37.9

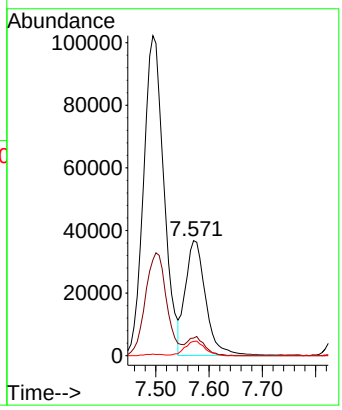




#37
Ethyl Acetate
Concen: 20.522 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 9646

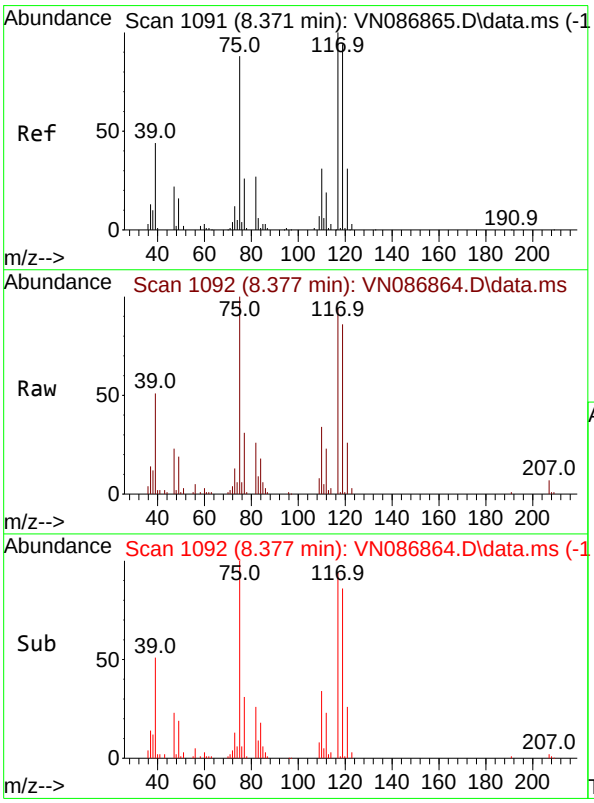
Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	12.6	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

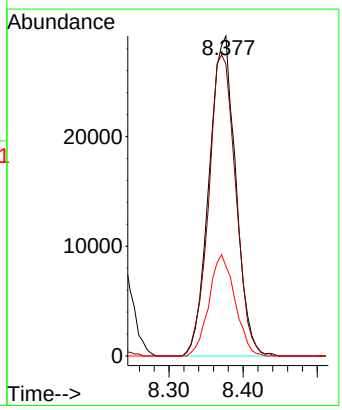
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

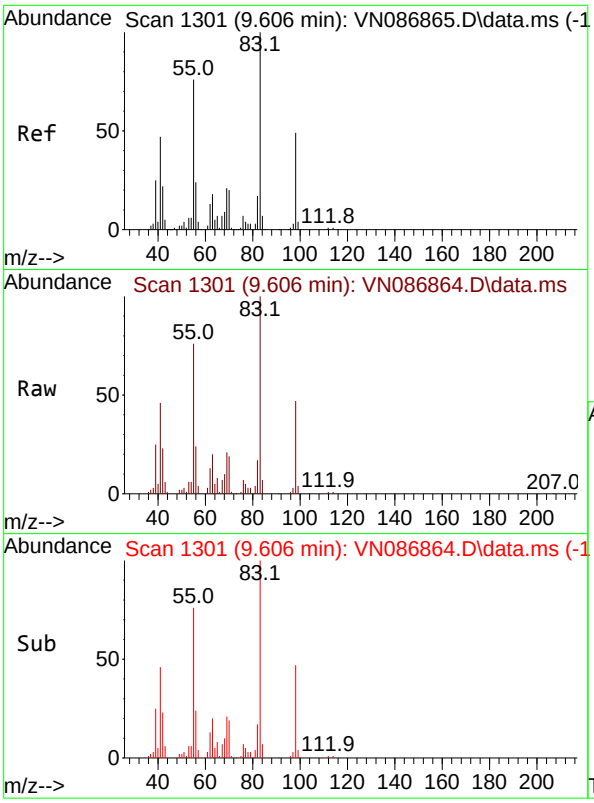


#38
Carbon Tetrachloride
Concen: 20.034 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 72628

Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.6
121	28.1	24.9	37.3

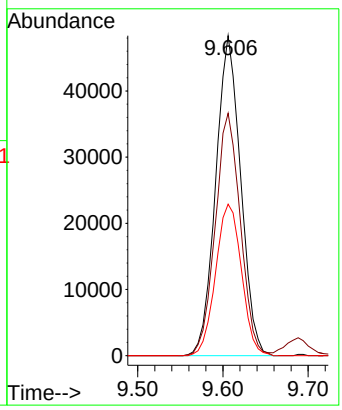




#39
Methylcyclohexane
Concen: 19.455 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 9842

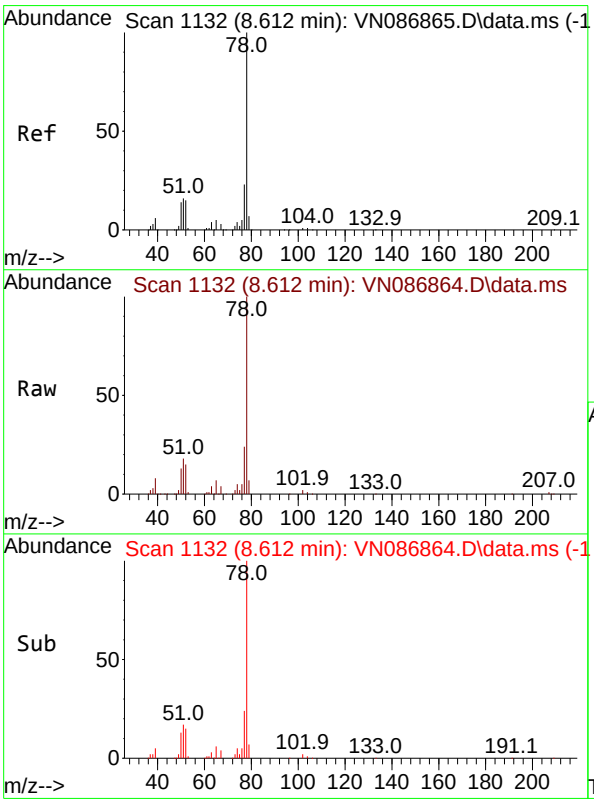
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	47.4	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

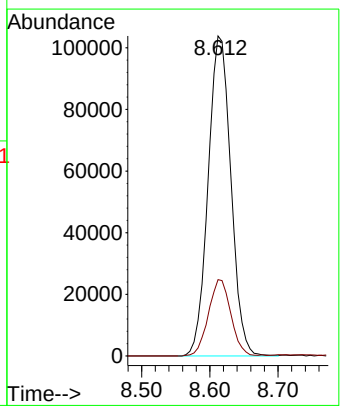
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

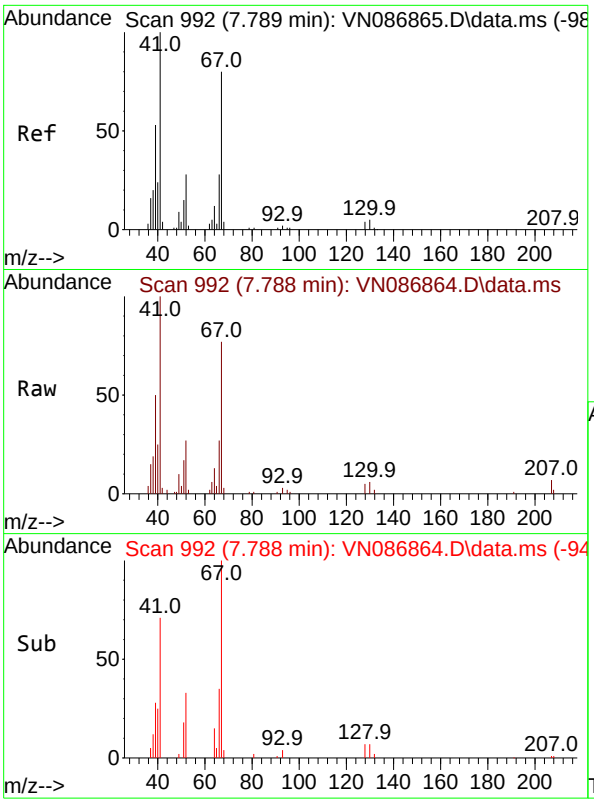


#40
Benzene
Concen: 19.996 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 78 Resp: 241444

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1

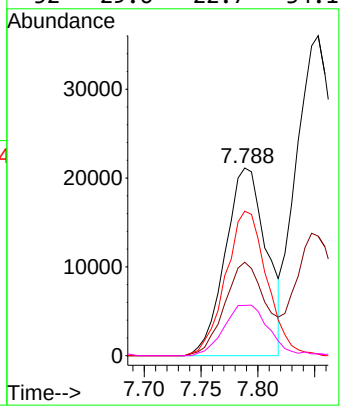




#41
Methacrylonitrile
Concen: 20.169 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 5324

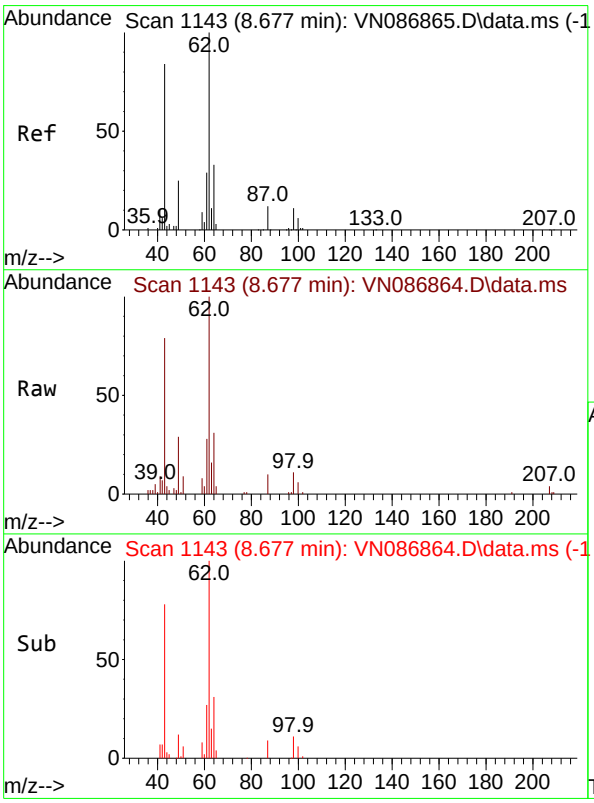
Ion	Ratio	Lower	Upper
41	100		
39	49.5	41.2	61.8
67	77.3	61.4	92.2
52	29.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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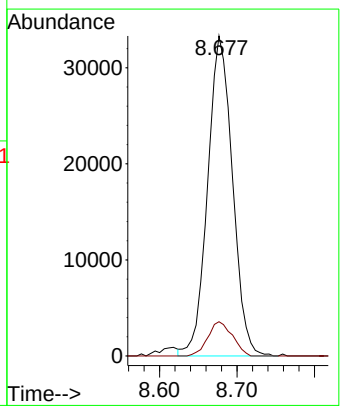
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

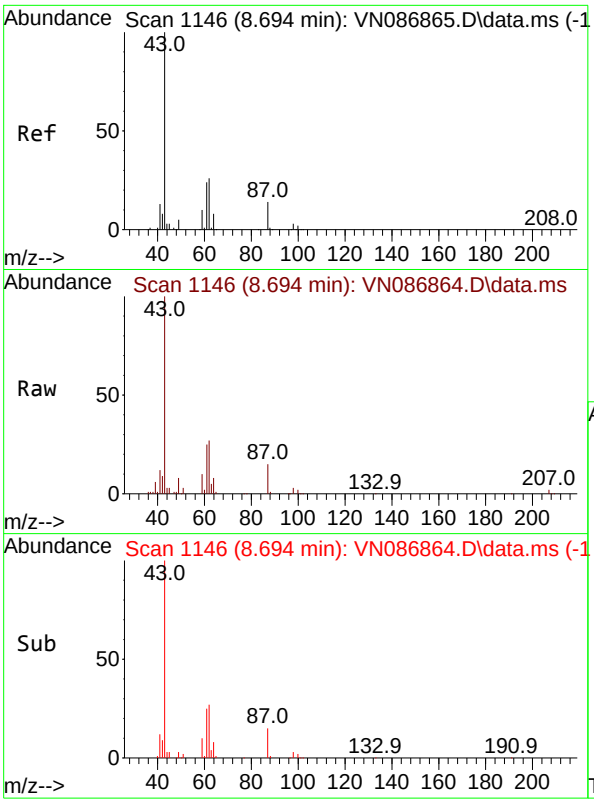


#42
1,2-Dichloroethane
Concen: 20.270 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 74238

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

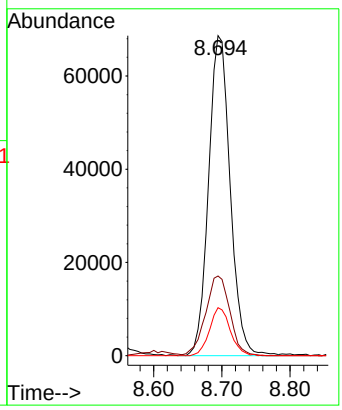
Tgt Ion: 43 Resp: 15160

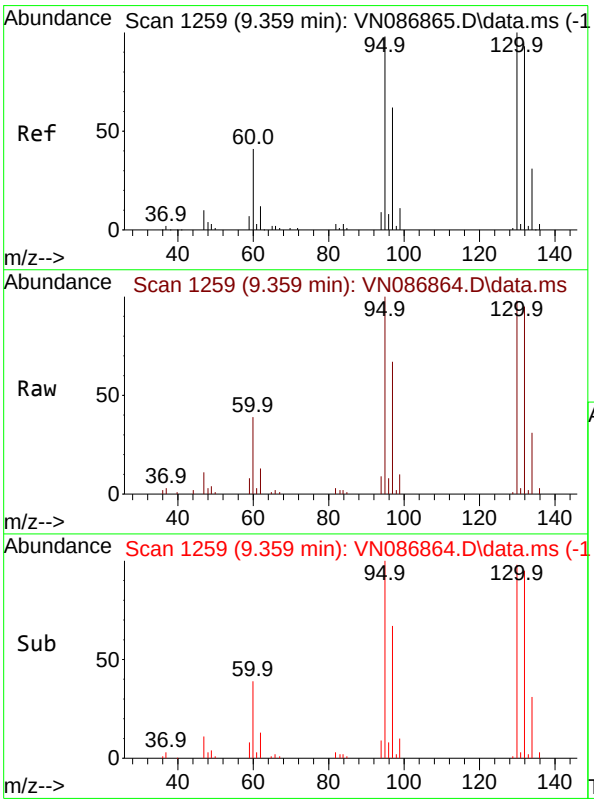
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.4	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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

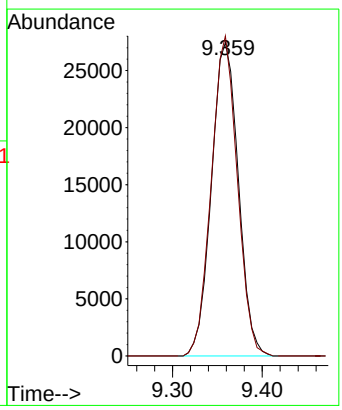


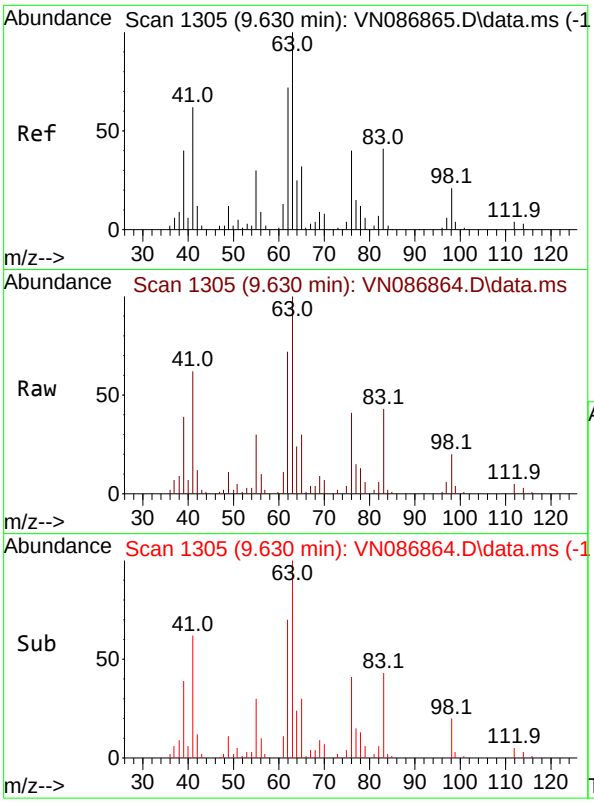


#44
Trichloroethene
Concen: 19.946 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:130 Resp: 57110

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	196.2

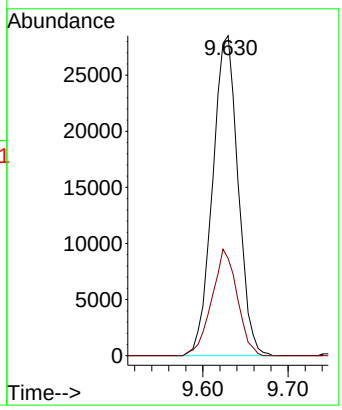




#45
1,2-Dichloropropane
Concen: 20.184 ug/l
RT: 9.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 5929

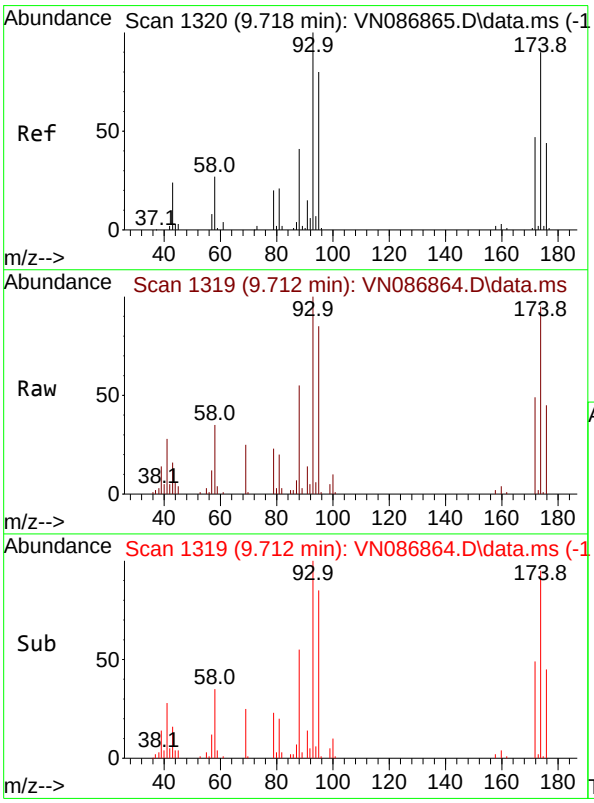
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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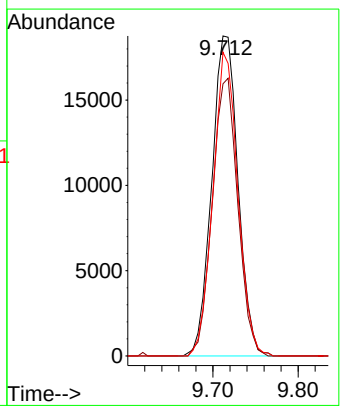
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

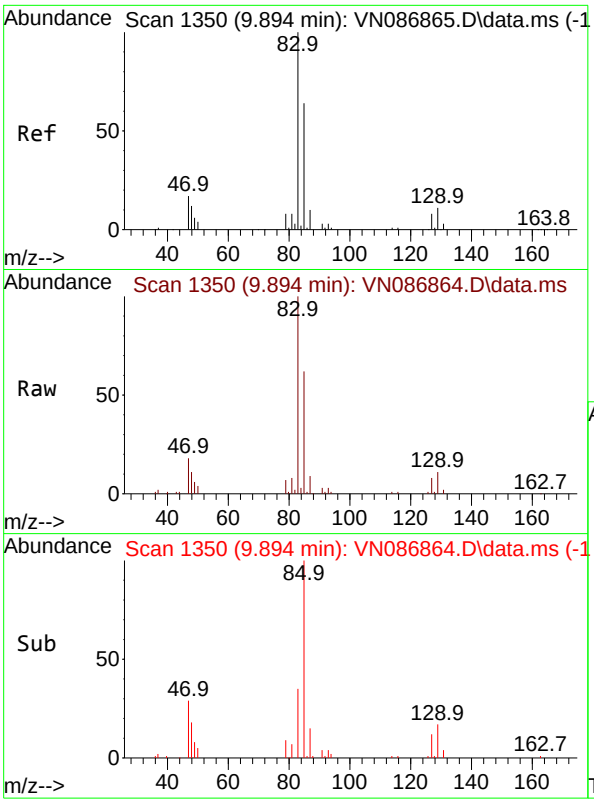


#46
Dibromomethane
Concen: 20.648 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 93 Resp: 40290

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.1	100.7
174	90.1	74.2	111.4

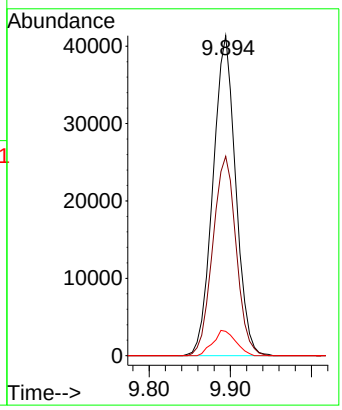




#47
Bromodichloromethane
Concen: 20.015 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 8035

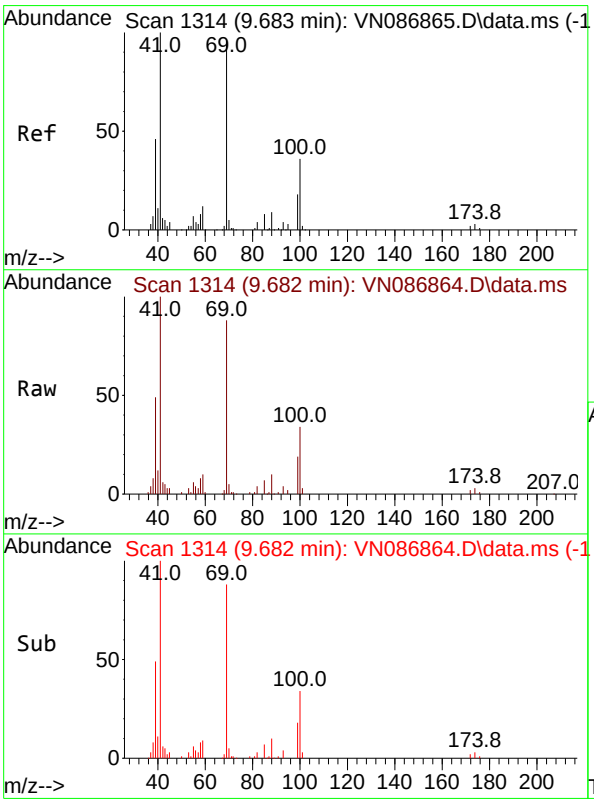
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	7.6	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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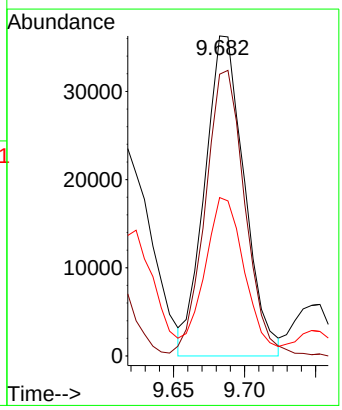
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

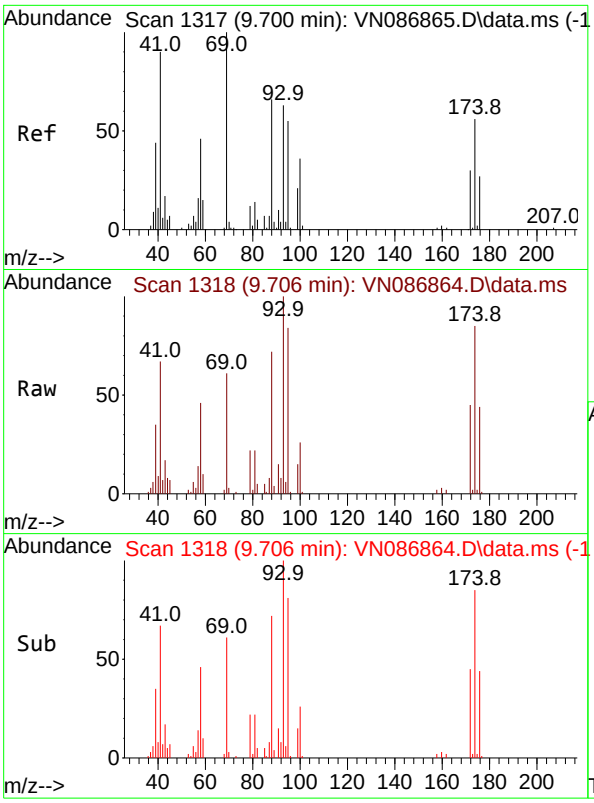


#48
Methyl methacrylate
Concen: 20.290 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 70457

Ion	Ratio	Lower	Upper
41	100		
69	89.4	74.6	112.0
39	50.3	40.2	60.4





#49
1,4-Dioxane
Concen: 446.886 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

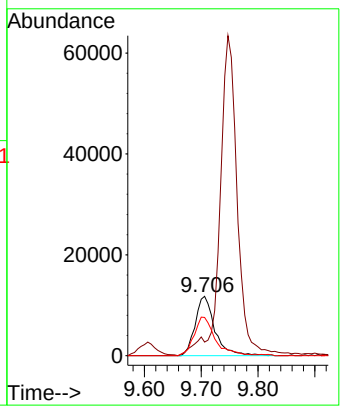
Tgt Ion: 88 Resp: 2823

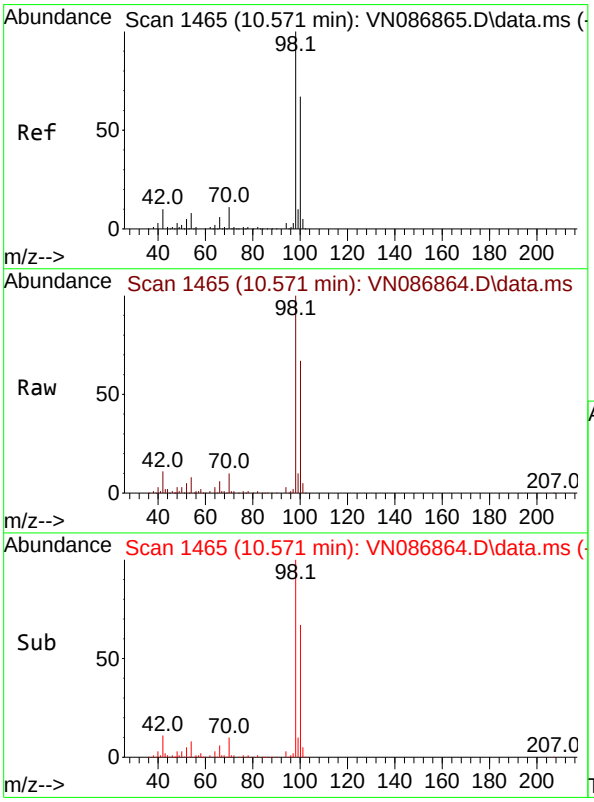
Ion	Ratio	Lower	Upper
88	100		
43	19.7	0.0	0.0
58	70.1	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

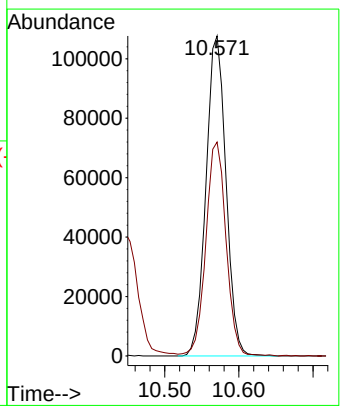


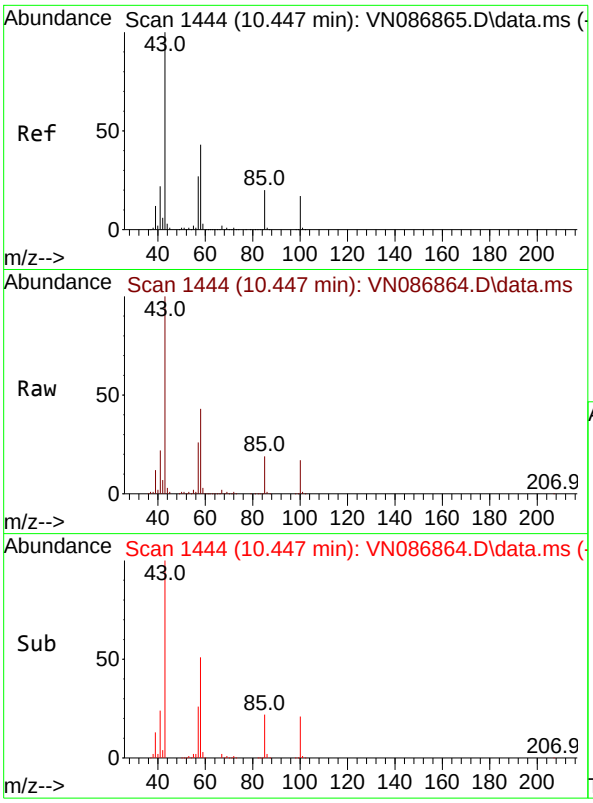


#50
Toluene-d8
Concen: 20.516 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 98 Resp: 201268

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.0

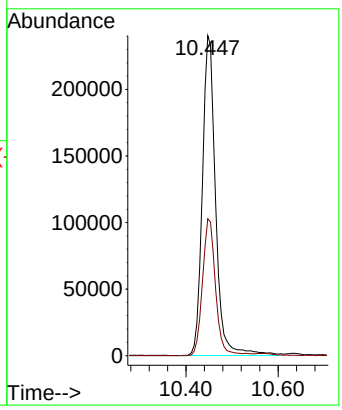




#51
4-Methyl-2-Pentanone
Concen: 106.066 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 48174

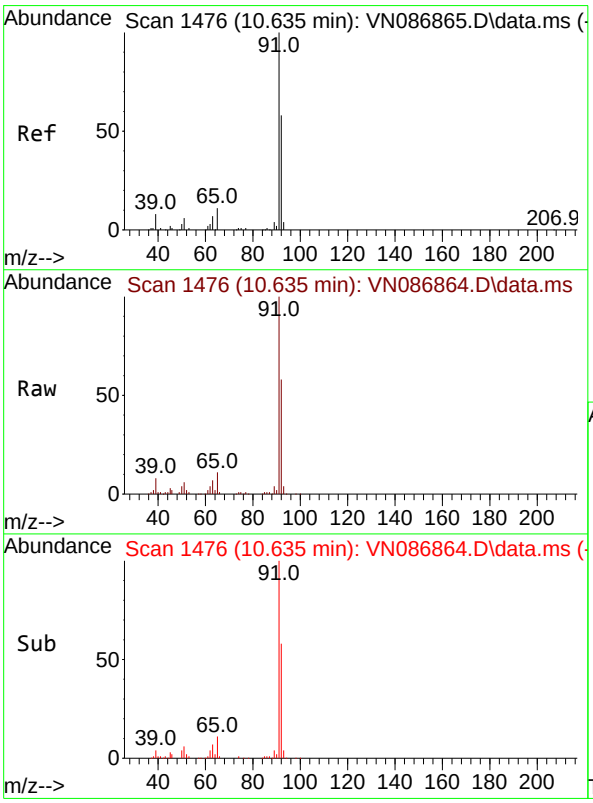
Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

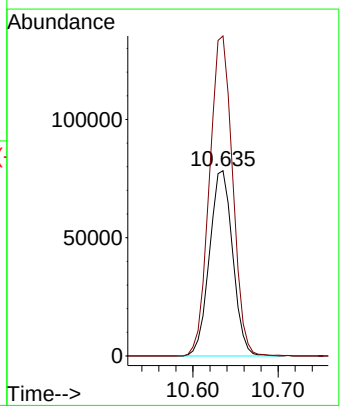
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

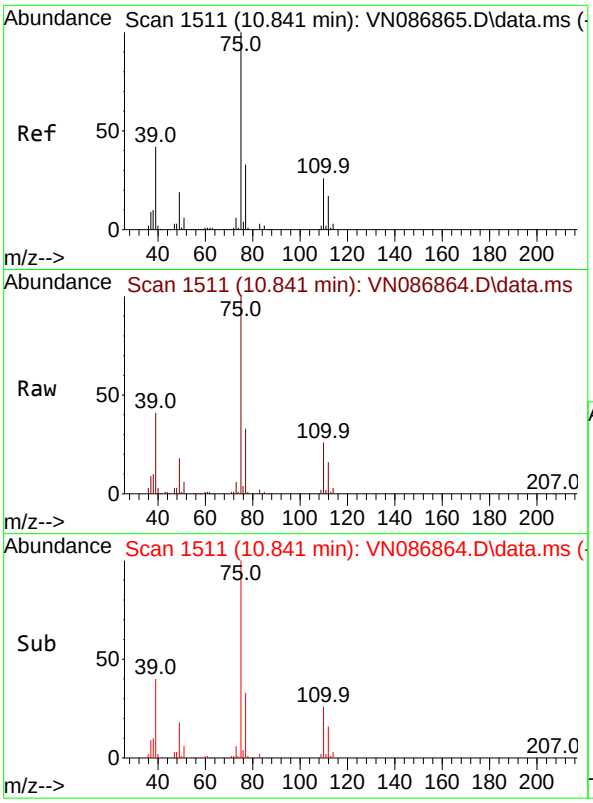


#52
Toluene
Concen: 20.056 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 92 Resp: 148000

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.5	204.7

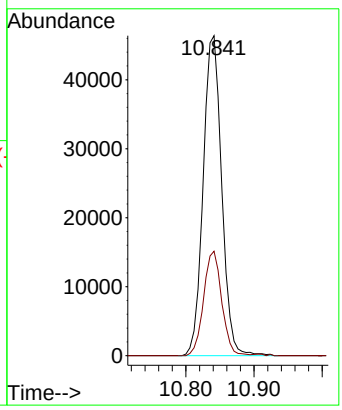




#53
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 8768

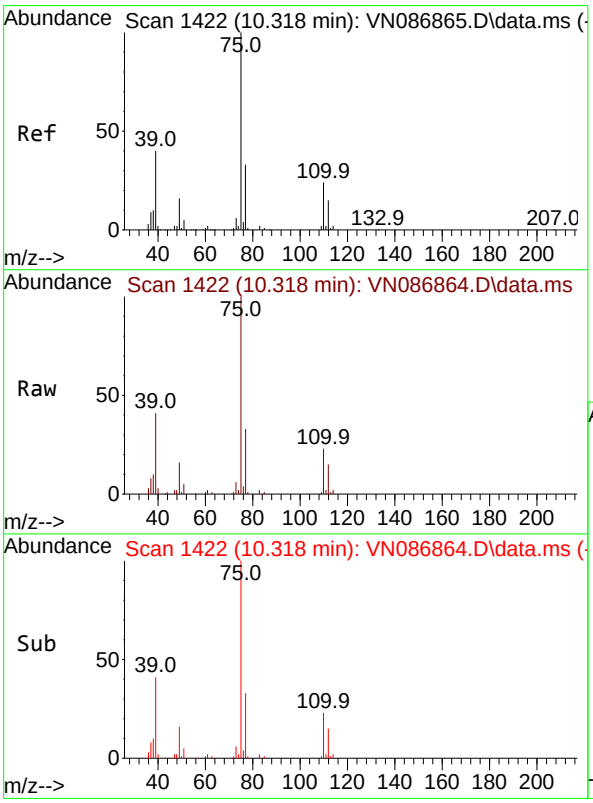
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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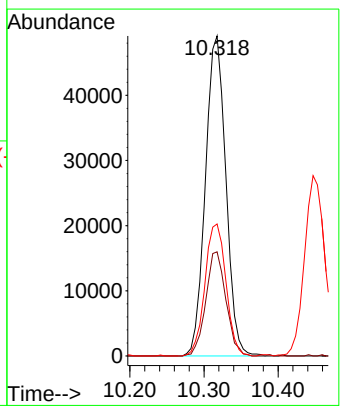
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

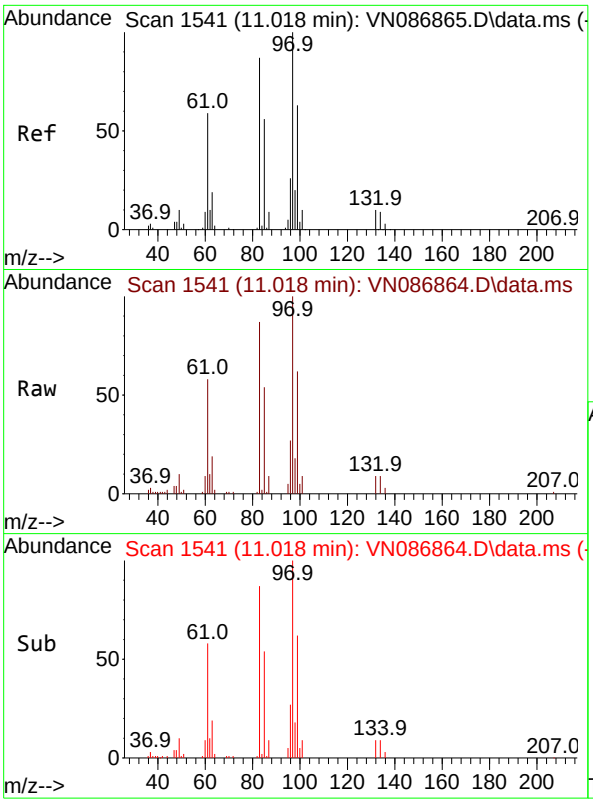


#54
cis-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 94315

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
39	41.3	32.3	48.5

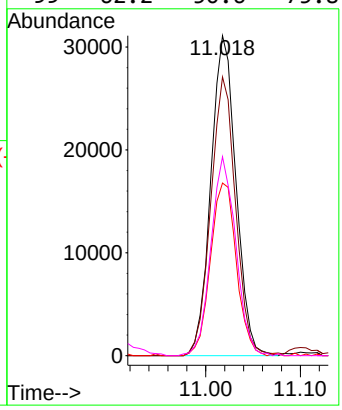




#55
1,1,2-Trichloroethane
Concen: 20.143 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 5719

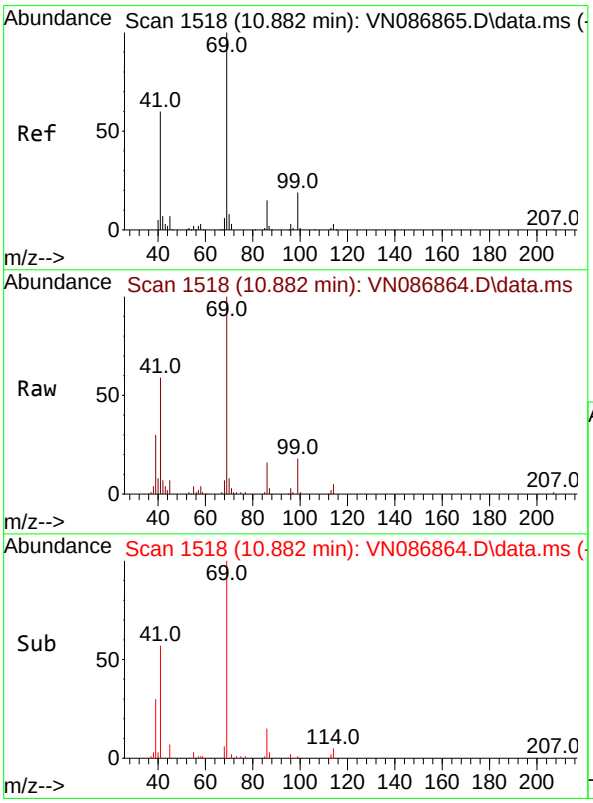
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	54.0	45.1	67.7
99	62.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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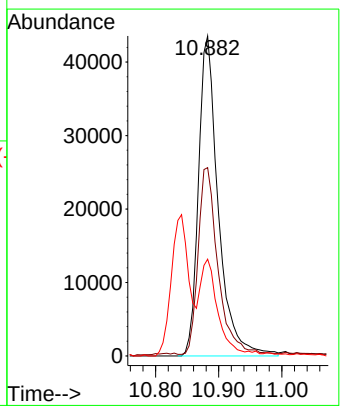
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

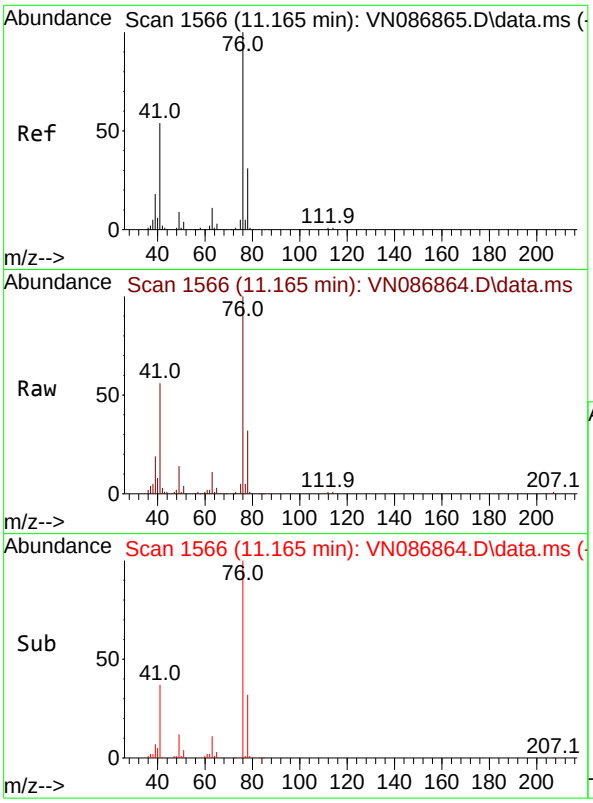


#56
Ethyl methacrylate
Concen: 20.968 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 69 Resp: 94829

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.2	70.8
39	25.9	23.0	34.6

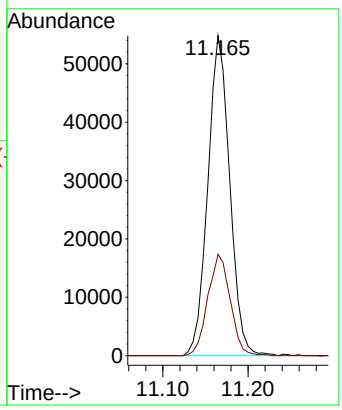




#57
1,3-Dichloropropane
Concen: 19.938 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 76 Resp: 9820

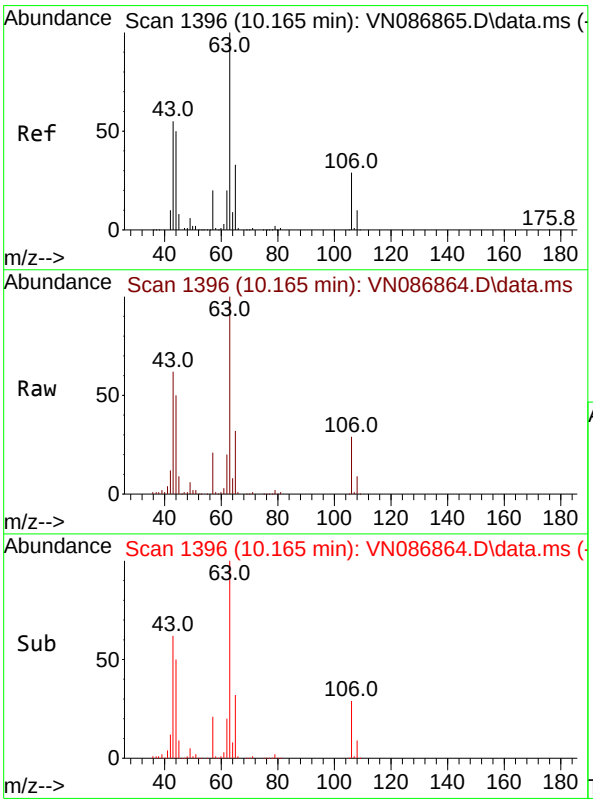
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

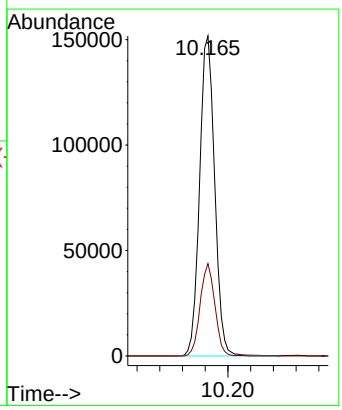
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

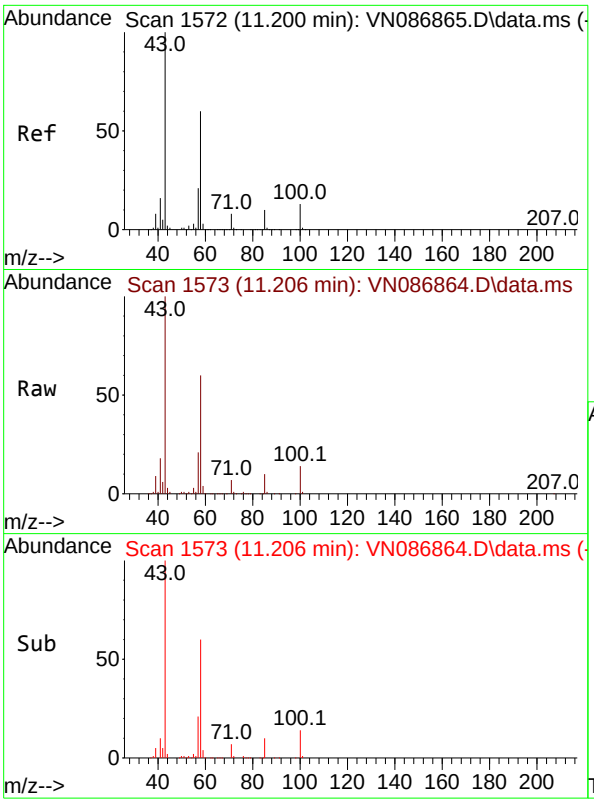


#58
2-Chloroethyl Vinyl ether
Concen: 103.426 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 278986

Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.0	34.6

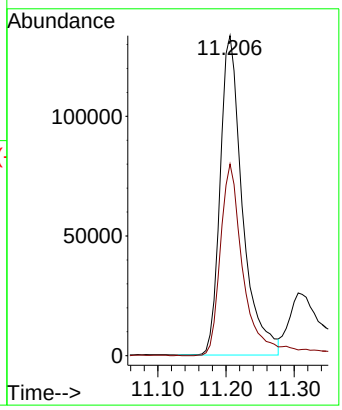




#59
2-Hexanone
Concen: 103.803 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 30368

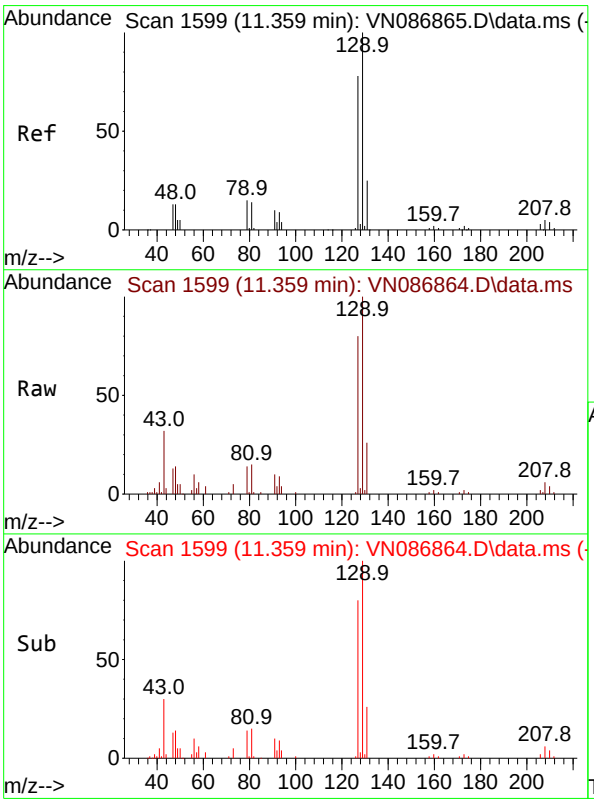
Ion	Ratio	Lower	Upper
43	100		
58	64.8	30.4	91.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

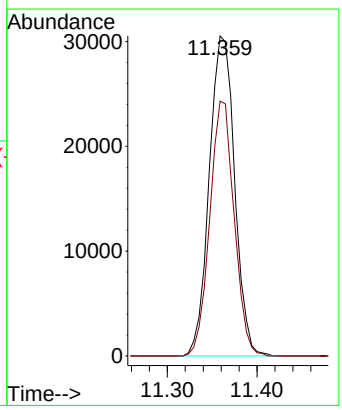
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

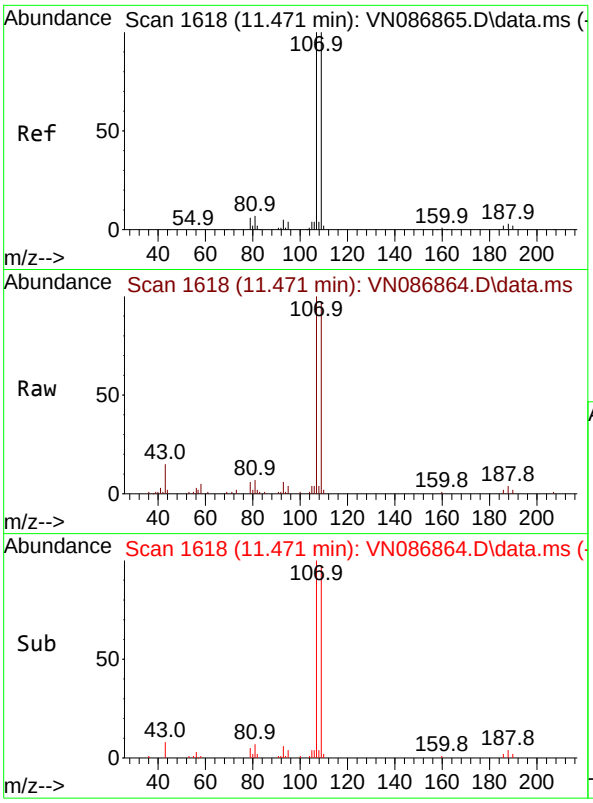


#60
Dibromochloromethane
Concen: 20.268 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:129 Resp: 59961

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8

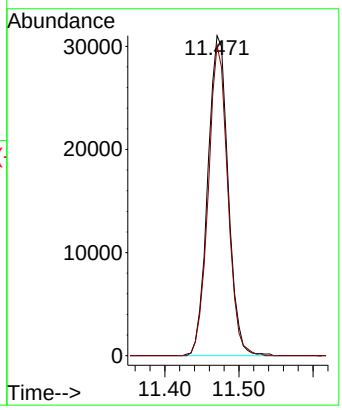




#61
1,2-Dibromoethane
Concen: 20.320 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:107 Resp: 5913

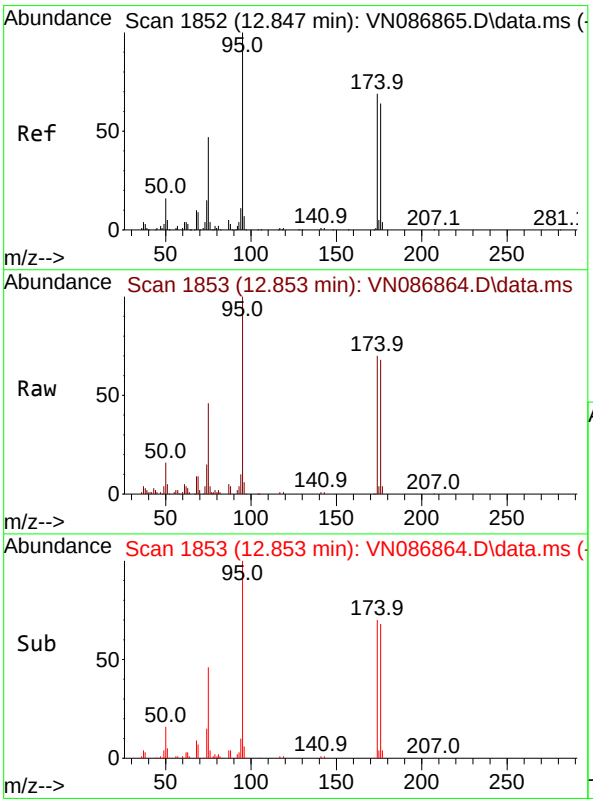
Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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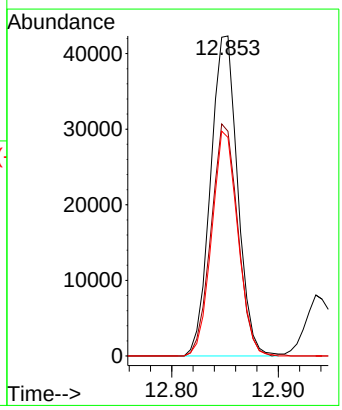
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

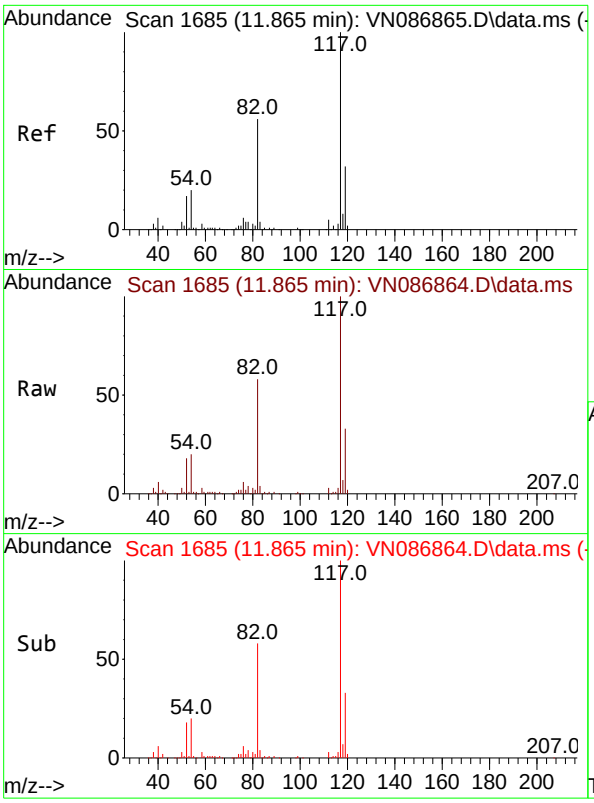


#62
4-Bromofluorobenzene
Concen: 20.474 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 95 Resp: 74622

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	68.0	0.0	132.6

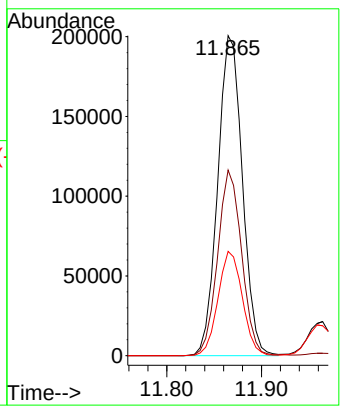




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 36317

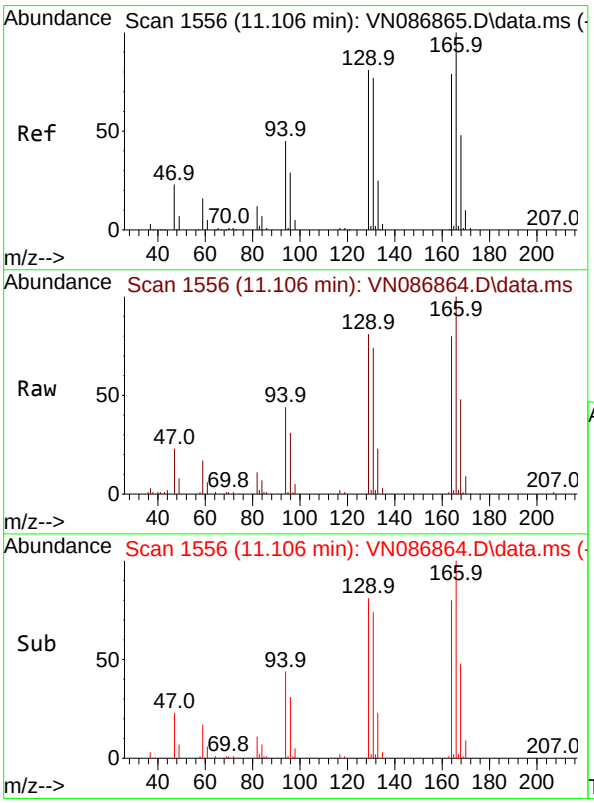
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	32.6	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

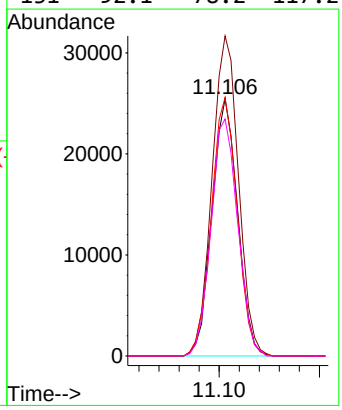
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

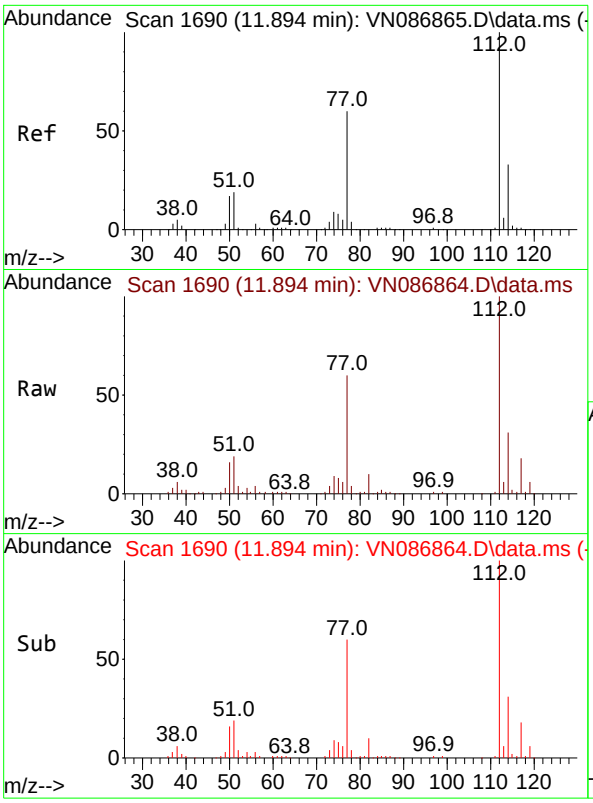


#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:164 Resp: 45374

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.8	152.8
129	100.4	83.0	124.4
131	92.1	78.2	117.2





#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

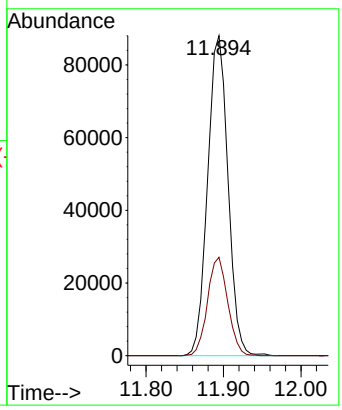
Tgt Ion:112 Resp: 16080

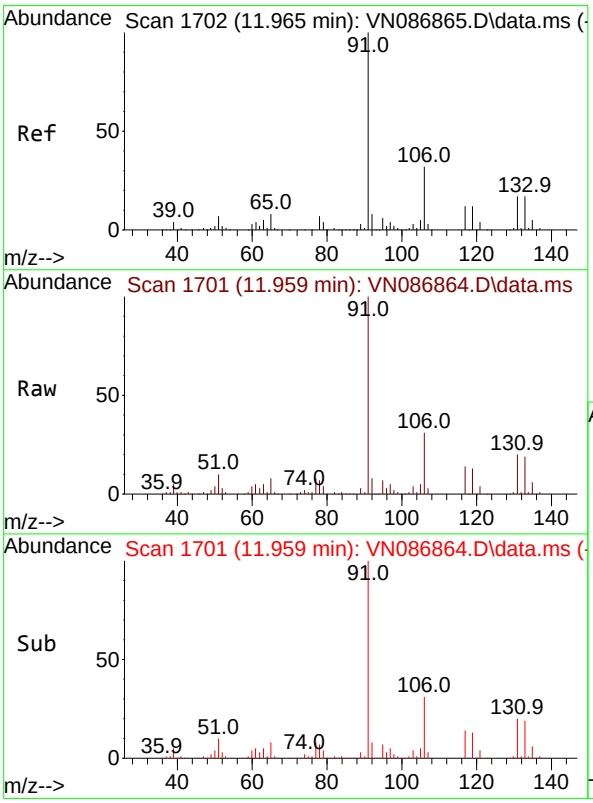
Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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

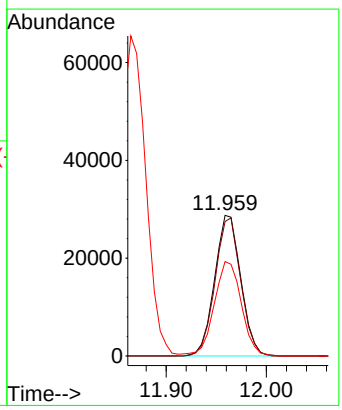


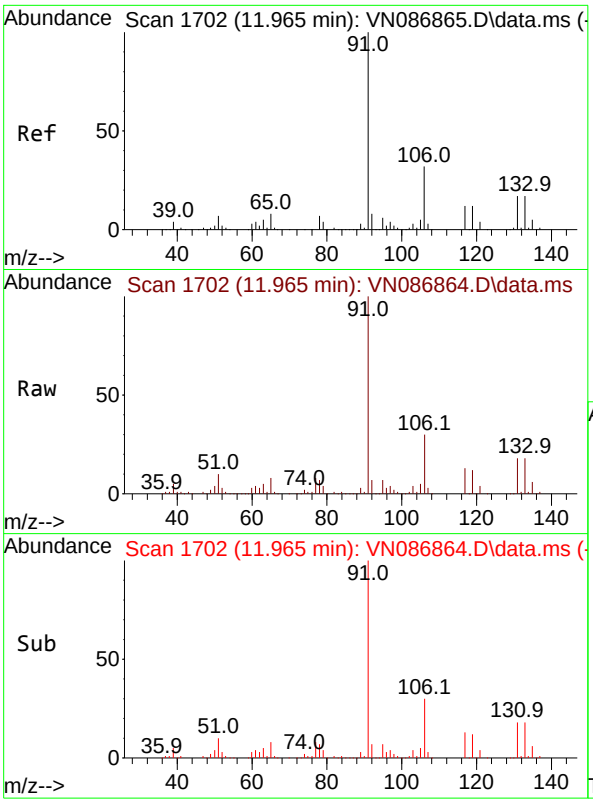


#66
1,1,1,2-Tetrachloroethane
Concen: 20.223 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:131 Resp: 52069

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	69.6	34.0	101.8





#67
Ethyl Benzene
Concen: 20.083 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

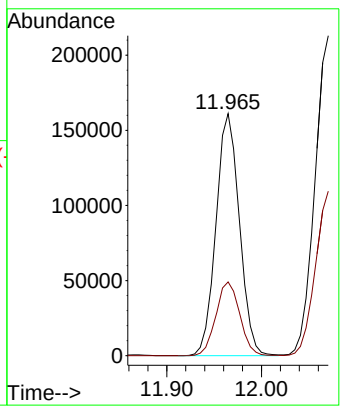
Tgt Ion: 91 Resp: 27708

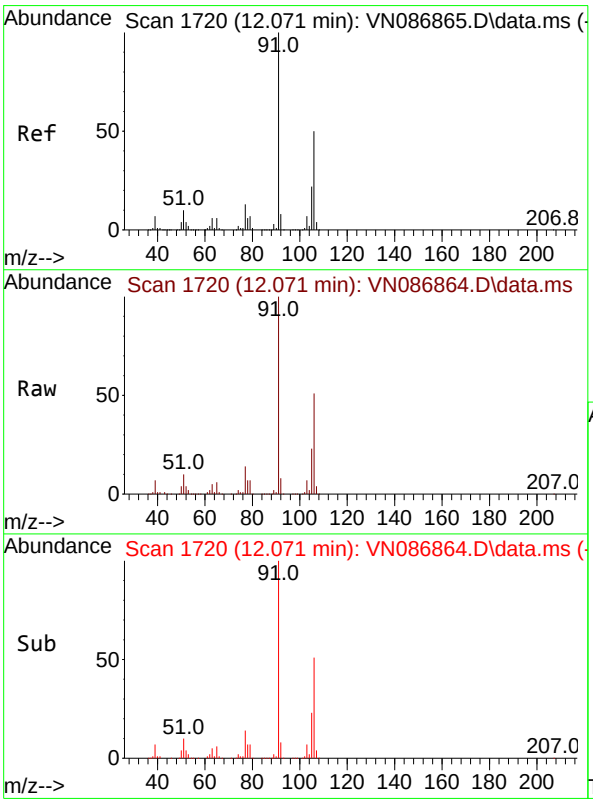
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 06/09/2025
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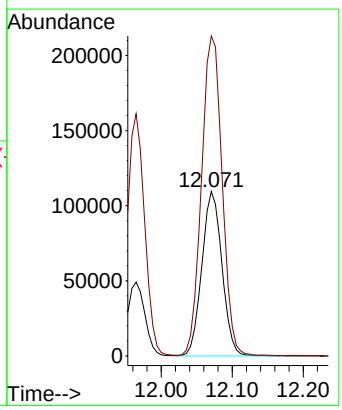


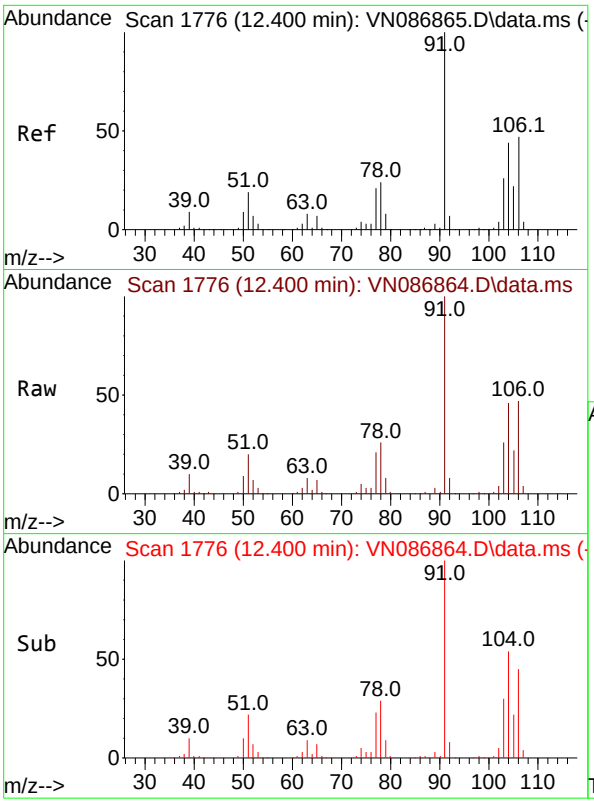


#68
m/p-Xylenes
Concen: 40.780 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:106 Resp: 215378

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.4	239.0

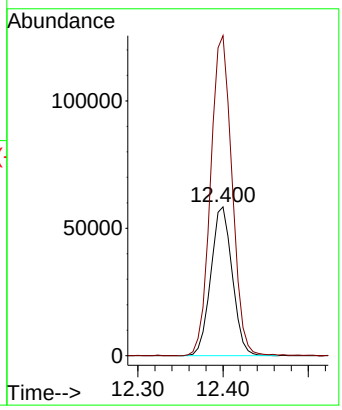




#69
o-Xylene
Concen: 20.175 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:106 Resp: 10205

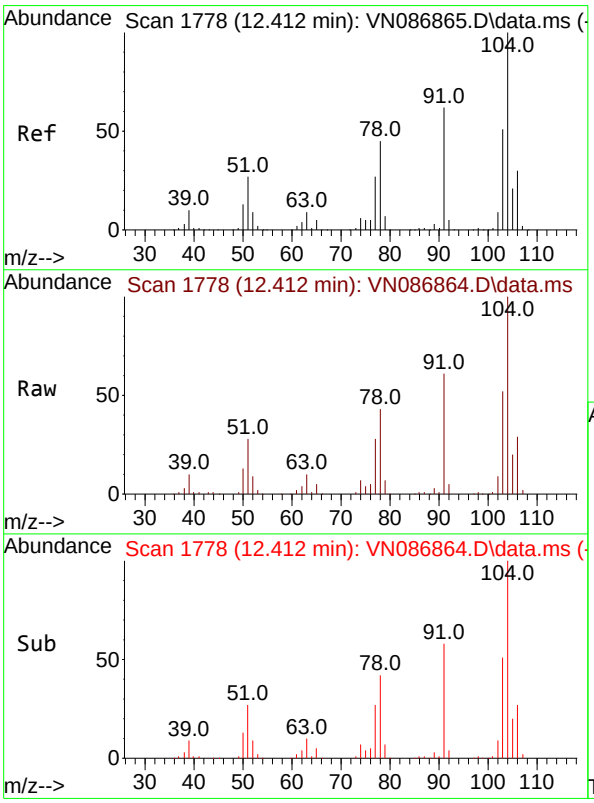
Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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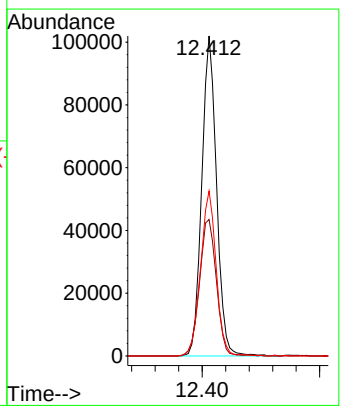
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

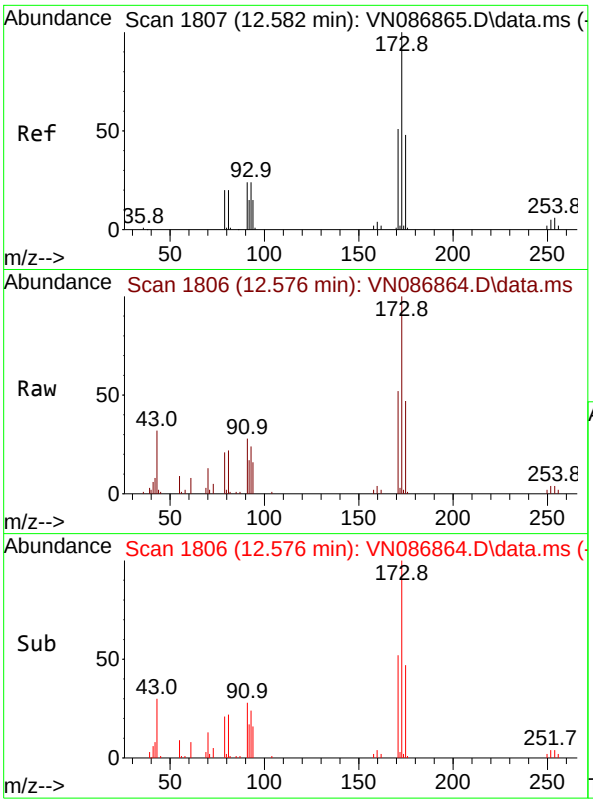


#70
Styrene
Concen: 20.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:104 Resp: 178061

Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.4	43.1	64.7

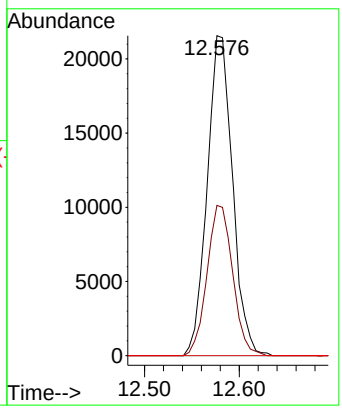




#71
Bromoform
Concen: 21.004 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:173 Resp: 4007

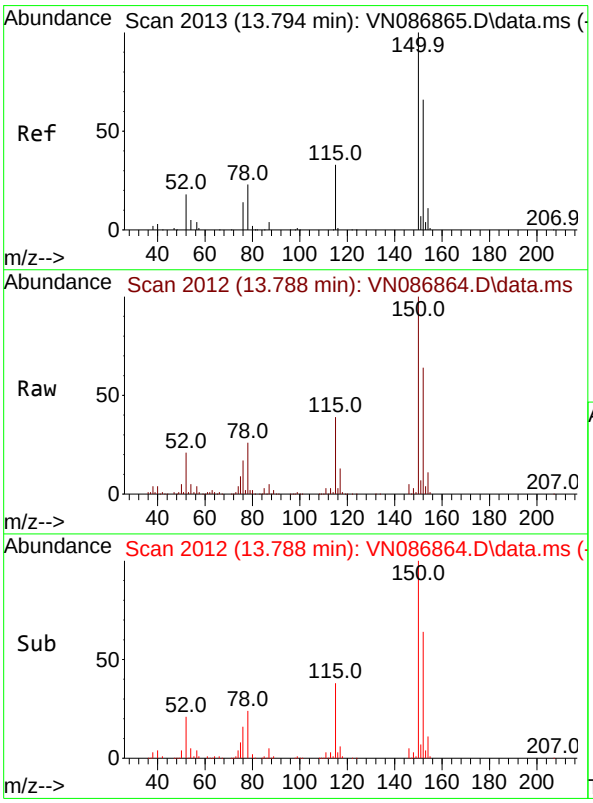
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

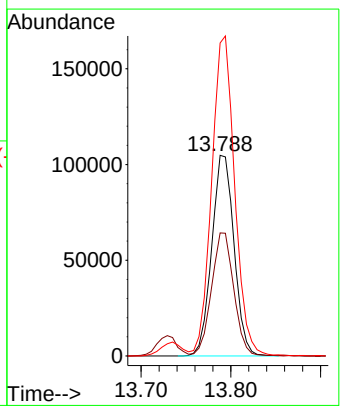
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

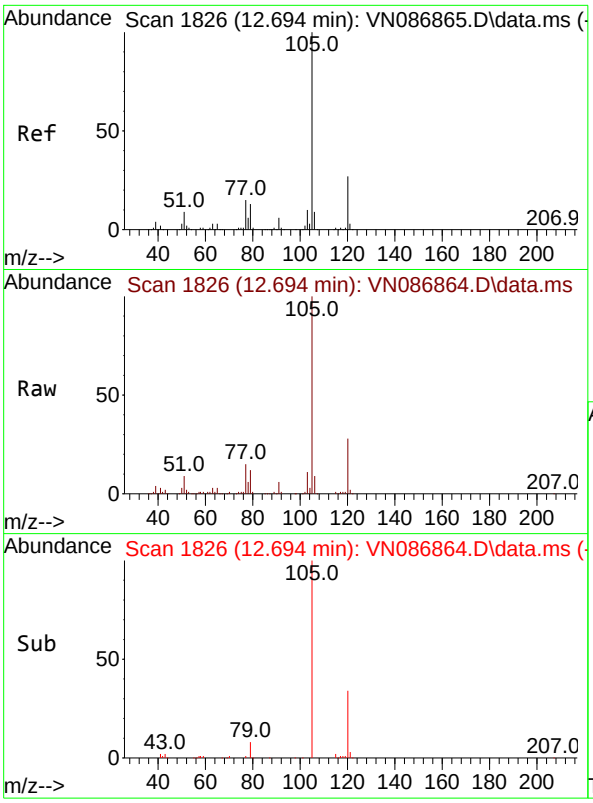


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:152 Resp: 181178

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	164.5	0.0	345.0

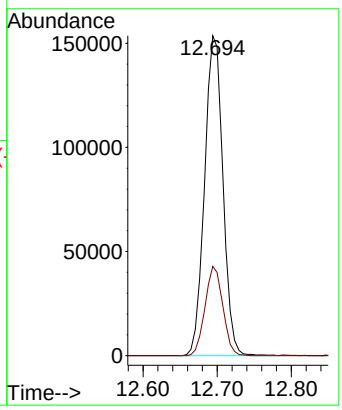




#73
Isopropylbenzene
Concen: 20.035 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 26444

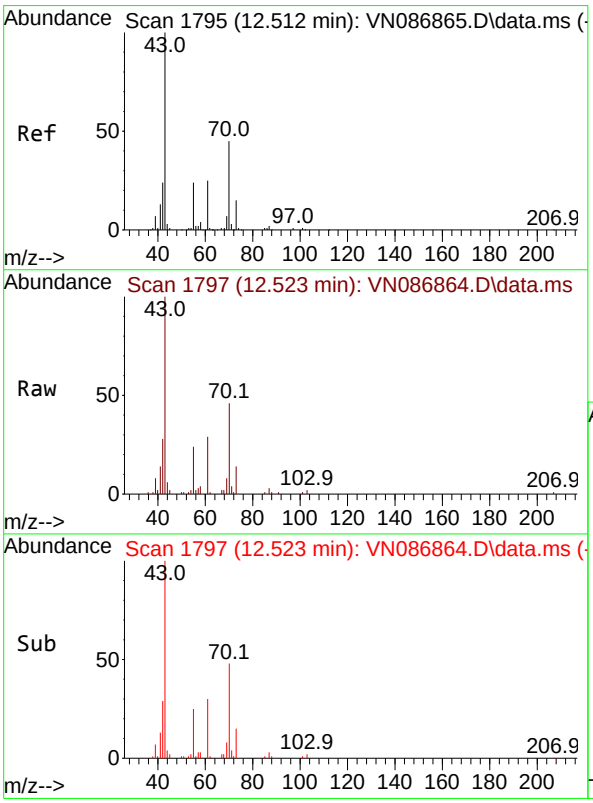
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

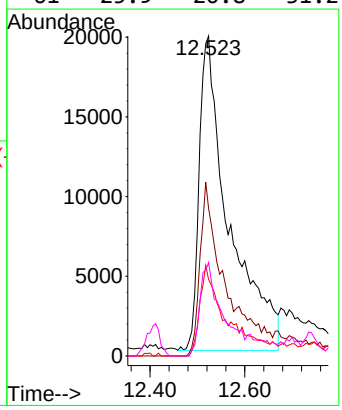
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

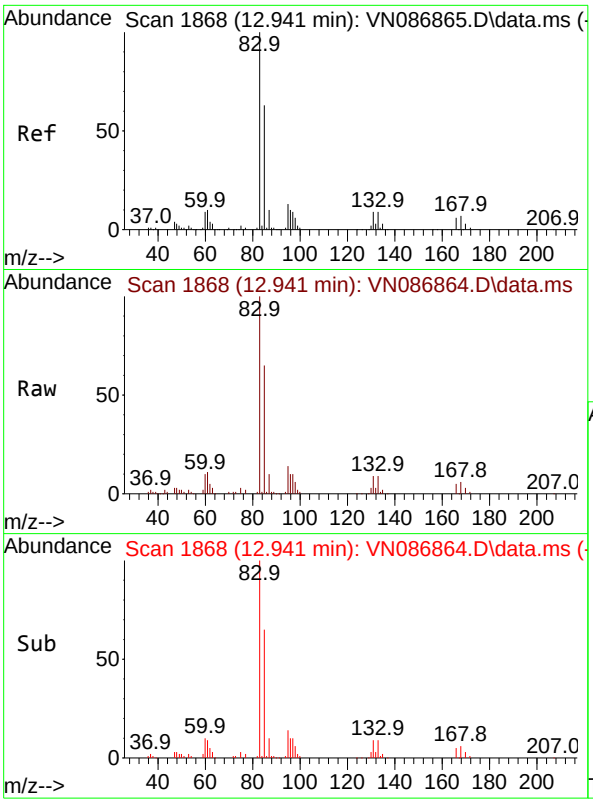


#74
N-amyl acetate
Concen: 19.633 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 86003

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	26.6	19.0	28.6
61	25.9	20.8	31.2

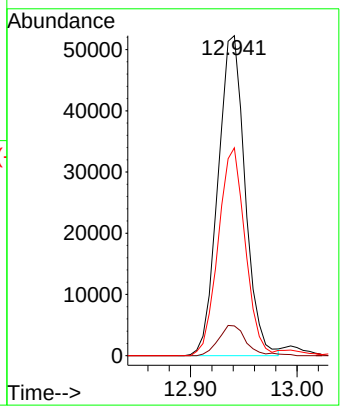




#75
1,1,2,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 9226

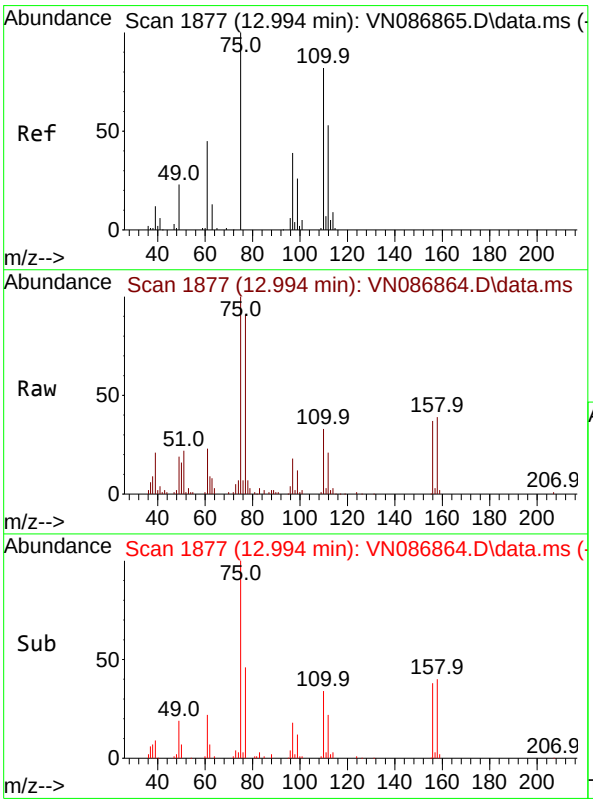
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.5	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

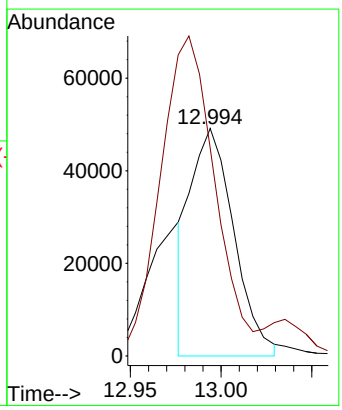
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

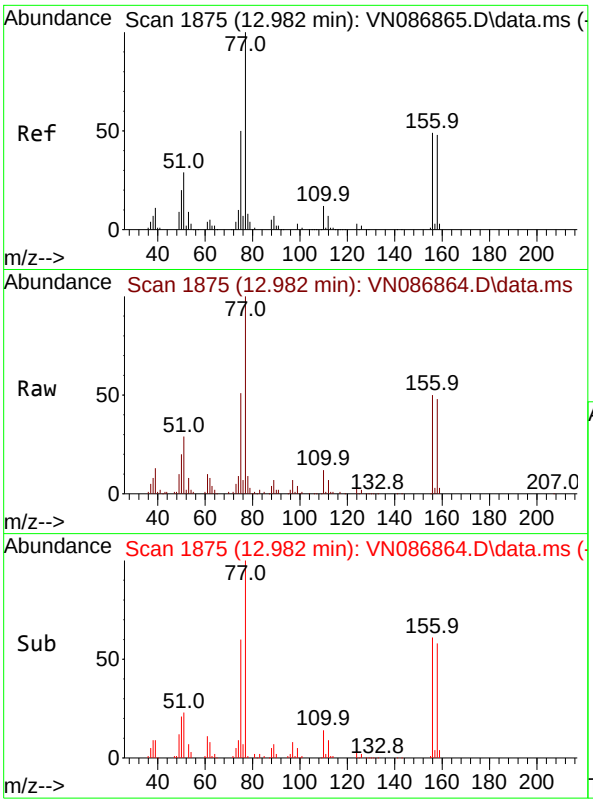


#76
1,2,3-Trichloropropane
Concen: 18.945 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 81846

Ion	Ratio	Lower	Upper
75	100		
77	176.5	79.3	237.9

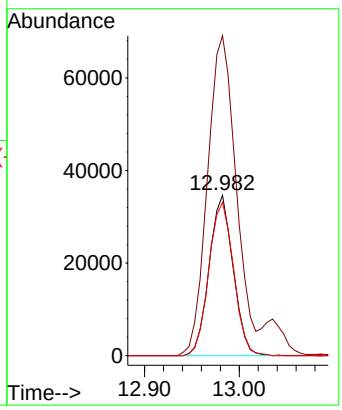




#77
Bromobenzene
Concen: 20.111 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:156 Resp: 6087

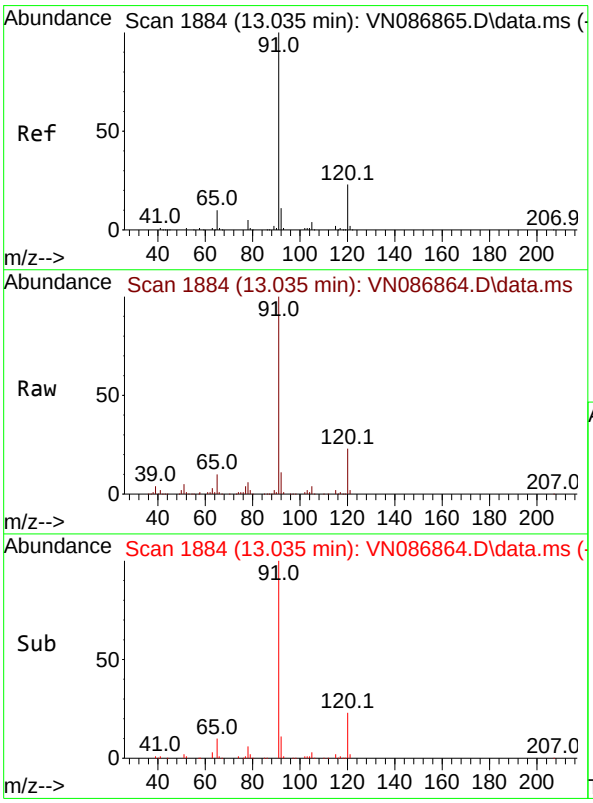
Ion	Ratio	Lower	Upper
156	100		
77	237.3	117.7	353.1
158	99.0	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

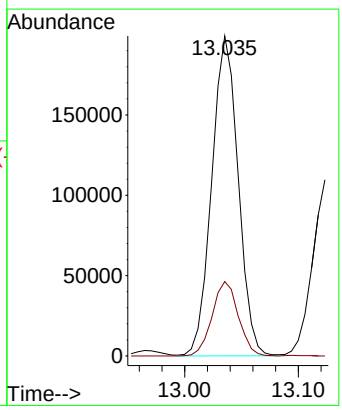
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

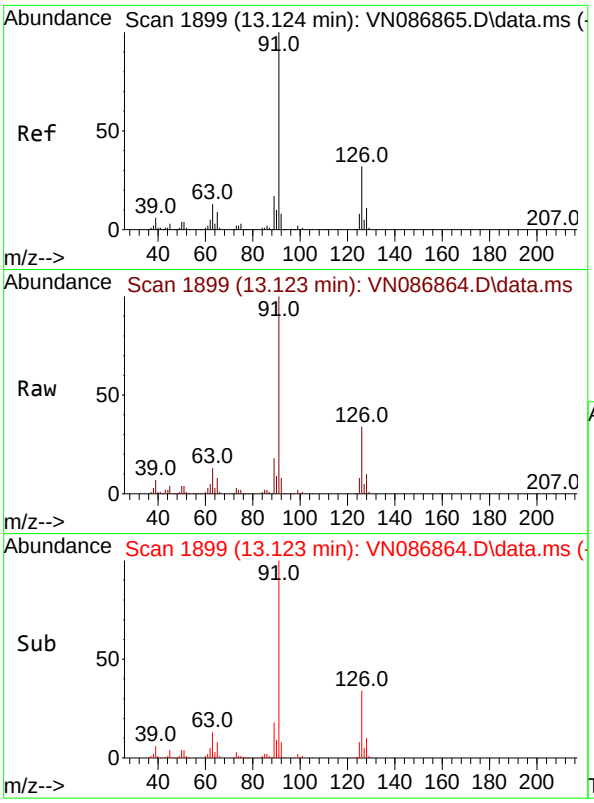


#78
n-propylbenzene
Concen: 20.102 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 322436

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

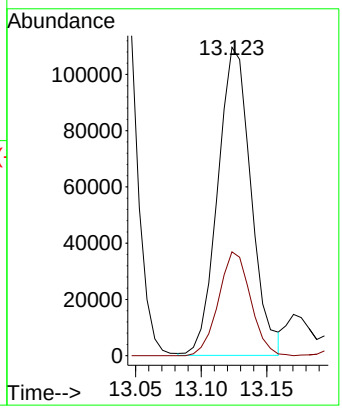




#79
2-Chlorotoluene
Concen: 20.144 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 19377

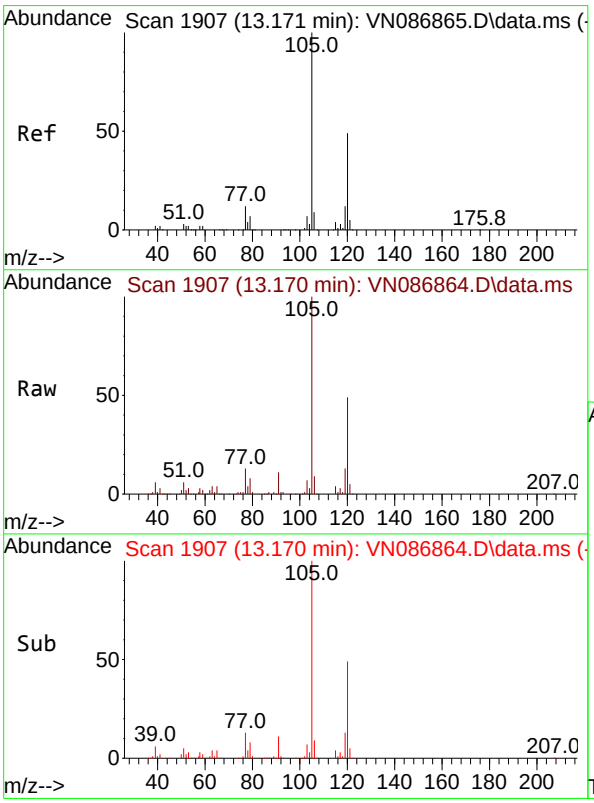
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

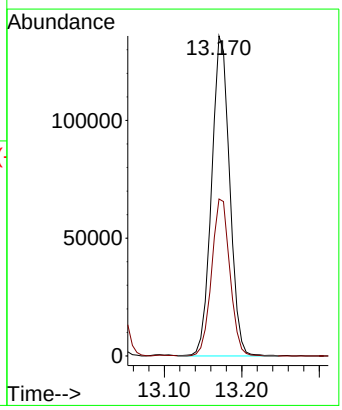
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

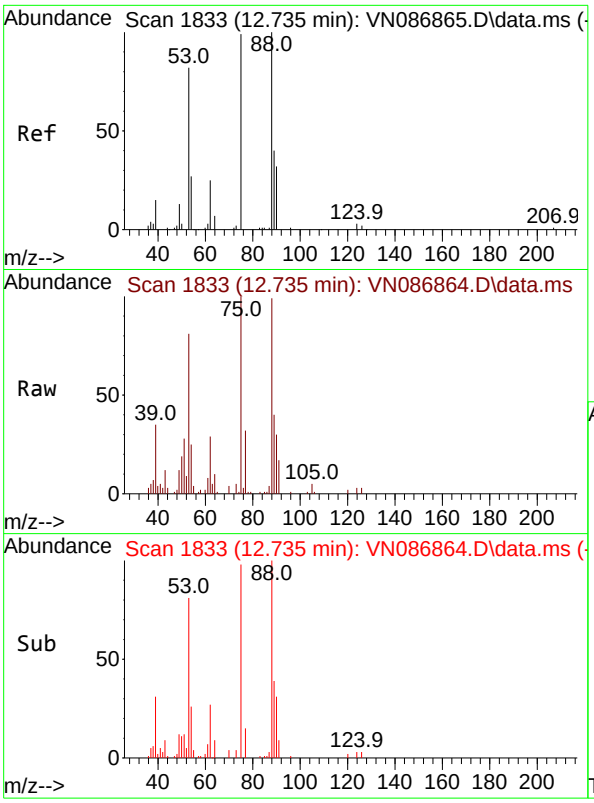


#80
1,3,5-Trimethylbenzene
Concen: 20.183 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 219937

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6

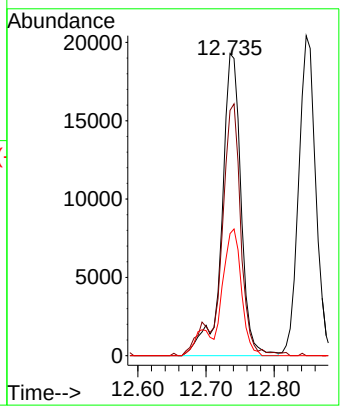




#81
trans-1,4-Dichloro-2-butene
Concen: 20.209 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 3780

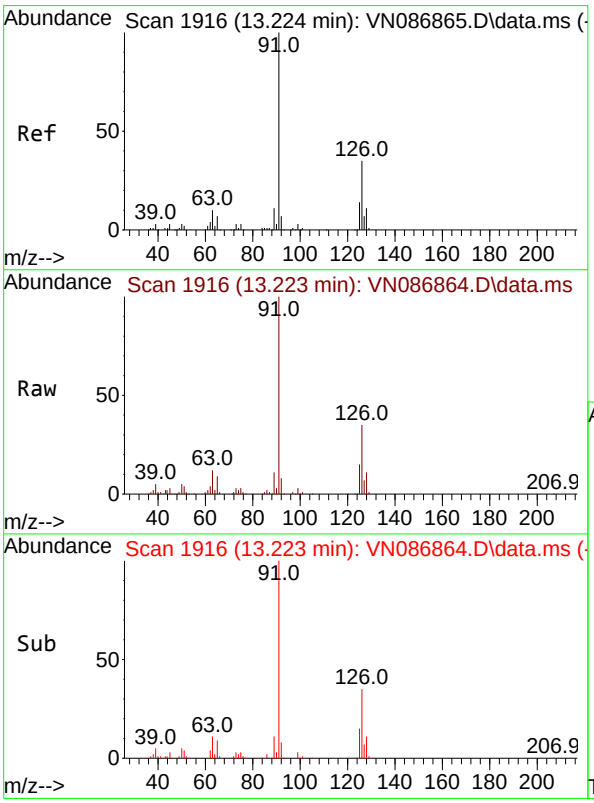
Ion	Ratio	Lower	Upper
75	100		
53	77.3	66.6	99.8
89	39.6	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

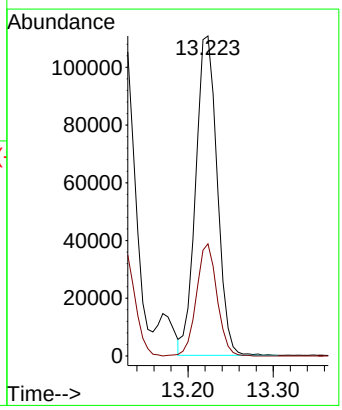
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

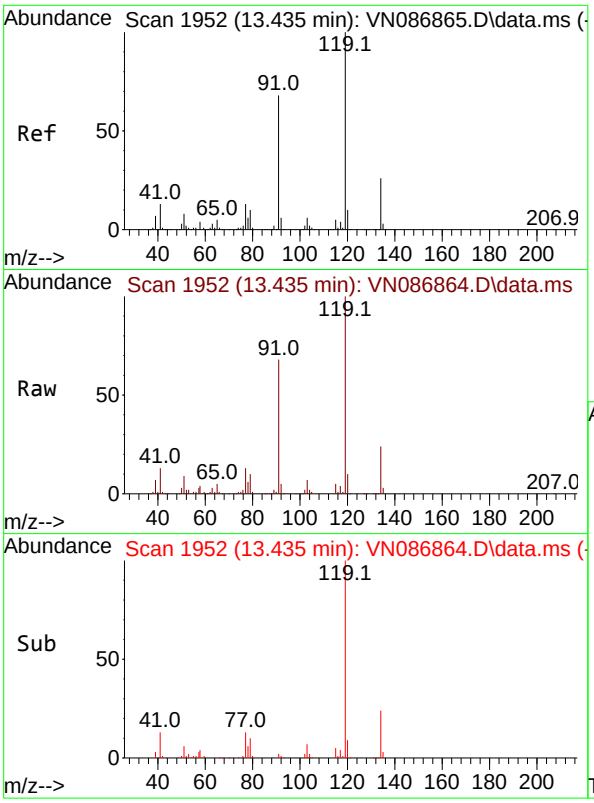


#82
4-Chlorotoluene
Concen: 19.885 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 193544

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1

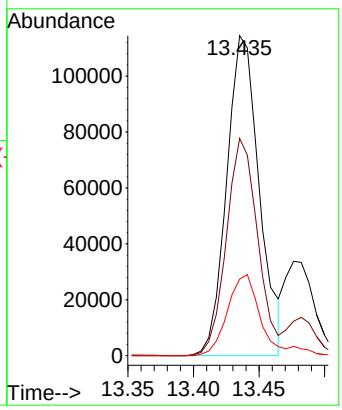




#83
tert-Butylbenzene
Concen: 19.880 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 19830

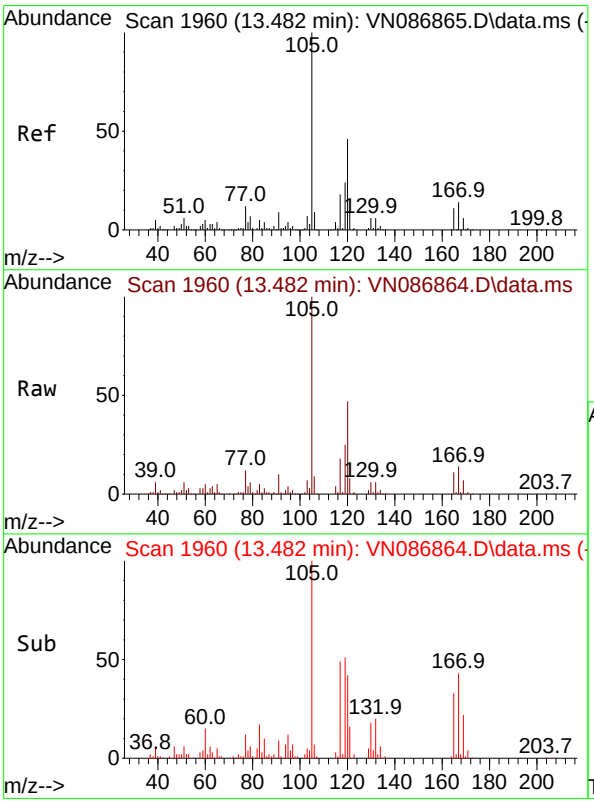
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.1	96.5
134	26.5	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

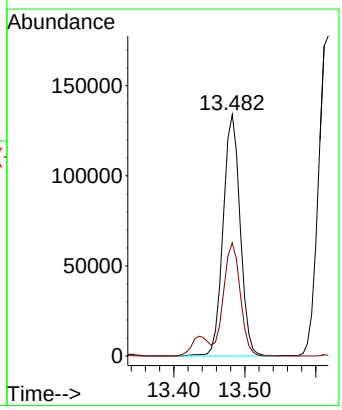
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

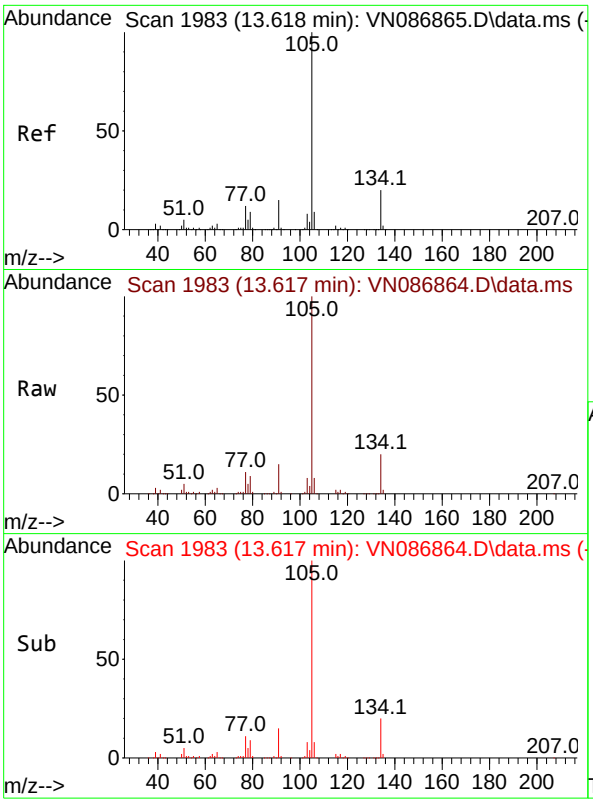


#84
1,2,4-Trimethylbenzene
Concen: 20.315 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 221990

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6

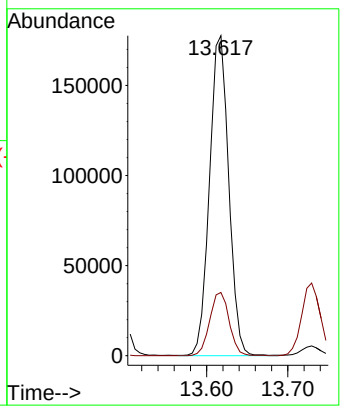




#85
sec-Butylbenzene
Concen: 20.196 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 29256

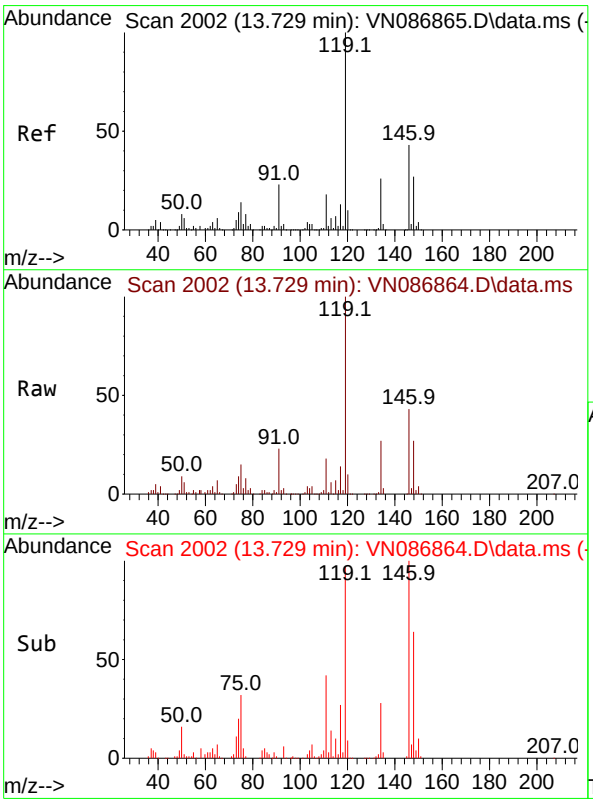
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

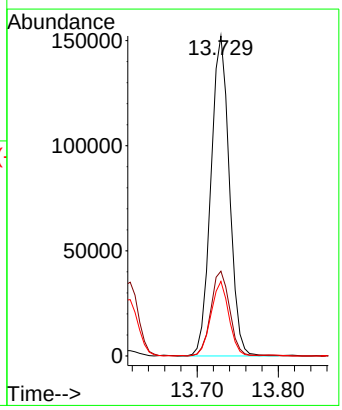
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

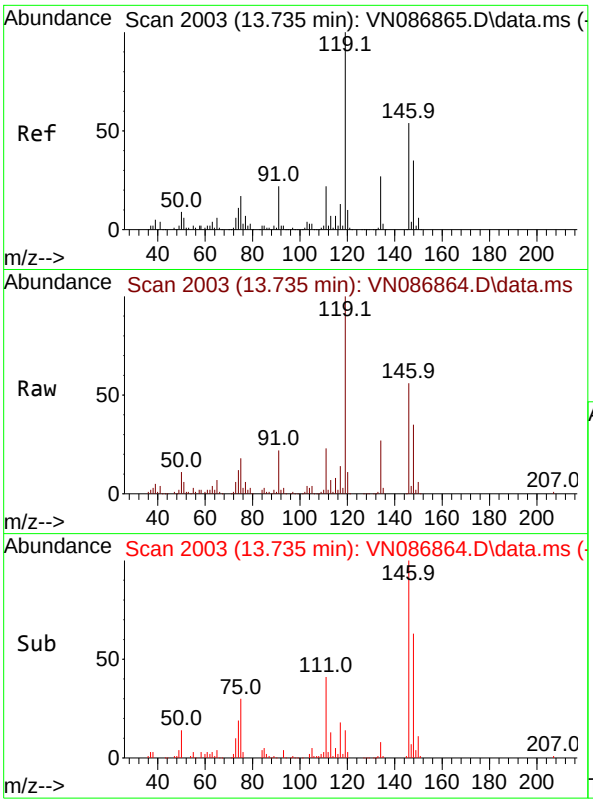


#86
p-Isopropyltoluene
Concen: 20.099 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 240682

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	22.7	11.5	34.4

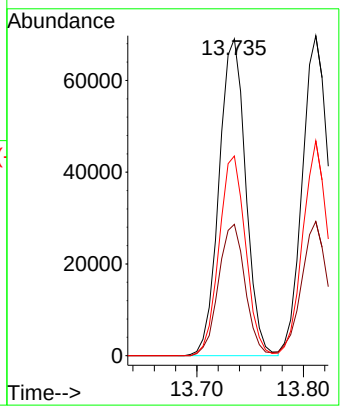




#87
1,3-Dichlorobenzene
Concen: 20.166 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 12009

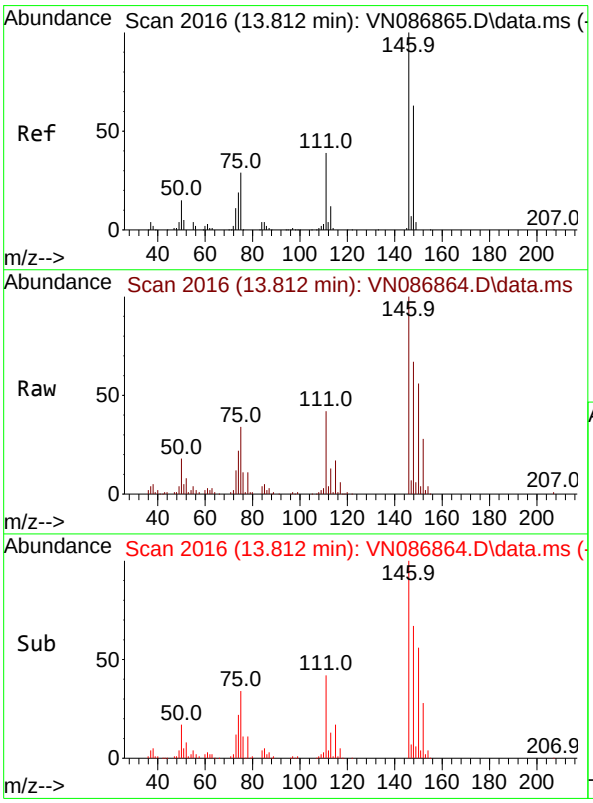
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	62.5	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

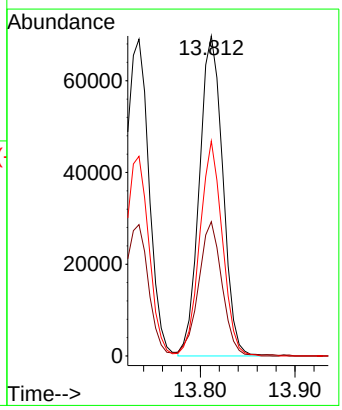
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

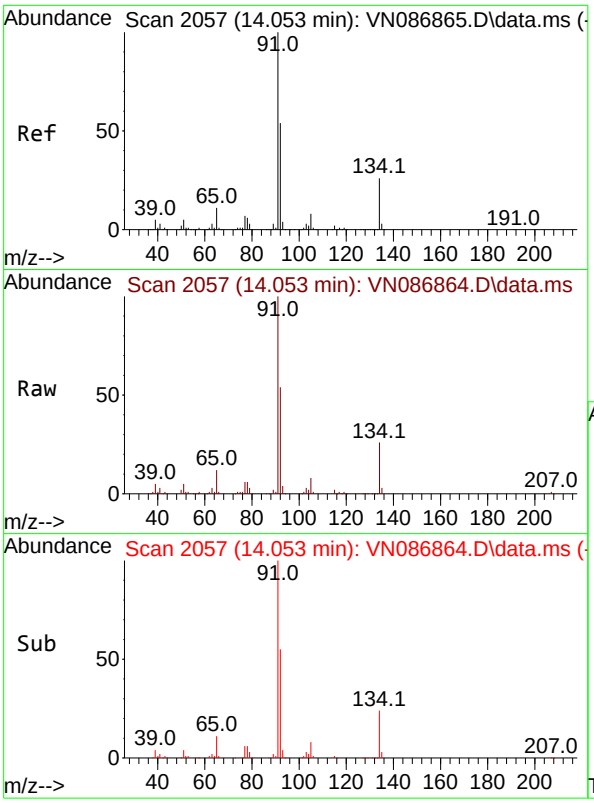


#88
1,4-Dichlorobenzene
Concen: 19.780 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 120102

Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.9	59.7
148	64.7	31.8	95.4

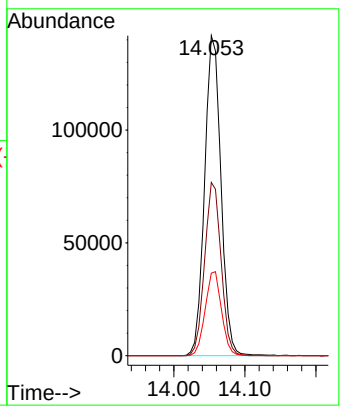




#89
n-Butylbenzene
Concen: 19.617 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 22753

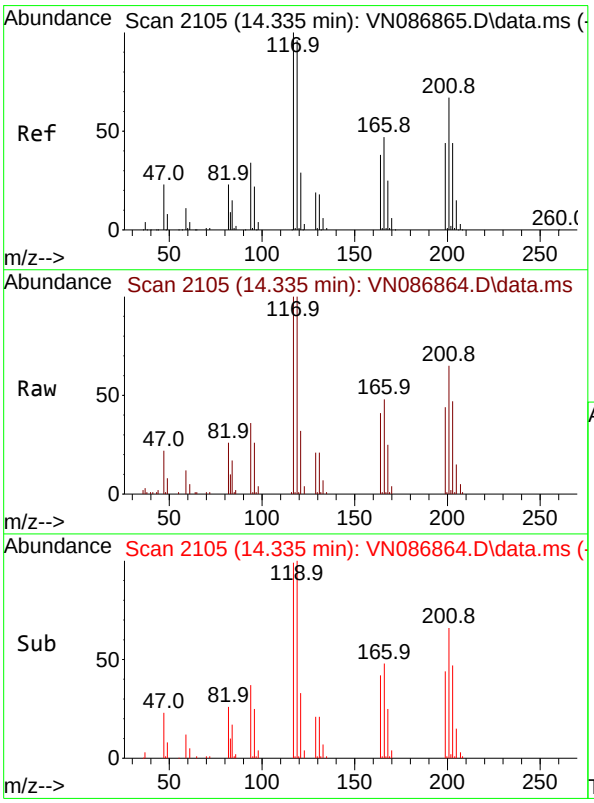
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	26.2	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

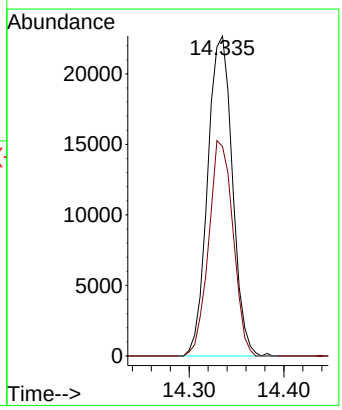
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

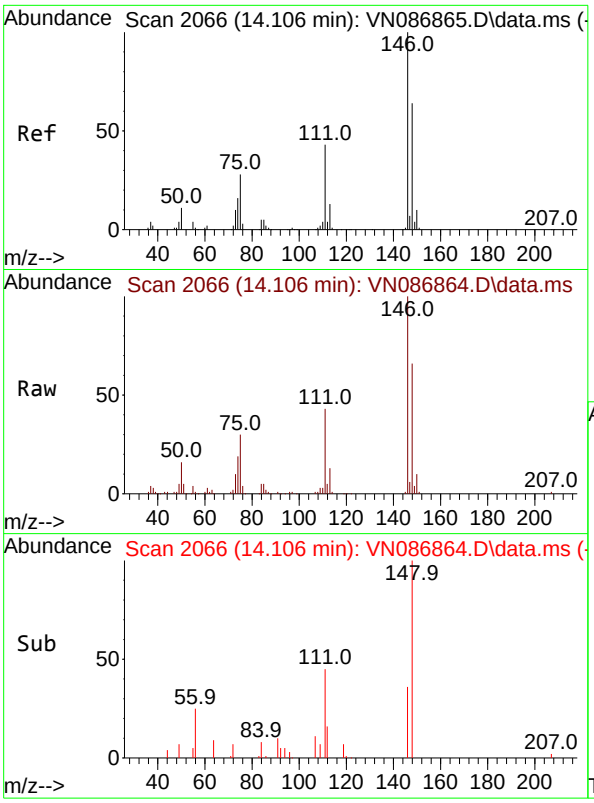


#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 41202

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6

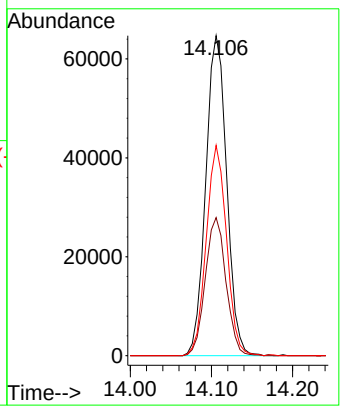




#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 11564

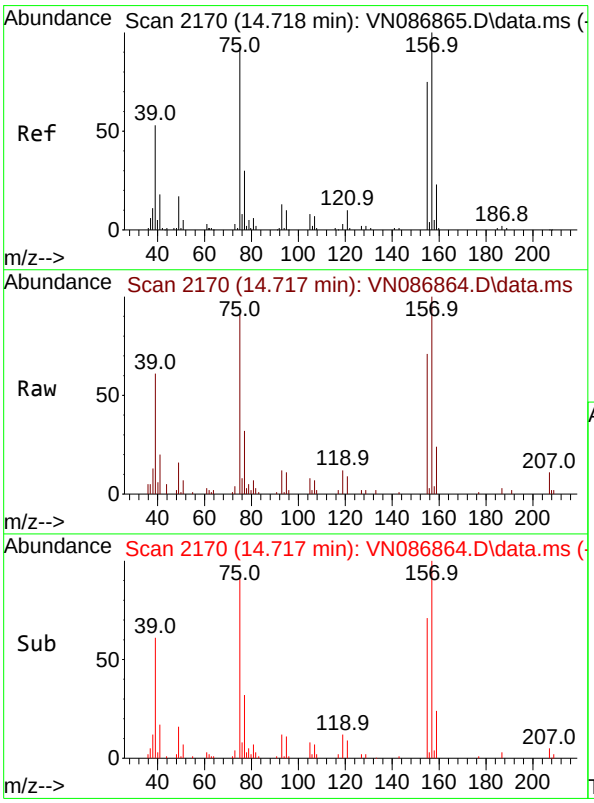
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.9	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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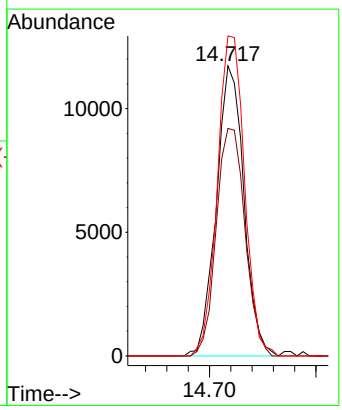
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

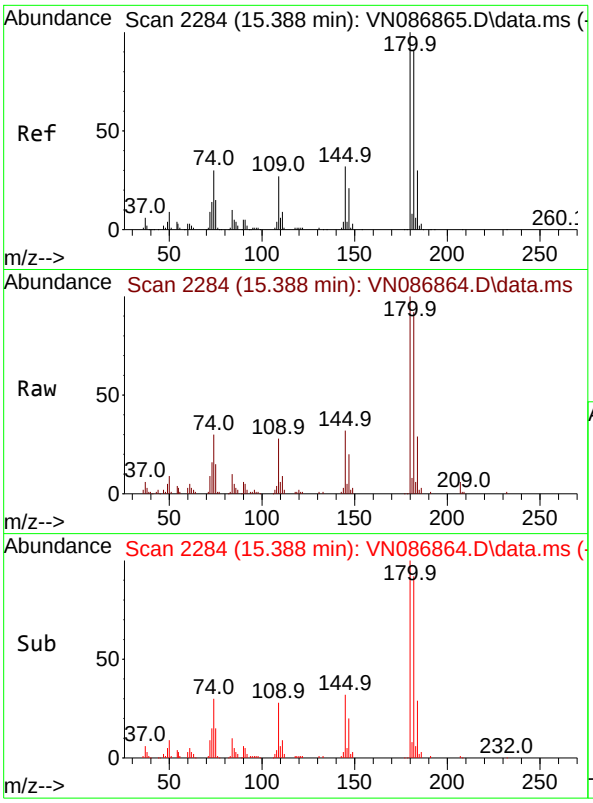


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.661 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 21025

Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.1	123.4
157	109.0	52.7	158.1

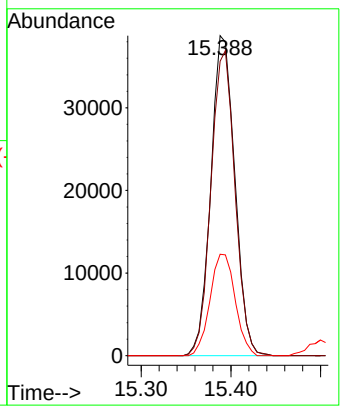




#93
1,2,4-Trichlorobenzene
Concen: 19.659 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:180 Resp: 7182

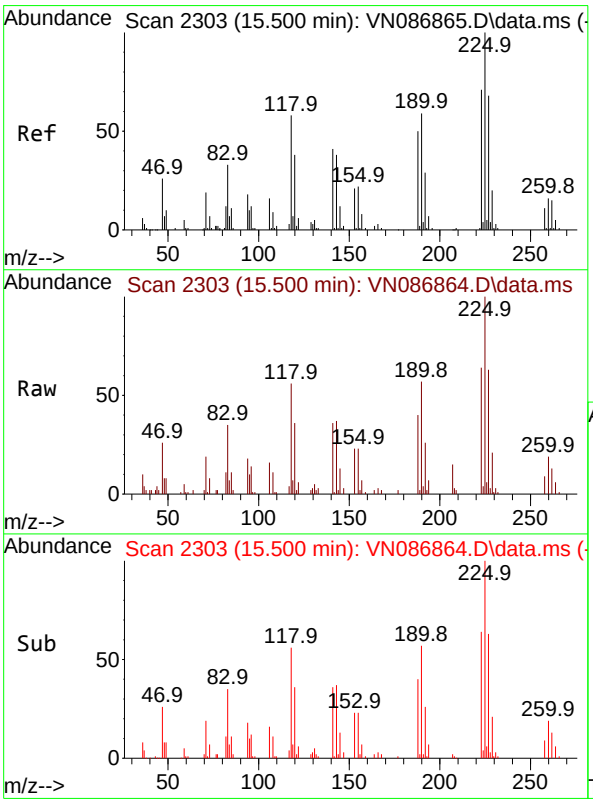
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	33.3	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

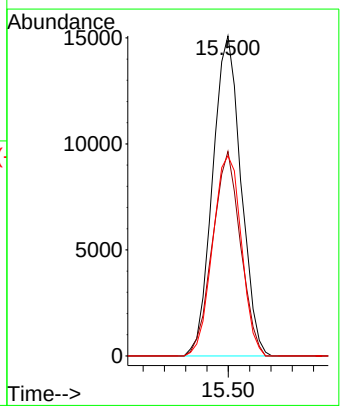
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

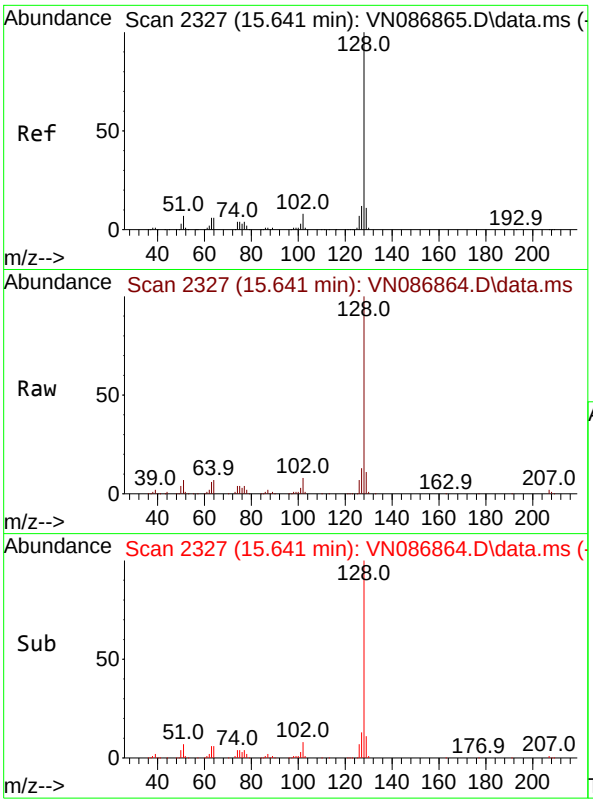


#94
Hexachlorobutadiene
Concen: 20.486 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:225 Resp: 27887

Ion	Ratio	Lower	Upper
225	100		
223	63.0	33.5	100.4
227	63.3	31.1	93.5

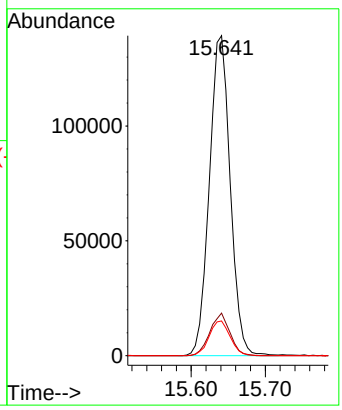




#95
Naphthalene
Concen: 20.043 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:128 Resp: 27258

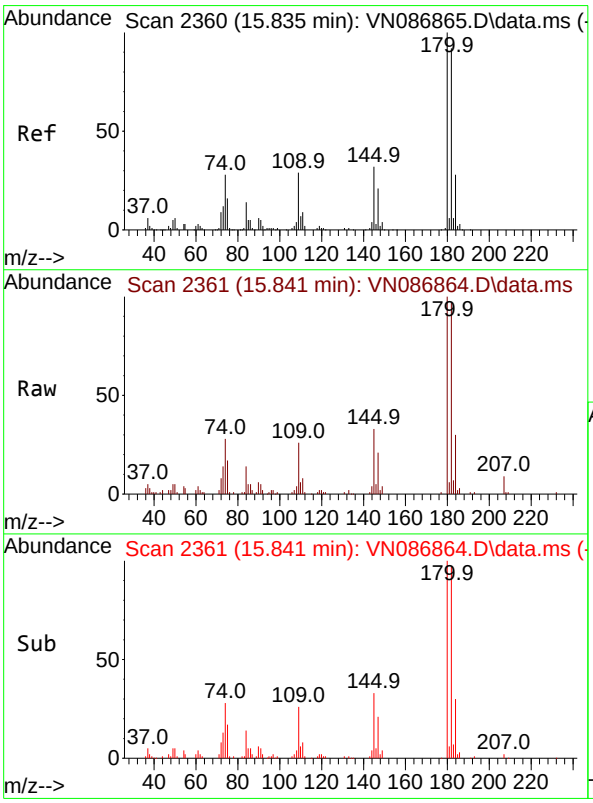
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

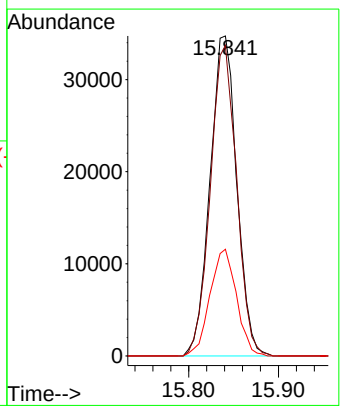
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.815 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:180 Resp: 71929

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.1	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

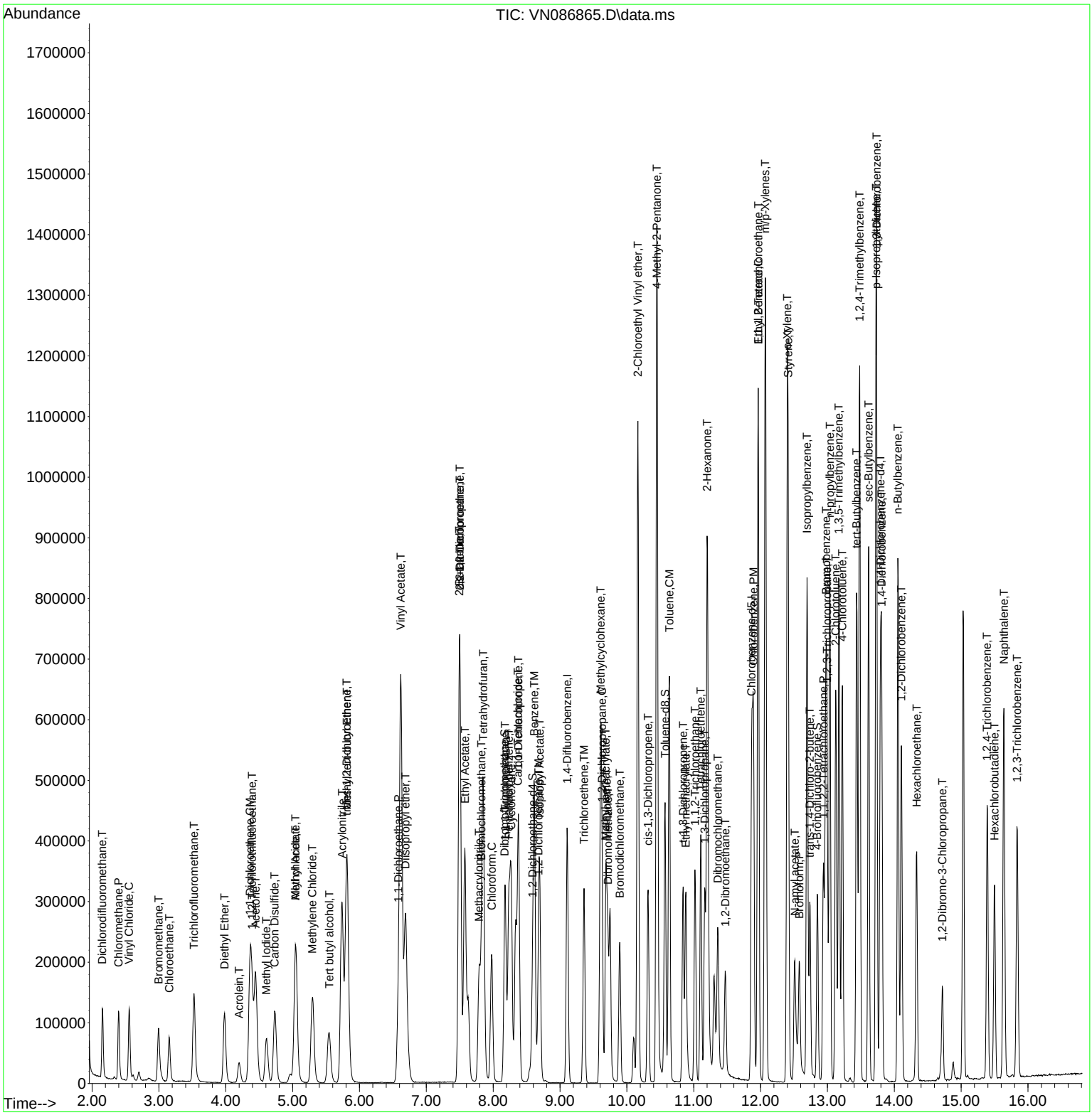
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Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

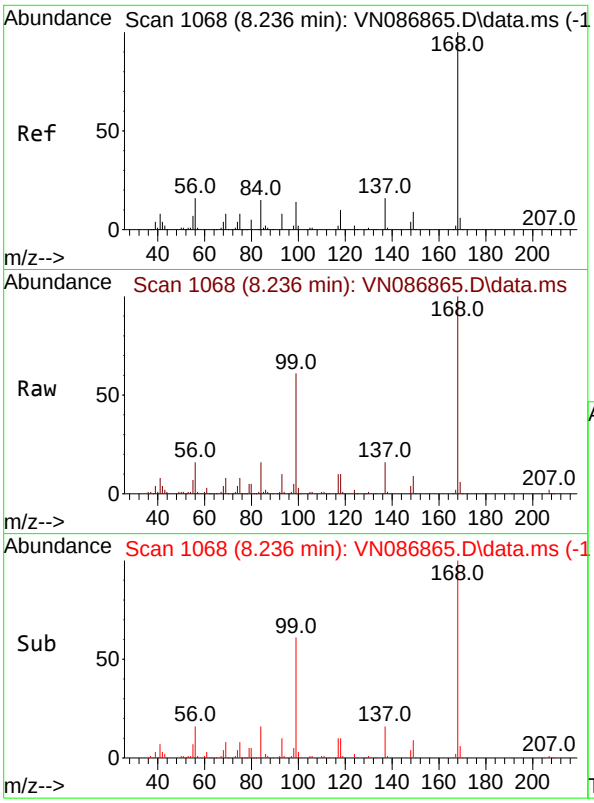
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

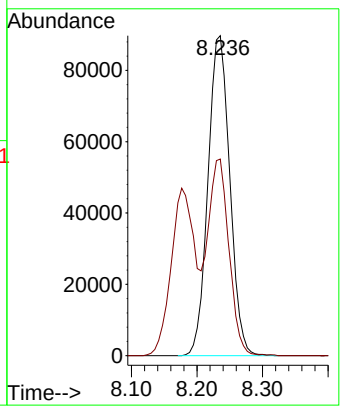




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:168 Resp: 20735

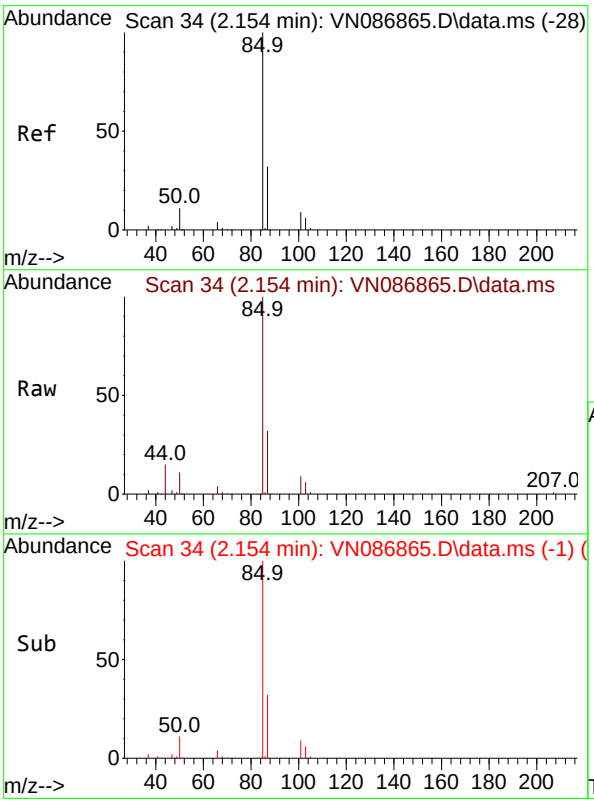
Ion	Ratio	Lower	Upper
168	100		
99	61.4	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

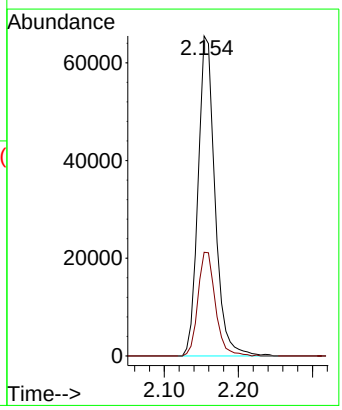
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

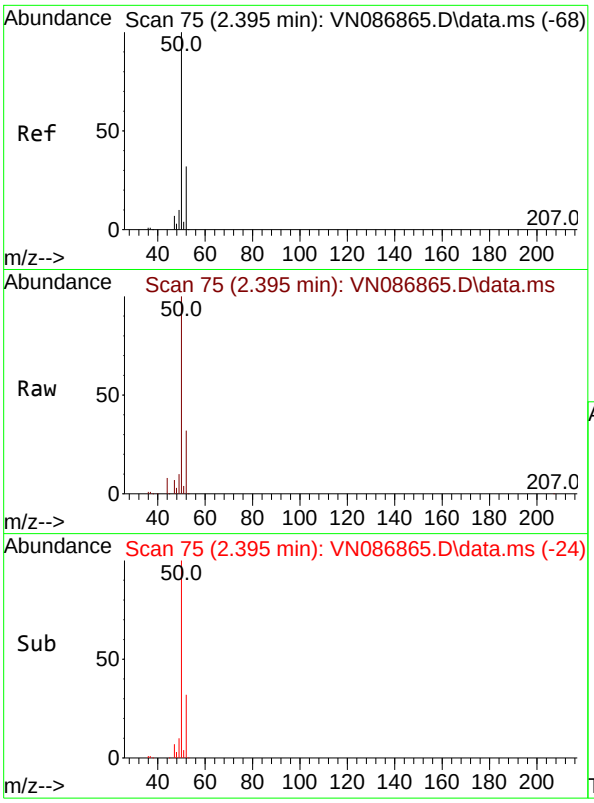


#2
Dichlorodifluoromethane
Concen: 50.283 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 85 Resp: 103958

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6

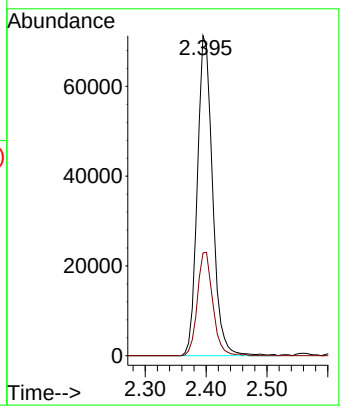




#3
Chloromethane
Concen: 46.397 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 50 Resp: 12386

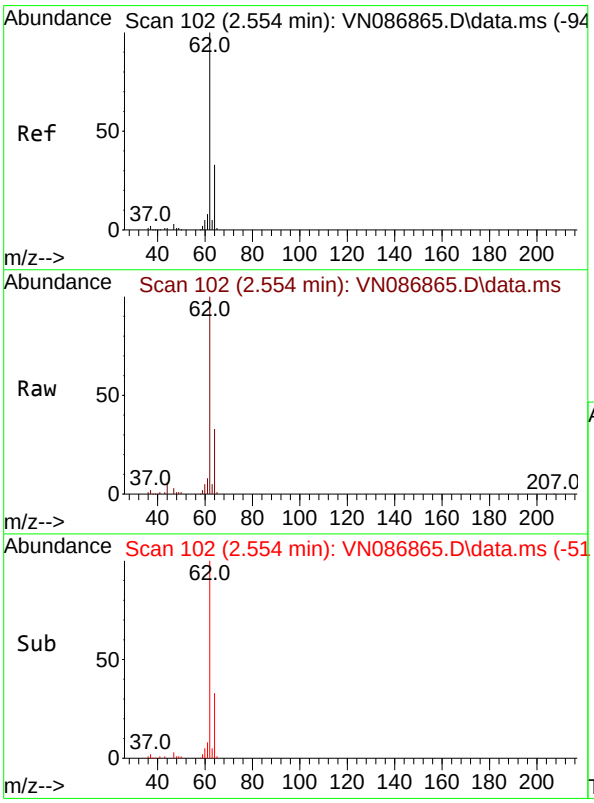
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

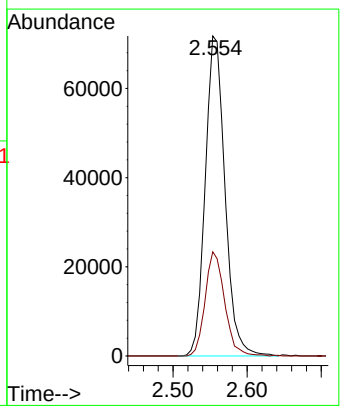
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

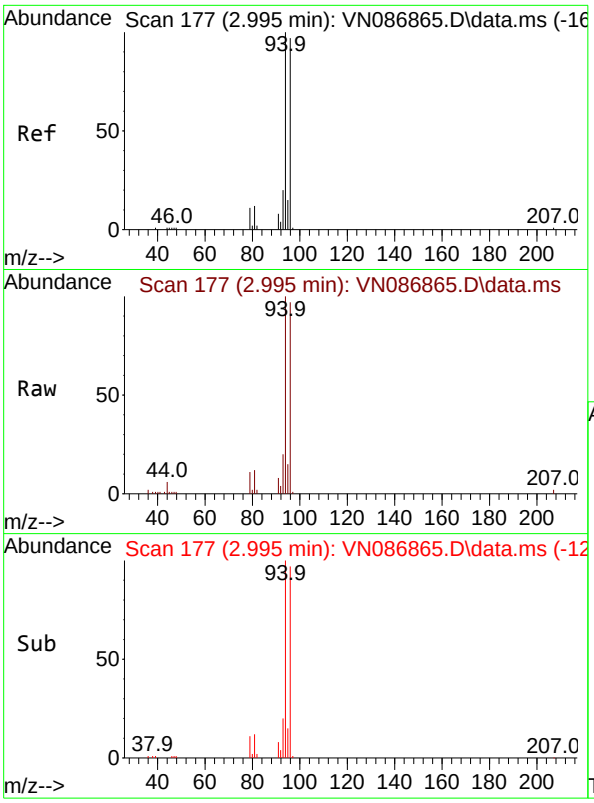


#4
Vinyl Chloride
Concen: 48.215 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 132783

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0

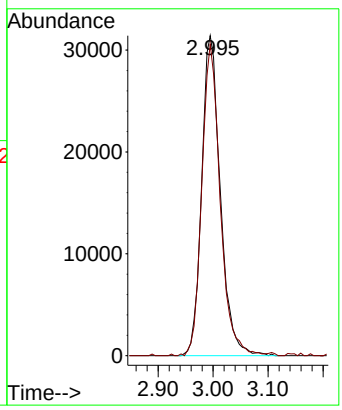




#5
Bromomethane
Concen: 47.999 ug/l
RT: 2.995 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 94 Resp: 7397

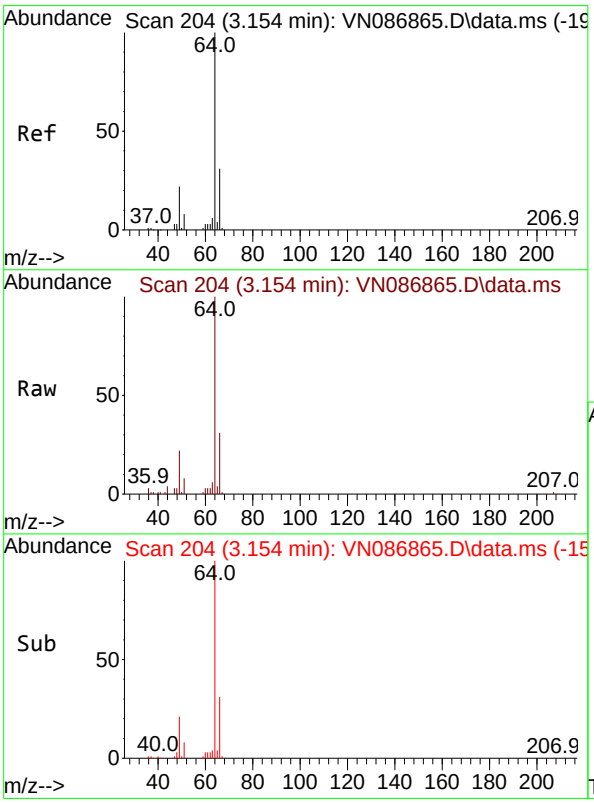
Ion	Ratio	Lower	Upper
94	100		
96	97.4	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

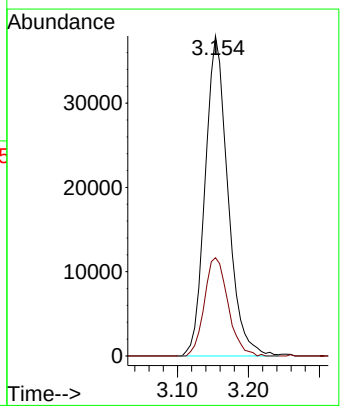
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

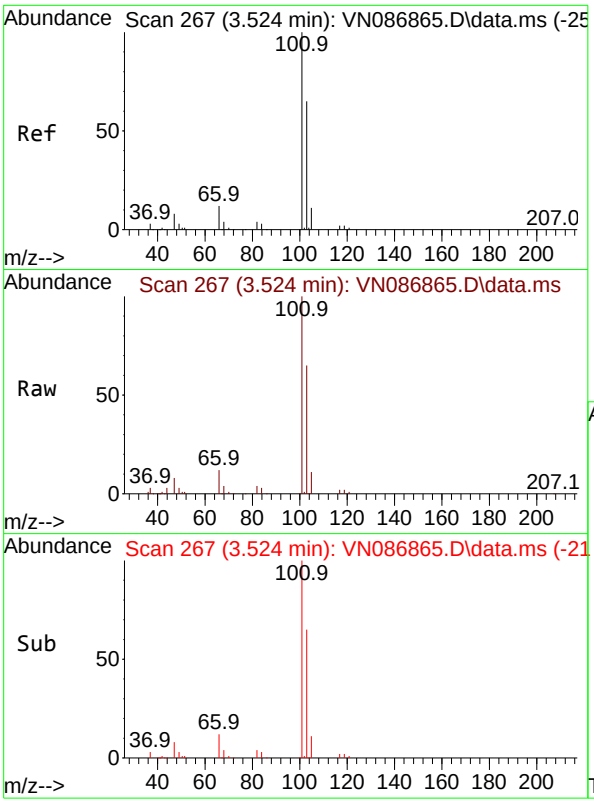


#6
Chloroethane
Concen: 47.504 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 64 Resp: 84505

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8

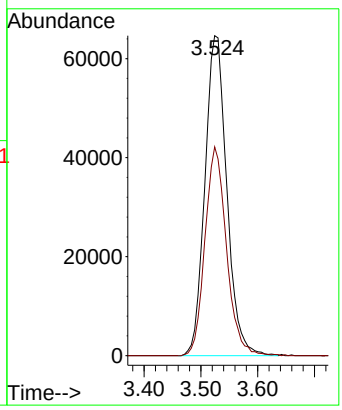




#7
Trichlorofluoromethane
Concen: 48.041 ug/l
RT: 3.524 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:101 Resp: 17286

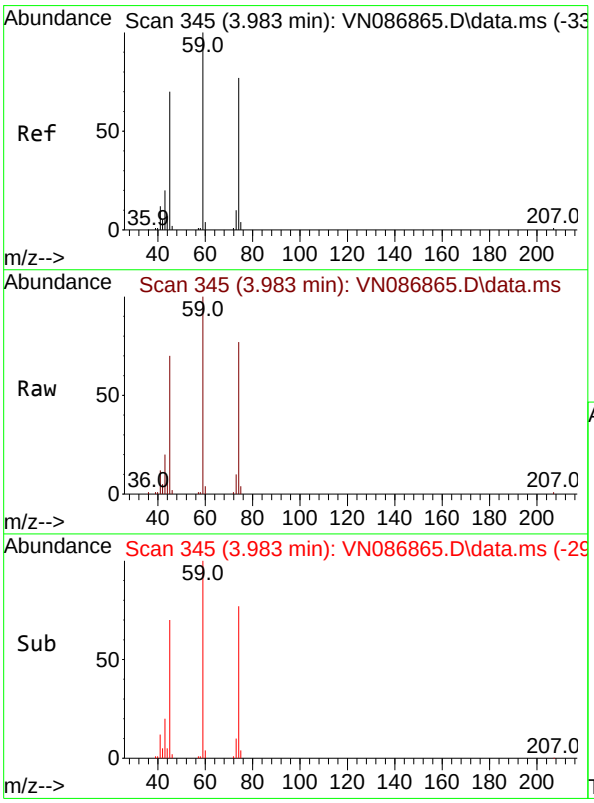
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

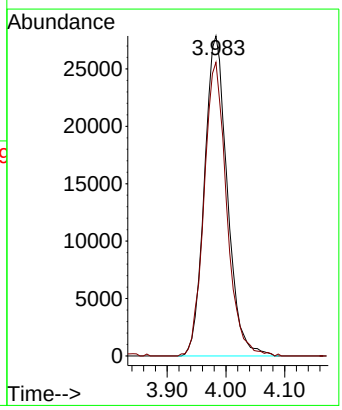
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

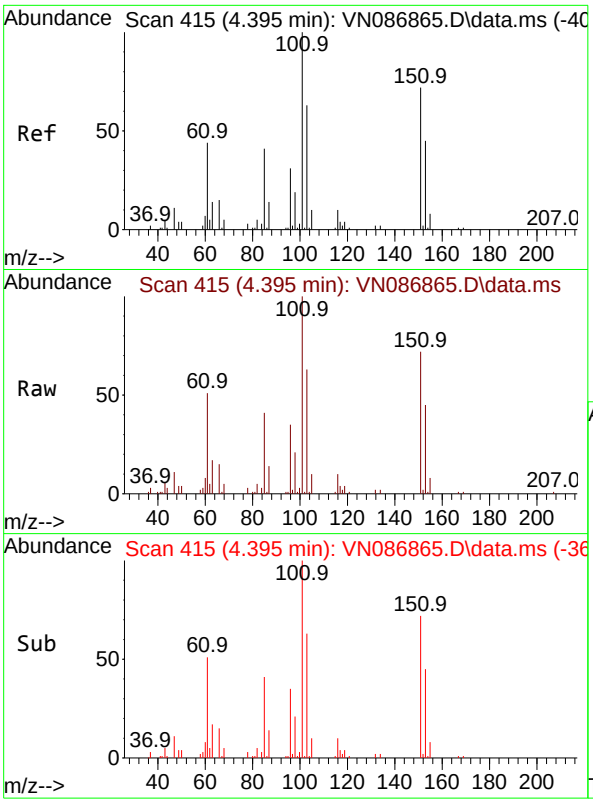


#8
Diethyl Ether
Concen: 47.963 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 74 Resp: 75193

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5

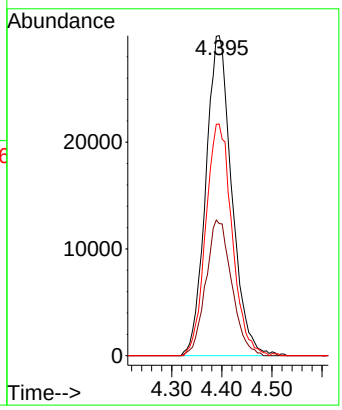




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.640 ug/l
RT: 4.395 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:101 Resp: 10769

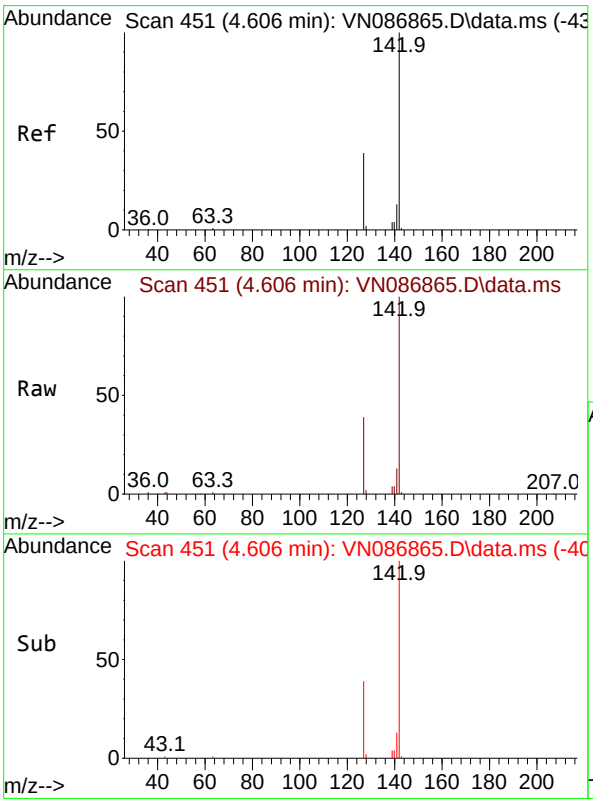
Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.4	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

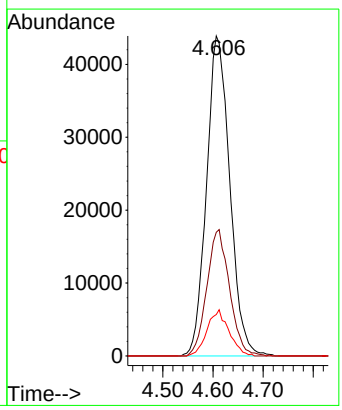
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

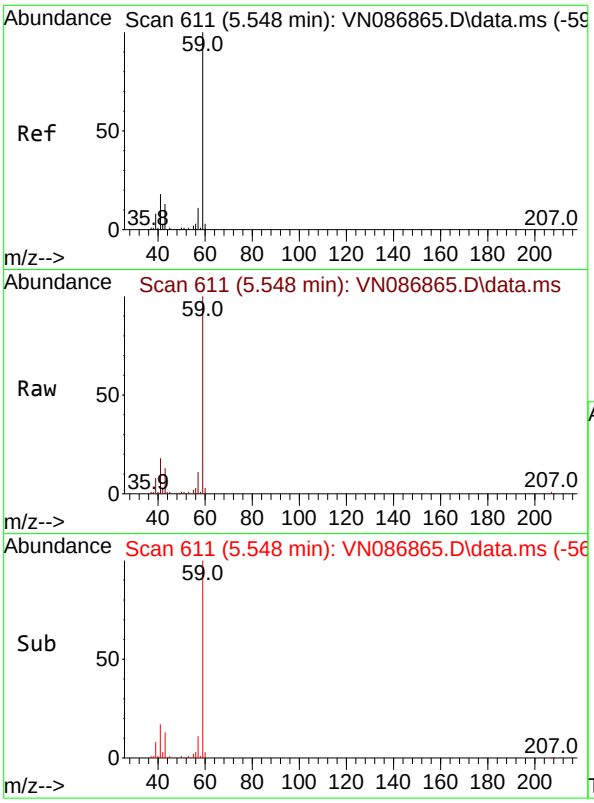


#10
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:142 Resp: 141678

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	13.0	10.4	15.6

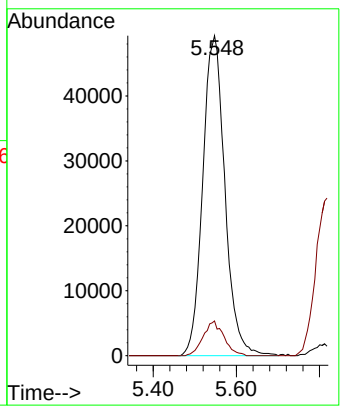




#11
Tert butyl alcohol
Concen: 242.020 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 59 Resp: 18231

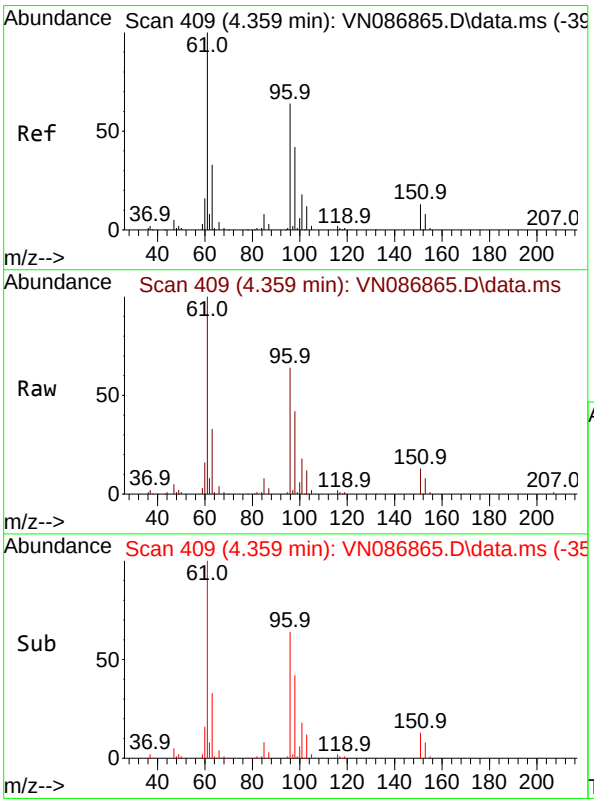
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

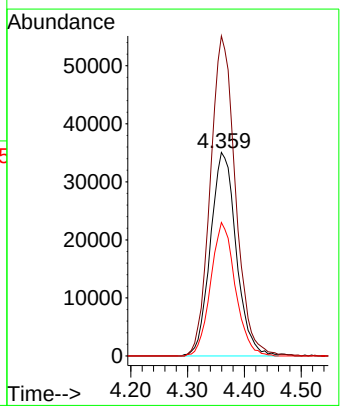
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

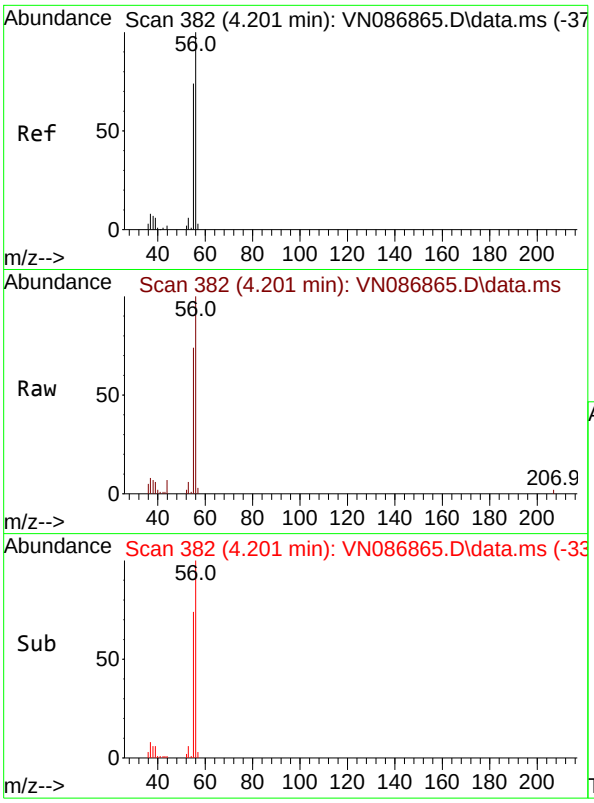


#12
1,1-Dichloroethene
Concen: 47.900 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 110549

Ion	Ratio	Lower	Upper
96	100		
61	157.2	125.8	188.6
98	65.6	52.5	78.7

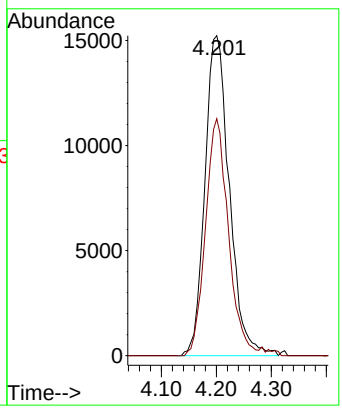




#13
Acrolein
Concen: 197.217 ug/l
RT: 4.201 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 56 Resp: 4702

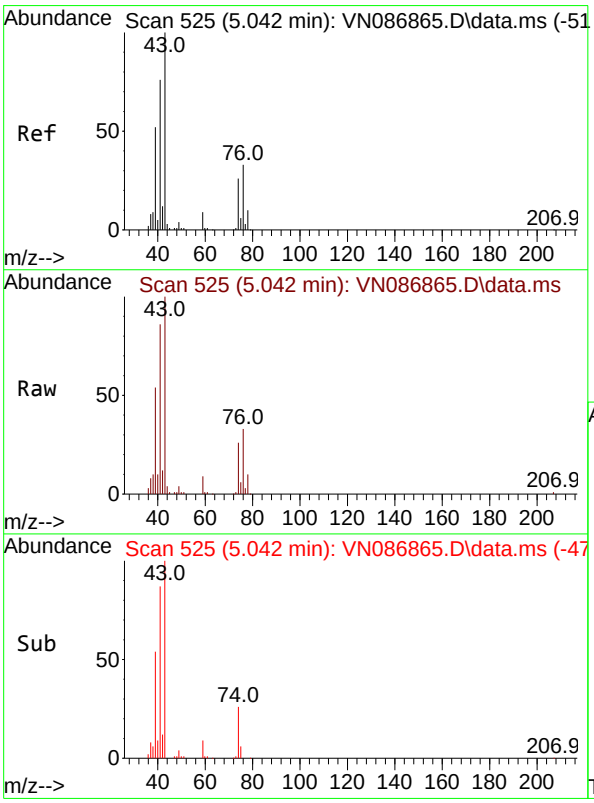
Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

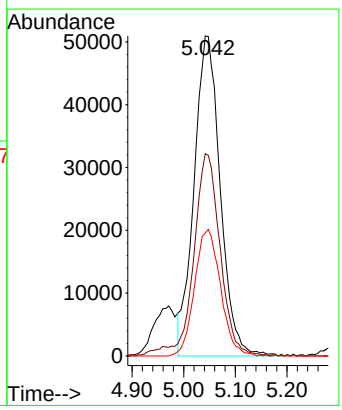
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

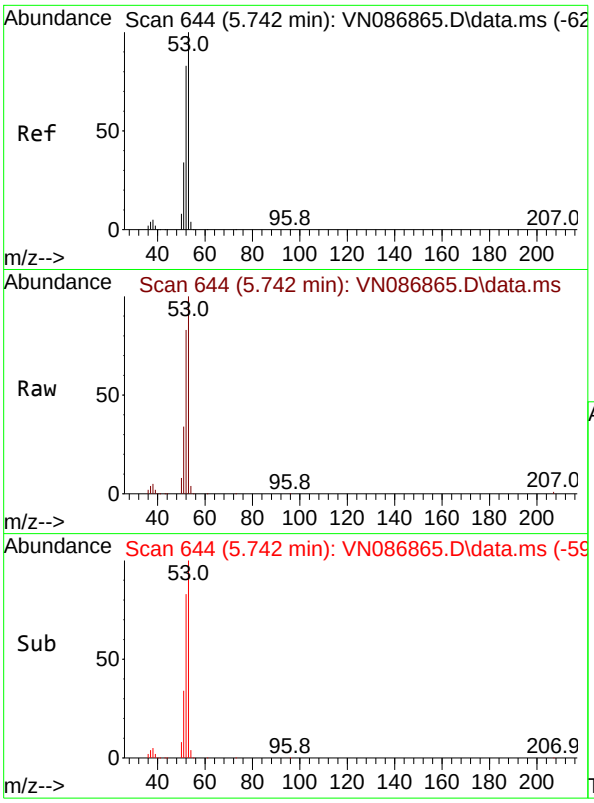


#14
Allyl chloride
Concen: 46.848 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 179313

Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	39.2	31.4	47.0

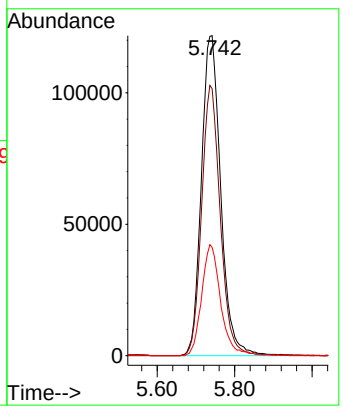




#15
Acrylonitrile
Concen: 239.638 ug/l
RT: 5.742 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 53 Resp: 42194

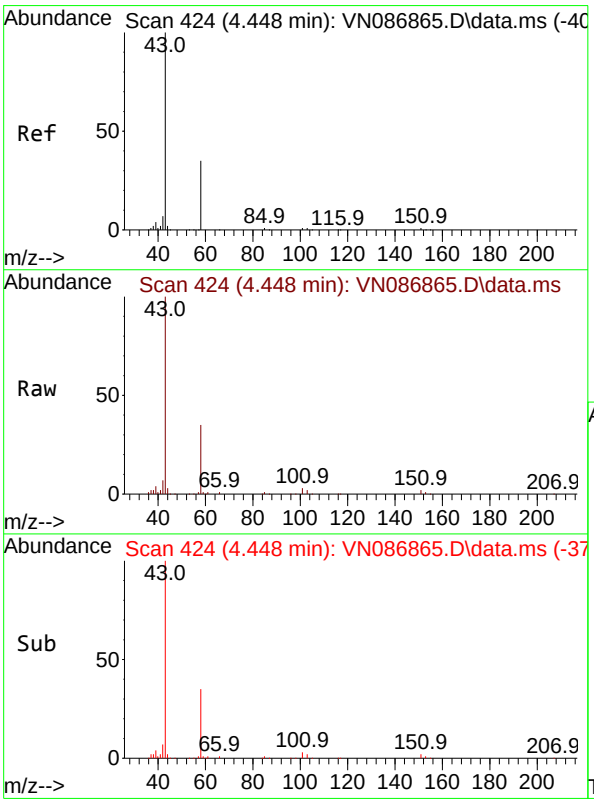
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

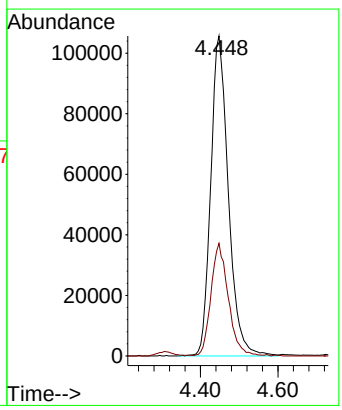
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

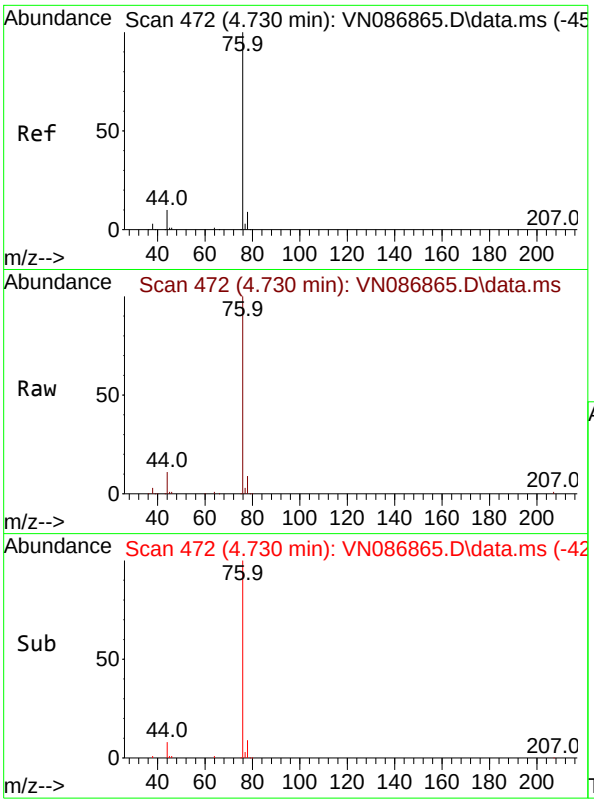


#16
Acetone
Concen: 226.765 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 333857

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.0	42.0

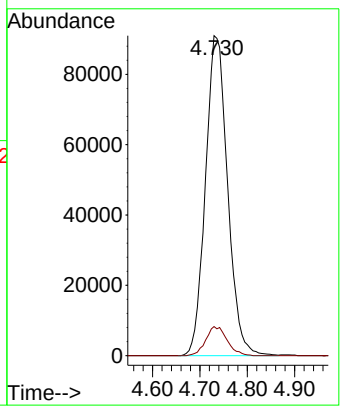




#17
Carbon Disulfide
Concen: 46.328 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 76 Resp: 29575

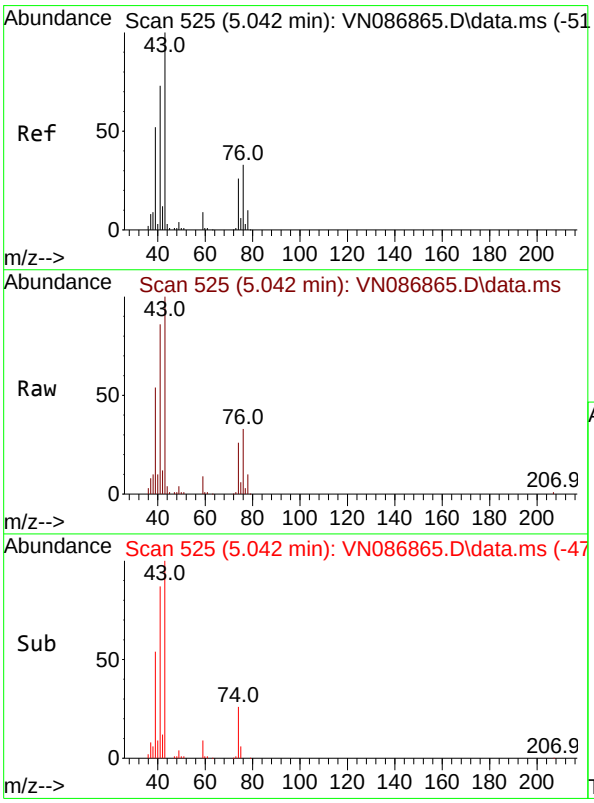
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

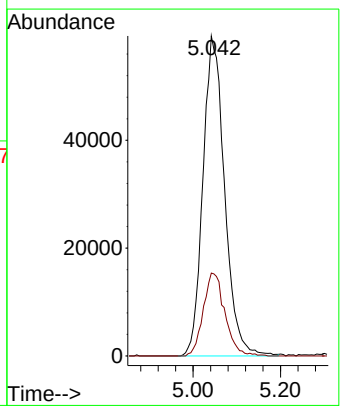
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

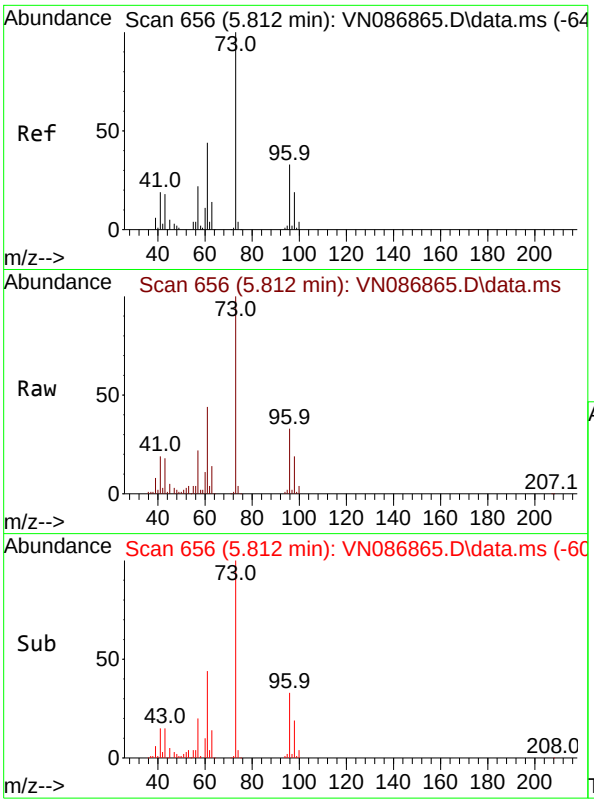


#18
Methyl Acetate
Concen: 47.673 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 204538

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1

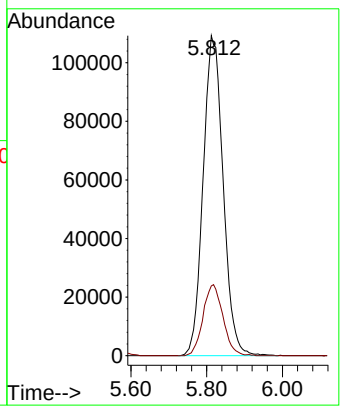




#19
Methyl tert-butyl Ether
Concen: 47.960 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 73 Resp: 40077

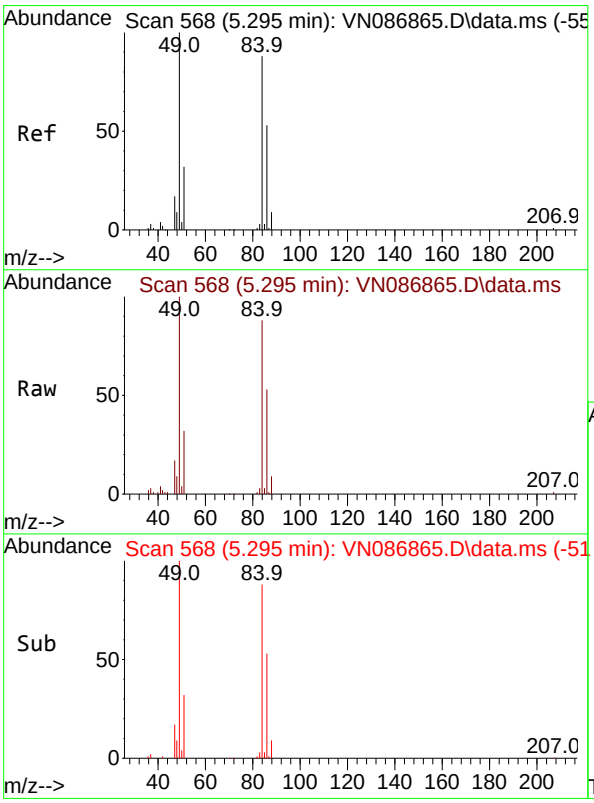
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

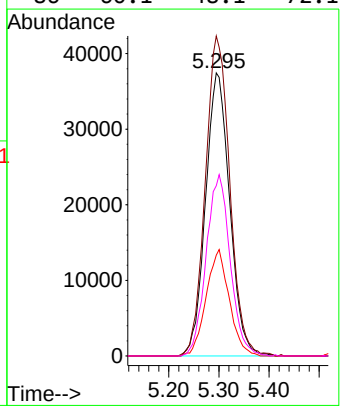
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

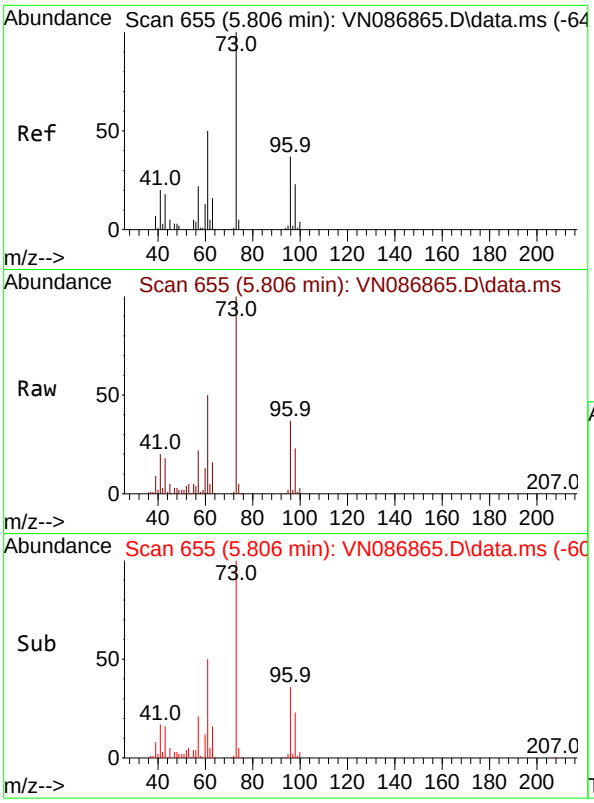


#20
Methylene Chloride
Concen: 45.531 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 84 Resp: 125498

Ion	Ratio	Lower	Upper
84	100		
49	113.1	90.5	135.7
51	35.6	28.5	42.7
86	60.1	48.1	72.1

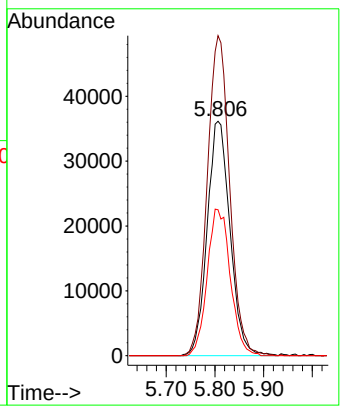




#21
trans-1,2-Dichloroethene
Concen: 45.822 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 11766

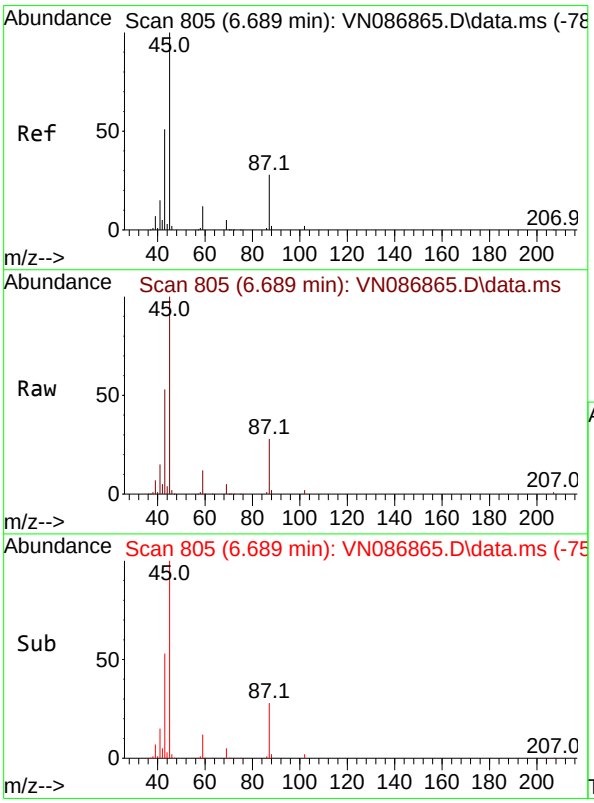
Ion	Ratio	Lower	Upper
96	100		
61	136.5	109.2	163.8
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

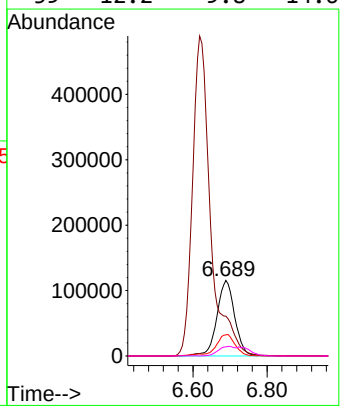
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

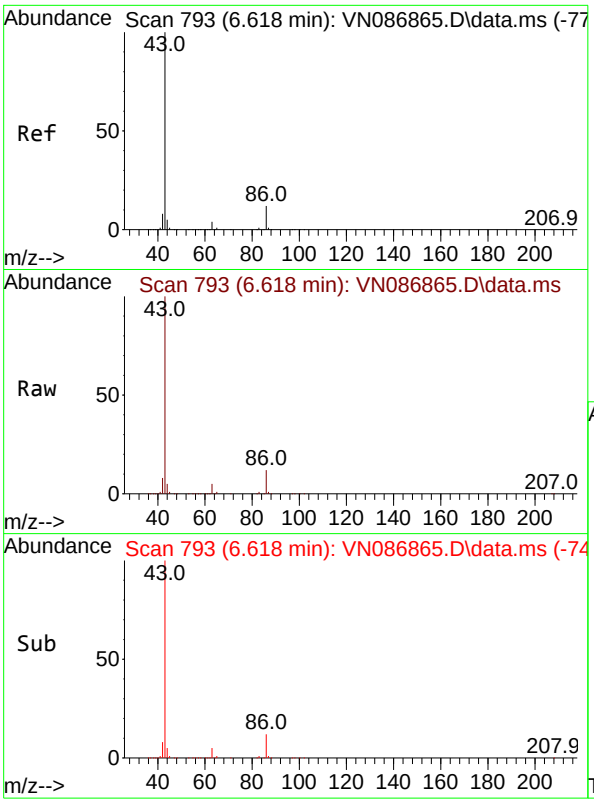


#22
Diisopropyl ether
Concen: 47.711 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 45 Resp: 384939

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	28.0	22.4	33.6
59	12.2	9.8	14.6





#23
Vinyl Acetate
Concen: 241.910 ug/l
RT: 6.618 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

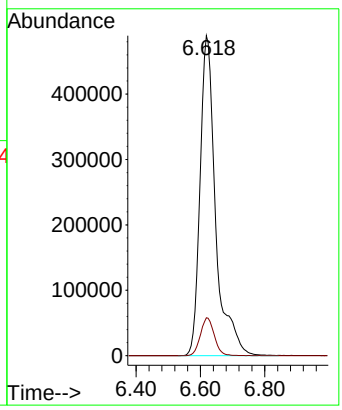
Tgt Ion: 43 Resp: 164902

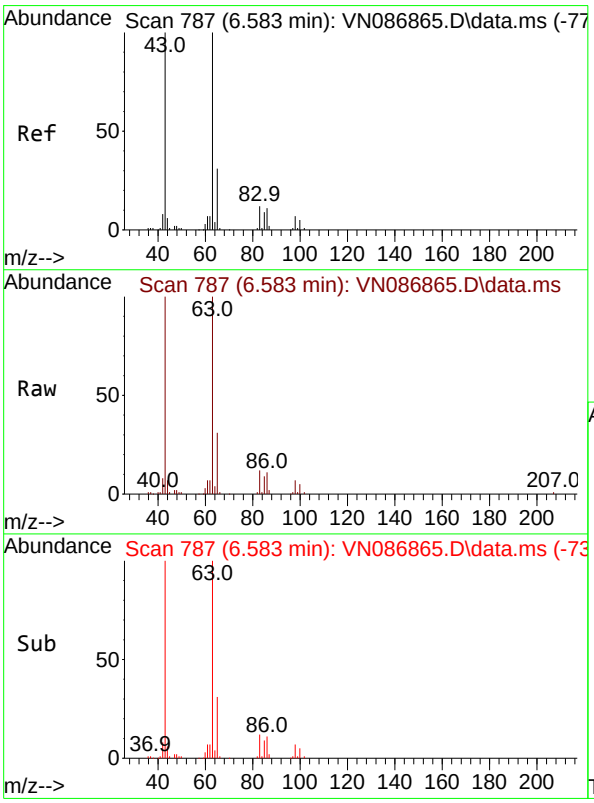
Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

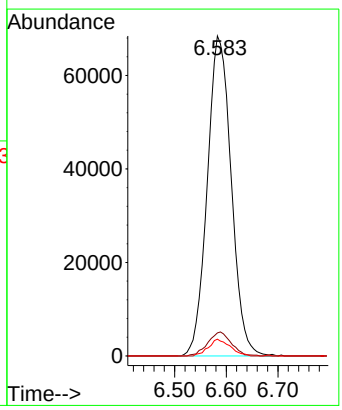


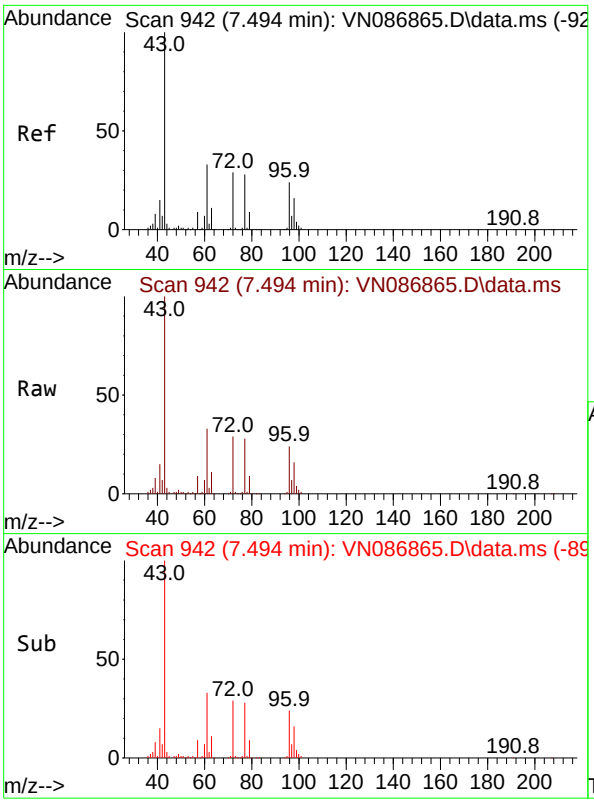


#24
1,1-Dichloroethane
Concen: 47.485 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 220477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	5.2	2.6	7.8





#25
2-Butanone
Concen: 238.693 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

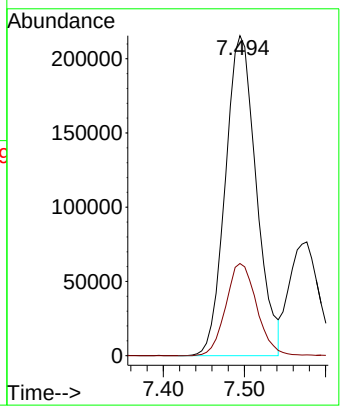
Tgt Ion: 43 Resp: 57122

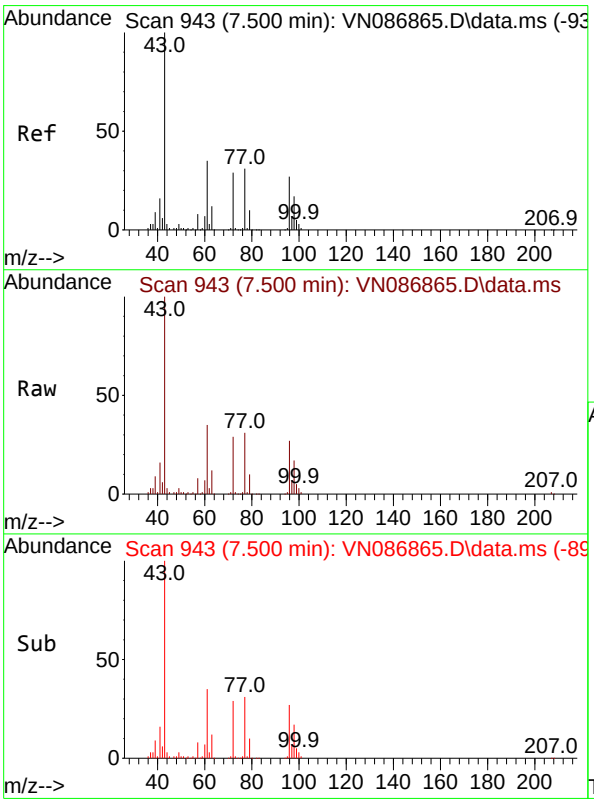
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

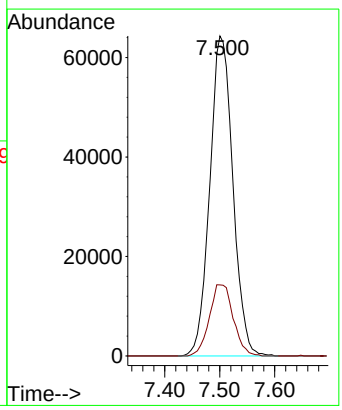


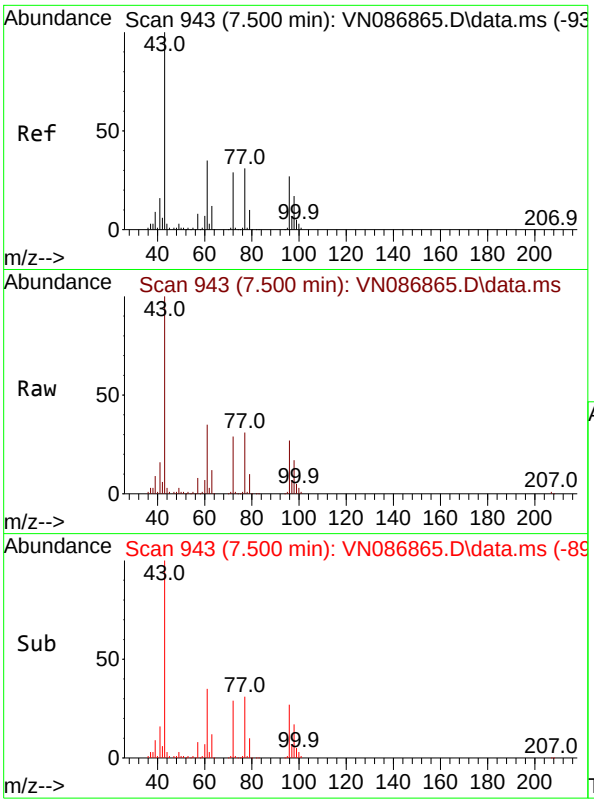


#26
2,2-Dichloropropane
Concen: 51.933 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 77 Resp: 187567

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7

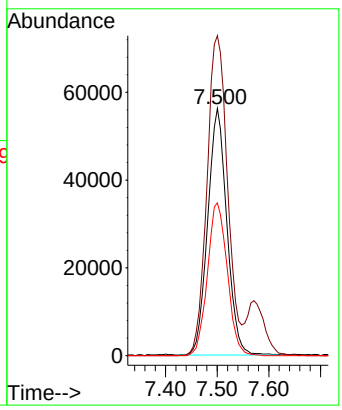




#27
cis-1,2-Dichloroethene
Concen: 47.189 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 14491

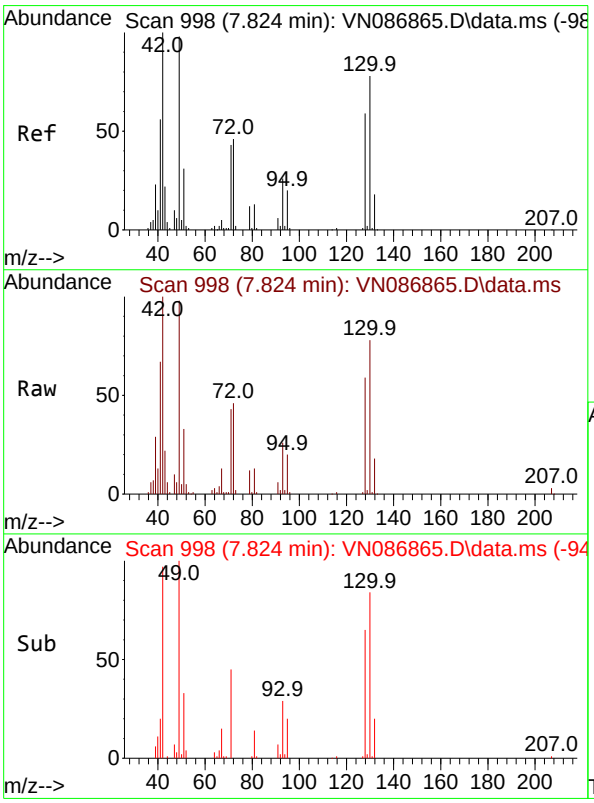
Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	278.0
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

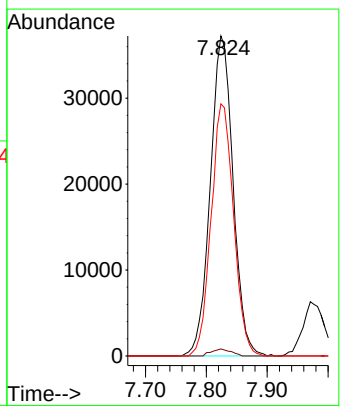
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

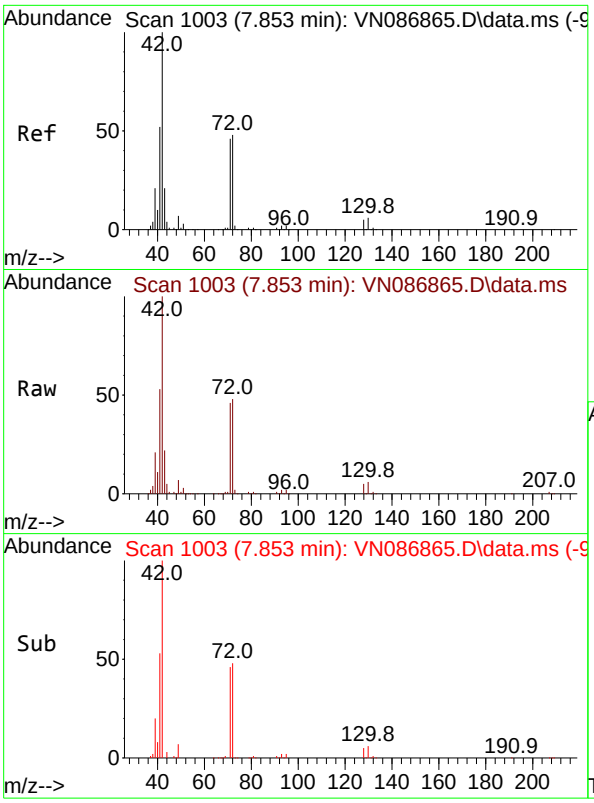


#28
Bromochloromethane
Concen: 42.362 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 49 Resp: 96707

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.7	62.2	93.2

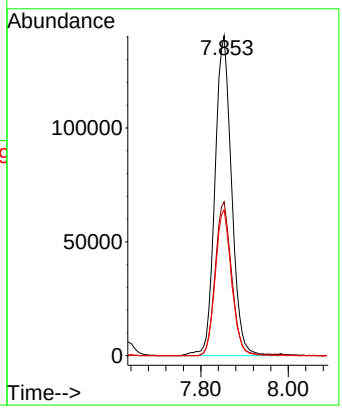




#29
Tetrahydrofuran
Concen: 238.210 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 42 Resp: 37135

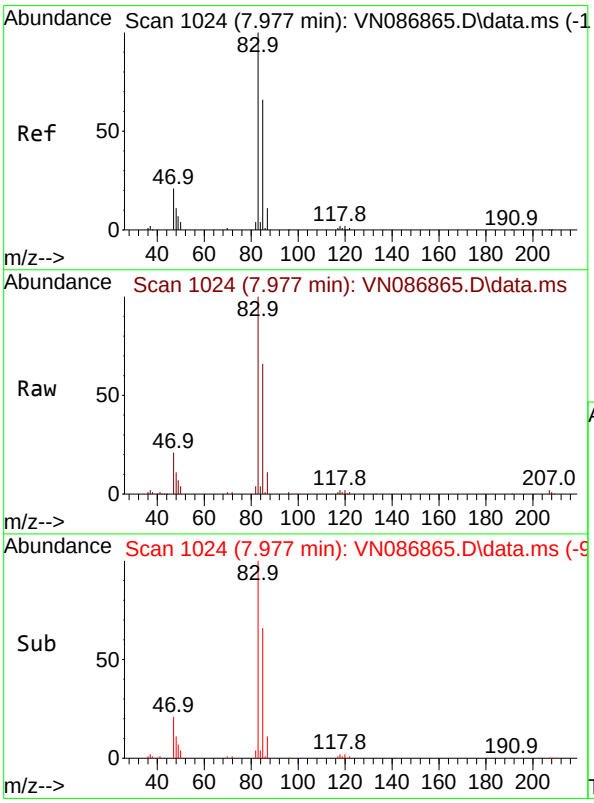
Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.5	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

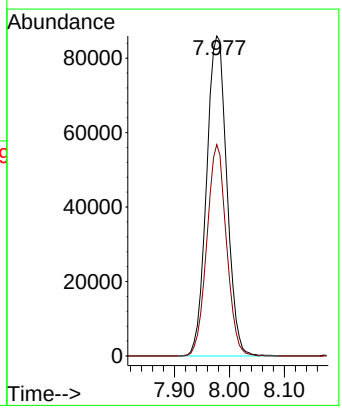
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

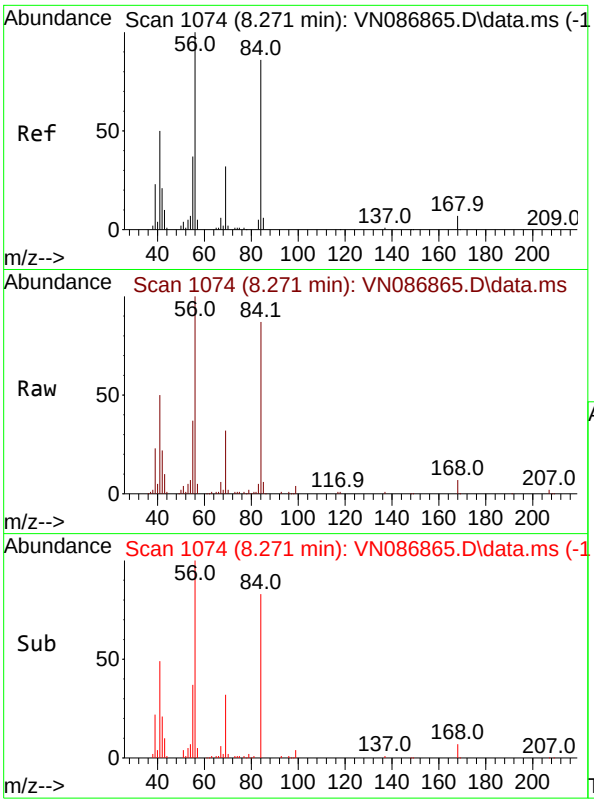


#30
Chloroform
Concen: 47.467 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 220093

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3

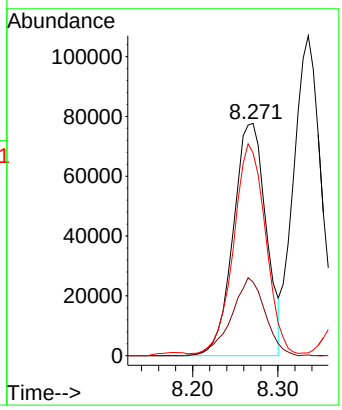




#31
Cyclohexane
Concen: 46.217 ug/l
RT: 8.271 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 56 Resp: 20810

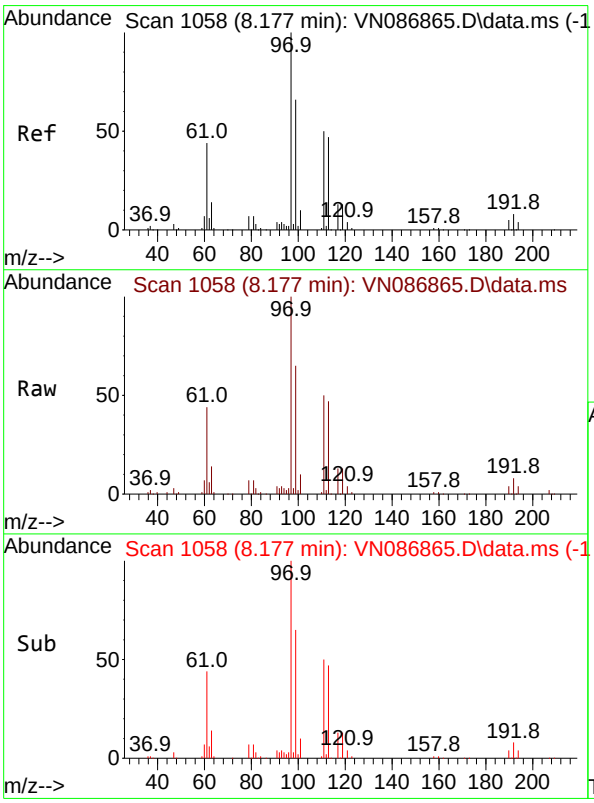
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	86.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

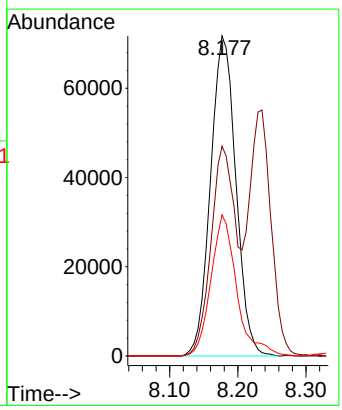
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

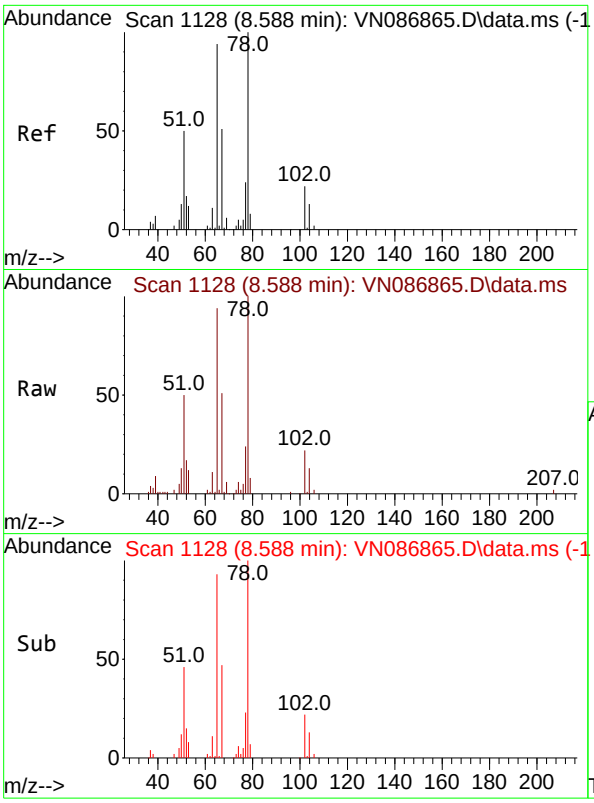


#32
1,1,1-Trichloroethane
Concen: 47.037 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 185502

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	44.9	35.9	53.9

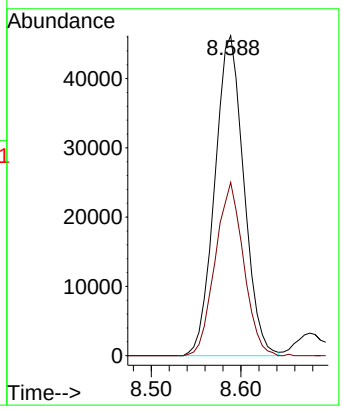




#33
1,2-Dichloroethane-d4
Concen: 37.366 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 65 Resp: 10373

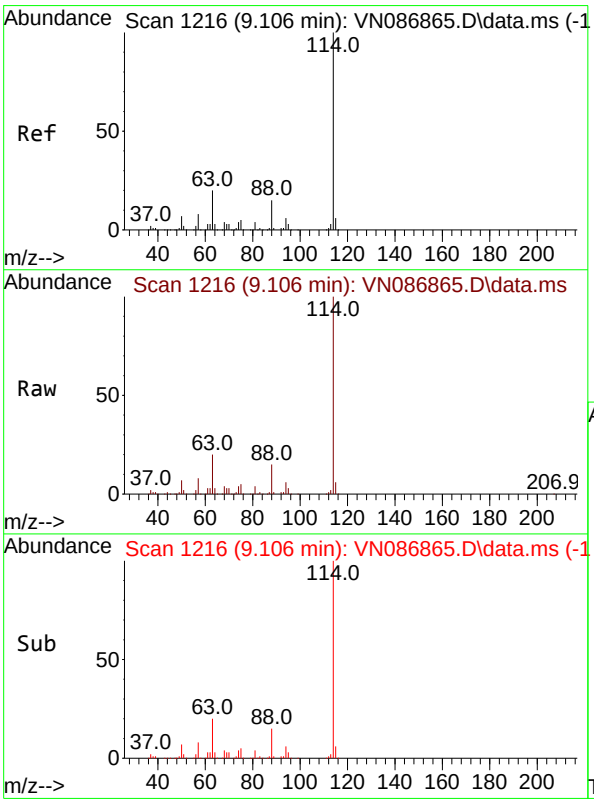
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

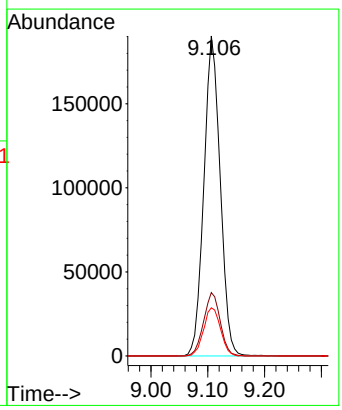
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

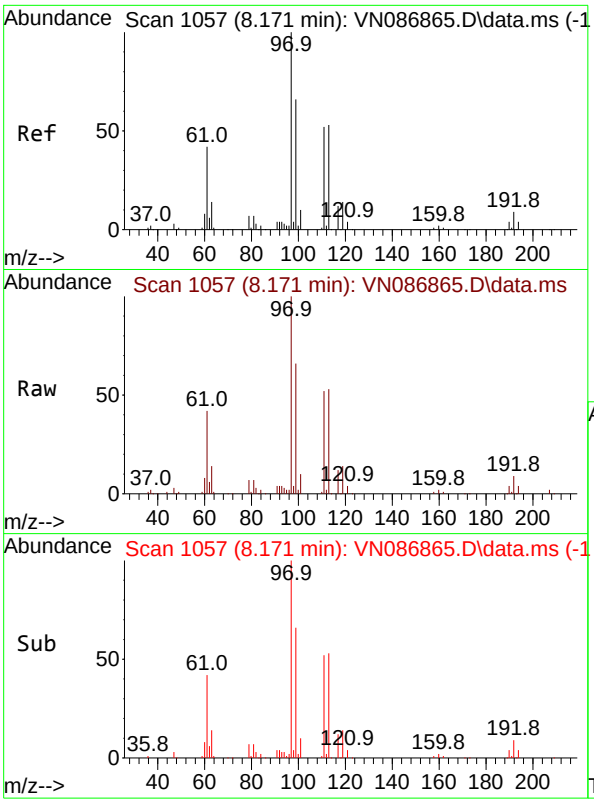


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:114 Resp: 378587

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.1	0.0	30.2

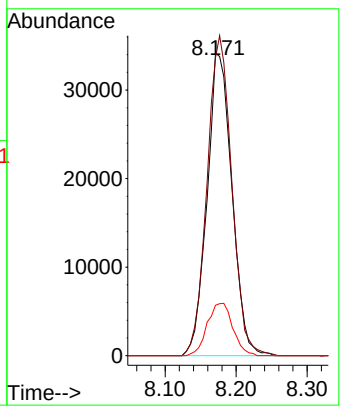




#35
Dibromofluoromethane
Concen: 37.020 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:113 Resp: 8305

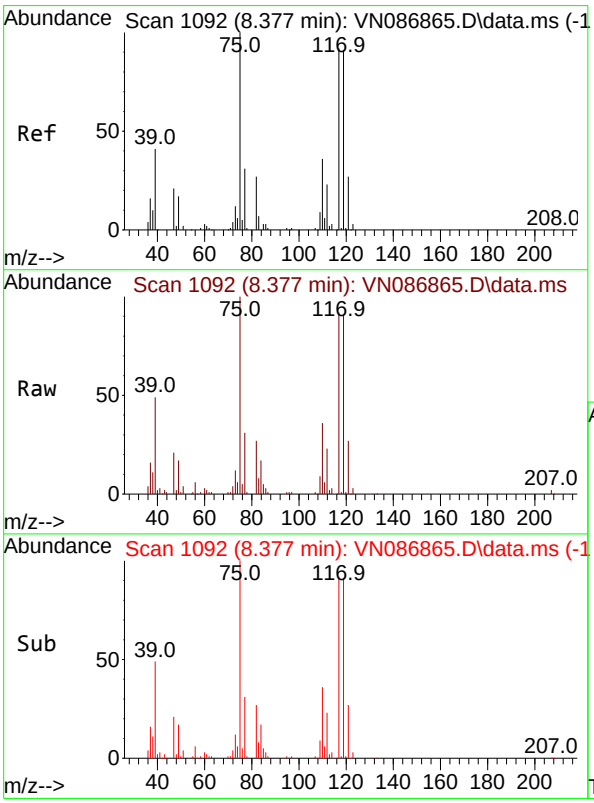
Ion	Ratio	Lower	Upper
113	100		
111	105.2	84.2	126.2
192	17.8	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

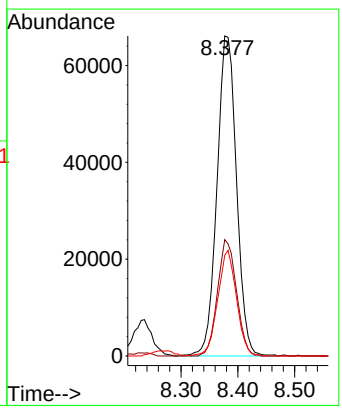
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

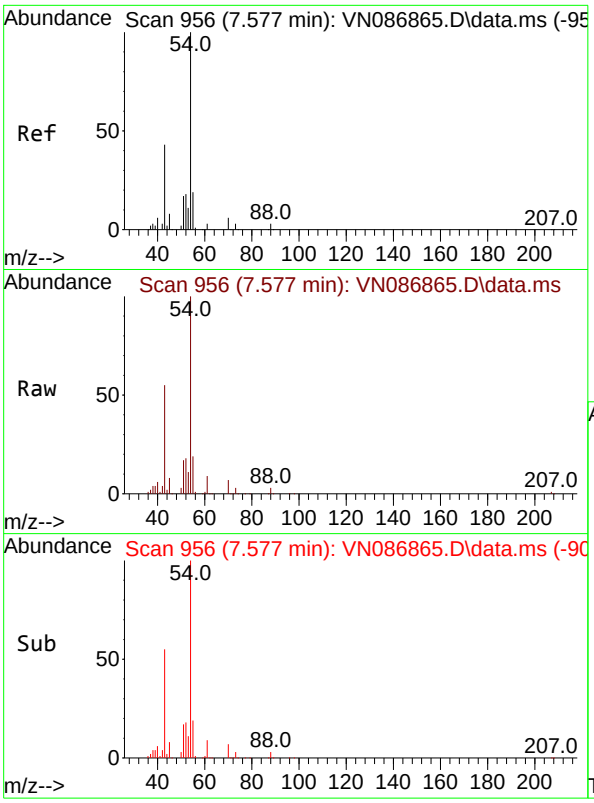


#36
1,1-Dichloropropene
Concen: 47.362 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 158341

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9

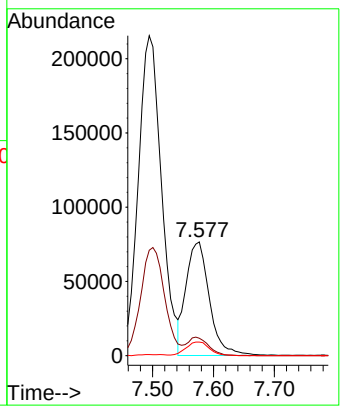




#37
Ethyl Acetate
Concen: 47.720 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 20309

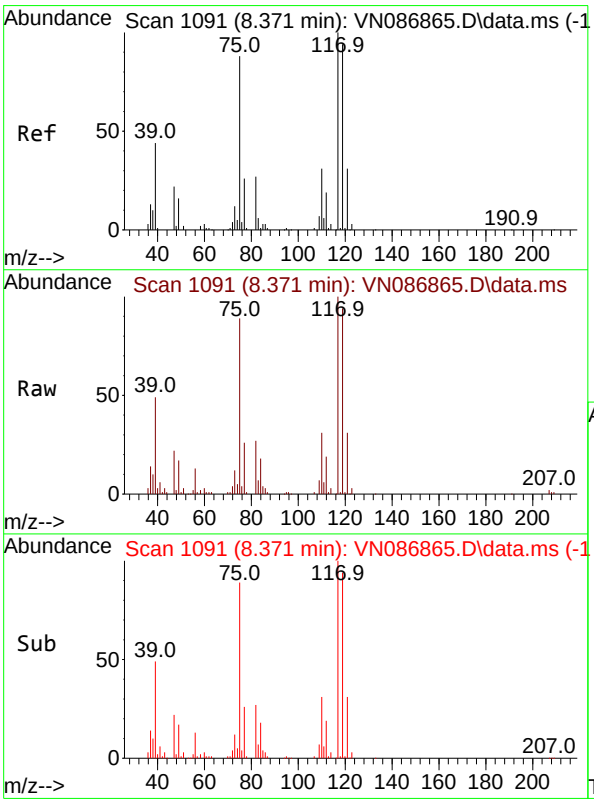
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	12.2	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

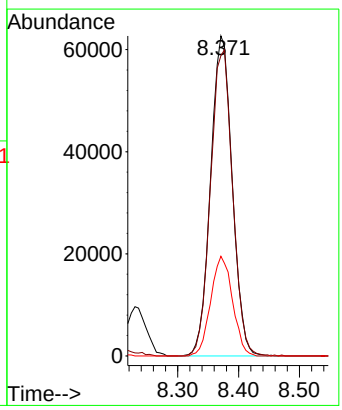
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

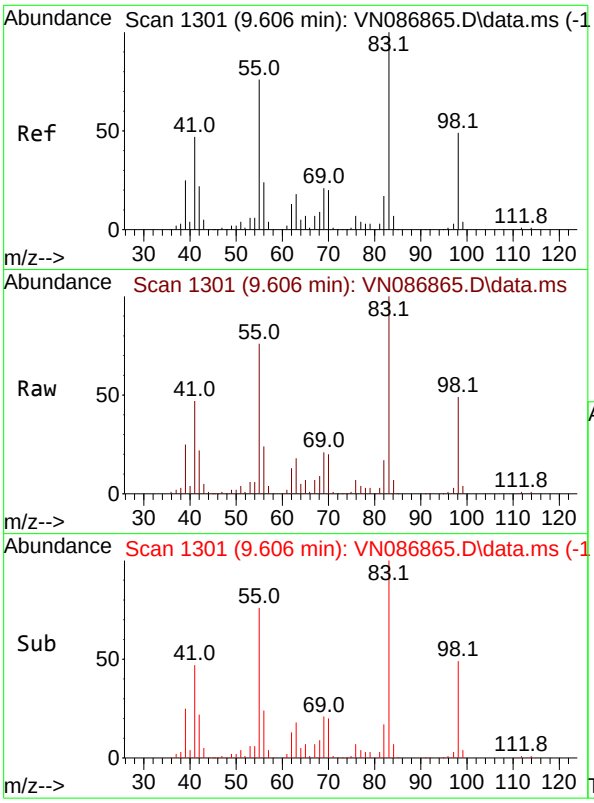


#38
Carbon Tetrachloride
Concen: 47.126 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 154677

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.1	24.9	37.3

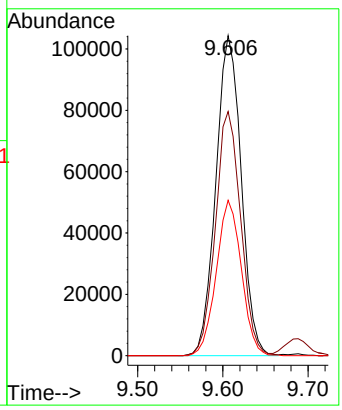




#39
Methylcyclohexane
Concen: 47.126 ug/l
RT: 9.606 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 21584

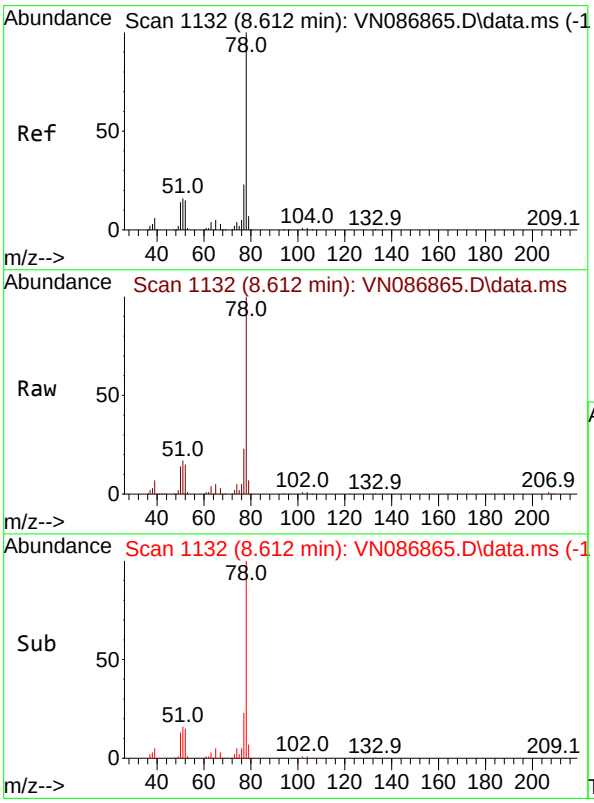
Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	48.6	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

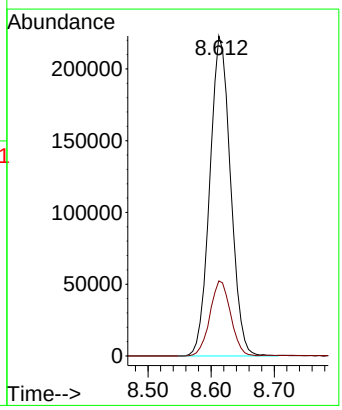
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

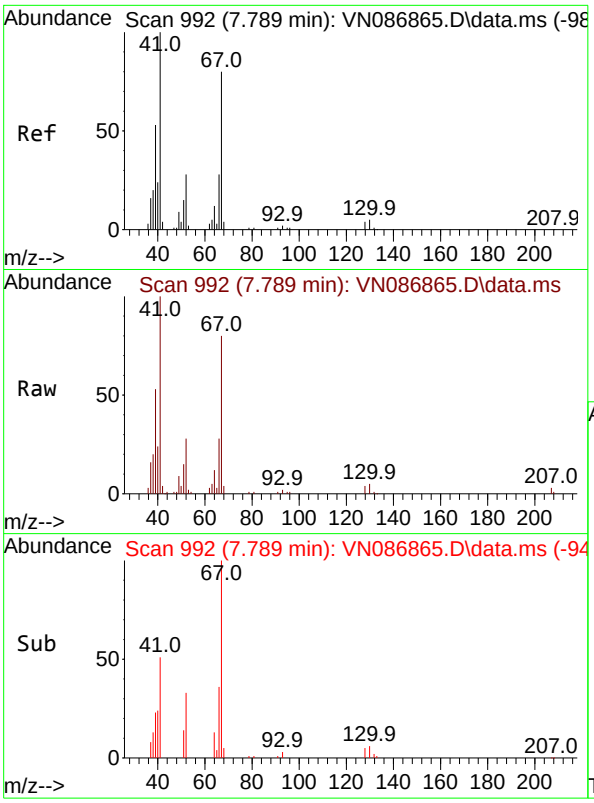


#40
Benzene
Concen: 46.590 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 78 Resp: 509334

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

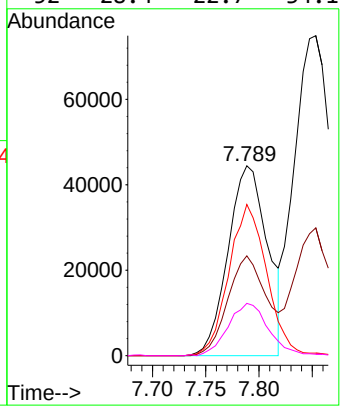




#41
Methacrylonitrile
Concen: 48.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 11472

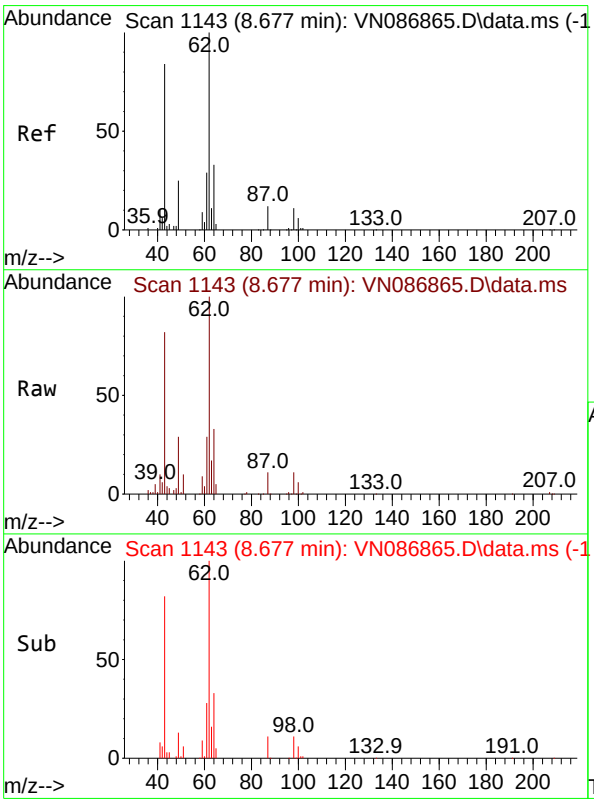
Ion	Ratio	Lower	Upper
41	100		
39	51.5	41.2	61.8
67	76.8	61.4	92.2
52	28.4	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

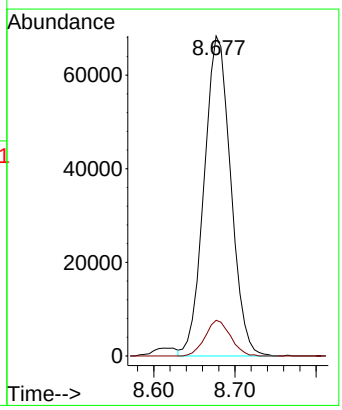
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

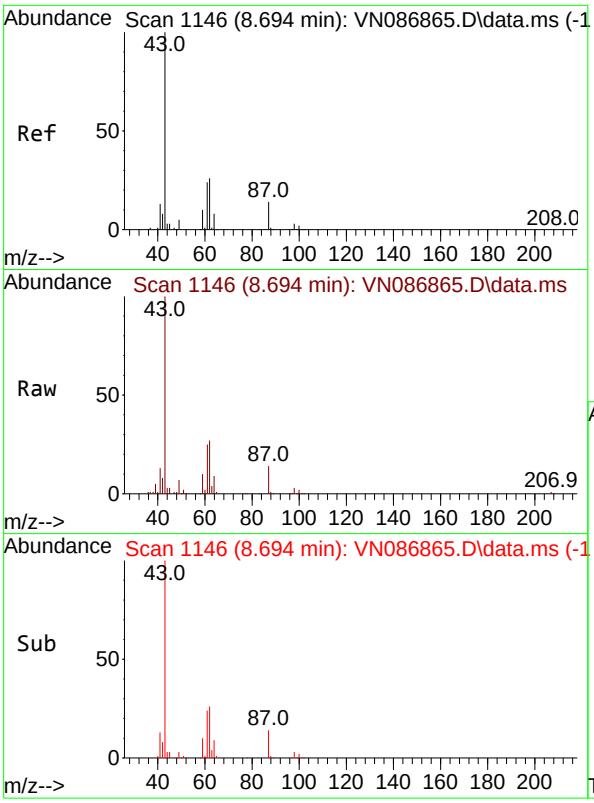


#42
1,2-Dichloroethane
Concen: 46.960 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 155713

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 47.248 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

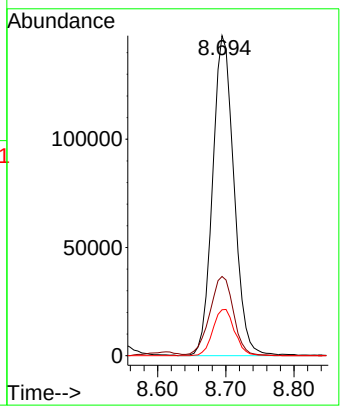
Tgt Ion: 43 Resp: 32274

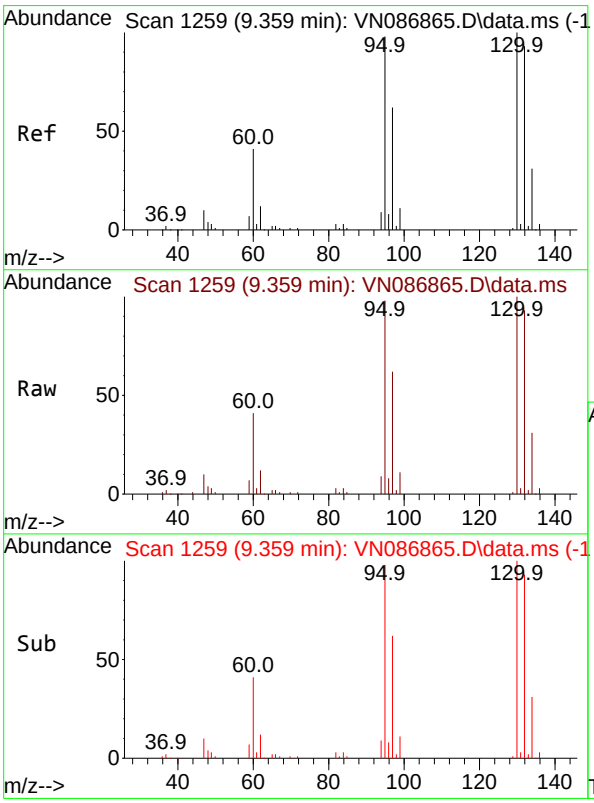
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.1	33.1
87	14.7	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

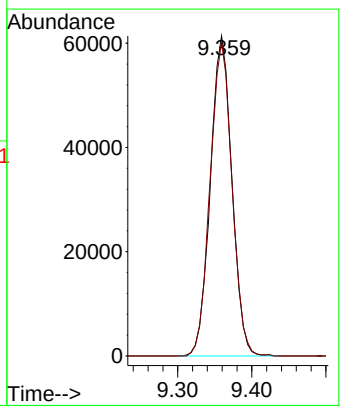


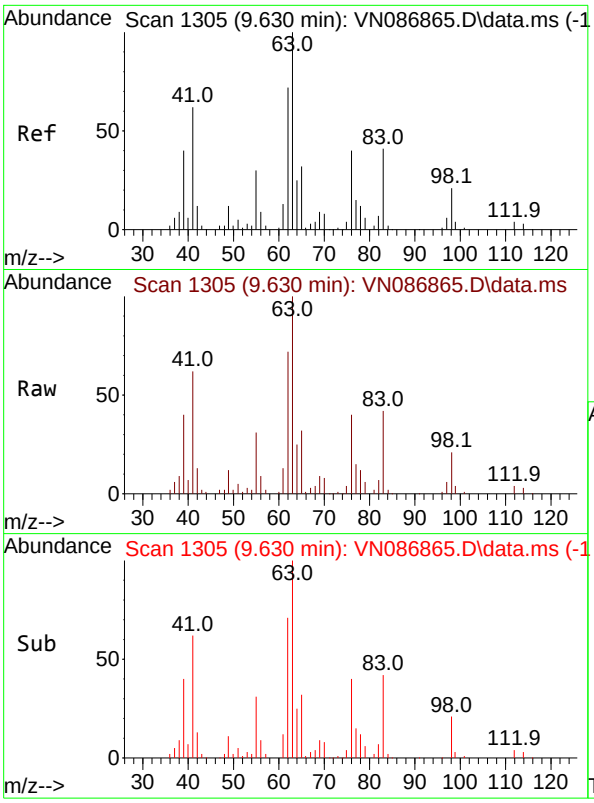


#44
Trichloroethene
Concen: 47.776 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:130 Resp: 123847

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2

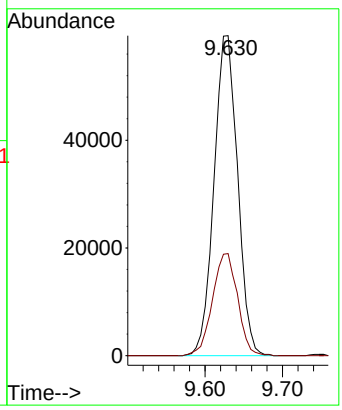




#45
1,2-Dichloropropane
Concen: 47.251 ug/l
RT: 9.630 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 12567

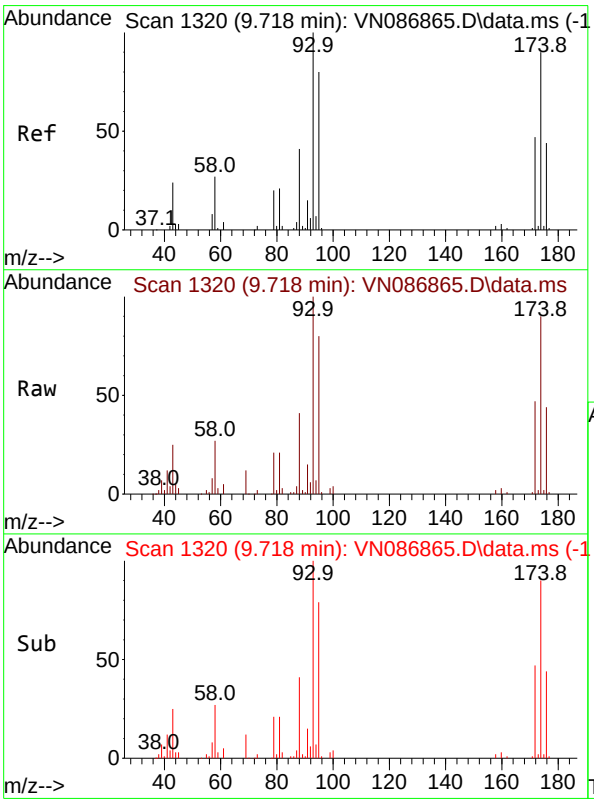
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

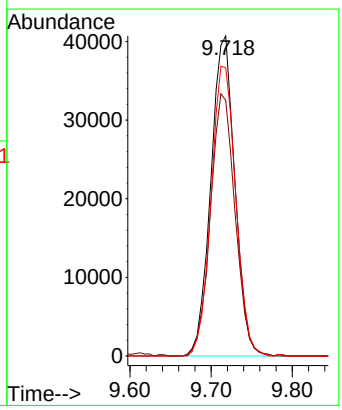
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

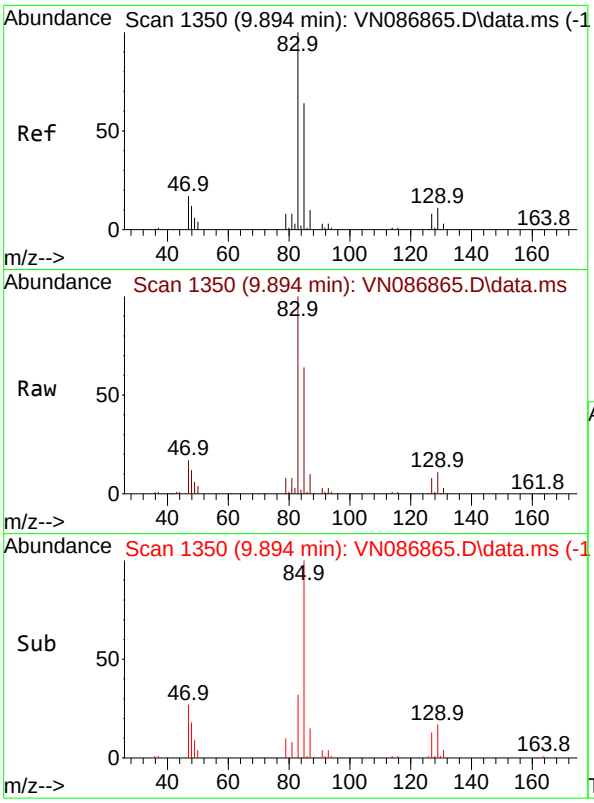


#46
Dibromomethane
Concen: 47.442 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 93 Resp: 83811

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	92.8	74.2	111.4

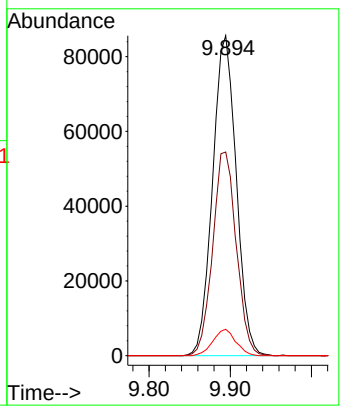




#47
Bromodichloromethane
Concen: 47.651 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 17320

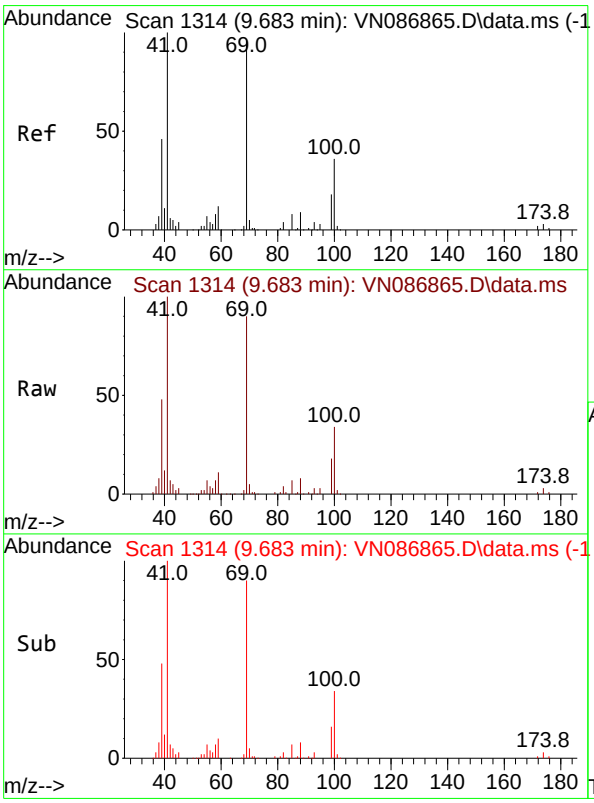
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.3	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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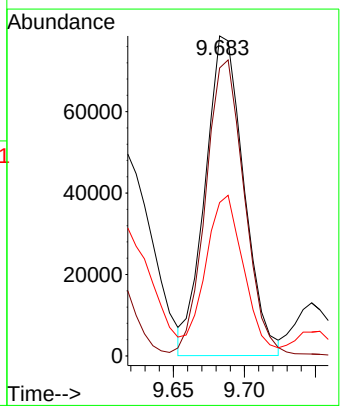
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

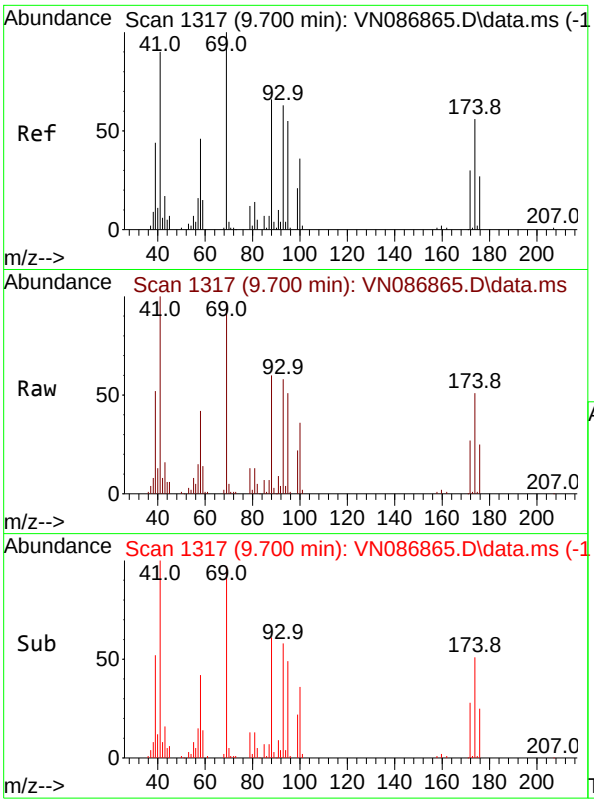


#48
Methyl methacrylate
Concen: 47.399 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 149019

Ion	Ratio	Lower	Upper
41	100		
69	93.3	74.6	112.0
39	50.3	40.2	60.4

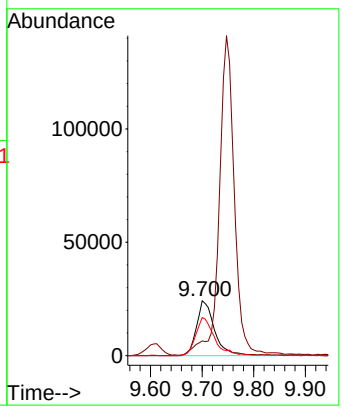




#49
1,4-Dioxane
Concen: 1032.607 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 88 Resp: 5906

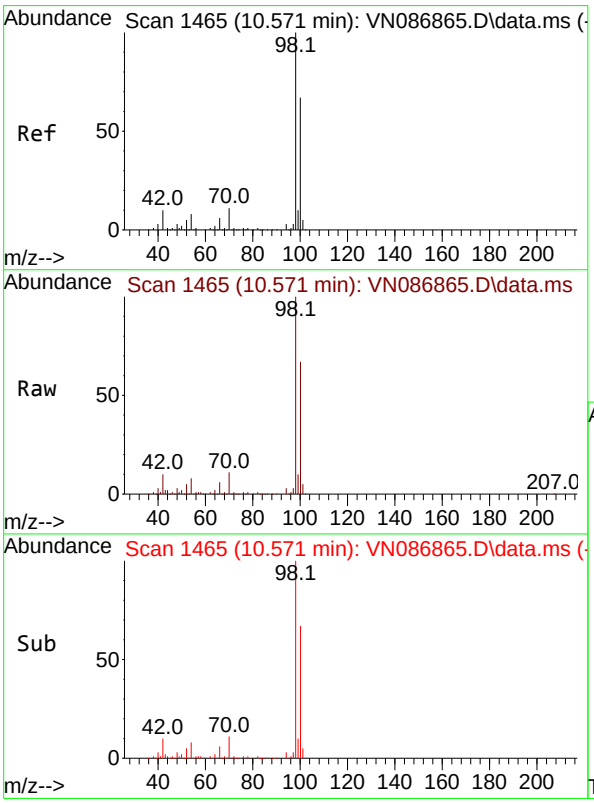
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.1	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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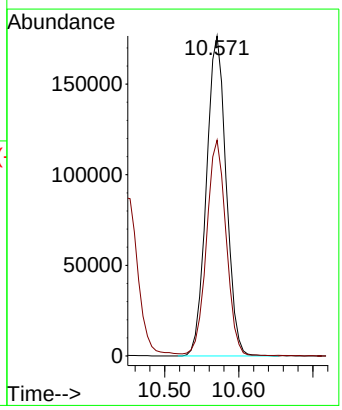
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

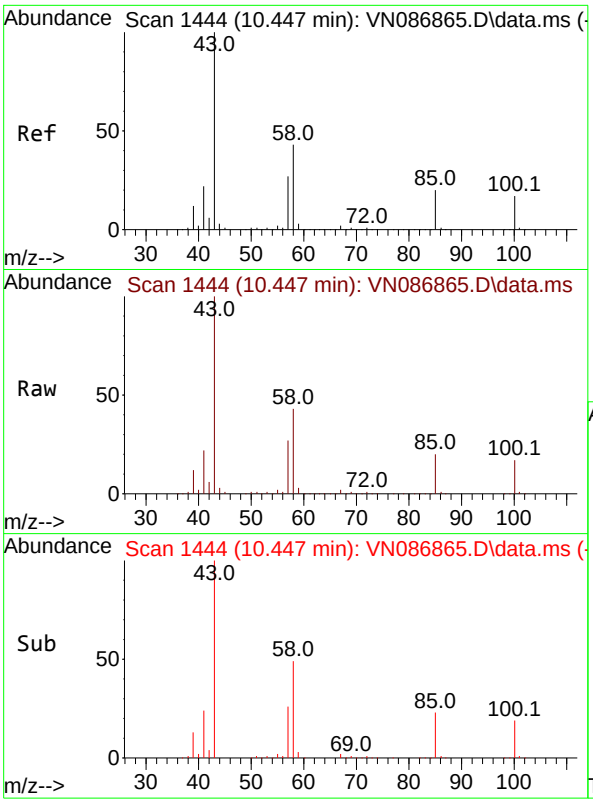


#50
Toluene-d8
Concen: 36.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 98 Resp: 326105

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 247.484 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

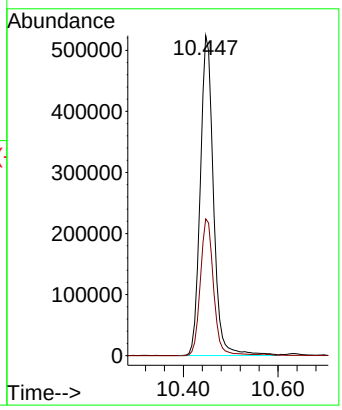
Tgt Ion: 43 Resp: 101768

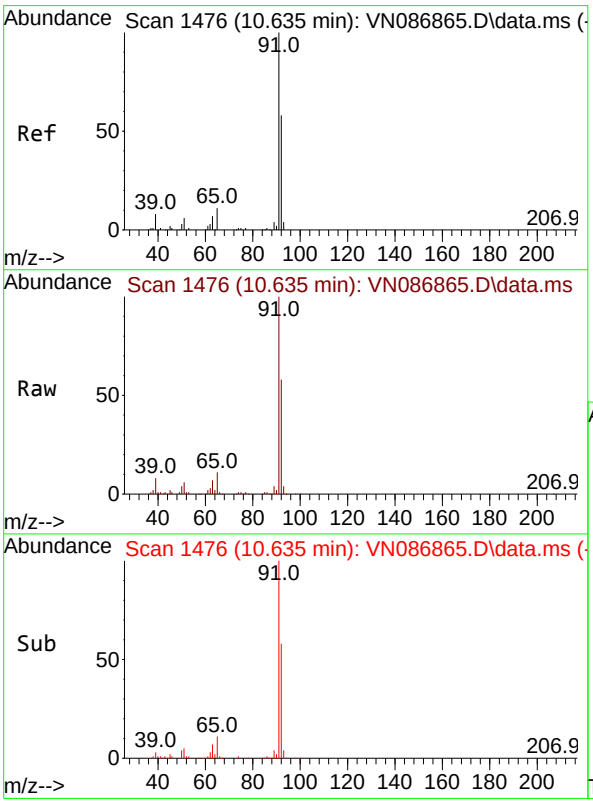
Ion	Ratio	Lower	Upper
43	100		
58	42.8	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

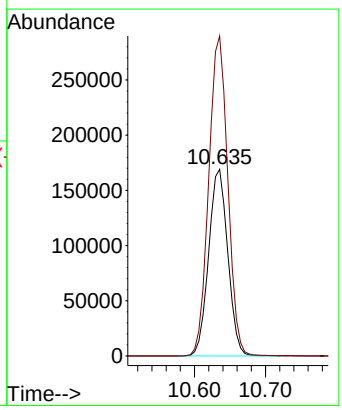


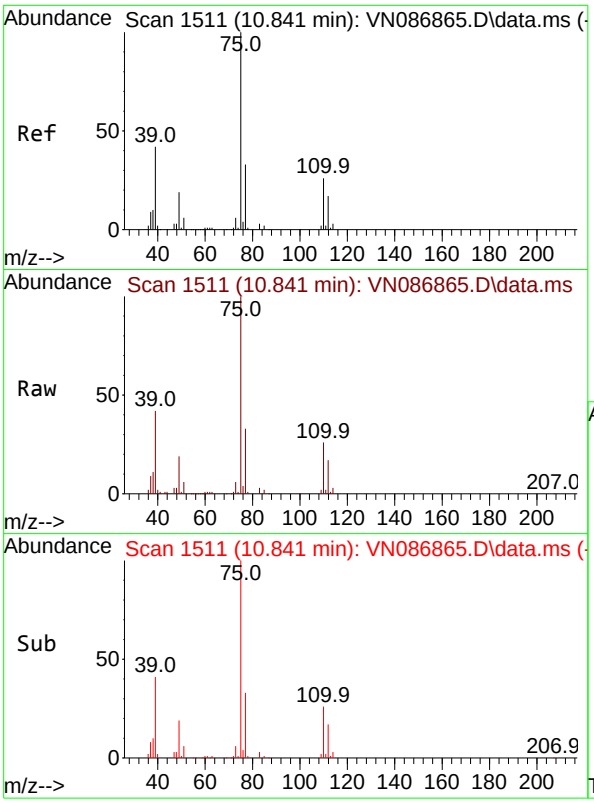


#52
Toluene
Concen: 47.331 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 92 Resp: 316219

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7

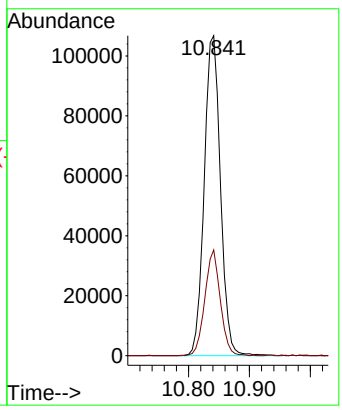




#53
t-1,3-Dichloropropene
Concen: 48.587 ug/l
RT: 10.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 19747

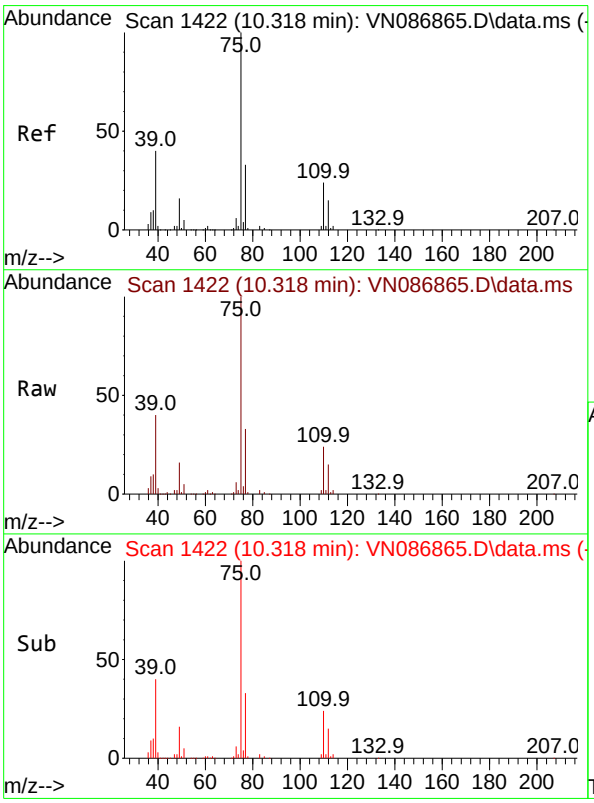
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

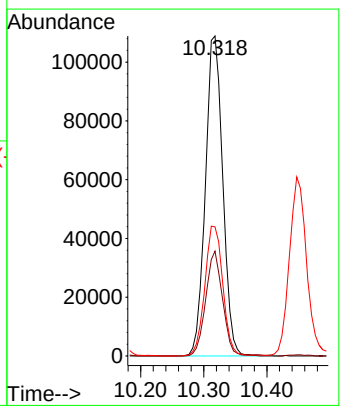
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

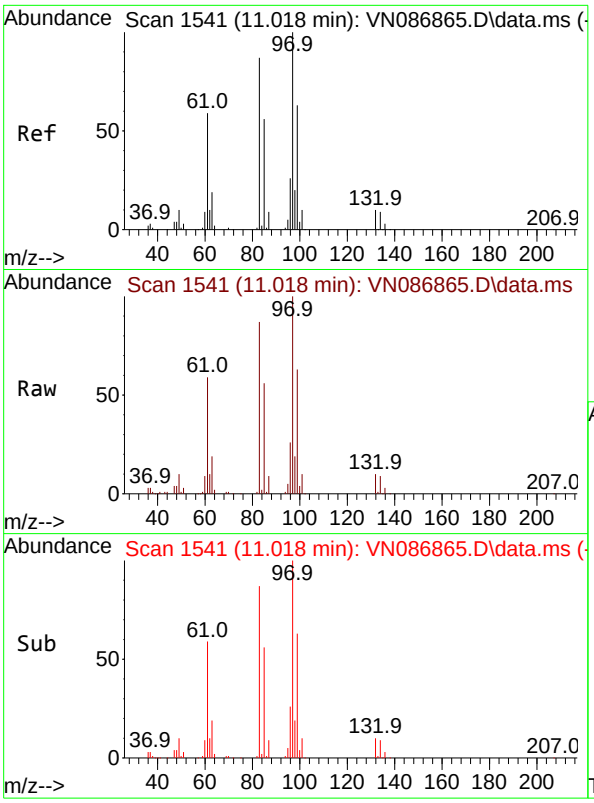


#54
cis-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 208523

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
39	40.4	32.3	48.5

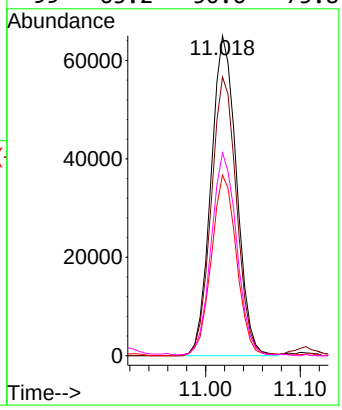




#55
1,1,2-Trichloroethane
Concen: 47.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 12196

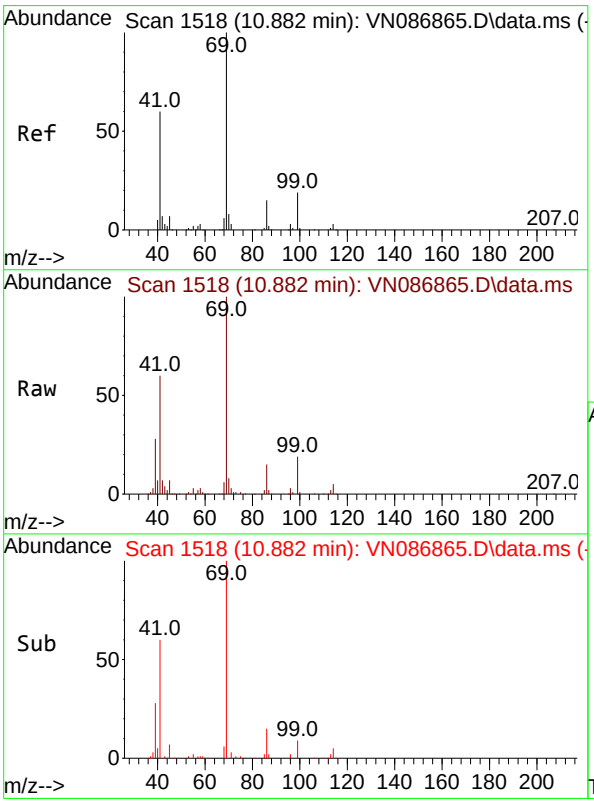
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	56.4	45.1	67.7
99	63.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

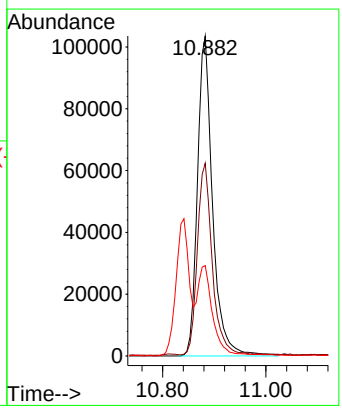
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

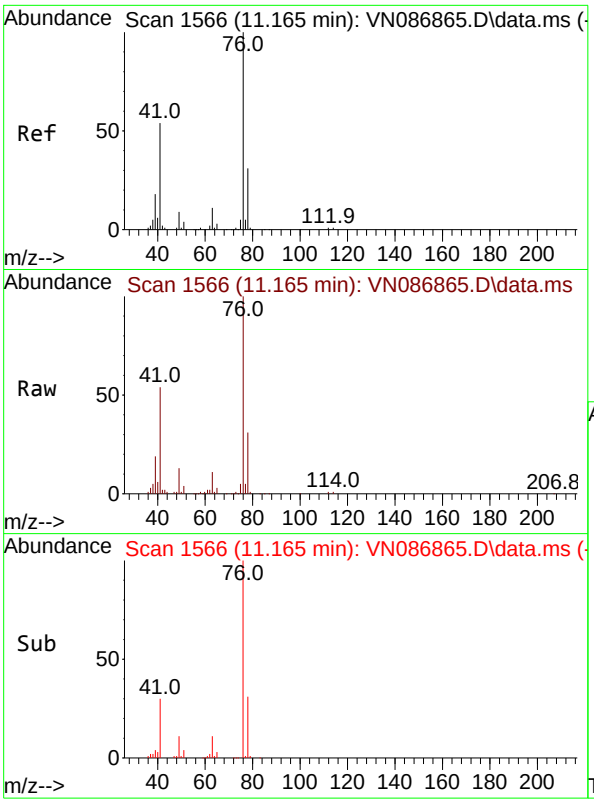


#56
Ethyl methacrylate
Concen: 51.401 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 69 Resp: 210467

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	28.8	23.0	34.6

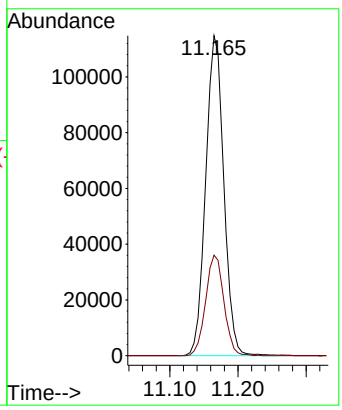




#57
1,3-Dichloropropane
Concen: 47.593 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 76 Resp: 21224

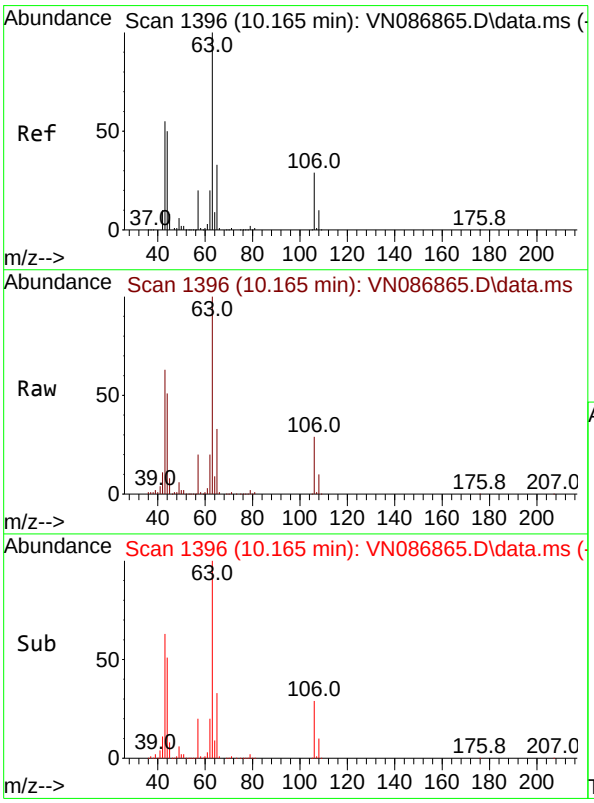
Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

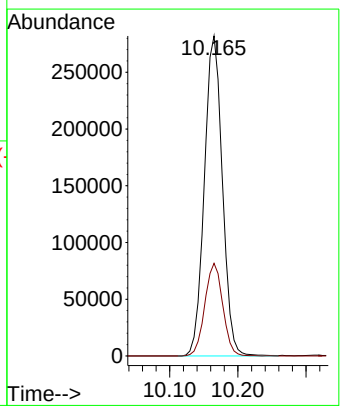
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

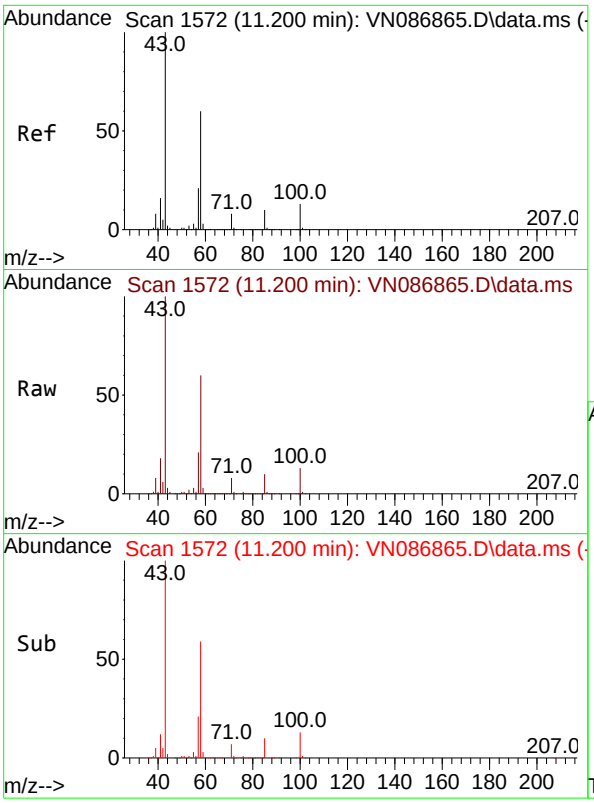


#58
2-Chloroethyl Vinyl ether
Concen: 212.570 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 519139

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





#59
2-Hexanone
Concen: 262.977 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

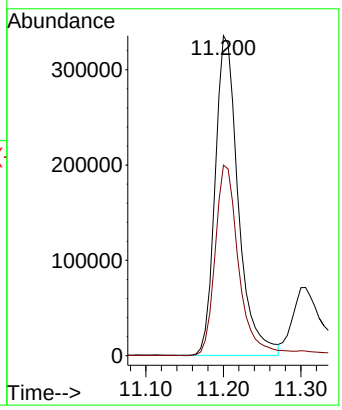
Tgt Ion: 43 Resp: 69656

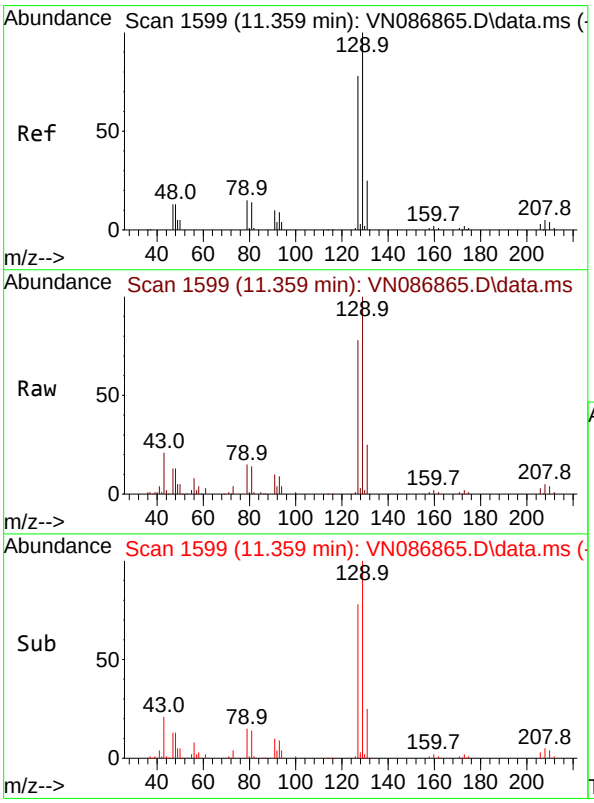
Ion	Ratio	Lower	Upper
43	100		
58	60.9	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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

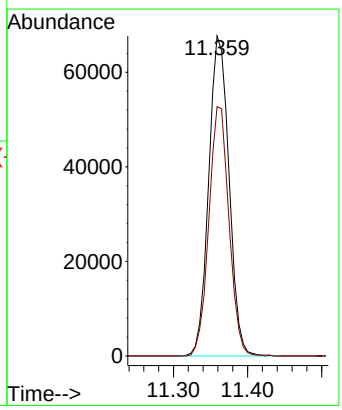


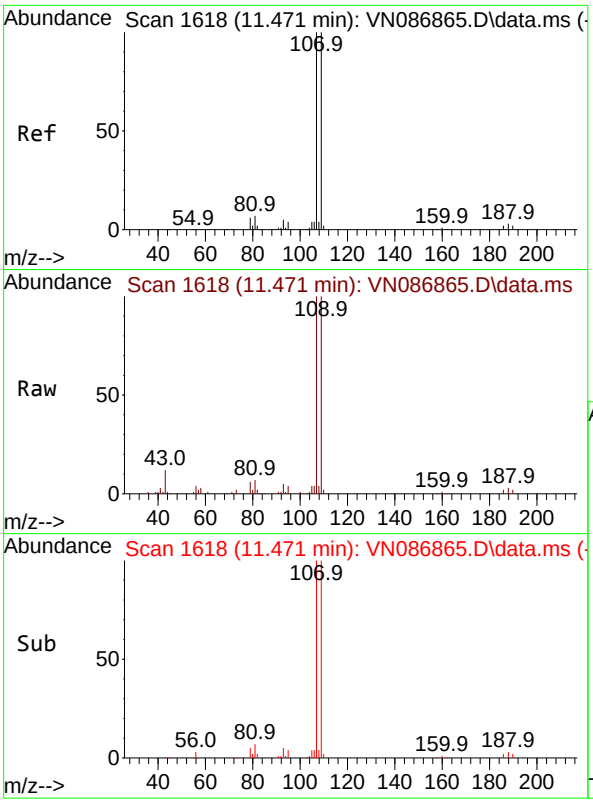


#60
Dibromochloromethane
Concen: 48.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:129 Resp: 128715

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8





#61
1,2-Dibromoethane
Concen: 47.258 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

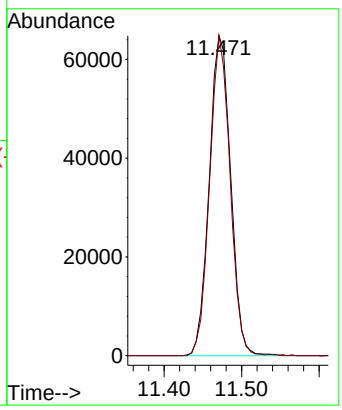
Tgt Ion:107 Resp: 12452

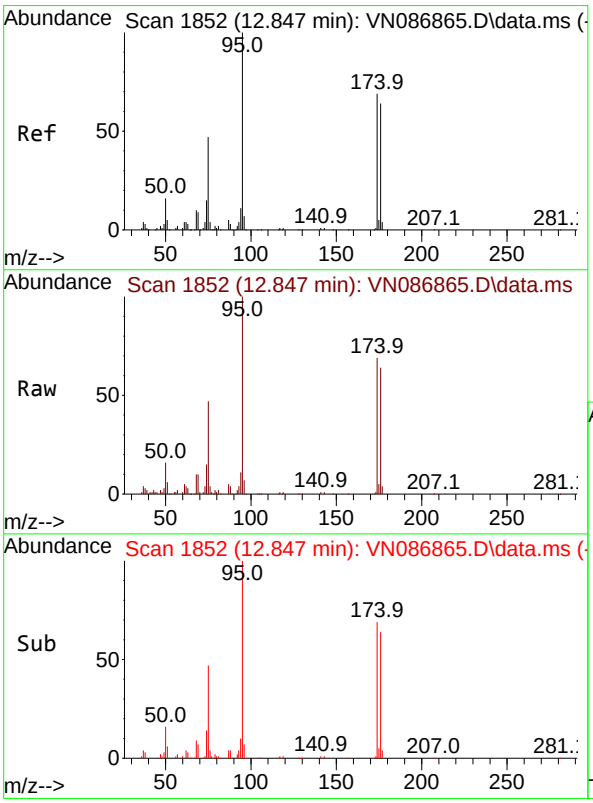
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

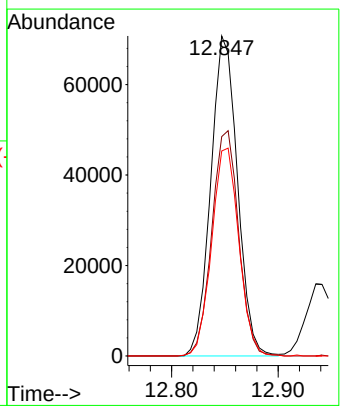


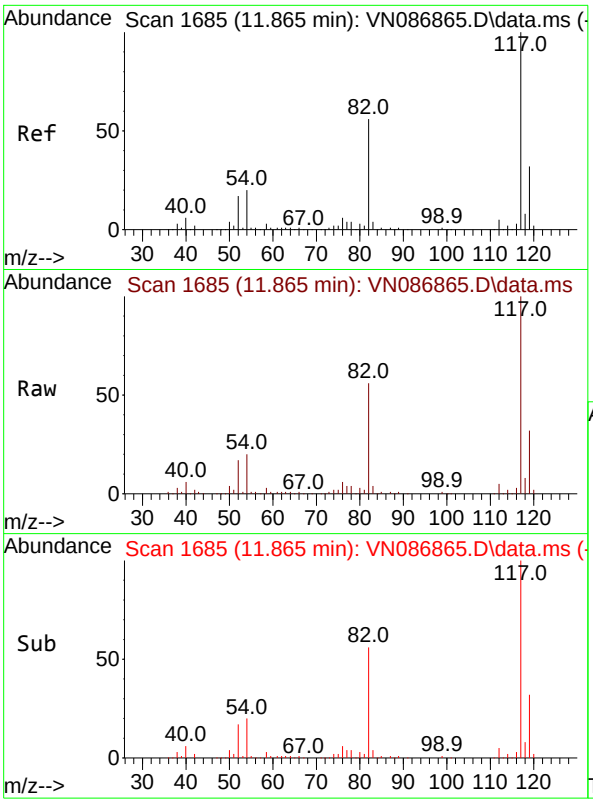


#62
4-Bromofluorobenzene
Concen: 37.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 95 Resp: 122965

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.8
176	66.3	0.0	132.6

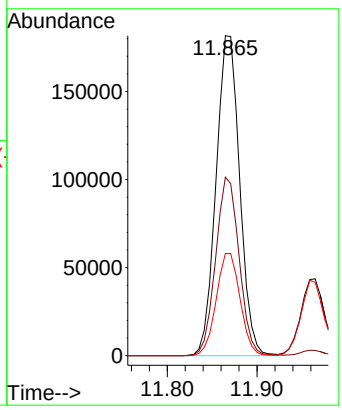




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 33276

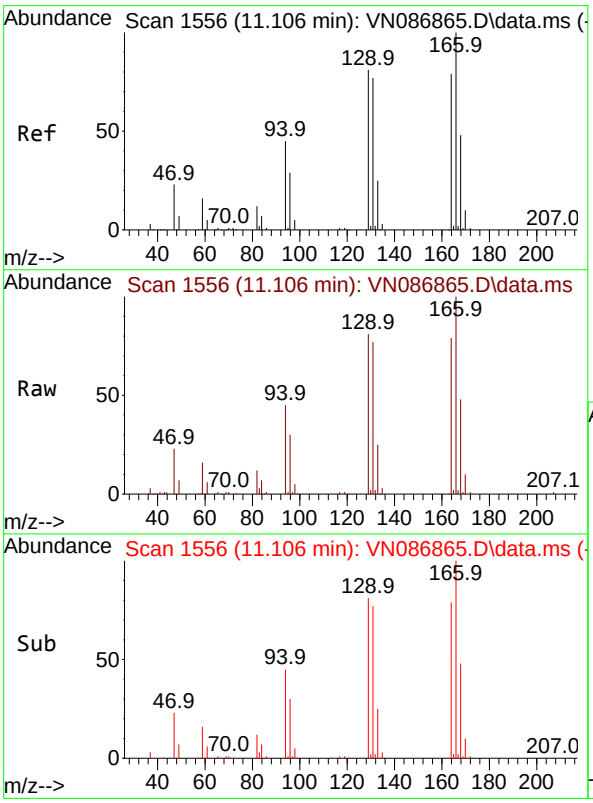
Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

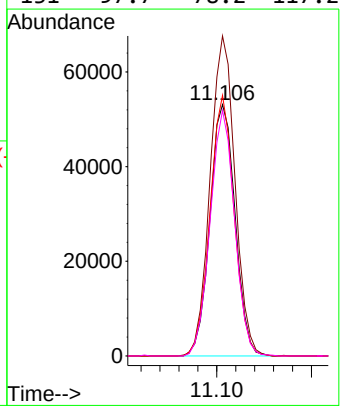
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

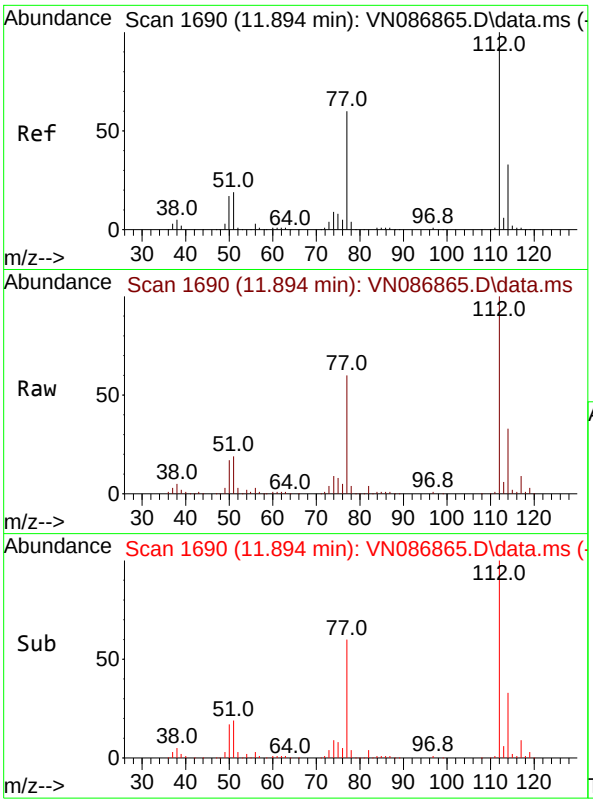


#64
Tetrachloroethene
Concen: 46.382 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:164 Resp: 97679

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	103.7	83.0	124.4
131	97.7	78.2	117.2

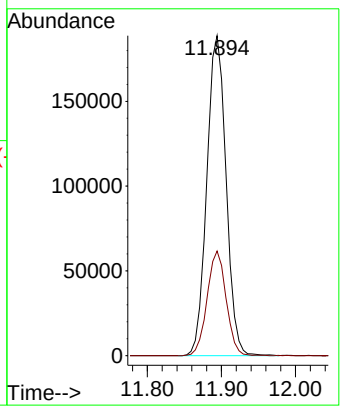




#65
Chlorobenzene
Concen: 46.386 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:112 Resp: 34043

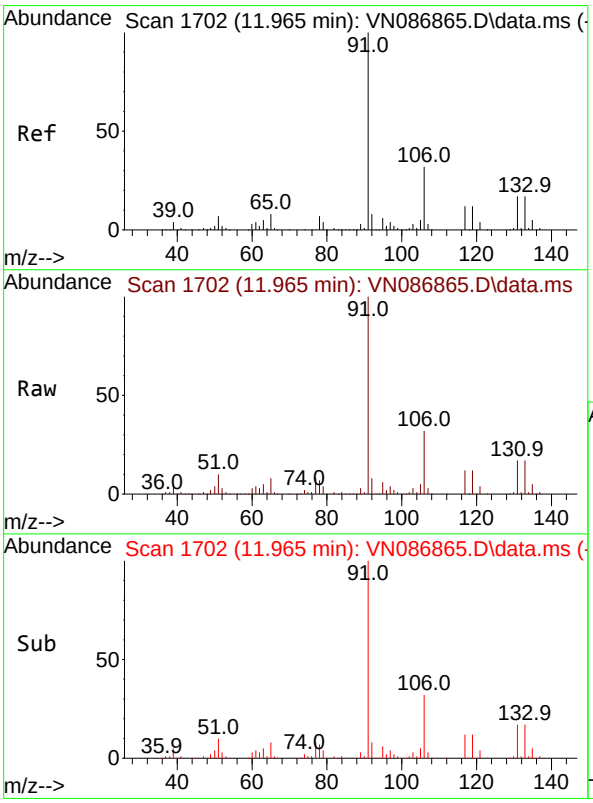
Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

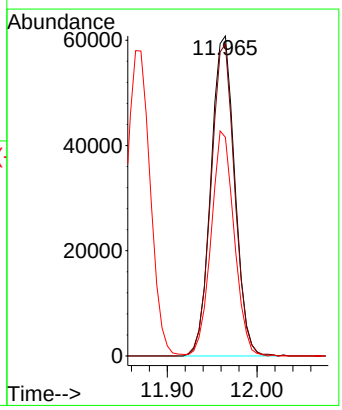
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

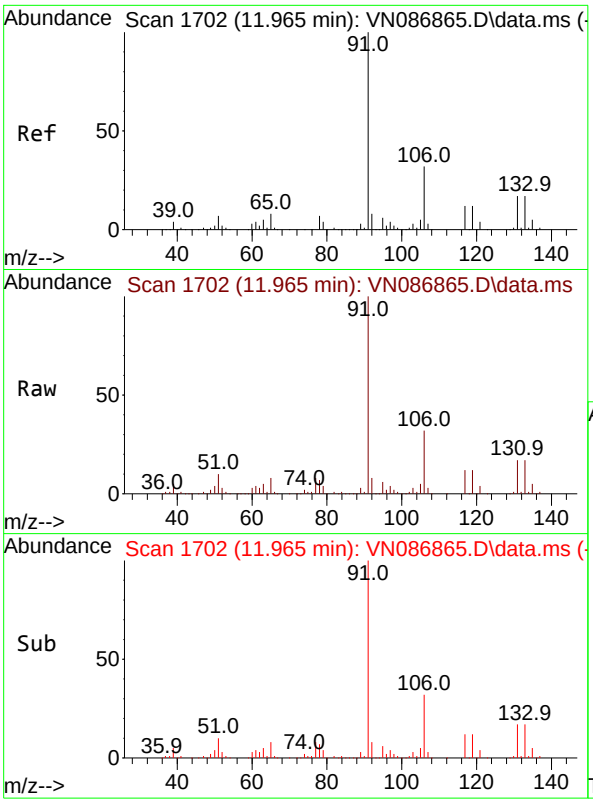


#66
1,1,1,2-Tetrachloroethane
Concen: 47.615 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:131 Resp: 112333

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	67.9	34.0	101.8





#67
Ethyl Benzene
Concen: 47.271 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

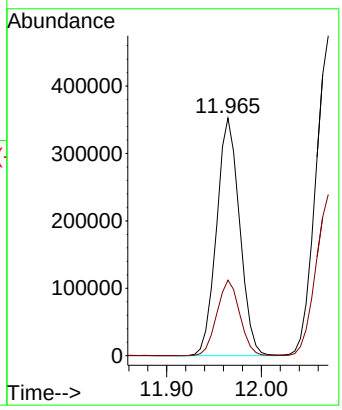
Tgt Ion: 91 Resp: 59759

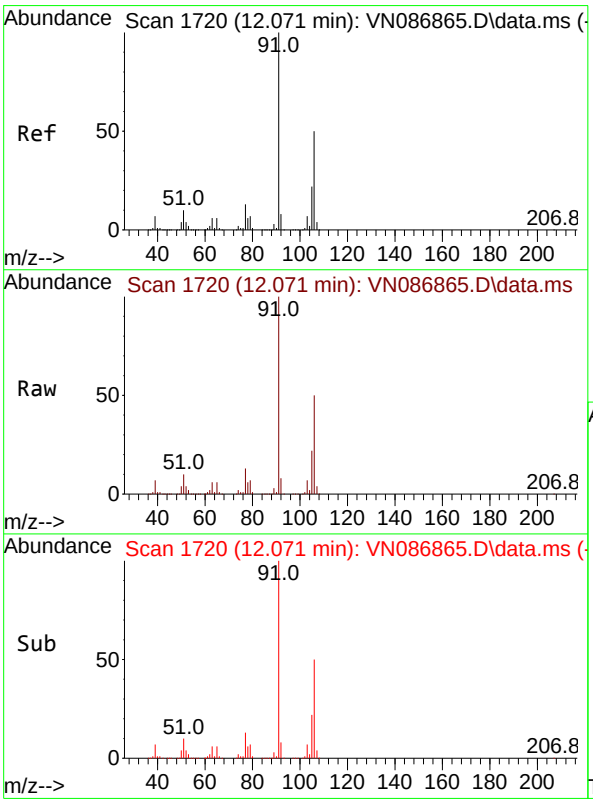
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

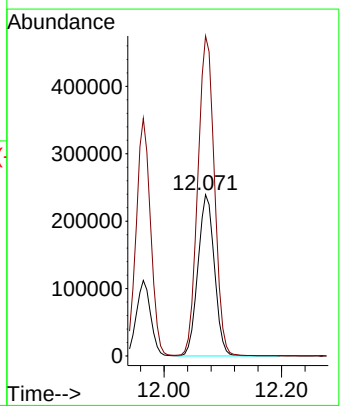


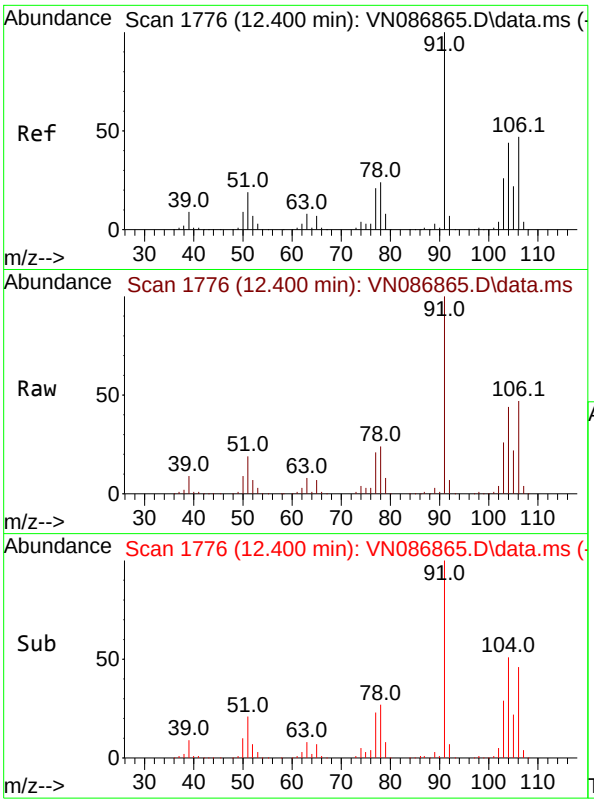


#68
m/p-Xylenes
Concen: 96.424 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 466620

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0

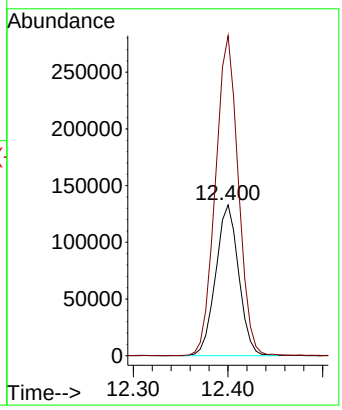




#69
o-Xylene
Concen: 48.395 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 22429

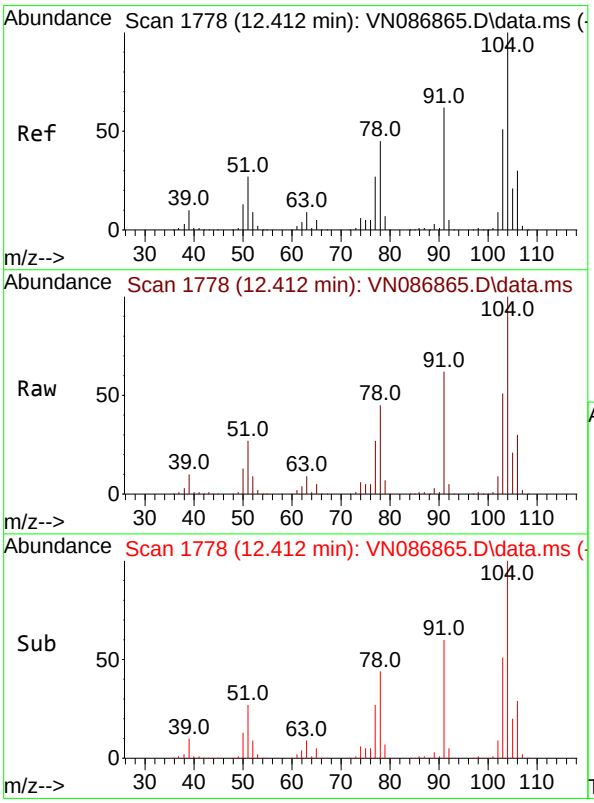
Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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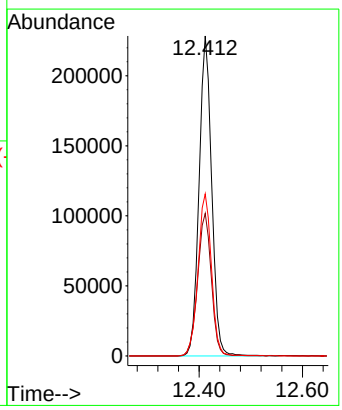
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

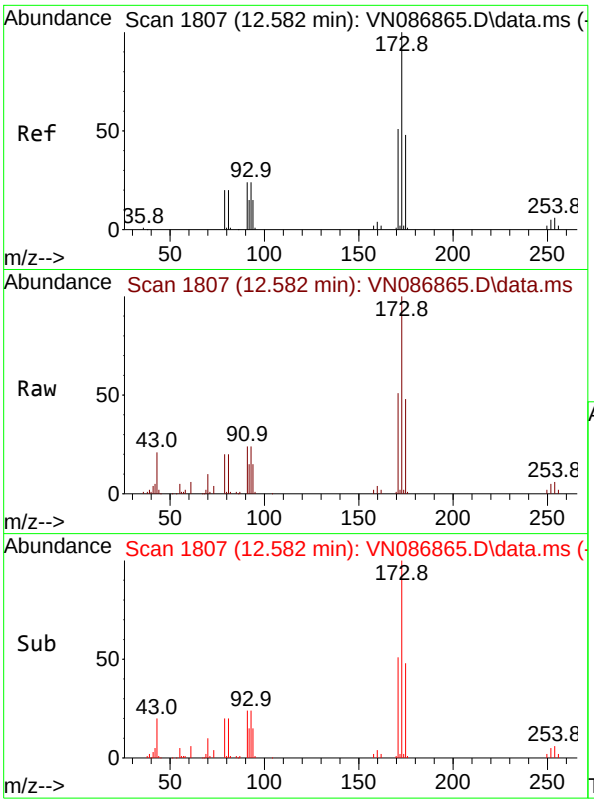


#70
Styrene
Concen: 48.745 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:104 Resp: 386596

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	53.9	43.1	64.7

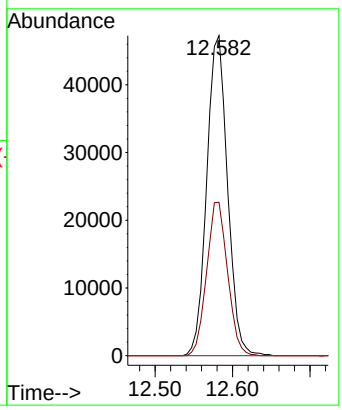




#71
Bromoform
Concen: 50.415 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:173 Resp: 8812

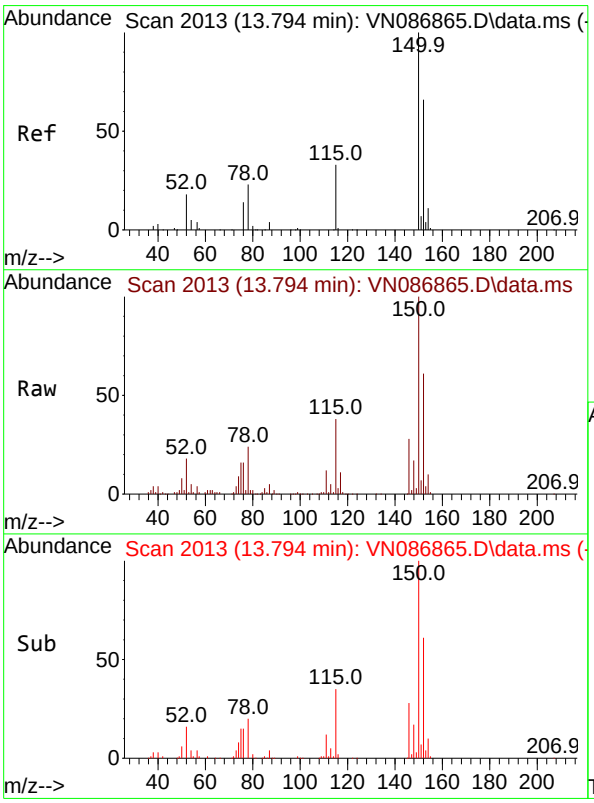
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

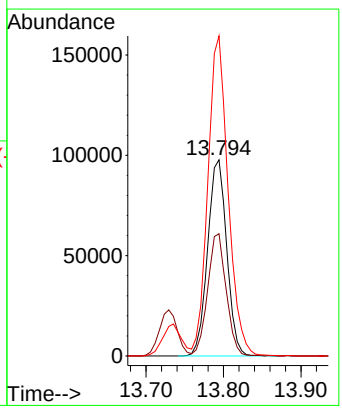
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

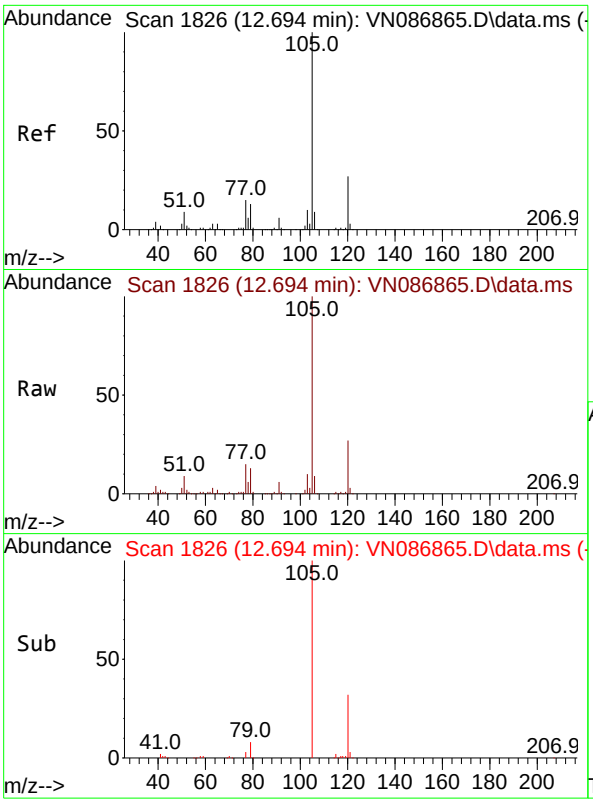


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:152 Resp: 167532

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	172.5	0.0	345.0

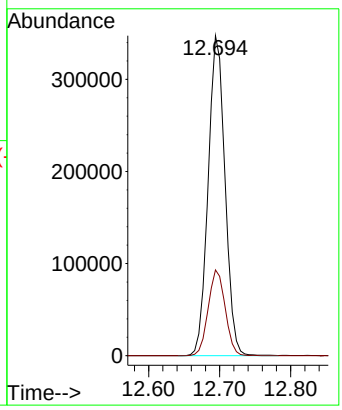




#73
Isopropylbenzene
Concen: 47.023 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 57390

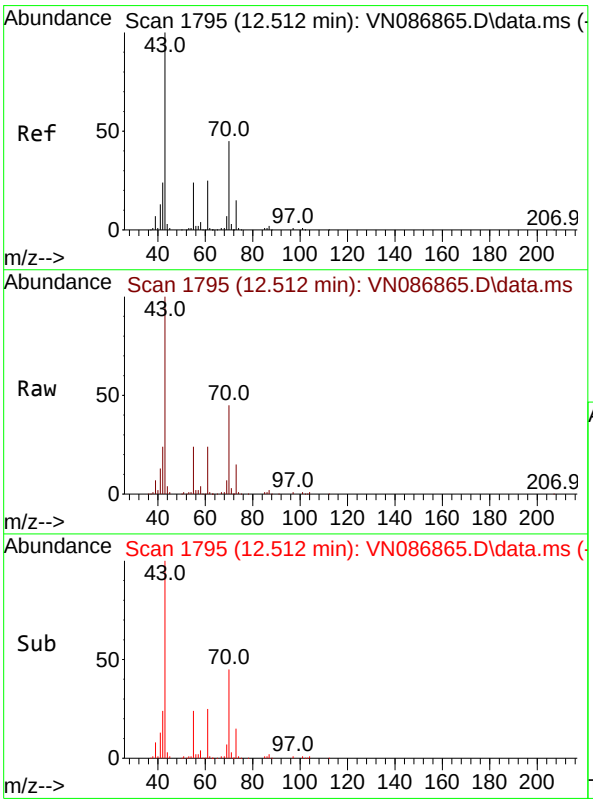
Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

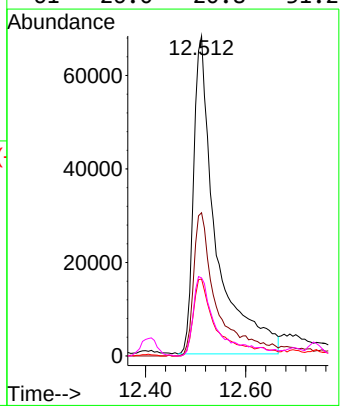
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

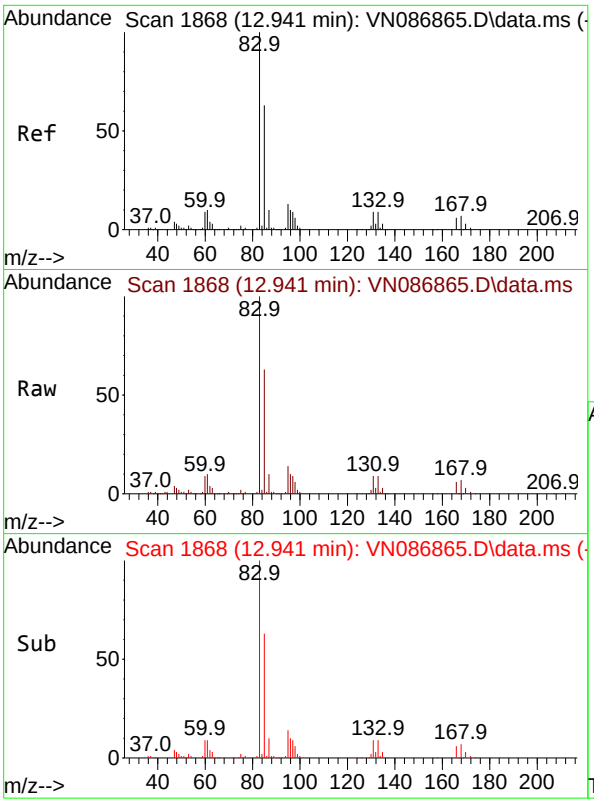


#74
N-amyl acetate
Concen: 52.353 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 212064

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.6	56.4
55	23.8	19.0	28.6
61	26.0	20.8	31.2

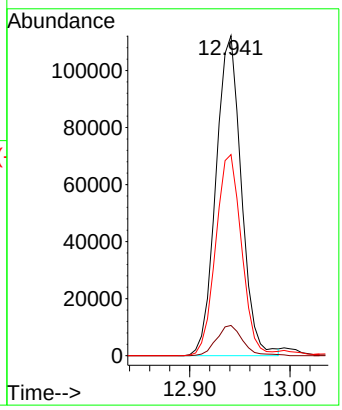




#75
1,1,2,2-Tetrachloroethane
Concen: 47.732 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 19736

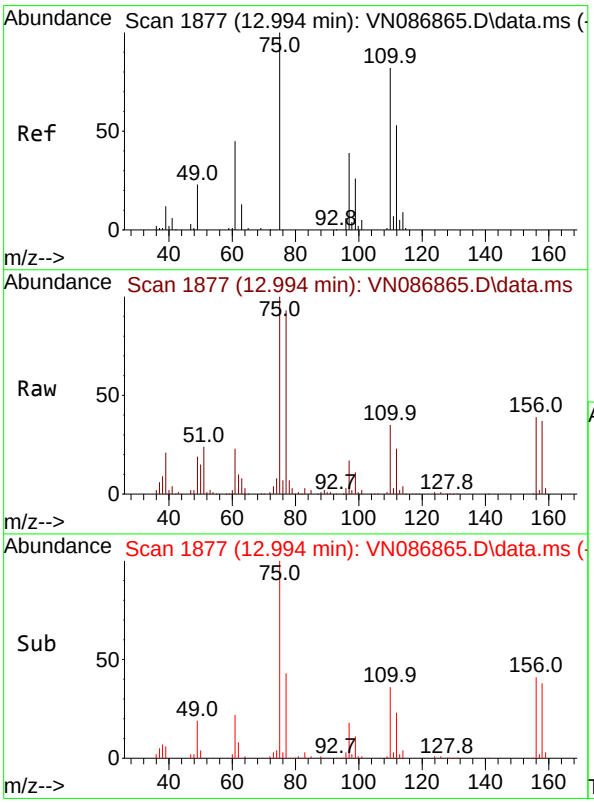
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

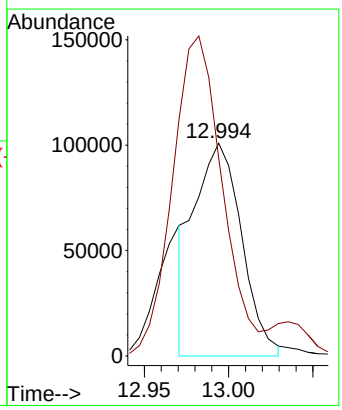
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

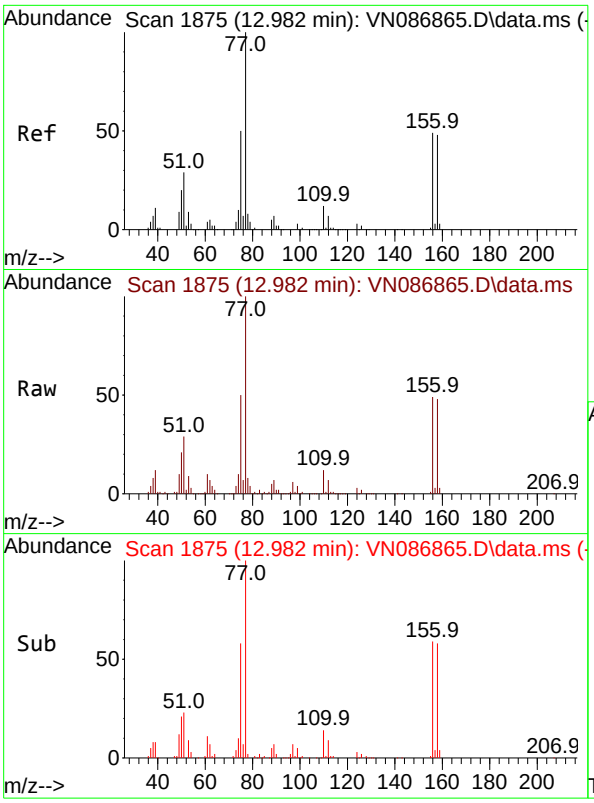


#76
1,2,3-Trichloropropane
Concen: 49.183 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 196473

Ion	Ratio	Lower	Upper
75	100		
77	158.6	79.3	237.9





#77
Bromobenzene
Concen: 47.296 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

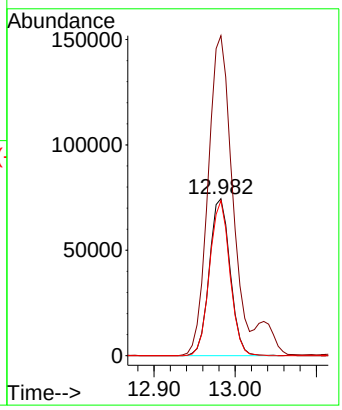
Tgt Ion:156 Resp: 13238

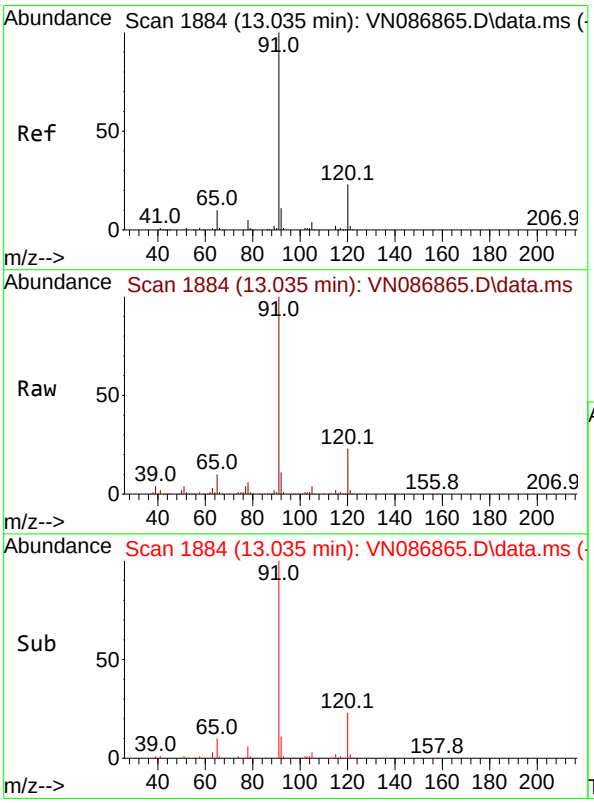
Ion	Ratio	Lower	Upper
156	100		
77	235.4	117.7	353.1
158	96.3	48.1	144.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 06/09/2025

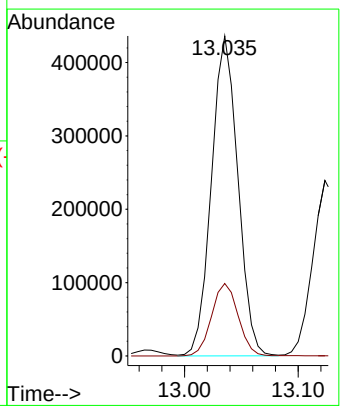


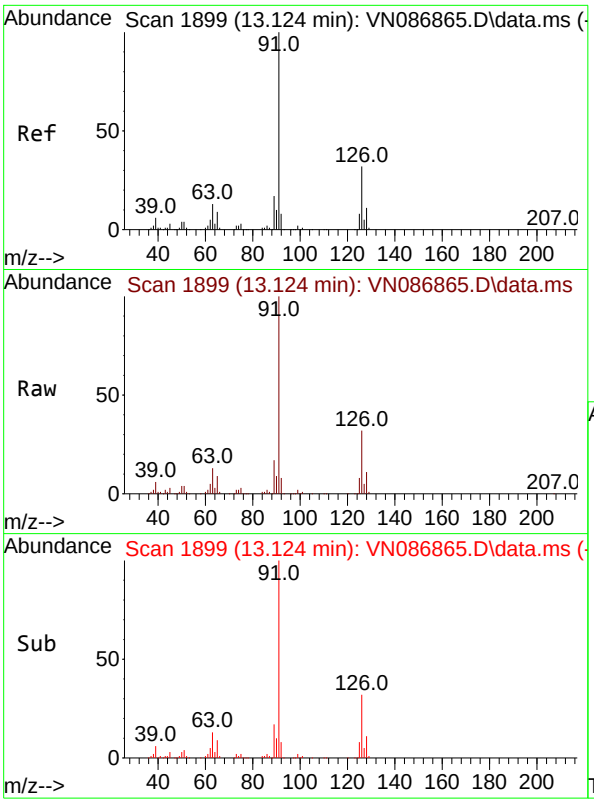


#78
n-propylbenzene
Concen: 47.567 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 705524

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.2

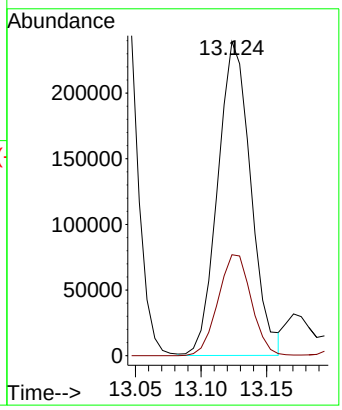




#79
2-Chlorotoluene
Concen: 47.216 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 41998

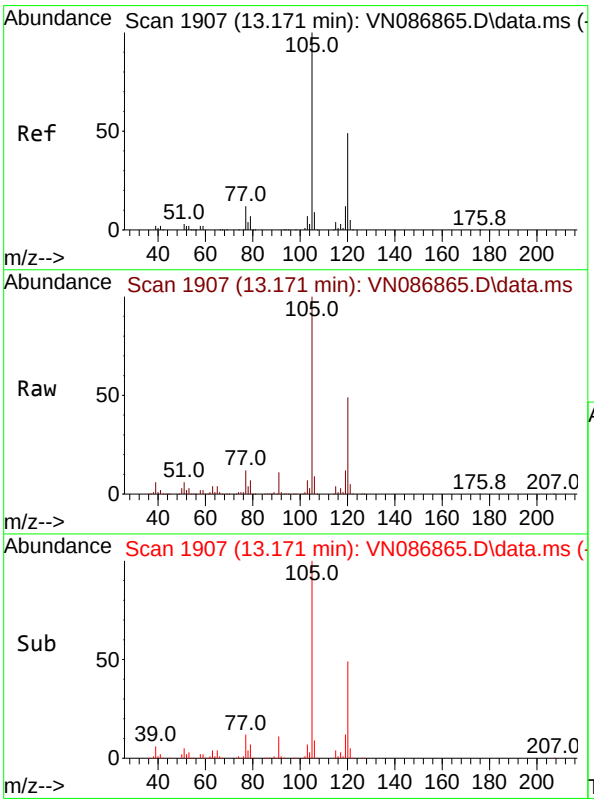
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

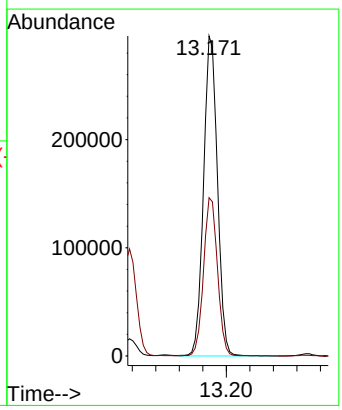
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

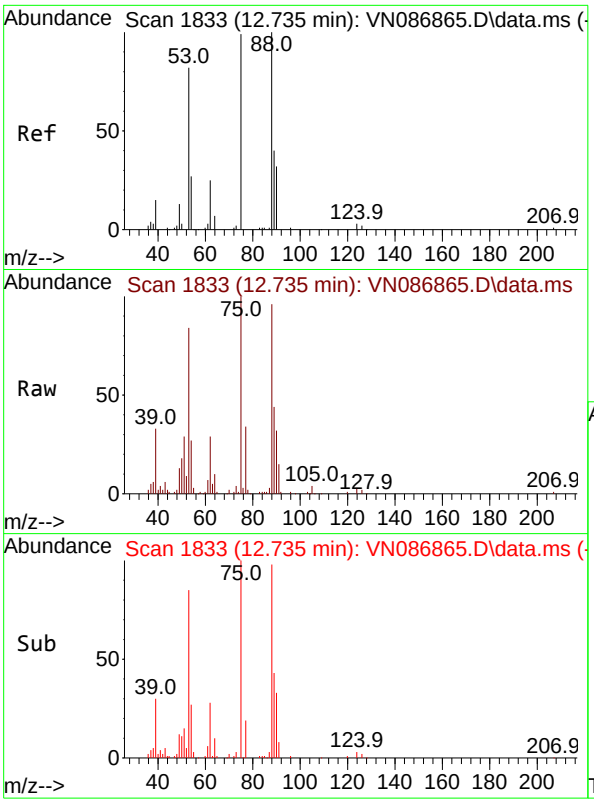


#80
1,3,5-Trimethylbenzene
Concen: 48.181 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 485499

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 46.089 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

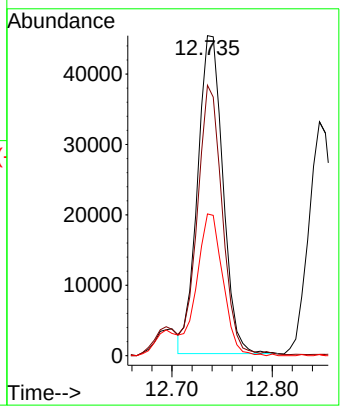
Tgt Ion: 75 Resp: 7973

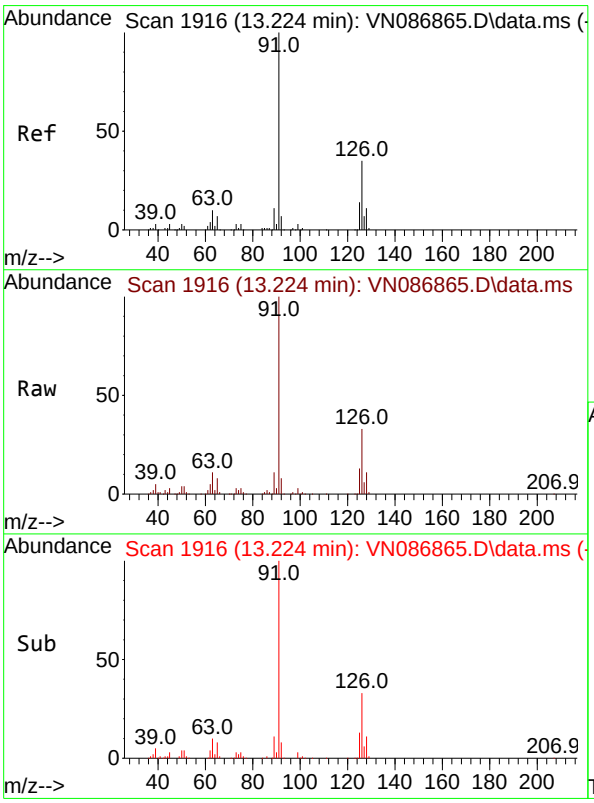
Ion	Ratio	Lower	Upper
75	100		
53	83.2	66.6	99.8
89	45.9	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

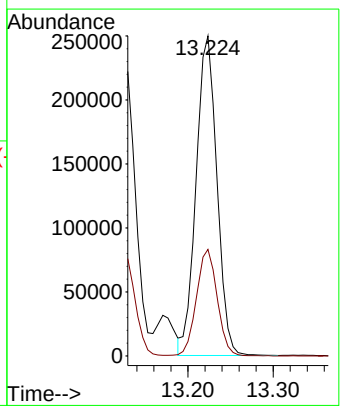


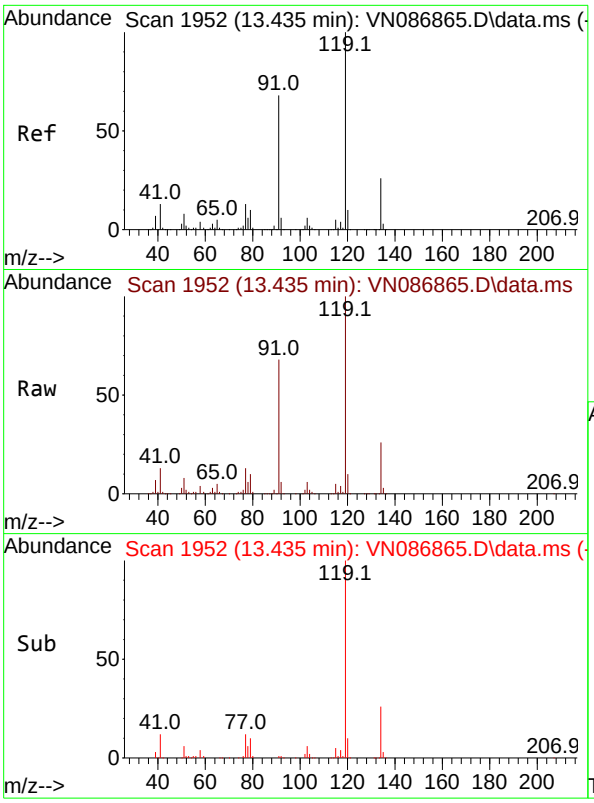


#82
4-Chlorotoluene
Concen: 47.117 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 424066

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1

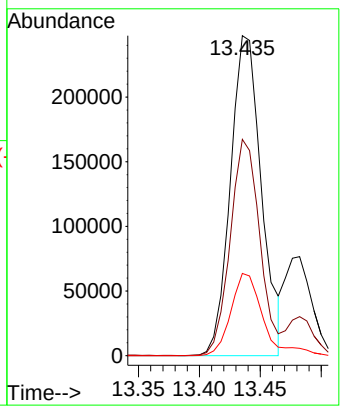




#83
tert-Butylbenzene
Concen: 47.531 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 43841

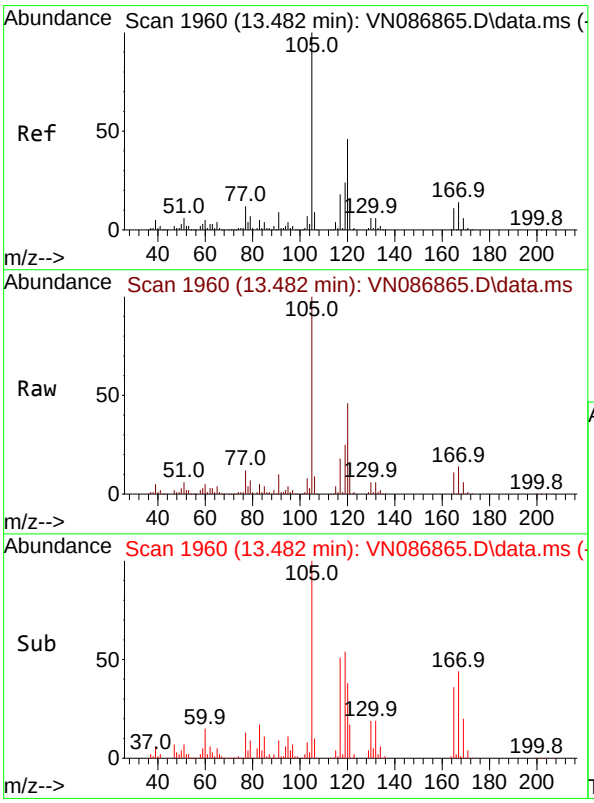
Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.5
134	26.7	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

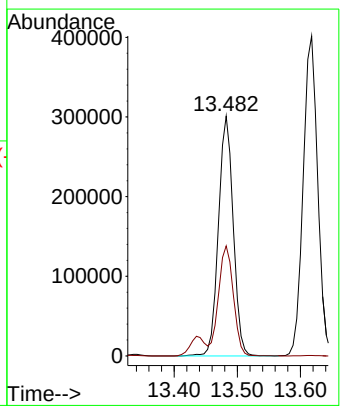
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

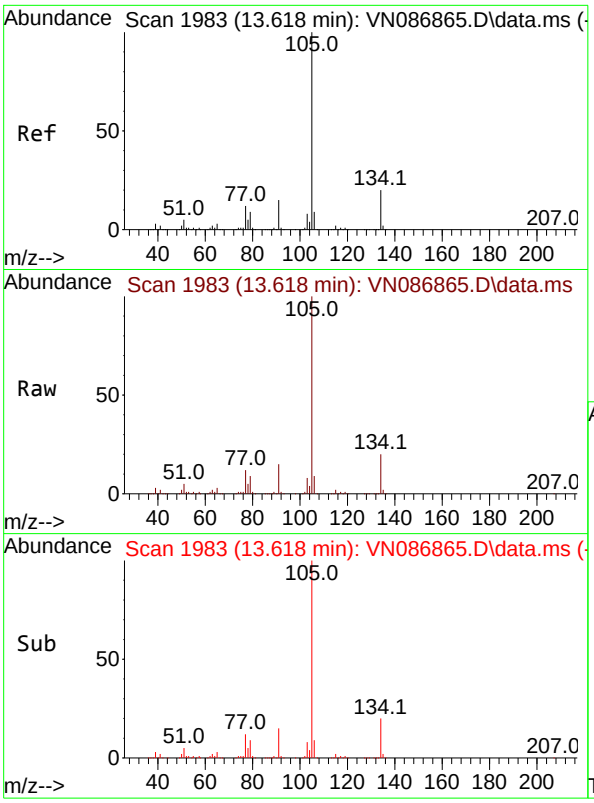


#84
1,2,4-Trimethylbenzene
Concen: 48.314 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 488189

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6

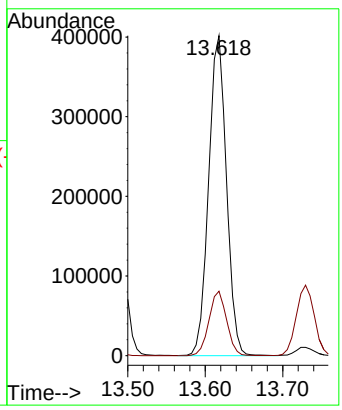




#85
sec-Butylbenzene
Concen: 47.893 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 64152

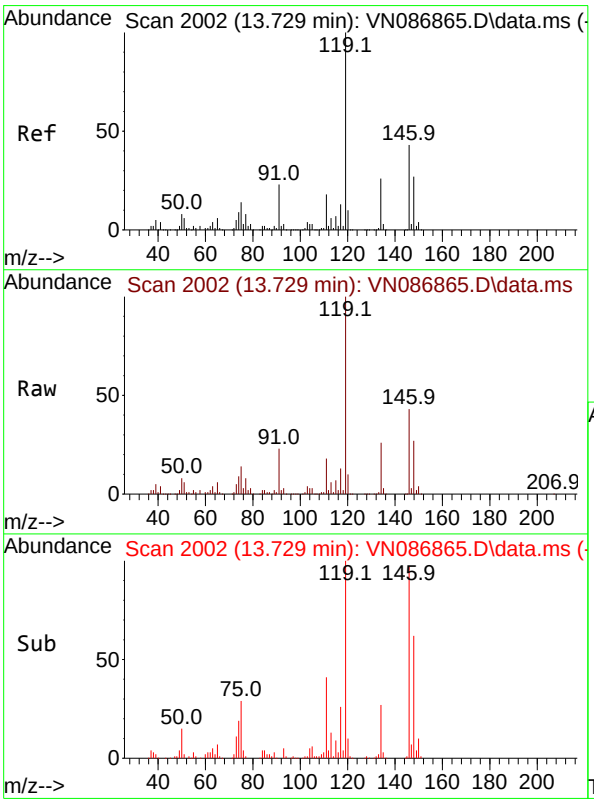
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

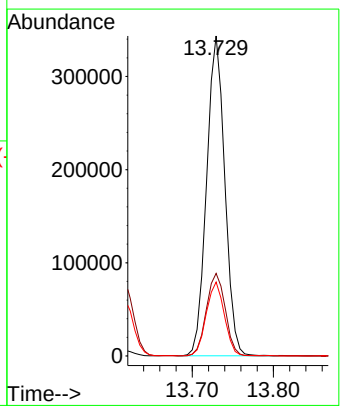
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

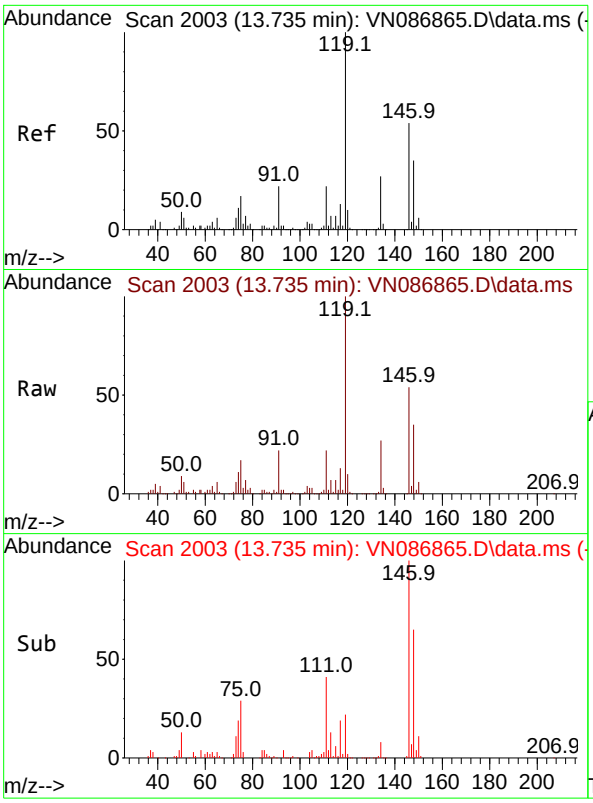


#86
p-Isopropyltoluene
Concen: 48.169 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 533366

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.9	11.5	34.4

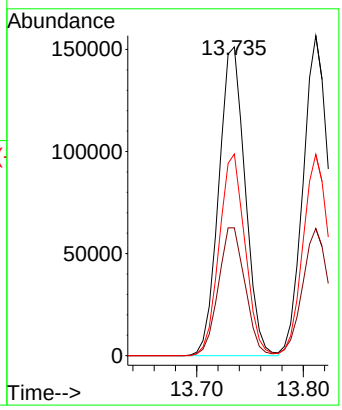




#87
1,3-Dichlorobenzene
Concen: 47.269 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 26031

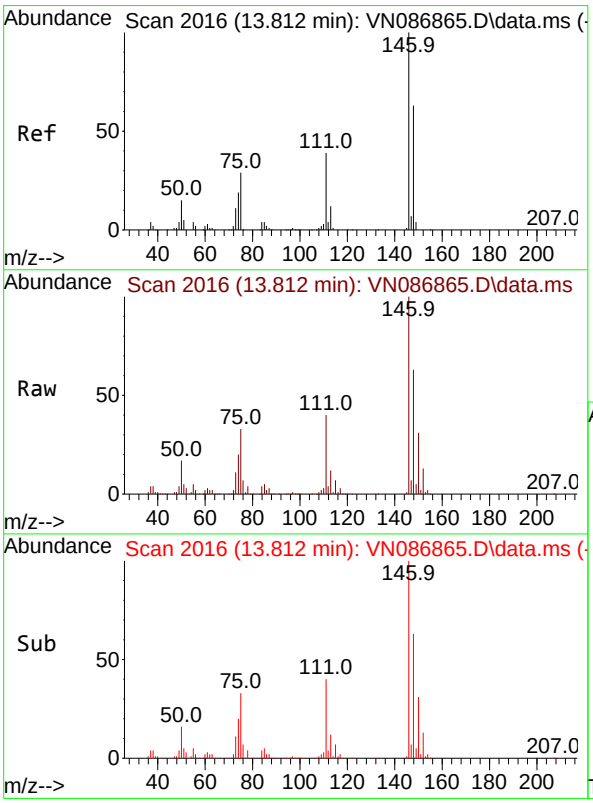
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

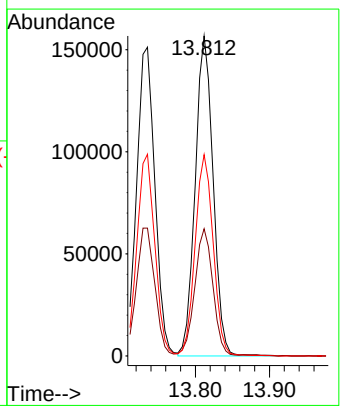
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

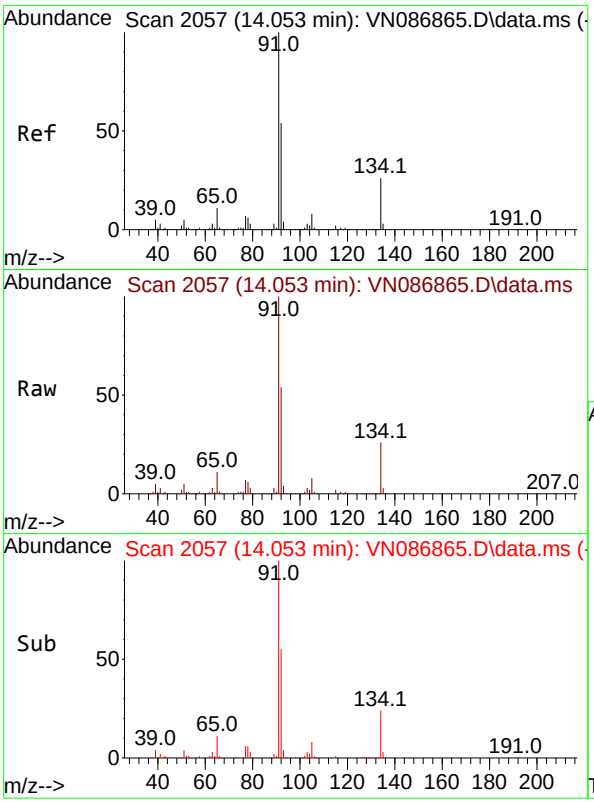


#88
1,4-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 263358

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.6	31.8	95.4

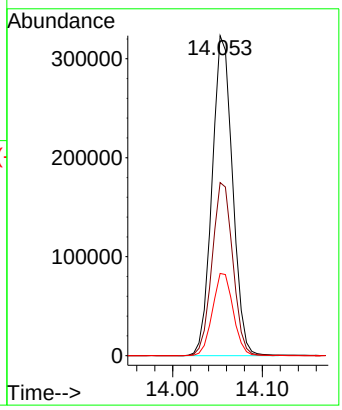




#89
n-Butylbenzene
Concen: 47.787 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 51251

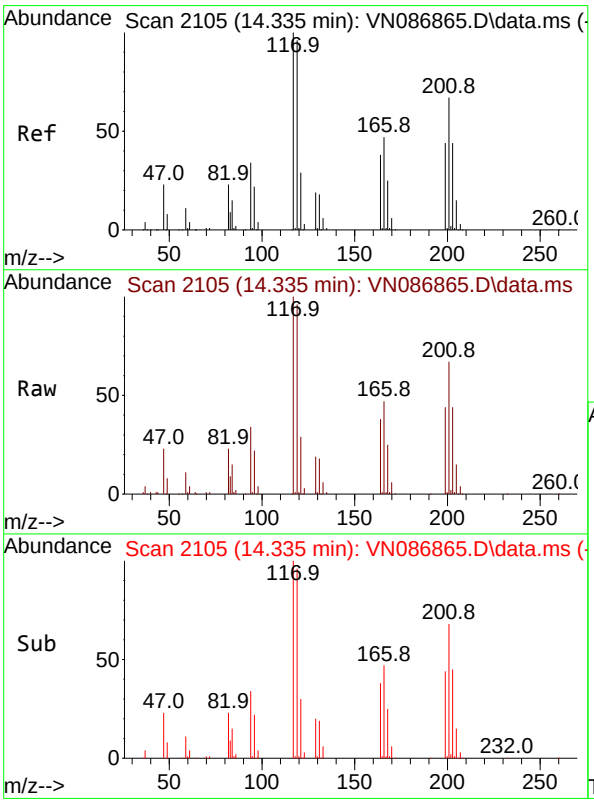
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.0	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

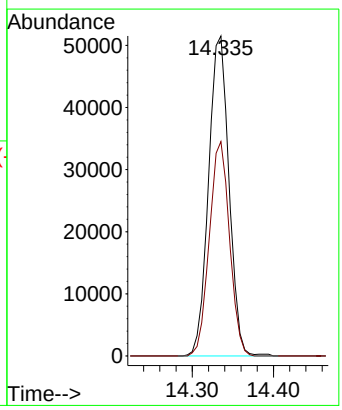
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

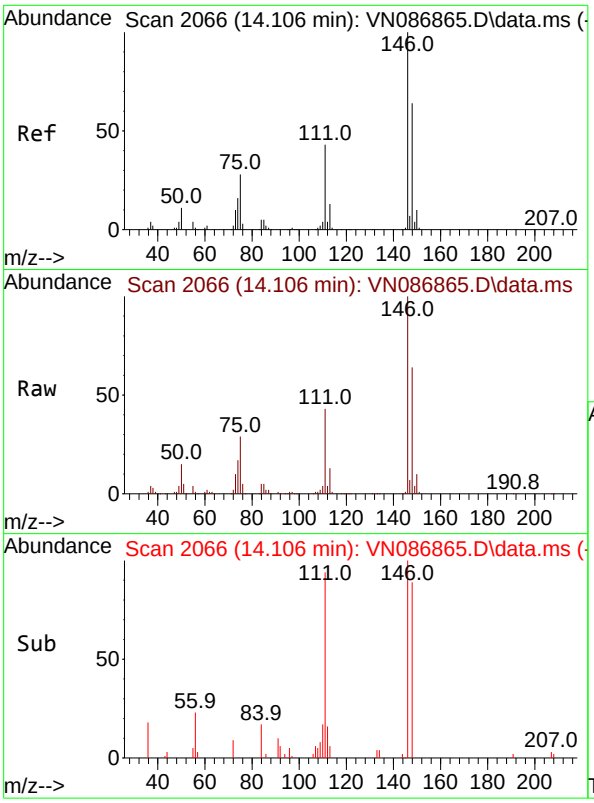


#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 89896

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6

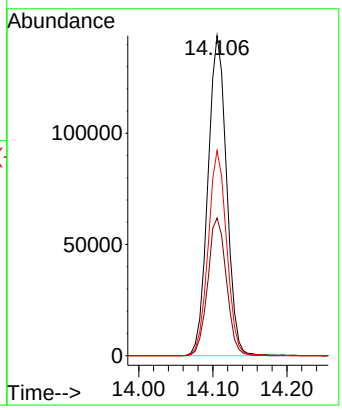




#91
1,2-Dichlorobenzene
Concen: 47.486 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 25123

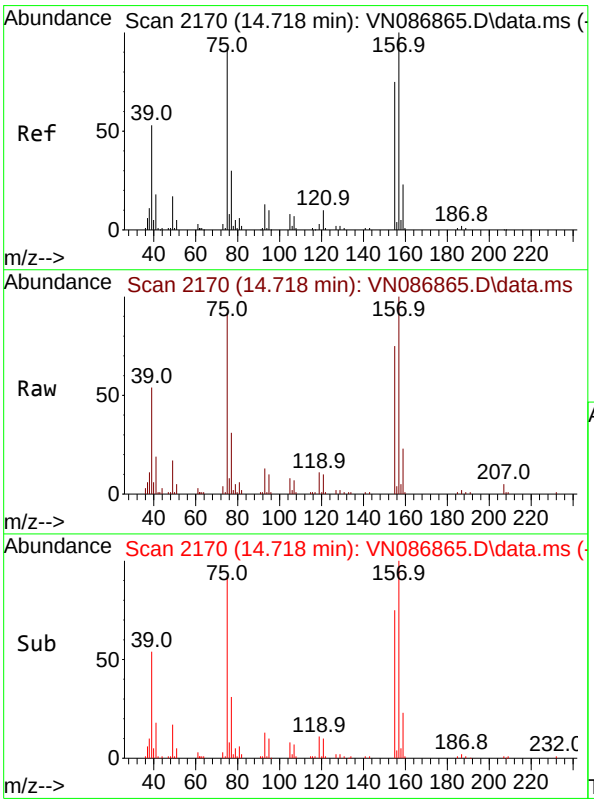
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

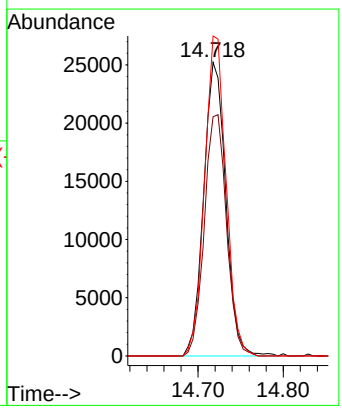
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

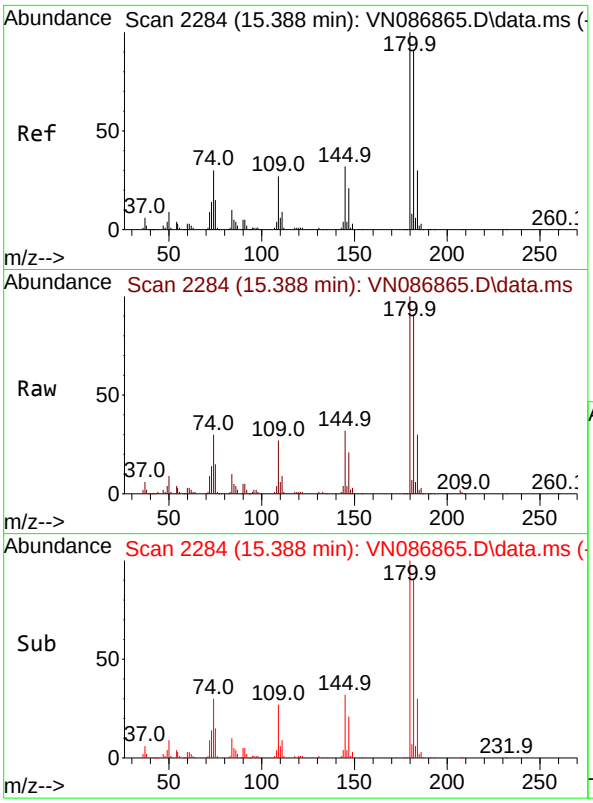


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.049 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 45535

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.1	123.4
157	105.4	52.7	158.1

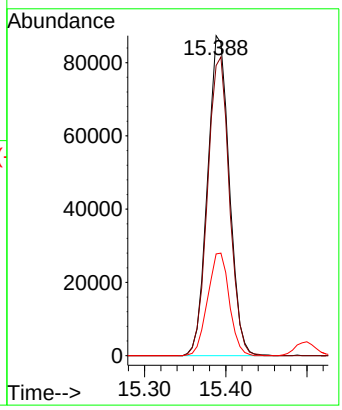




#93
1,2,4-Trichlorobenzene
Concen: 48.061 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 16237

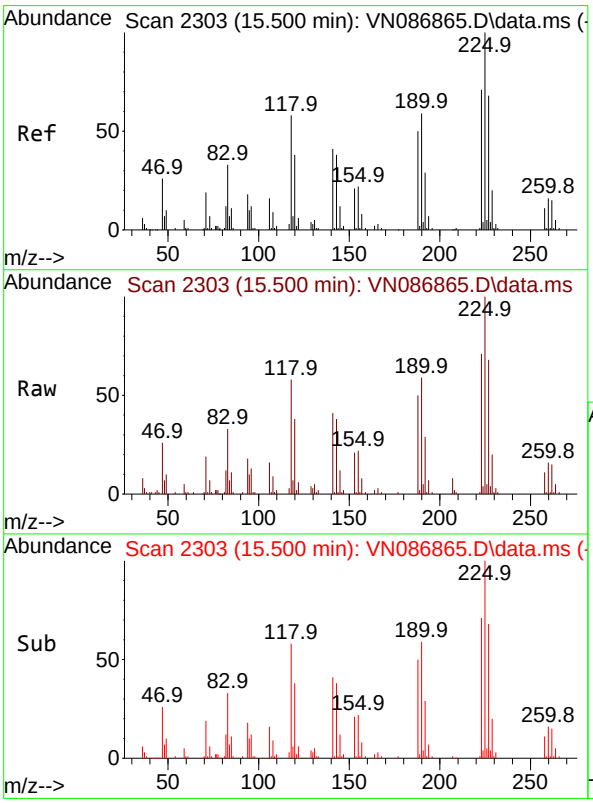
Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.9	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

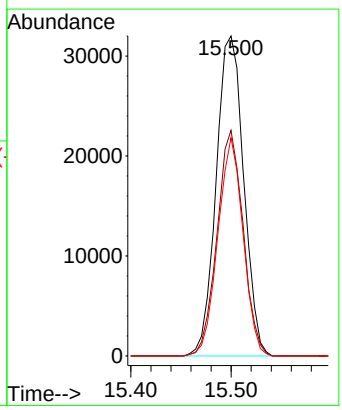
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

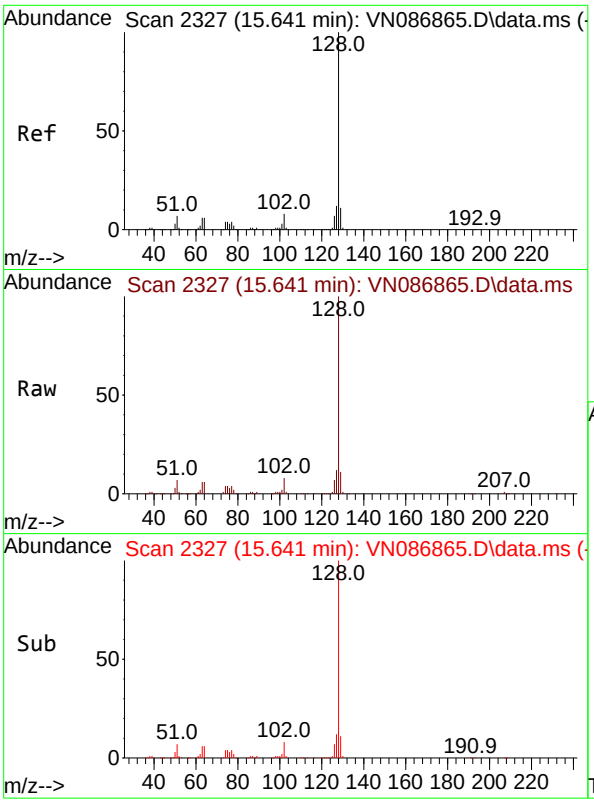


#94
Hexachlorobutadiene
Concen: 48.356 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:225 Resp: 60866

Ion	Ratio	Lower	Upper
225	100		
223	66.9	33.5	100.4
227	62.3	31.1	93.5

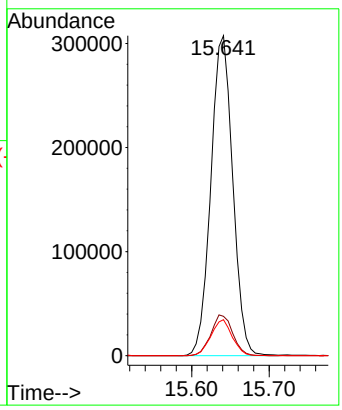




#95
Naphthalene
Concen: 47.958 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:128 Resp: 60308

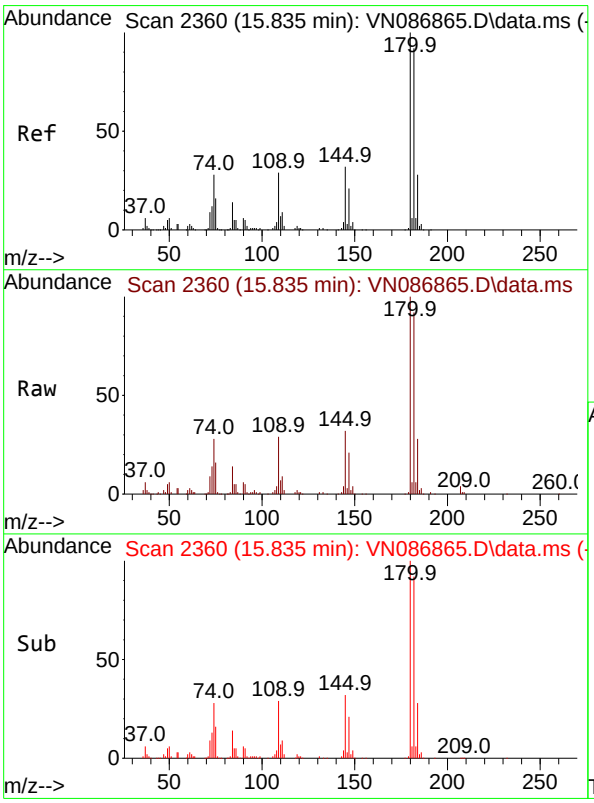
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

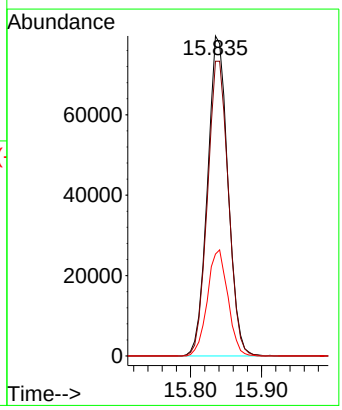
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.402 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 159113

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.2	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
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

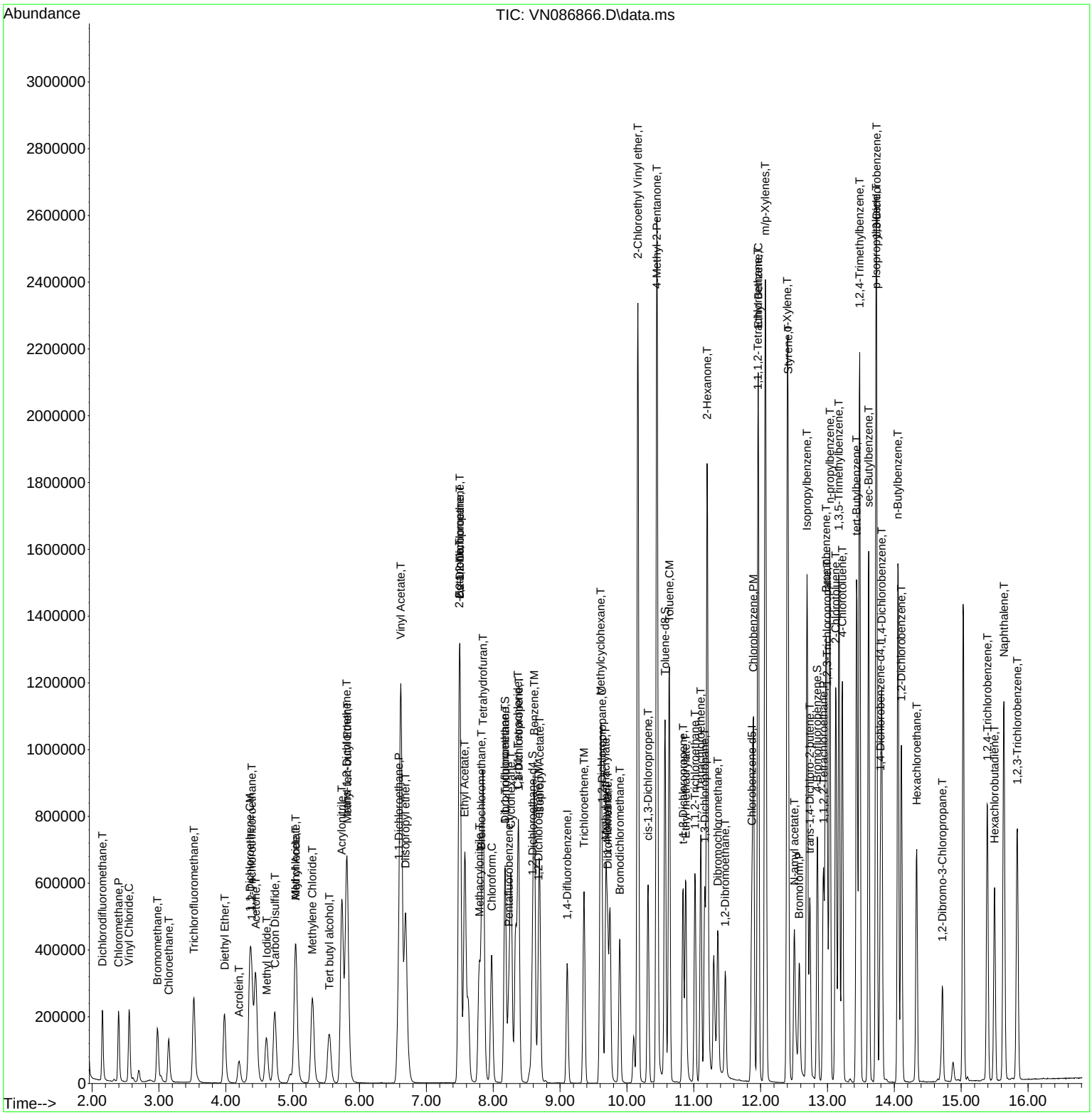
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

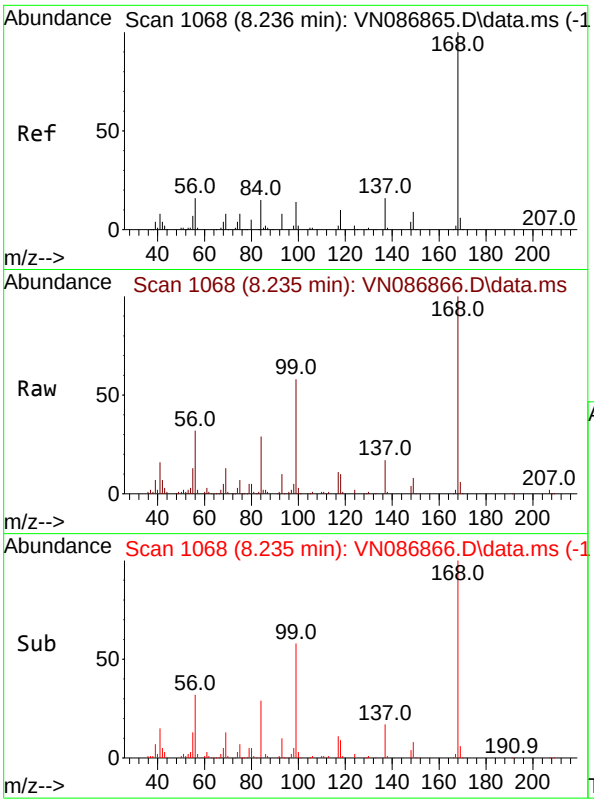
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

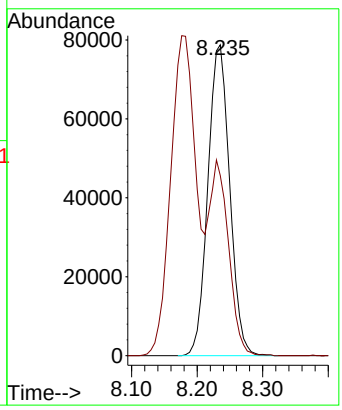




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:168 Resp: 18199

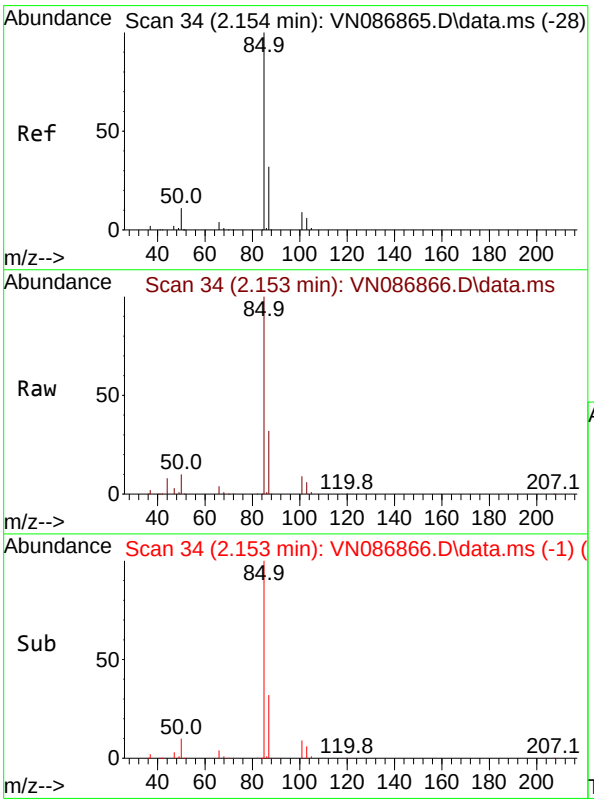
Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

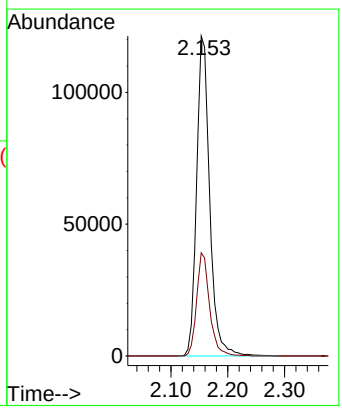
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

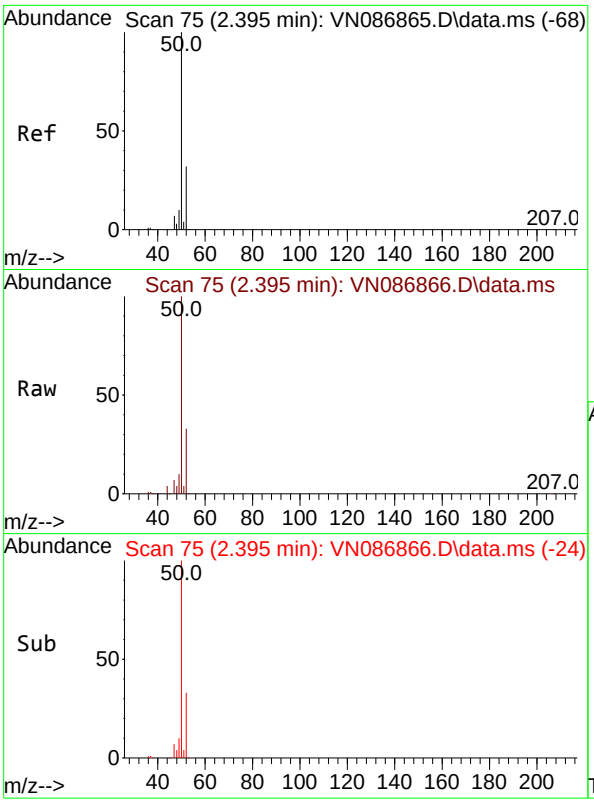


#2
Dichlorodifluoromethane
Concen: 107.350 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 85 Resp: 194799

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6

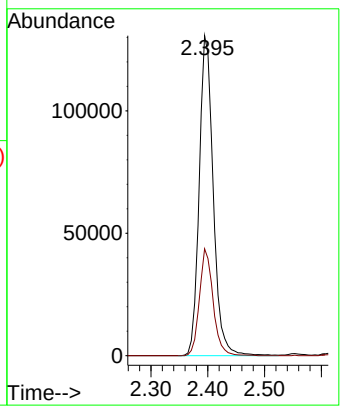




#3
Chloromethane
Concen: 95.833 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 50 Resp: 22455

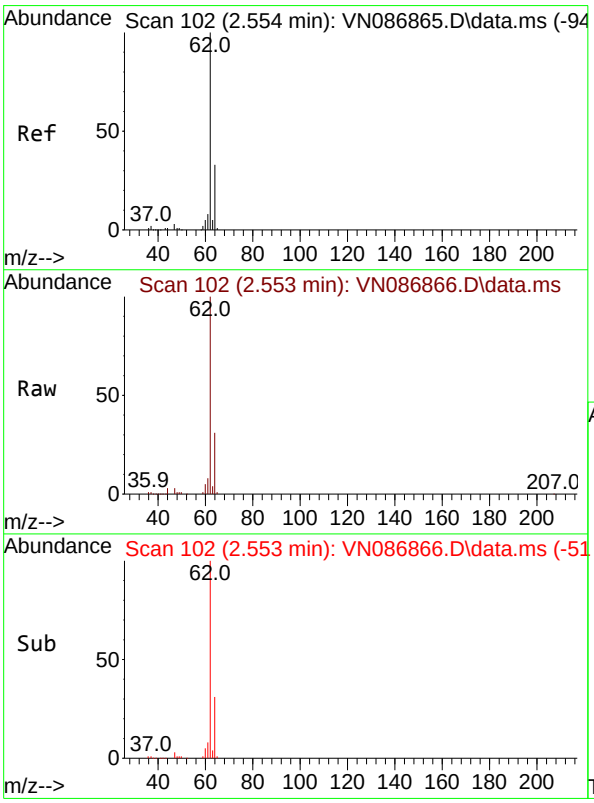
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

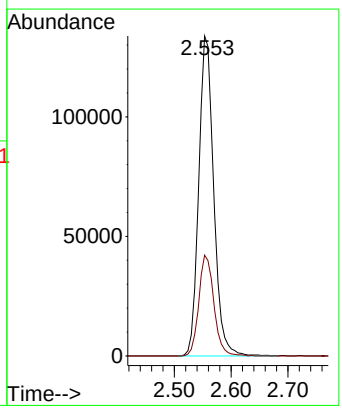
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

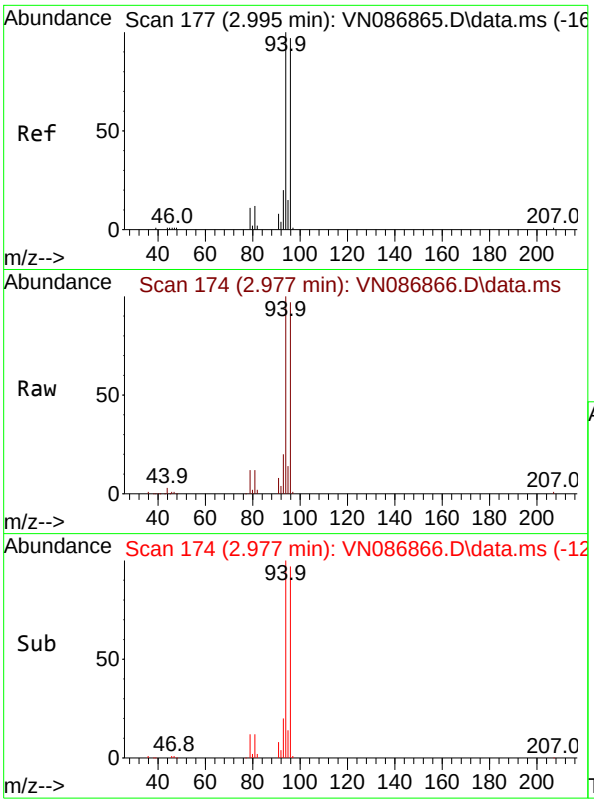


#4
Vinyl Chloride
Concen: 101.414 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 245135

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.0	39.0

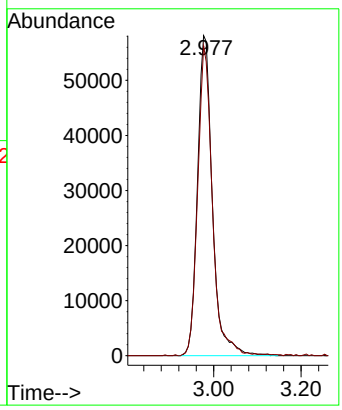




#5
Bromomethane
Concen: 101.996 ug/l
RT: 2.977 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 94 Resp: 13796

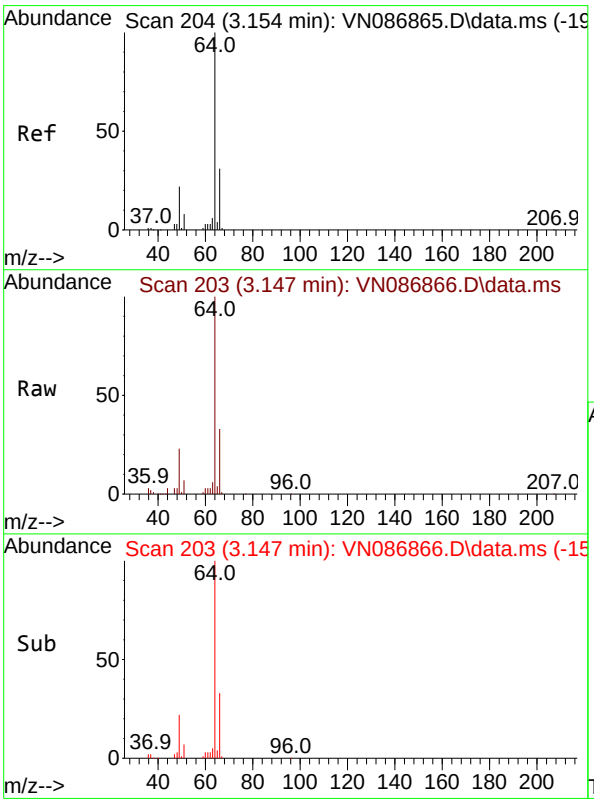
Ion	Ratio	Lower	Upper
94	100		
96	96.8	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

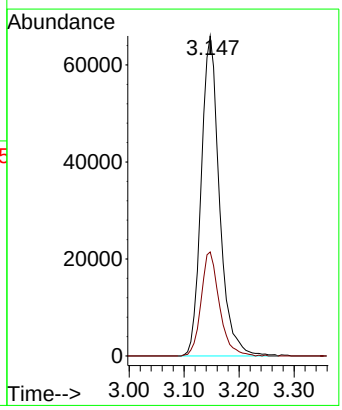
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

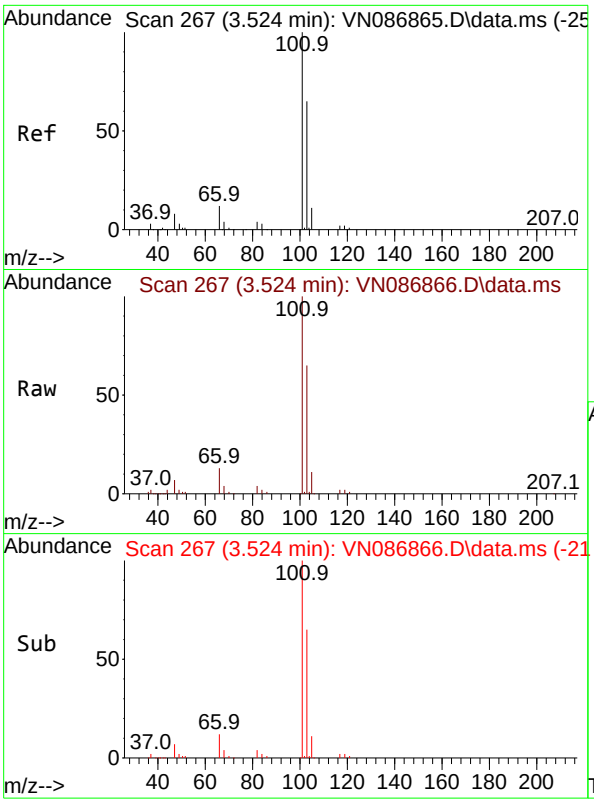


#6
Chloroethane
Concen: 97.447 ug/l
RT: 3.147 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 64 Resp: 152150

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8

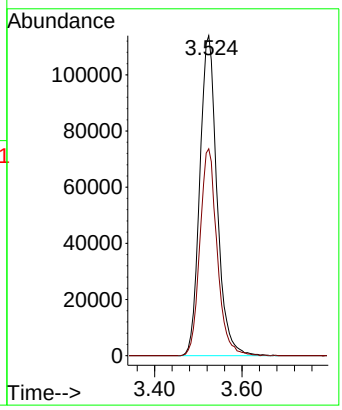




#7
Trichlorofluoromethane
Concen: 98.917 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:101 Resp: 31239

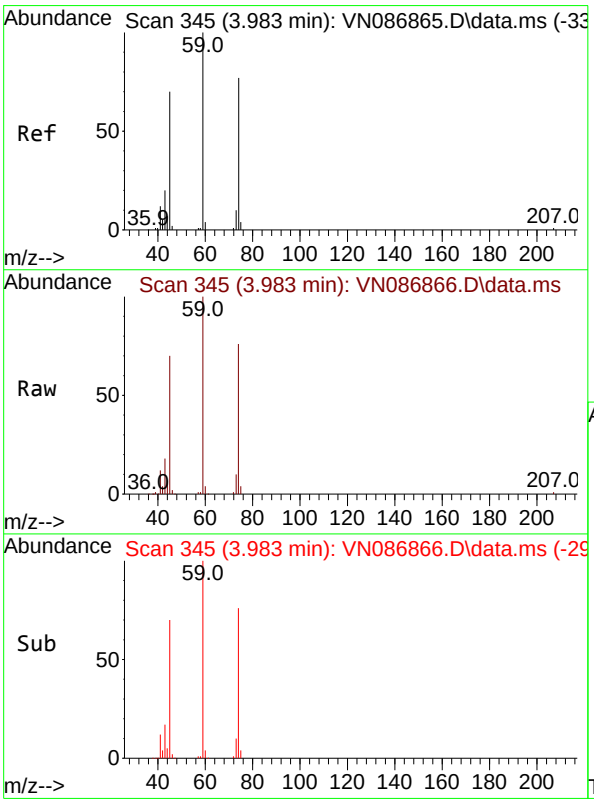
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

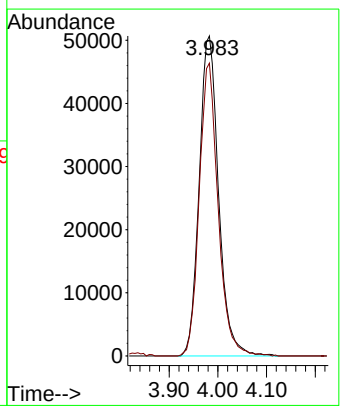
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

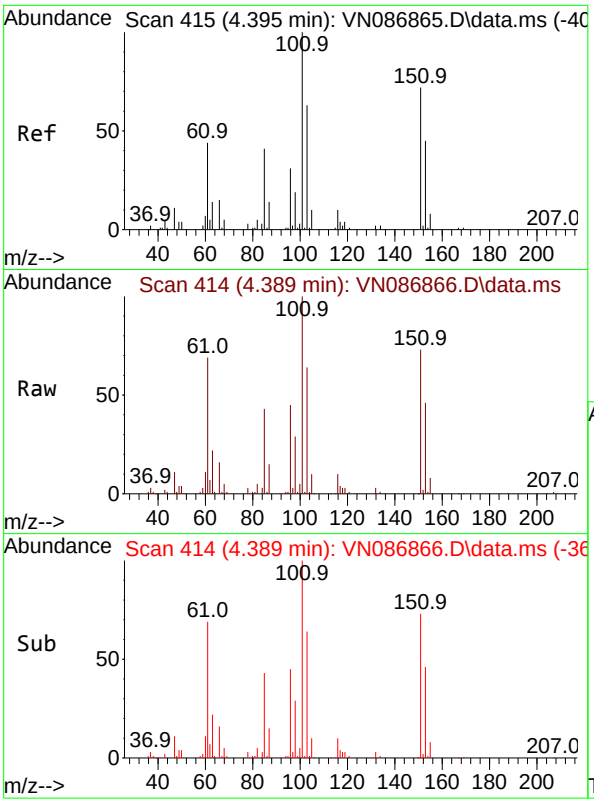


#8
Diethyl Ether
Concen: 101.631 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 74 Resp: 139844

Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.5	136.5

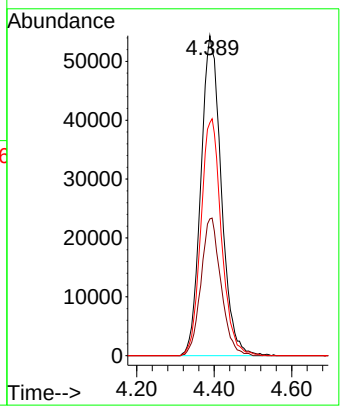




#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.163 ug/l
RT: 4.389 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:101 Resp: 19873

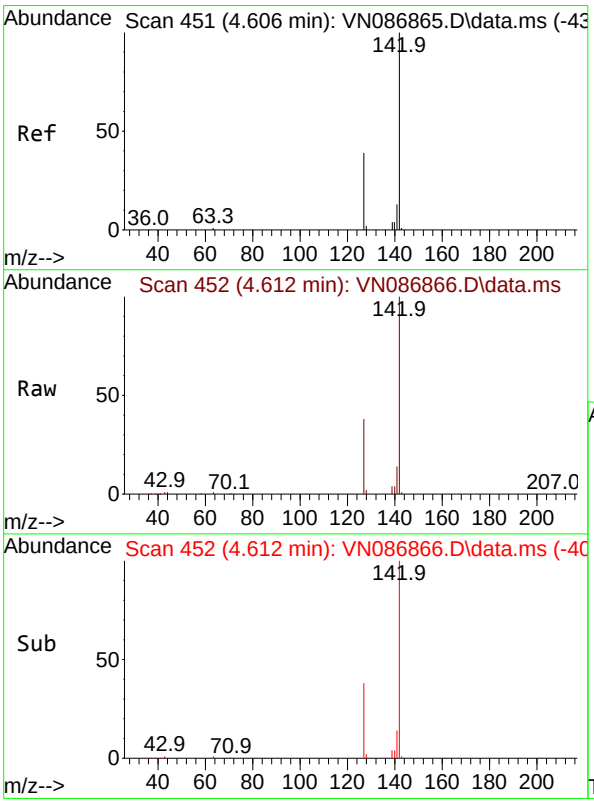
Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.8	50.8
151	74.2	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

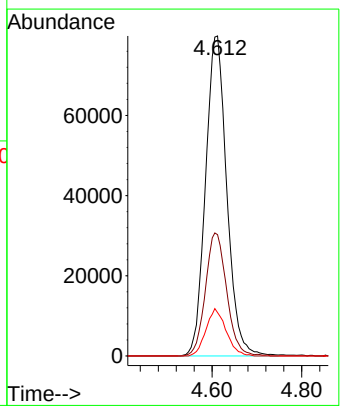
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

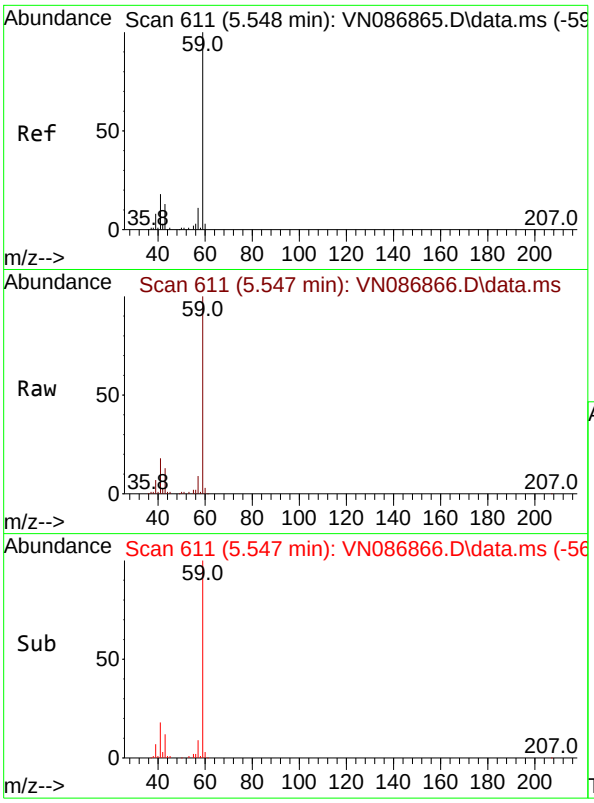


#10
Methyl Iodide
Concen: 102.162 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:142 Resp: 262771

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	13.6	10.4	15.6

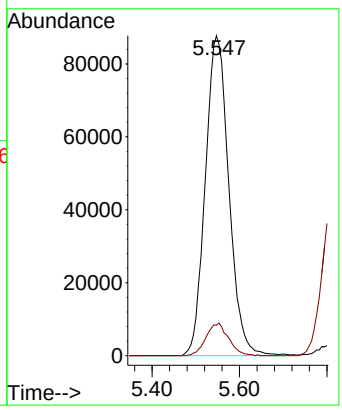




#11
Tert butyl alcohol
Concen: 496.062 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 59 Resp: 32798

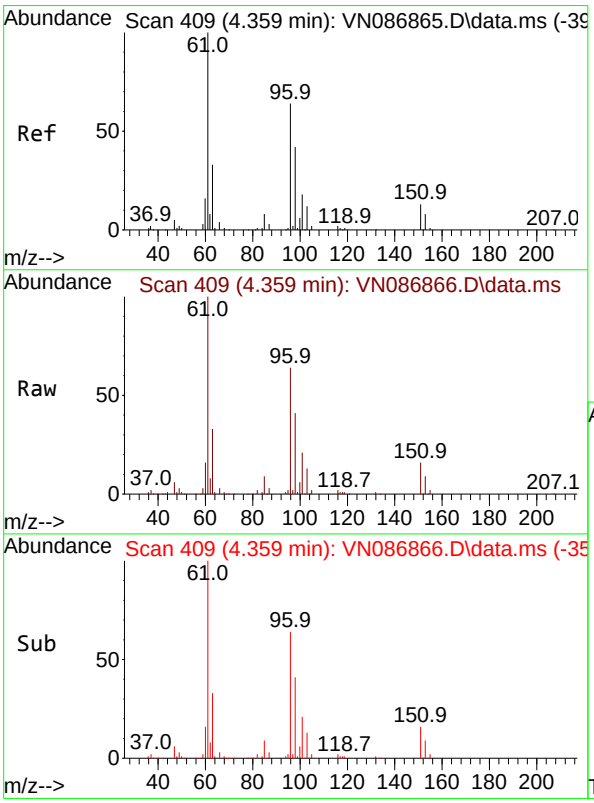
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

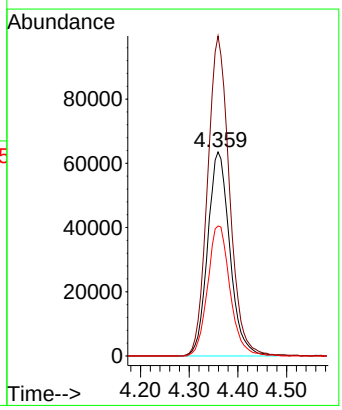
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

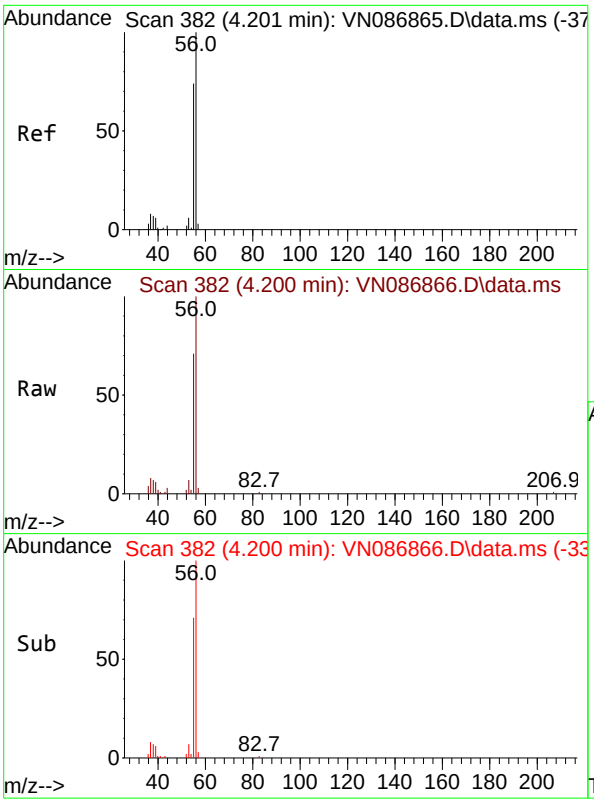


#12
1,1-Dichloroethene
Concen: 98.838 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 200212

Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.8	188.6
98	63.7	52.5	78.7

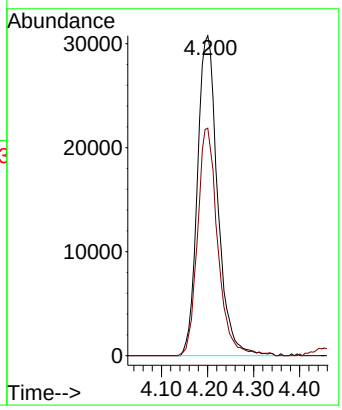




#13
Acrolein
Concen: 449.961 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 56 Resp: 9417

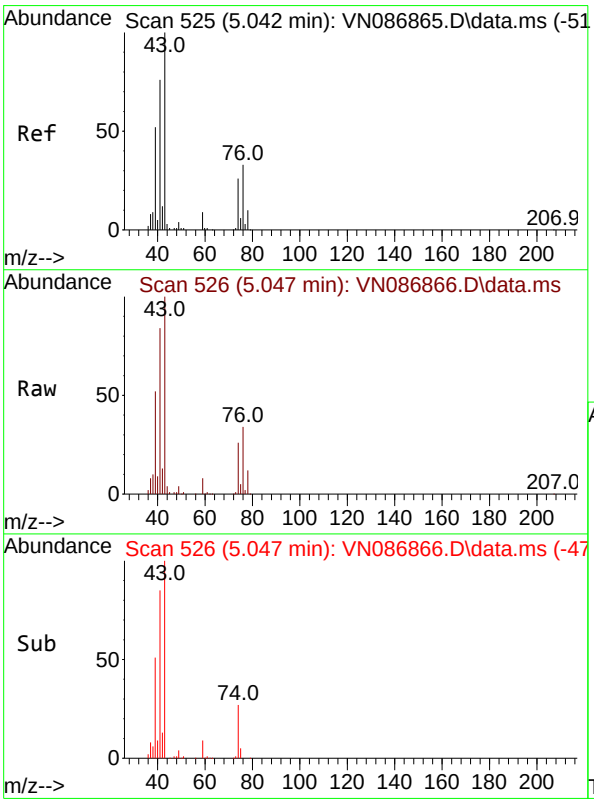
Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

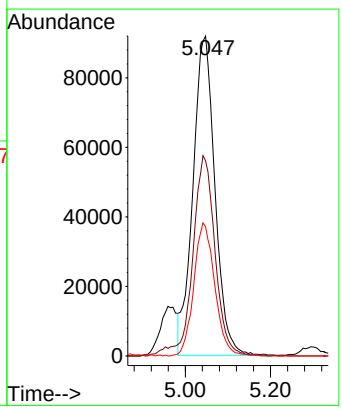
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

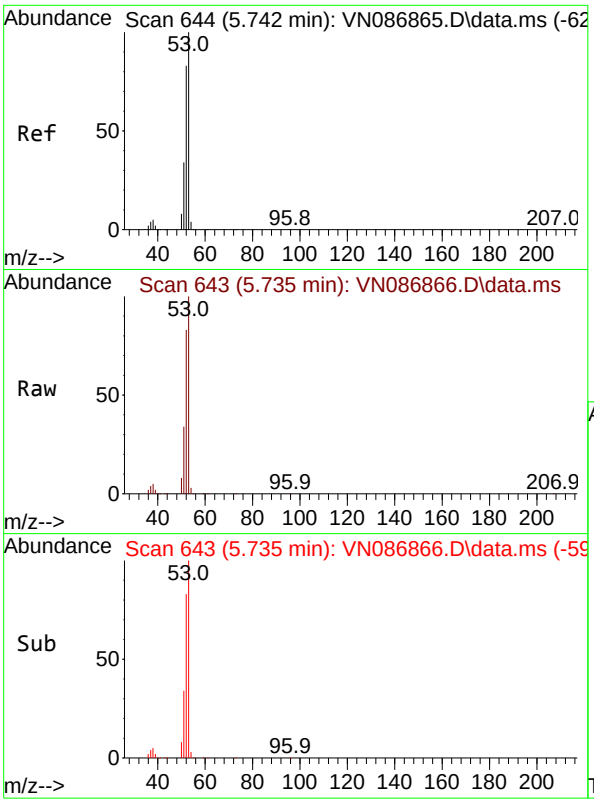


#14
Allyl chloride
Concen: 98.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 329412

Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.3	76.9
76	39.7	31.4	47.0

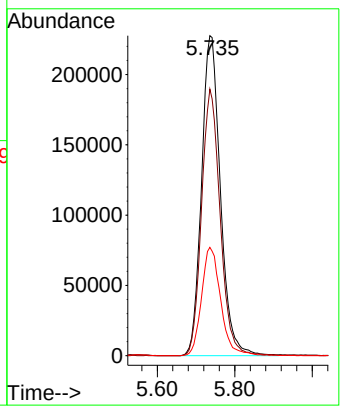




#15
Acrylonitrile
Concen: 498.552 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 53 Resp: 77047

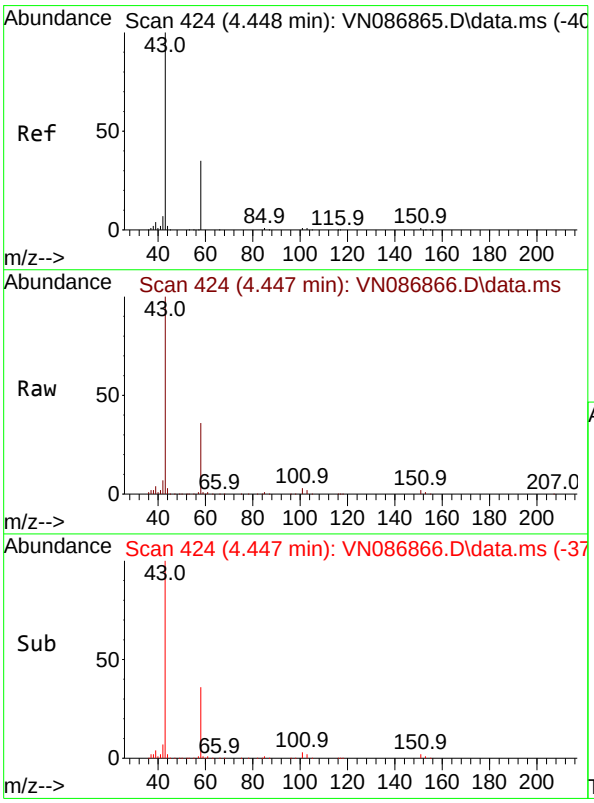
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.4	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

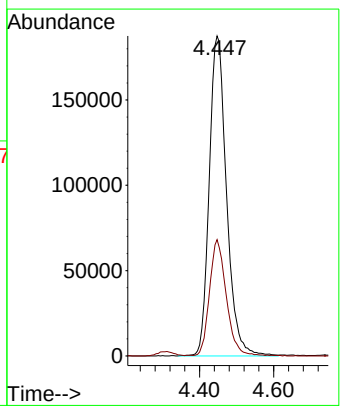
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

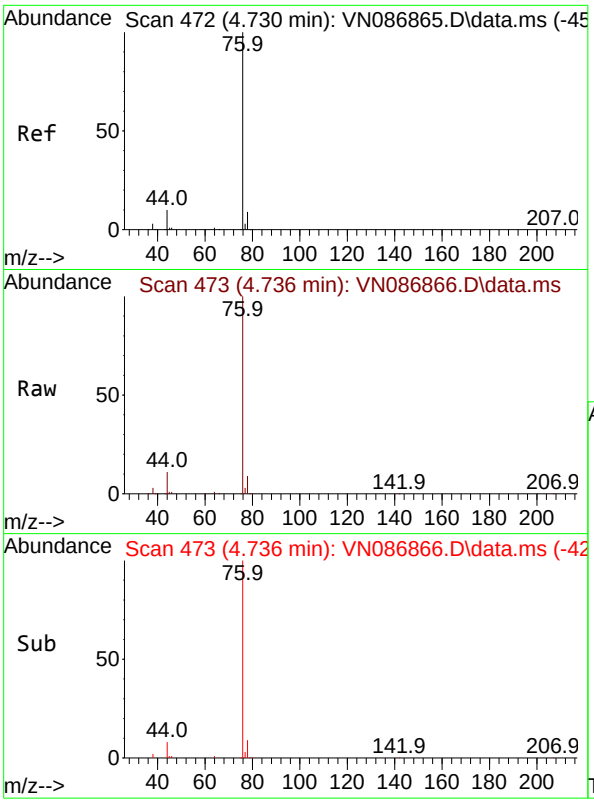


#16
Acetone
Concen: 470.648 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 608178

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.0	42.0

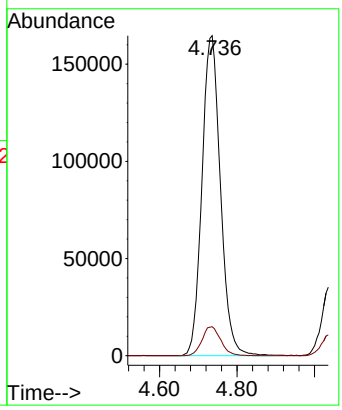




#17
Carbon Disulfide
Concen: 97.179 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 76 Resp: 54451

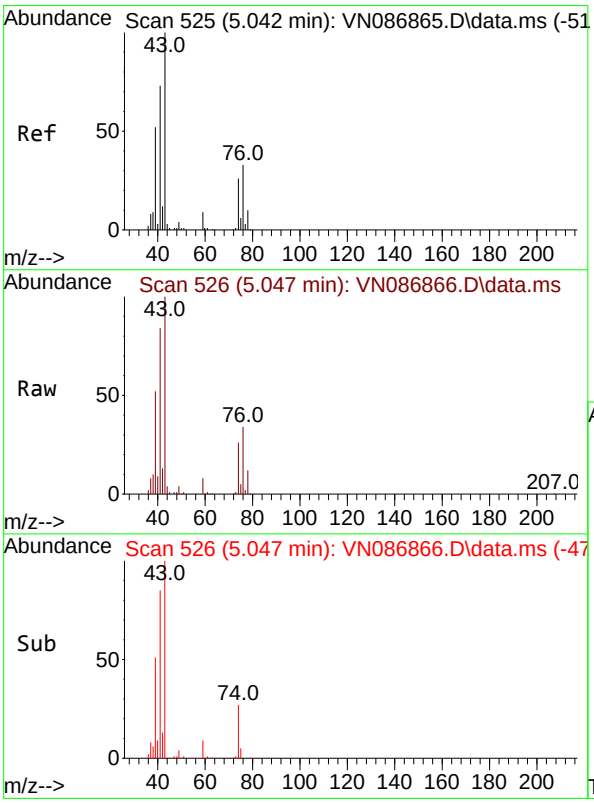
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

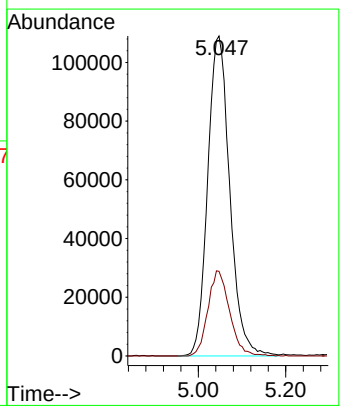
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

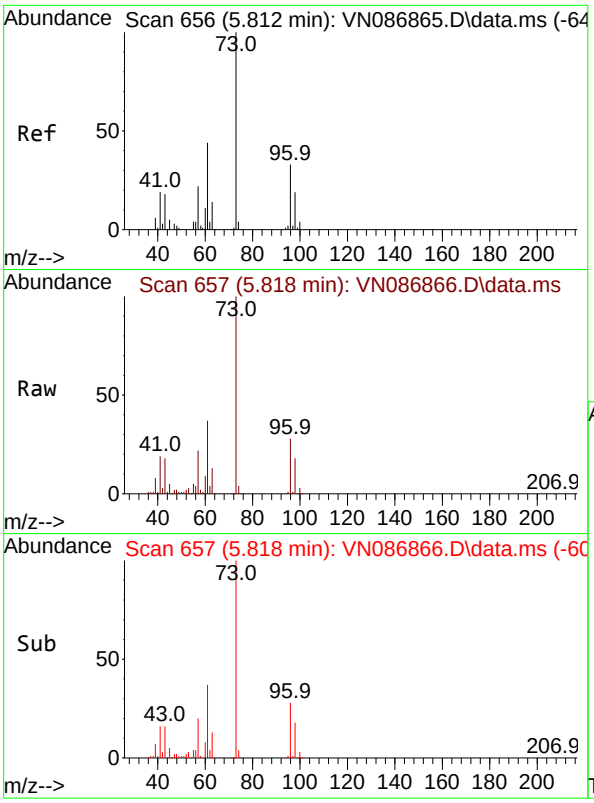


#18
Methyl Acetate
Concen: 101.390 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1

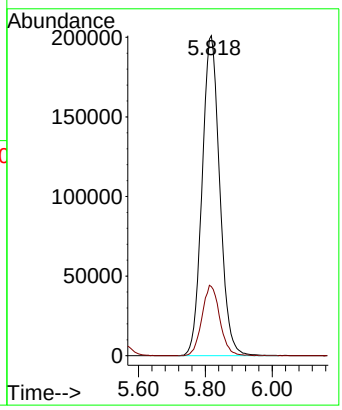




#19
Methyl tert-butyl Ether
Concen: 100.306 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 73 Resp: 73569

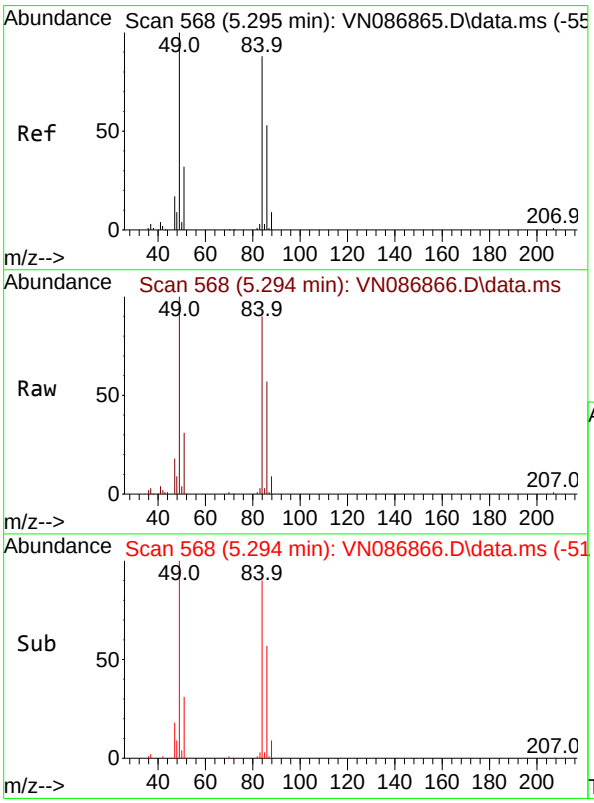
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

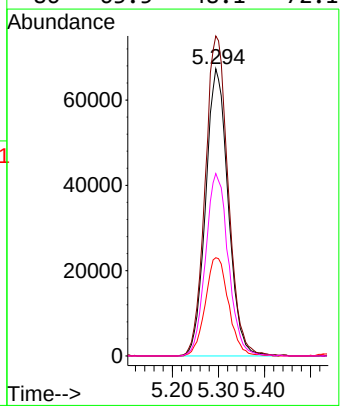
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

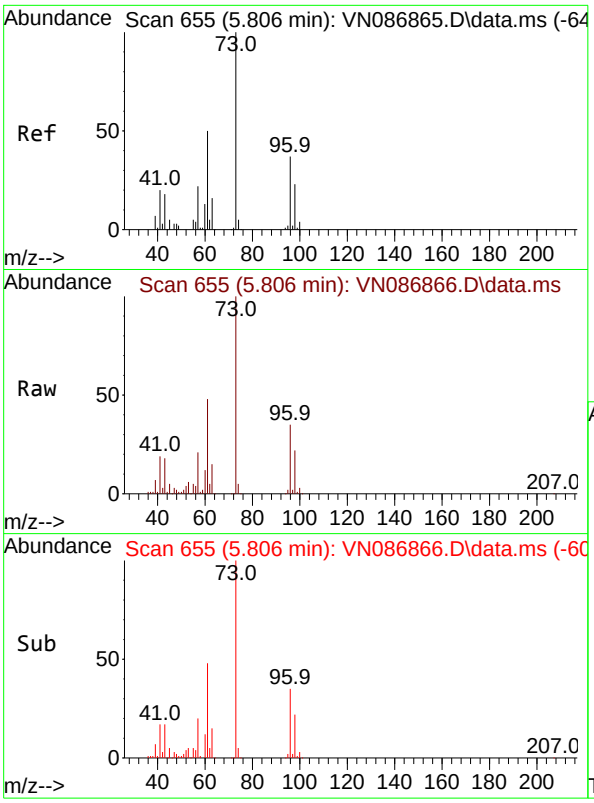


#20
Methylene Chloride
Concen: 94.575 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 84 Resp: 228800

Ion	Ratio	Lower	Upper
84	100		
49	111.4	90.5	135.7
51	34.2	28.5	42.7
86	63.5	48.1	72.1

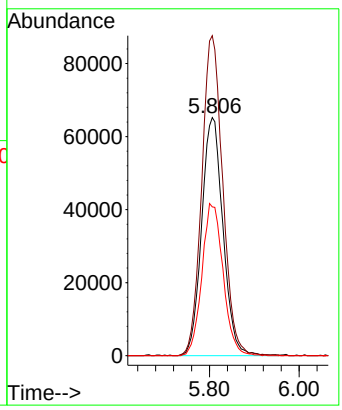




#21
trans-1,2-Dichloroethene
Concen: 95.476 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 21517

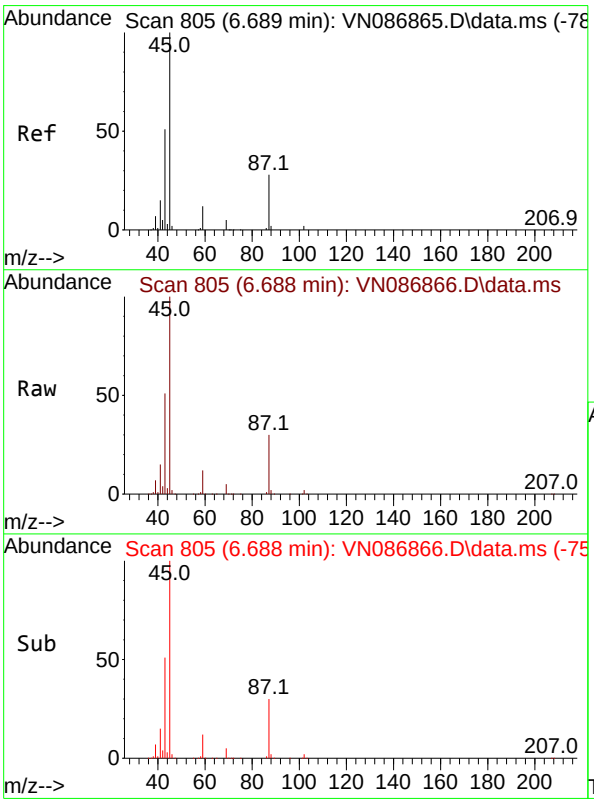
Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.2	163.8
98	62.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

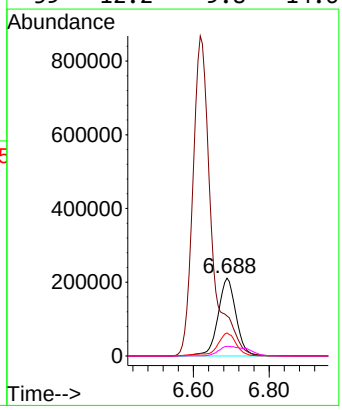
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

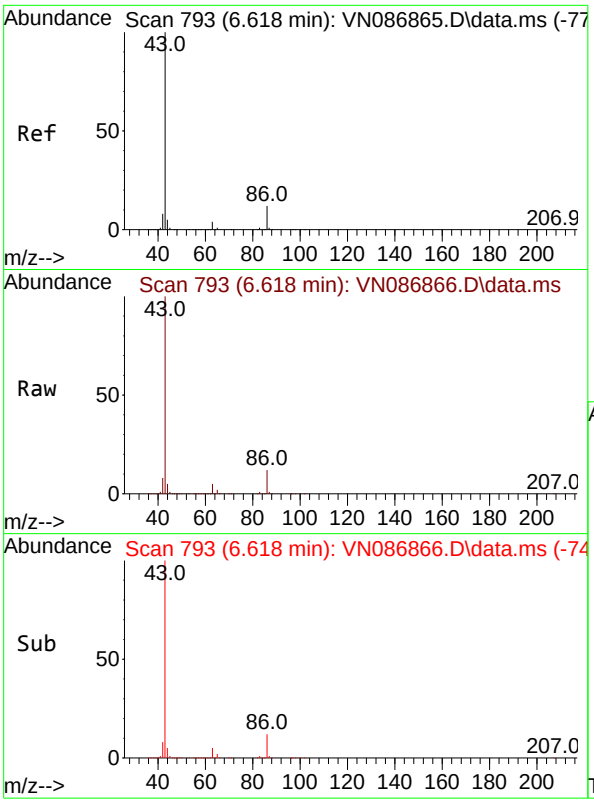


#22
Diisopropyl ether
Concen: 98.409 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 45 Resp: 696881

Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.9	62.9
87	29.6	22.4	33.6
59	12.2	9.8	14.6

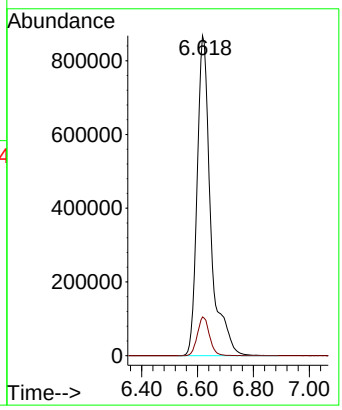




#23
Vinyl Acetate
Concen: 487.936 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 291935

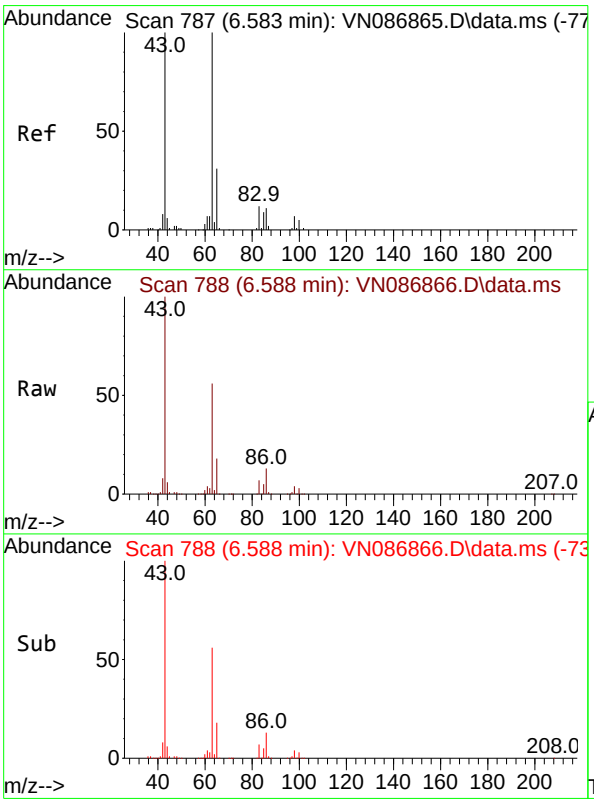
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

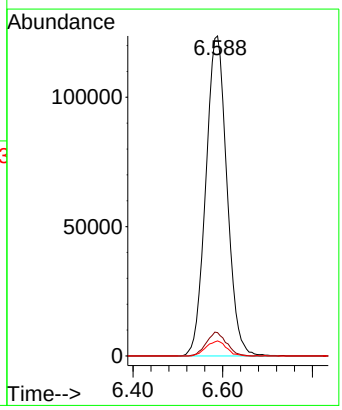
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

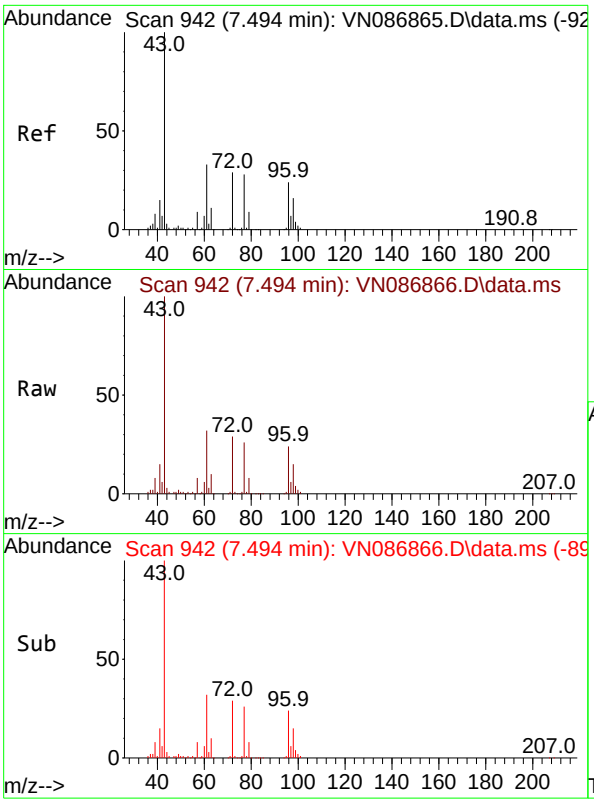


#24
1,1-Dichloroethane
Concen: 99.186 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 404207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.7	2.6	7.8





#25
2-Butanone
Concen: 496.743 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

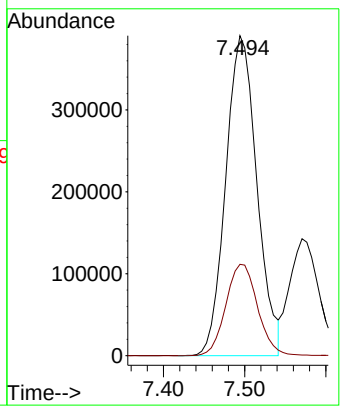
Tgt Ion: 43 Resp: 104338

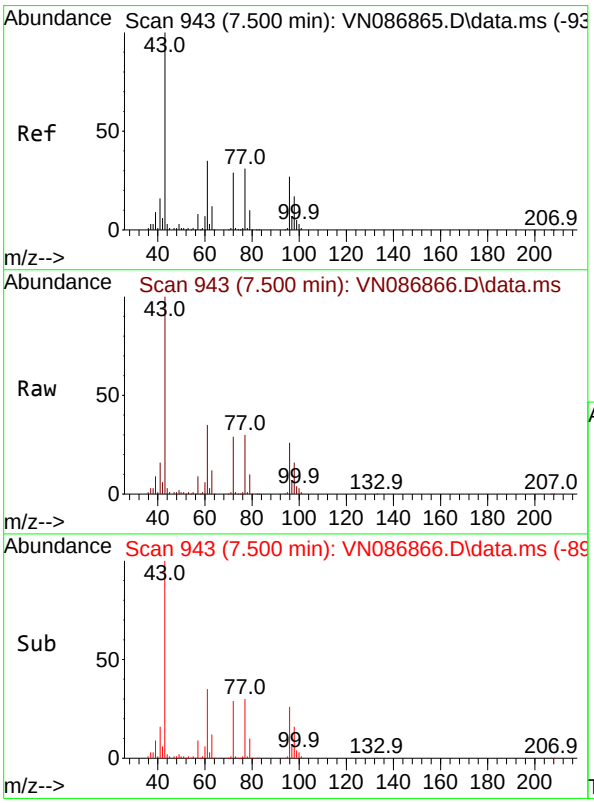
Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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

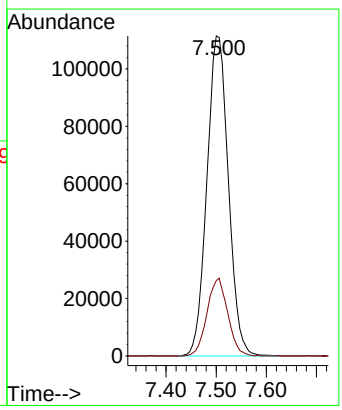


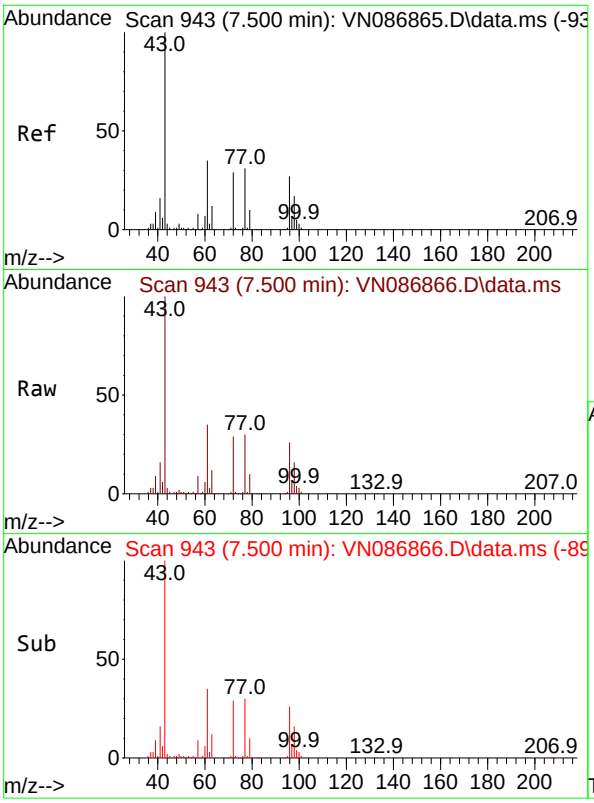


#26
2,2-Dichloropropane
Concen: 104.729 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 77 Resp: 331995

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7

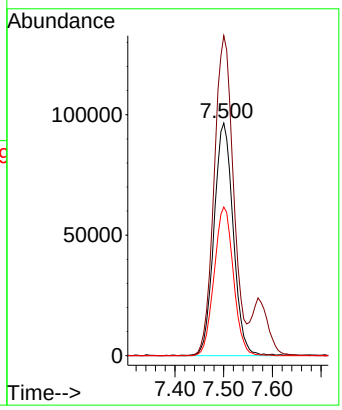




#27
cis-1,2-Dichloroethene
Concen: 98.410 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 26524

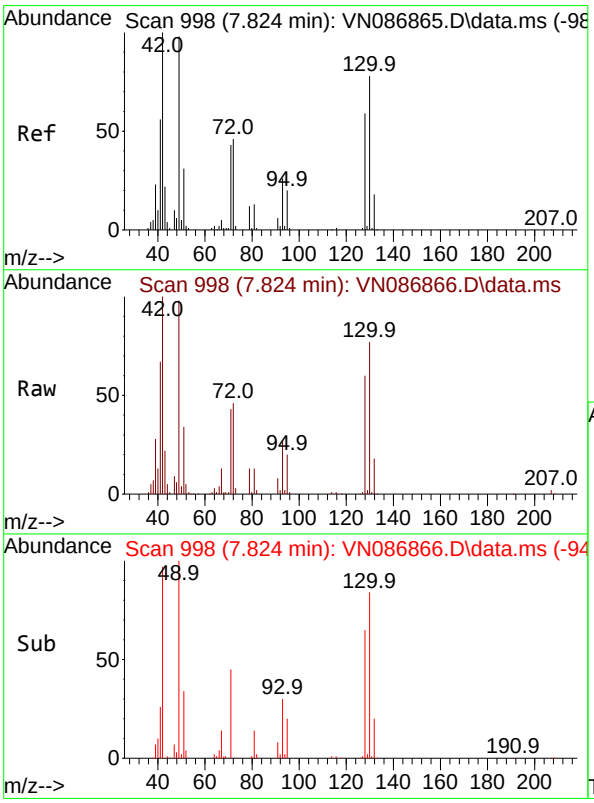
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	278.0
98	64.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

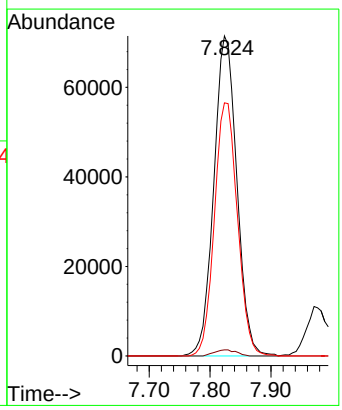
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

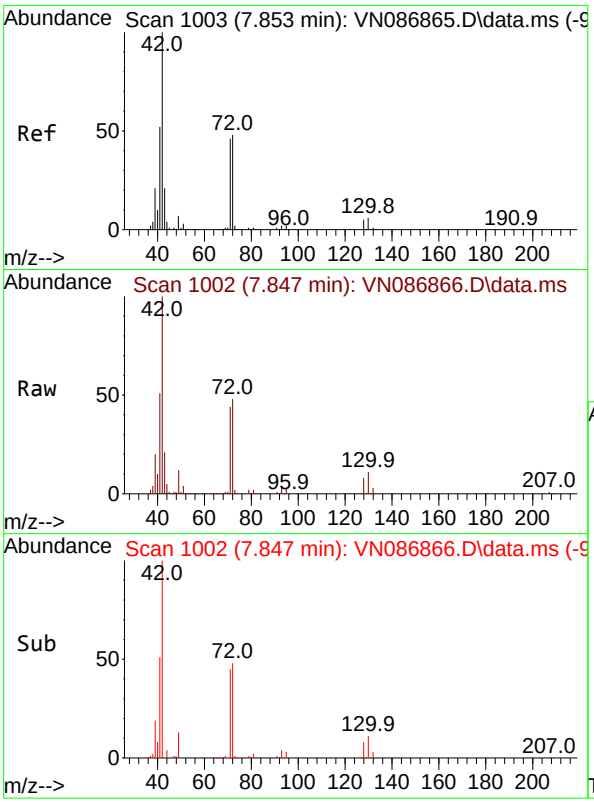


#28
Bromochloromethane
Concen: 93.851 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 49 Resp: 188050

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	78.9	62.2	93.2

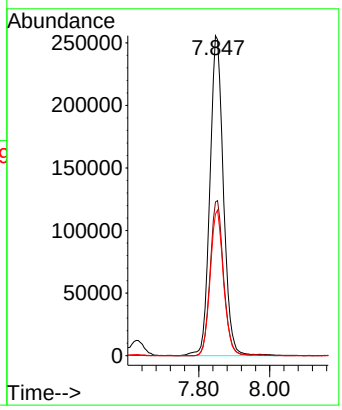




#29
Tetrahydrofuran
Concen: 495.240 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 42 Resp: 67763

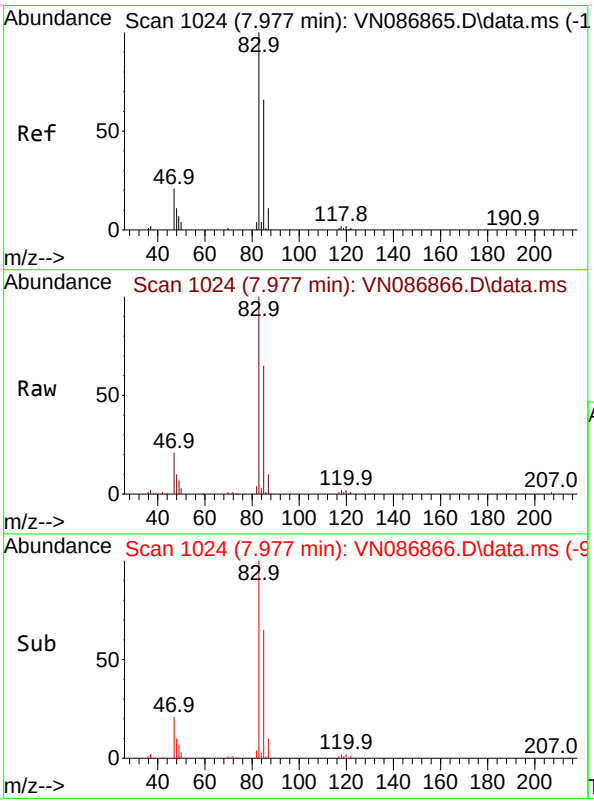
Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	44.8	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

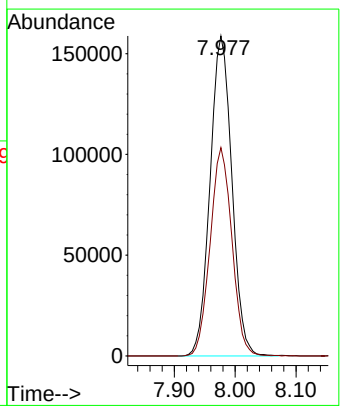
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

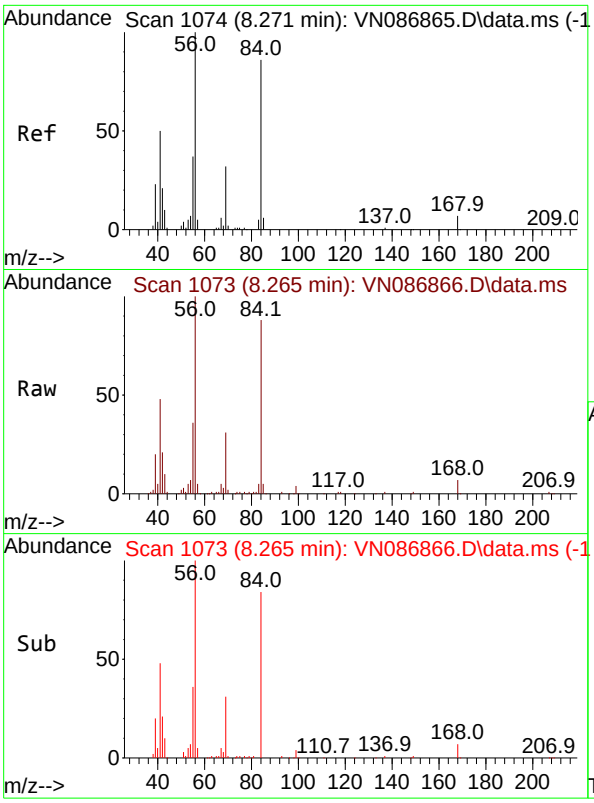


#30
Chloroform
Concen: 97.040 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 394927

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.9	79.3

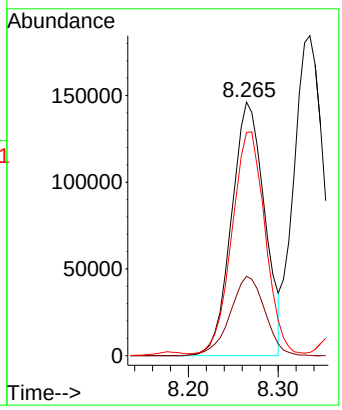




#31
Cyclohexane
Concen: 94.869 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 56 Resp: 37493

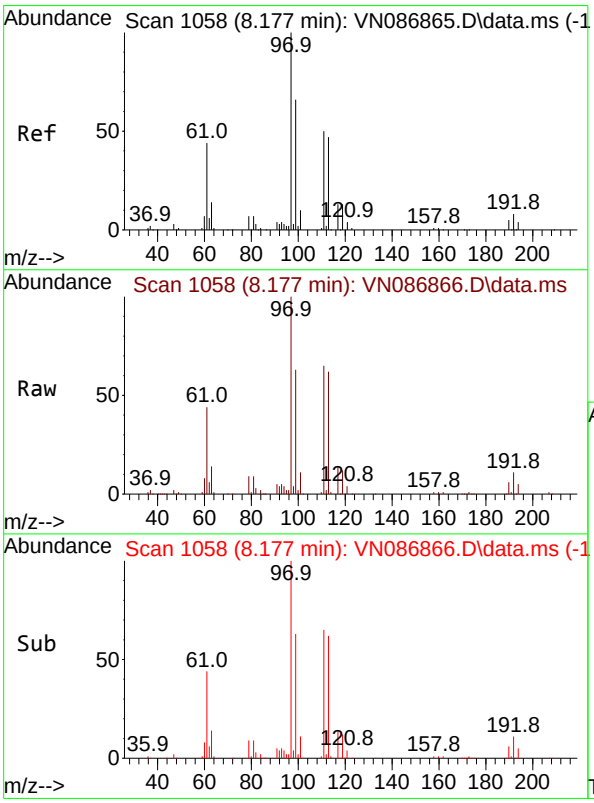
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	86.8	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

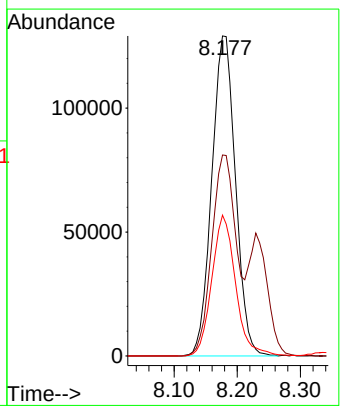
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

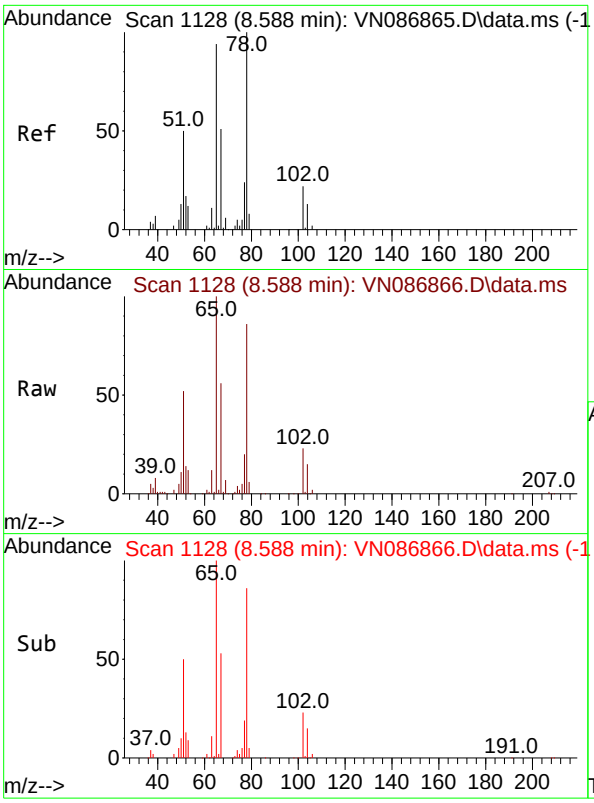


#32
1,1,1-Trichloroethane
Concen: 97.306 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 336819

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	44.2	35.9	53.9

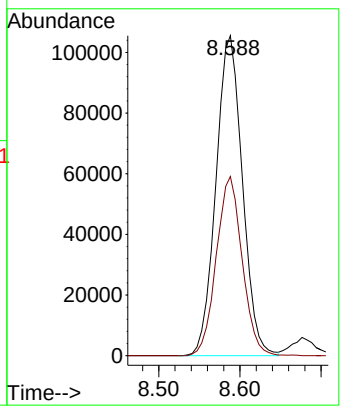




#33
1,2-Dichloroethane-d4
Concen: 98.065 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 65 Resp: 23895

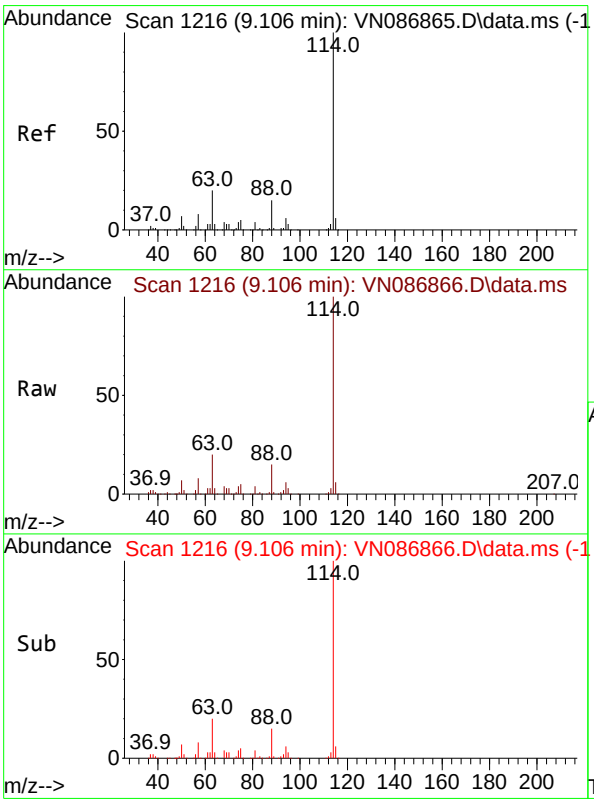
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

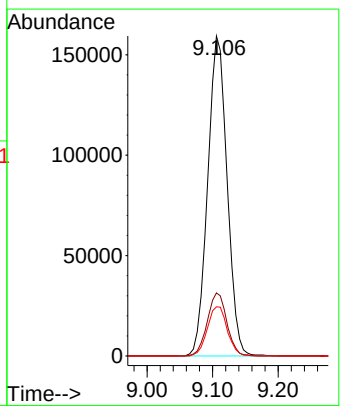
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

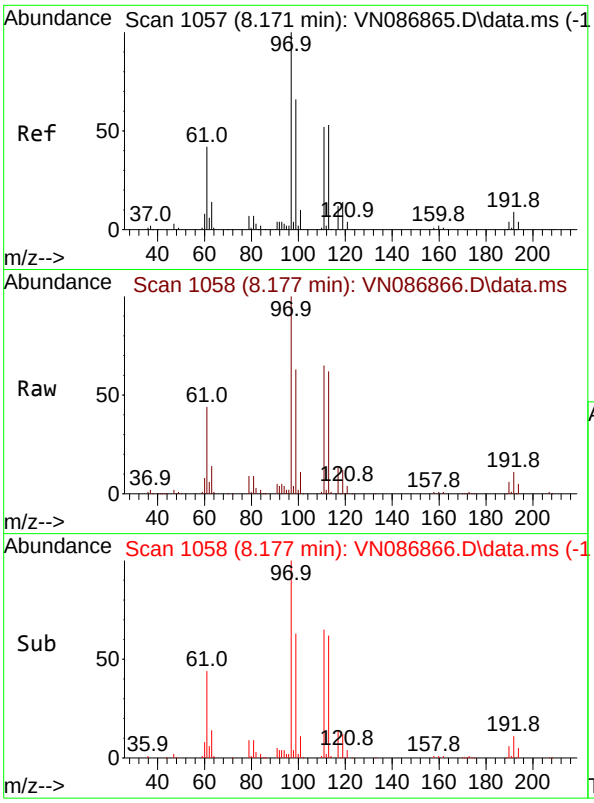


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:114 Resp: 327782

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	30.2

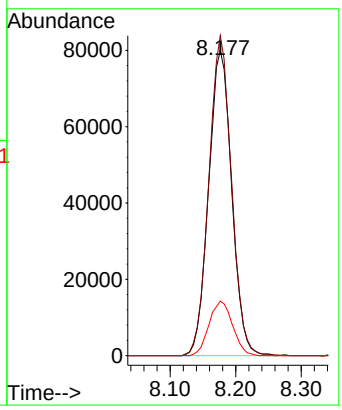




#35
Dibromofluoromethane
Concen: 100.495 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:113 Resp: 19521

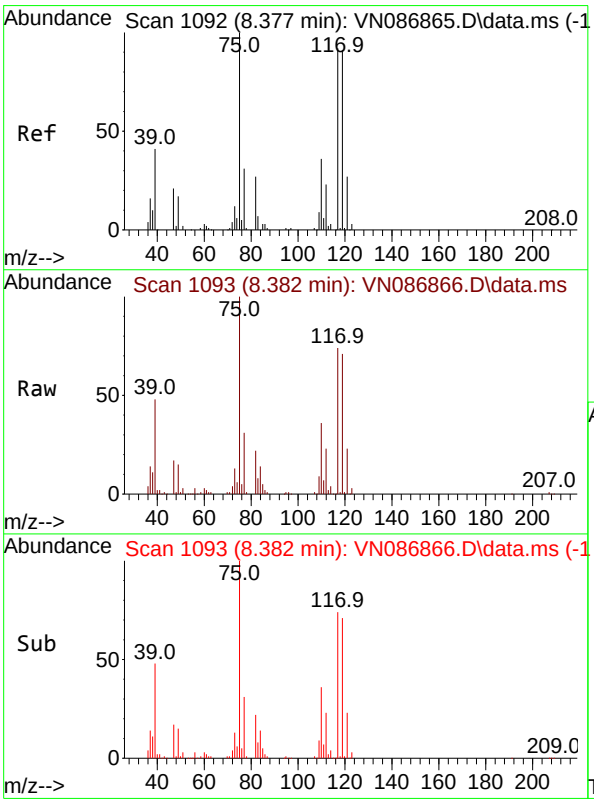
Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	18.2	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

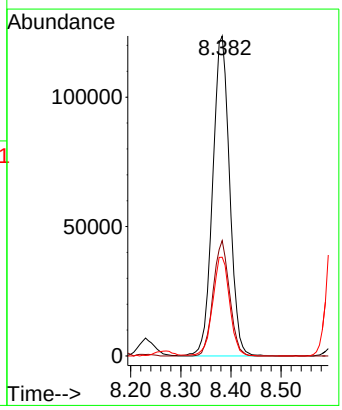
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

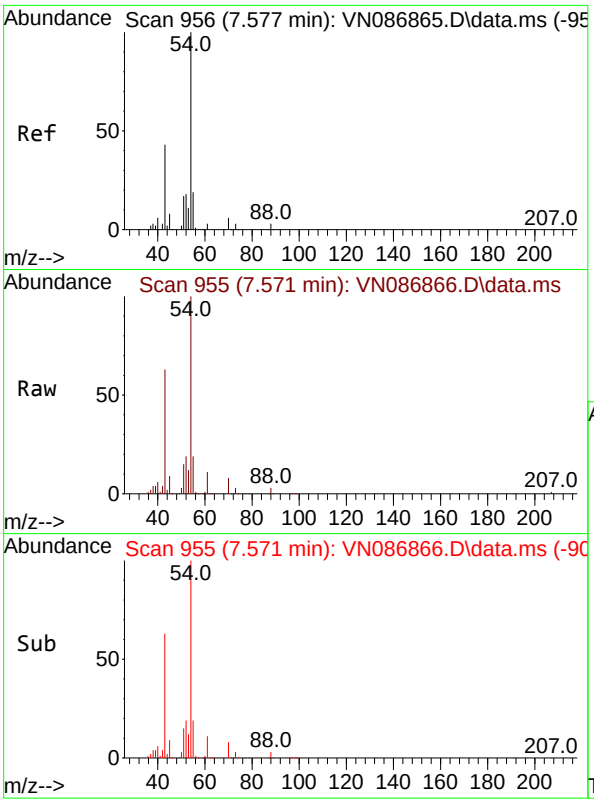


#36
1,1-Dichloropropene
Concen: 100.156 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 289907

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.1	25.3	37.9





#37
Ethyl Acetate
Concen: 100.591 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

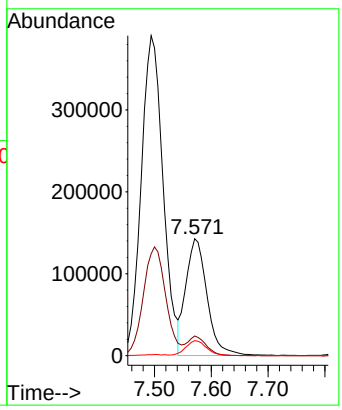
Tgt Ion: 43 Resp: 37065

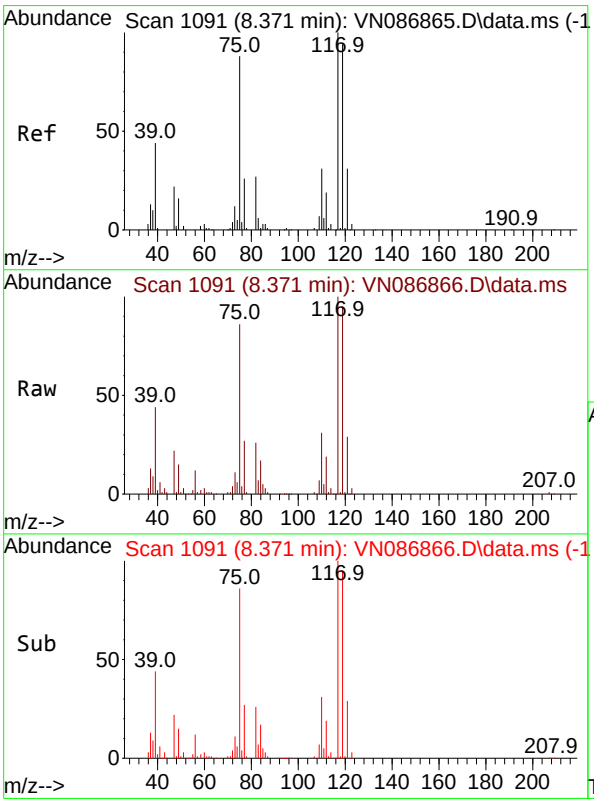
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	12.6	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

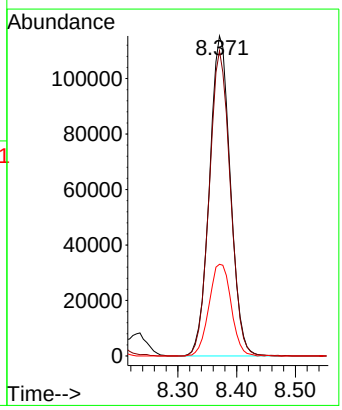


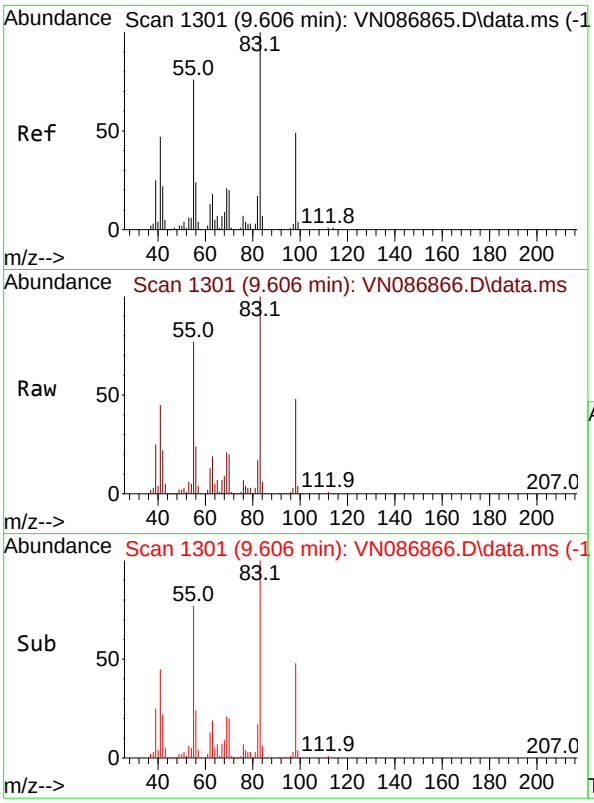


#38
Carbon Tetrachloride
Concen: 100.404 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 285325

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	28.6	24.9	37.3

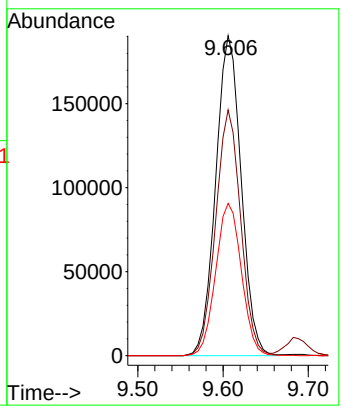




#39
Methylcyclohexane
Concen: 99.758 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 39560

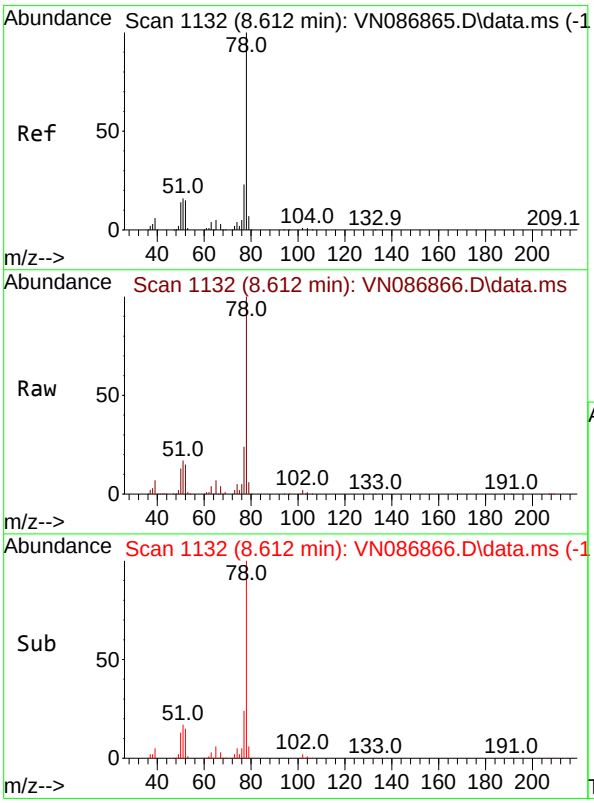
Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	47.6	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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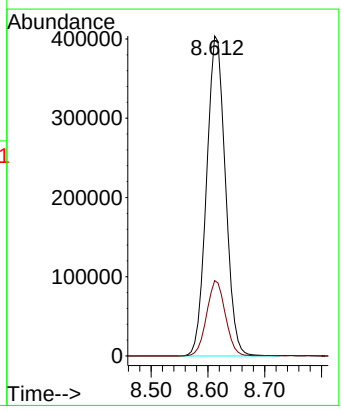
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

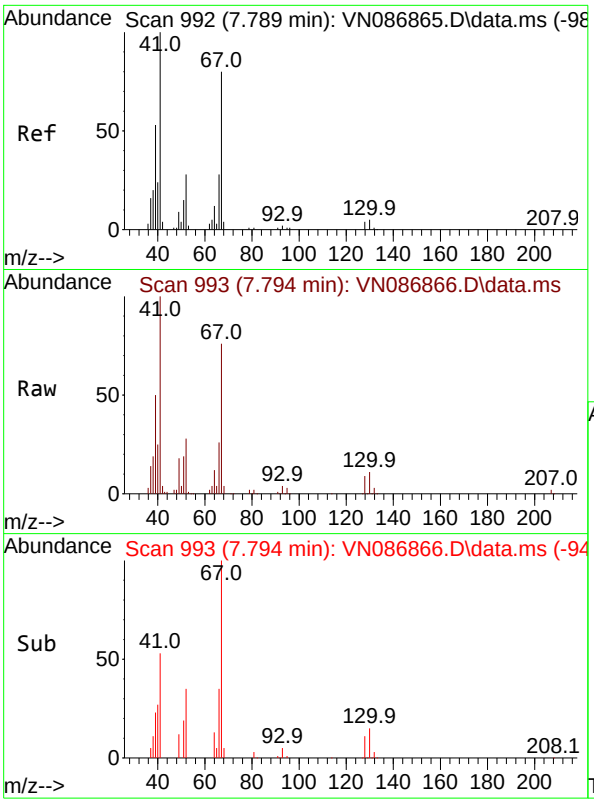


#40
Benzene
Concen: 97.946 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 78 Resp: 927083

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1

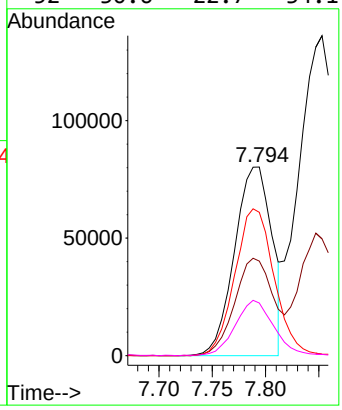




#41
Methacrylonitrile
Concen: 94.688 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 19594

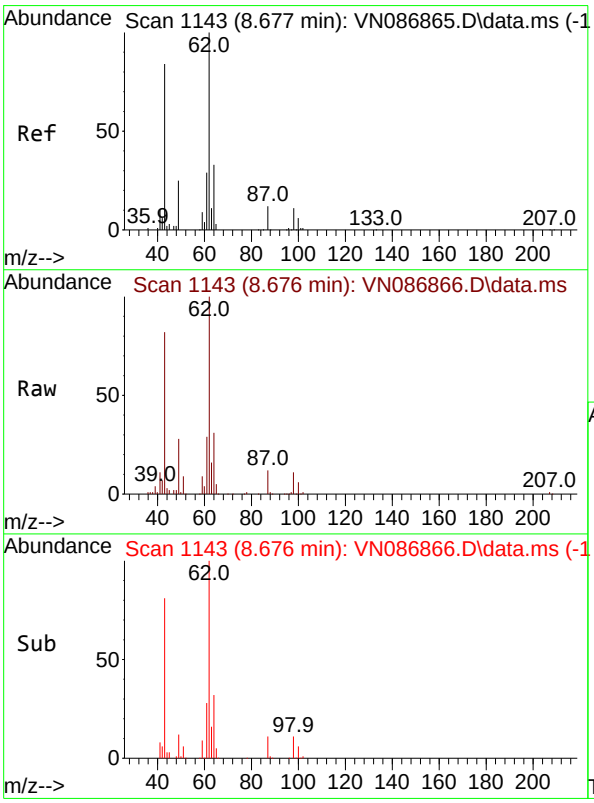
Ion	Ratio	Lower	Upper
41	100		
39	54.3	41.2	61.8
67	82.5	61.4	92.2
52	30.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

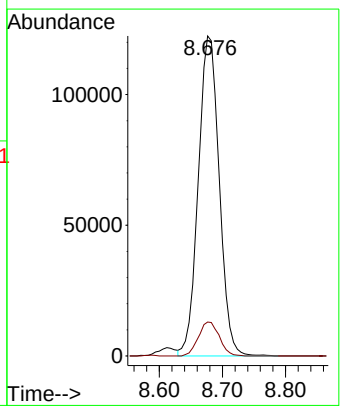
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

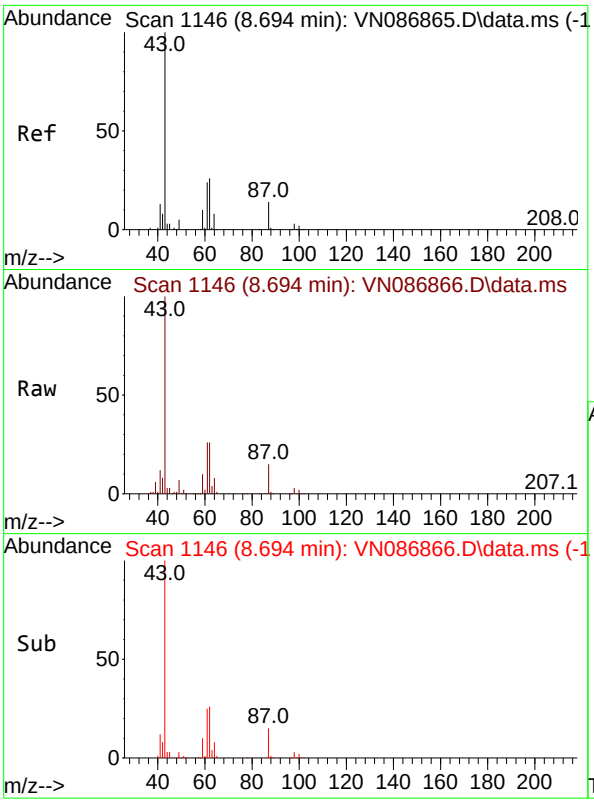


#42
1,2-Dichloroethane
Concen: 98.232 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 282015

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 97.981 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

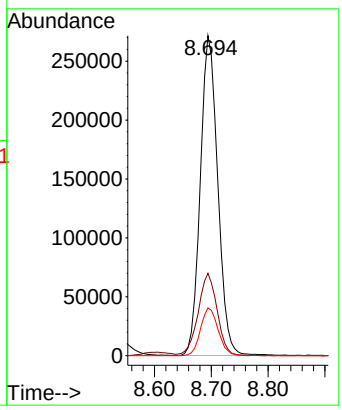
Tgt Ion: 43 Resp: 57946

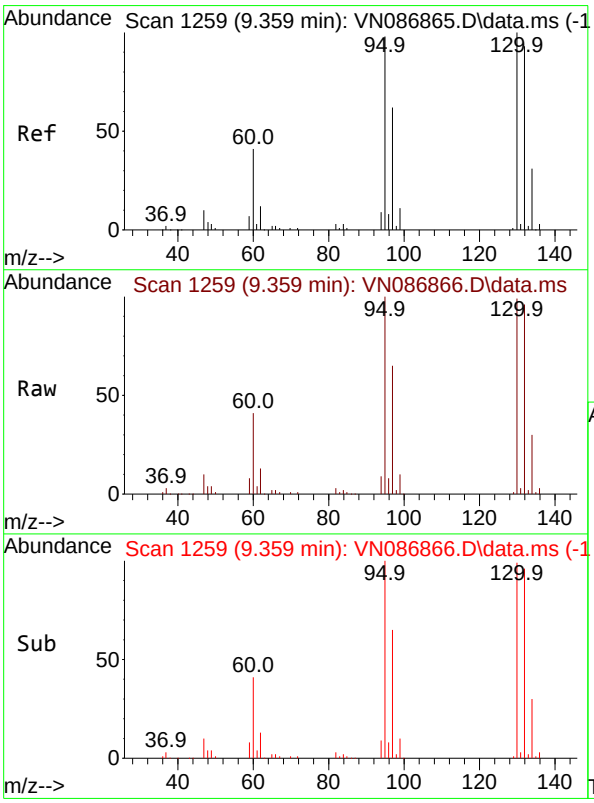
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.1	33.1
87	15.0	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

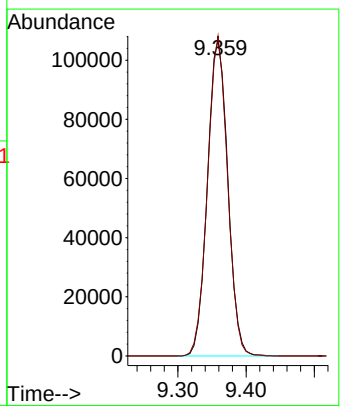


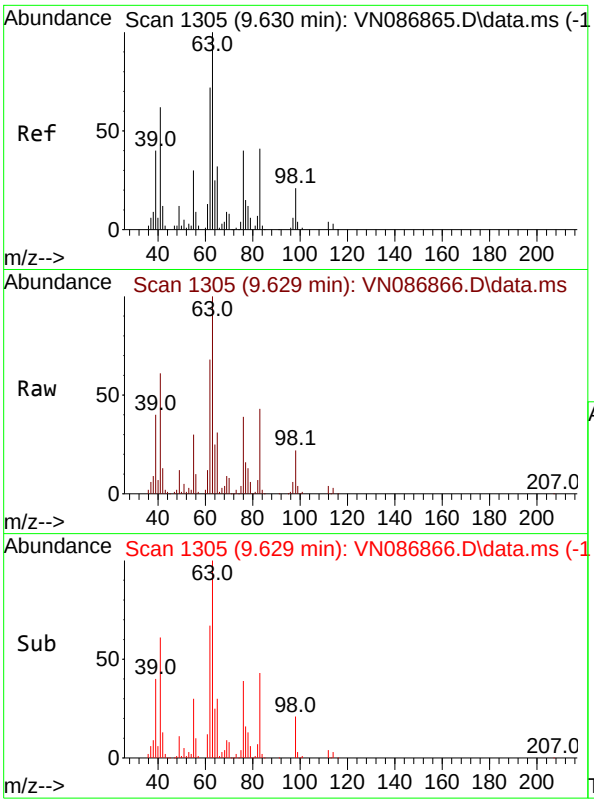


#44
Trichloroethene
Concen: 99.280 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:130 Resp: 222822

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	196.2

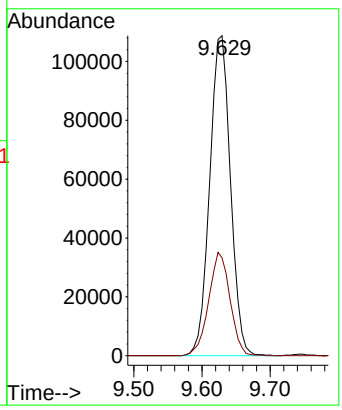




#45
1,2-Dichloropropane
Concen: 100.077 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 23045

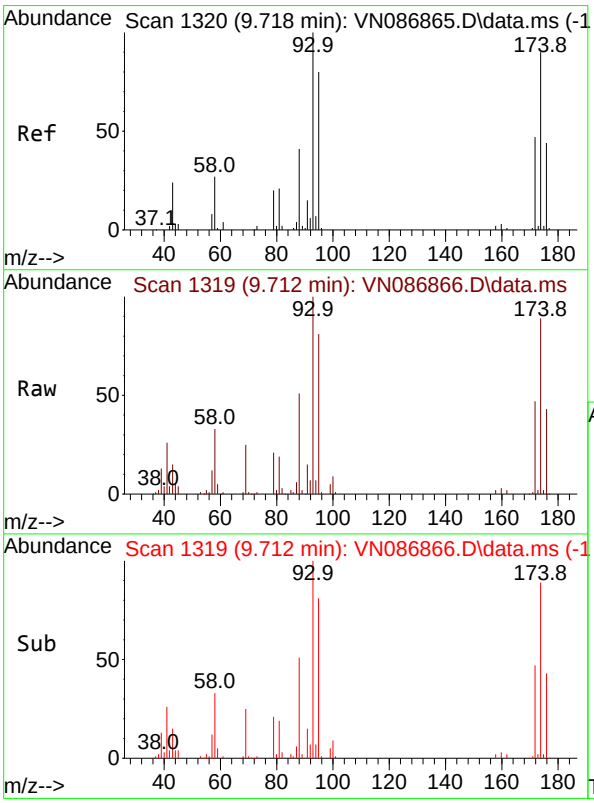
Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

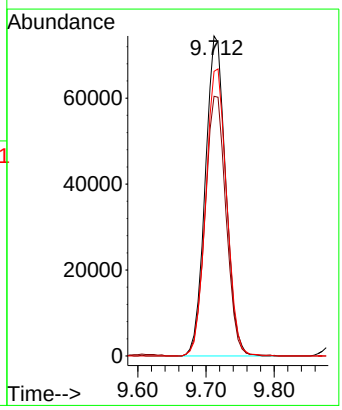
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

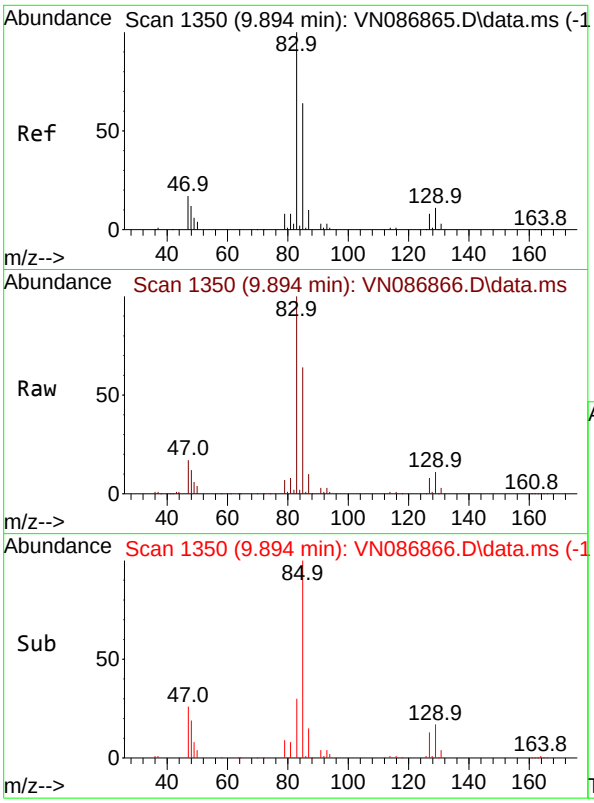


#46
Dibromomethane
Concen: 101.685 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 93 Resp: 155530

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.1	100.7
174	91.6	74.2	111.4

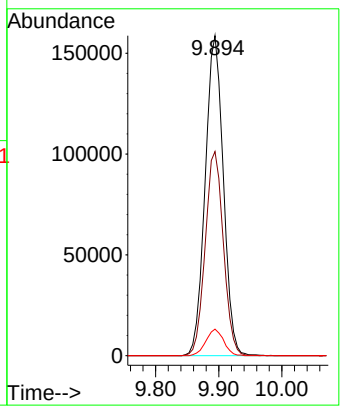




#47
Bromodichloromethane
Concen: 100.533 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 31637

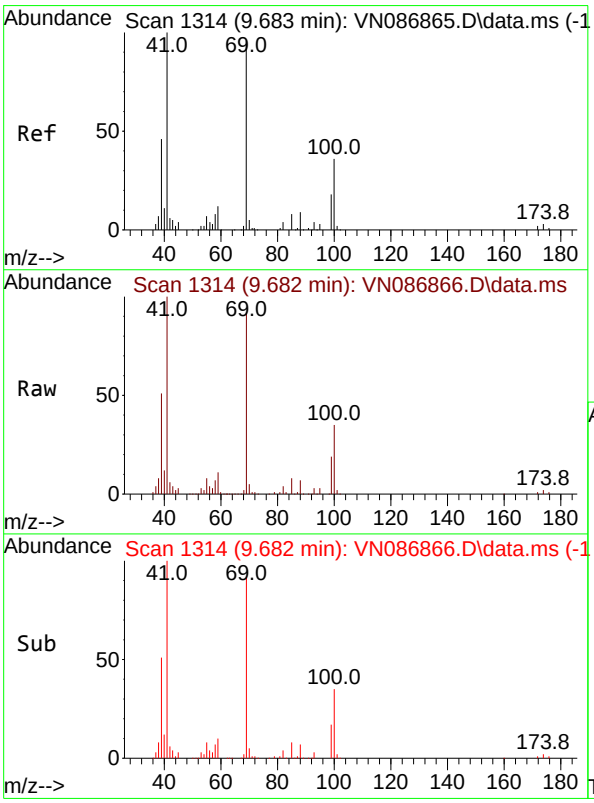
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.3	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

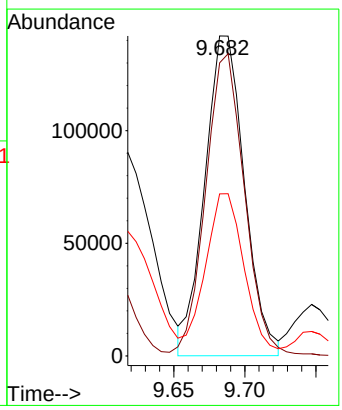
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

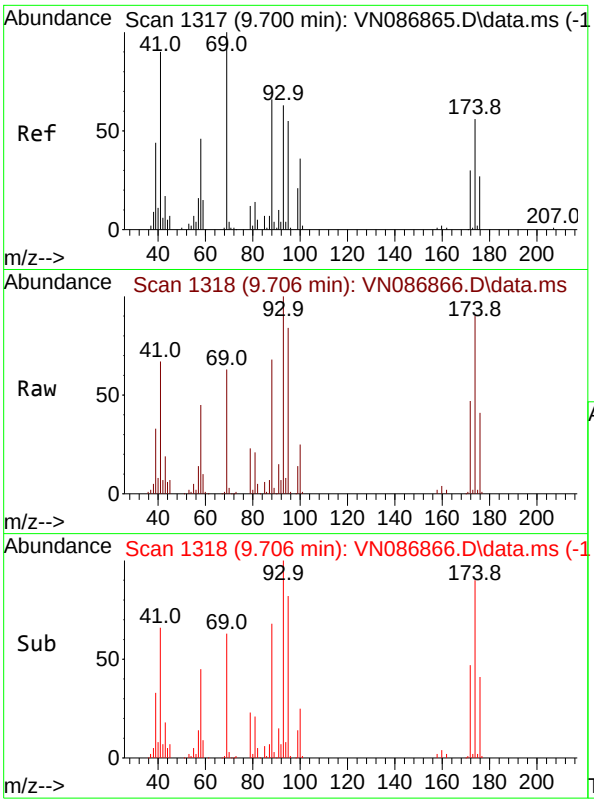


#48
Methyl methacrylate
Concen: 101.288 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 275710

Ion	Ratio	Lower	Upper
41	100		
69	92.4	74.6	112.0
39	50.1	40.2	60.4

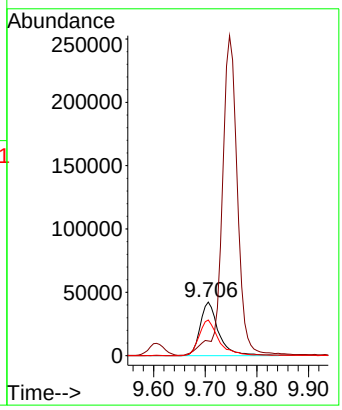




#49
1,4-Dioxane
Concen: 2115.744 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 88 Resp: 10477

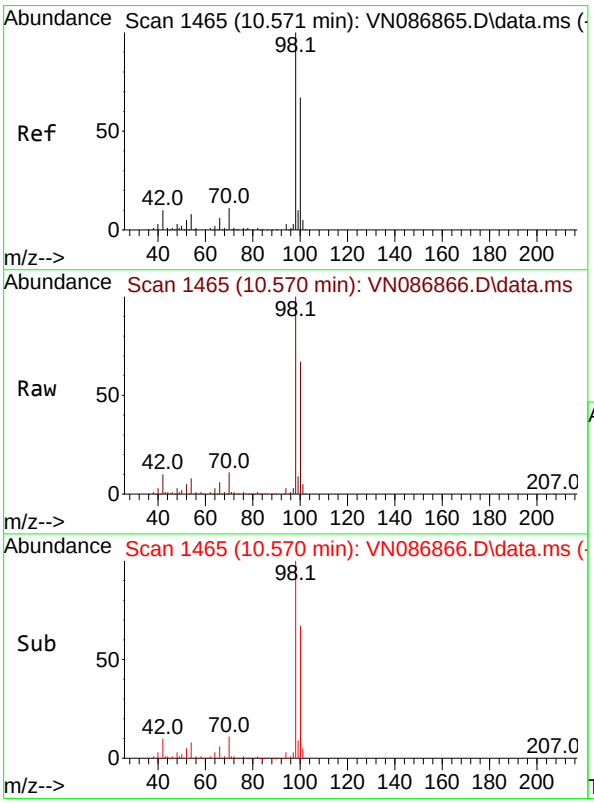
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.5	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

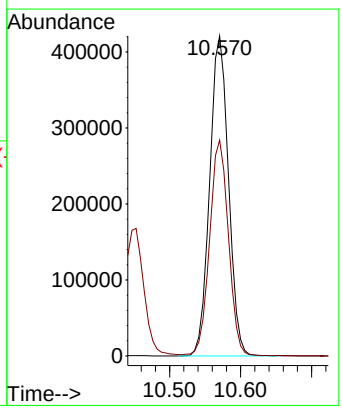
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

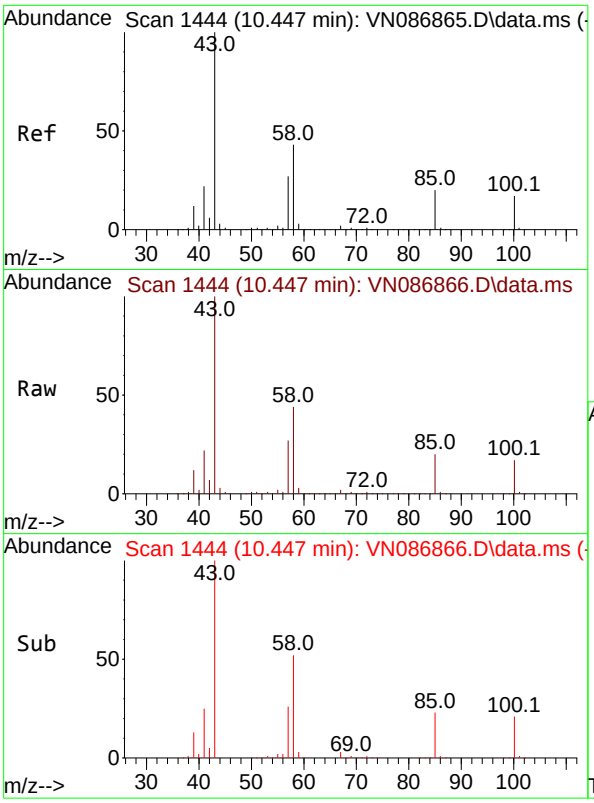


#50
Toluene-d8
Concen: 100.419 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 98 Resp: 772210

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 517.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

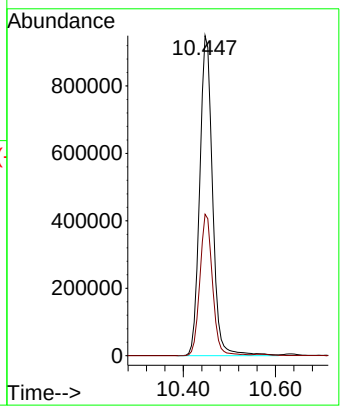
Tgt Ion: 43 Resp: 184327

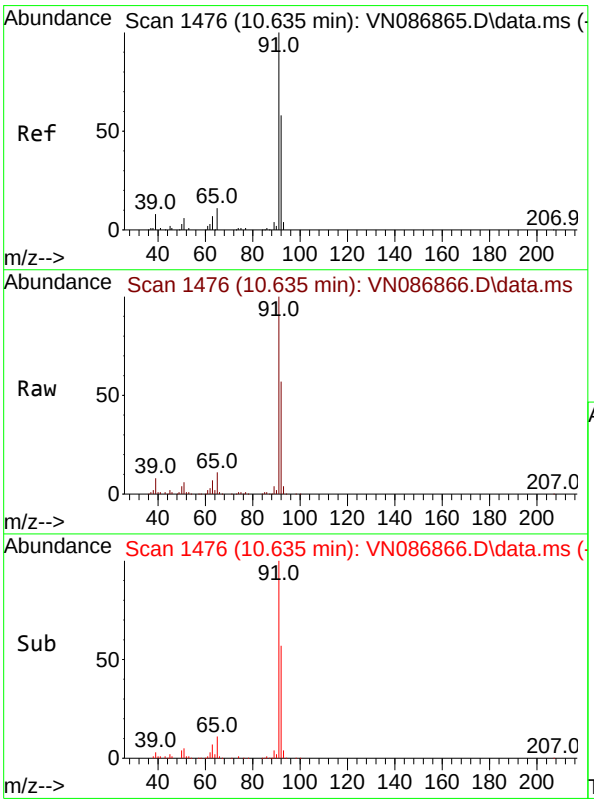
Ion	Ratio	Lower	Upper
43	100		
58	43.6	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

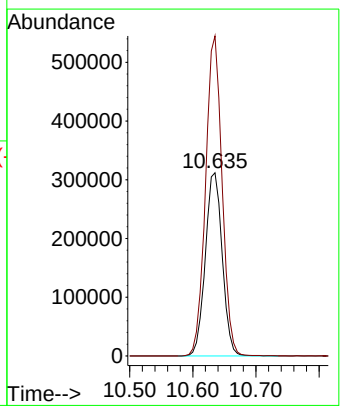


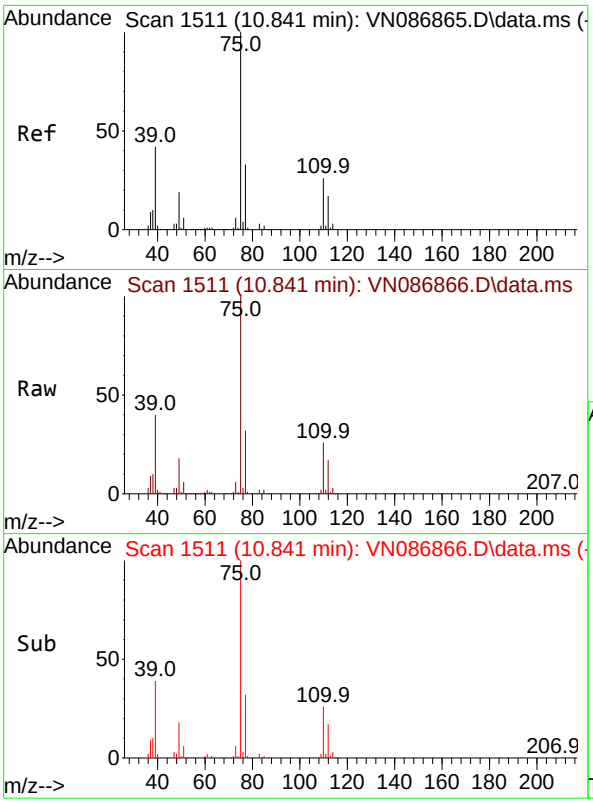


#52
Toluene
Concen: 100.092 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 92 Resp: 578978

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7

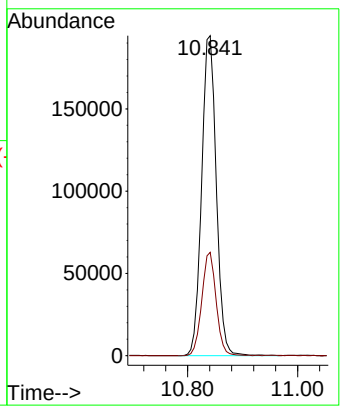




#53
t-1,3-Dichloropropene
Concen: 102.077 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 35920

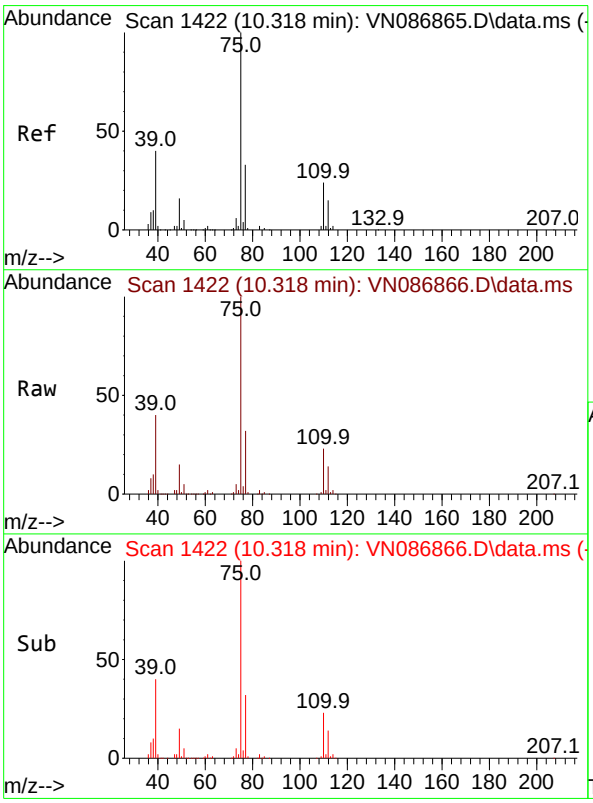
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

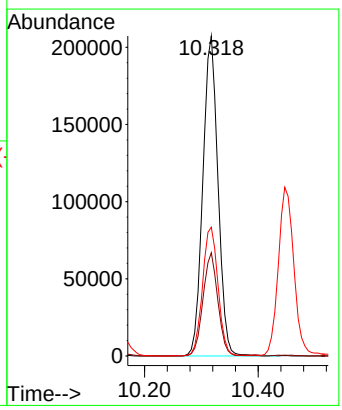
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

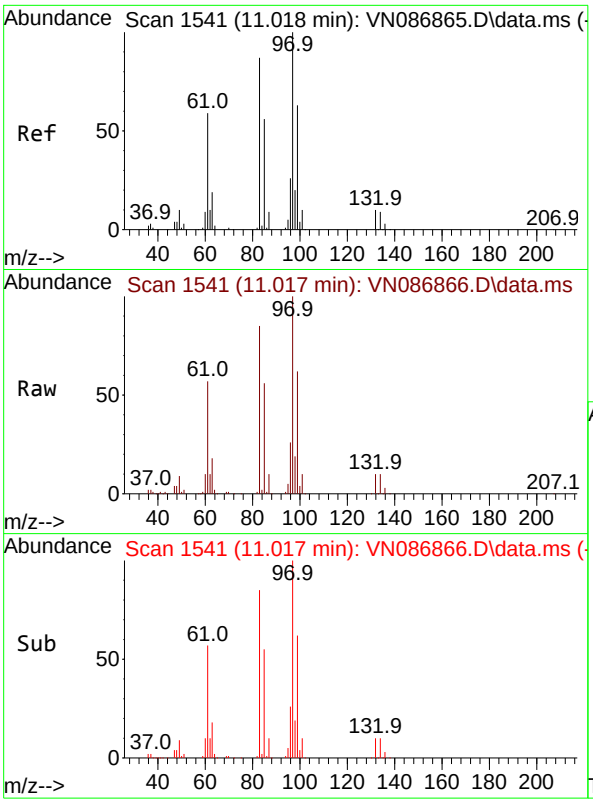


#54
cis-1,3-Dichloropropene
Concen: 101.730 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 383030

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4
39	40.1	32.3	48.5

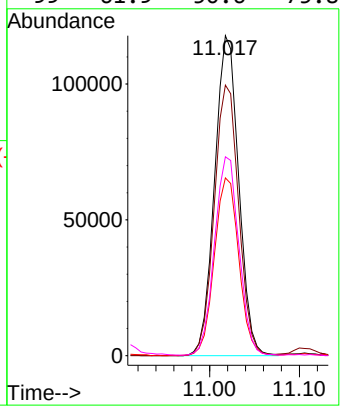




#55
1,1,2-Trichloroethane
Concen: 98.808 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 21992

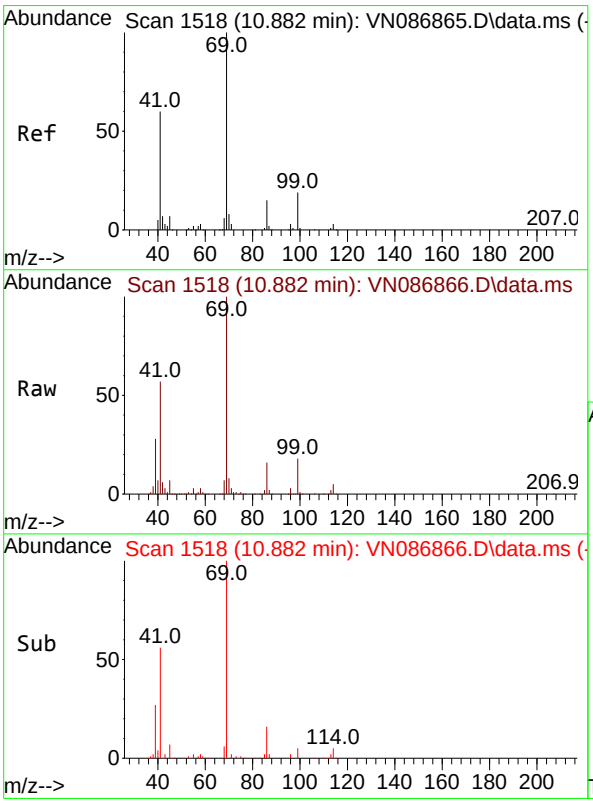
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.7	104.5
85	55.6	45.1	67.7
99	61.9	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

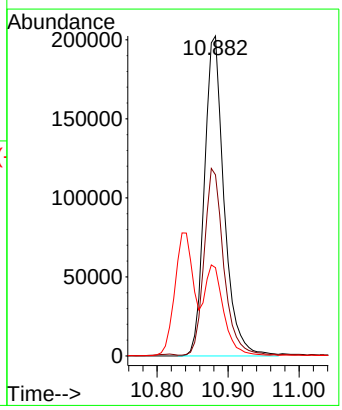
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

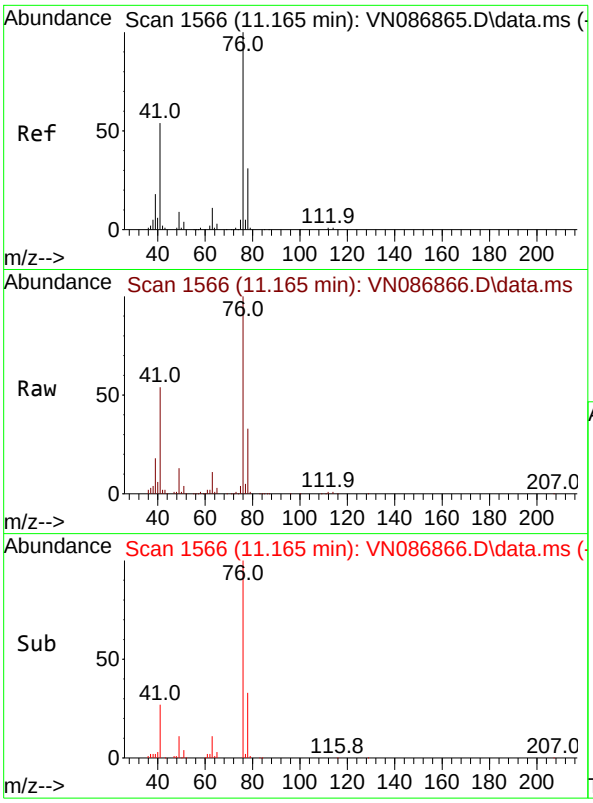


#56
Ethyl methacrylate
Concen: 109.955 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 69 Resp: 389802

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.2	70.8
39	27.5	23.0	34.6

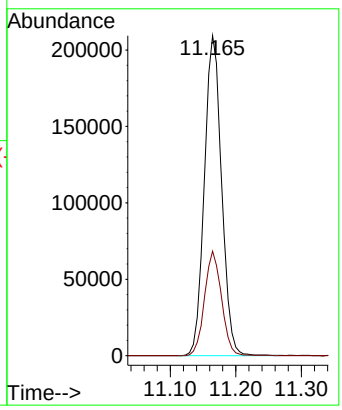




#57
1,3-Dichloropropane
Concen: 99.069 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 76 Resp: 38251

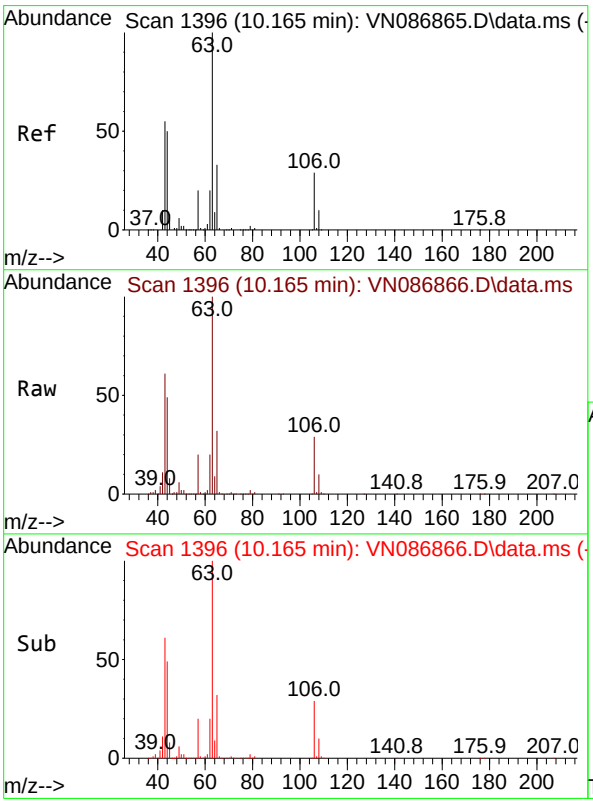
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

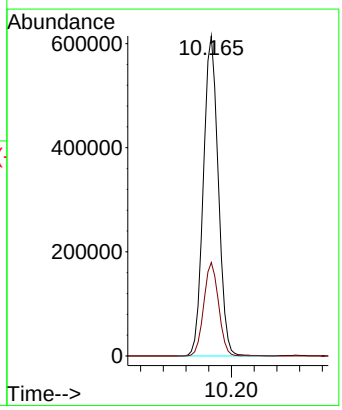
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

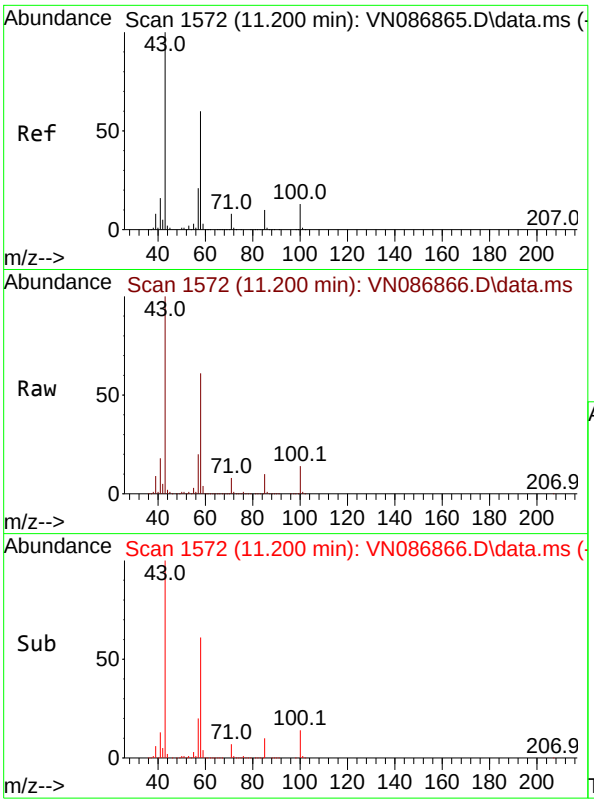


#58
2-Chloroethyl Vinyl ether
Concen: 526.621 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 1113523

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6

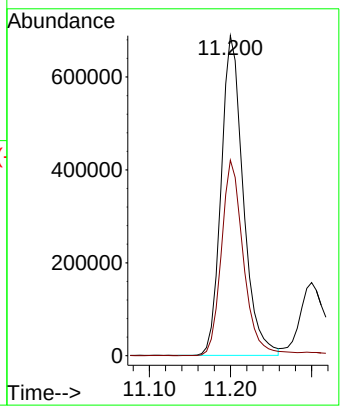




#59
2-Hexanone
Concen: 567.535 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 130153

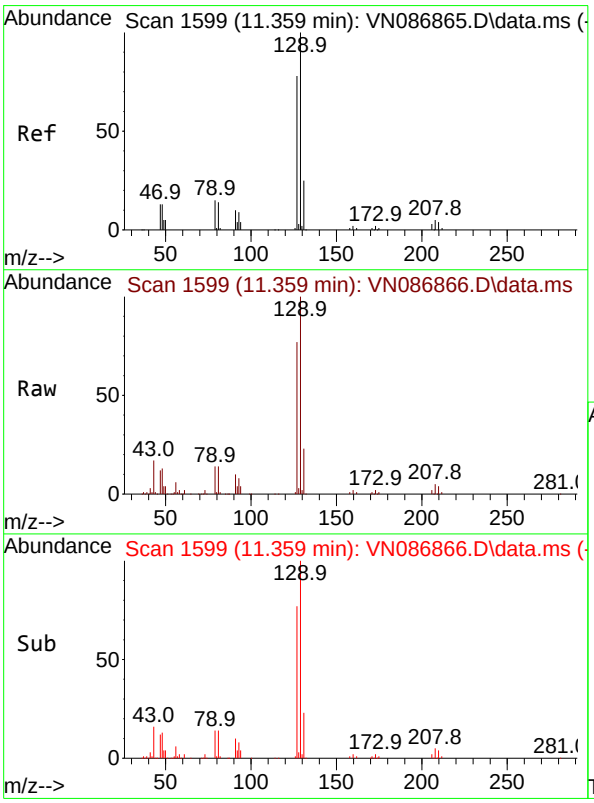
Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.4	91.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

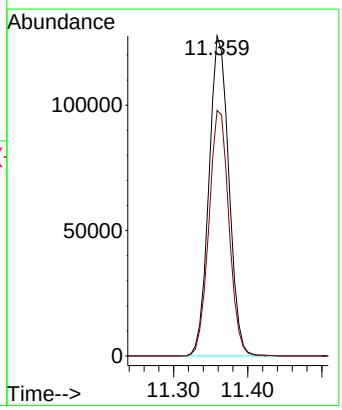
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

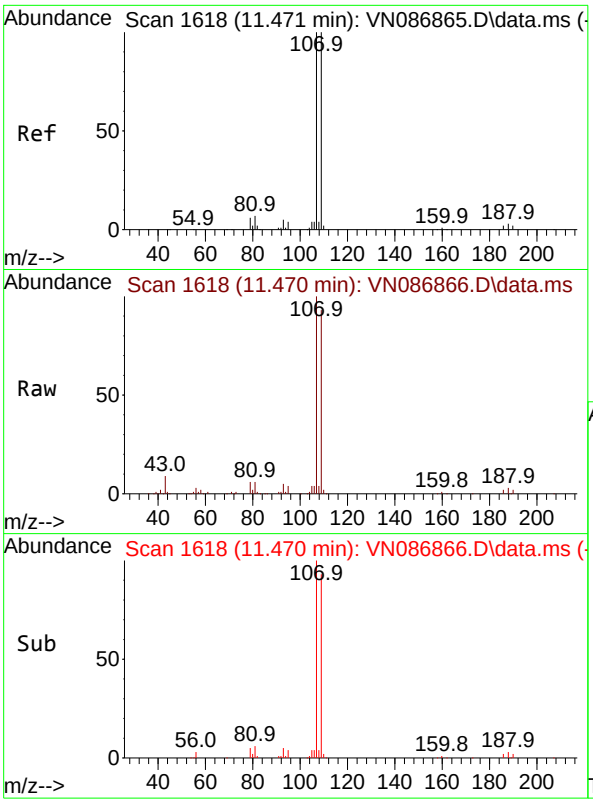


#60
Dibromochloromethane
Concen: 102.616 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:129 Resp: 237965

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8

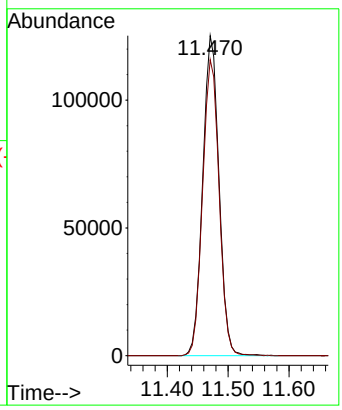




#61
1,2-Dibromoethane
Concen: 101.787 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:107 Resp: 23221

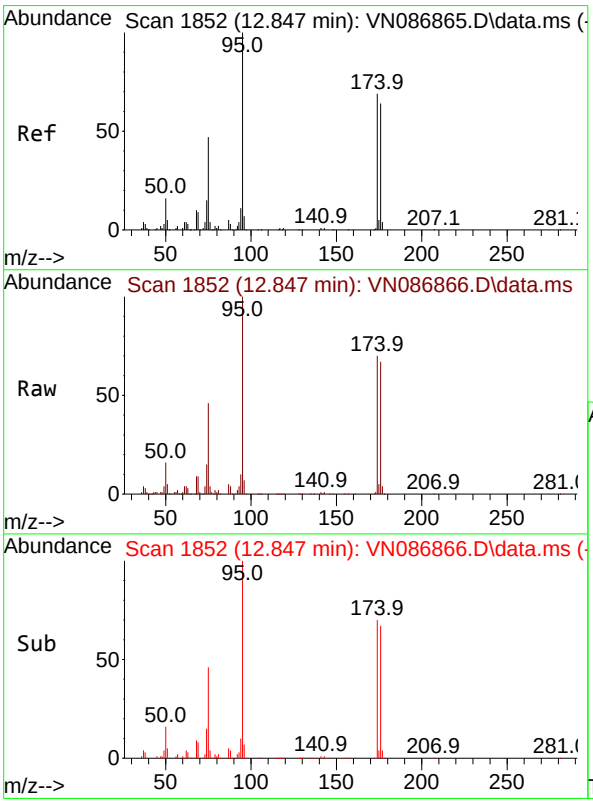
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

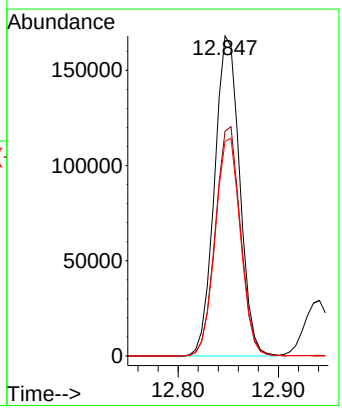
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

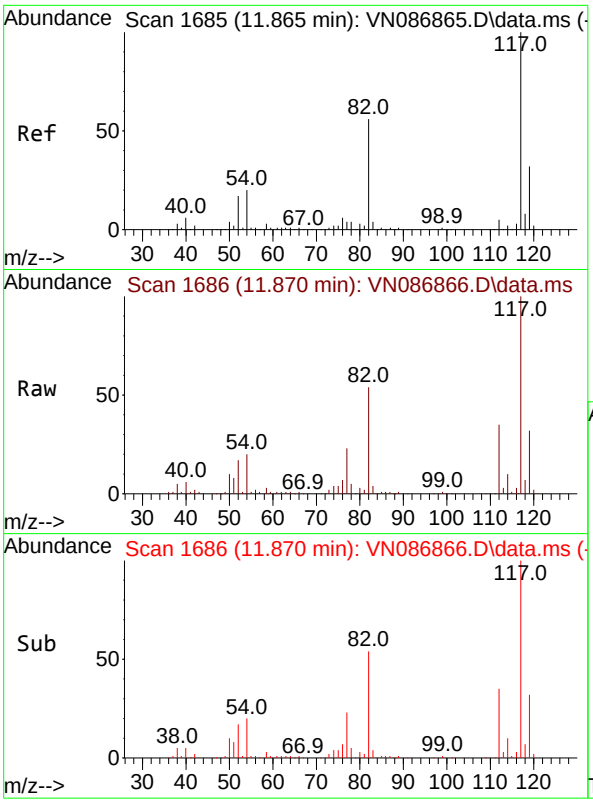


#62
4-Bromofluorobenzene
Concen: 102.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 95 Resp: 292385

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.6	0.0	132.6

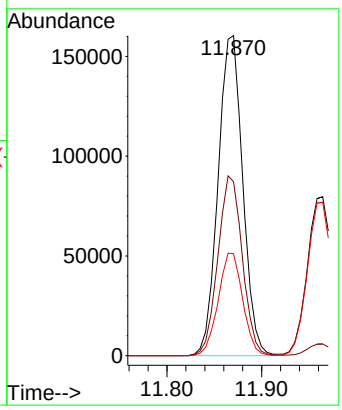




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 29031

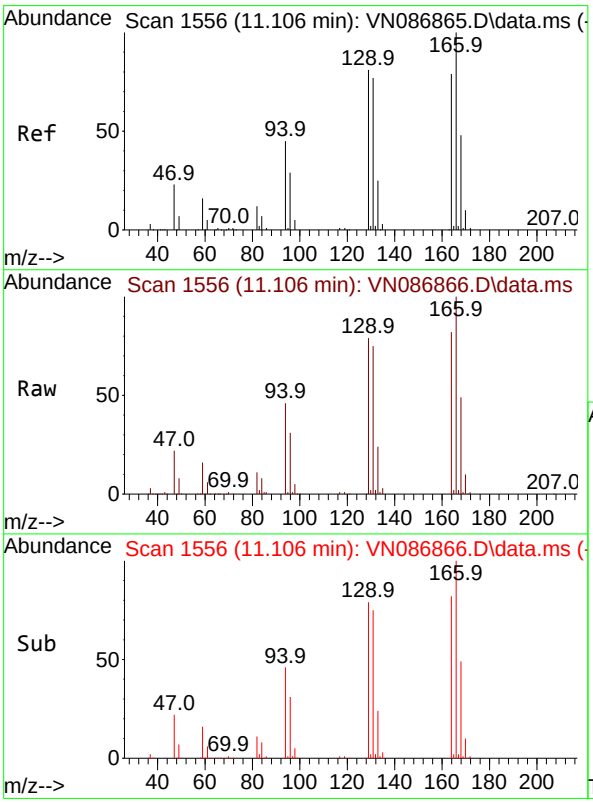
Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	67.0
119	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

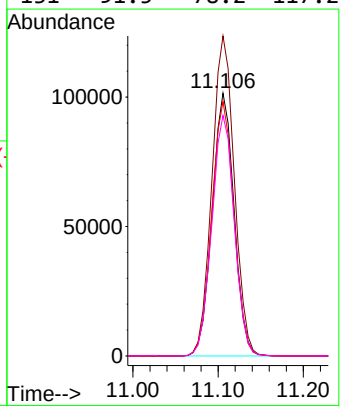
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

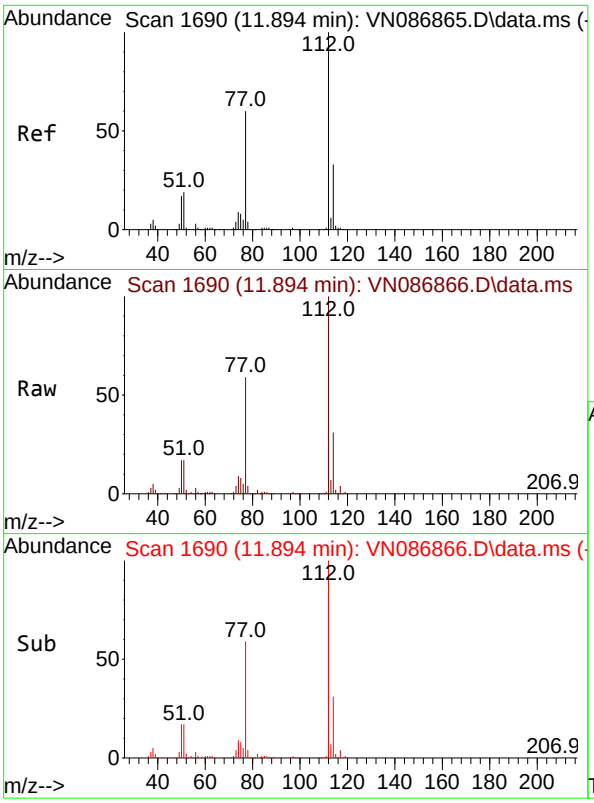


#64
Tetrachloroethene
Concen: 98.824 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:164 Resp: 181568

Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.8	152.8
129	96.8	83.0	124.4
131	91.5	78.2	117.2

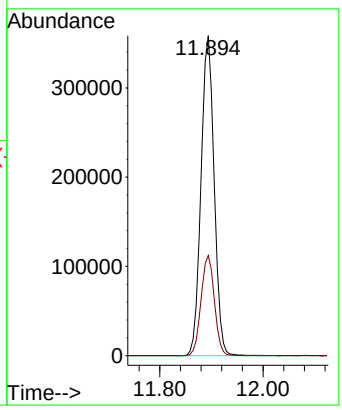




#65
Chlorobenzene
Concen: 98.793 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:112 Resp: 63256

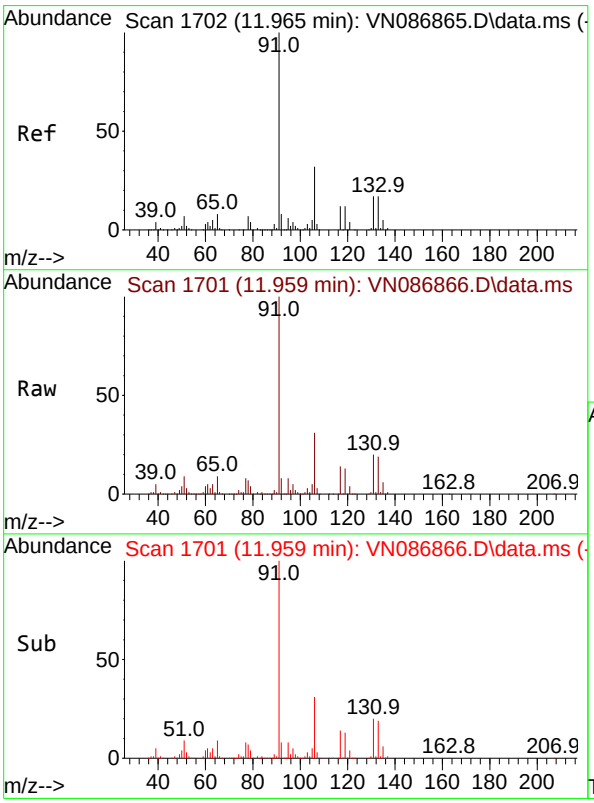
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

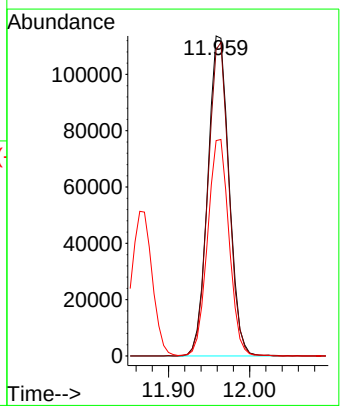
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

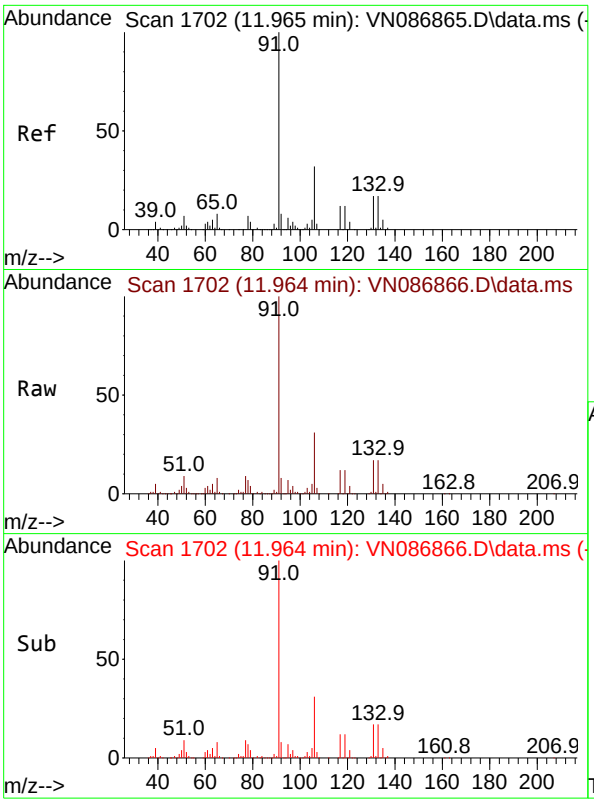


#66
1,1,1,2-Tetrachloroethane
Concen: 100.521 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:131 Resp: 206895

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	68.2	34.0	101.8

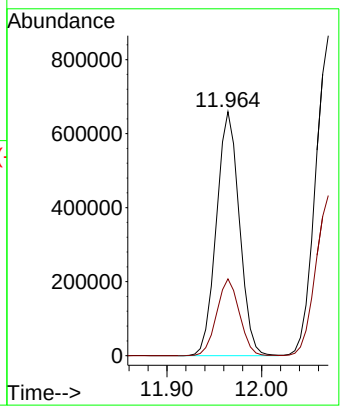




#67
Ethyl Benzene
Concen: 100.717 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 111080

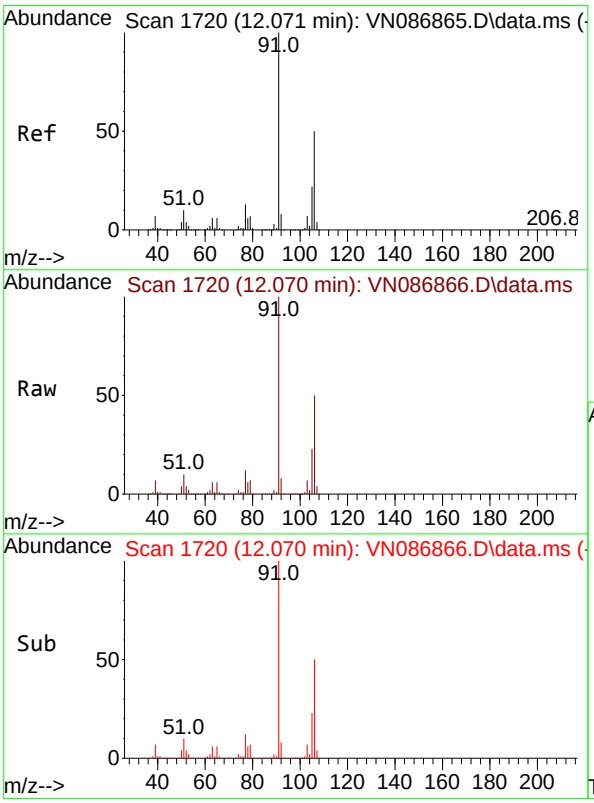
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

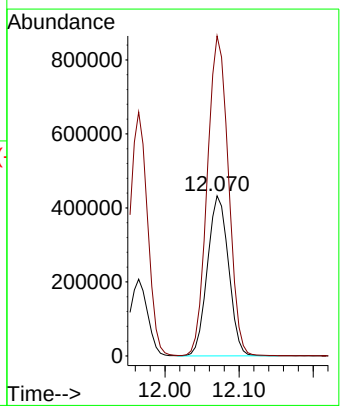
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

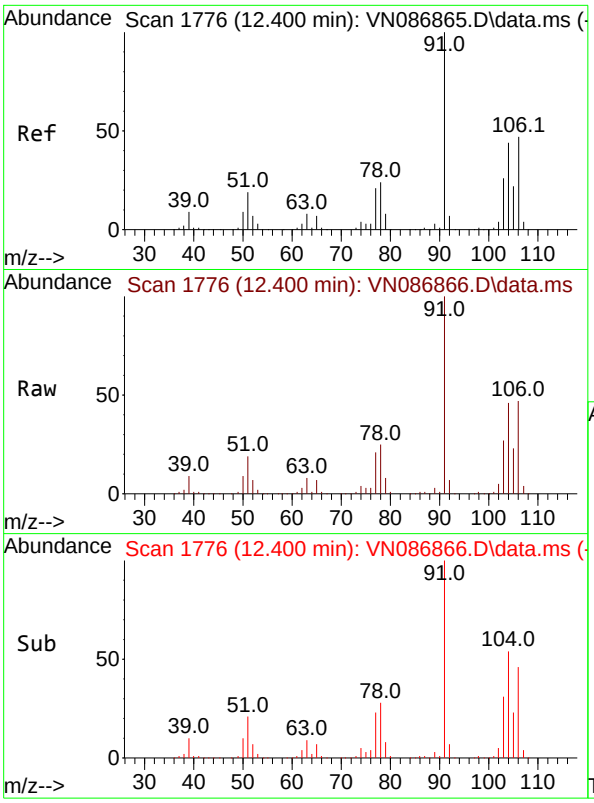


#68
m/p-Xylenes
Concen: 202.411 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:106 Resp: 854557

Ion	Ratio	Lower	Upper
106	100		
91	200.4	159.4	239.0

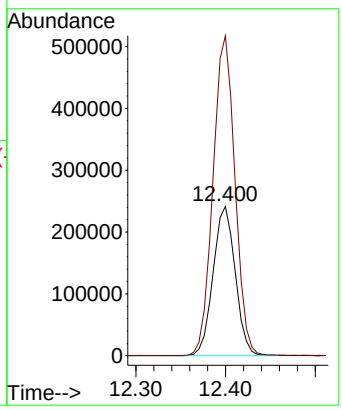




#69
o-Xylene
Concen: 102.070 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:106 Resp: 41271

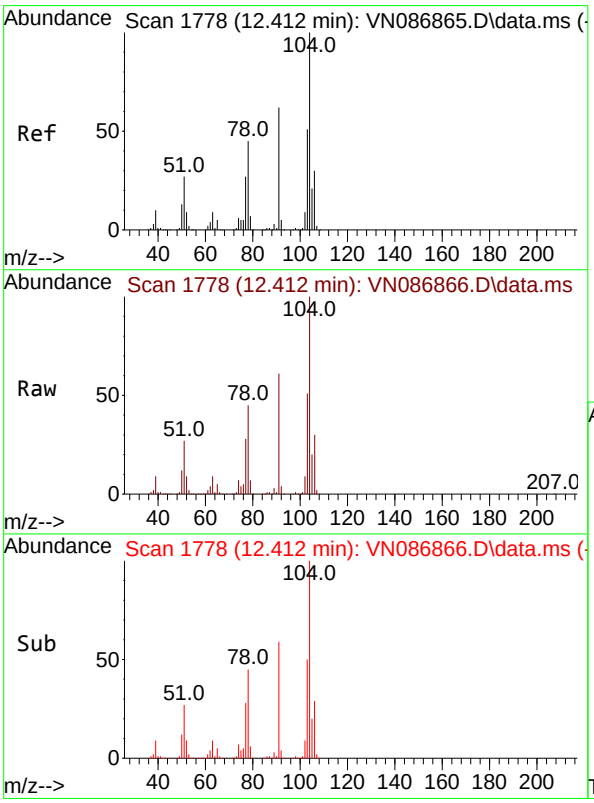
Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

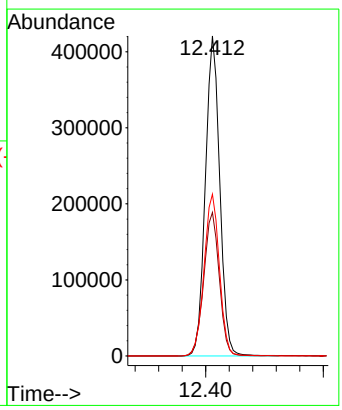
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

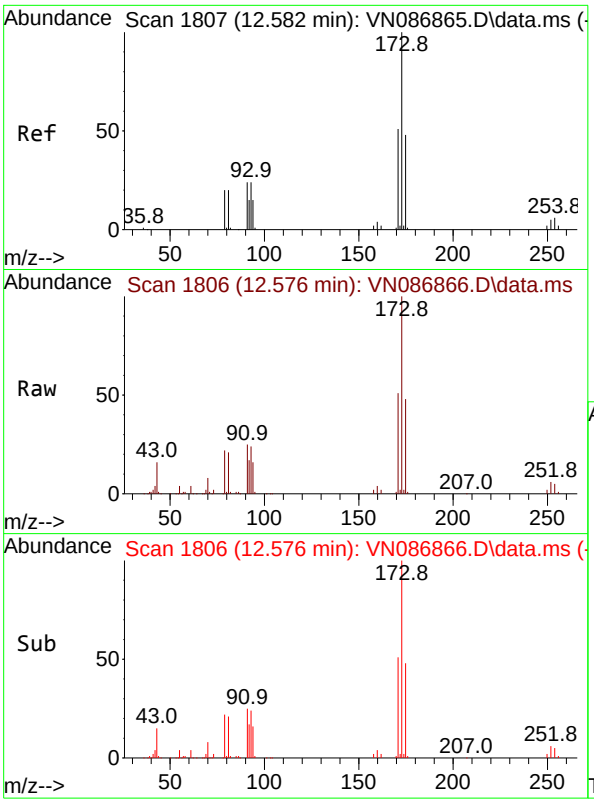


#70
Styrene
Concen: 103.127 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:104 Resp: 713548

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7

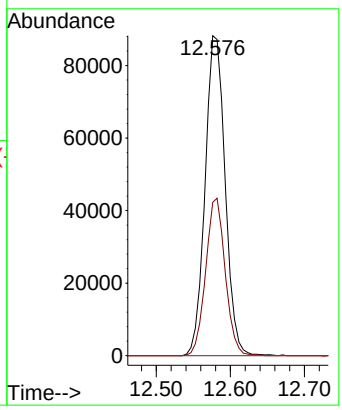




#71
Bromoform
Concen: 108.707 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:173 Resp: 16578

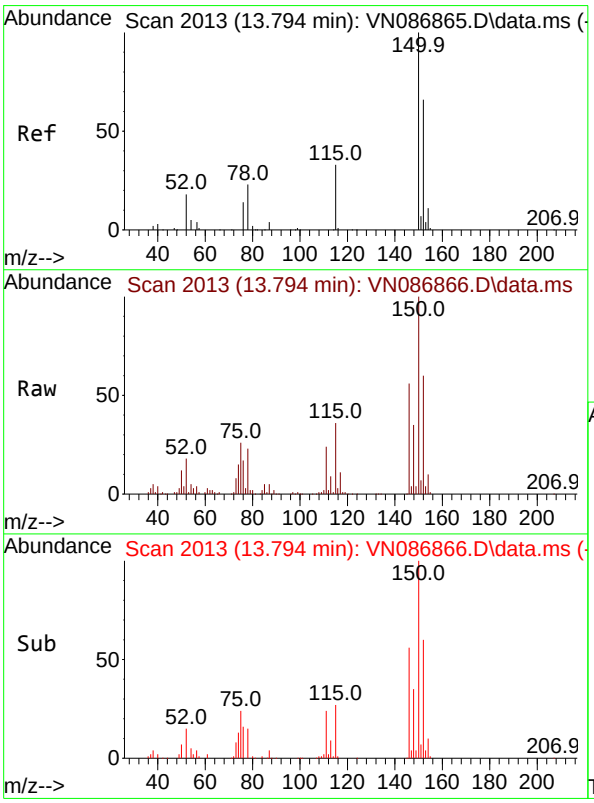
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

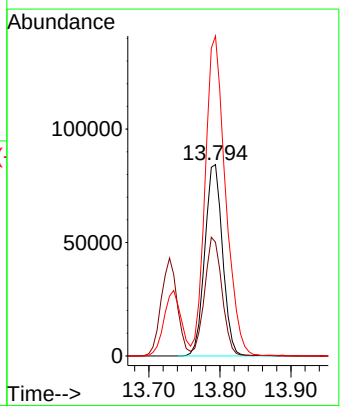
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

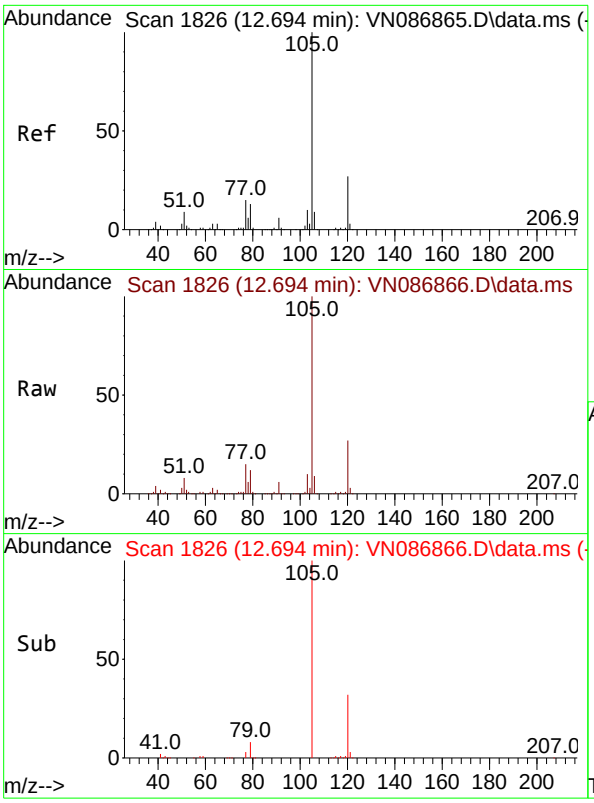


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:152 Resp: 147098

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	190.4	0.0	345.0

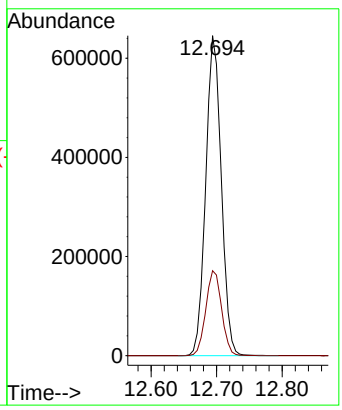




#73
Isopropylbenzene
Concen: 99.410 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 106529

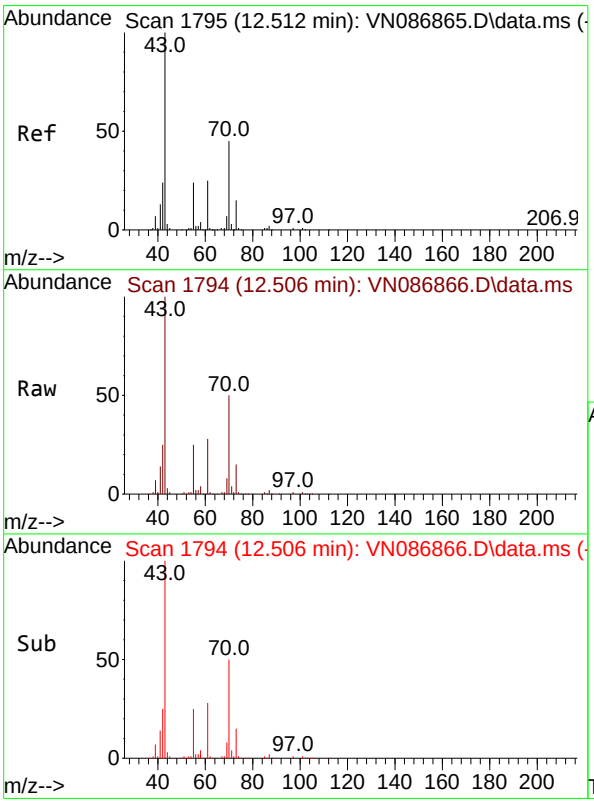
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

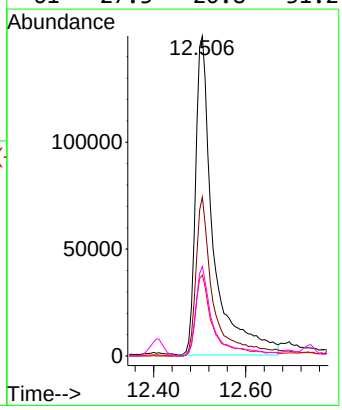
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

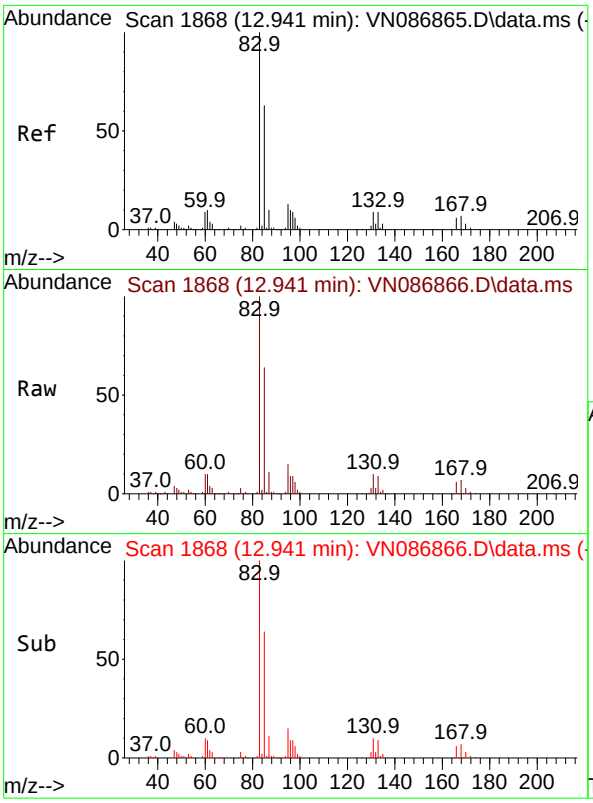


#74
N-amyl acetate
Concen: 113.475 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 403587

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	25.0	19.0	28.6
61	27.3	20.8	31.2

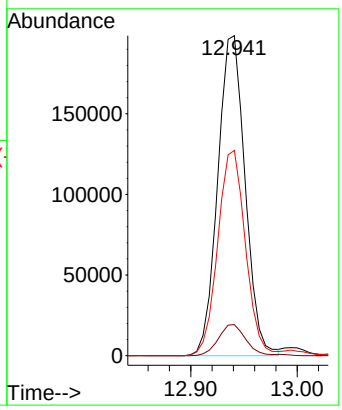




#75
1,1,2,2-Tetrachloroethane
Concen: 97.616 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 35438

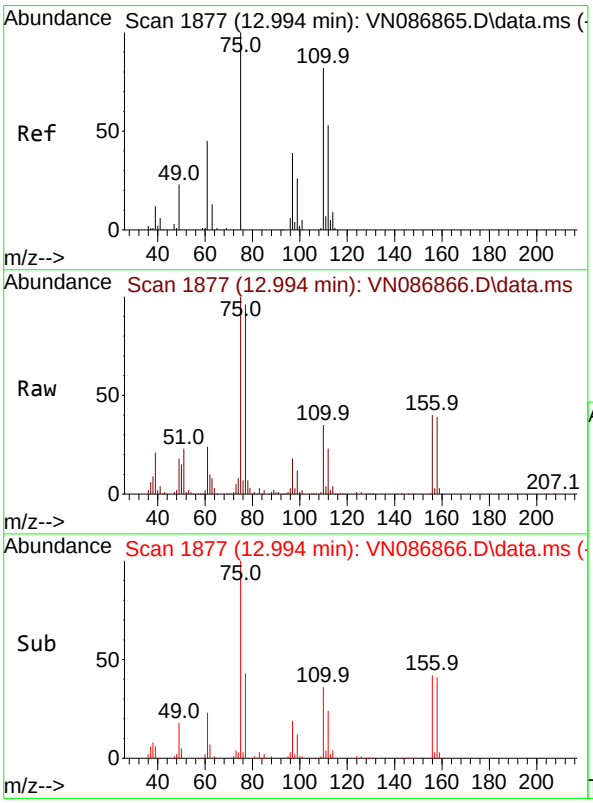
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.9	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

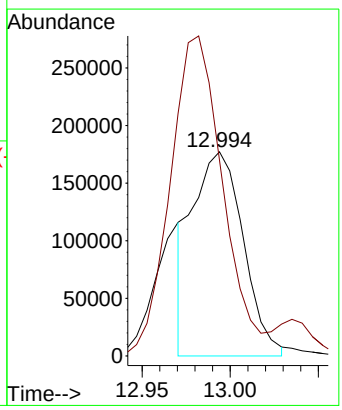
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

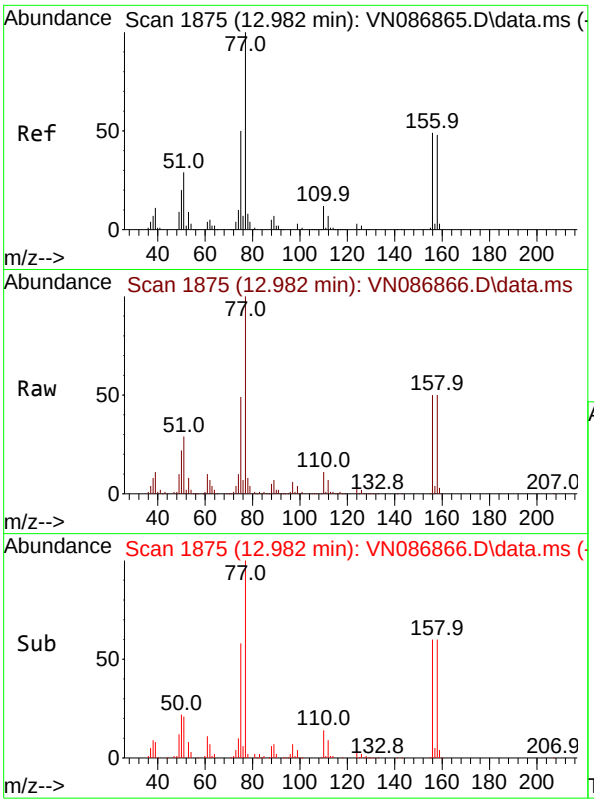


#76
1,2,3-Trichloropropane
Concen: 100.738 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 353334

Ion	Ratio	Lower	Upper
75	100		
77	162.2	79.3	237.9

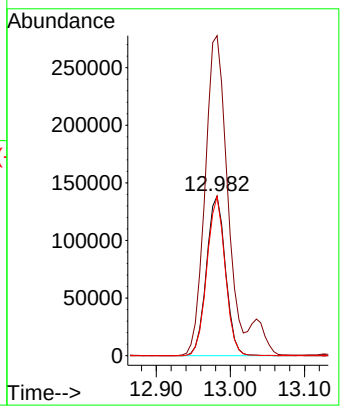




#77
Bromobenzene
Concen: 100.266 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:156 Resp: 24641

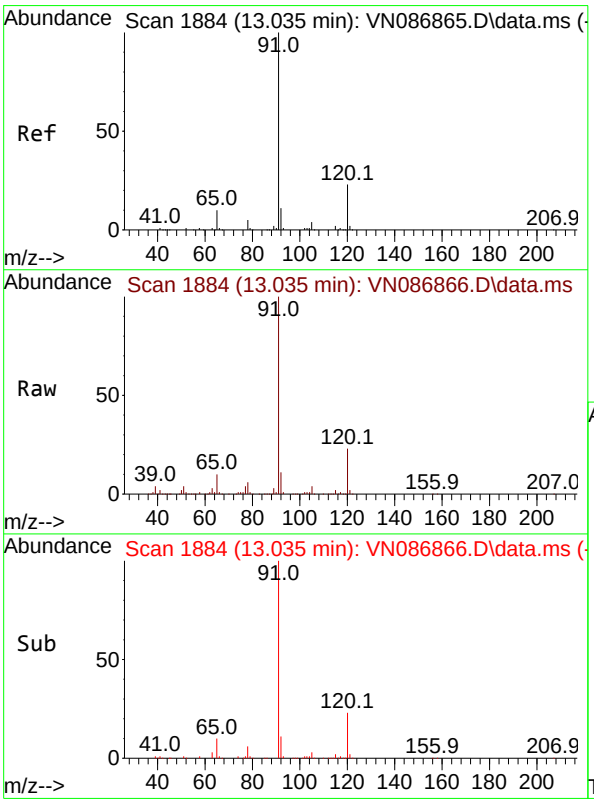
Ion	Ratio	Lower	Upper
156	100		
77	232.6	117.7	353.1
158	96.4	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

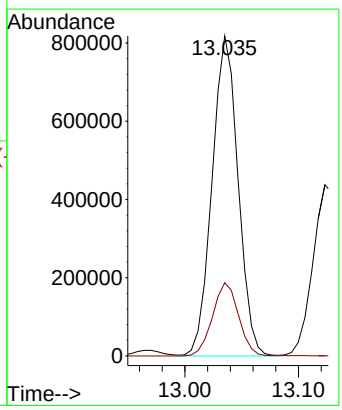
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

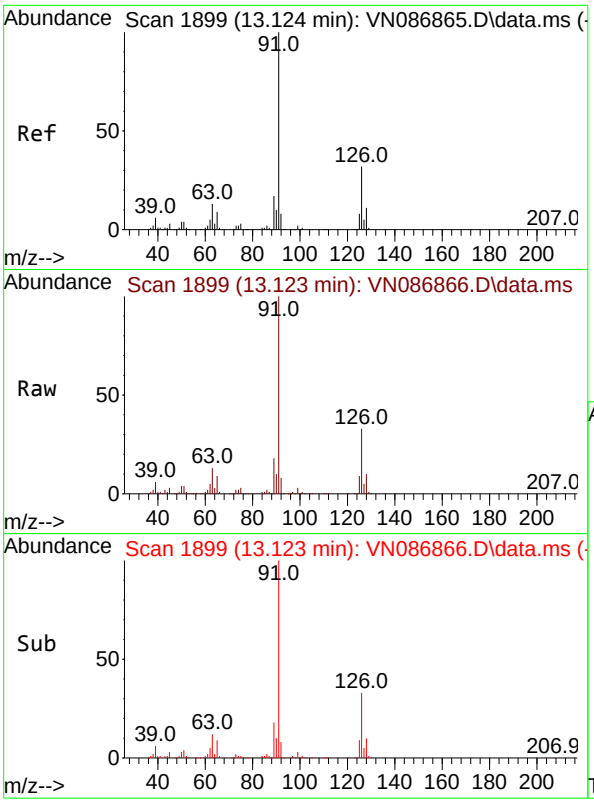


#78
n-propylbenzene
Concen: 99.948 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 1301631

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

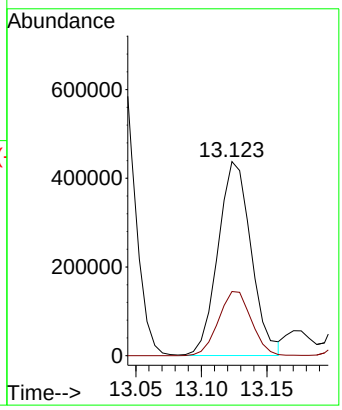




#79
2-Chlorotoluene
Concen: 98.630 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 77030

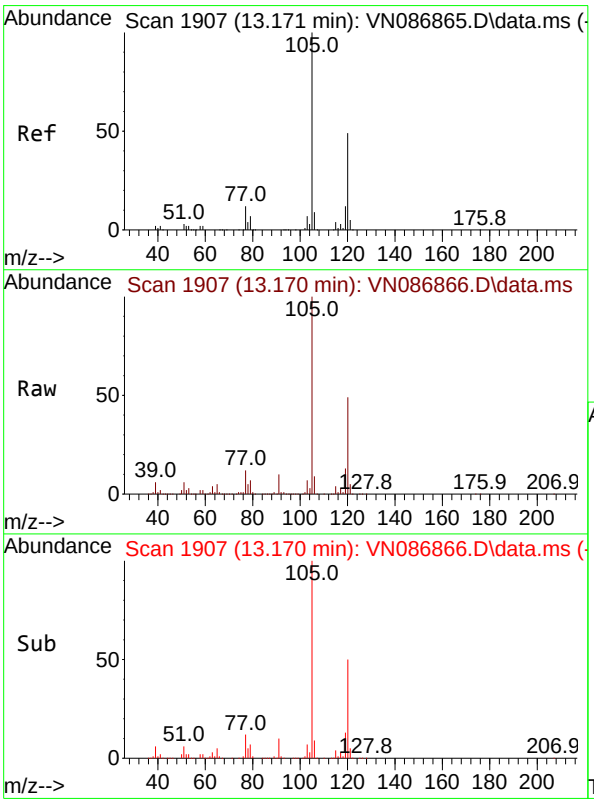
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

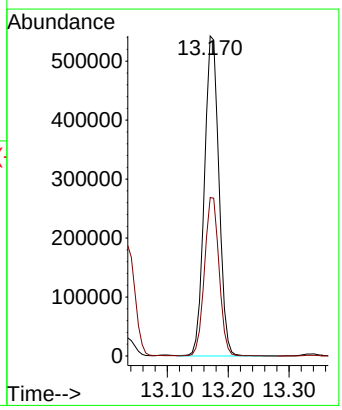
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

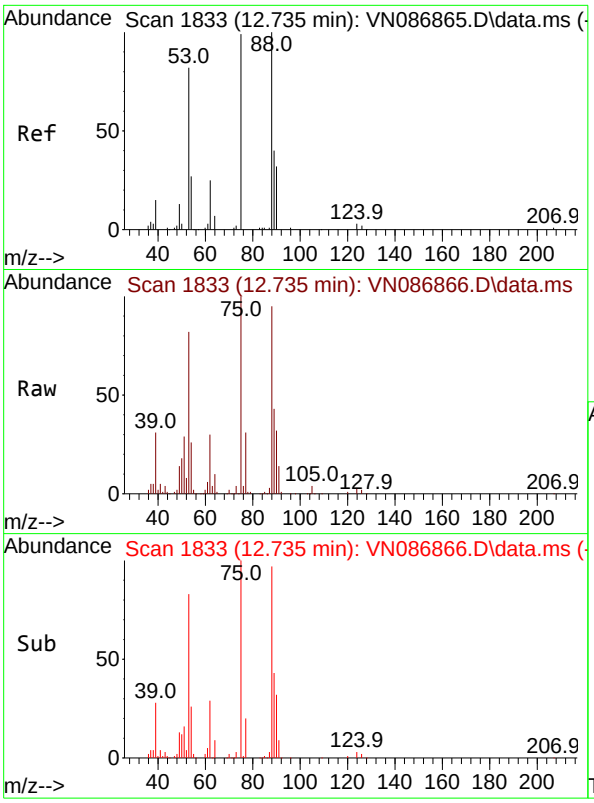


#80
1,3,5-Trimethylbenzene
Concen: 101.873 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 901317

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6

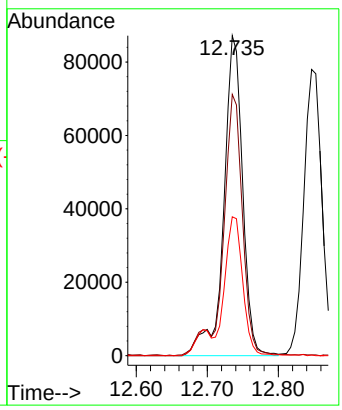




#81
trans-1,4-Dichloro-2-butene
Concen: 105.820 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 16073

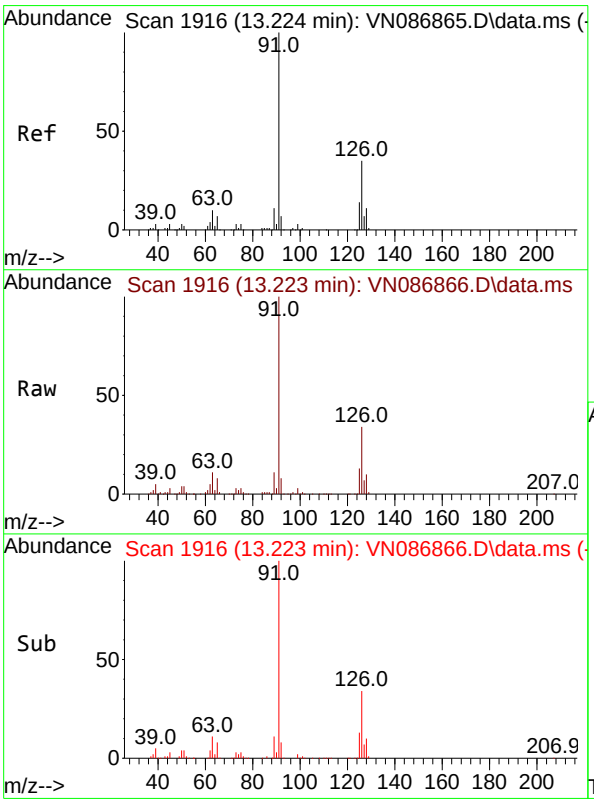
Ion	Ratio	Lower	Upper
75	100		
53	76.0	66.6	99.8
89	41.1	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

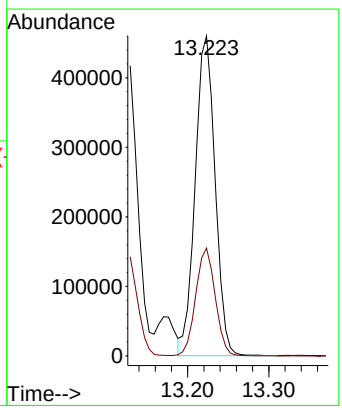
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

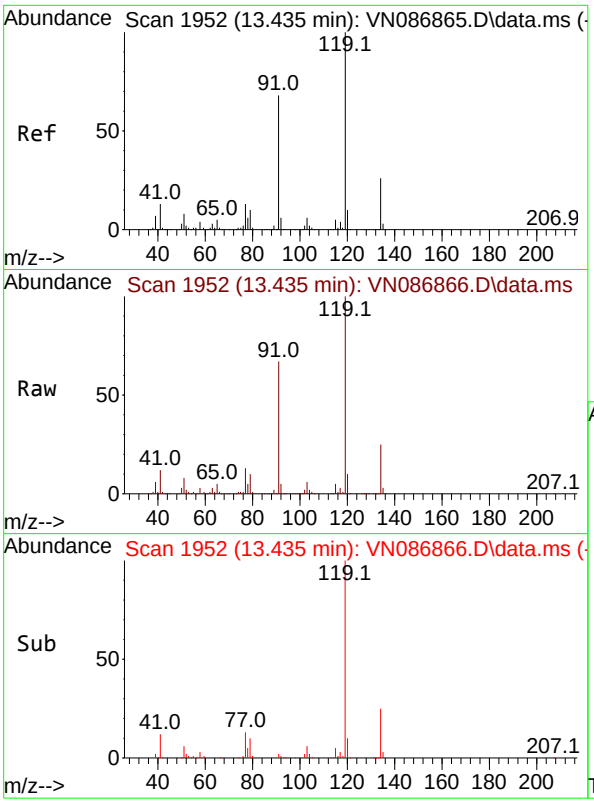


#82
4-Chlorotoluene
Concen: 99.166 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 783657

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1

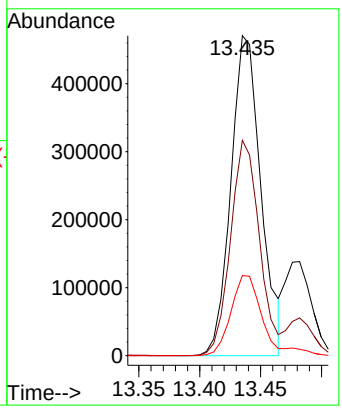




#83
tert-Butylbenzene
Concen: 99.710 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 80752

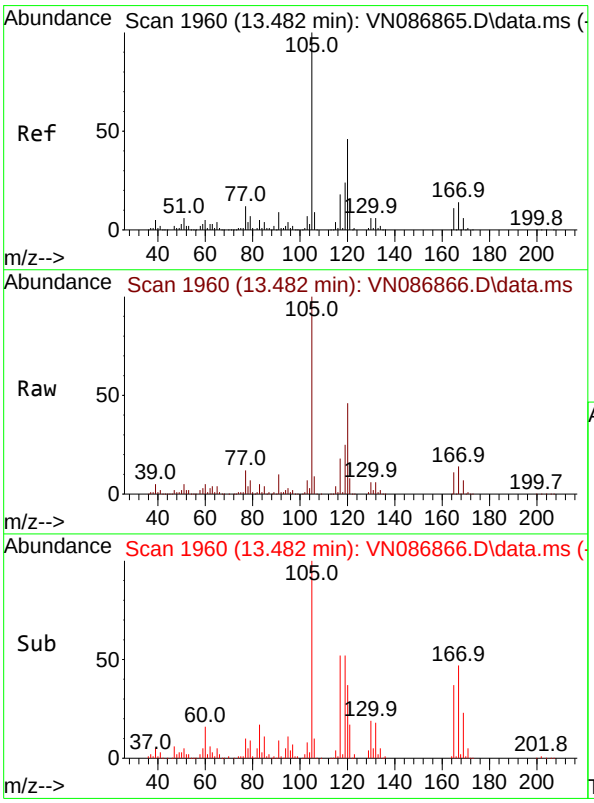
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.5
134	26.6	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

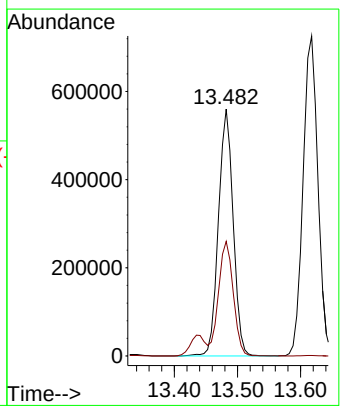
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

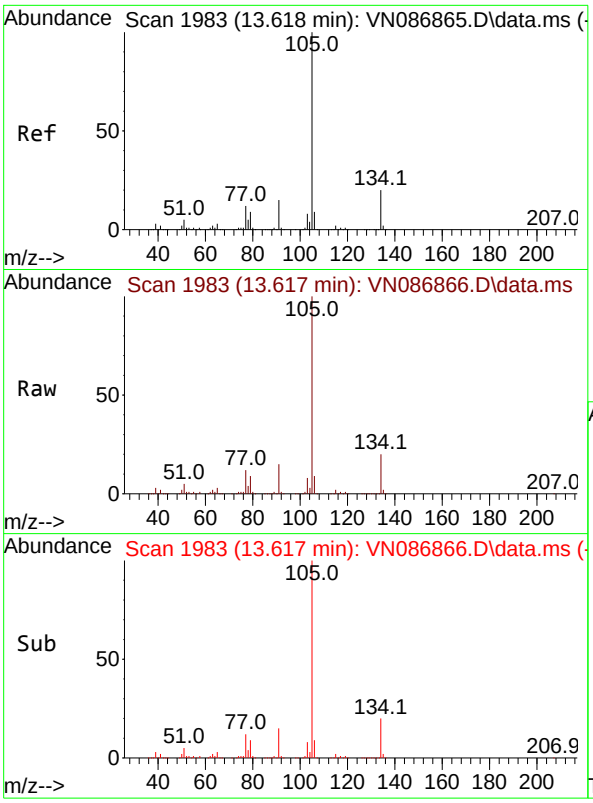


#84
1,2,4-Trimethylbenzene
Concen: 101.983 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 904794

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6

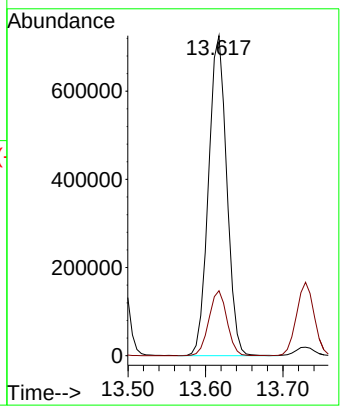




#85
sec-Butylbenzene
Concen: 100.513 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 118215

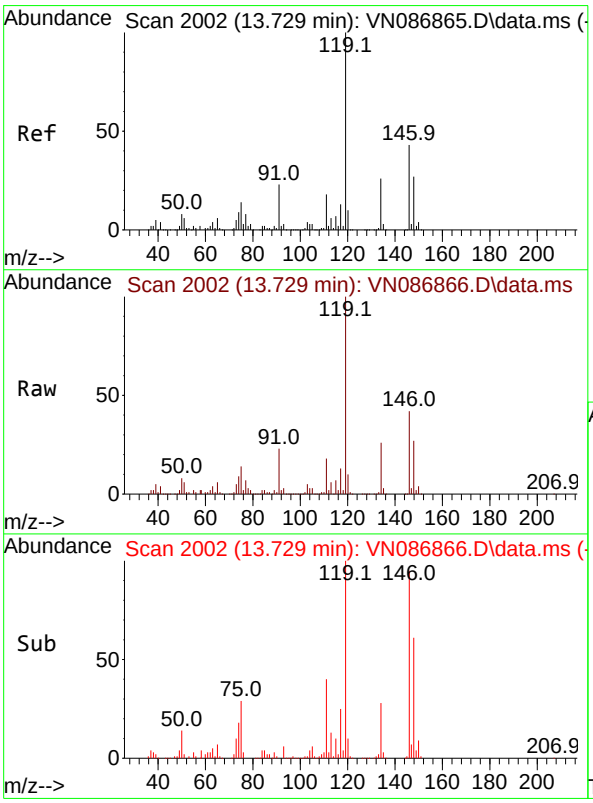
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

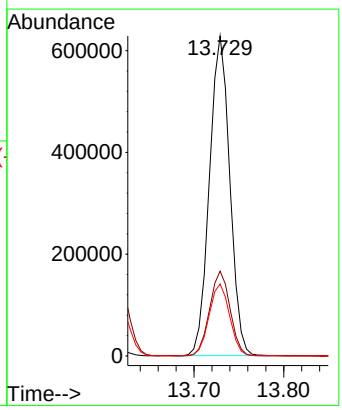
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

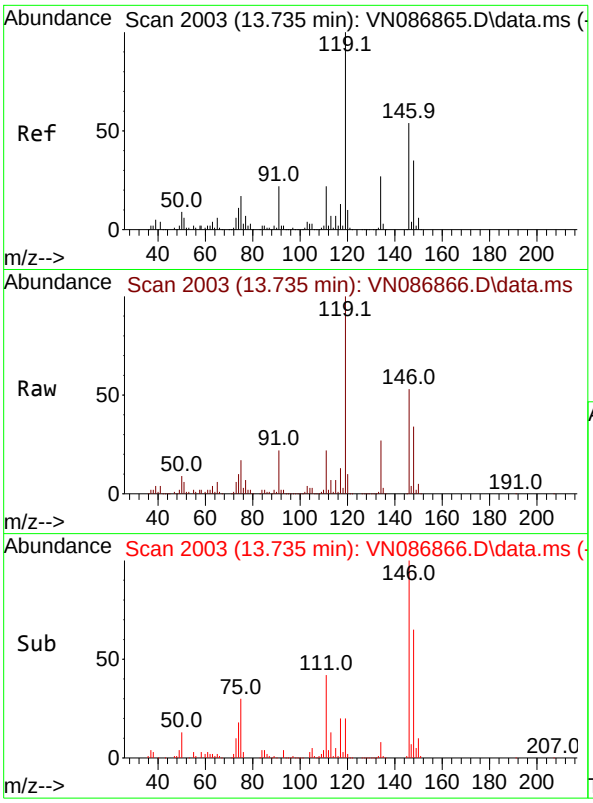


#86
p-Isopropyltoluene
Concen: 101.857 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 990273

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.6	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 98.063 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

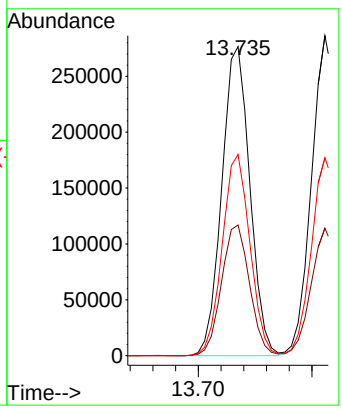
Tgt Ion:146 Resp: 47416

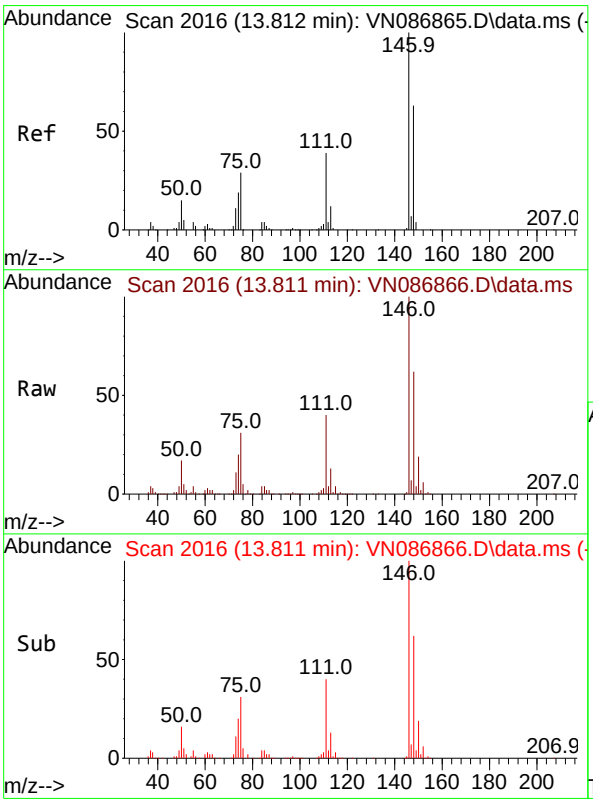
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.4	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

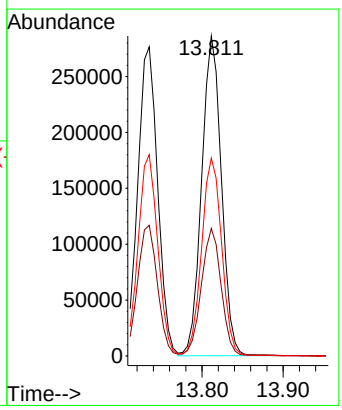


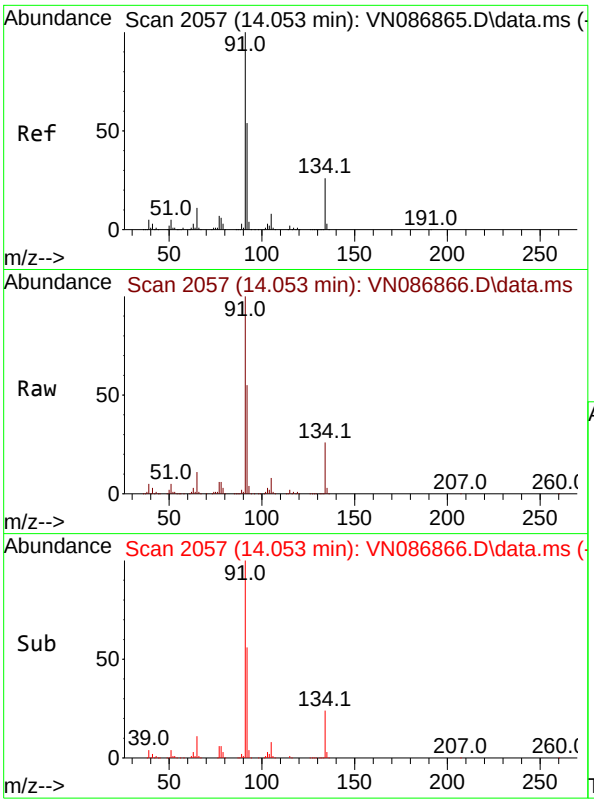


#88
1,4-Dichlorobenzene
Concen: 97.978 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 483003

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.0	31.8	95.4

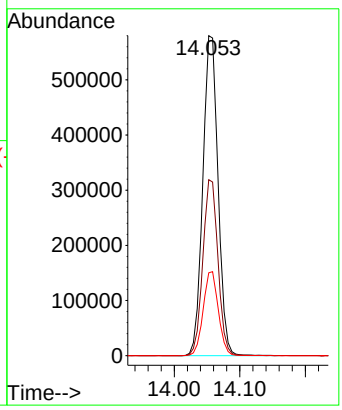




#89
n-Butylbenzene
Concen: 99.598 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 93791

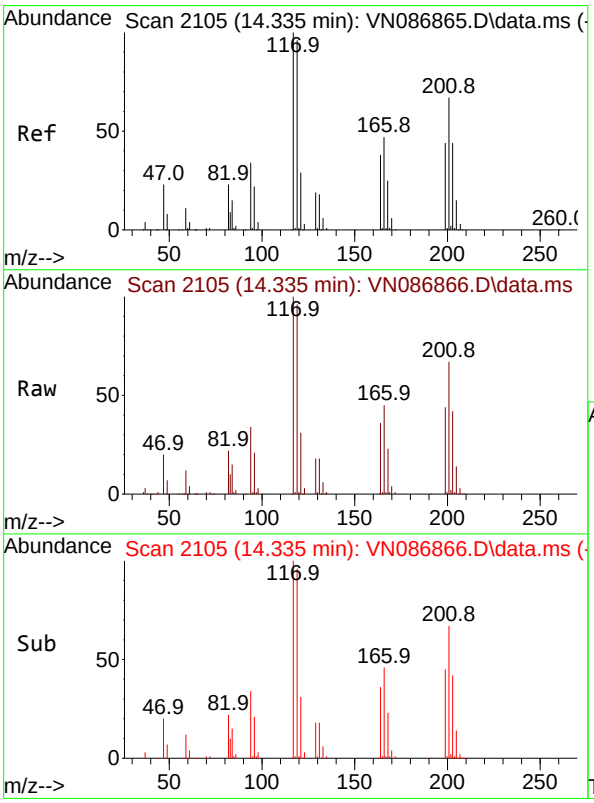
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.2	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

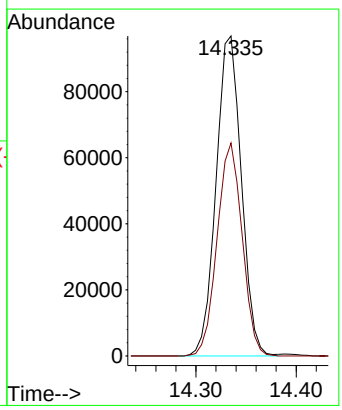
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

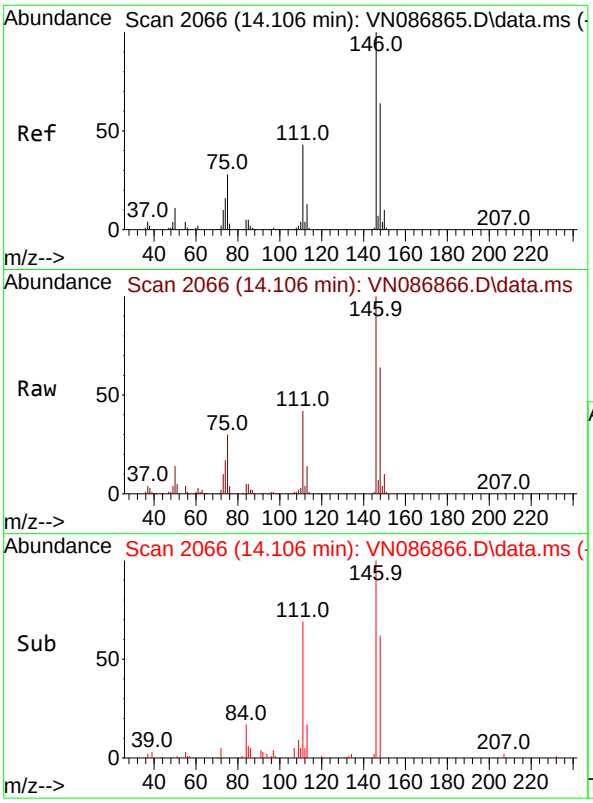


#90
Hexachloroethane
Concen: 103.019 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 169772

Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.2	99.6

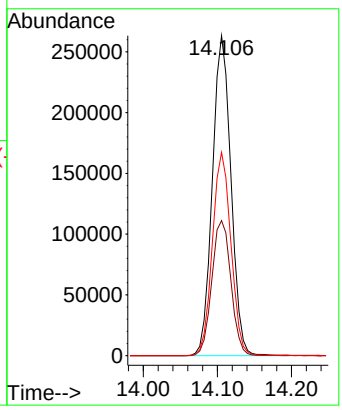




#91
1,2-Dichlorobenzene
Concen: 98.602 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 45804

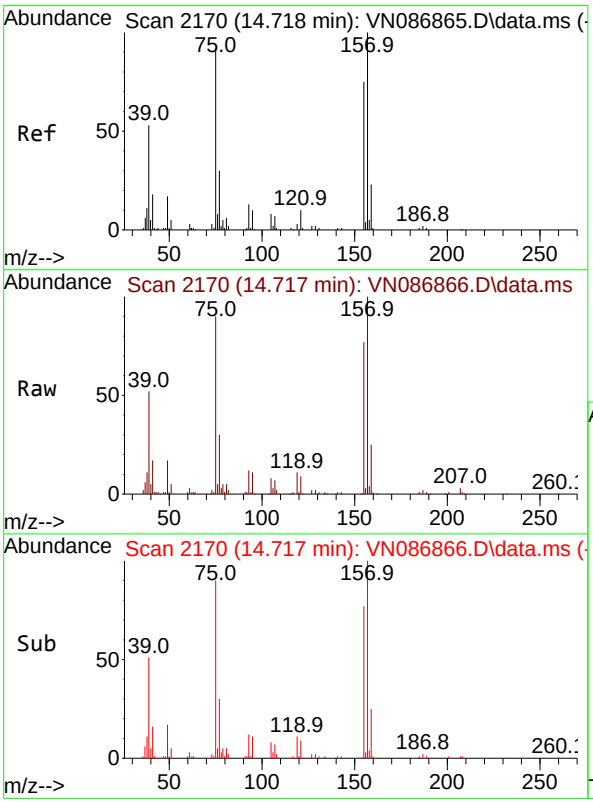
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

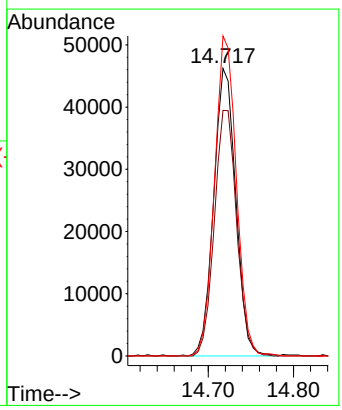
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

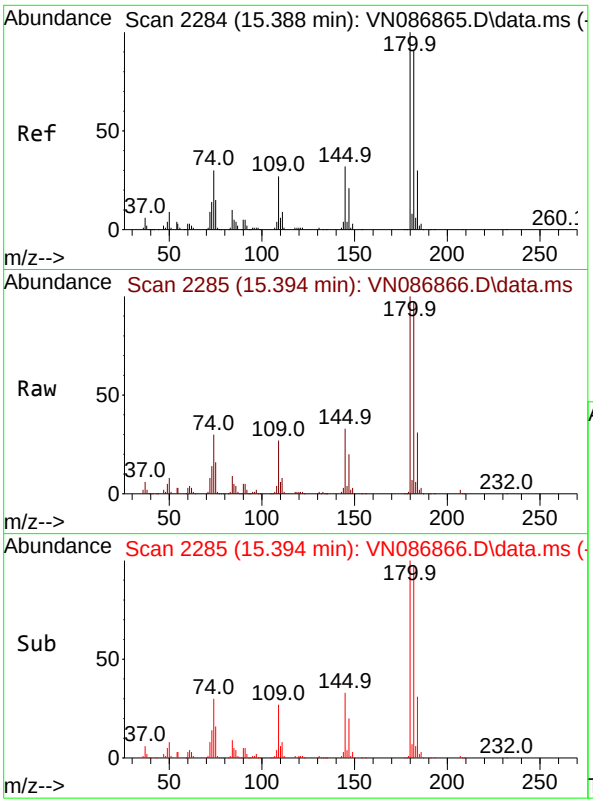


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.877 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 83243

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.4
157	109.8	52.7	158.1

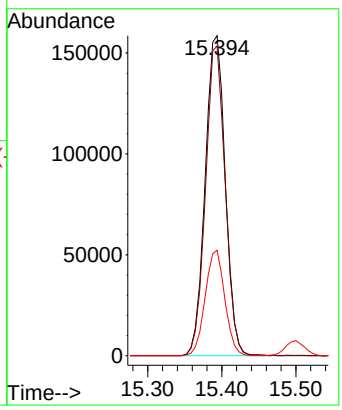




#93
1,2,4-Trichlorobenzene
Concen: 100.751 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:180 Resp: 29887

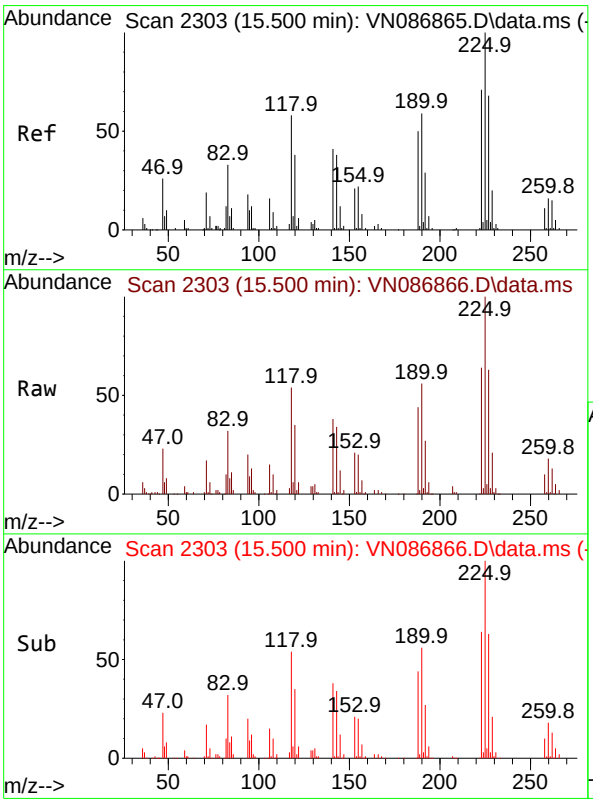
Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	32.2	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

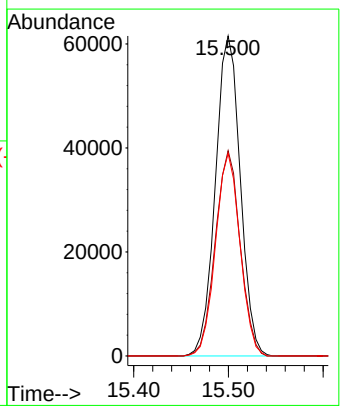
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

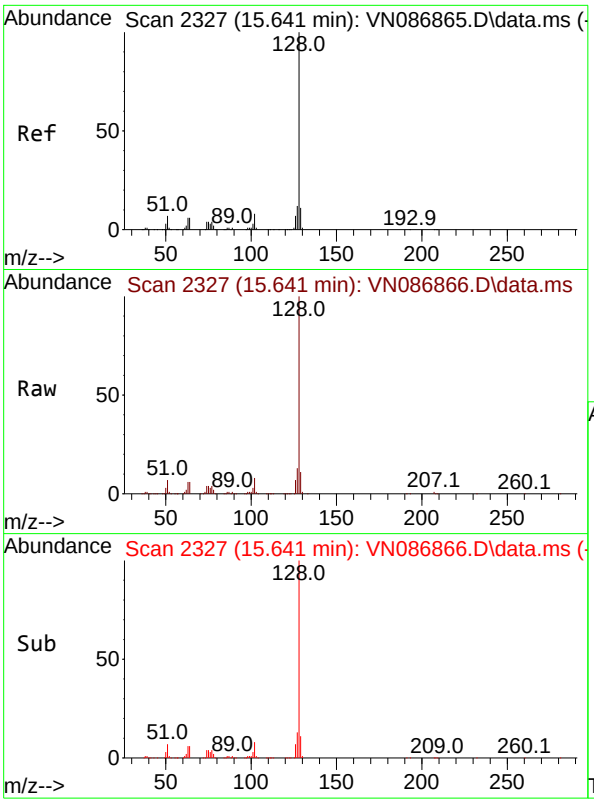


#94
Hexachlorobutadiene
Concen: 101.789 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:225 Resp: 112496

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.5	100.4
227	62.1	31.1	93.5

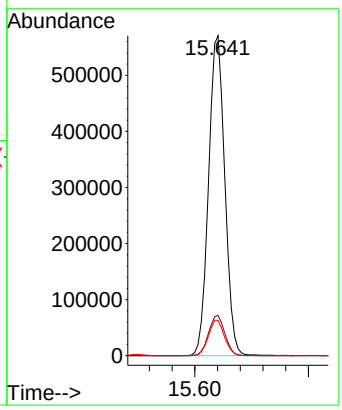




#95
Naphthalene
Concen: 102.290 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:128 Resp: 112943

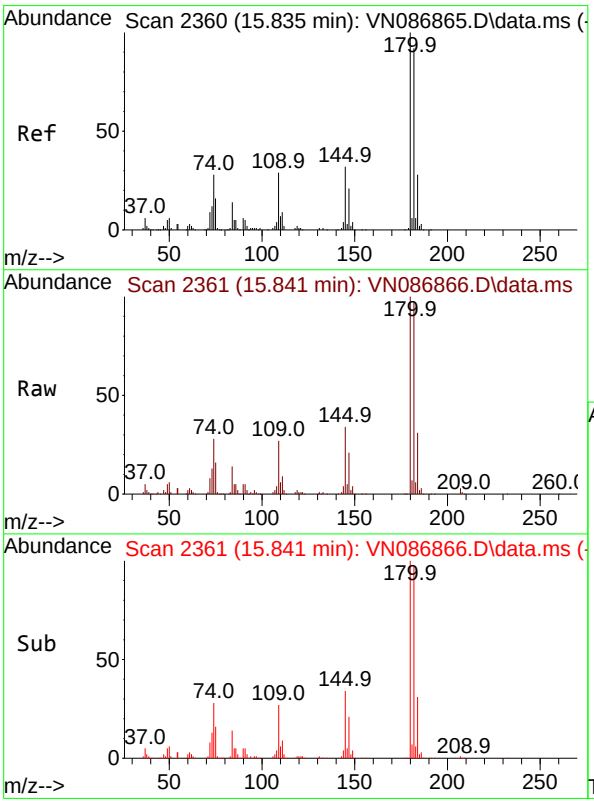
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

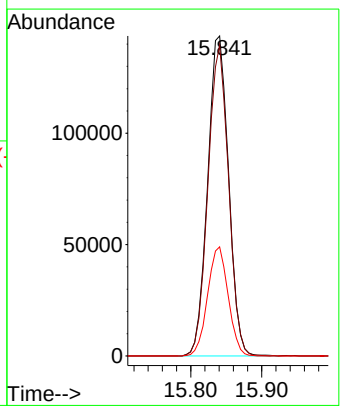
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 99.796 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:180 Resp: 294127

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.5	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174	ug/l		98
42) 1,2-Dichloroethane	8.676	62	381516	141.455	ug/l		100
43) Isopropyl Acetate	8.694	43	780791	140.531	ug/l		99
44) Trichloroethene	9.359	130	302548	143.490	ug/l		96
45) 1,2-Dichloropropane	9.623	63	309047	142.856	ug/l		100
46) Dibromomethane	9.712	93	208461	145.074	ug/l		100
47) Bromodichloromethane	9.894	83	430011	145.449	ug/l		100
48) Methyl methacrylate	9.688	41	366967	143.502	ug/l		99
49) 1,4-Dioxane	9.712	88	138035	2967.116	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995	ug/l		98
52) Toluene	10.635	92	793270	145.976	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163	ug/l		97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588	ug/l		99
56) Ethyl methacrylate	10.876	69	533912	160.311	ug/l		98
57) 1,3-Dichloropropane	11.165	76	516391	142.363	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147	ug/l		99
59) 2-Hexanone	11.200	43	1735777	805.662	ug/l		99
60) Dibromochloromethane	11.365	129	322064	147.832	ug/l		98
61) 1,2-Dibromoethane	11.470	107	314606	146.790	ug/l		99
64) Tetrachloroethene	11.106	164	245122	139.048	ug/l		97
65) Chlorobenzene	11.894	112	860345	140.041	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171	ug/l		99
67) Ethyl Benzene	11.964	91	1517883	143.438	ug/l		98
68) m/p-Xylenes	12.070	106	1175378	290.155	ug/l		99
69) o-Xylene	12.400	106	566301	145.966	ug/l		100
70) Styrene	12.411	104	972318	146.459	ug/l		100
71) Bromoform	12.582	173	223200	152.538	ug/l	#	99
73) Isopropylbenzene	12.694	105	1453651	146.042	ug/l		100
74) N-amyl acetate	12.500	43	543747	164.596	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665	ug/l		
77) Bromobenzene	12.982	156	335734	147.077	ug/l		98
78) n-propylbenzene	13.035	91	1769694	146.301	ug/l		99
79) 2-Chlorotoluene	13.123	91	1046916	144.317	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277	ug/l		95
82) 4-Chlorotoluene	13.223	91	1063581	144.900	ug/l		100
83) tert-Butylbenzene	13.435	119	1093406	145.352	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626	ug/l		100
85) sec-Butylbenzene	13.617	105	1582762	144.885	ug/l		99
86) p-Isopropyltoluene	13.729	119	1322780	146.482	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124	ug/l		99
89) n-Butylbenzene	14.053	91	1251819	143.117	ug/l		100
90) Hexachloroethane	14.335	117	230195	150.387	ug/l		98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940	ug/l		99
94) Hexachlorobutadiene	15.500	225	151172	147.264	ug/l		98
95) Naphthalene	15.641	128	1545981	150.743	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

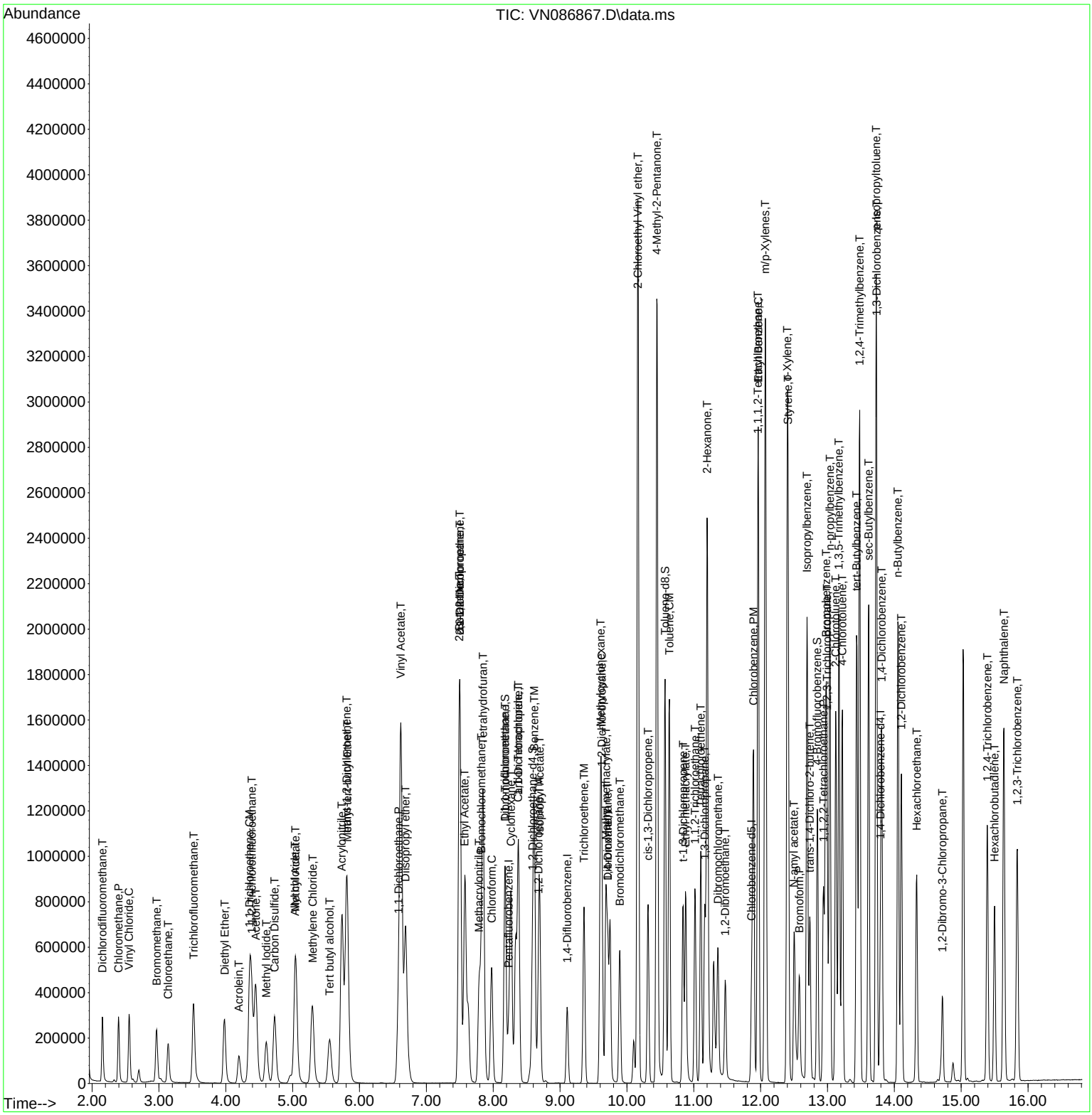
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

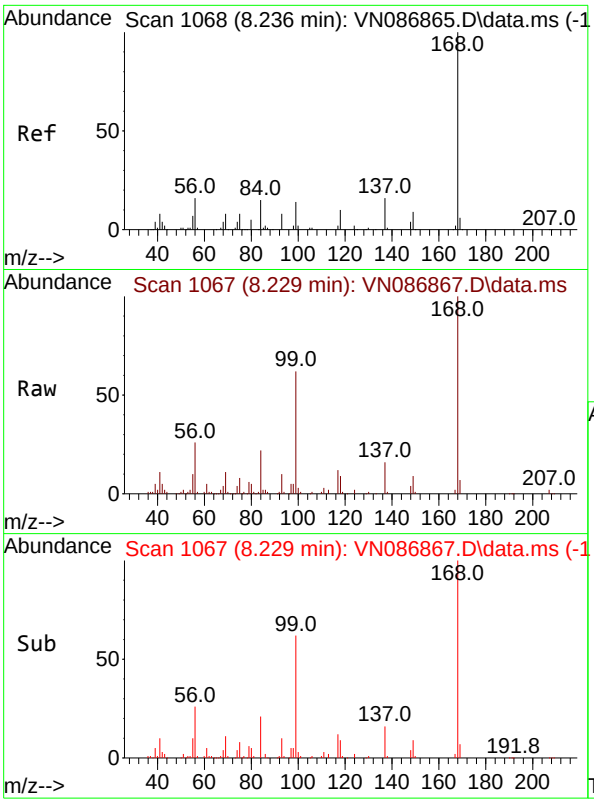
Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

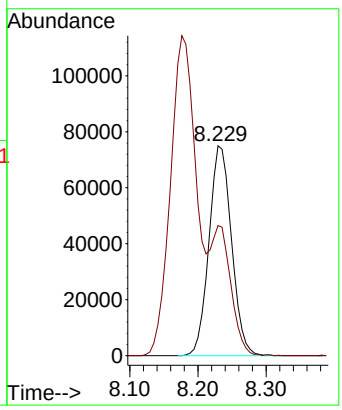




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:168 Resp: 17283

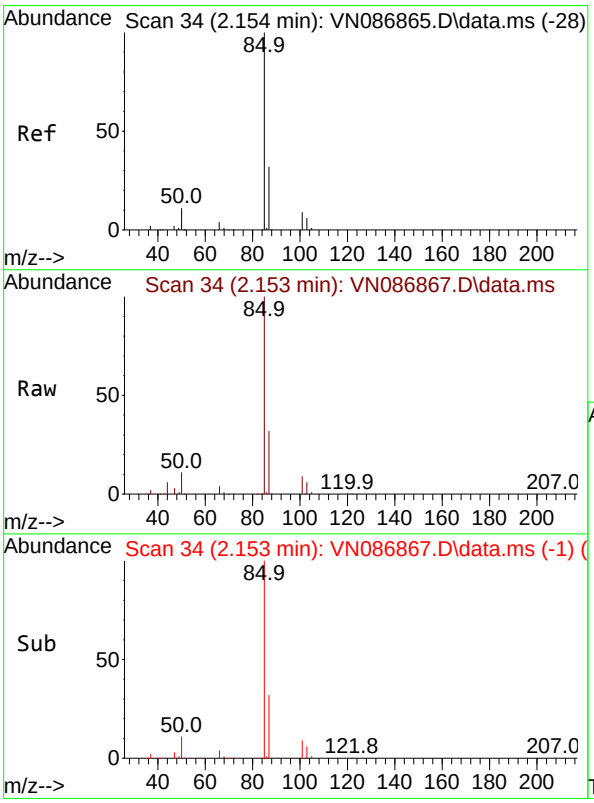
Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

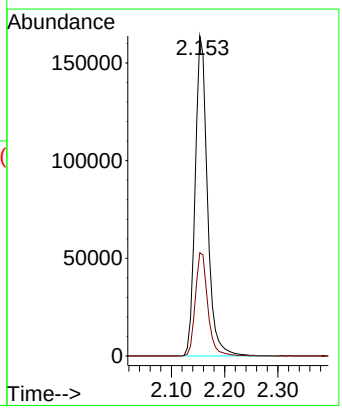
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

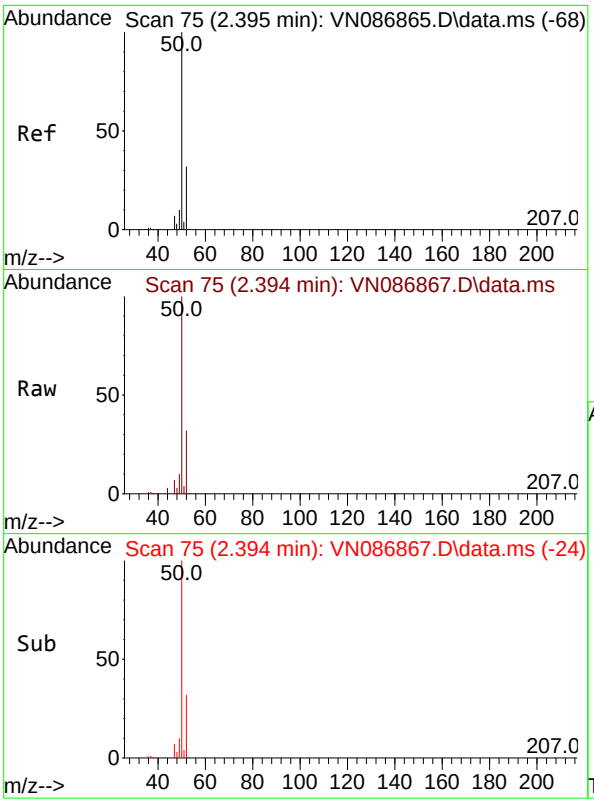


#2
Dichlorodifluoromethane
Concen: 152.122 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 85 Resp: 262143

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6

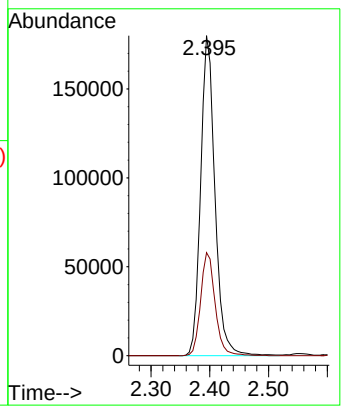




#3
Chloromethane
Concen: 136.865 ug/l
RT: 2.394 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 50 Resp: 30455

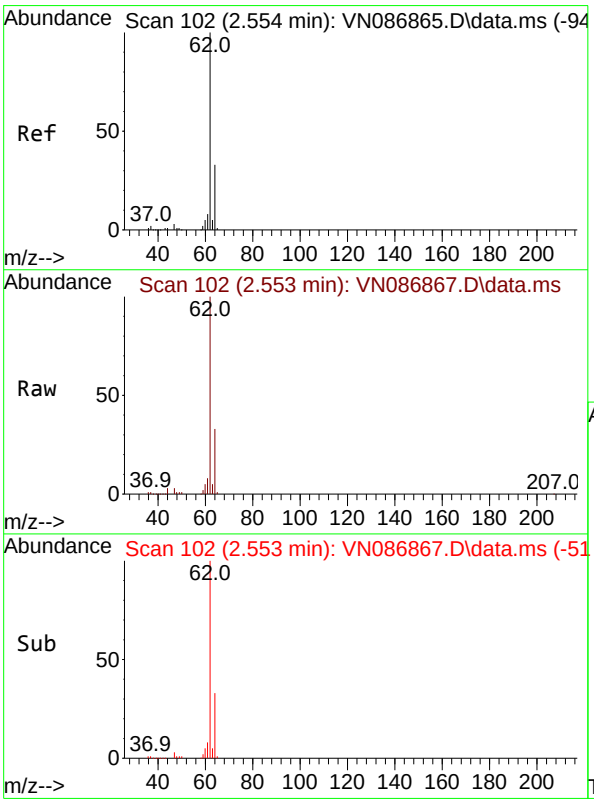
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

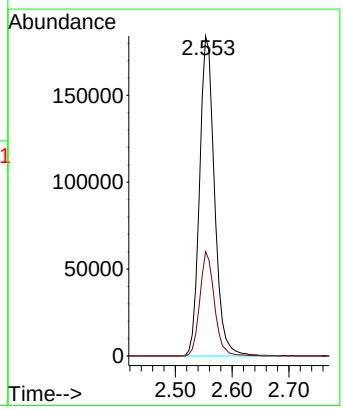
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

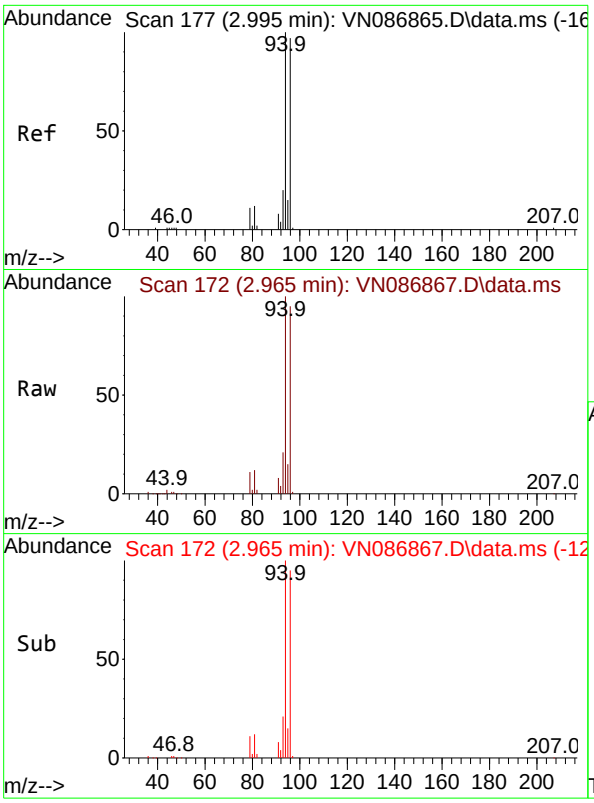


#4
Vinyl Chloride
Concen: 146.303 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 335834

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0

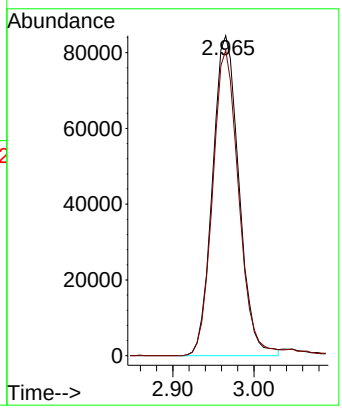




#5
Bromomethane
Concen: 148.522 ug/l
RT: 2.965 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 94 Resp: 19078

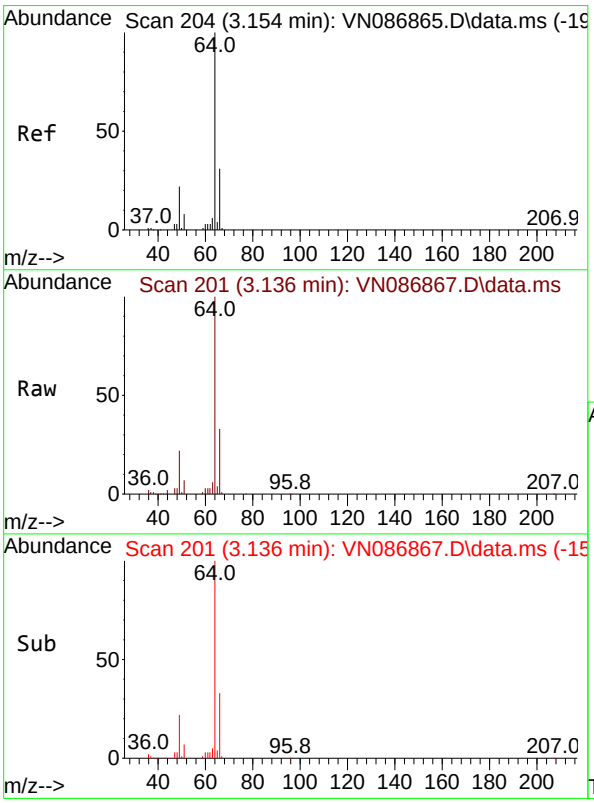
Ion	Ratio	Lower	Upper
94	100		
96	95.5	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

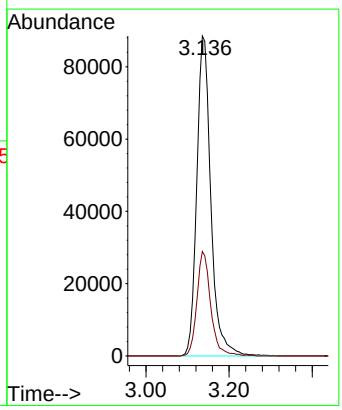
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

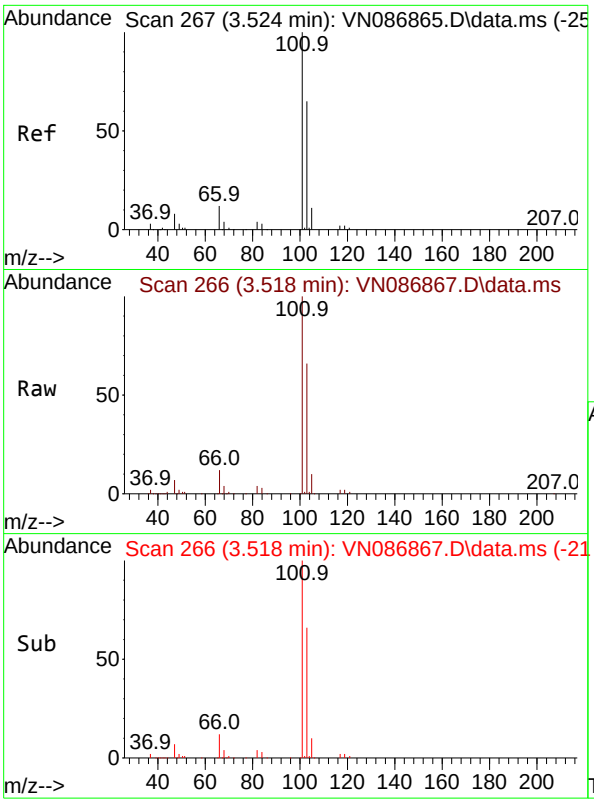


#6
Chloroethane
Concen: 140.664 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.018 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 64 Resp: 208568

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8

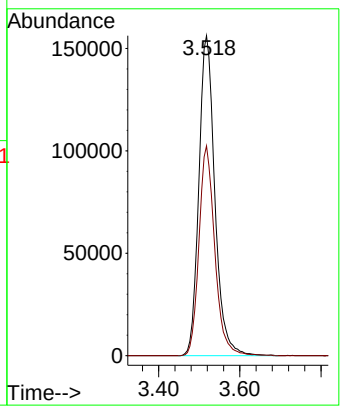




#7
Trichlorofluoromethane
Concen: 142.666 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:101 Resp: 42787

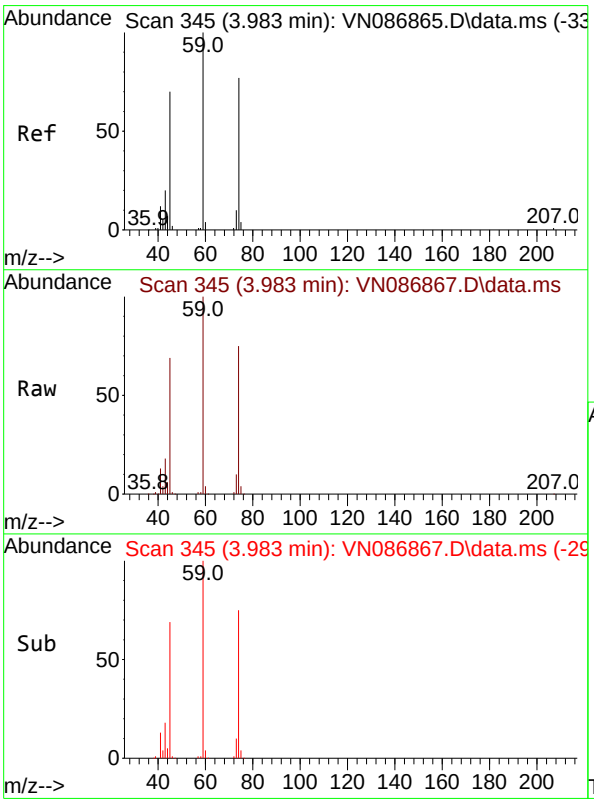
Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

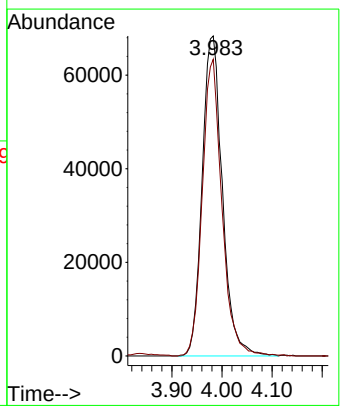
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

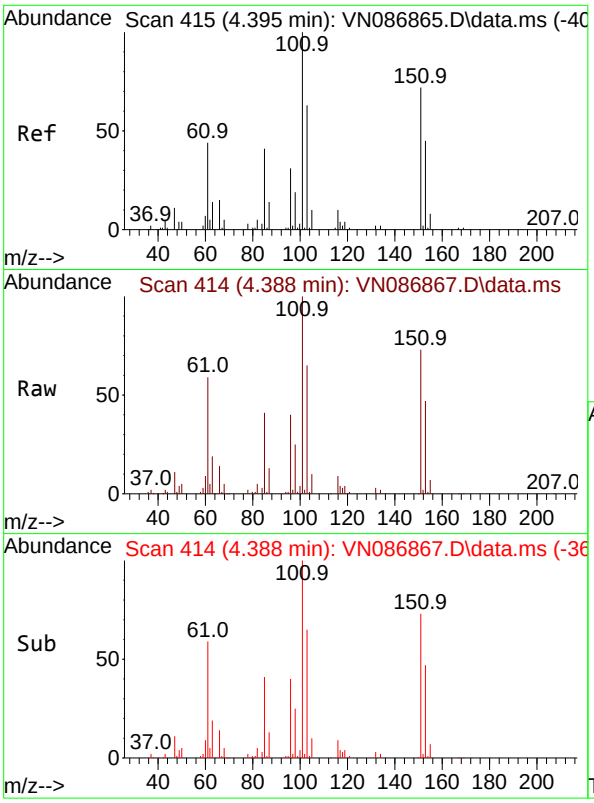


#8
Diethyl Ether
Concen: 146.593 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 74 Resp: 191555

Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 143.192 ug/l
RT: 4.388 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

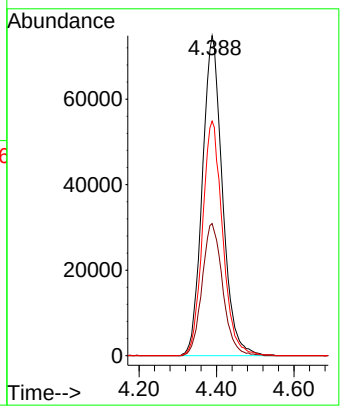
Tgt Ion:101 Resp: 26981

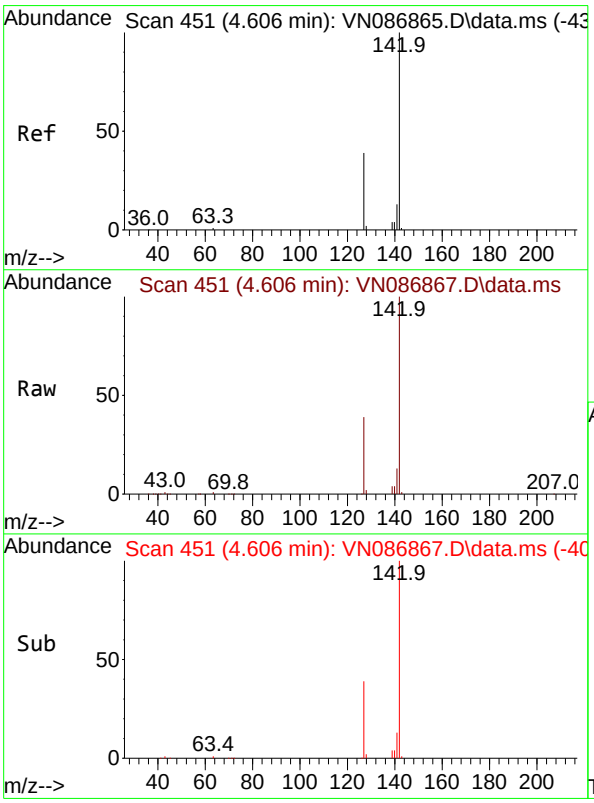
Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.5	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

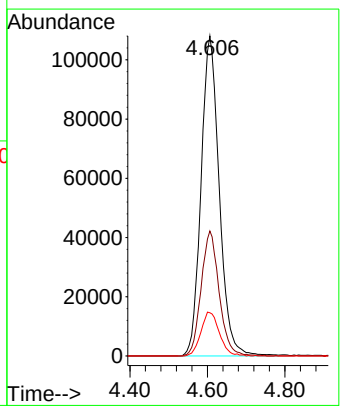


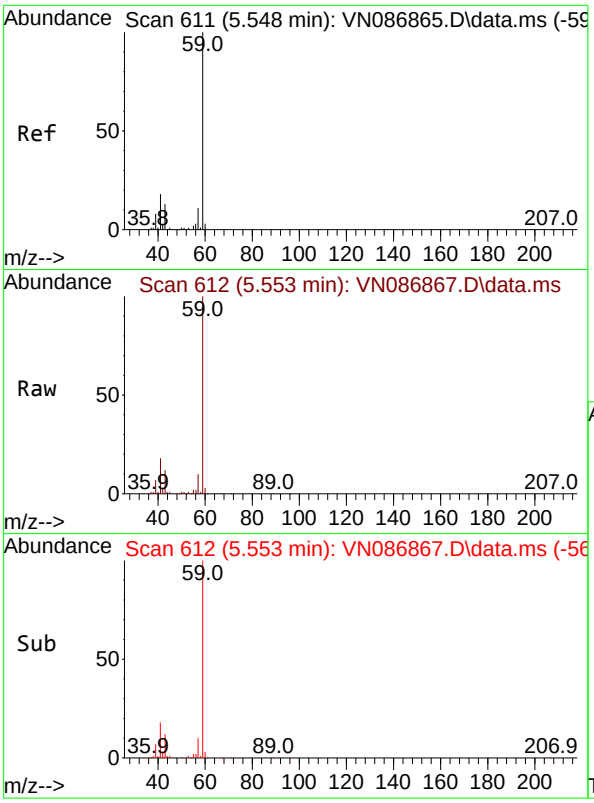


#10
Methyl Iodide
Concen: 144.118 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:142 Resp: 352020

Ion	Ratio	Lower	Upper
142	100		
127	39.1	30.9	46.3
141	13.5	10.4	15.6

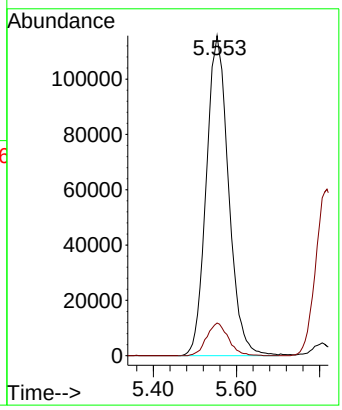




#11
Tert butyl alcohol
Concen: 686.213 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 59 Resp: 43086

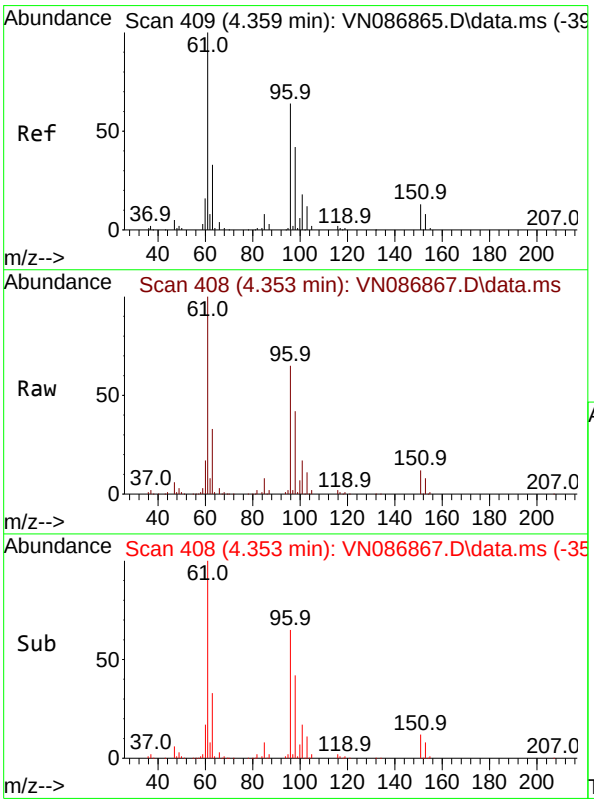
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

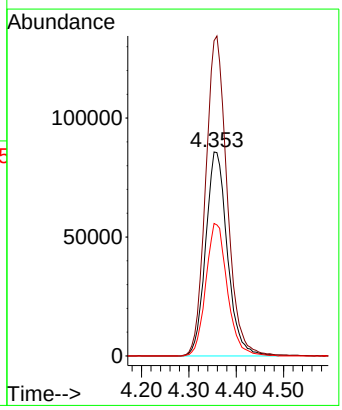
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

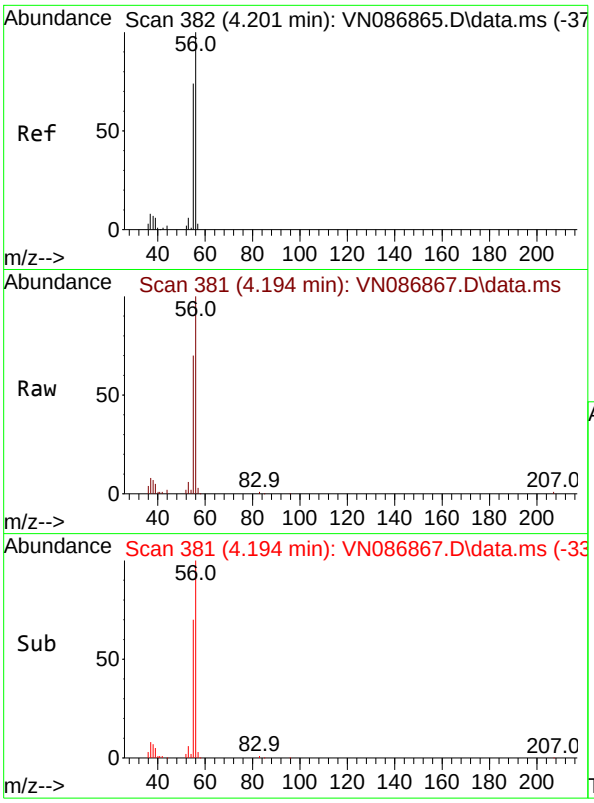


#12
1,1-Dichloroethene
Concen: 142.118 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 273388

Ion	Ratio	Lower	Upper
96	100		
61	154.5	125.8	188.6
98	64.9	52.5	78.7

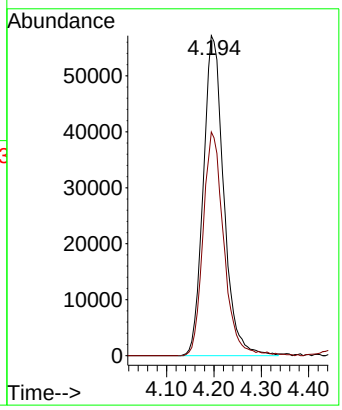




#13
Acrolein
Concen: 863.526 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 56 Resp: 17162

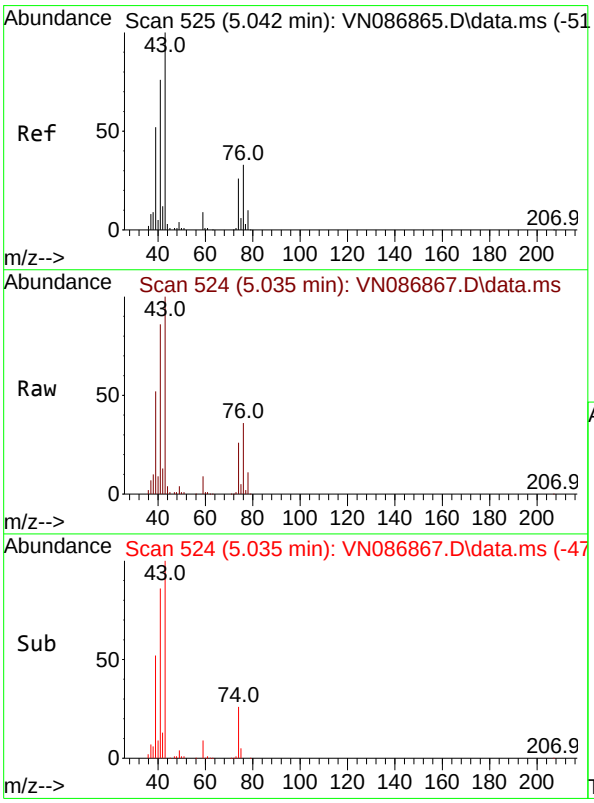
Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

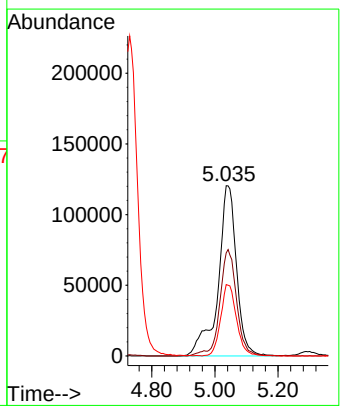
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

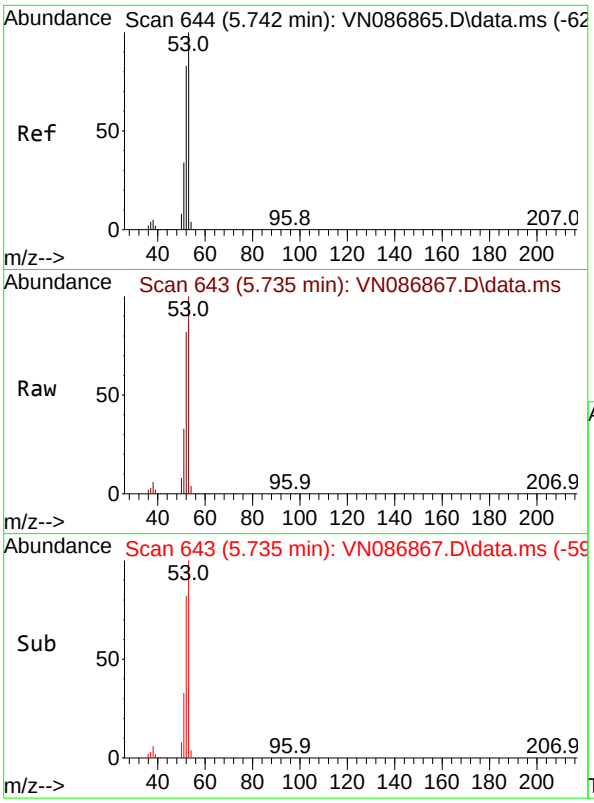


#14
Allyl chloride
Concen: 153.858 ug/l
RT: 5.035 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 490852

Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.3	76.9
76	35.7	31.4	47.0

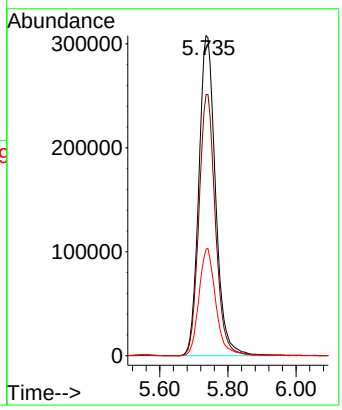




#15
Acrylonitrile
Concen: 714.344 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 53 Resp: 104837

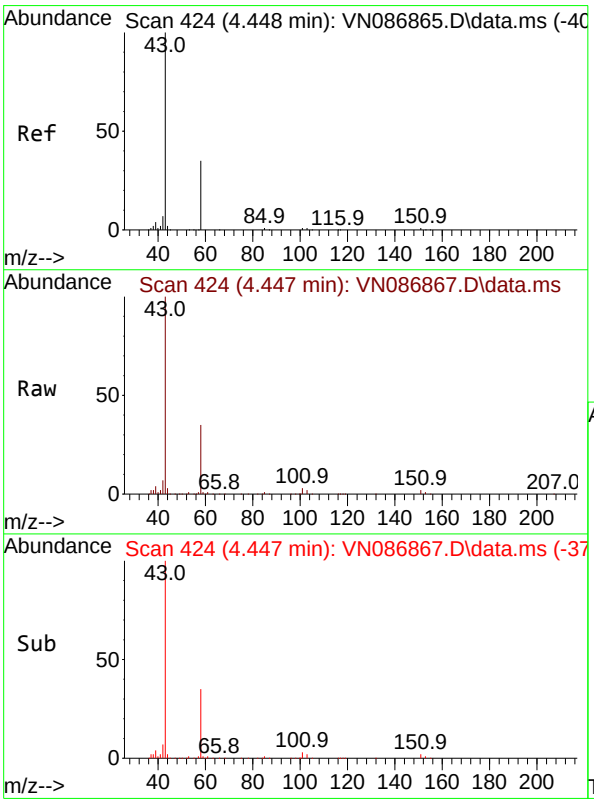
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.0	97.6
51	33.8	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

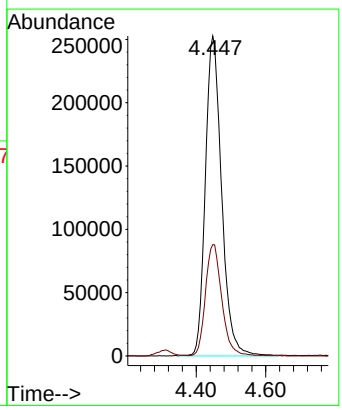
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

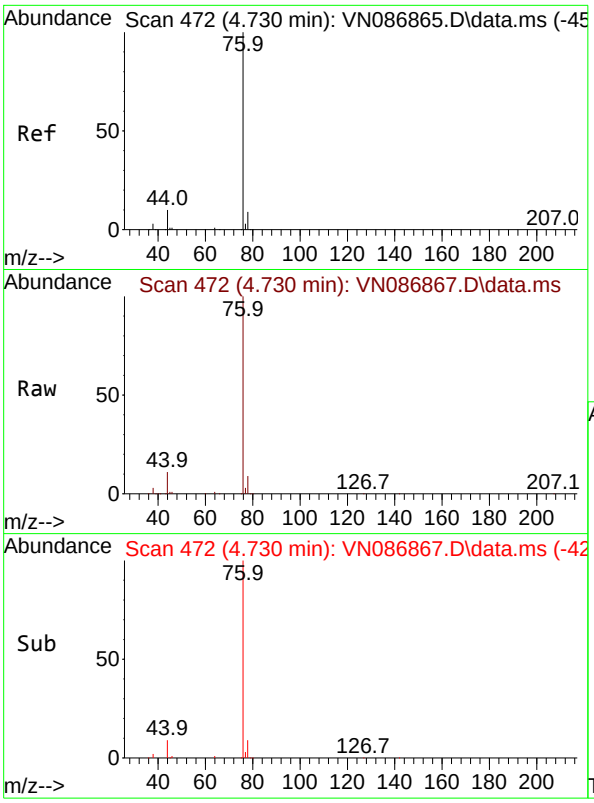


#16
Acetone
Concen: 667.435 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 819041

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.0	42.0

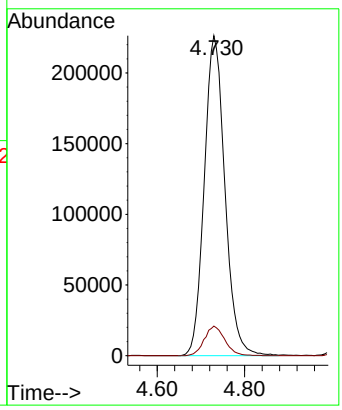




#17
Carbon Disulfide
Concen: 139.594 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 76 Resp: 74278

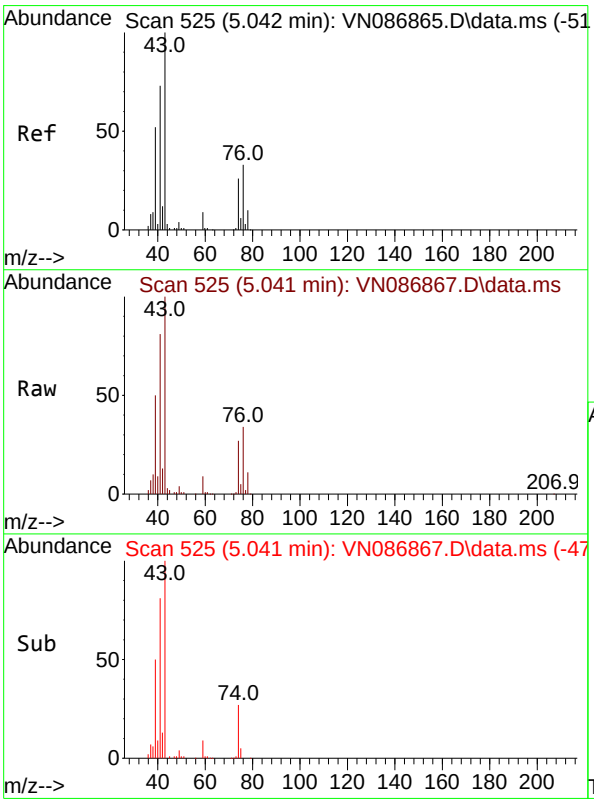
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

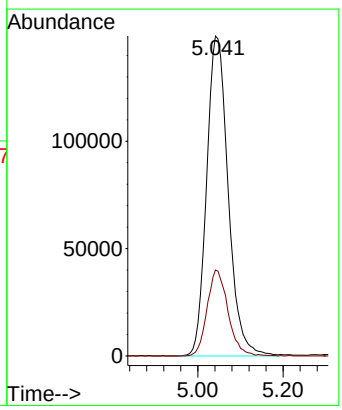
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

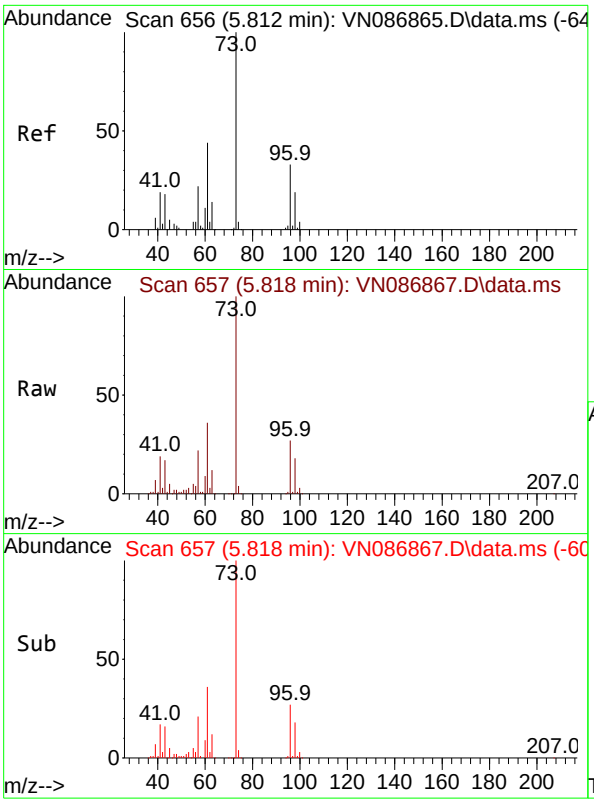


#18
Methyl Acetate
Concen: 146.527 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 523996

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1

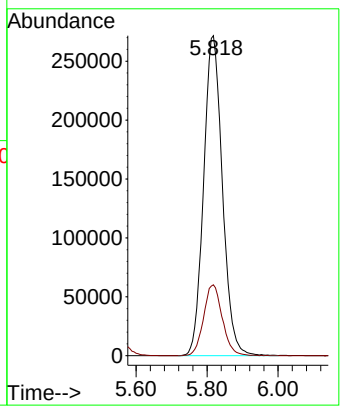




#19
Methyl tert-butyl Ether
Concen: 143.396 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 73 Resp: 99878

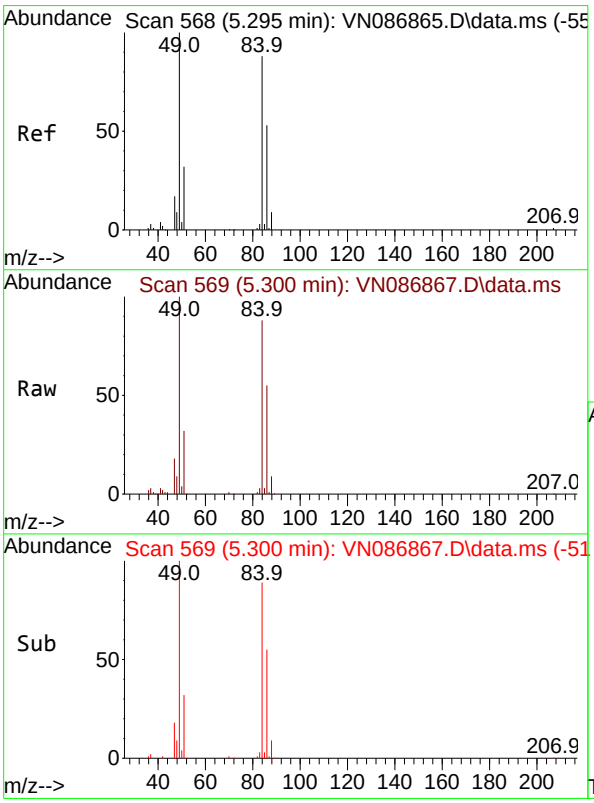
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

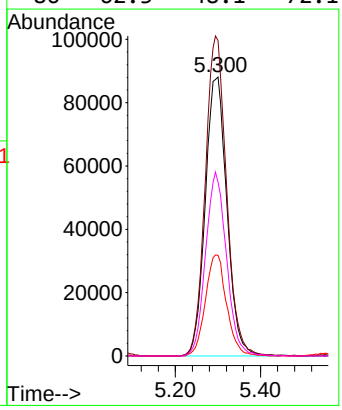
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

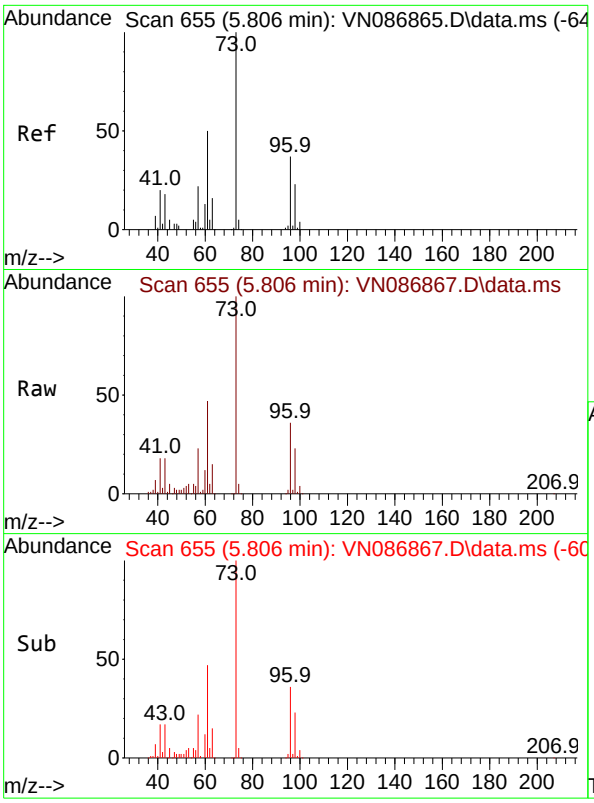


#20
Methylene Chloride
Concen: 135.628 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 84 Resp: 311597

Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.5	135.7
51	36.1	28.5	42.7
86	62.3	48.1	72.1

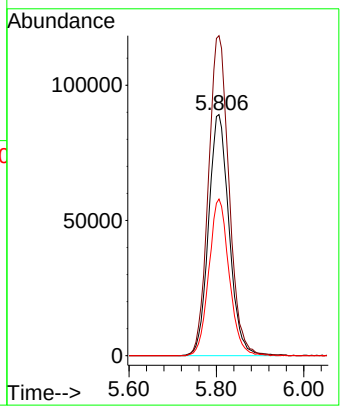




#21
trans-1,2-Dichloroethene
Concen: 135.947 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 29096

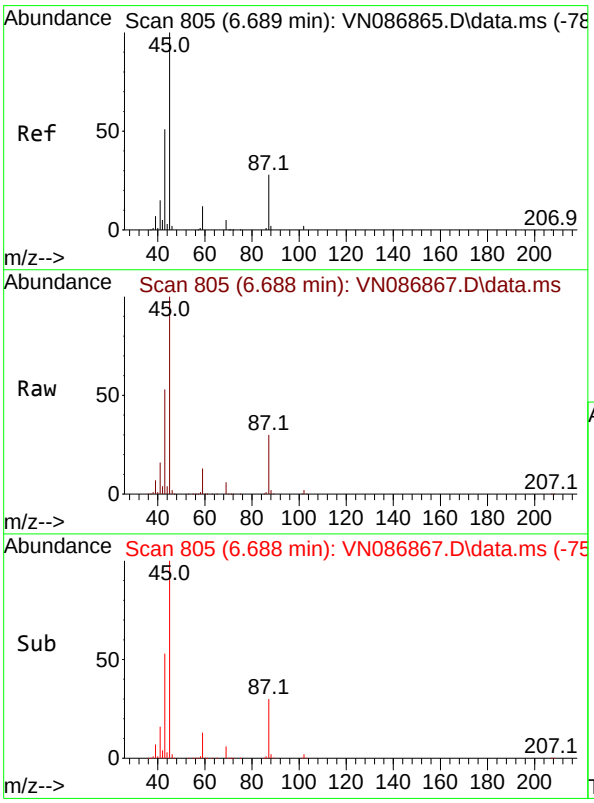
Ion	Ratio	Lower	Upper
96	100		
61	132.7	109.2	163.8
98	65.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

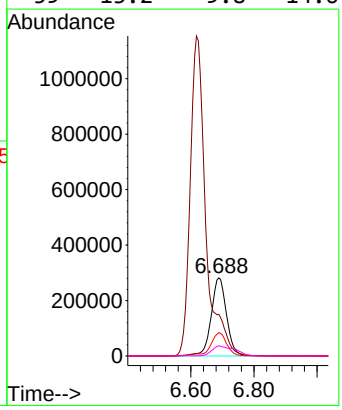
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

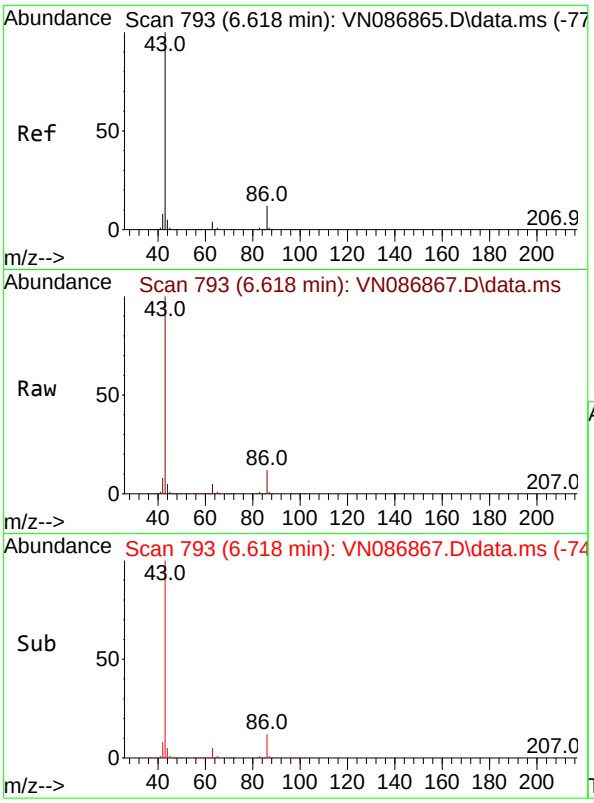


#22
Diisopropyl ether
Concen: 140.915 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 45 Resp: 947638

Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.9	62.9
87	29.9	22.4	33.6
59	13.2	9.8	14.6





#23
Vinyl Acetate
Concen: 692.189 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

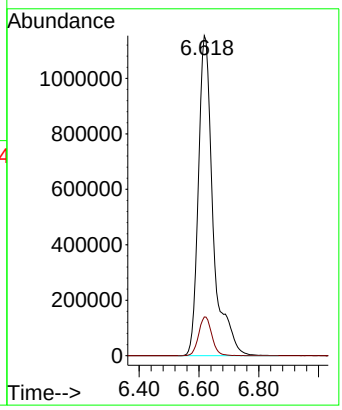
Tgt Ion: 43 Resp: 393287

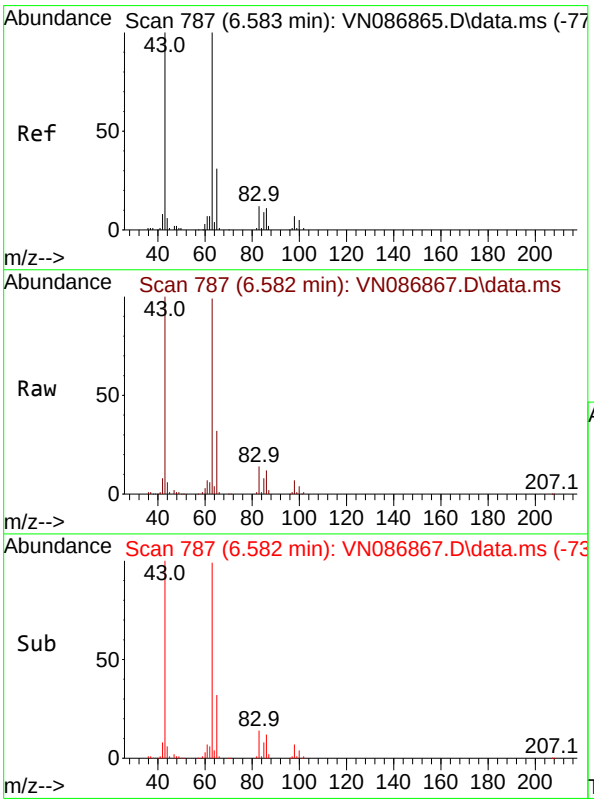
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

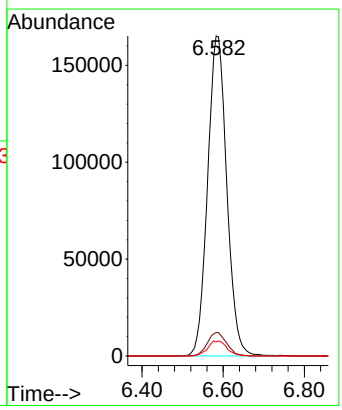


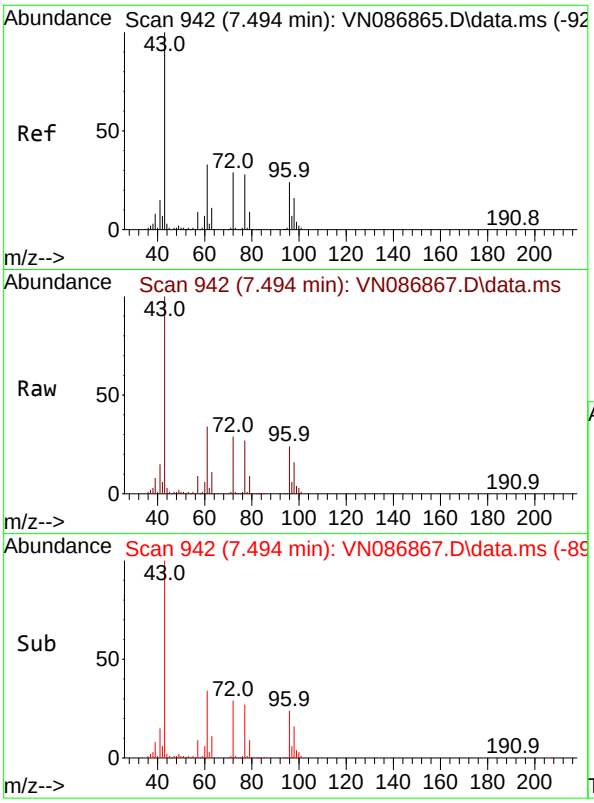


#24
1,1-Dichloroethane
Concen: 139.761 ug/l
RT: 6.582 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 540881

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.4	2.6	7.8

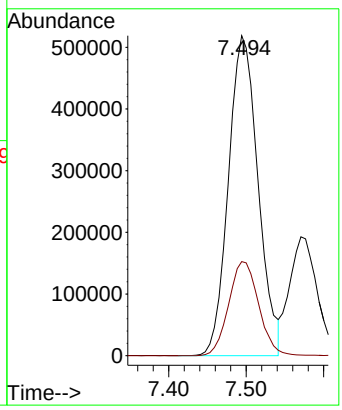




#25
2-Butanone
Concen: 692.809 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 138194

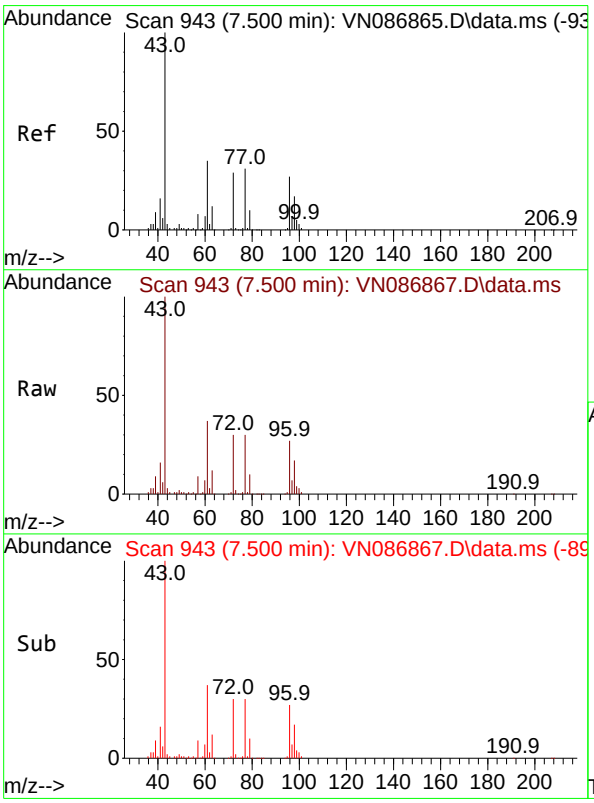
Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.0	34.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

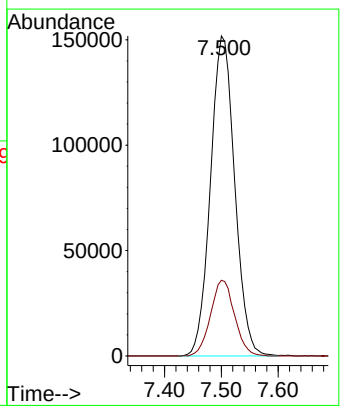
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

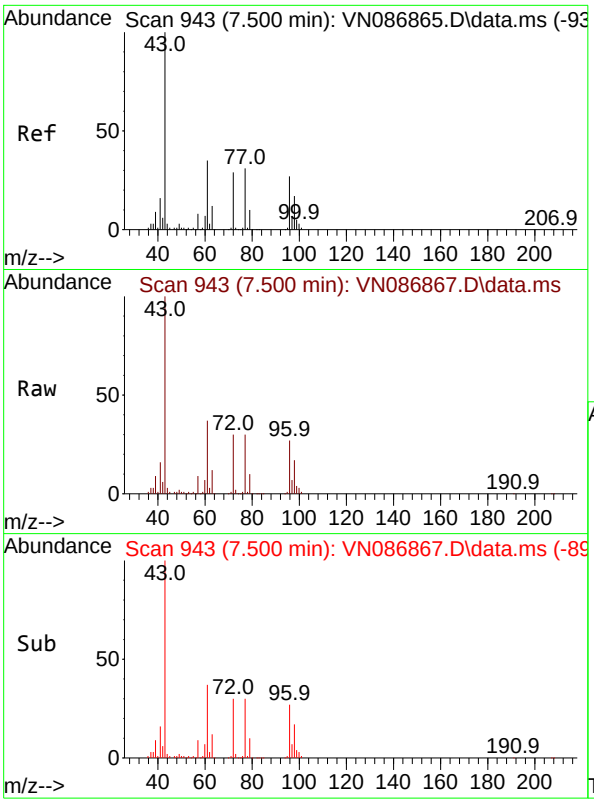


#26
2,2-Dichloropropane
Concen: 149.519 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 77 Resp: 450112

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7

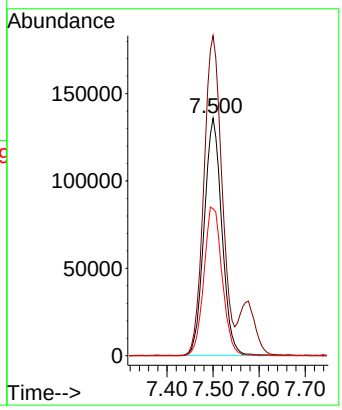




#27
cis-1,2-Dichloroethene
Concen: 141.974 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 363398

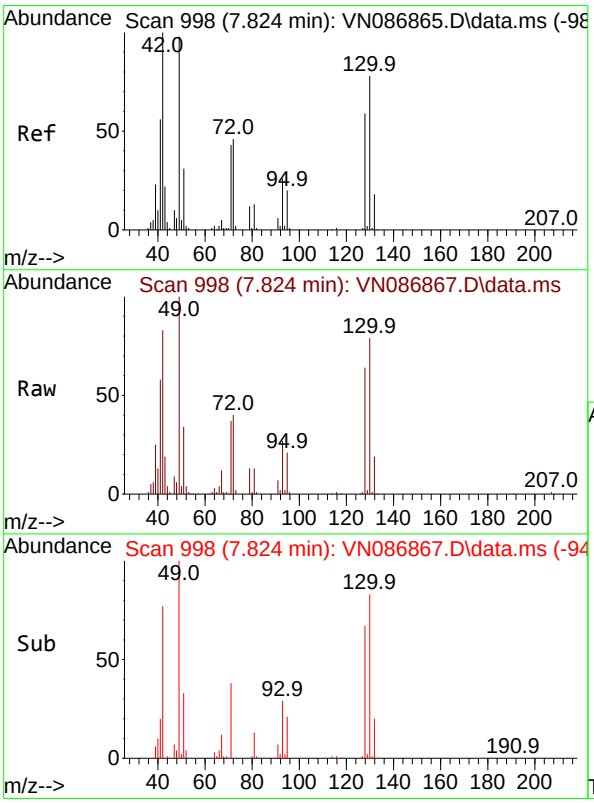
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	278.0
98	64.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

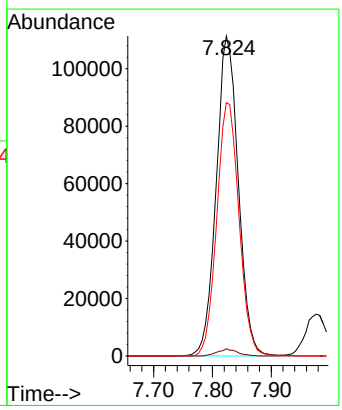
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

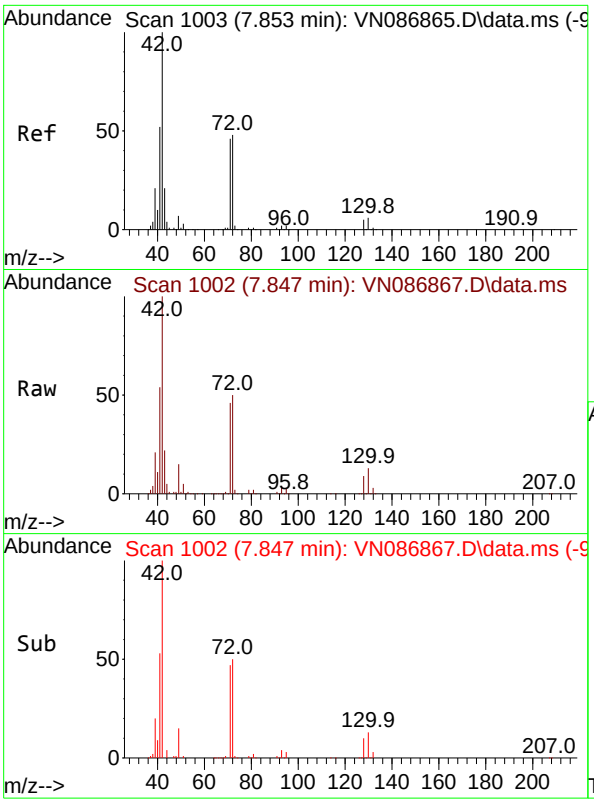


#28
Bromochloromethane
Concen: 152.718 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 49 Resp: 290594

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	79.8	62.2	93.2

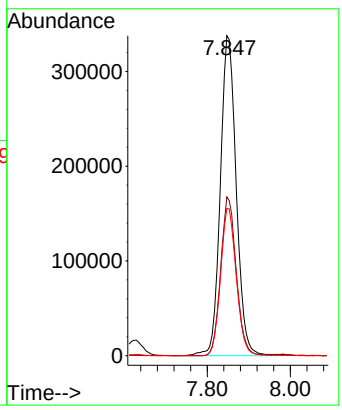




#29
Tetrahydrofuran
Concen: 691.211 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 42 Resp: 89815

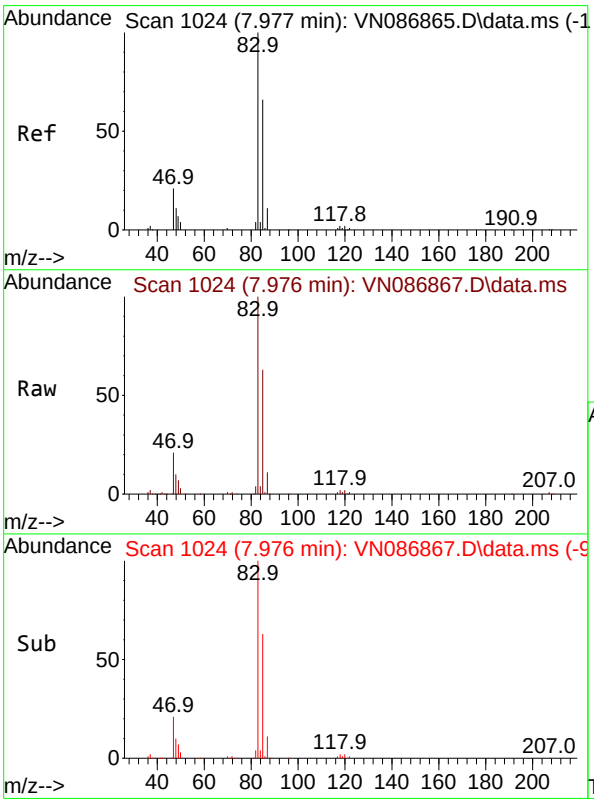
Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.8	56.6
71	45.4	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

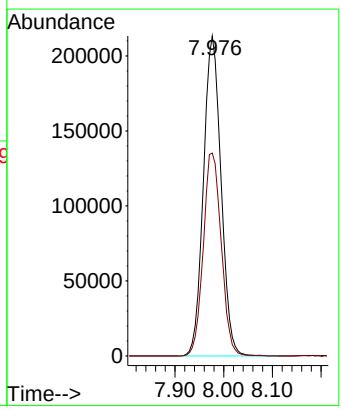
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

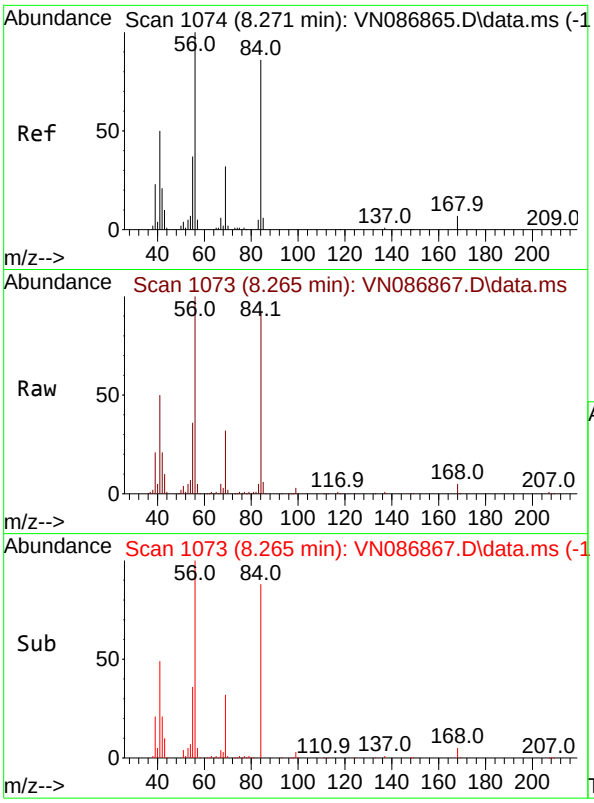


#30
Chloroform
Concen: 138.179 ug/l
RT: 7.976 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 534038

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.9	79.3

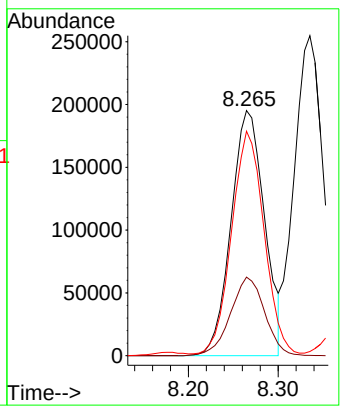




#31
Cyclohexane
Concen: 134.766 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 56 Resp: 50579

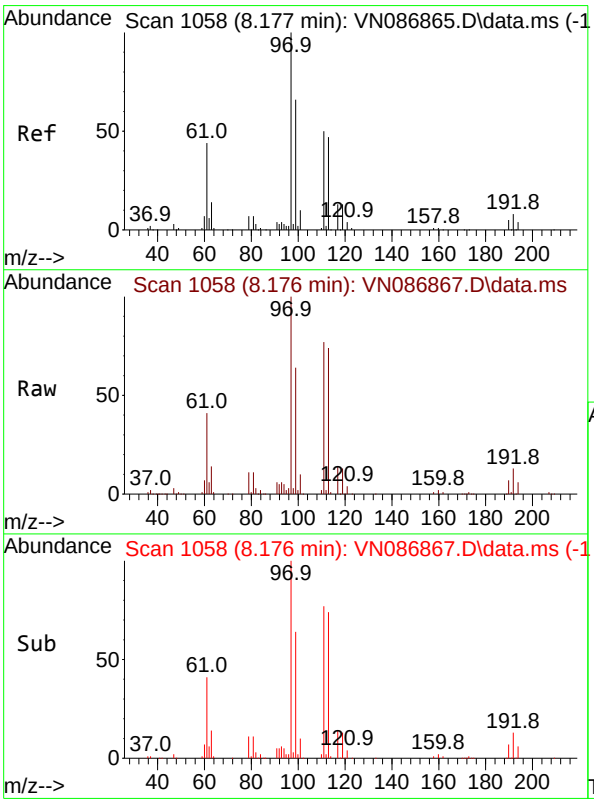
Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	90.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

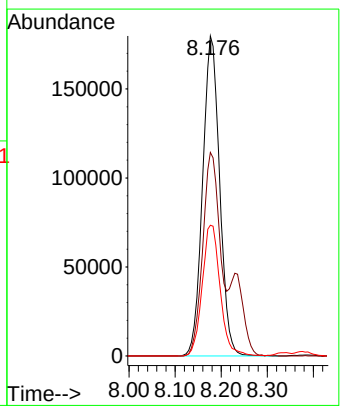
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

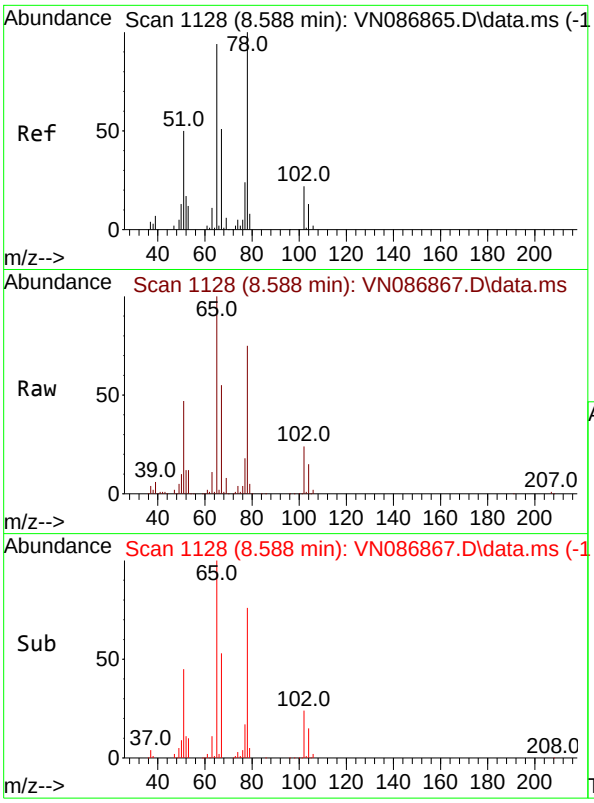


#32
1,1,1-Trichloroethane
Concen: 140.807 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 97 Resp: 462854

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.2	35.9	53.9

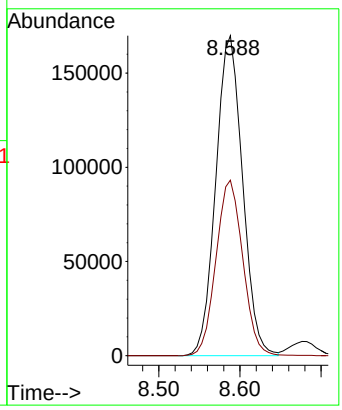




#33
1,2-Dichloroethane-d4
Concen: 168.233 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 65 Resp: 38929

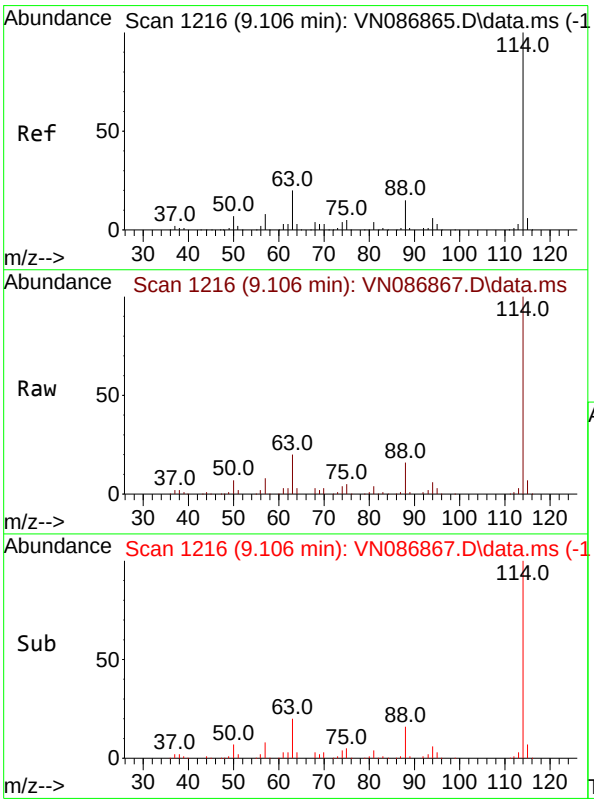
Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

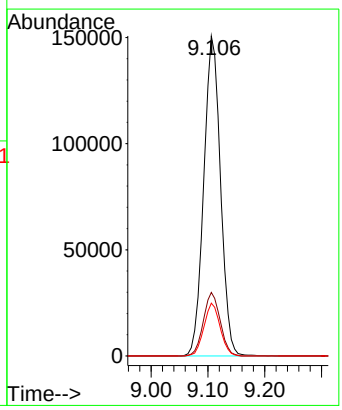
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

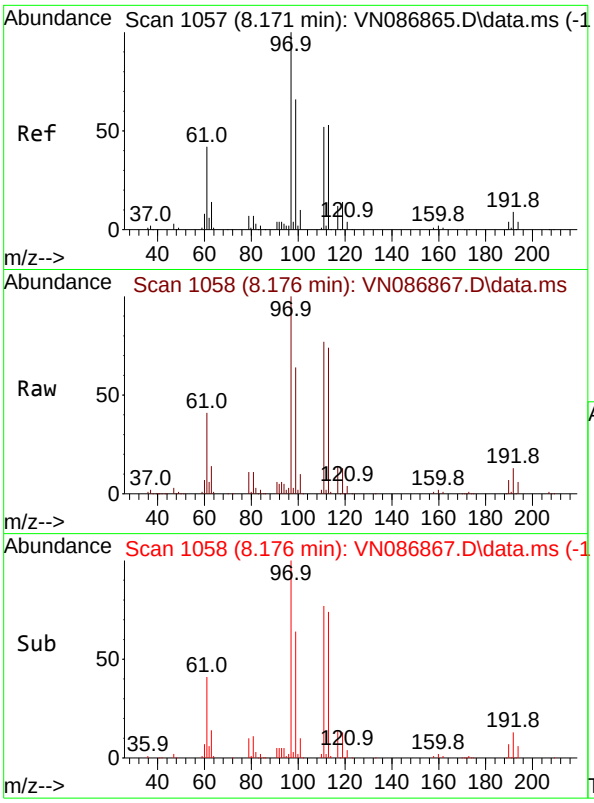


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:114 Resp: 307937

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	16.5	0.0	30.2

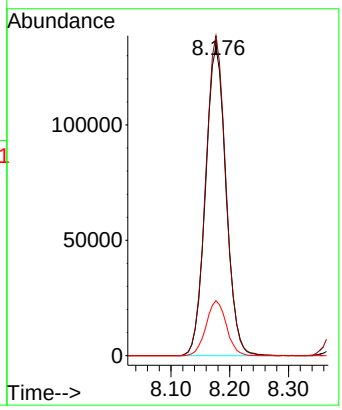




#35
Dibromofluoromethane
Concen: 177.803 ug/l
RT: 8.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:113 Resp: 32447

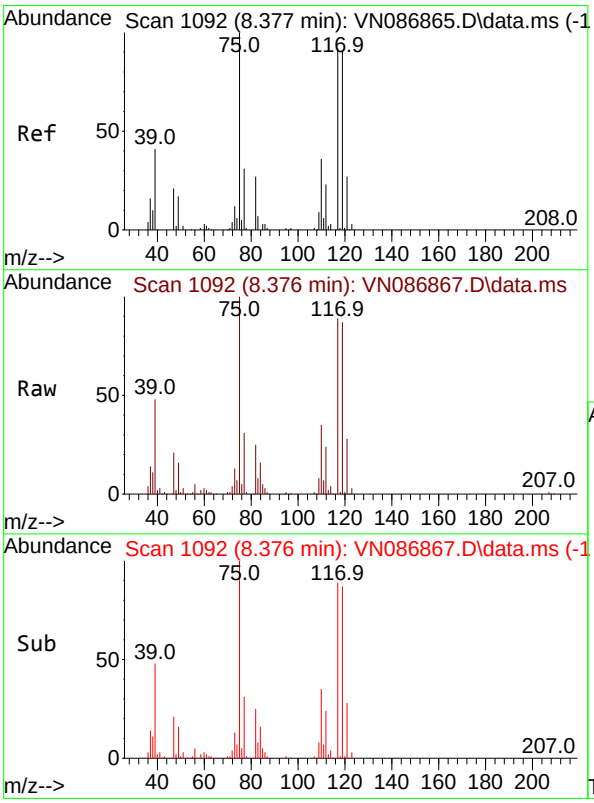
Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	17.7	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

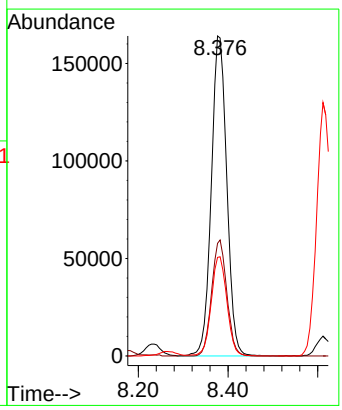
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

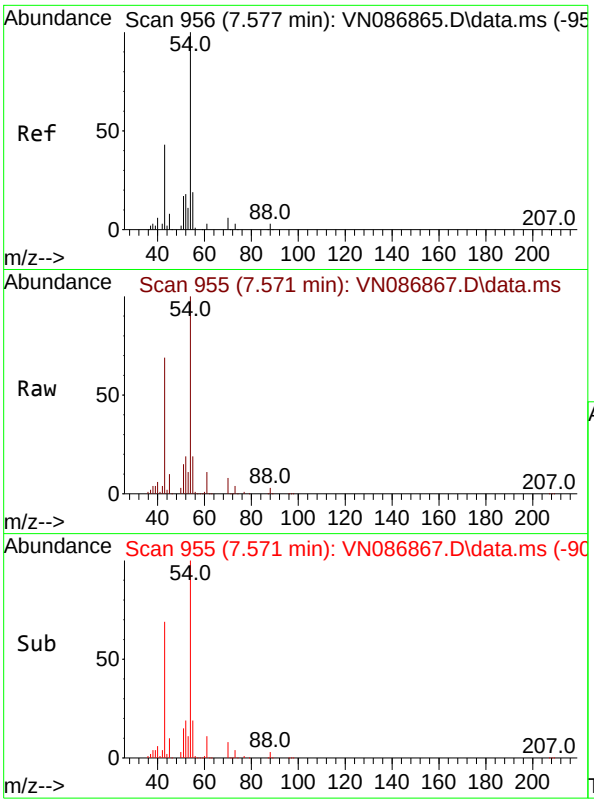


#36
1,1-Dichloropropene
Concen: 144.584 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 393166

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.4	25.3	37.9

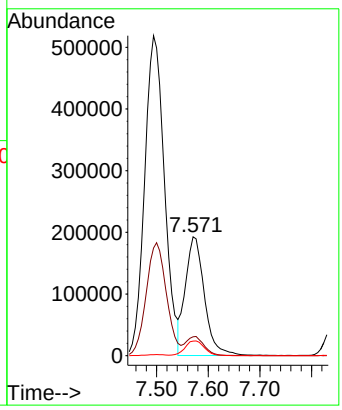




#37
Ethyl Acetate
Concen: 142.706 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 49400

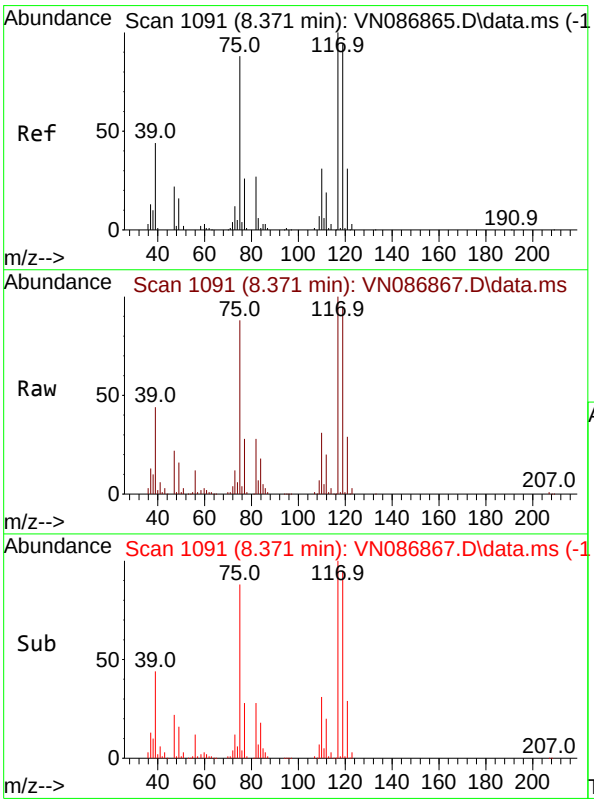
Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.7	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

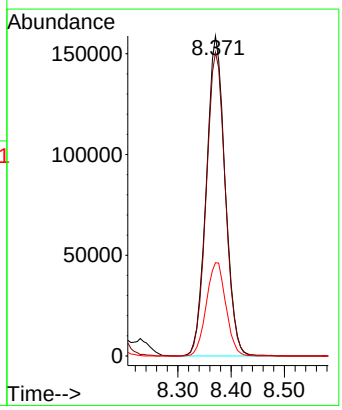
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

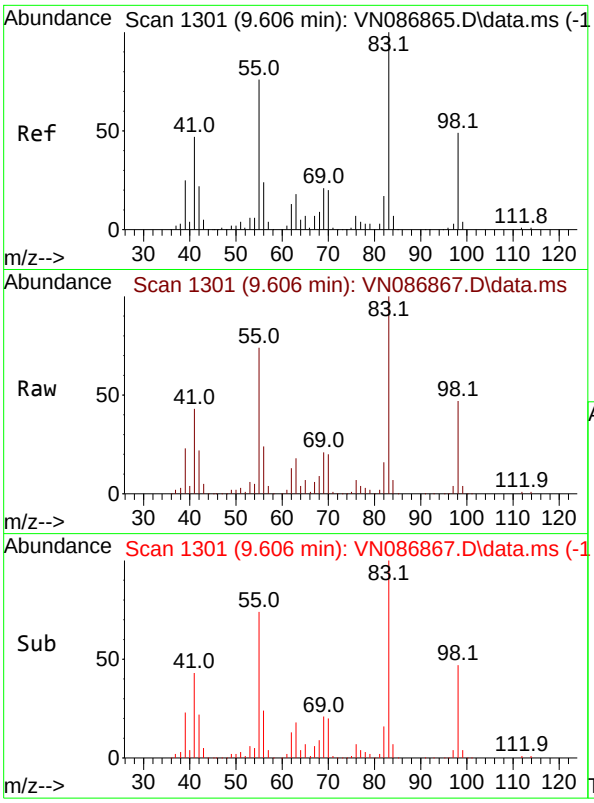


#38
Carbon Tetrachloride
Concen: 145.557 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 388595

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.0	112.6
121	29.1	24.9	37.3

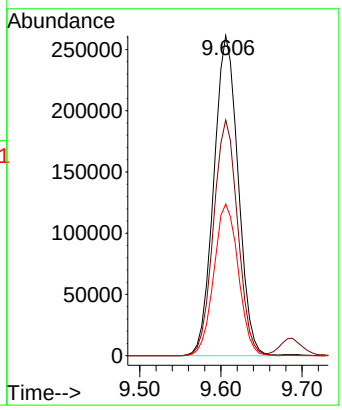




#39
Methylcyclohexane
Concen: 146.136 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 54443

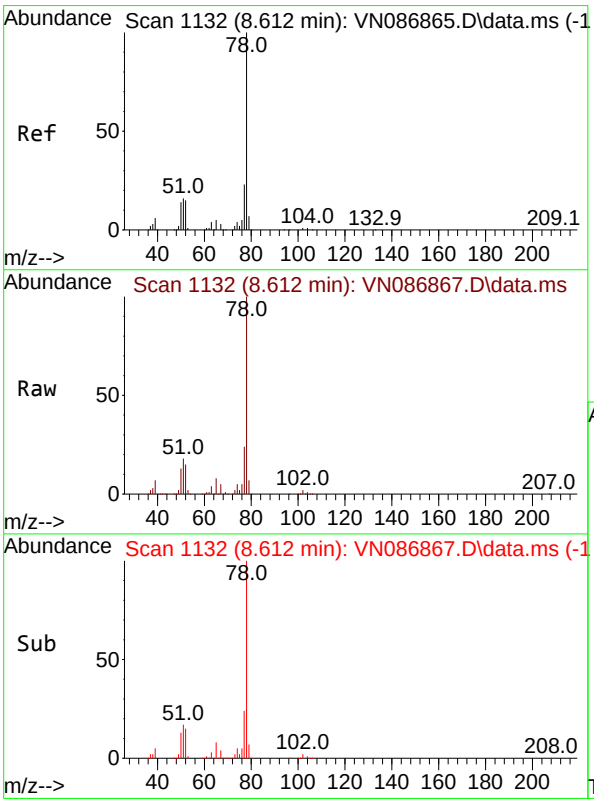
Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	47.4	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

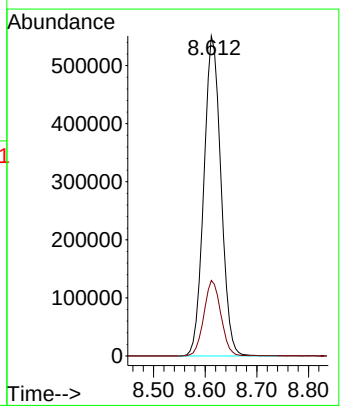
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

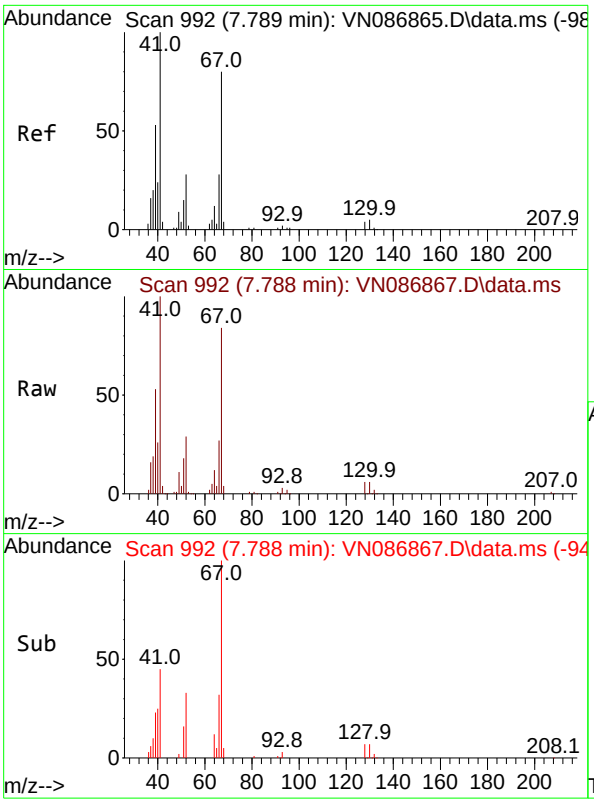


#40
Benzene
Concen: 142.388 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 78 Resp: 1266139

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1

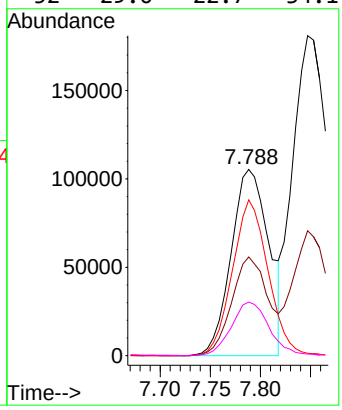




#41
Methacrylonitrile
Concen: 142.174 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 27640

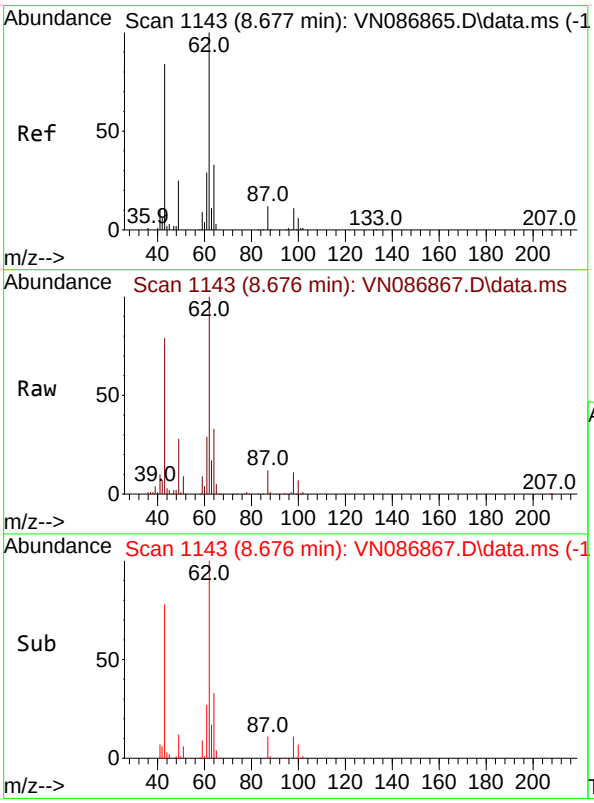
Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.2	61.8
67	79.4	61.4	92.2
52	29.0	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

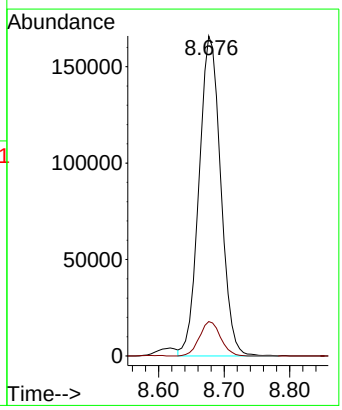
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

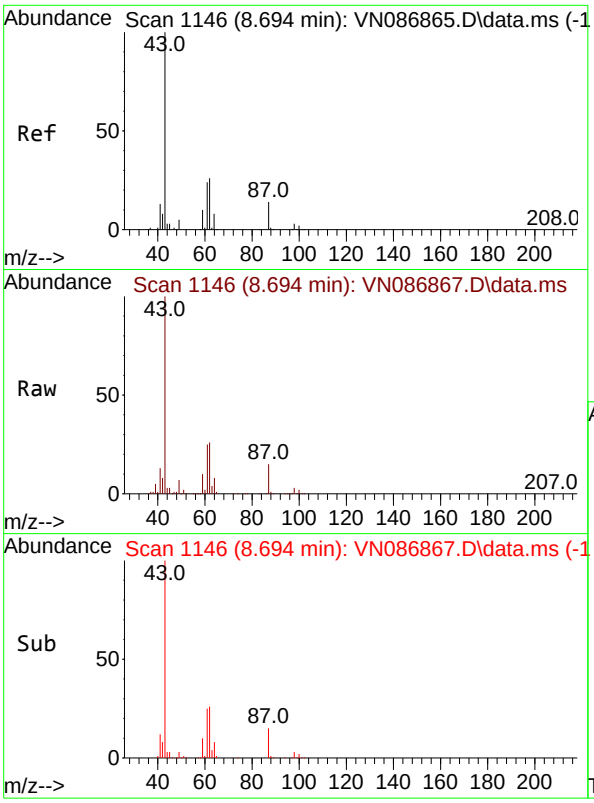


#42
1,2-Dichloroethane
Concen: 141.455 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 381516

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.2





#43
Isopropyl Acetate
Concen: 140.531 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

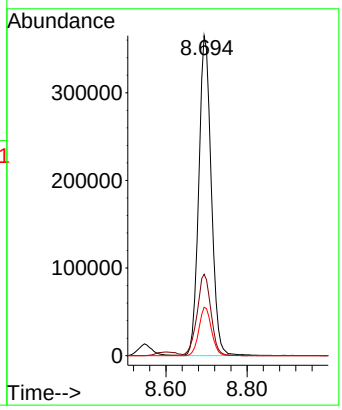
Tgt Ion: 43 Resp: 78079

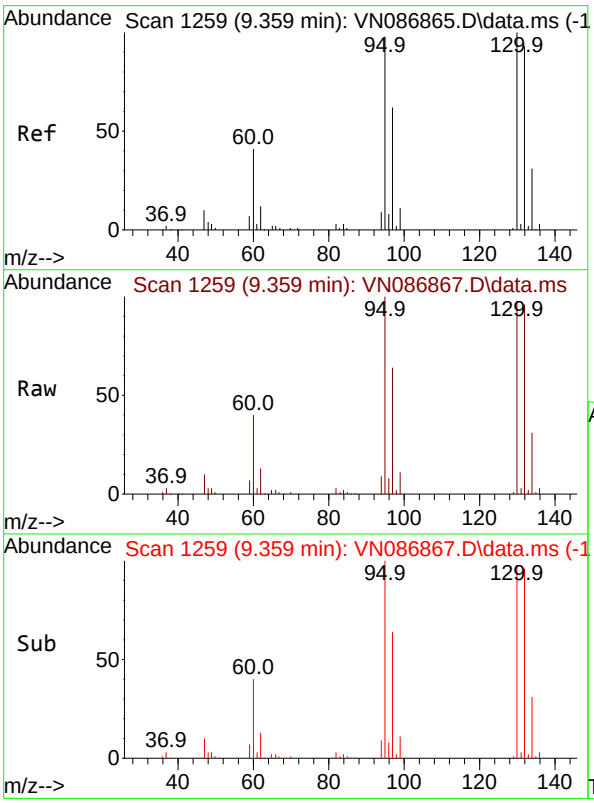
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.1	33.1
87	15.3	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

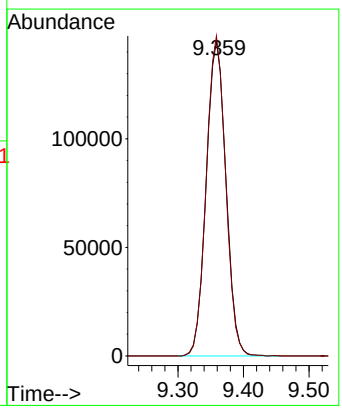


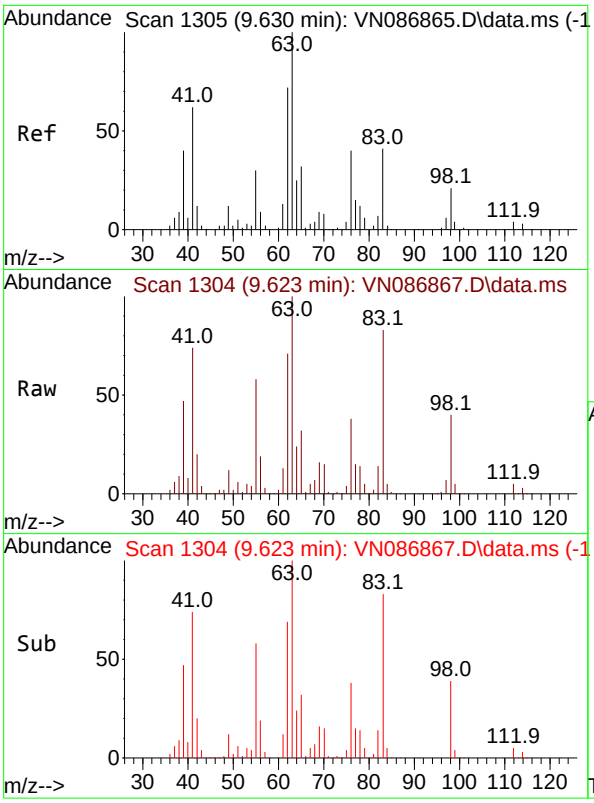


#44
Trichloroethene
Concen: 143.490 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:130 Resp: 302548

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2

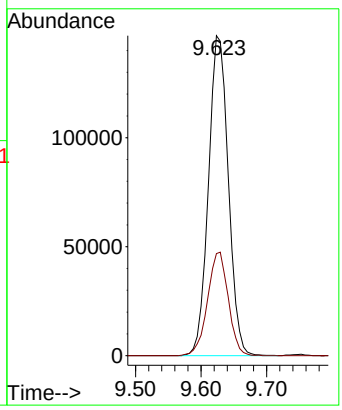




#45
1,2-Dichloropropane
Concen: 142.856 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 30904

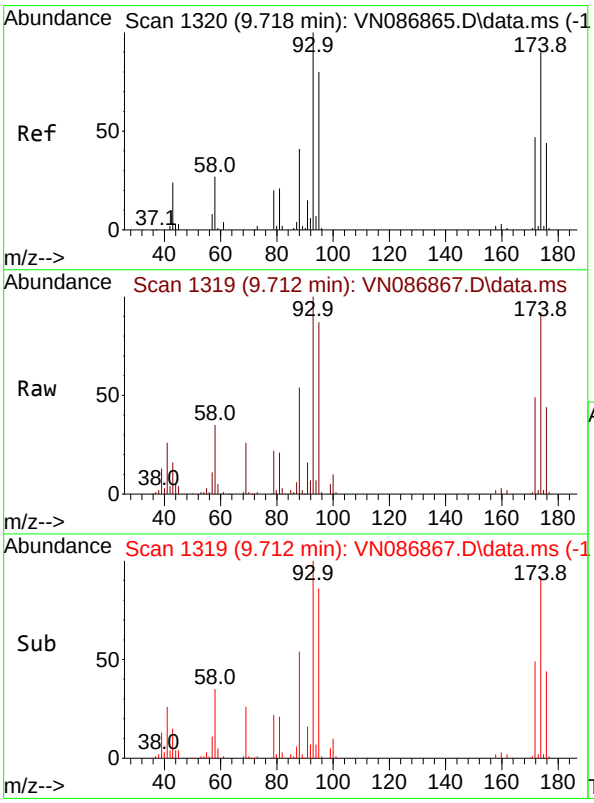
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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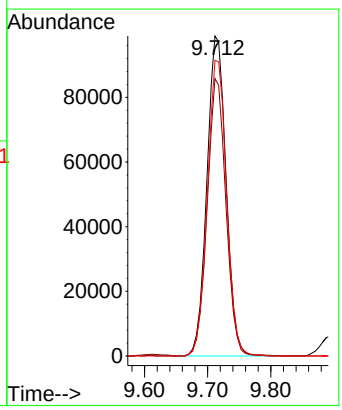
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

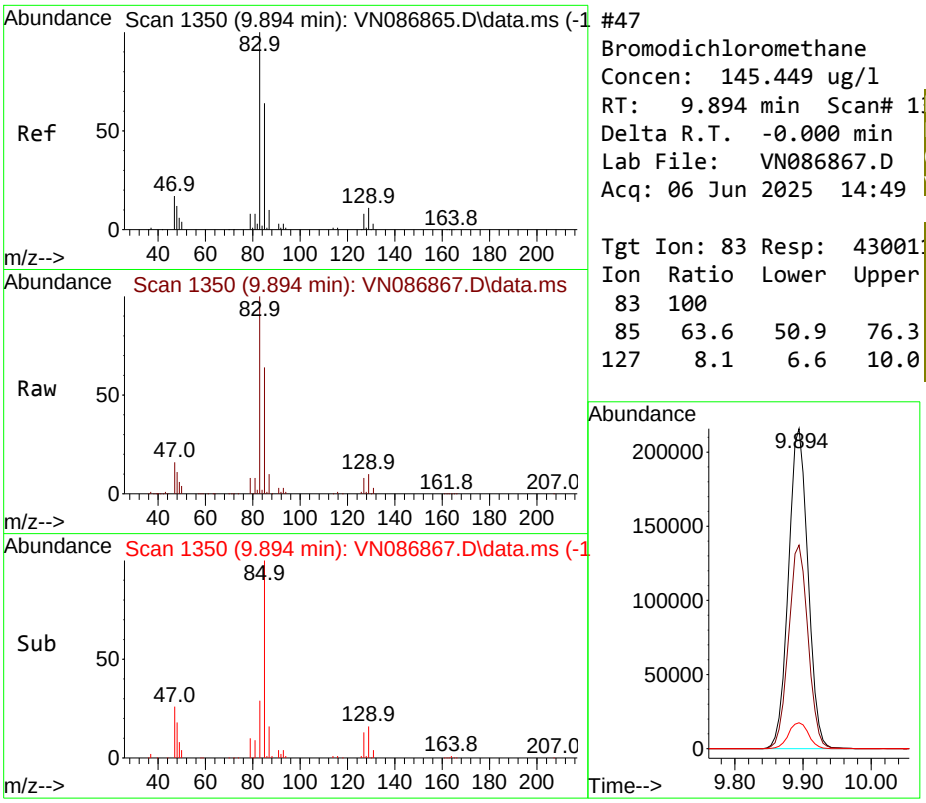


#46
Dibromomethane
Concen: 145.074 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 93 Resp: 208461

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	92.8	74.2	111.4





#47
Bromodichloromethane
Concen: 145.449 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

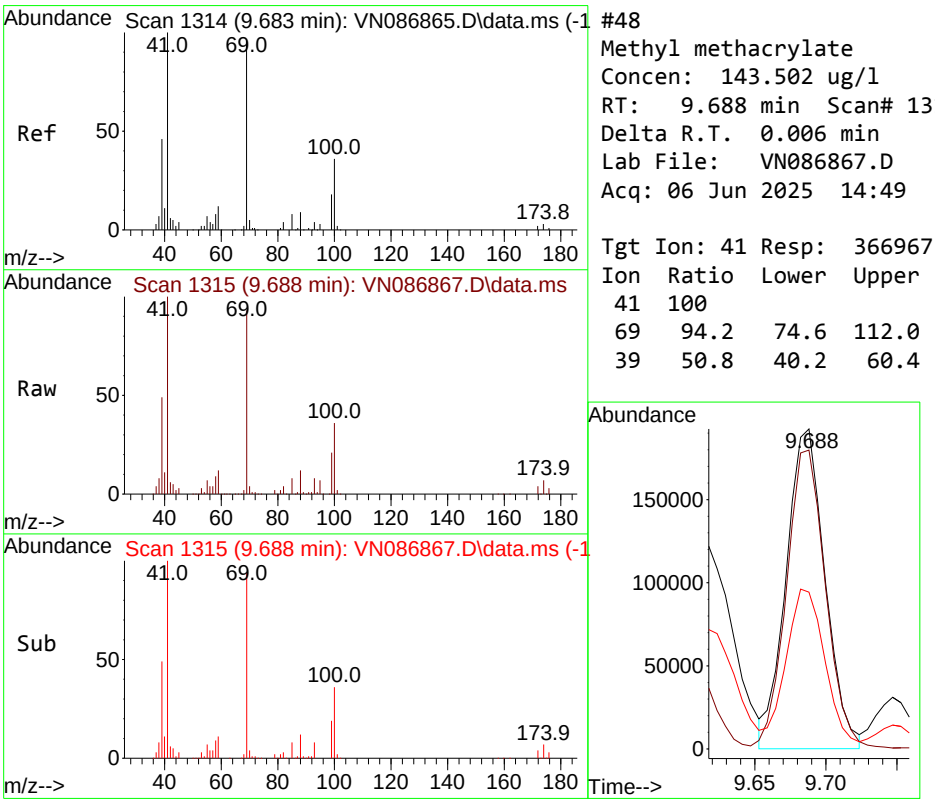
Tgt Ion: 83 Resp: 43001

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.6	10.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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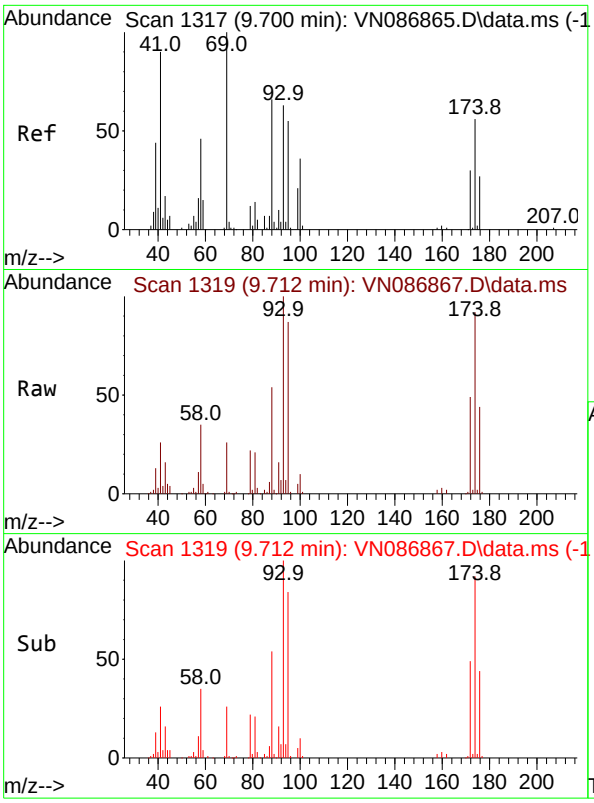
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#48
Methyl methacrylate
Concen: 143.502 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 366967

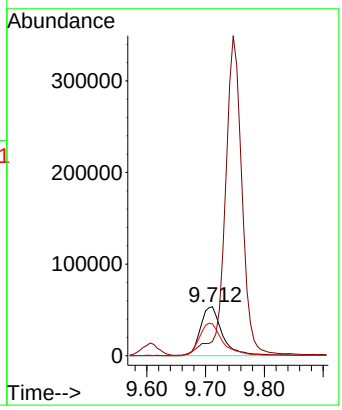
Ion	Ratio	Lower	Upper
41	100		
69	94.2	74.6	112.0
39	50.8	40.2	60.4



#49
1,4-Dioxane
Concen: 2967.116 ug/l
RT: 9.712 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 88 Resp: 13803

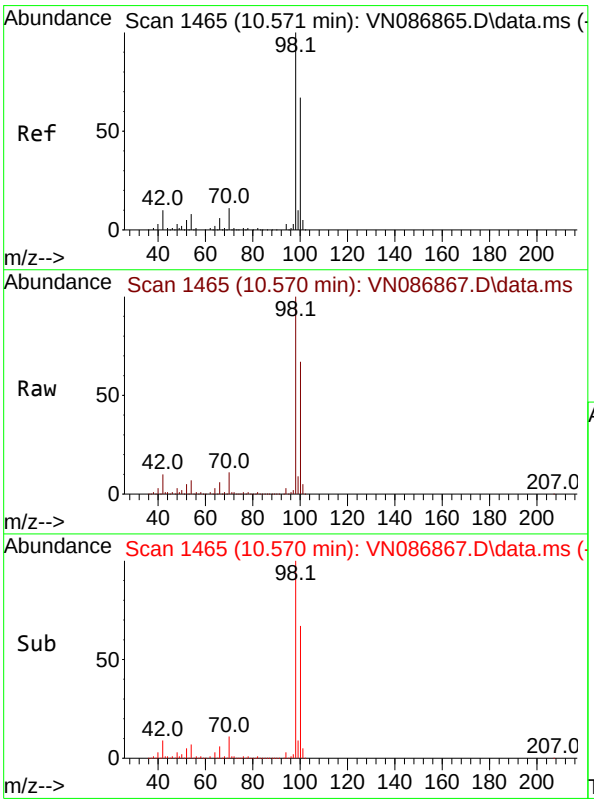
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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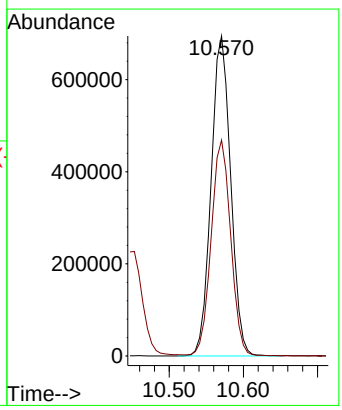
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

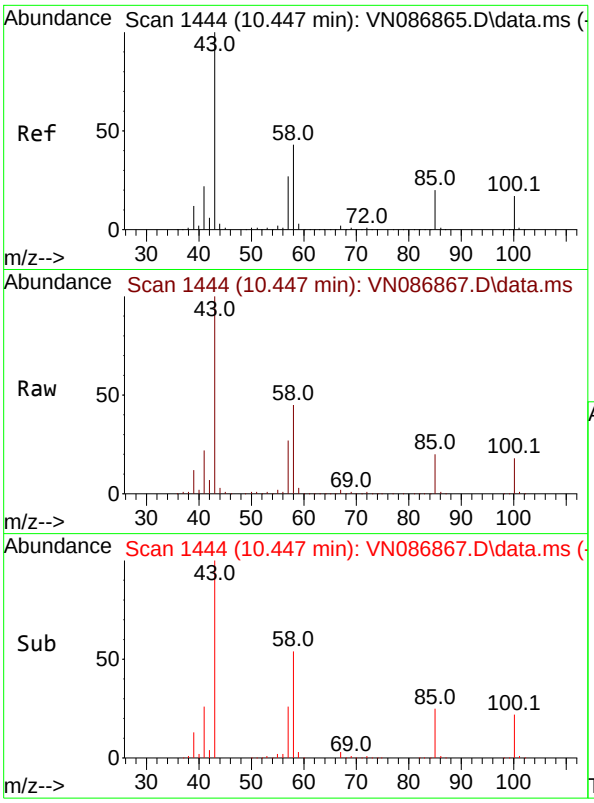


#50
Toluene-d8
Concen: 176.120 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 98 Resp: 1272348

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0

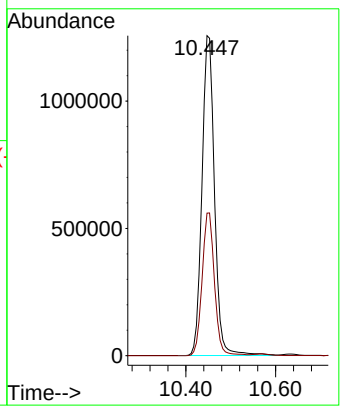




#51
4-Methyl-2-Pentanone
Concen: 728.995 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 243831

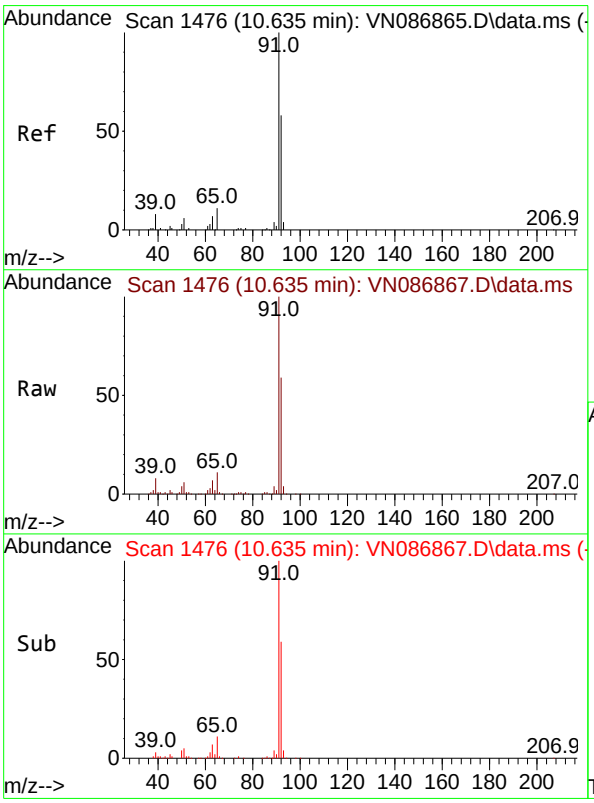
Ion	Ratio	Lower	Upper
43	100		
58	44.0	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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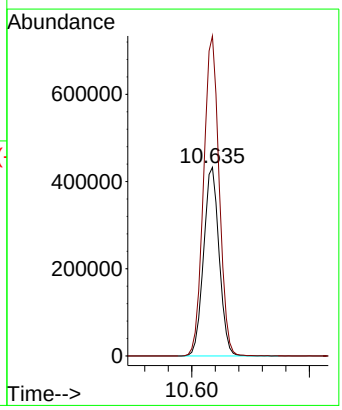
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

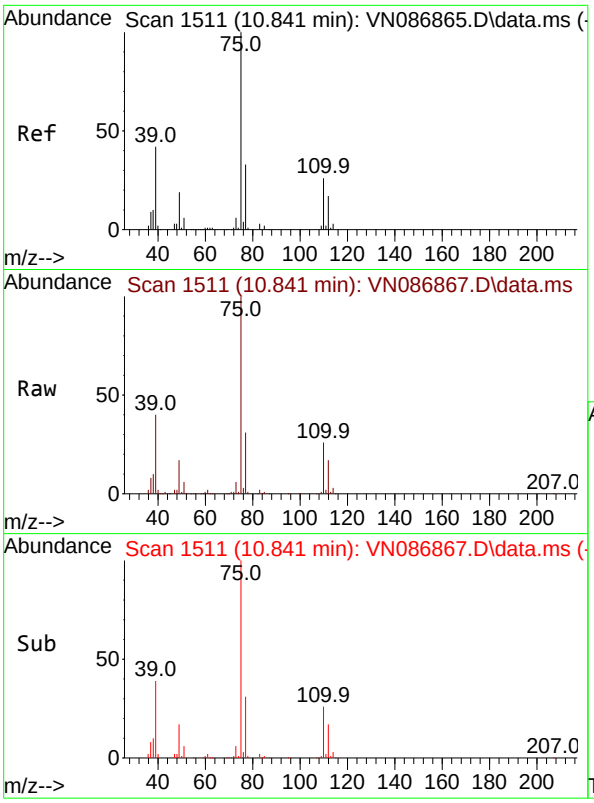


#52
Toluene
Concen: 145.976 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 92 Resp: 793270

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7

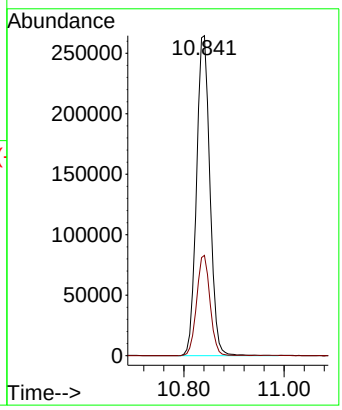




#53
t-1,3-Dichloropropene
Concen: 148.163 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 48980

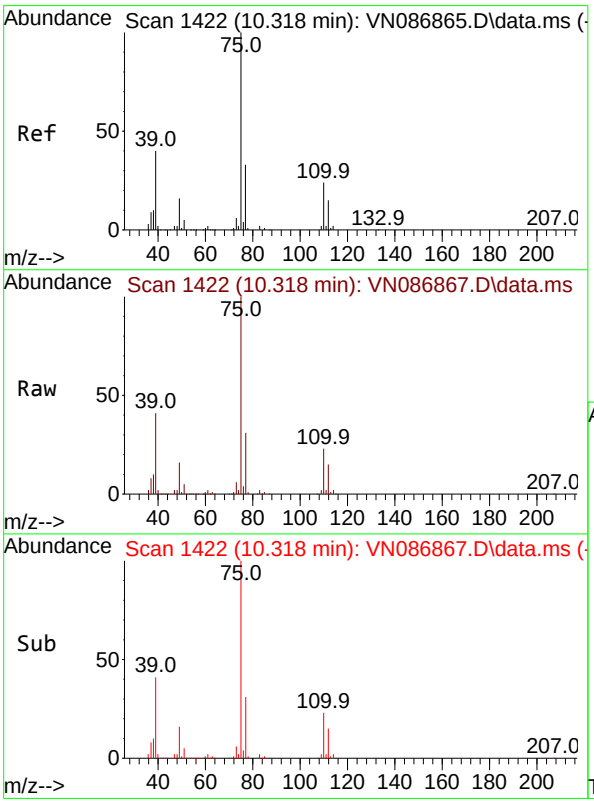
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

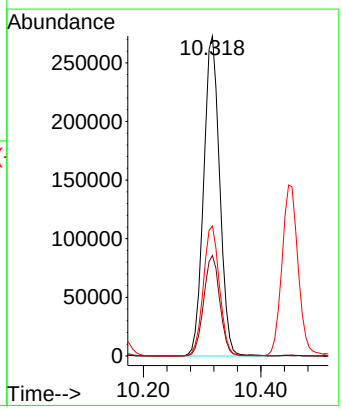
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

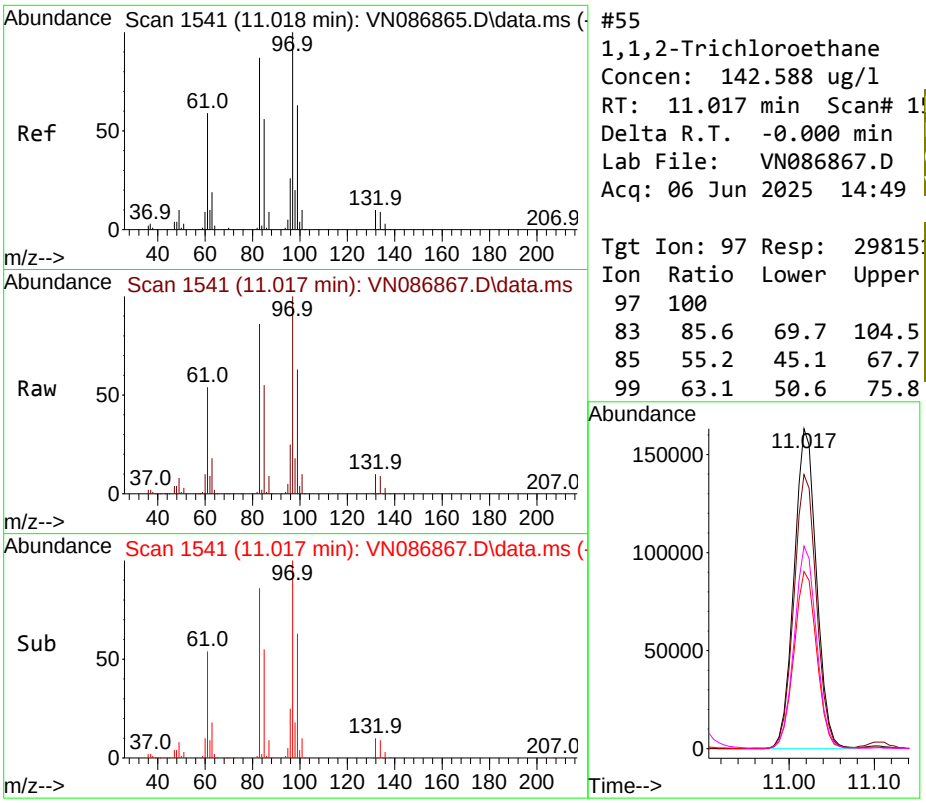


#54
cis-1,3-Dichloropropene
Concen: 146.469 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 518092

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	40.6	32.3	48.5





#55
1,1,2-Trichloroethane
Concen: 142.588 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

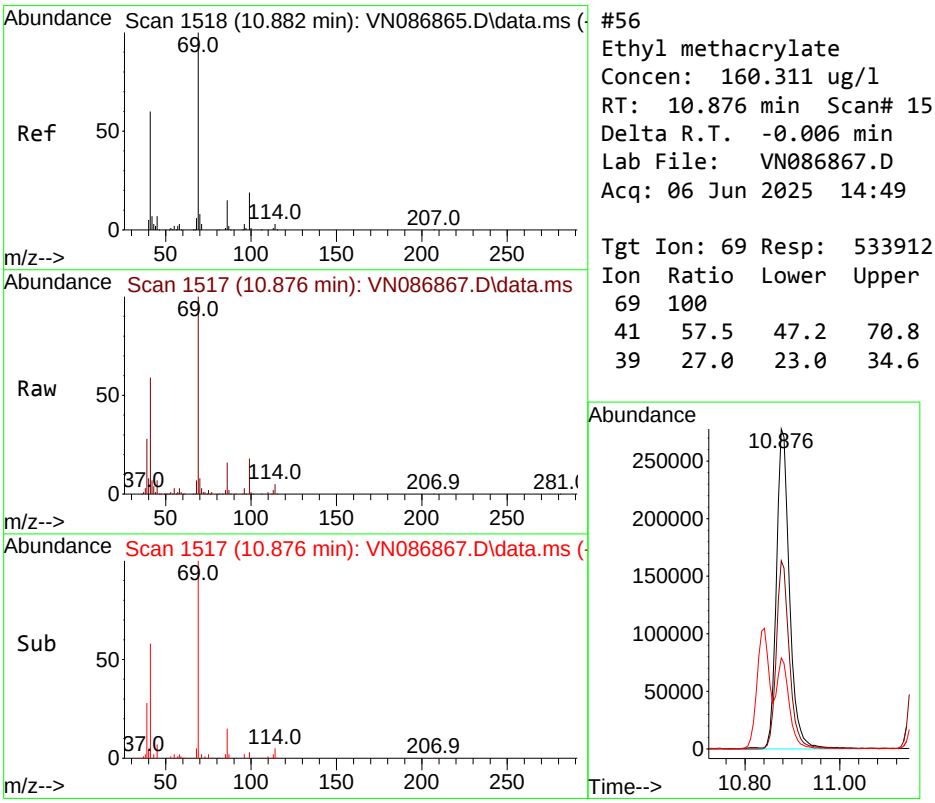
Tgt Ion: 97 Resp: 29815

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	55.2	45.1	67.7
99	63.1	50.6	75.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

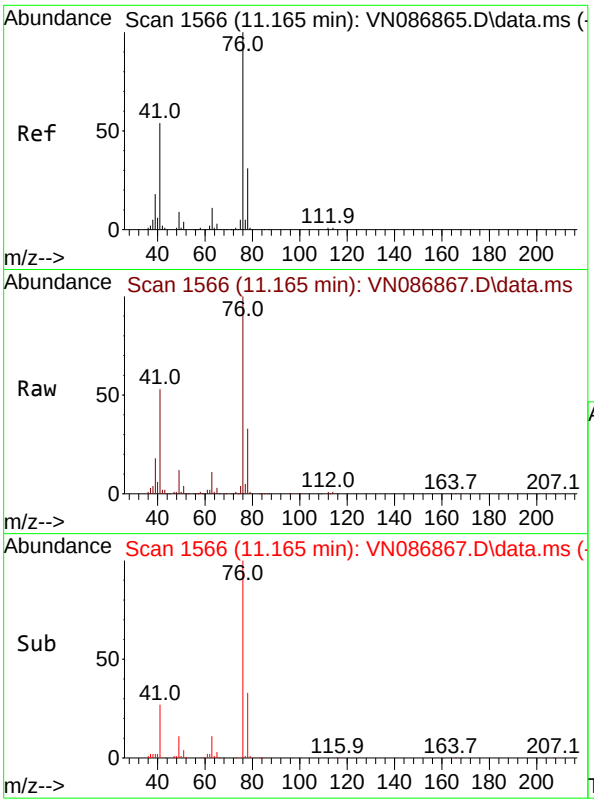
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#56
Ethyl methacrylate
Concen: 160.311 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 69 Resp: 533912

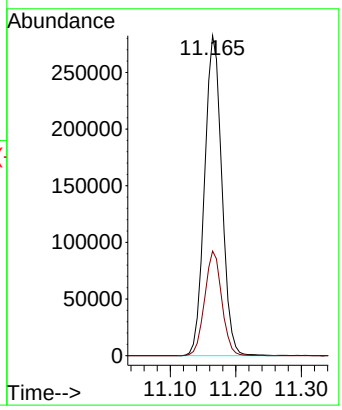
Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.2	70.8
39	27.0	23.0	34.6



#57
1,3-Dichloropropane
Concen: 142.363 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 76 Resp: 51639

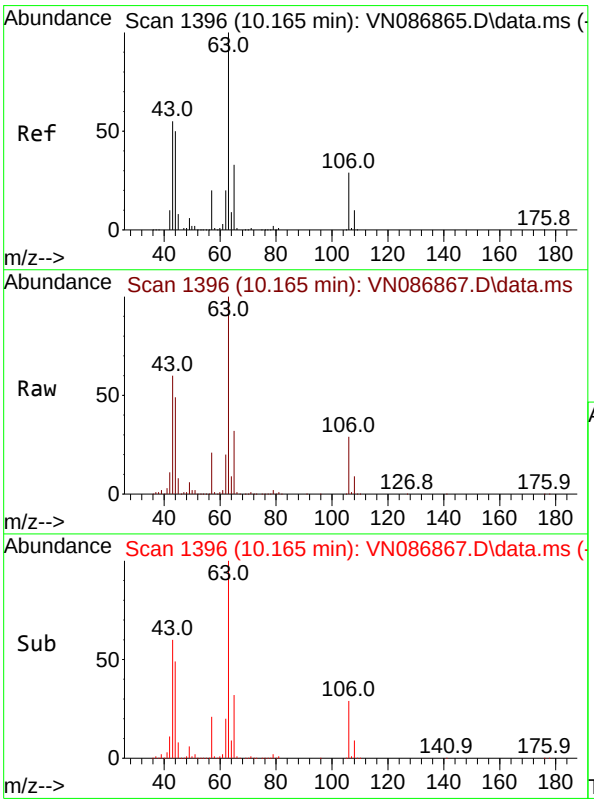
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

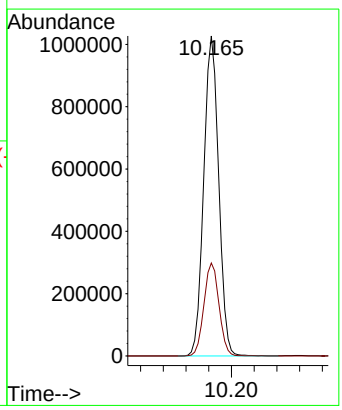
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

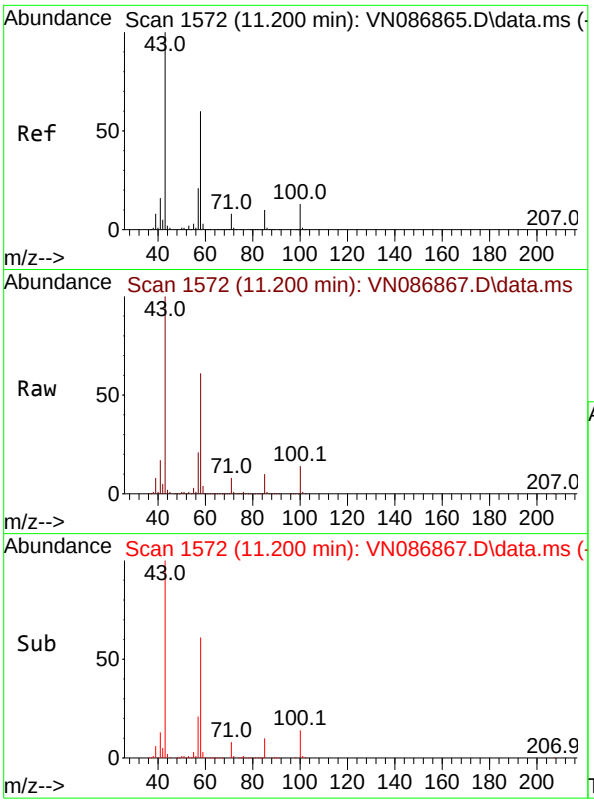


#58
2-Chloroethyl Vinyl ether
Concen: 941.147 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 1869543

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.0	34.6





#59
2-Hexanone
Concen: 805.662 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

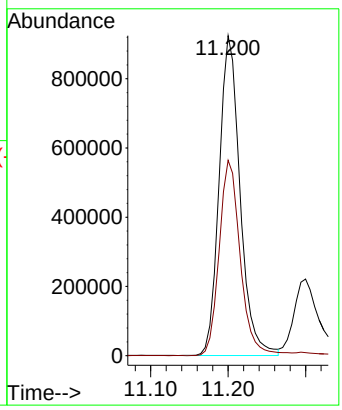
Tgt Ion: 43 Resp: 173577

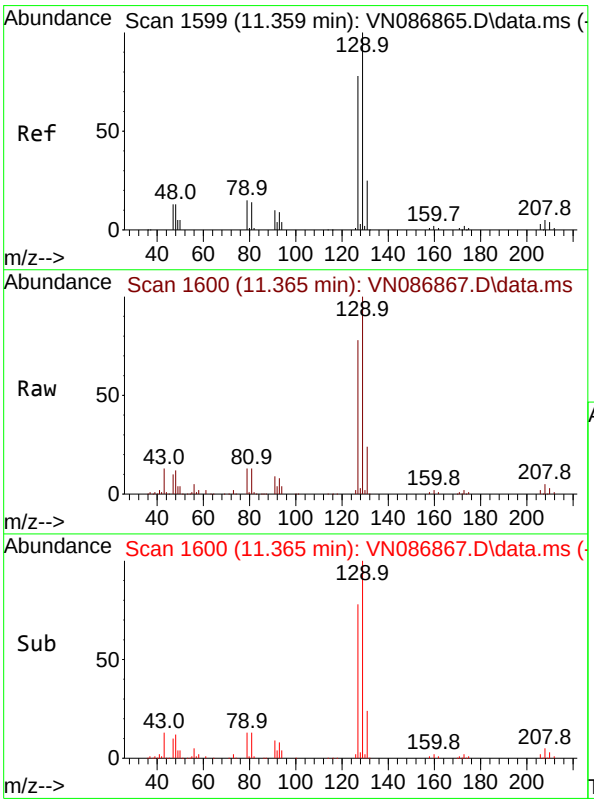
Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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

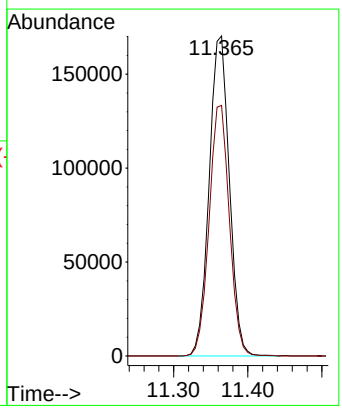


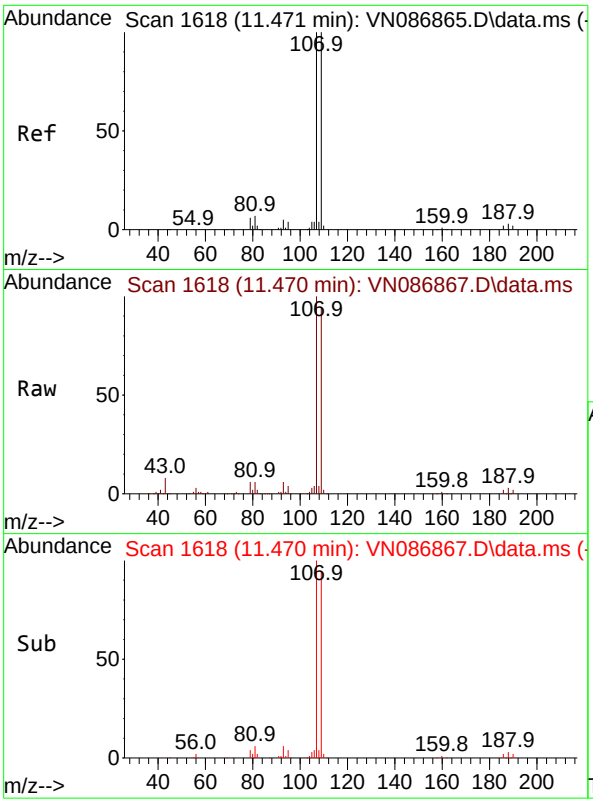


#60
Dibromochloromethane
Concen: 147.832 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:129 Resp: 322064

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8

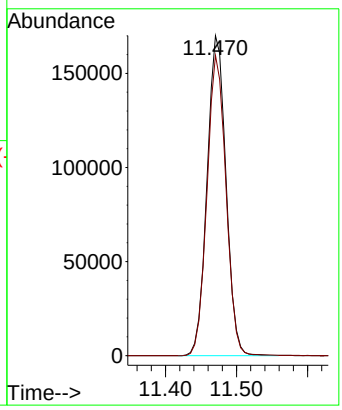




#61
1,2-Dibromoethane
Concen: 146.790 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:107 Resp: 31460

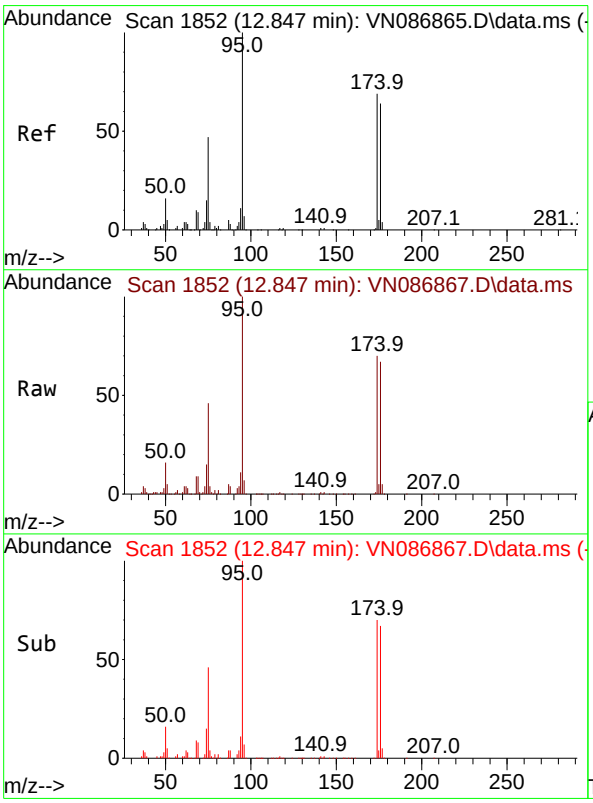
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

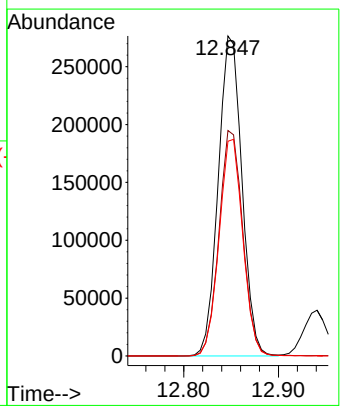
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

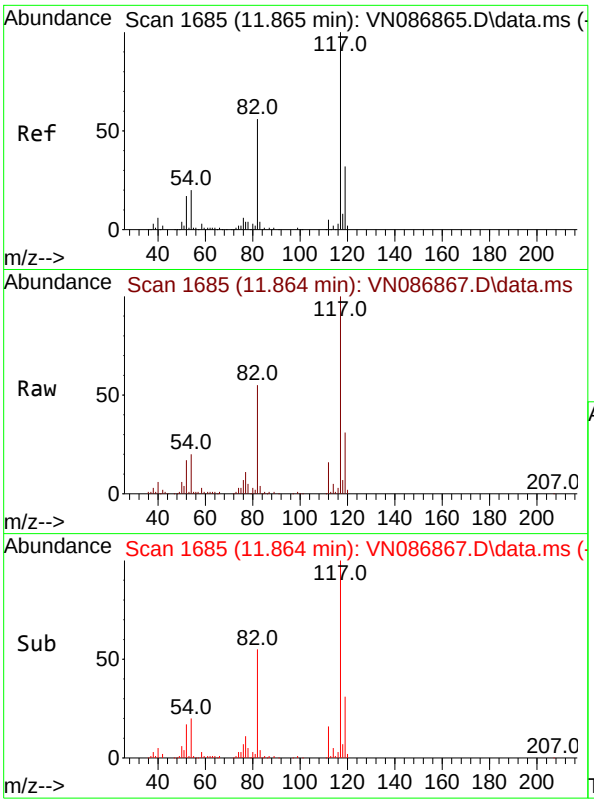


#62
4-Bromofluorobenzene
Concen: 179.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 481421

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.8
176	67.8	0.0	132.6

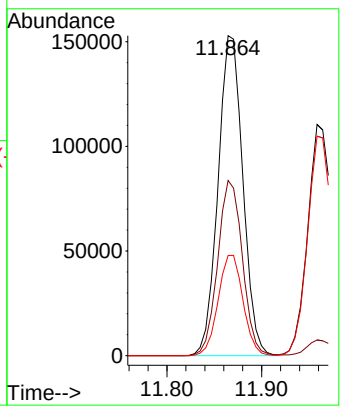




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 27855

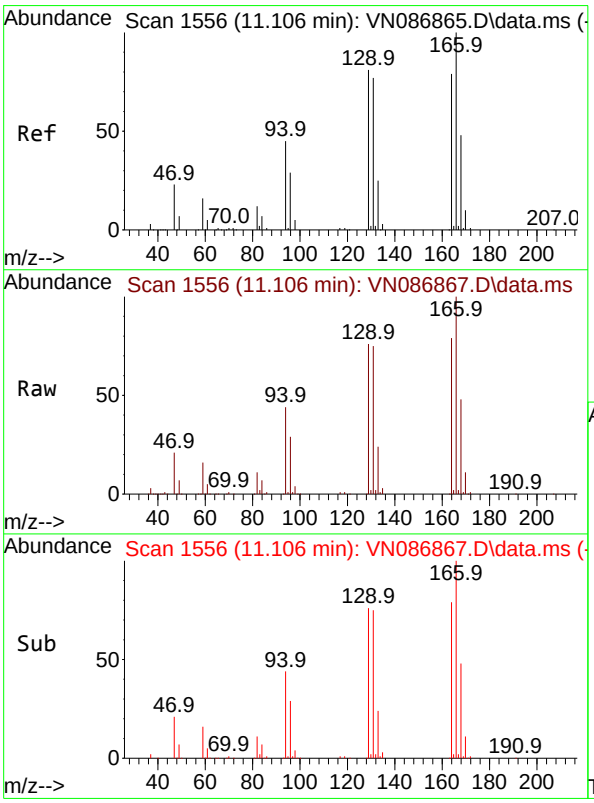
Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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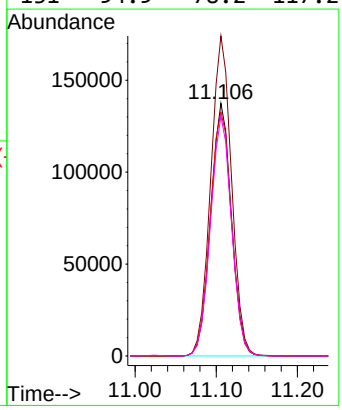
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

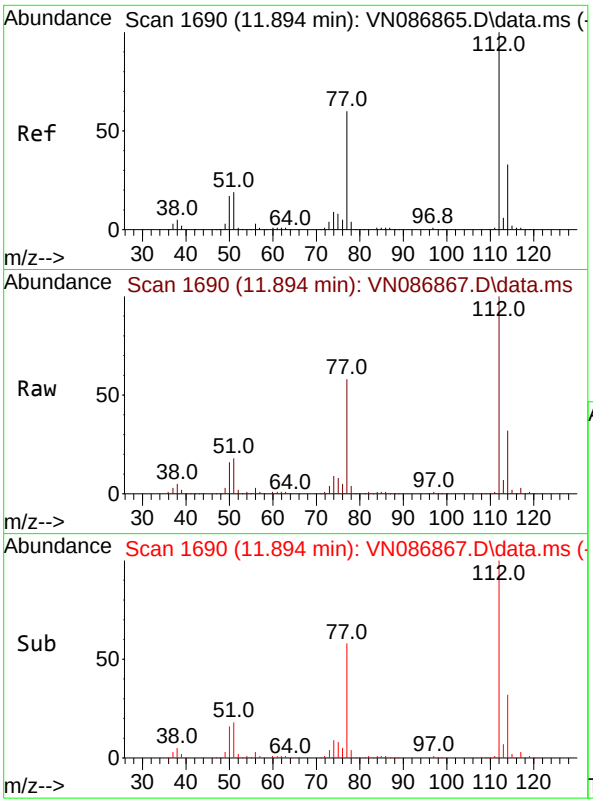


#64
Tetrachloroethene
Concen: 139.048 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:164 Resp: 245122

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.8
129	96.6	83.0	124.4
131	94.9	78.2	117.2

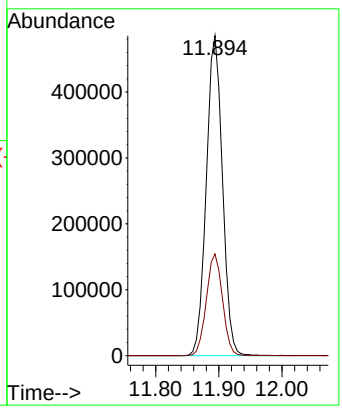




#65
Chlorobenzene
Concen: 140.041 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:112 Resp: 86034

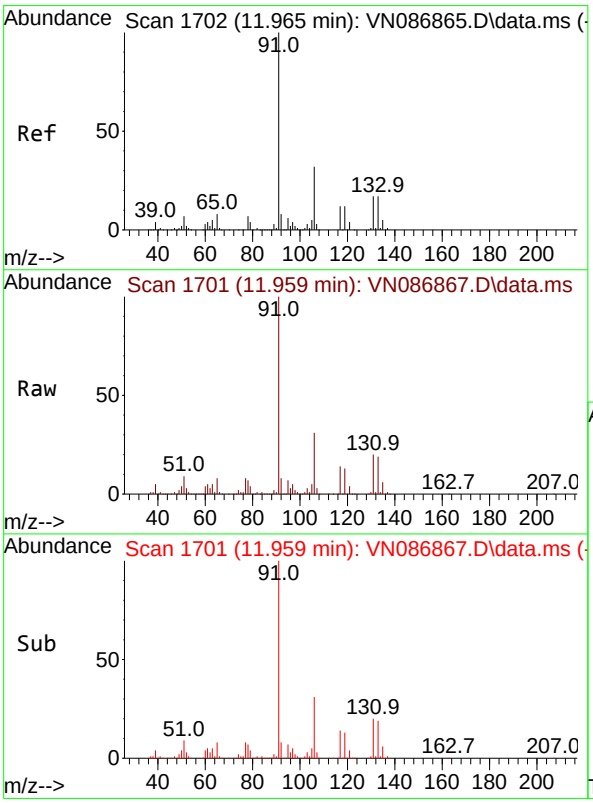
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

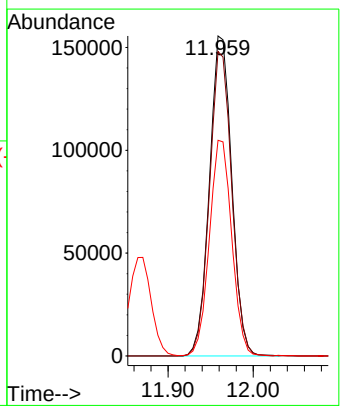
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

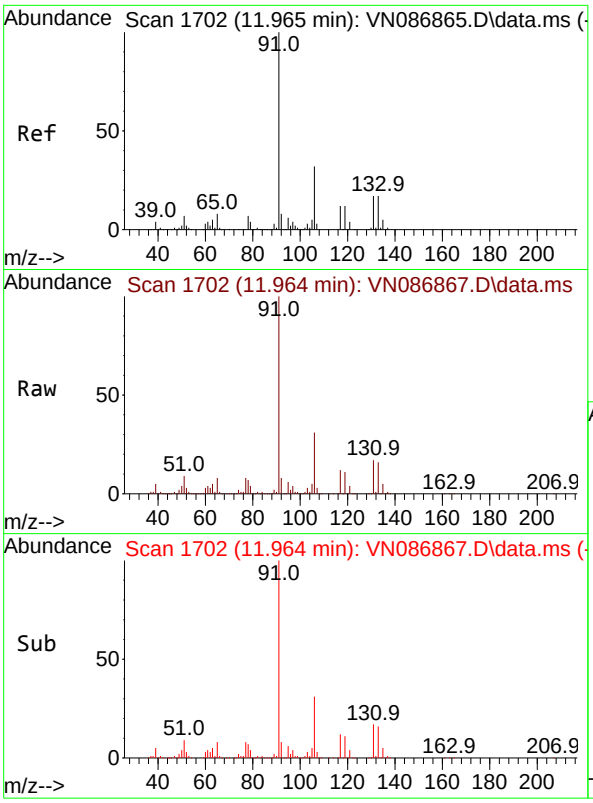


#66
1,1,1,2-Tetrachloroethane
Concen: 143.171 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:131 Resp: 282739

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.8
119	67.8	34.0	101.8

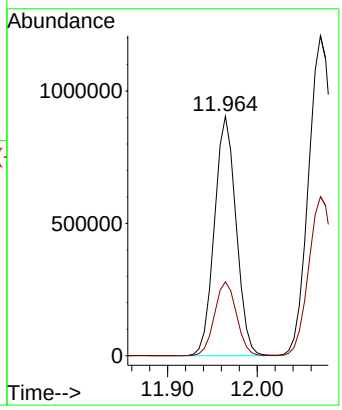




#67
Ethyl Benzene
Concen: 143.438 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 151788

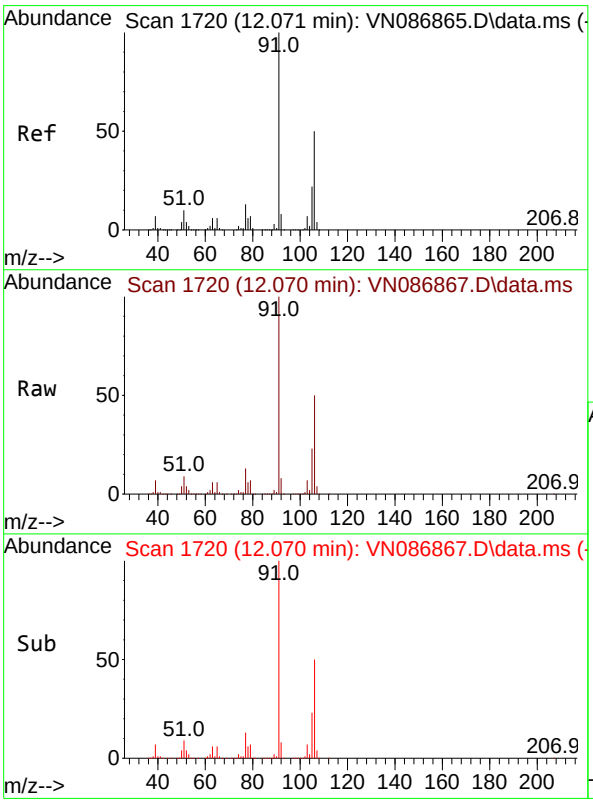
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

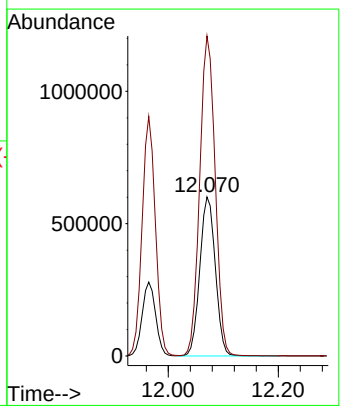
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

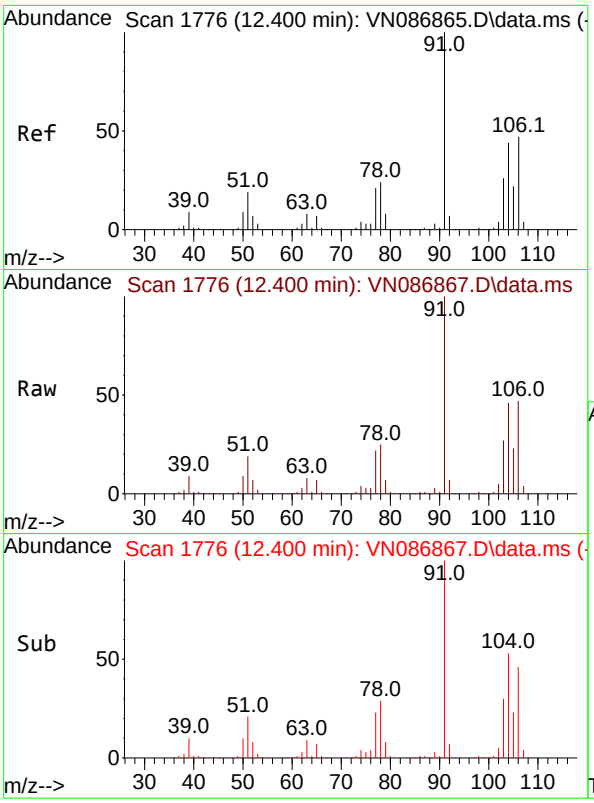


#68
m/p-Xylenes
Concen: 290.155 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 1175378

Ion	Ratio	Lower	Upper
106	100		
91	200.8	159.4	239.0

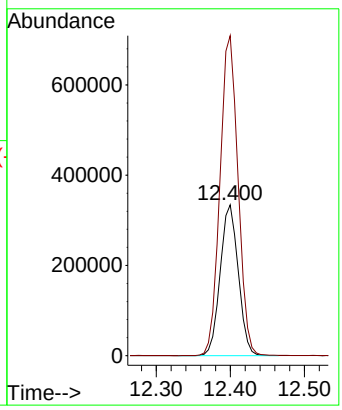




#69
o-Xylene
Concen: 145.966 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 56630

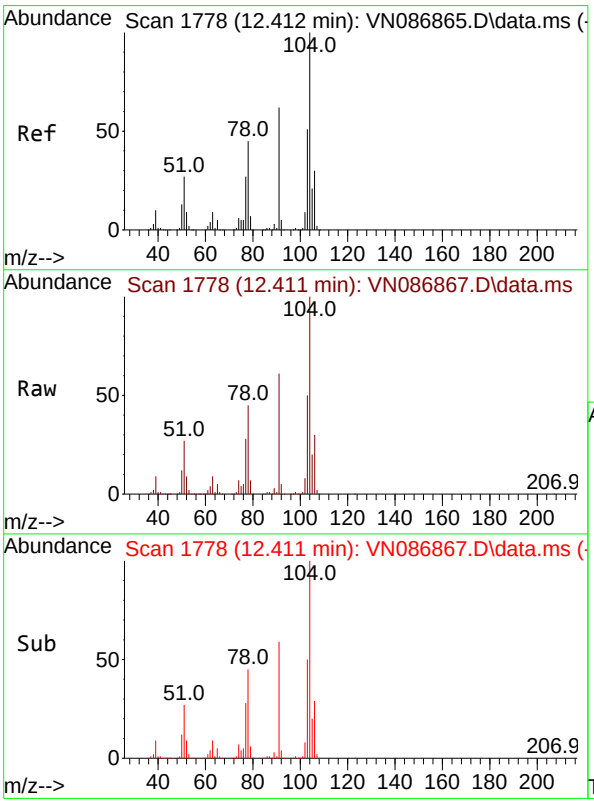
Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

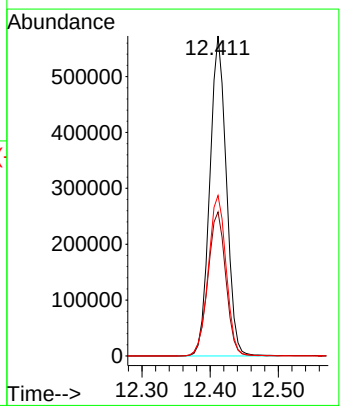
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

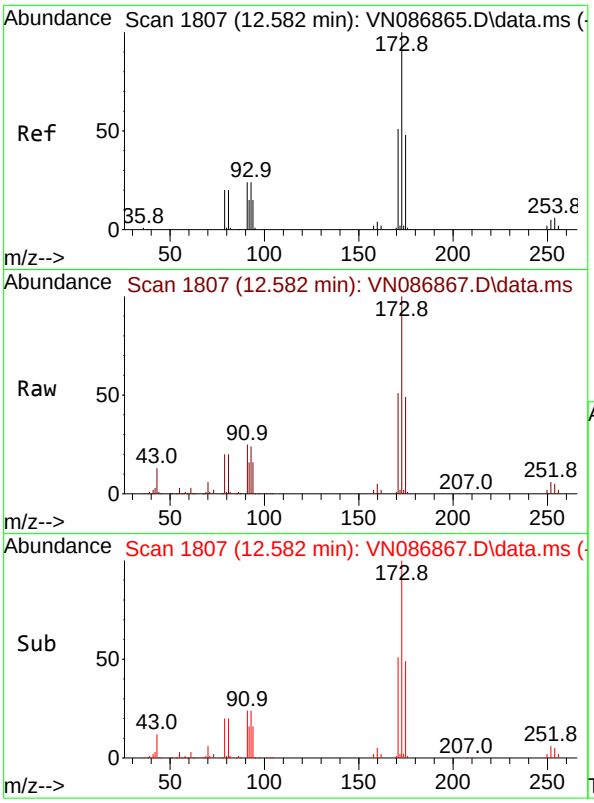


#70
Styrene
Concen: 146.459 ug/l
RT: 12.411 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:104 Resp: 972318

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7

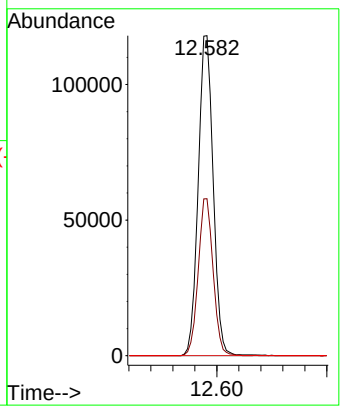




#71
Bromoform
Concen: 152.538 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:173 Resp: 22320

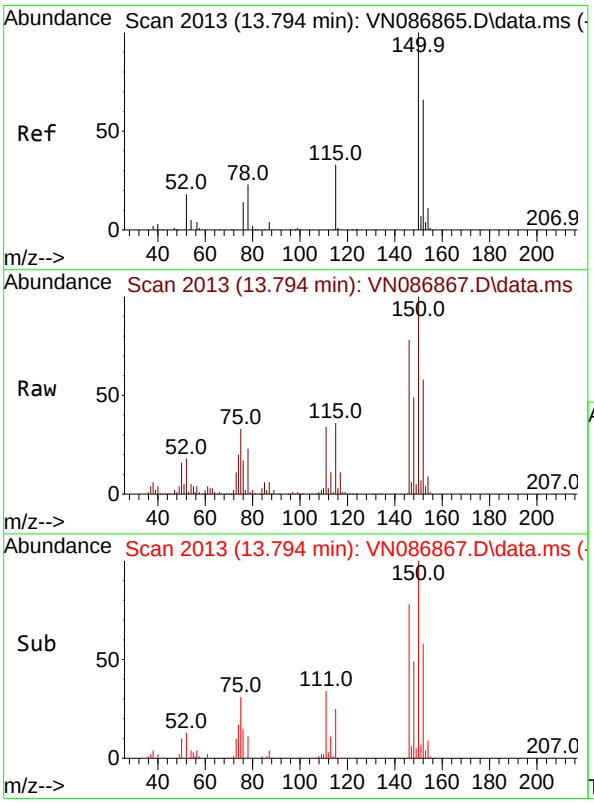
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

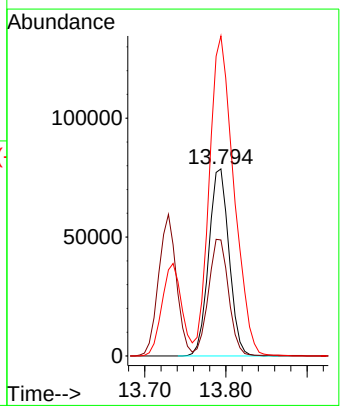
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

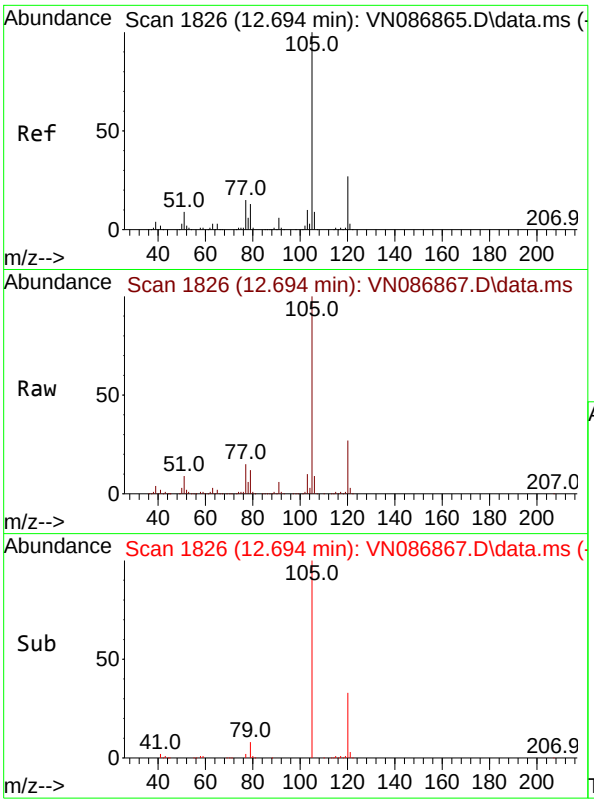


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 136630

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	206.7	0.0	345.0

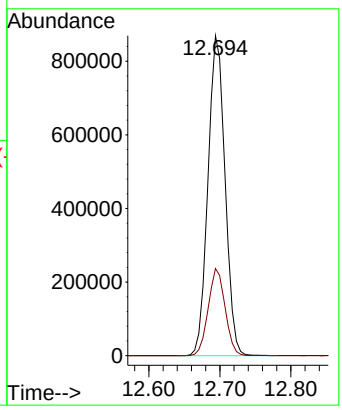




#73
Isopropylbenzene
Concen: 146.042 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 145365

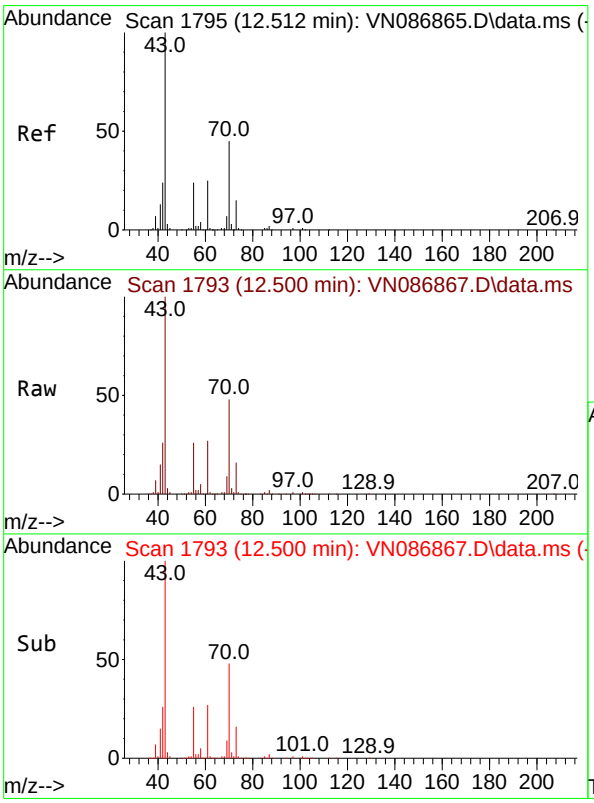
Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

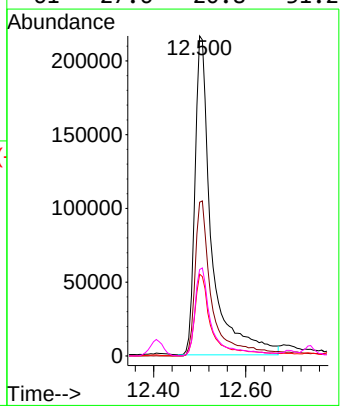
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

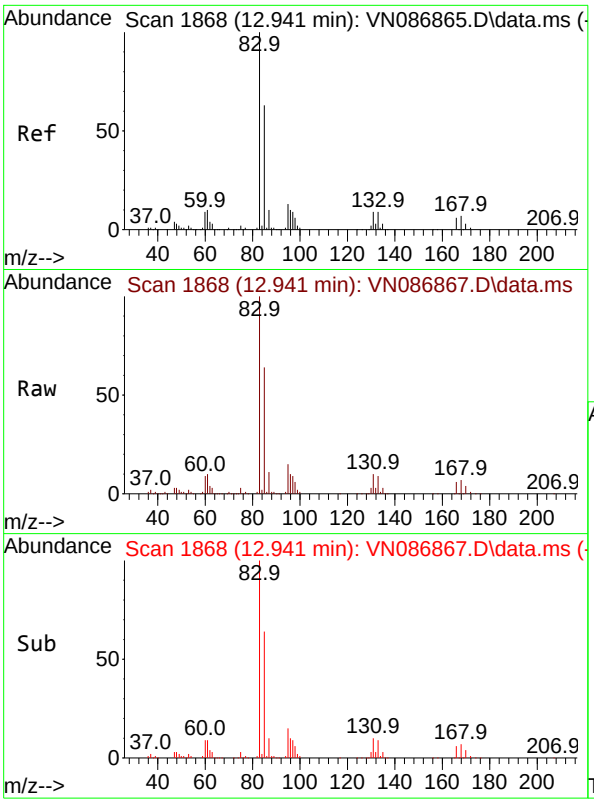


#74
N-amyl acetate
Concen: 164.596 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 543747

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.6	56.4
55	26.1	19.0	28.6
61	27.6	20.8	31.2

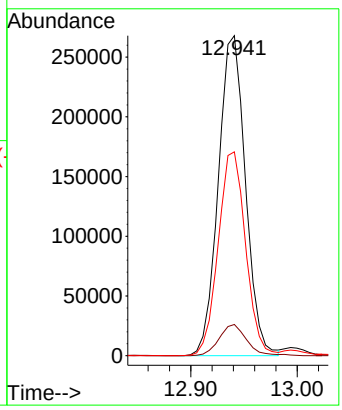




#75
1,1,2,2-Tetrachloroethane
Concen: 140.693 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 47442

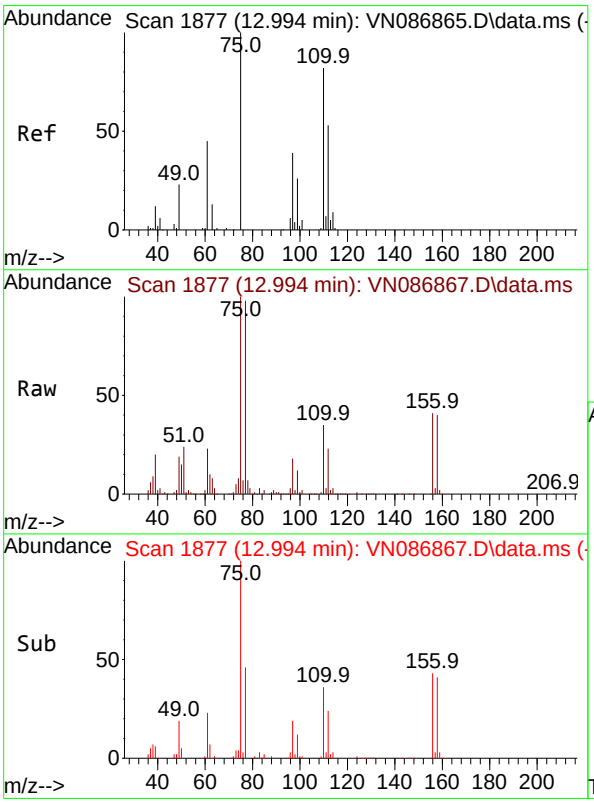
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

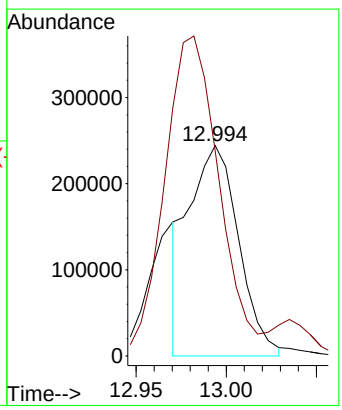
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

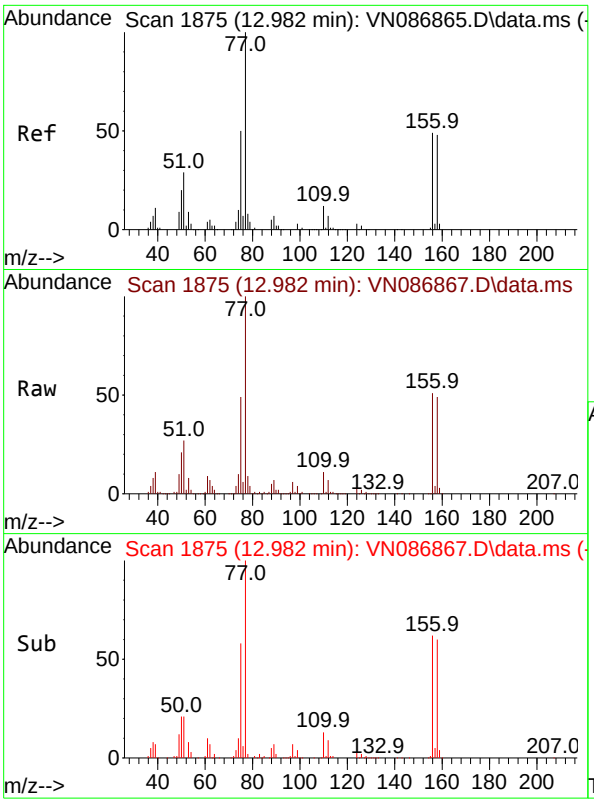


#76
1,2,3-Trichloropropane
Concen: 143.665 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 468041

Ion	Ratio	Lower	Upper
75	100		
77	166.0	79.3	237.9

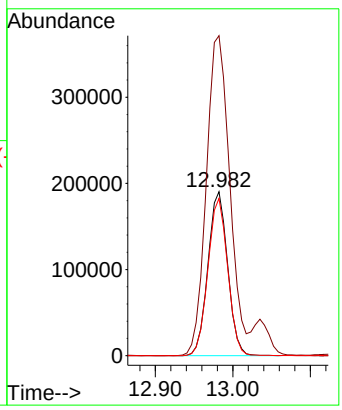




#77
Bromobenzene
Concen: 147.077 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:156 Resp: 33573

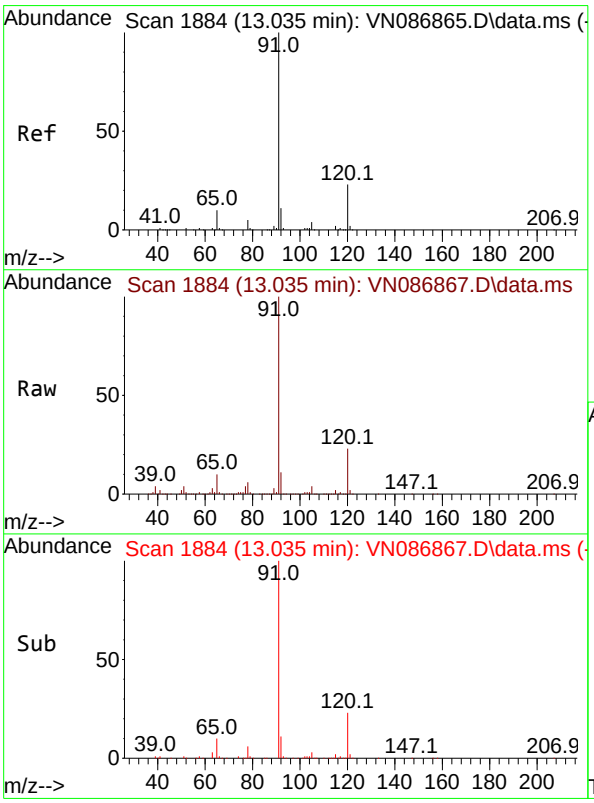
Ion	Ratio	Lower	Upper
156	100		
77	231.5	117.7	353.1
158	96.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

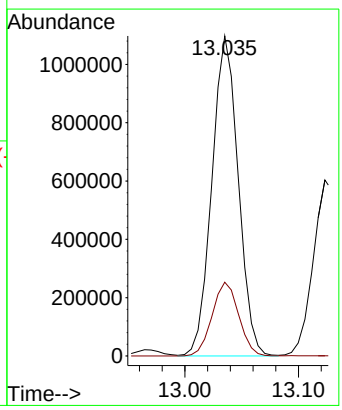
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

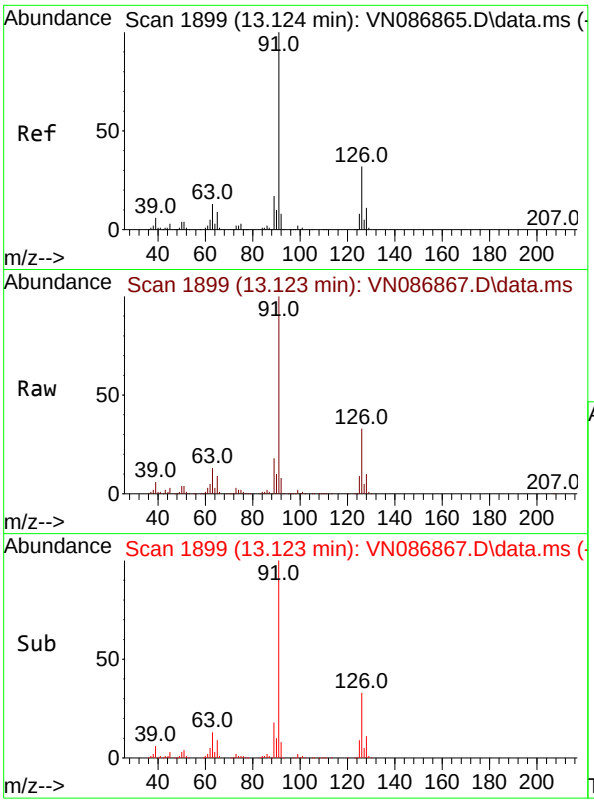


#78
n-propylbenzene
Concen: 146.301 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1769694

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2

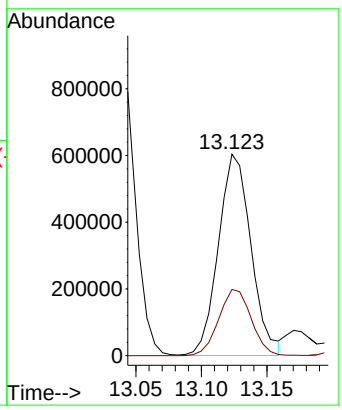




#79
2-Chlorotoluene
Concen: 144.317 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 104691

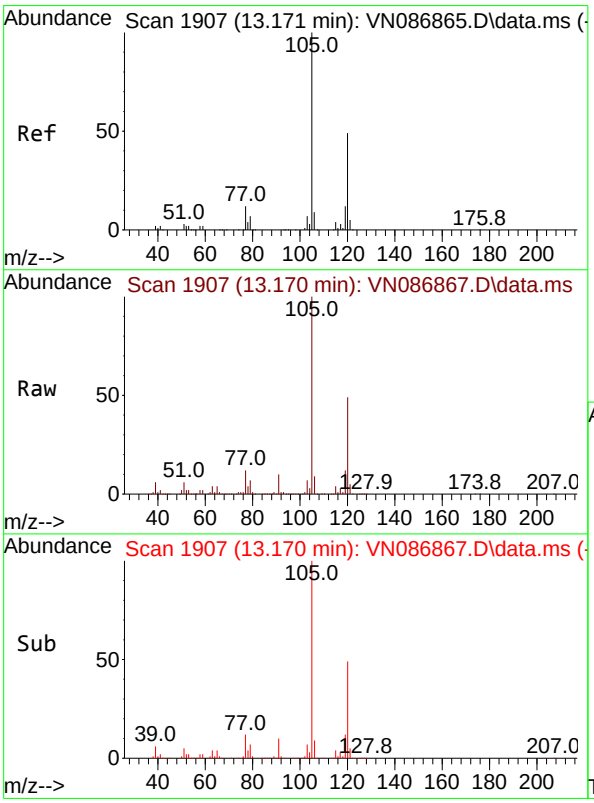
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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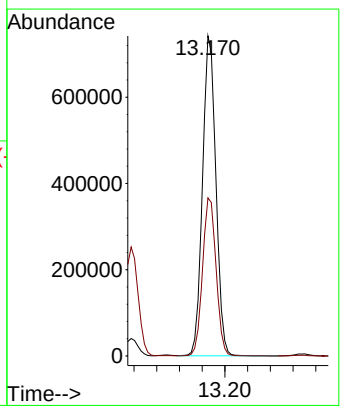
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

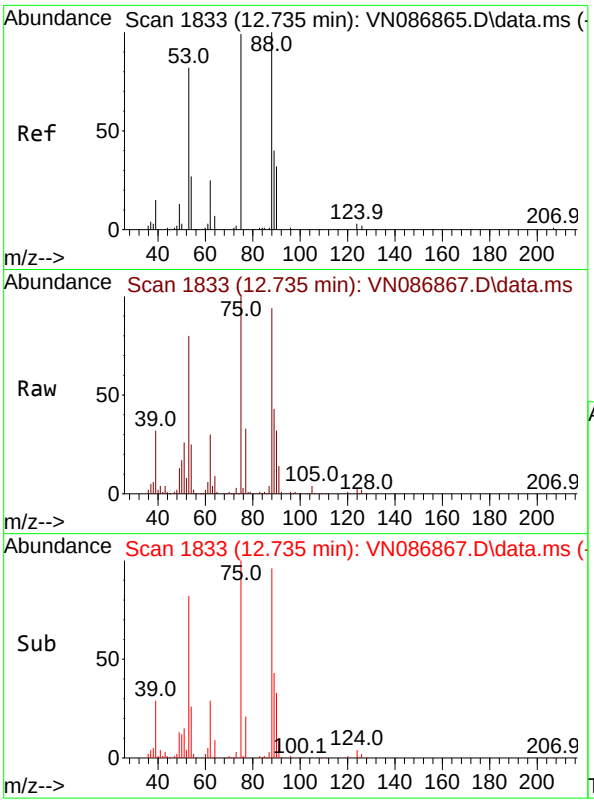


#80
1,3,5-Trimethylbenzene
Concen: 147.279 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1210325

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 153.277 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

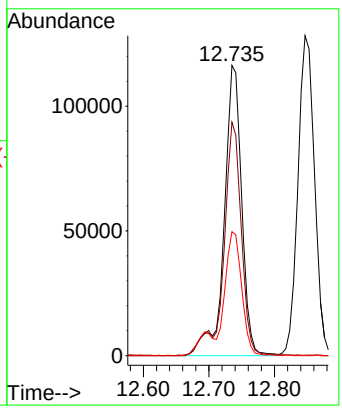
Tgt Ion: 75 Resp: 21625

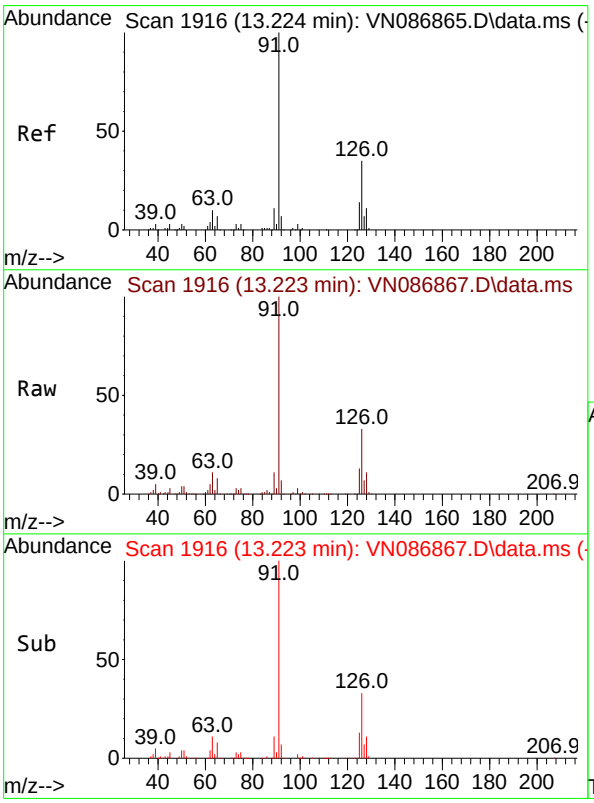
Ion	Ratio	Lower	Upper
75	100		
53	81.3	66.6	99.8
89	40.0	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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

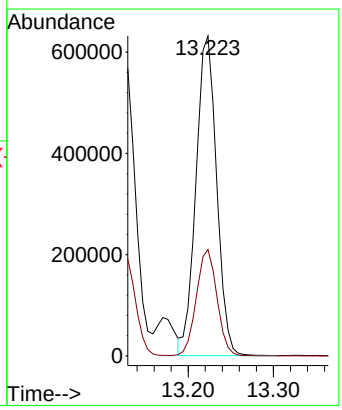


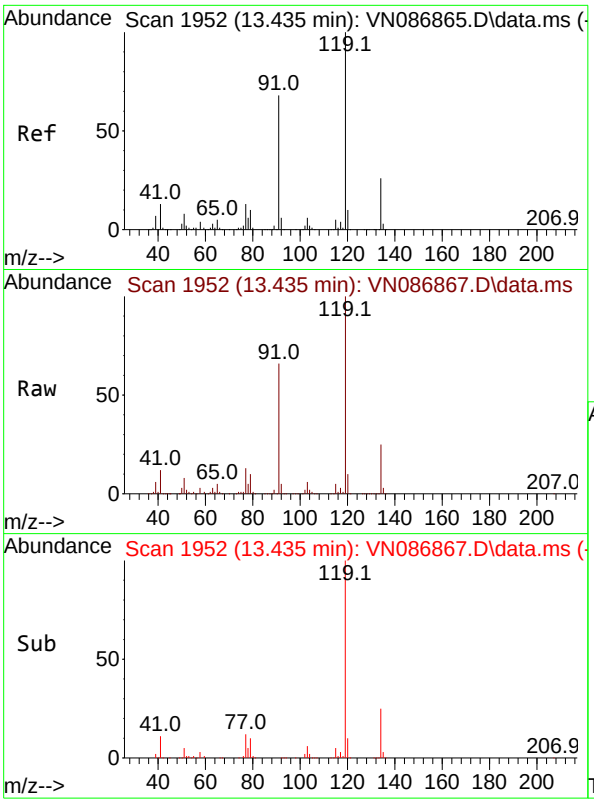


#82
4-Chlorotoluene
Concen: 144.900 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1063581

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1

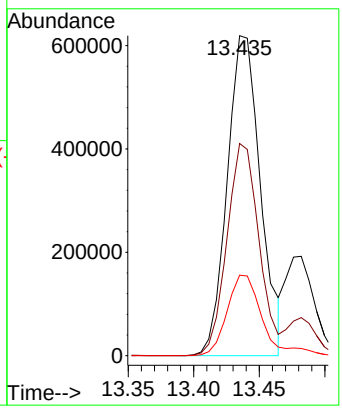




#83
tert-Butylbenzene
Concen: 145.352 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 109340

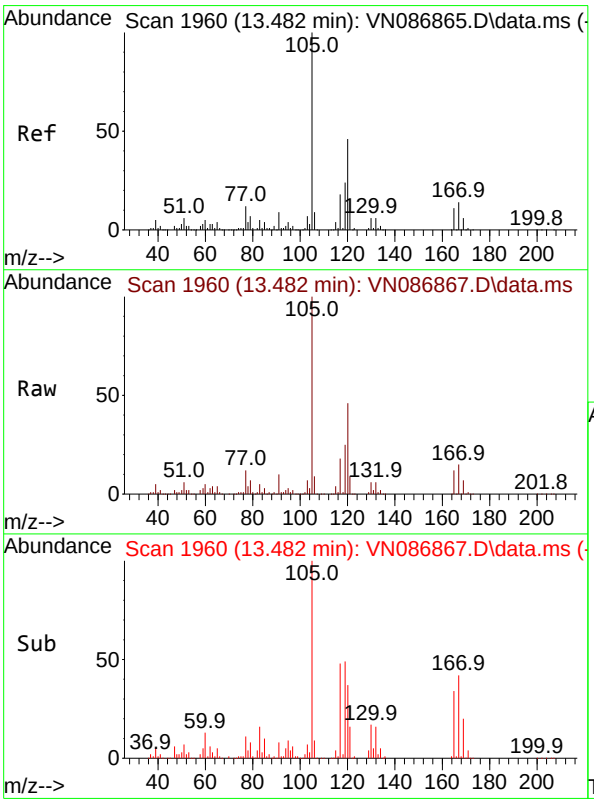
Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.5
134	26.7	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

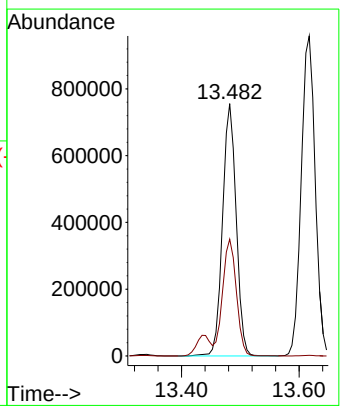
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

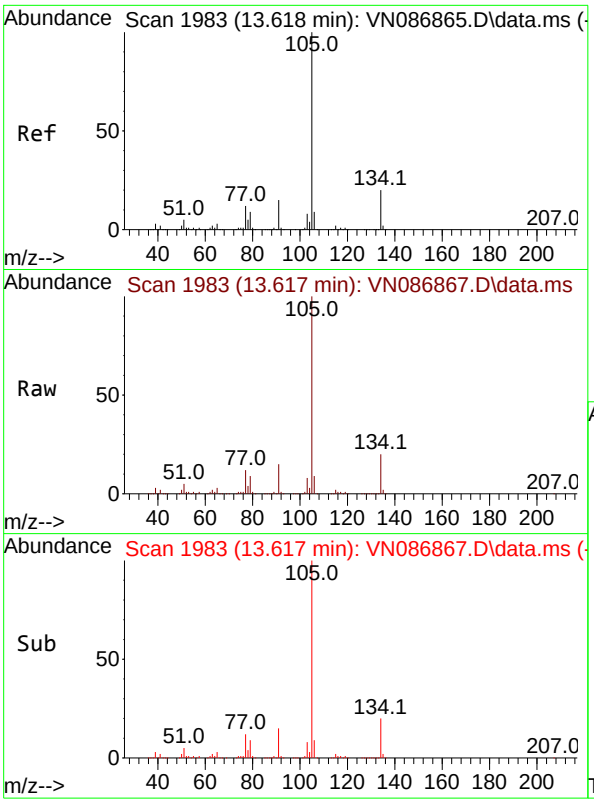


#84
1,2,4-Trimethylbenzene
Concen: 147.626 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1216529

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6

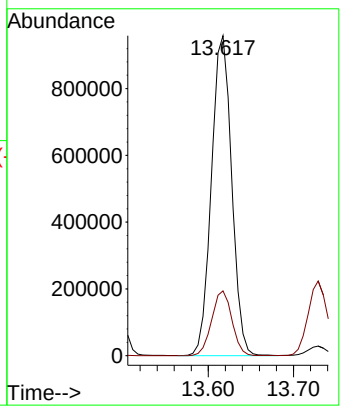




#85
sec-Butylbenzene
Concen: 144.885 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 158276

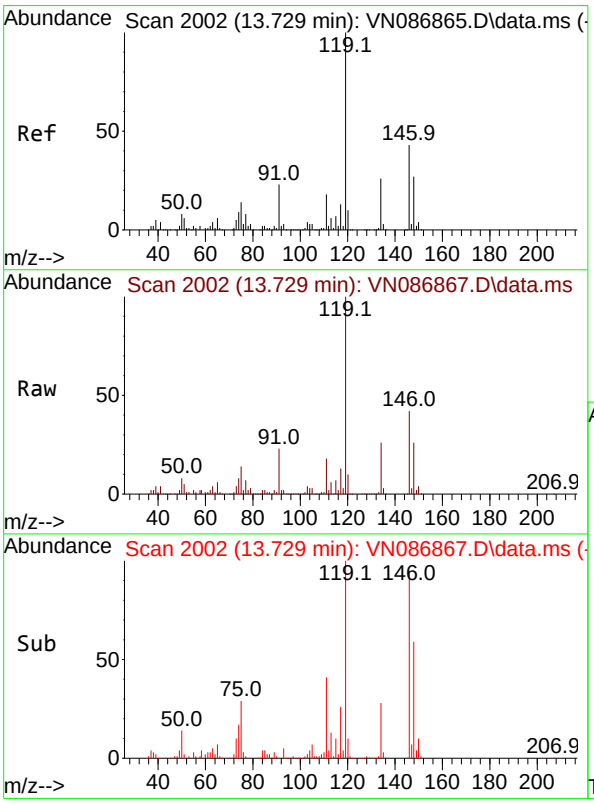
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

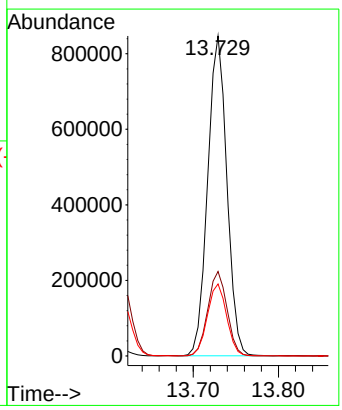
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

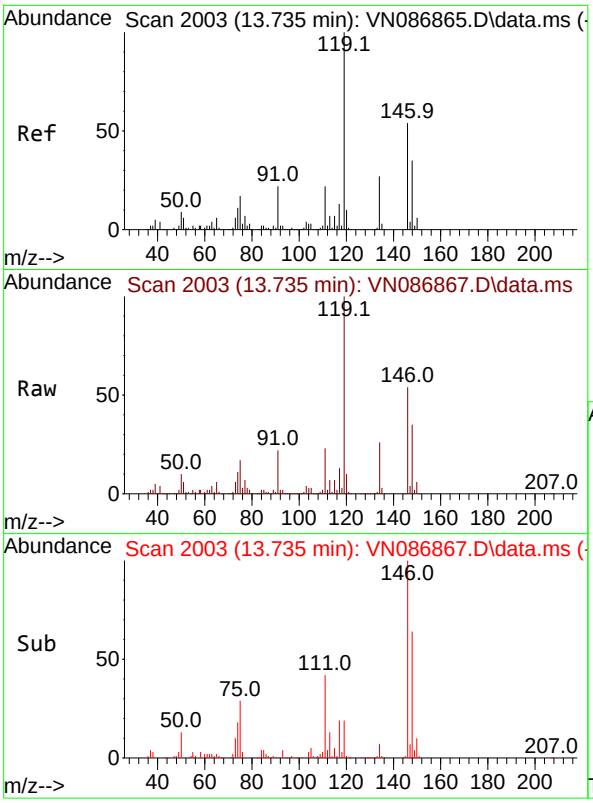


#86
p-Isopropyltoluene
Concen: 146.482 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 1322780

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.7	11.5	34.4

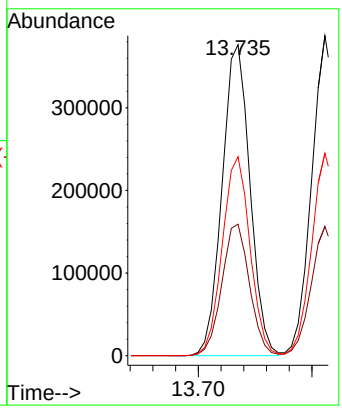




#87
1,3-Dichlorobenzene
Concen: 142.939 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 64196

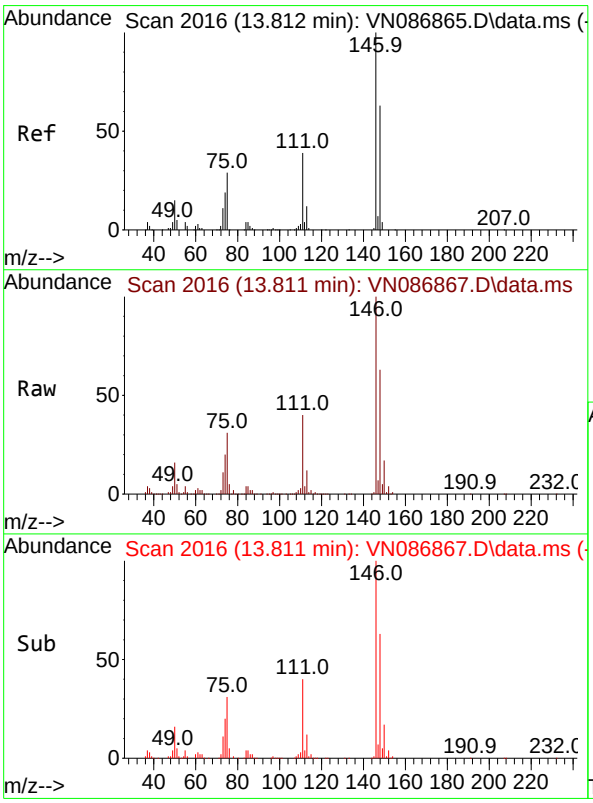
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

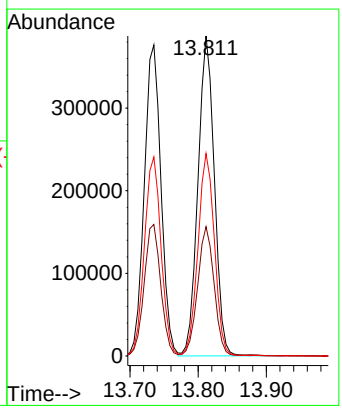
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

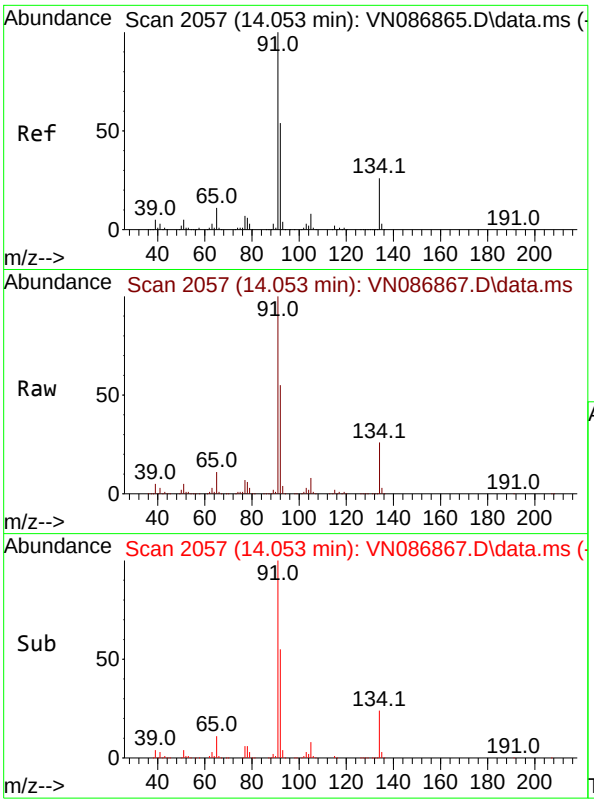


#88
1,4-Dichlorobenzene
Concen: 141.124 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 646188

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.2	31.8	95.4

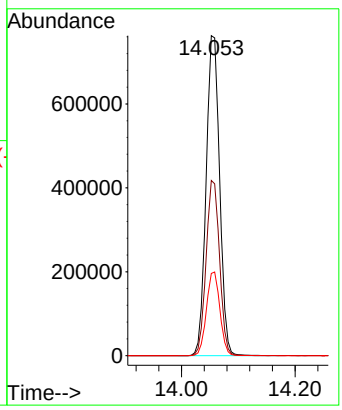




#89
n-Butylbenzene
Concen: 143.117 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 125181

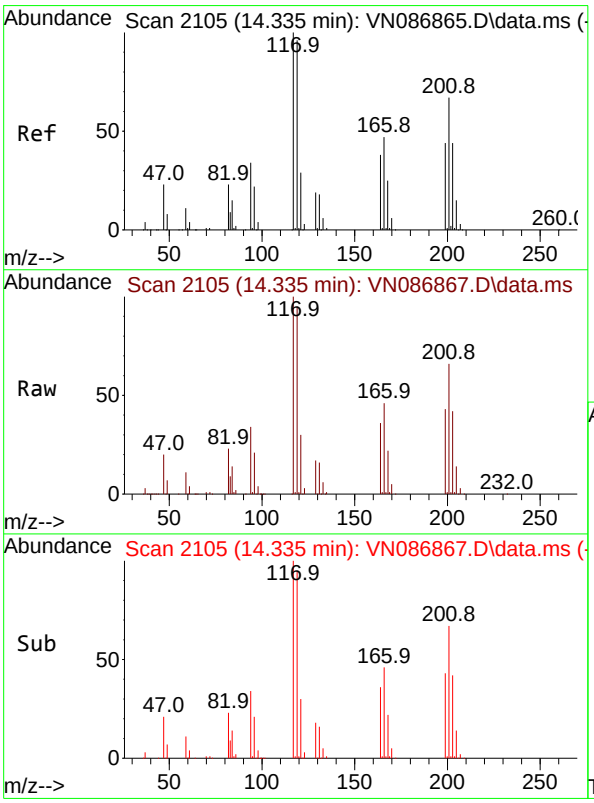
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	26.1	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

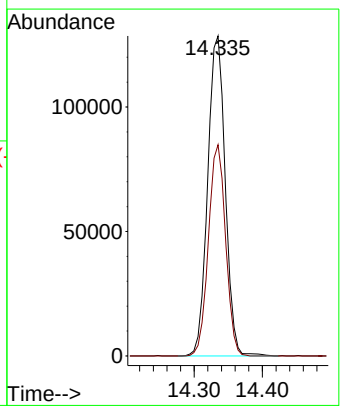
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

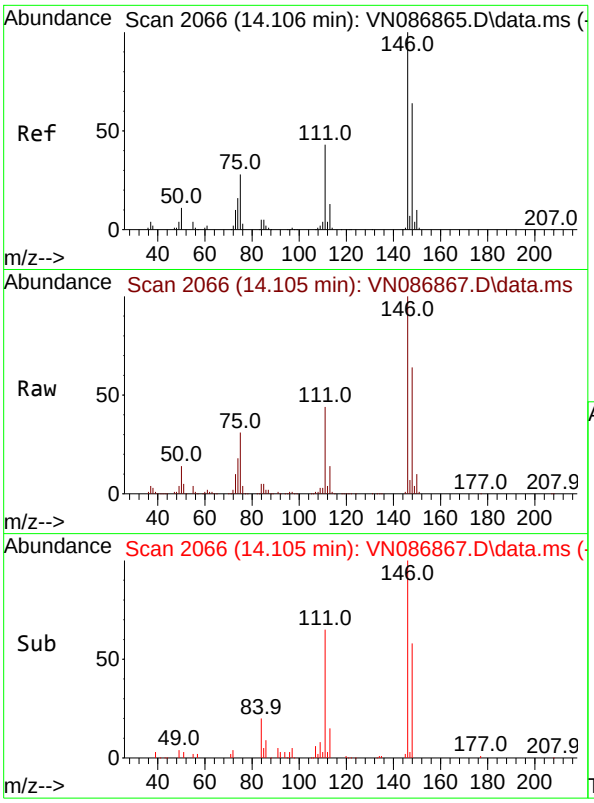


#90
Hexachloroethane
Concen: 150.387 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 230195

Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.2	99.6

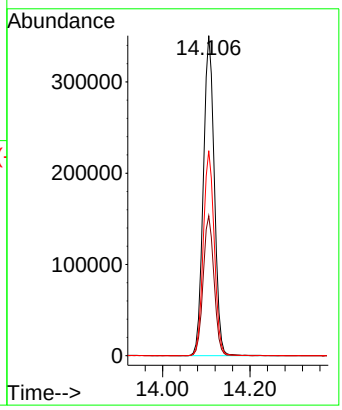




#91
1,2-Dichlorobenzene
Concen: 142.108 ug/l
RT: 14.105 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 61317

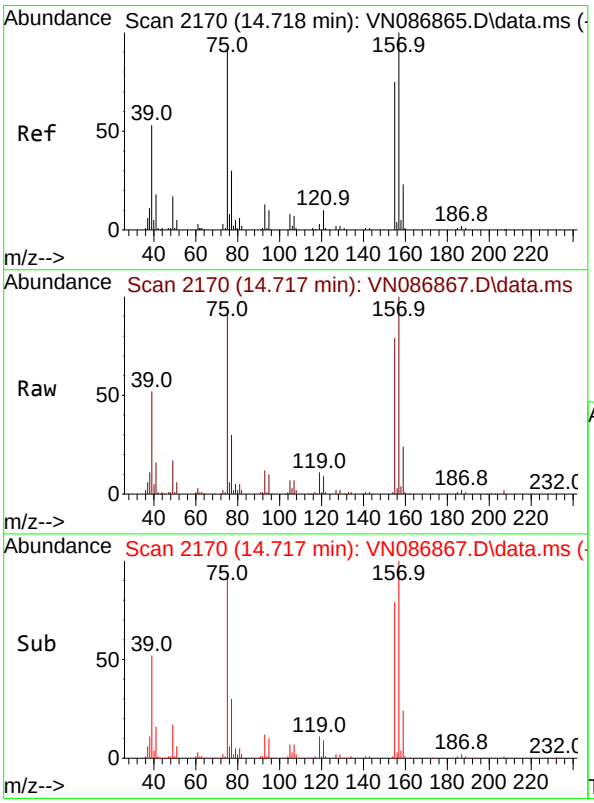
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.8	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

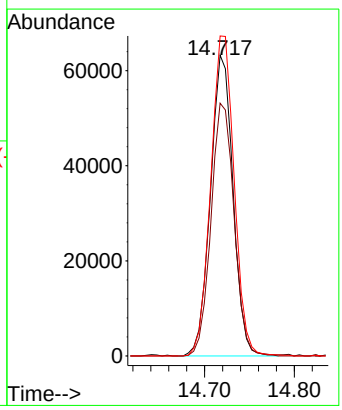
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

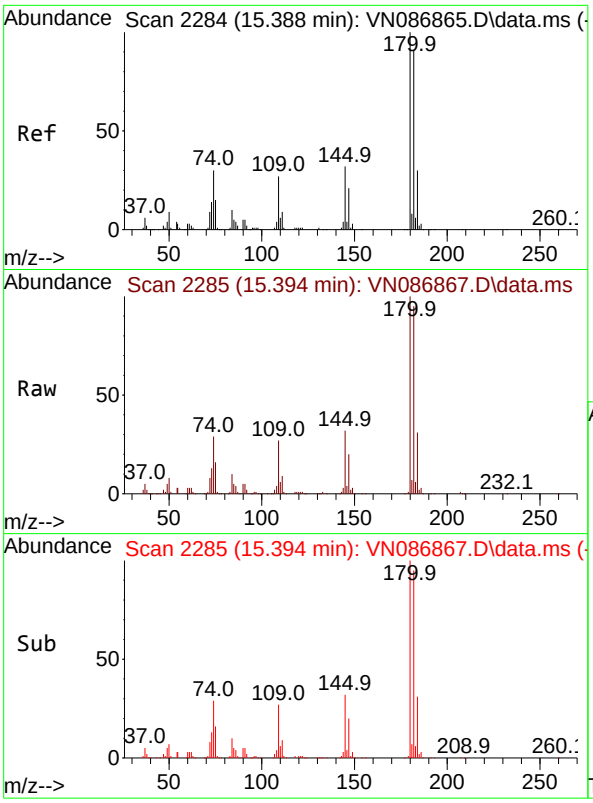


#92
1,2-Dibromo-3-Chloropropane
Concen: 137.242 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 110677

Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.1	123.4
157	110.2	52.7	158.1

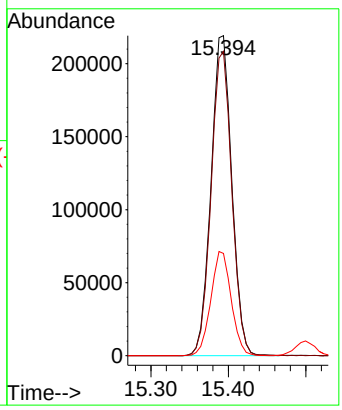




#93
1,2,4-Trichlorobenzene
Concen: 147.940 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 40762

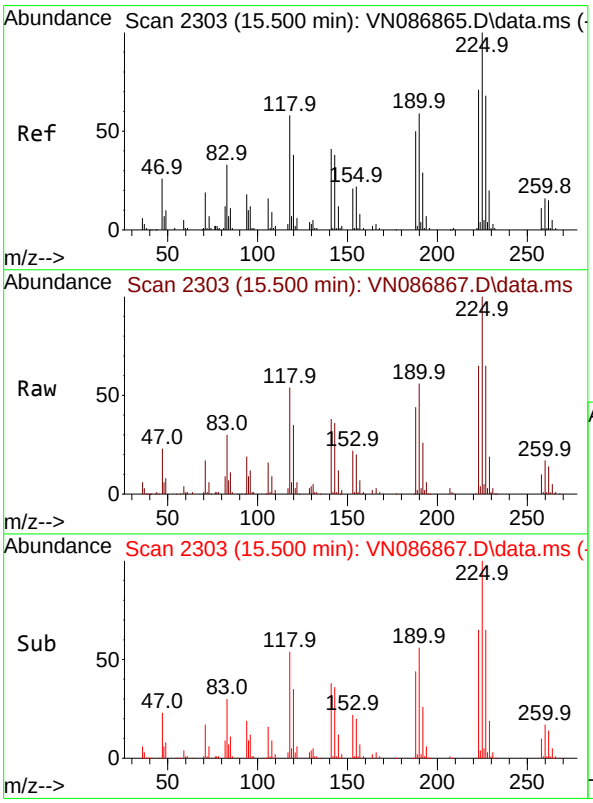
Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.7
145	32.0	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

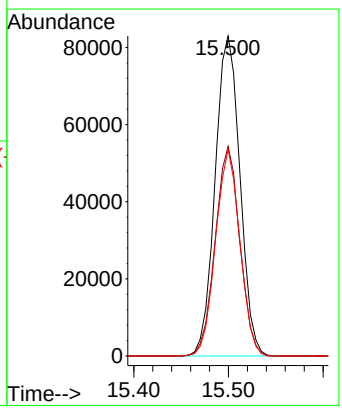
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

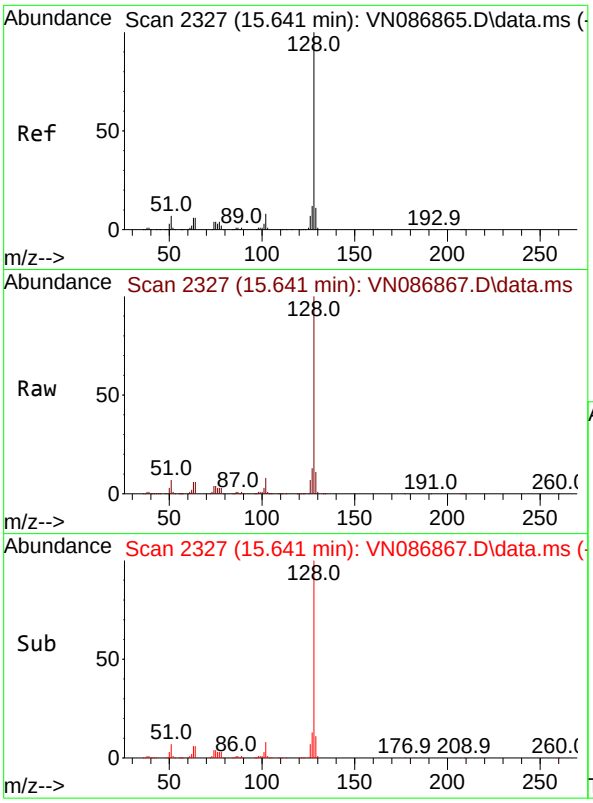


#94
Hexachlorobutadiene
Concen: 147.264 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:225 Resp: 151172

Ion	Ratio	Lower	Upper
225	100		
223	64.8	33.5	100.4
227	63.0	31.1	93.5

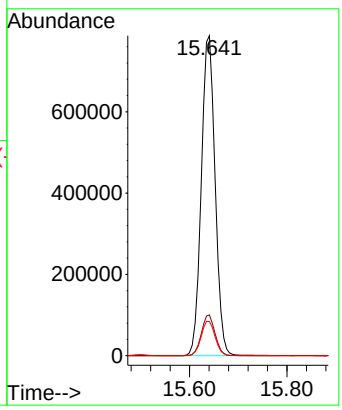




#95
Naphthalene
Concen: 150.743 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:128 Resp: 154598

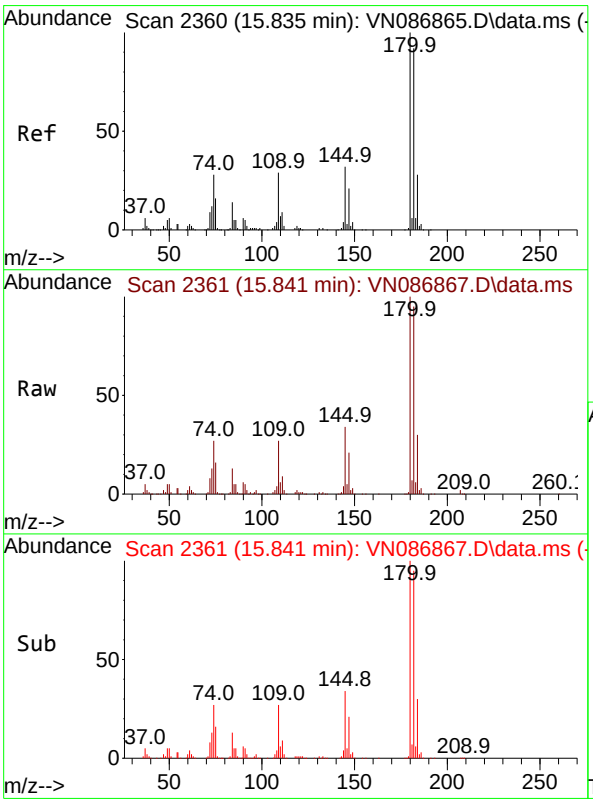
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

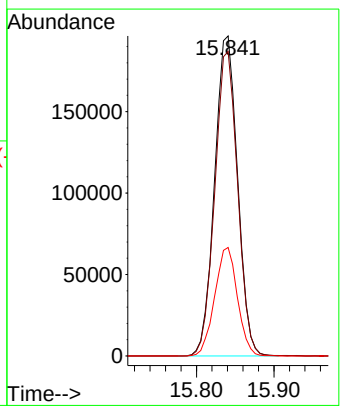
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 147.743 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 404450

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.6	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

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

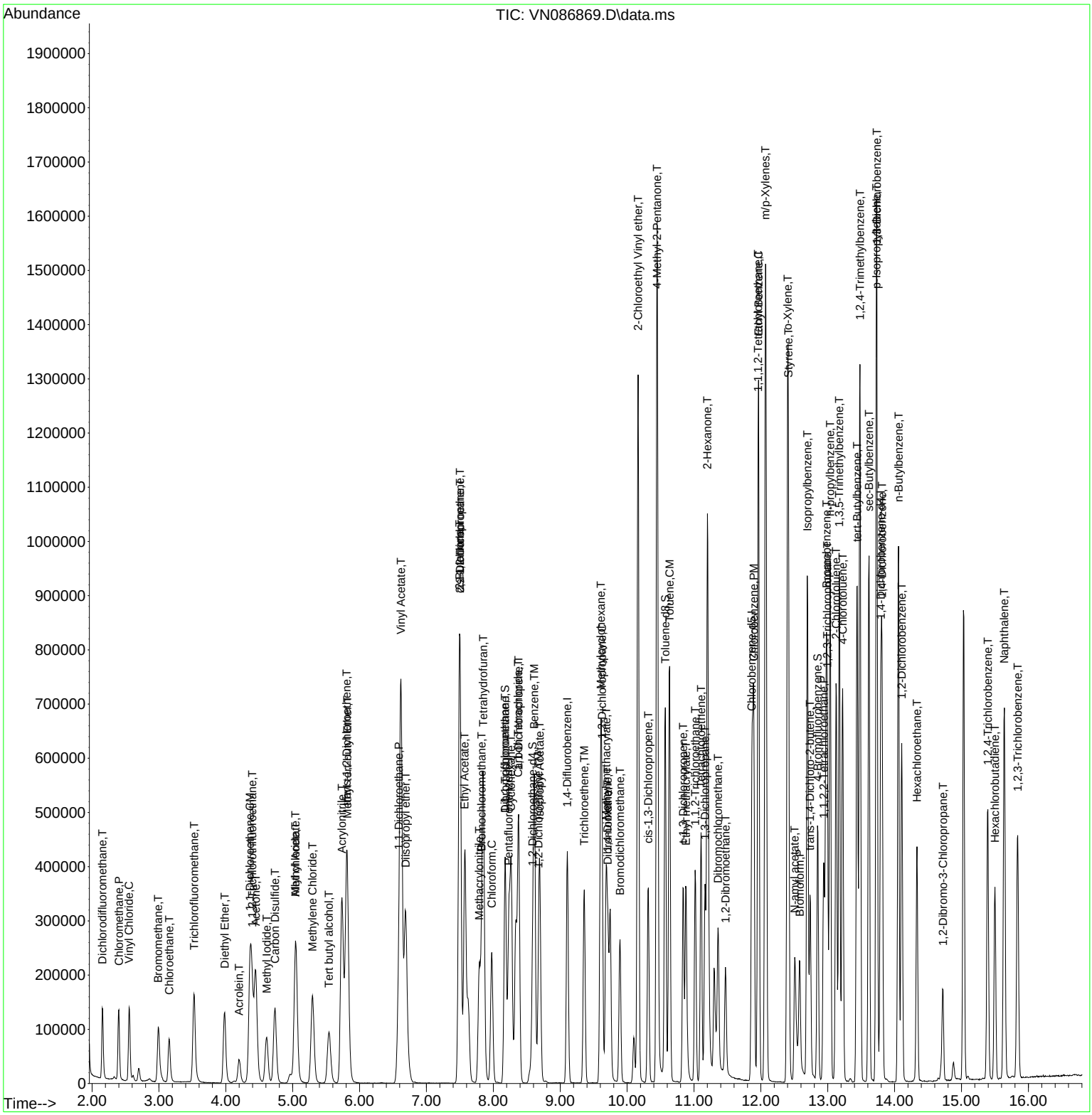
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Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

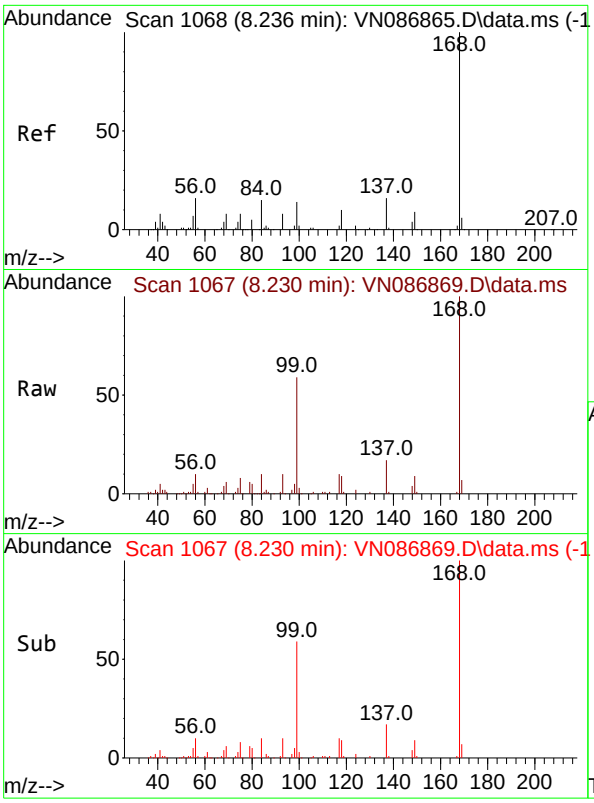
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
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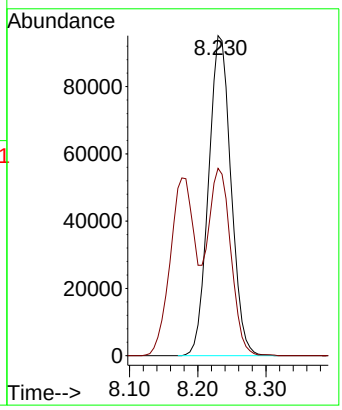




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:168 Resp: 21812

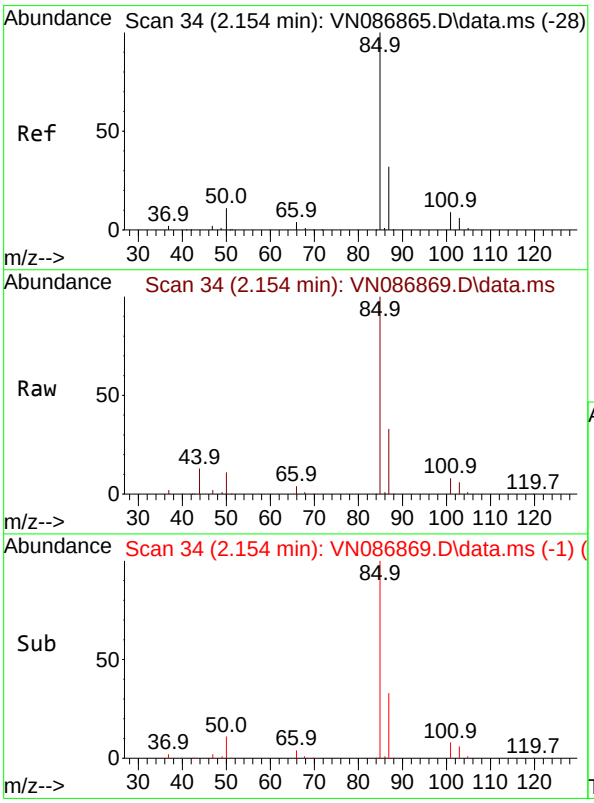
Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

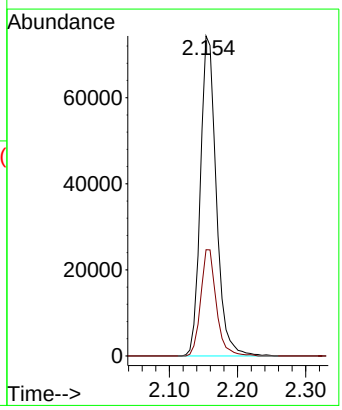
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

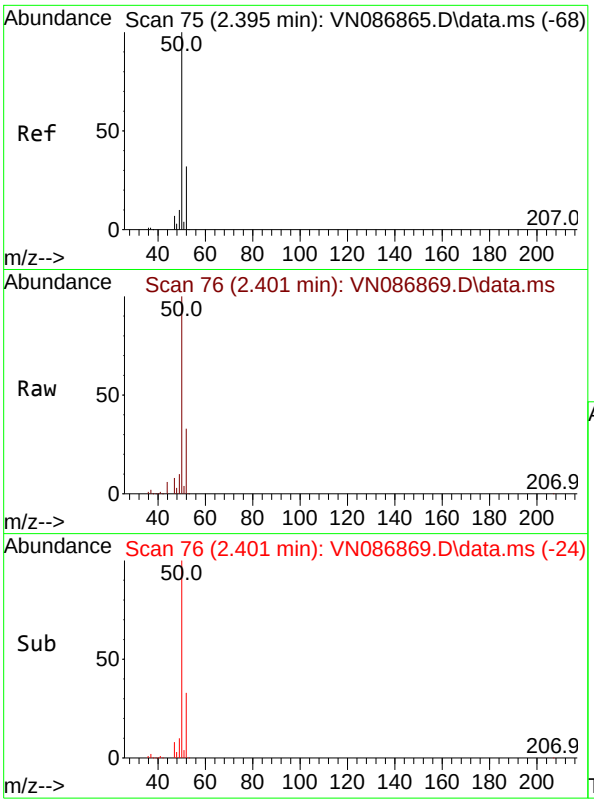


#2
Dichlorodifluoromethane
Concen: 55.286 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 85 Resp: 120237

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.2	48.6

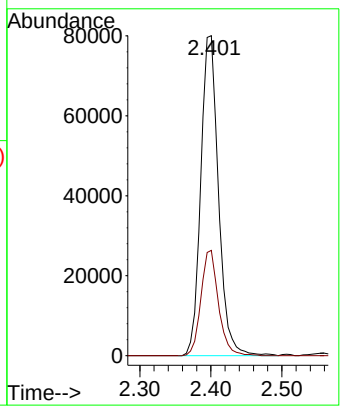




#3
Chloromethane
Concen: 49.505 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 50 Resp: 13902

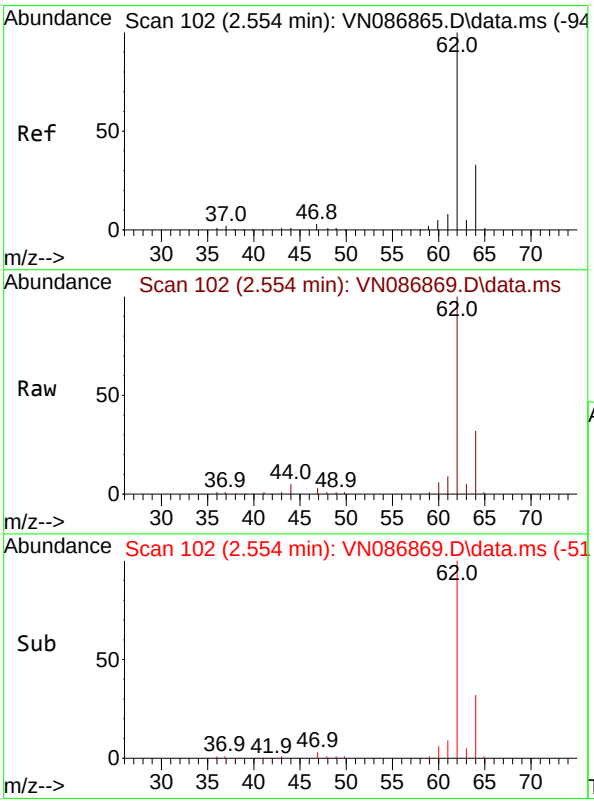
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

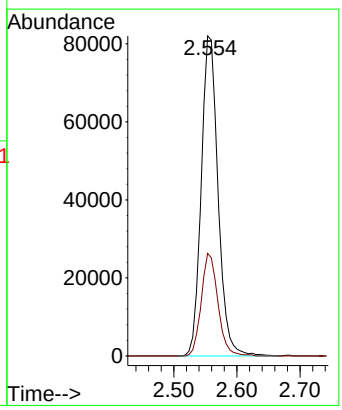
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

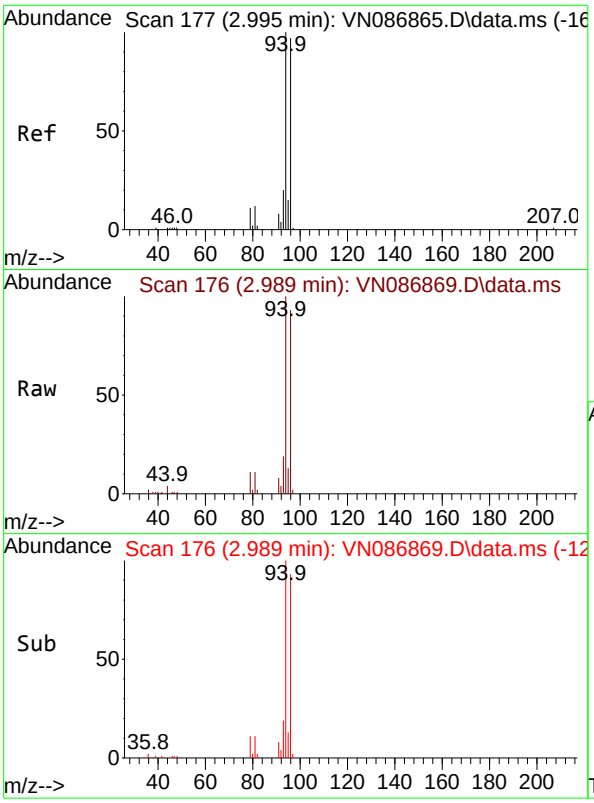


#4
Vinyl Chloride
Concen: 52.451 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 151951

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.0	39.0

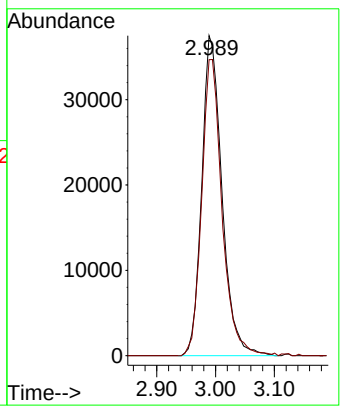




#5
Bromomethane
Concen: 55.292 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 94 Resp: 8963

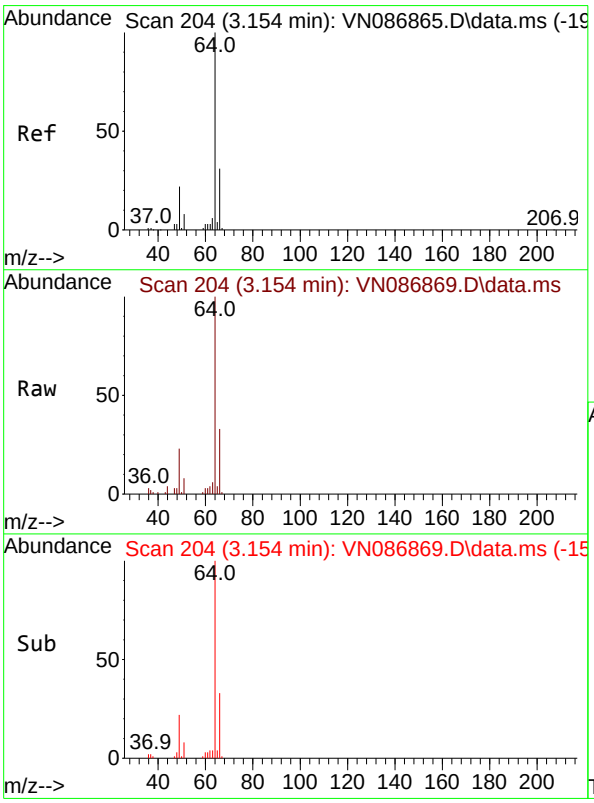
Ion	Ratio	Lower	Upper
94	100		
96	92.5	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

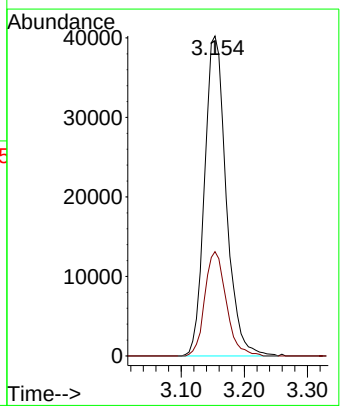
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

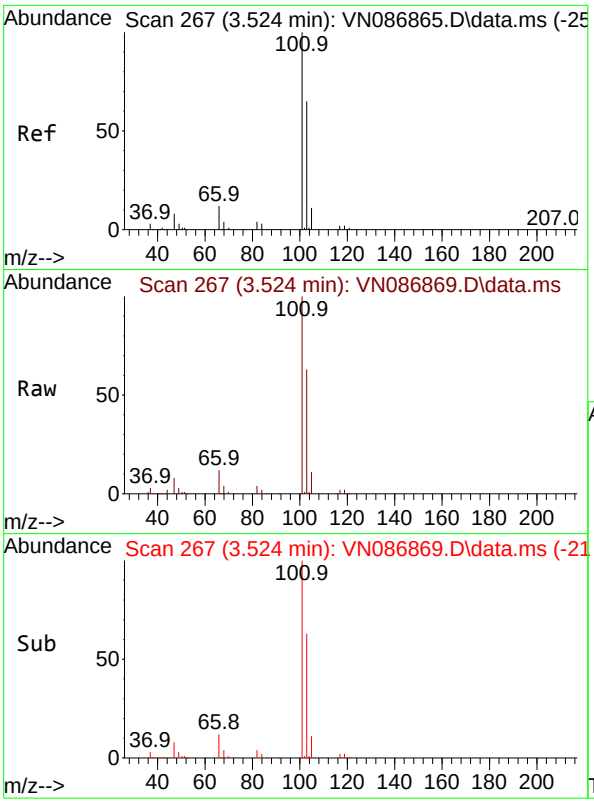


#6
Chloroethane
Concen: 51.117 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 64 Resp: 95654

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8

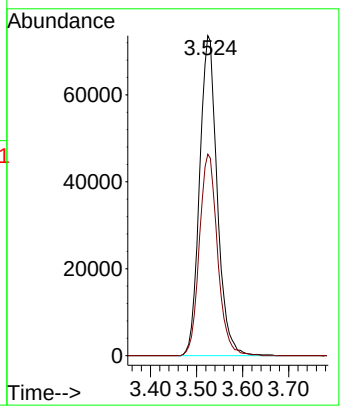




#7
Trichlorofluoromethane
Concen: 51.819 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:101 Resp: 19613

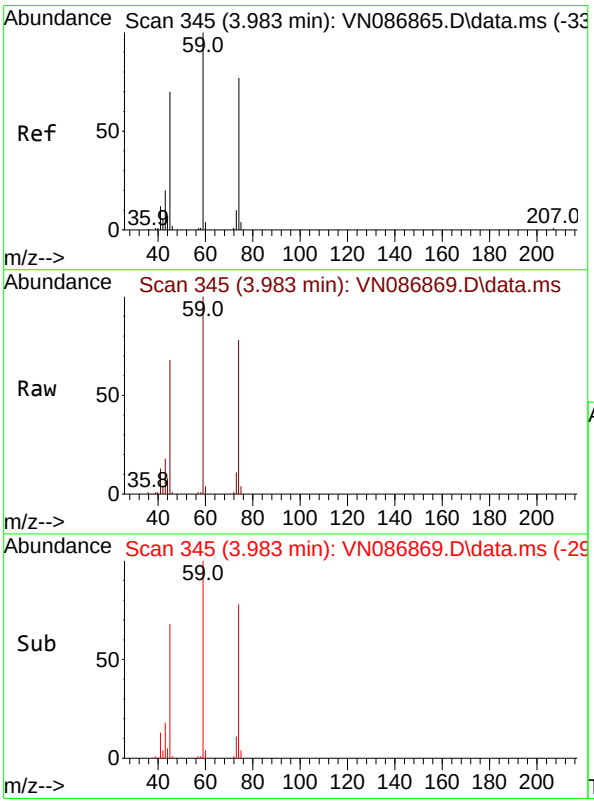
Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

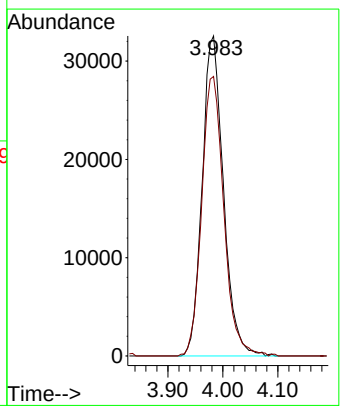
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

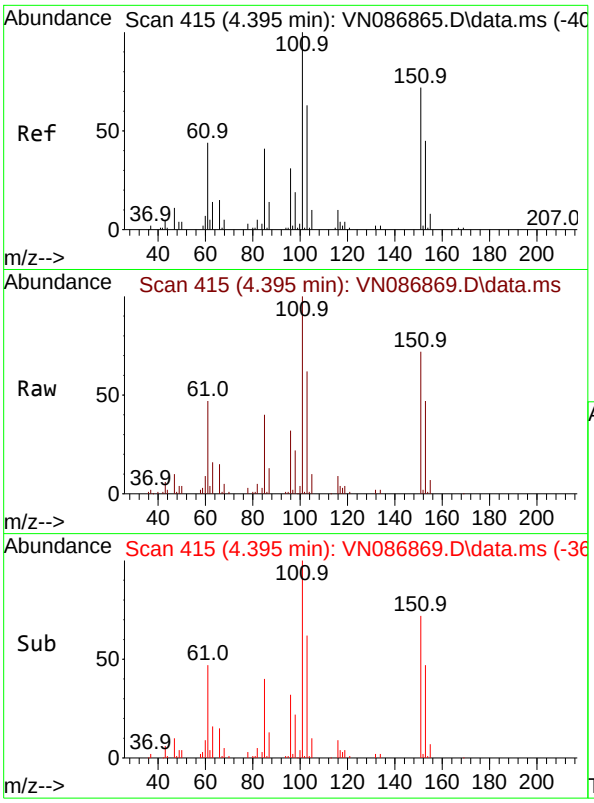


#8
Diethyl Ether
Concen: 53.001 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 74 Resp: 87405

Ion	Ratio	Lower	Upper
74	100		
45	90.9	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.615 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

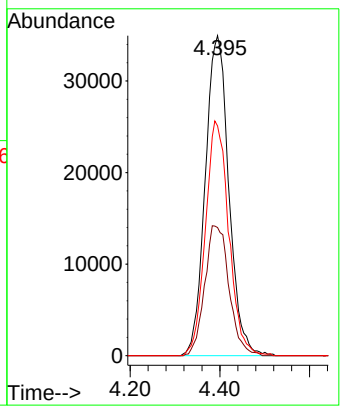
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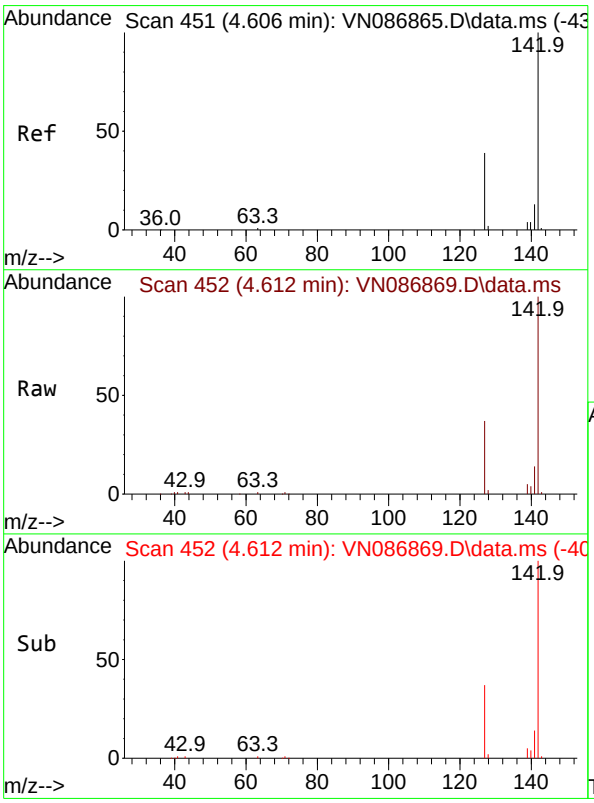
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.8
151	72.8	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

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

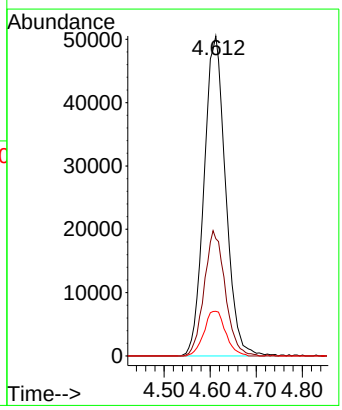


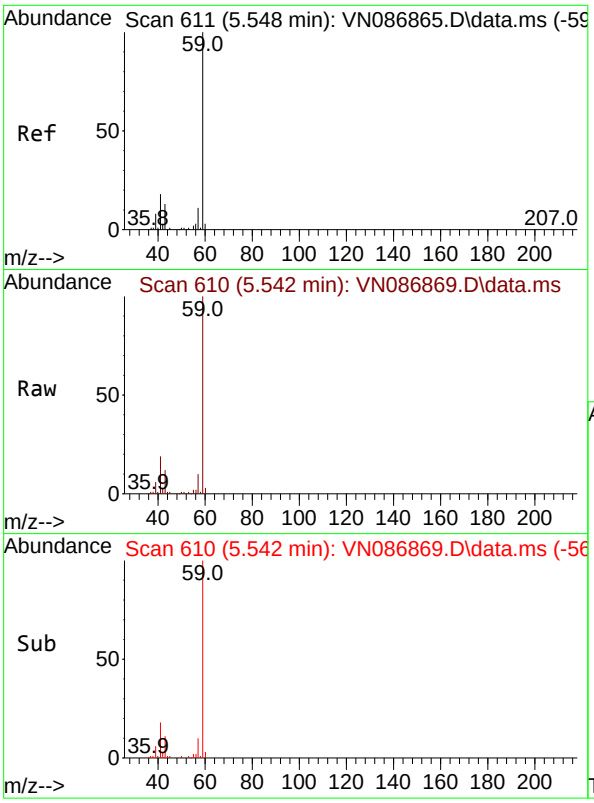


#10
Methyl Iodide
Concen: 53.227 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:142 Resp: 164080

Ion	Ratio	Lower	Upper
142	100		
127	36.6	30.9	46.3
141	14.0	10.4	15.6

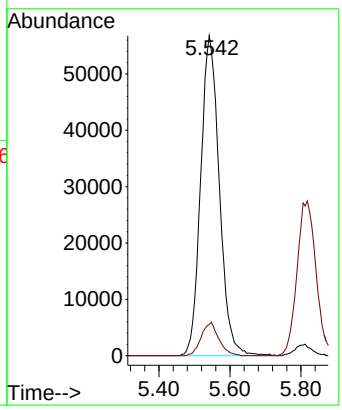




#11
Tert butyl alcohol
Concen: 262.193 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 59 Resp: 20776

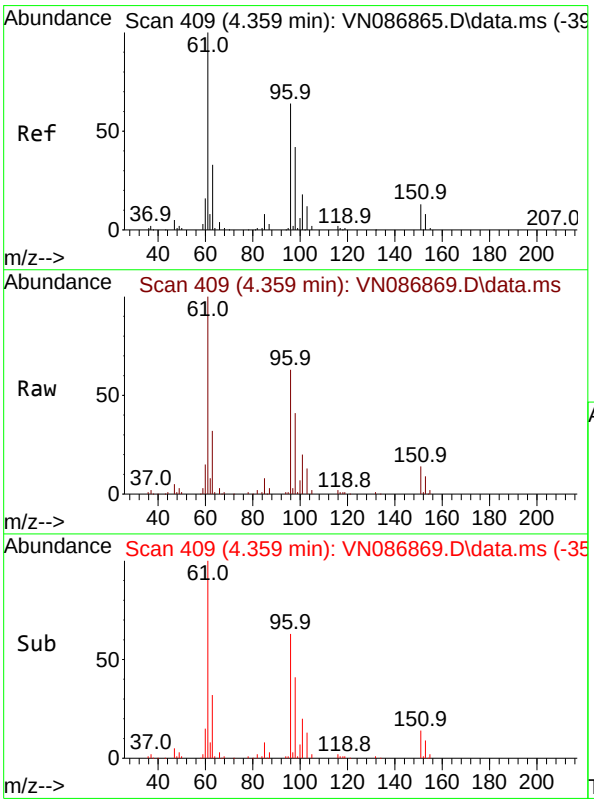
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

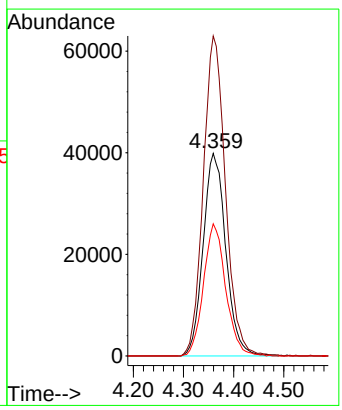
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

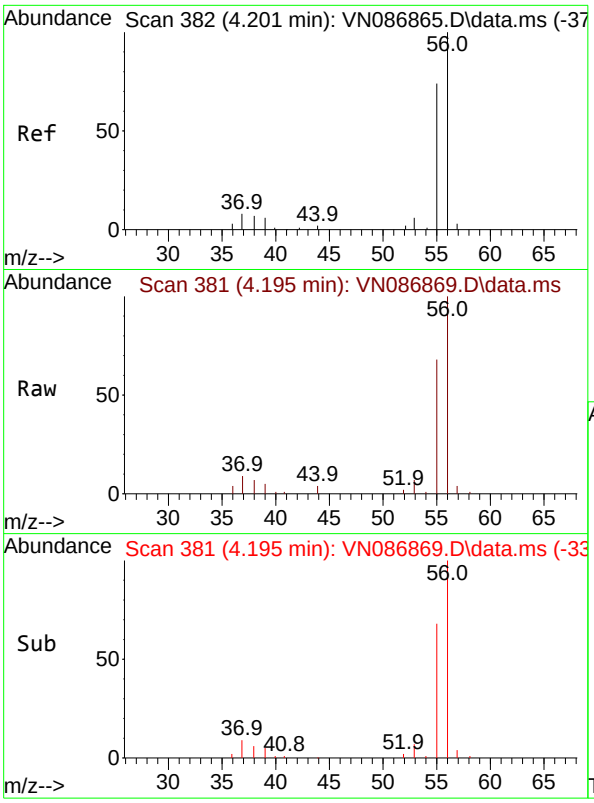


#12
1,1-Dichloroethene
Concen: 51.678 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 125461

Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.8	188.6
98	65.2	52.5	78.7

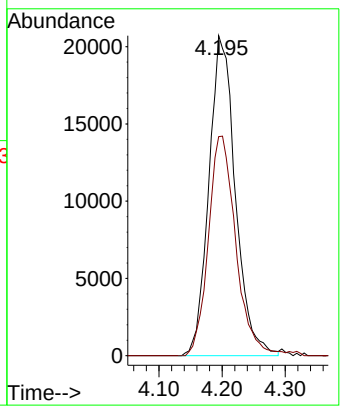




#13
Acrolein
Concen: 240.545 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 56 Resp: 6033

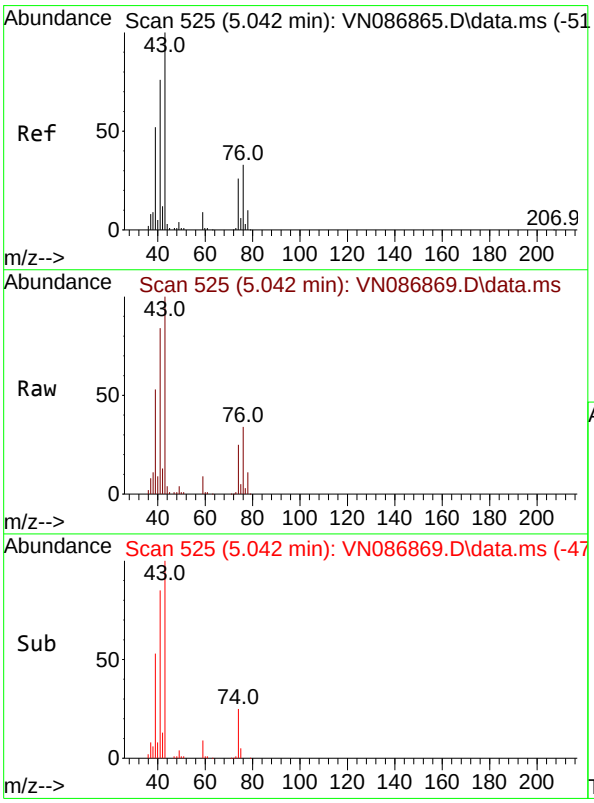
Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

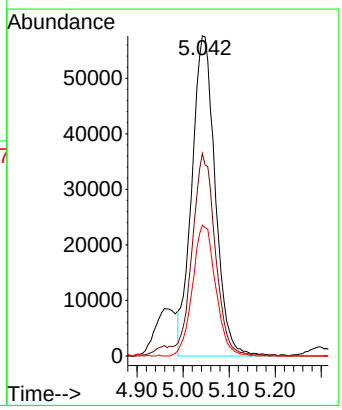
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

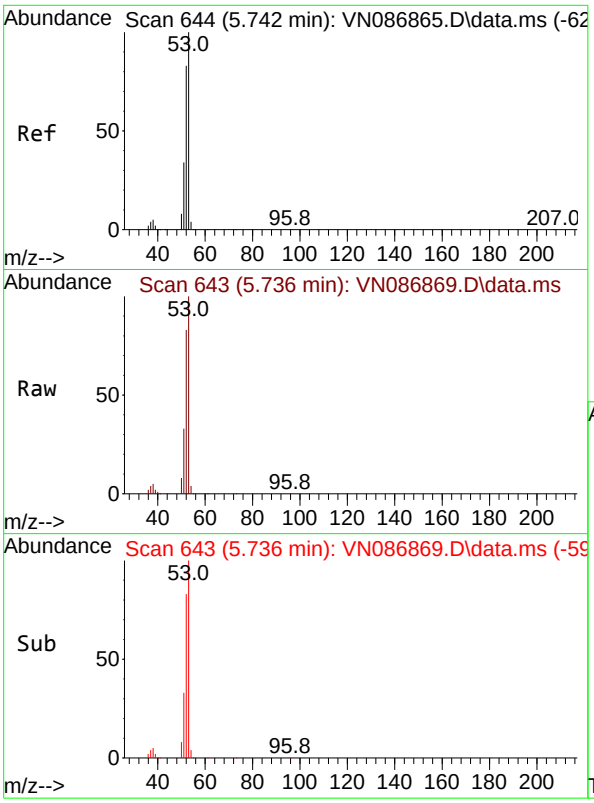


#14
Allyl chloride
Concen: 50.504 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 203344

Ion	Ratio	Lower	Upper
41	100		
39	62.3	51.3	76.9
76	40.4	31.4	47.0

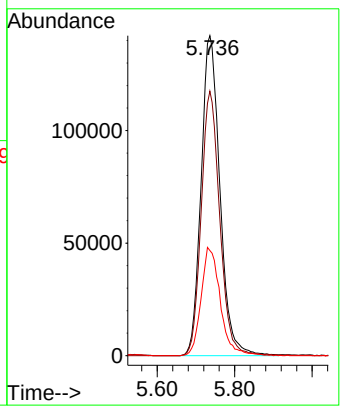




#15
Acrylonitrile
Concen: 258.885 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 53 Resp: 47950

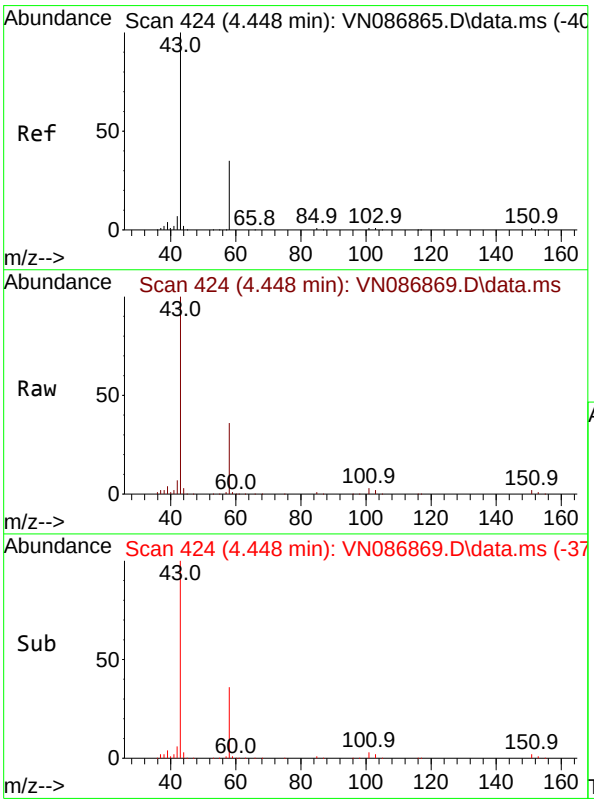
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.5	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

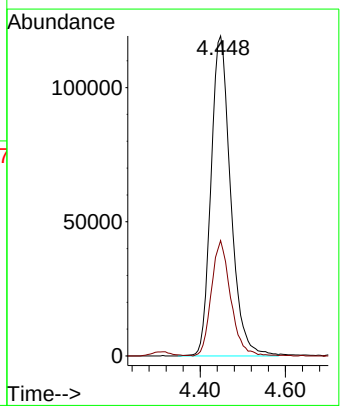
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

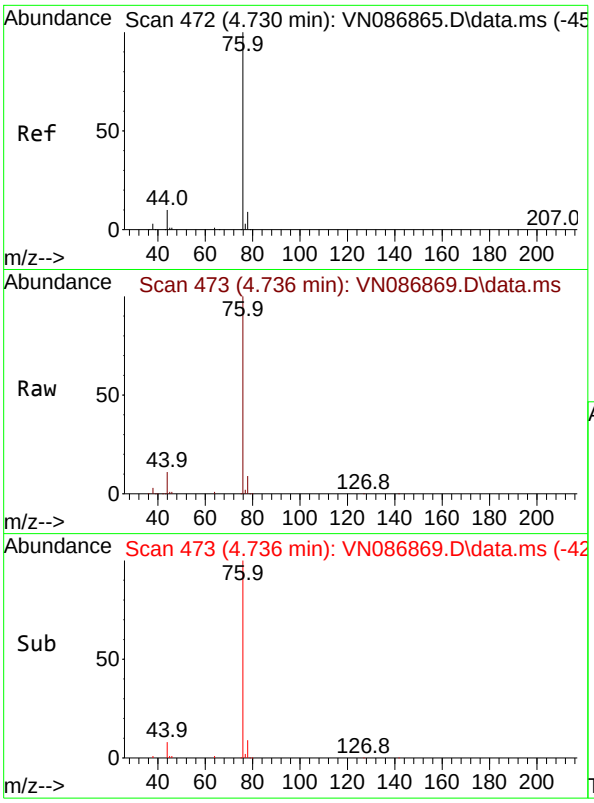


#16
Acetone
Concen: 246.750 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 382146

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0

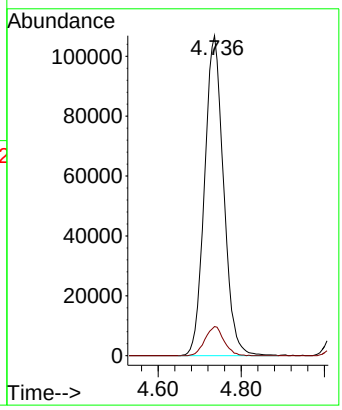




#17
Carbon Disulfide
Concen: 50.550 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 76 Resp: 33946

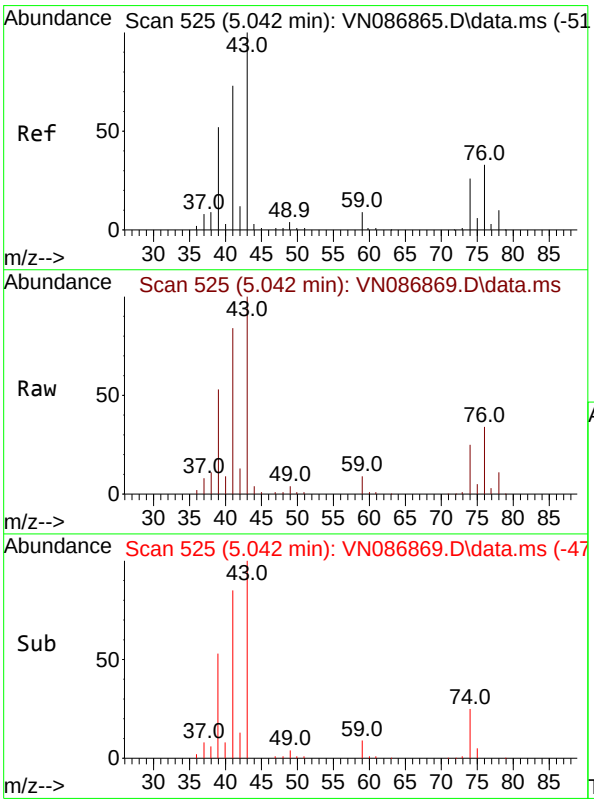
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

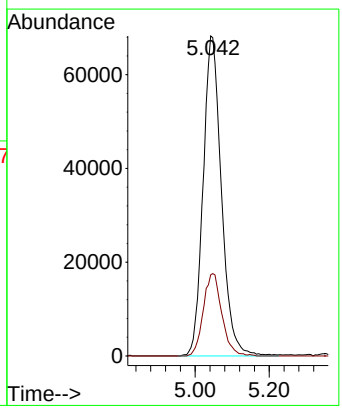
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

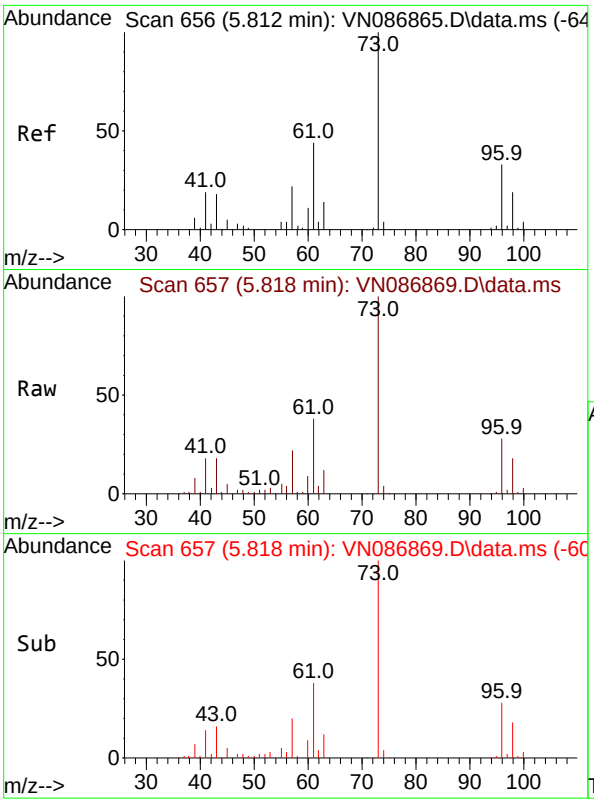


#18
Methyl Acetate
Concen: 51.912 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 234290

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1

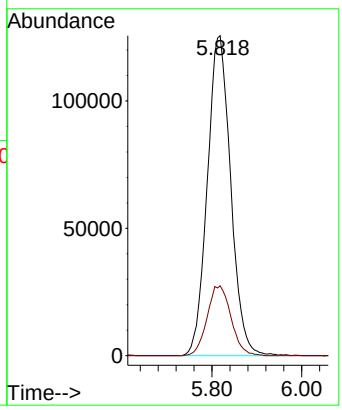




#19
Methyl tert-butyl Ether
Concen: 51.720 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 73 Resp: 45464

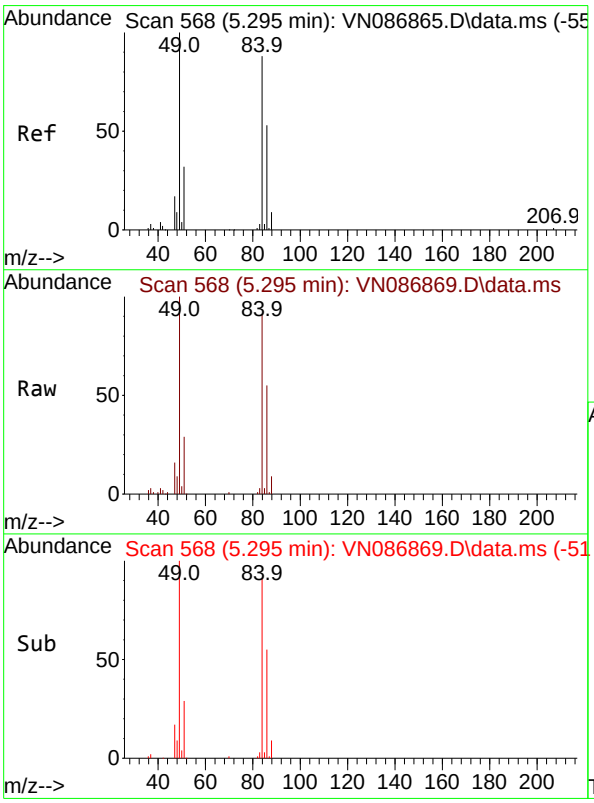
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

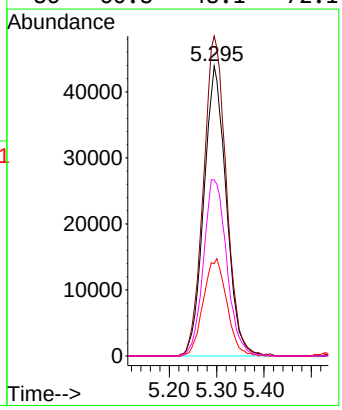
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

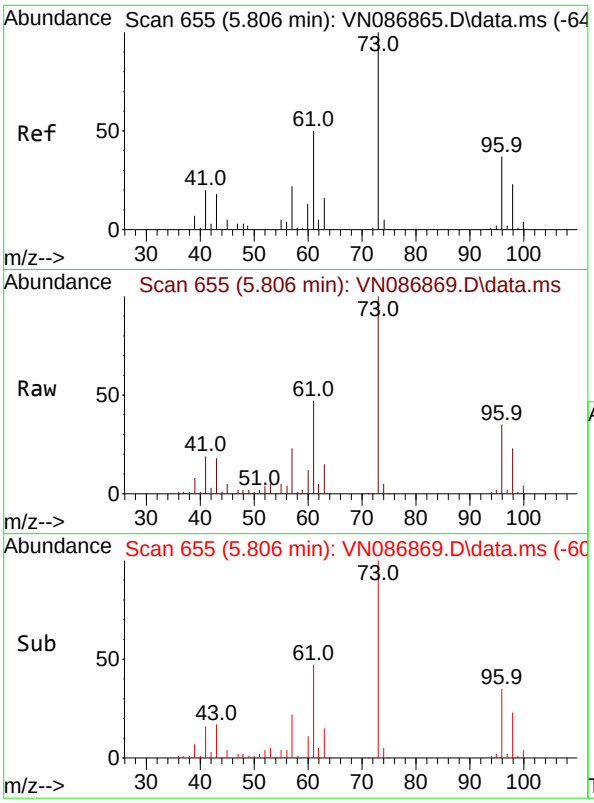


#20
Methylene Chloride
Concen: 49.617 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 84 Resp: 143862

Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.5	135.7
51	31.8	28.5	42.7
86	60.8	48.1	72.1

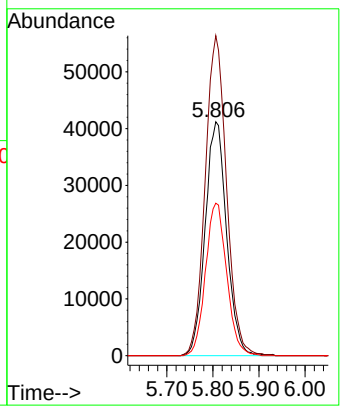




#21
trans-1,2-Dichloroethene
Concen: 49.437 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 13353

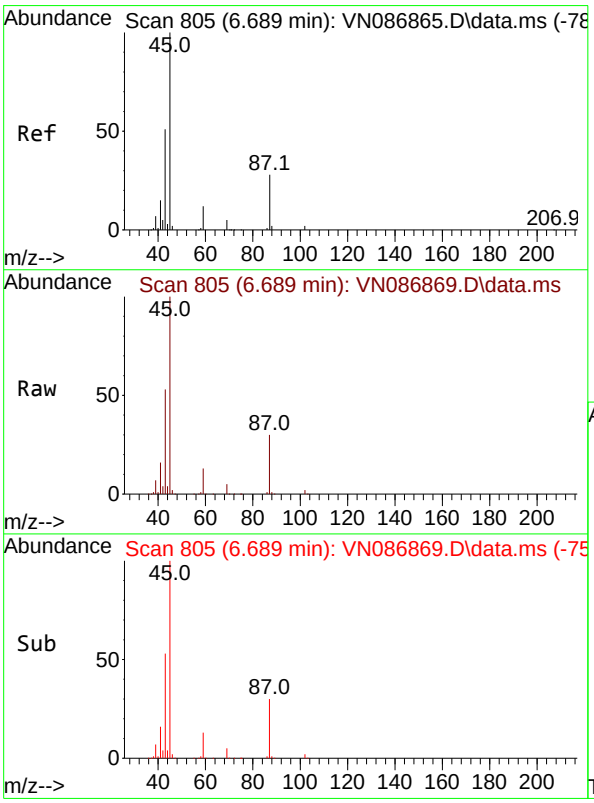
Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.2	163.8
98	65.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

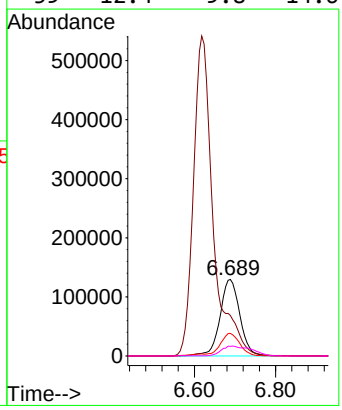
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

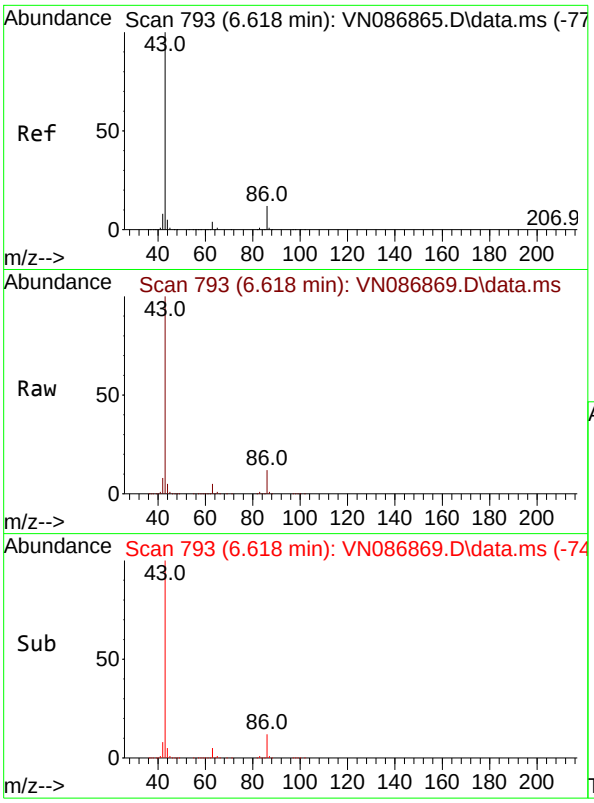


#22
Diisopropyl ether
Concen: 51.853 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 45 Resp: 440080

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	29.5	22.4	33.6
59	12.4	9.8	14.6

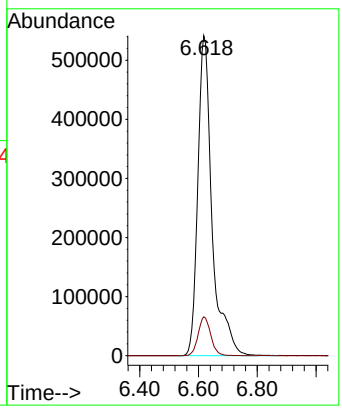




#23
Vinyl Acetate
Concen: 255.055 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 182891

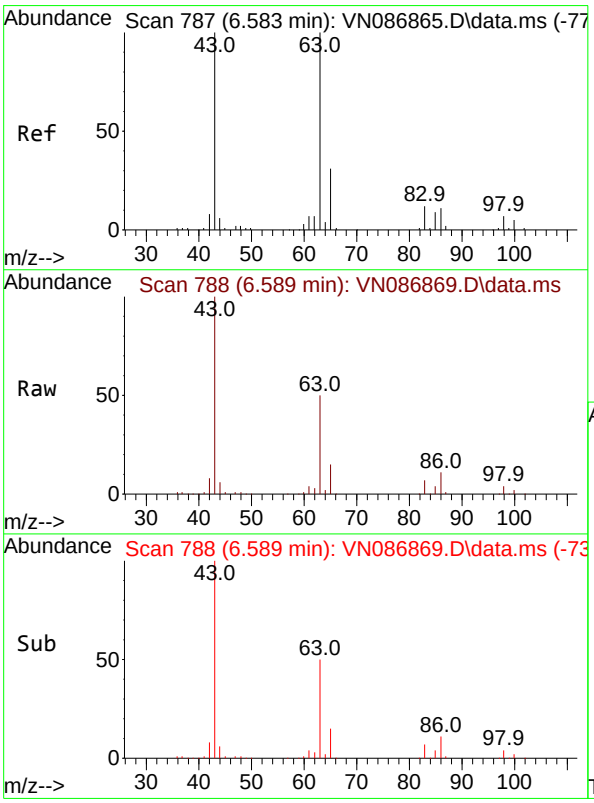
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

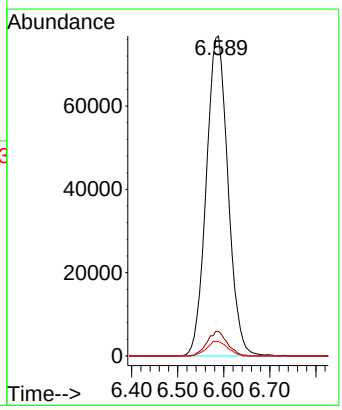
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

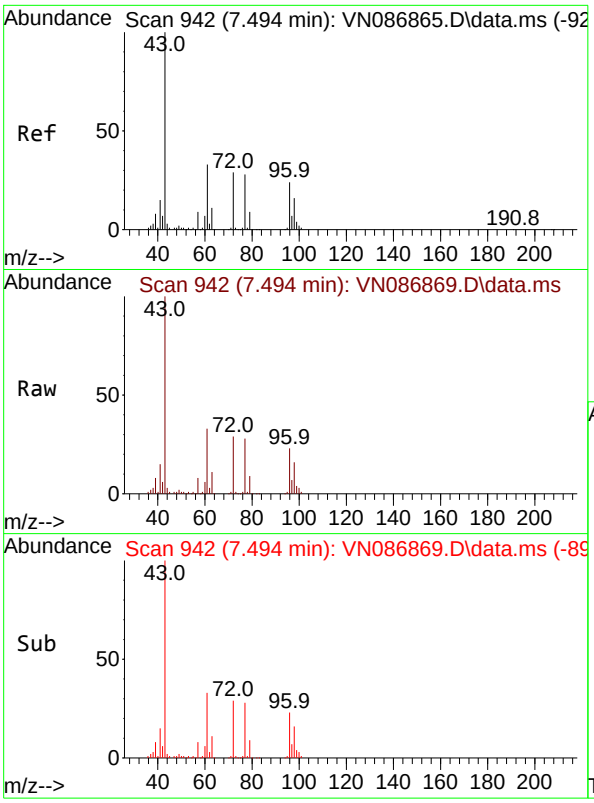


#24
1,1-Dichloroethane
Concen: 51.487 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 251473

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.6	2.6	7.8





#25
2-Butanone
Concen: 255.897 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

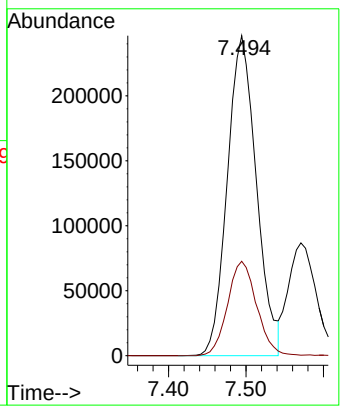
Tgt Ion: 43 Resp: 64419

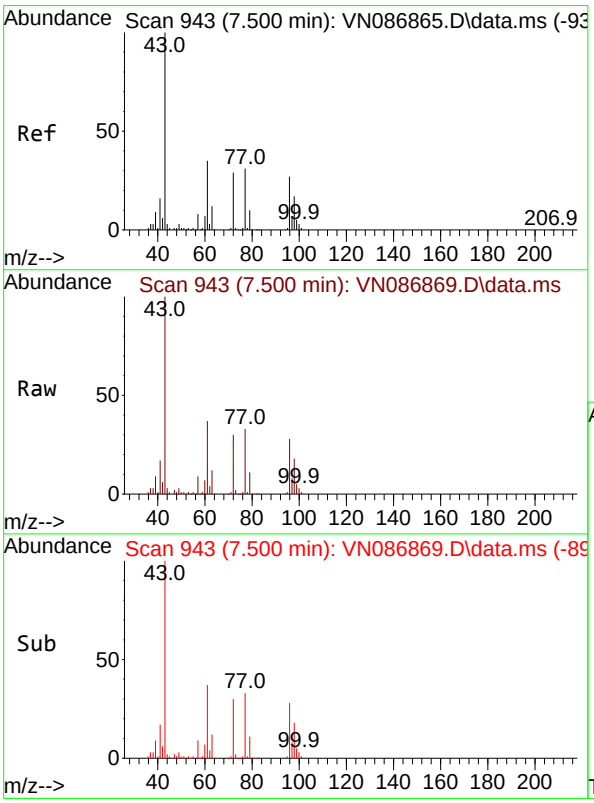
Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

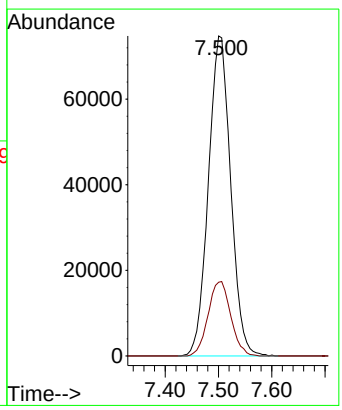


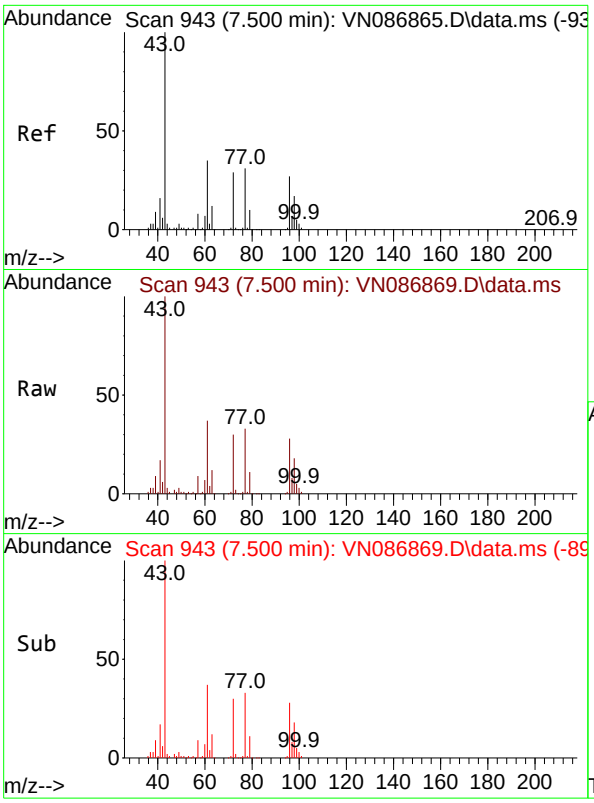


#26
2,2-Dichloropropane
Concen: 57.031 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 77 Resp: 216678

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7

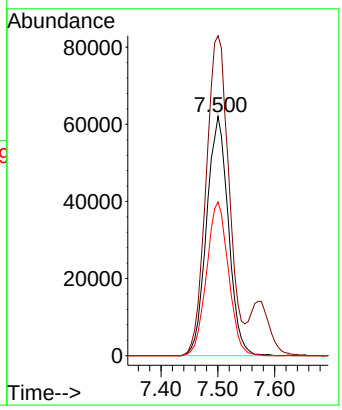




#27
cis-1,2-Dichloroethene
Concen: 51.073 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 16498

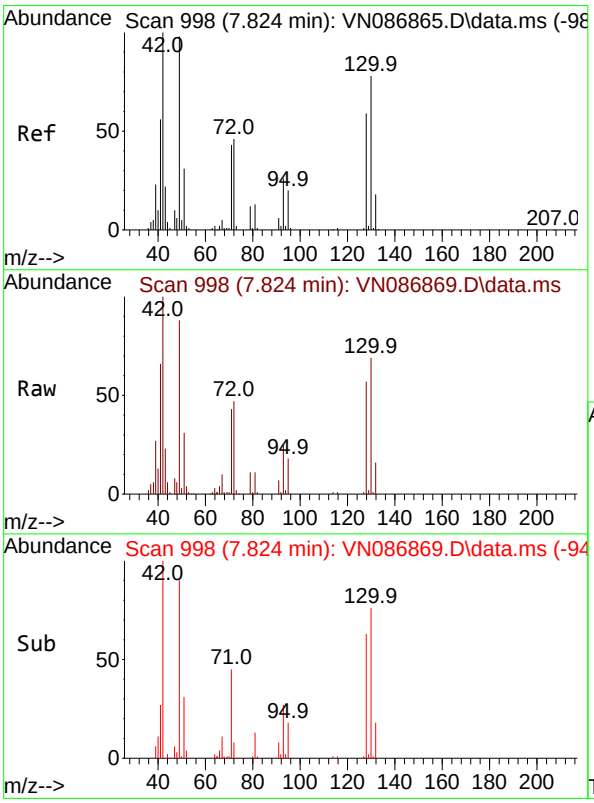
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	278.0
98	64.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

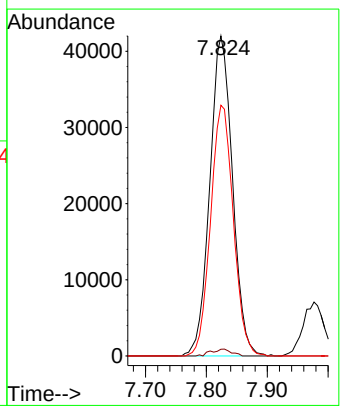
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

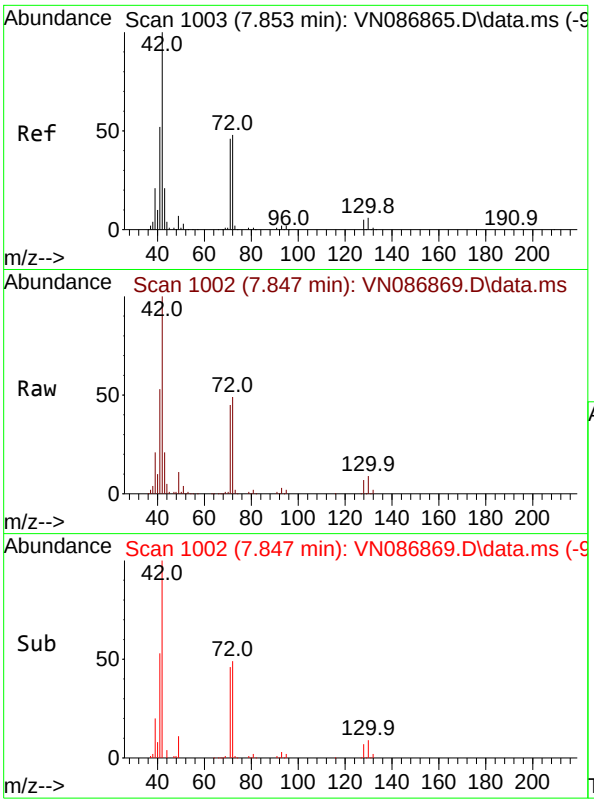


#28
Bromochloromethane
Concen: 45.310 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 49 Resp: 108810

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.5	62.2	93.2

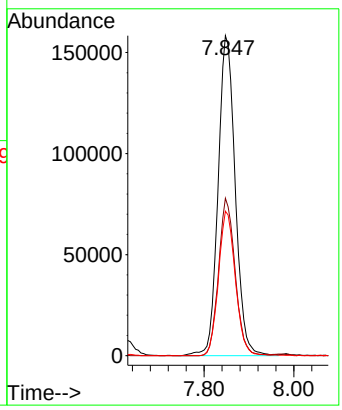




#29
Tetrahydrofuran
Concen: 256.656 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 42 Resp: 42089

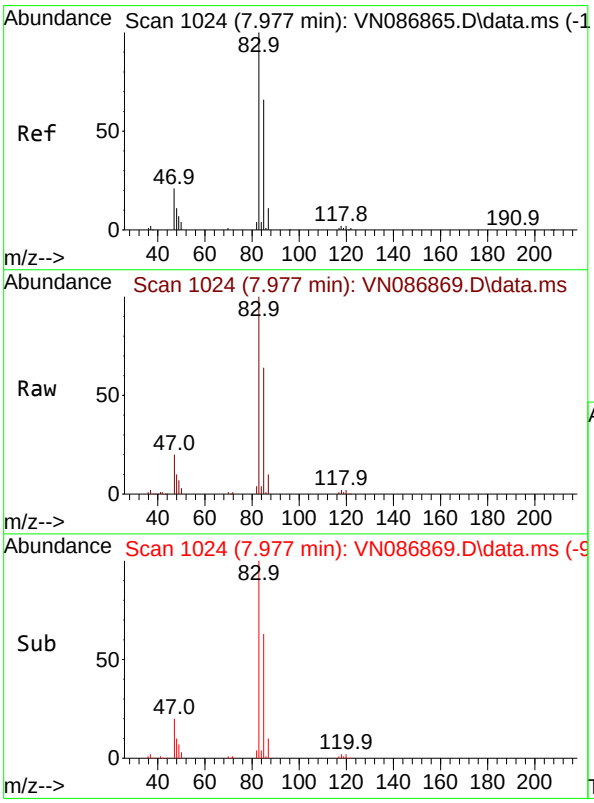
Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	44.5	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

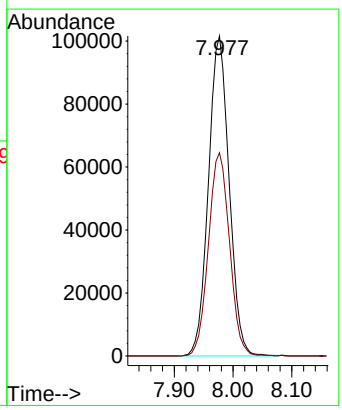
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

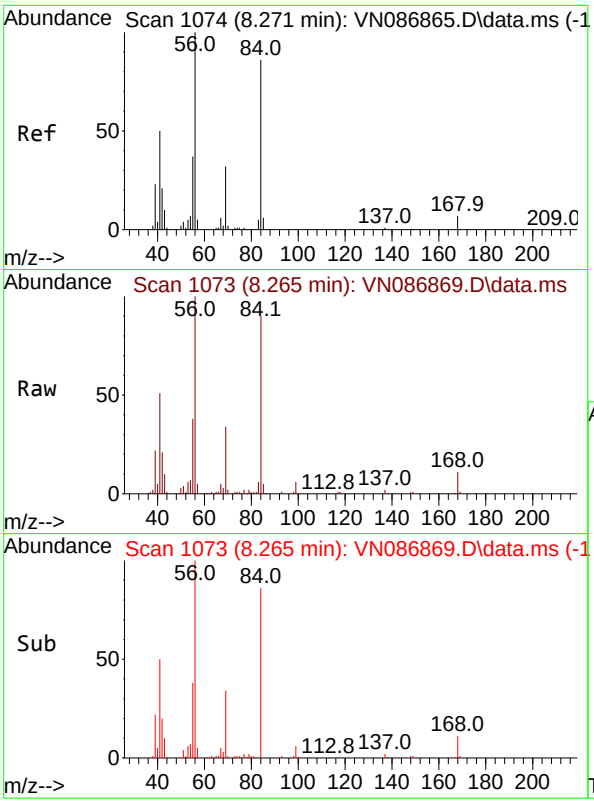


#30
Chloroform
Concen: 50.933 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 248429

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3

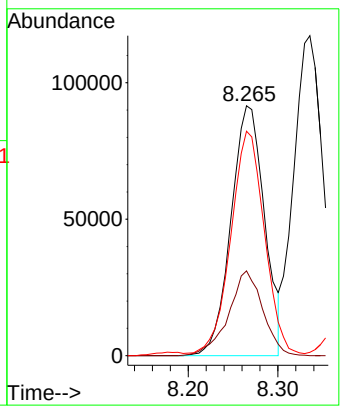




#31
Cyclohexane
Concen: 50.212 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 56 Resp: 23783

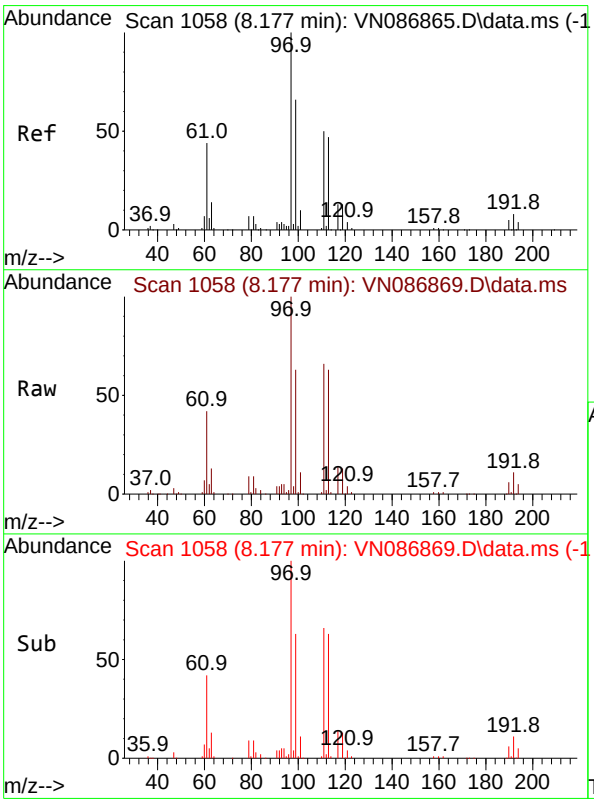
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	88.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

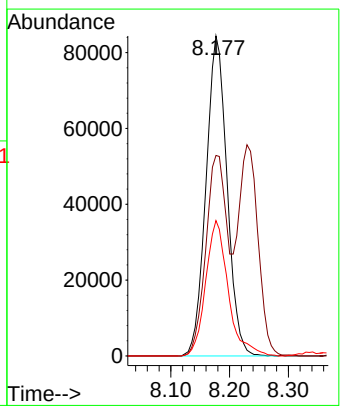
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

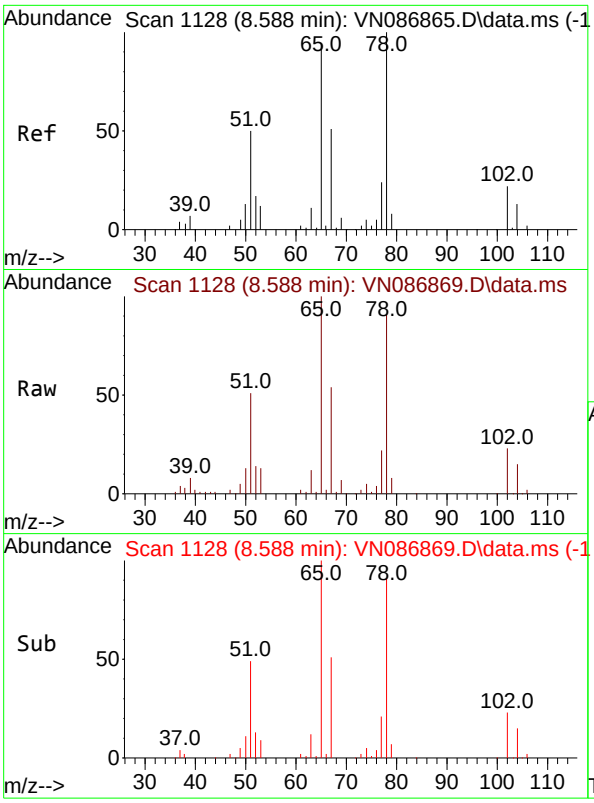


#32
1,1,1-Trichloroethane
Concen: 50.603 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 209927

Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.0	78.0
61	45.4	35.9	53.9

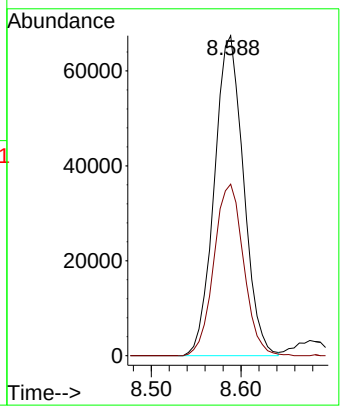




#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 65 Resp: 15225

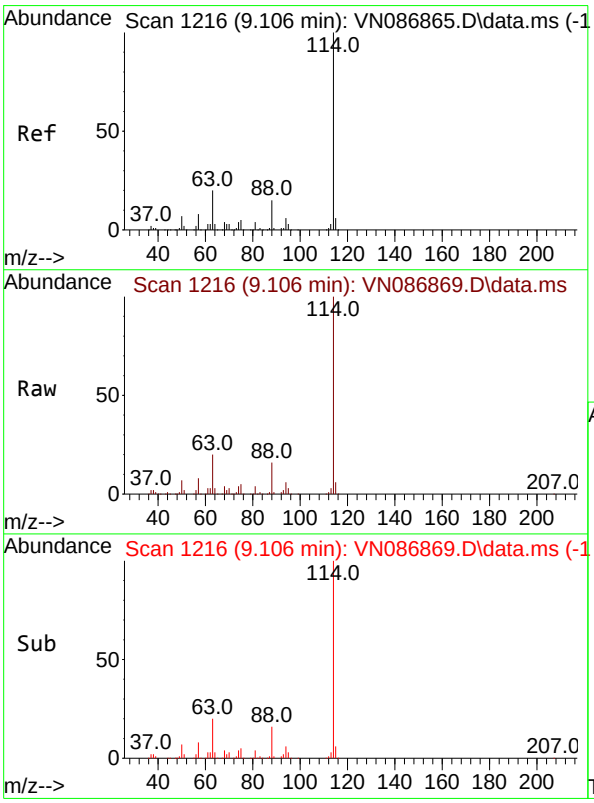
Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

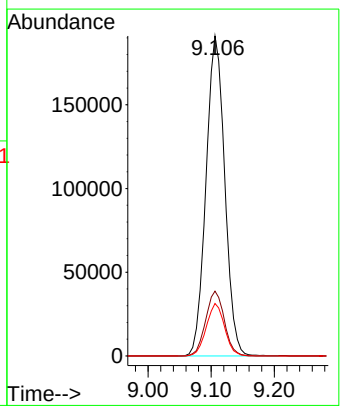
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

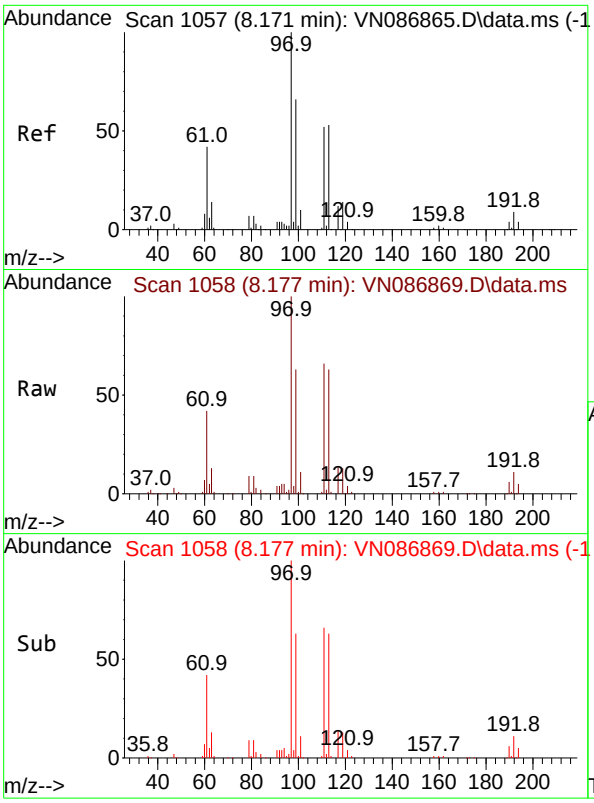


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:114 Resp: 394140

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.4	0.0	30.2

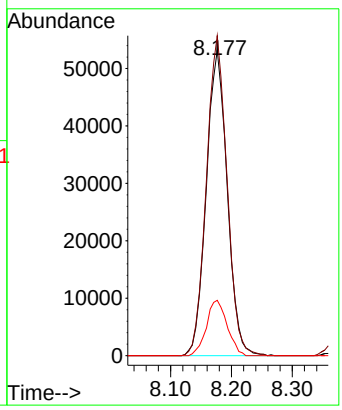




#35
Dibromofluoromethane
Concen: 54.416 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:113 Resp: 12710

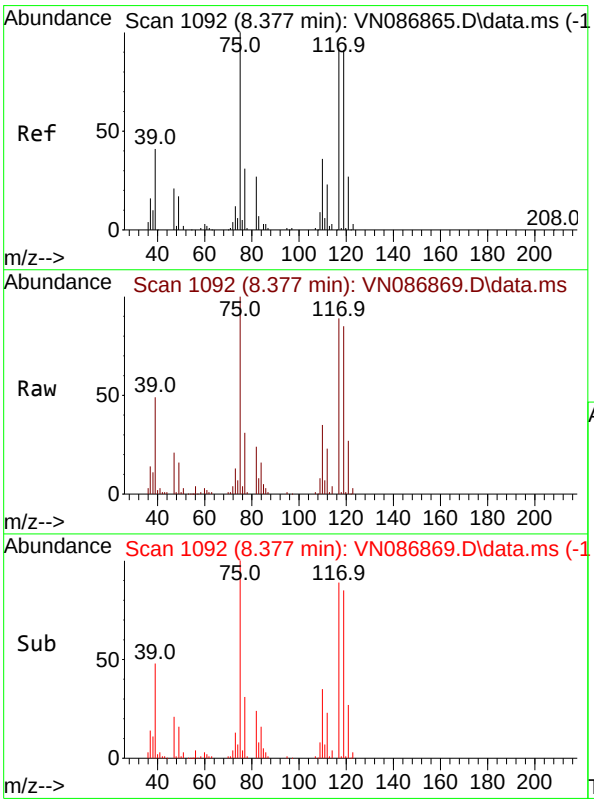
Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.2	126.2
192	18.0	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

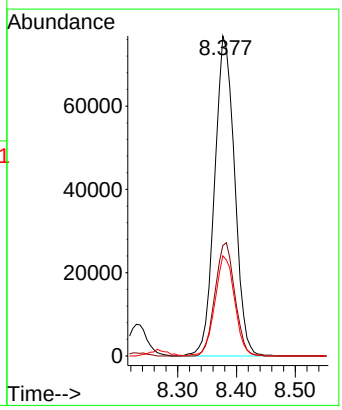
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

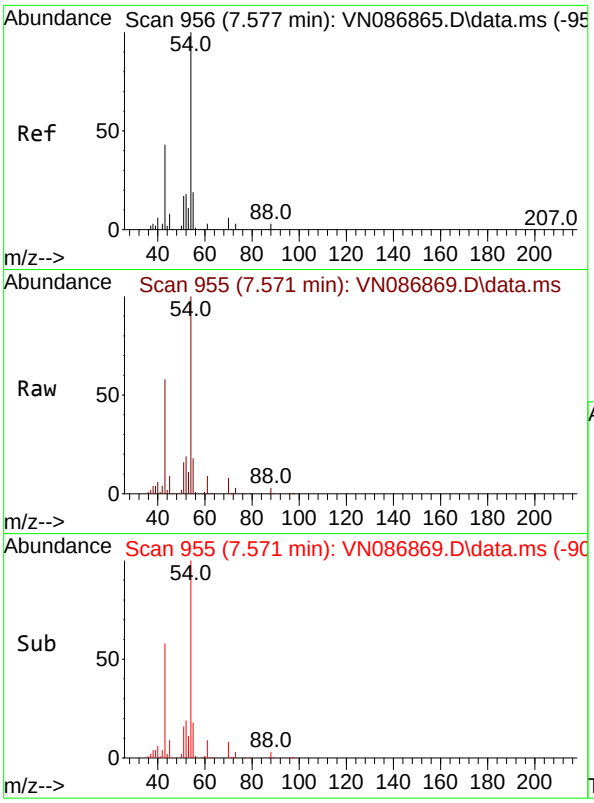


#36
1,1-Dichloropropene
Concen: 52.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 181414

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.6	52.9
77	31.0	25.3	37.9

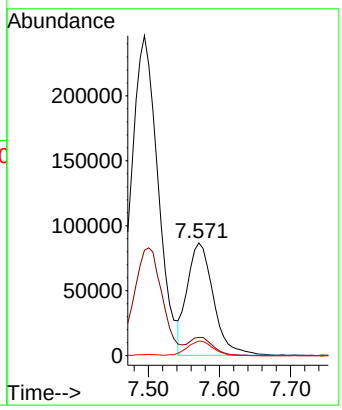




#37
Ethyl Acetate
Concen: 50.125 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 22209

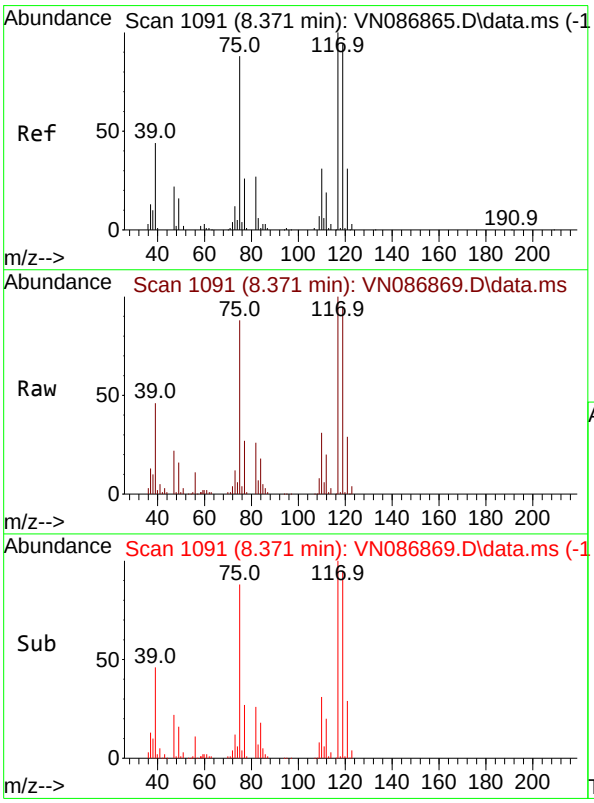
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.9	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

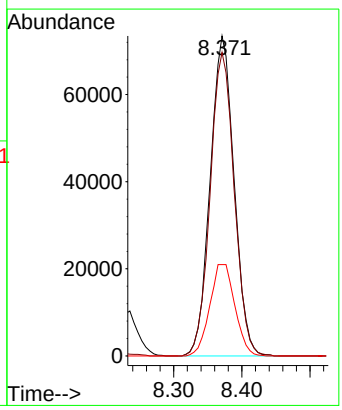
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

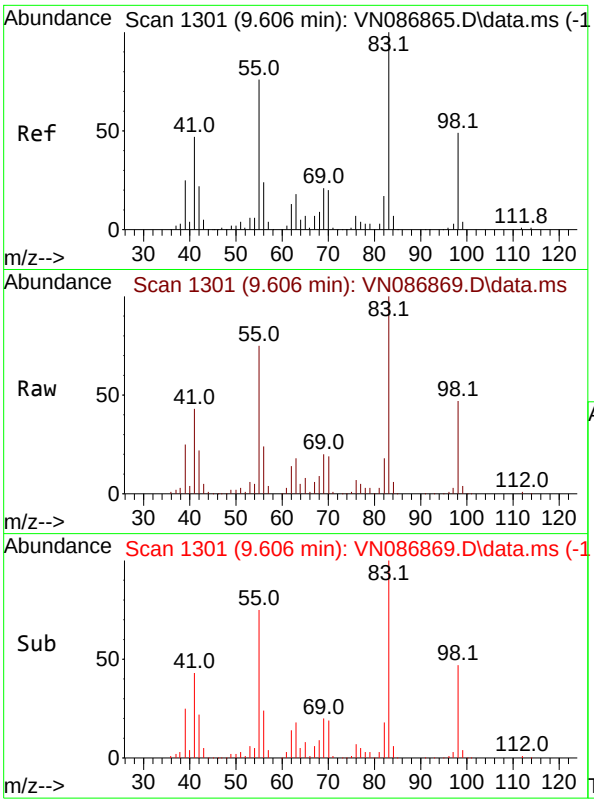


#38
Carbon Tetrachloride
Concen: 52.466 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 179281

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.0	112.6
121	28.5	24.9	37.3





#39
Methylcyclohexane
Concen: 52.686 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

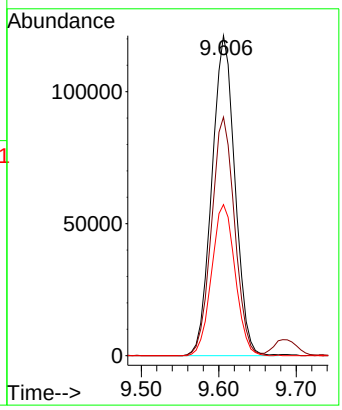
Tgt Ion: 83 Resp: 25123

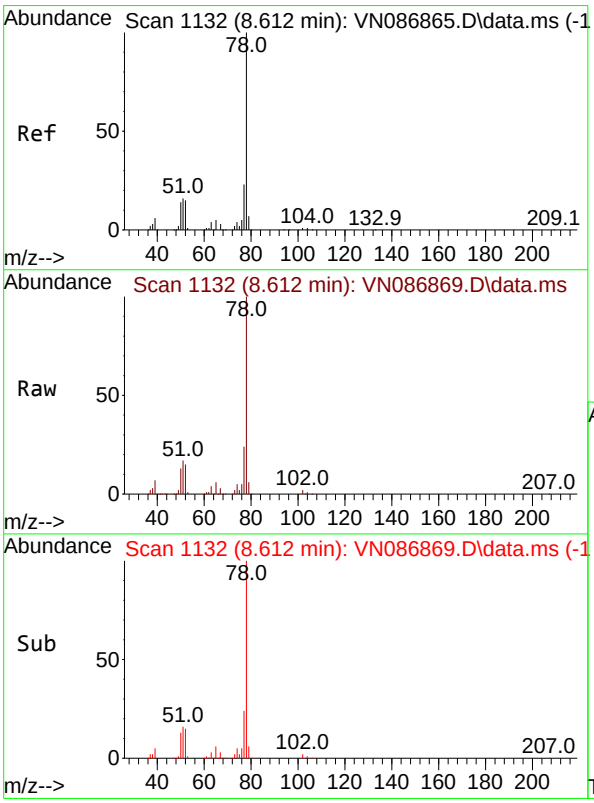
Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.0	91.6
98	47.2	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

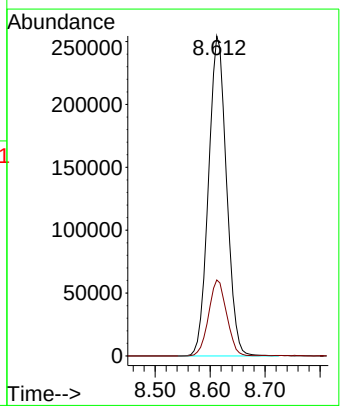


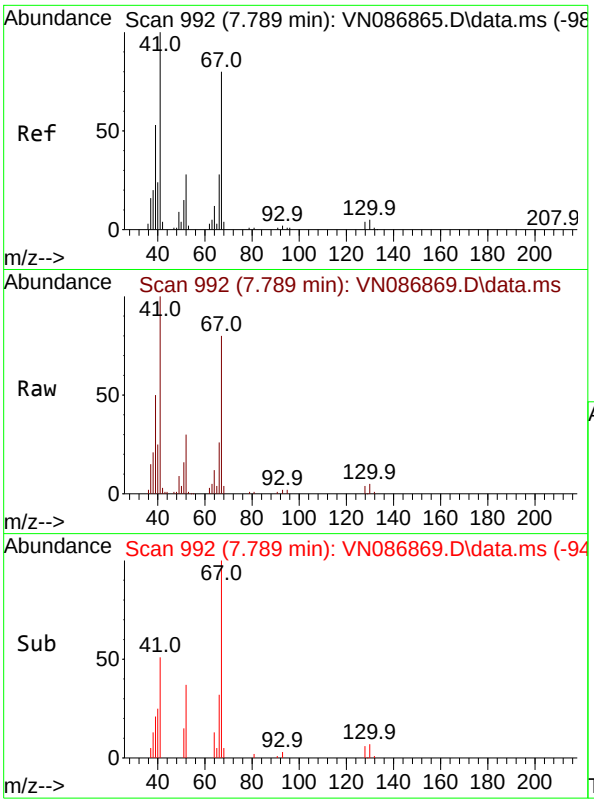


#40
Benzene
Concen: 50.931 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 78 Resp: 579667

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1

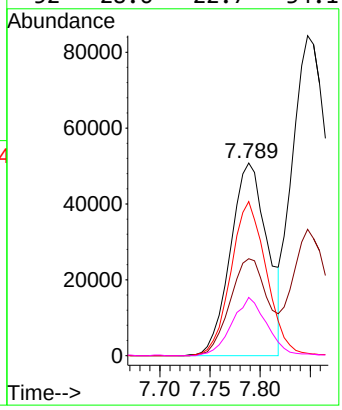




#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 13090

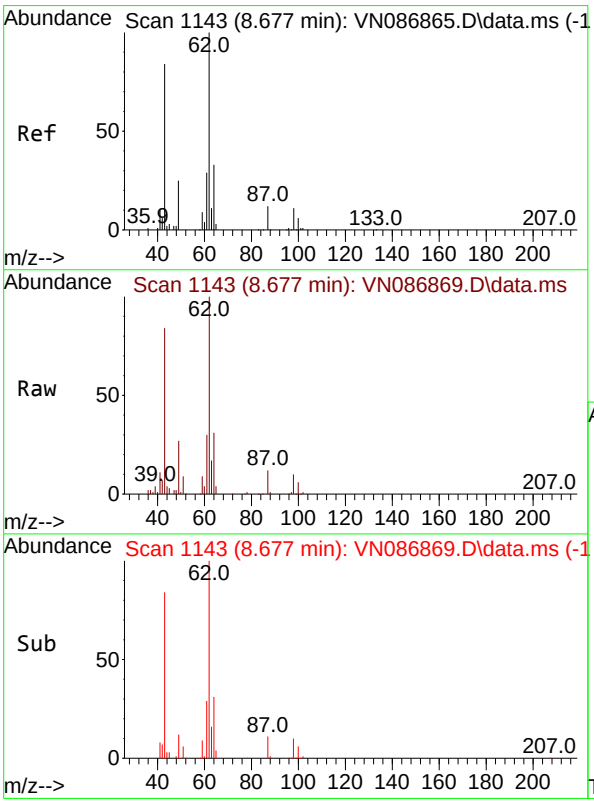
Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.2	61.8
67	76.9	61.4	92.2
52	28.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

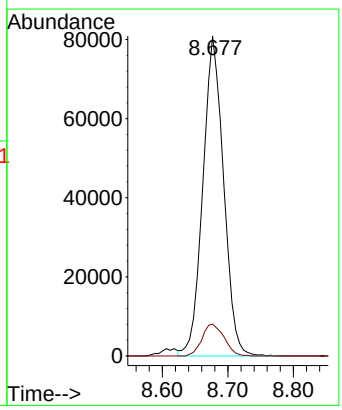
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

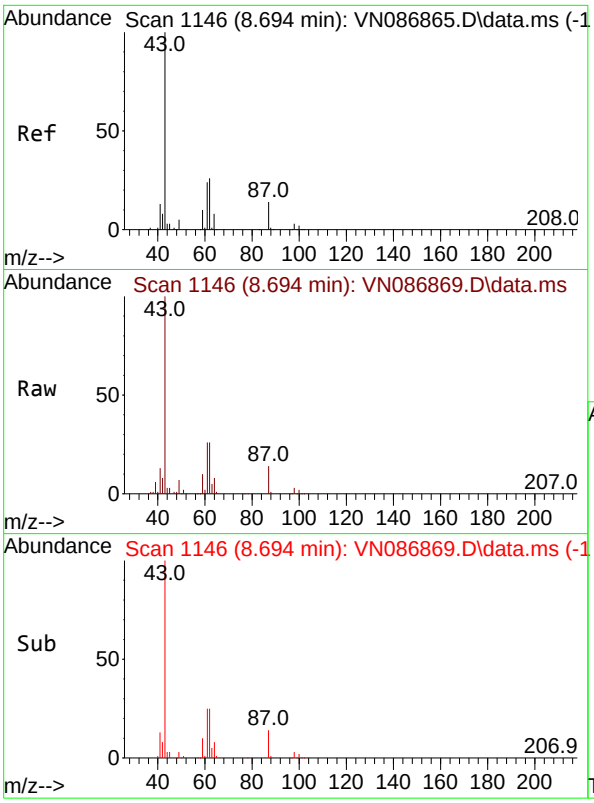


#42
1,2-Dichloroethane
Concen: 51.489 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 177746

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 50.536 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

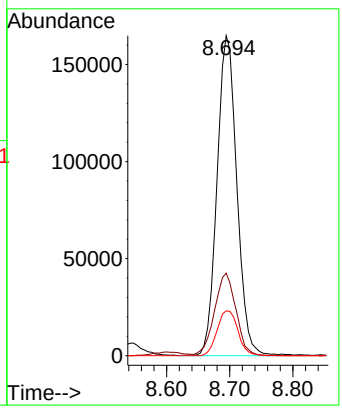
Tgt Ion: 43 Resp: 35937

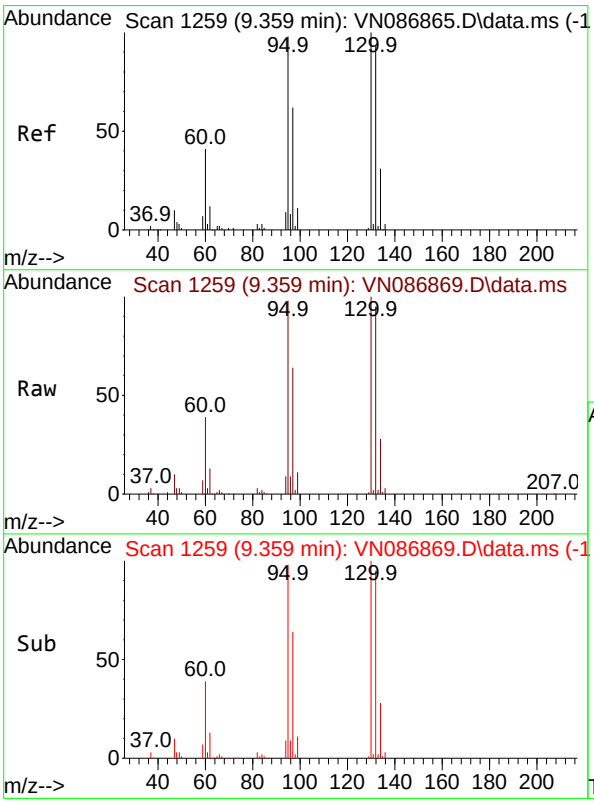
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.8	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

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

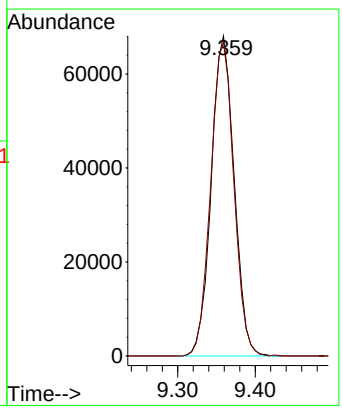


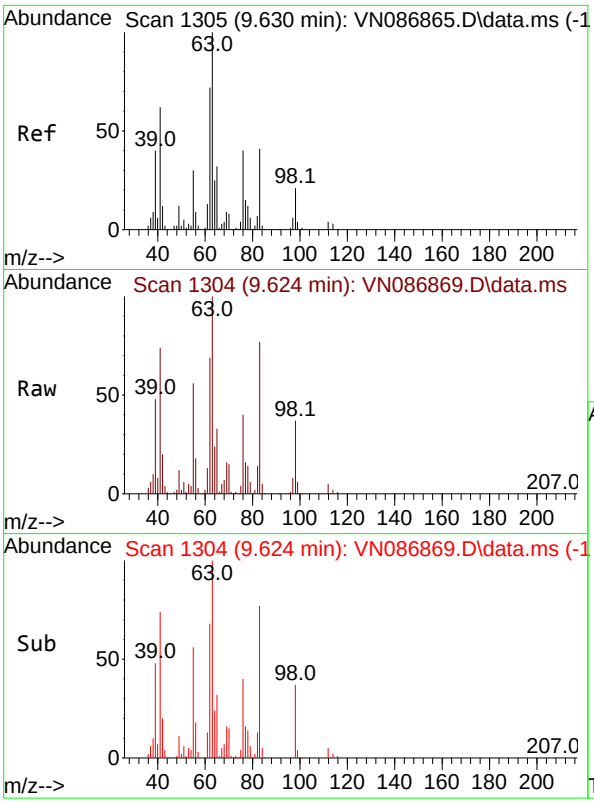


#44
Trichloroethene
Concen: 51.788 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:130 Resp: 139763

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.2

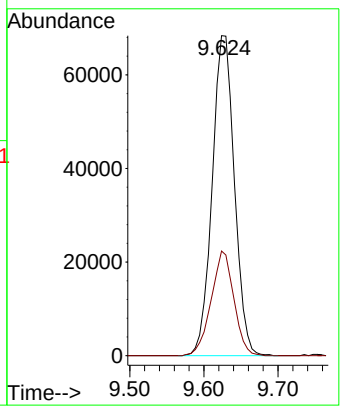




#45
1,2-Dichloropropane
Concen: 51.450 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 14246

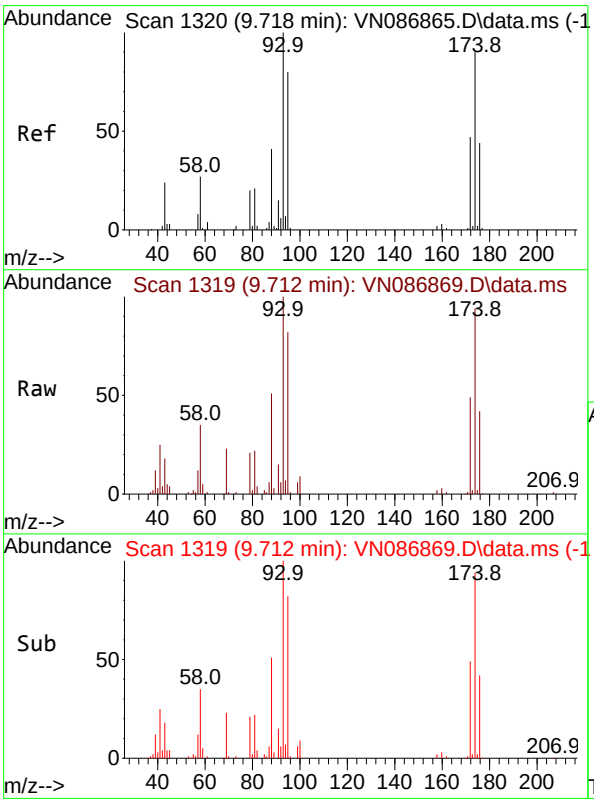
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

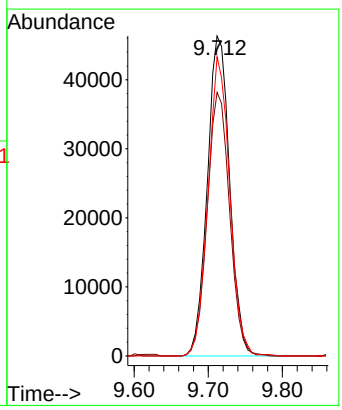
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

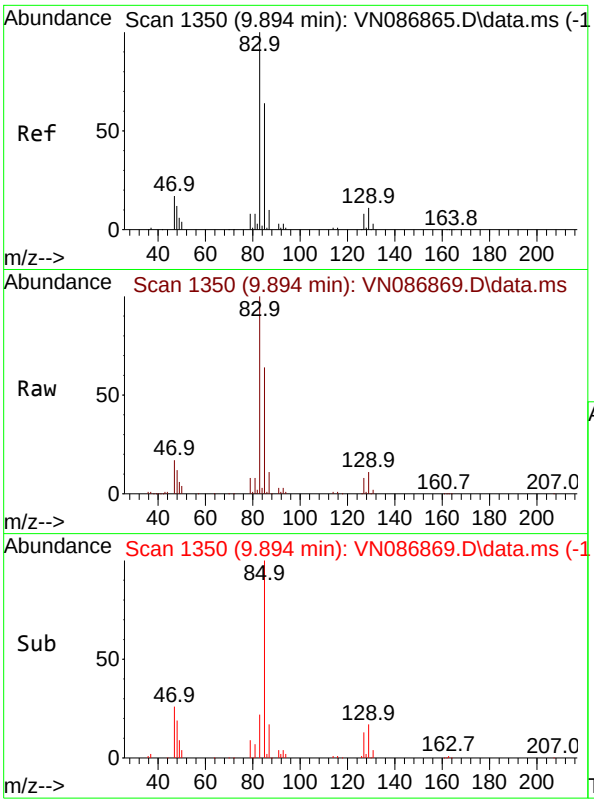


#46
Dibromomethane
Concen: 52.849 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 93 Resp: 97199

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.1	100.7
174	90.9	74.2	111.4

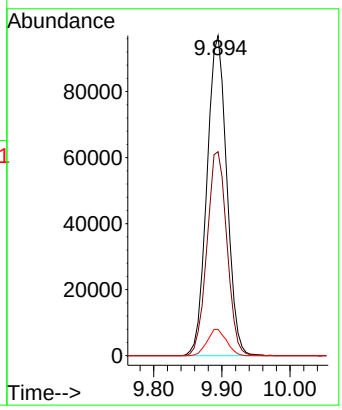




#47
Bromodichloromethane
Concen: 51.824 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 19610

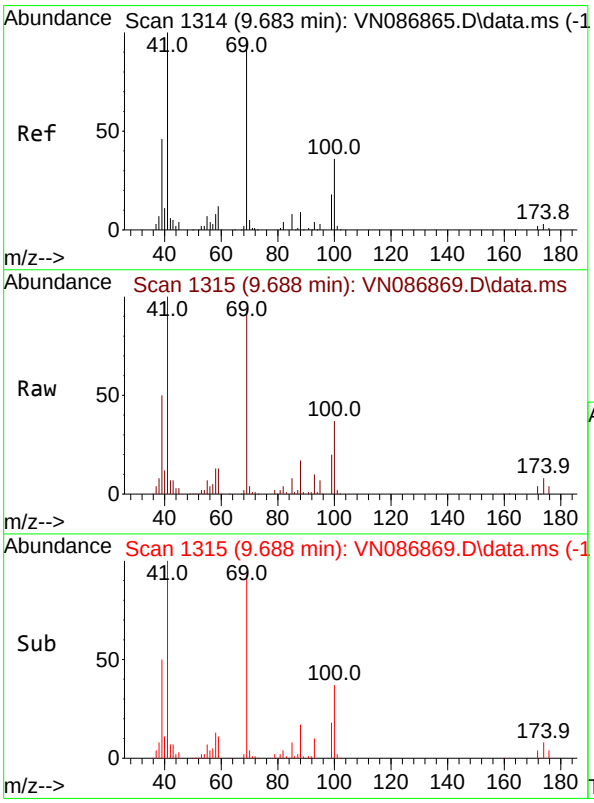
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.2	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

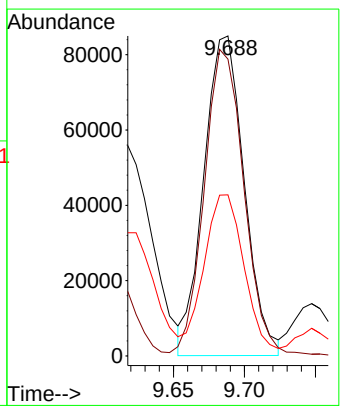
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

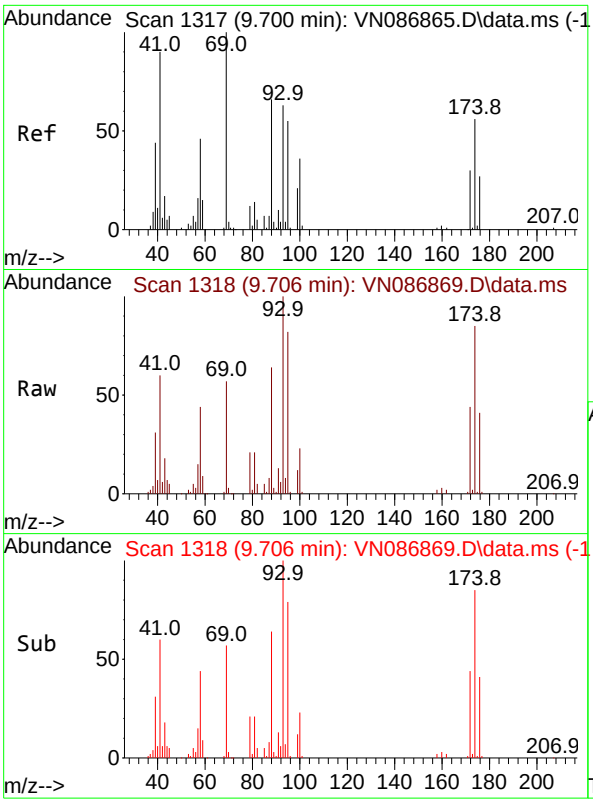


#48
Methyl methacrylate
Concen: 51.328 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 168001

Ion	Ratio	Lower	Upper
41	100		
69	95.2	74.6	112.0
39	51.0	40.2	60.4

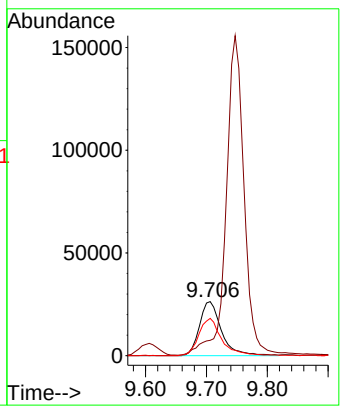




#49
1,4-Dioxane
Concen: 1110.123 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 88 Resp: 6610

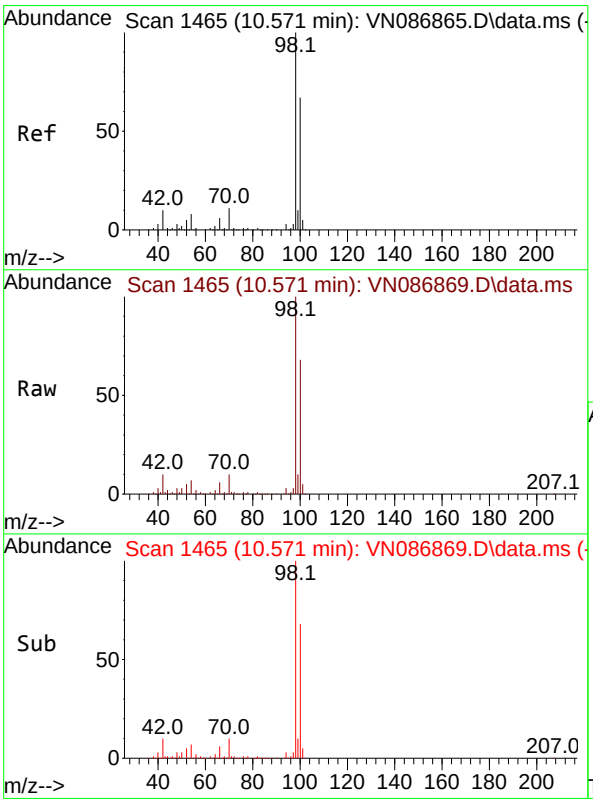
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

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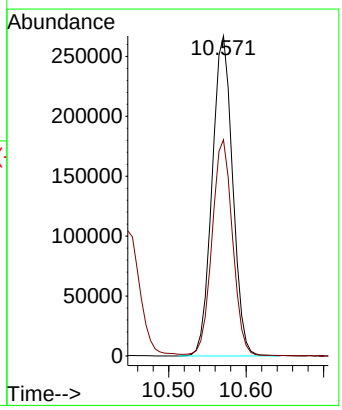
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

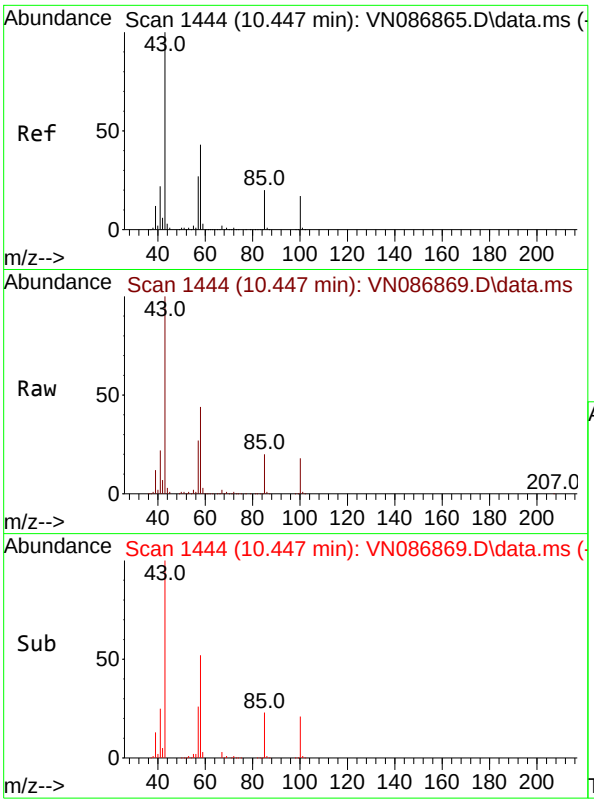


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 98 Resp: 491265

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0

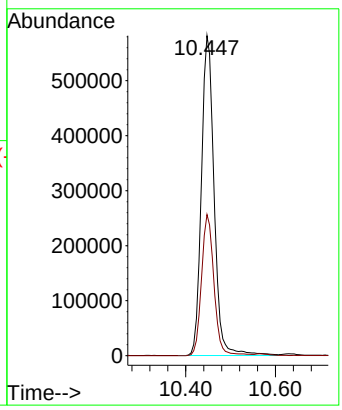




#51
4-Methyl-2-Pentanone
Concen: 267.835 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 114662

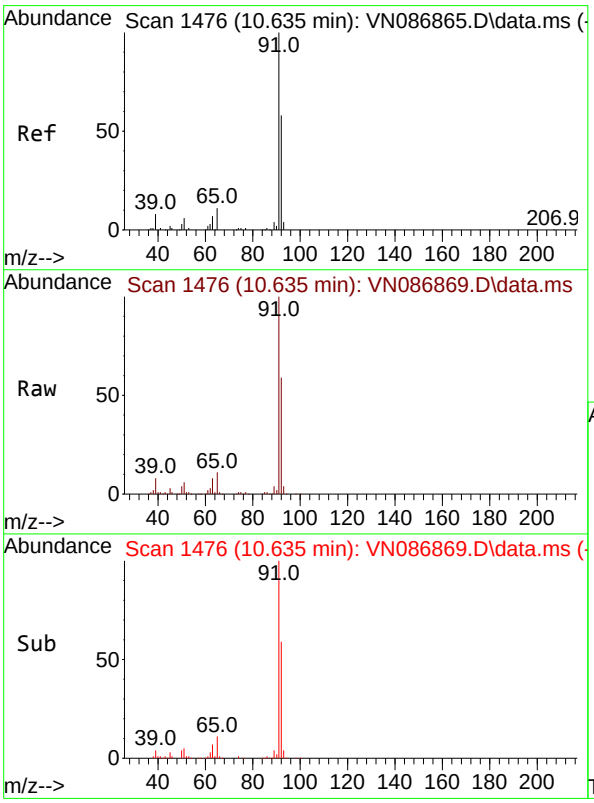
Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

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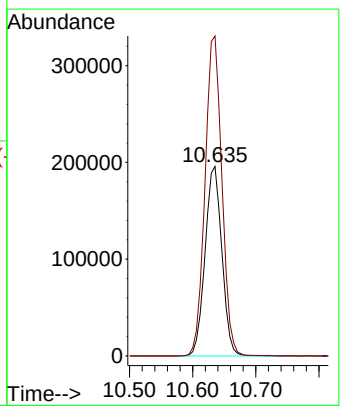
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

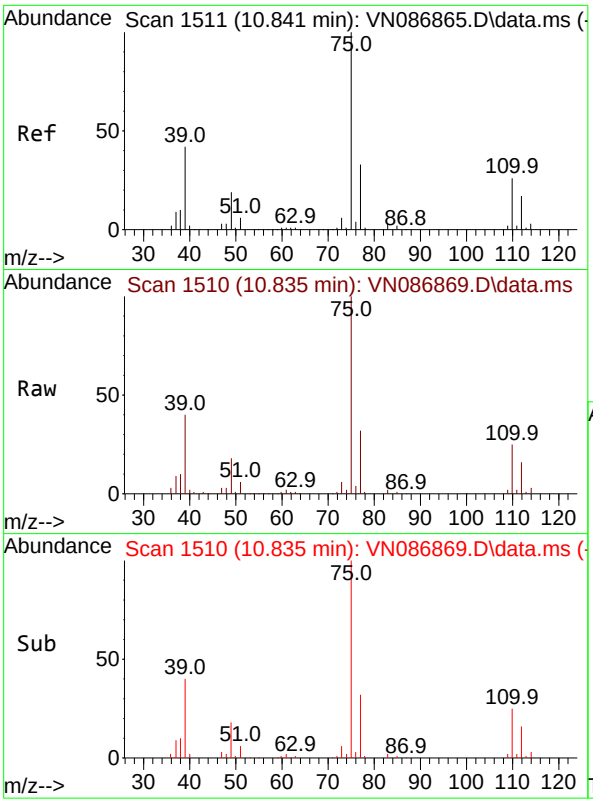


#52
Toluene
Concen: 52.040 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 92 Resp: 361963

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.5	204.7

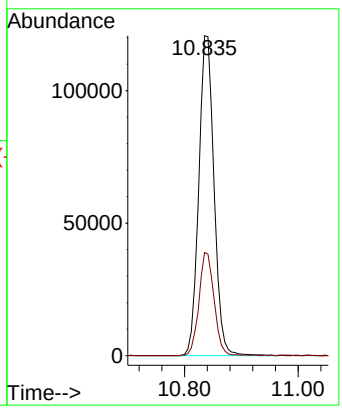




#53
t-1,3-Dichloropropene
Concen: 53.137 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 22483

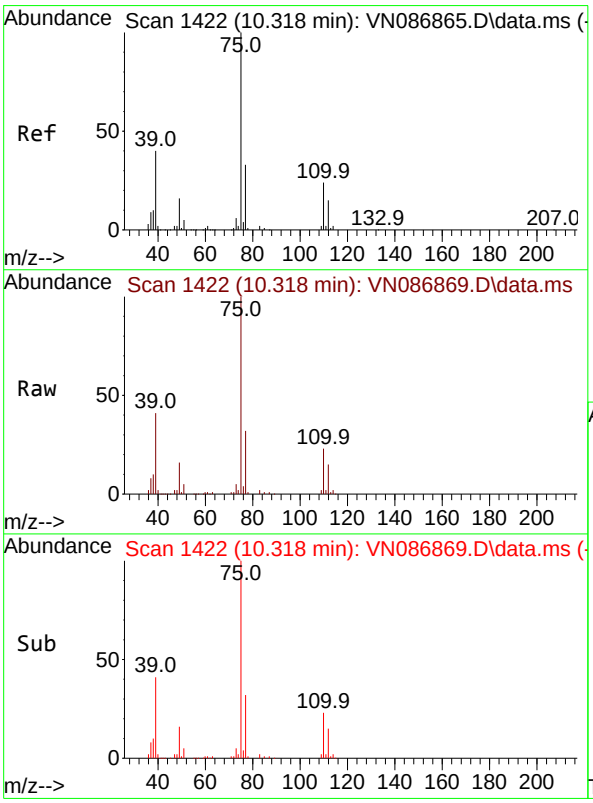
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

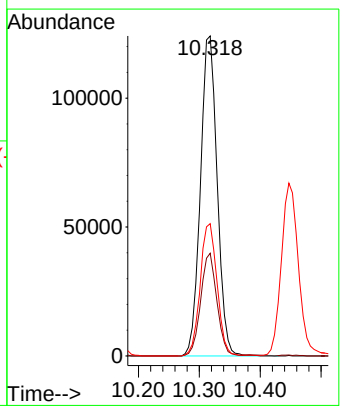
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

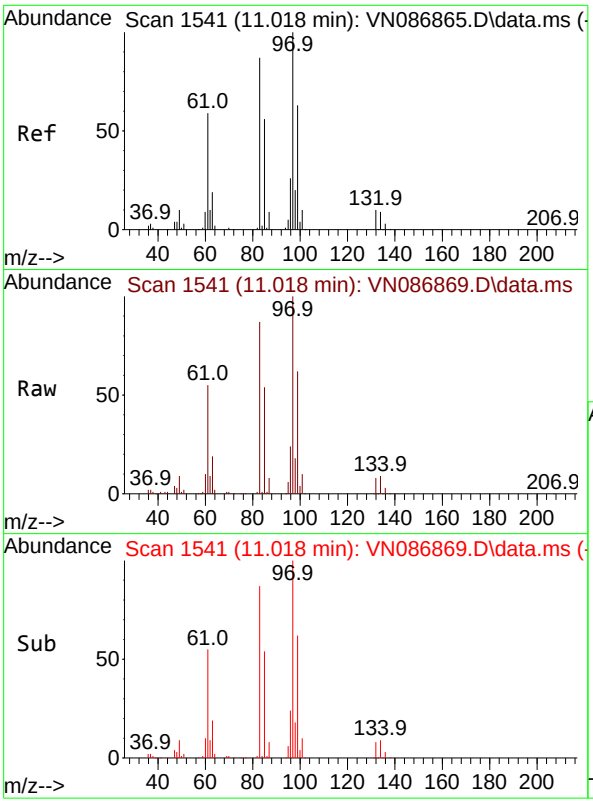


#54
cis-1,3-Dichloropropene
Concen: 52.519 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 237774

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
39	41.3	32.3	48.5

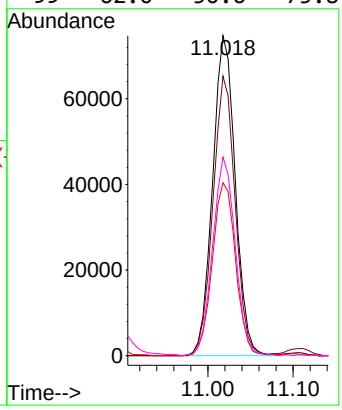




#55
1,1,2-Trichloroethane
Concen: 51.562 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 13799

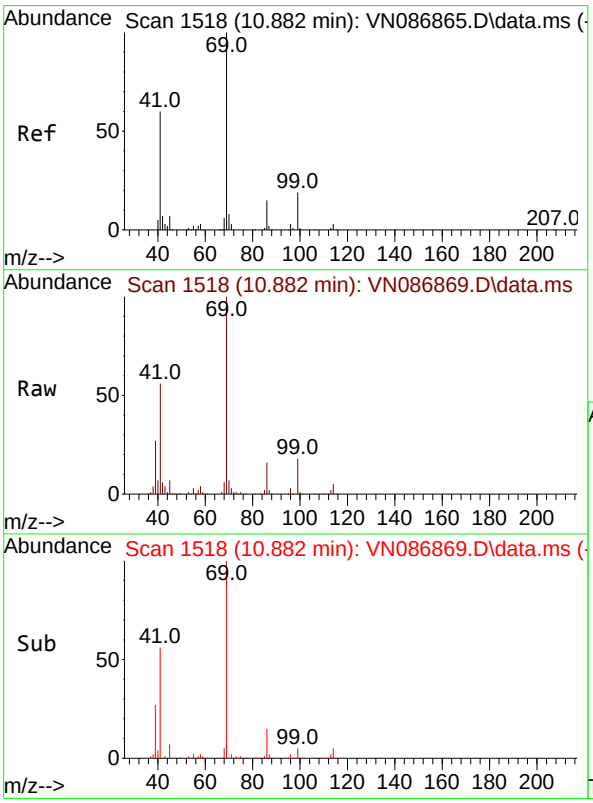
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	54.1	45.1	67.7
99	62.0	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

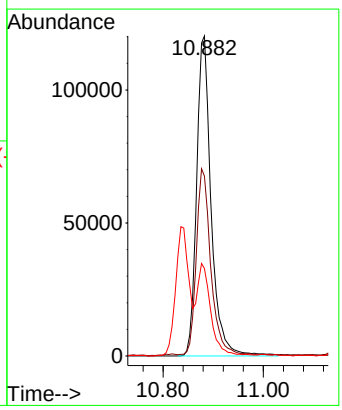
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

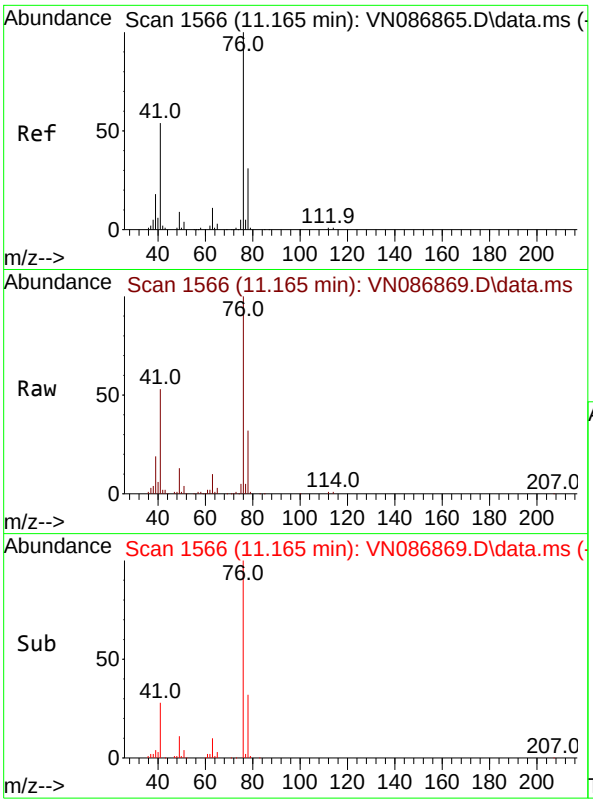


#56
Ethyl methacrylate
Concen: 56.688 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 69 Resp: 241649

Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.2	70.8
39	27.4	23.0	34.6

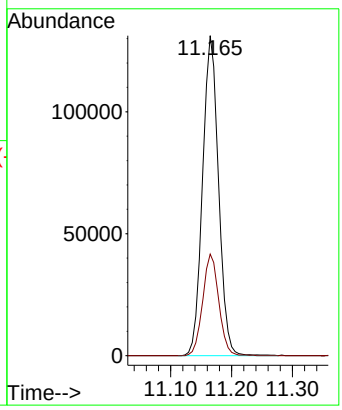




#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 76 Resp: 23857

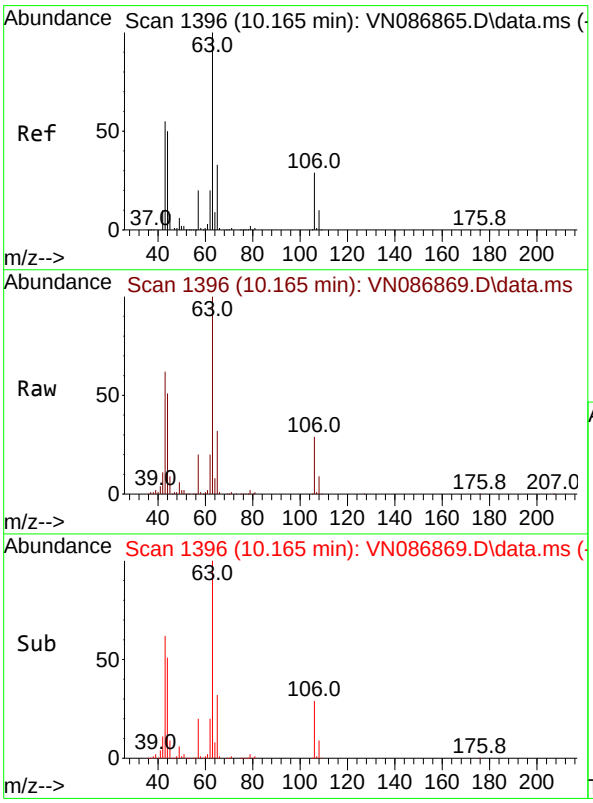
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

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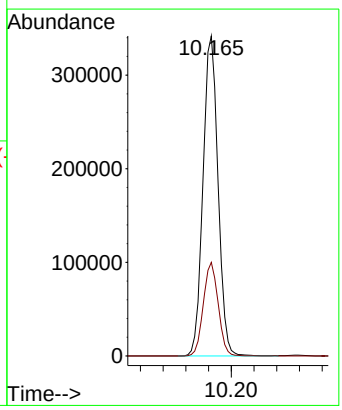
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

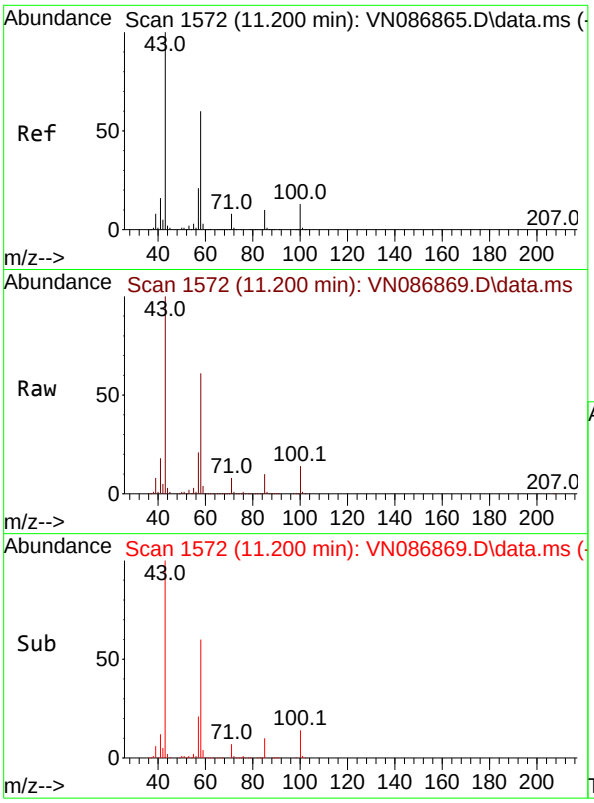


#58
2-Chloroethyl Vinyl ether
Concen: 246.006 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 625479

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6





#59
2-Hexanone
Concen: 283.478 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

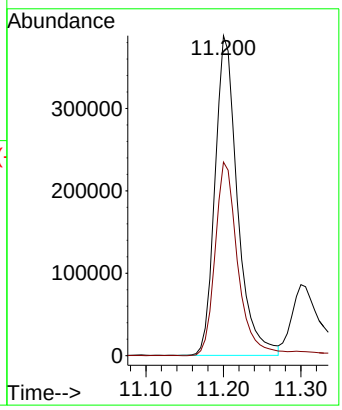
Tgt Ion: 43 Resp: 78171

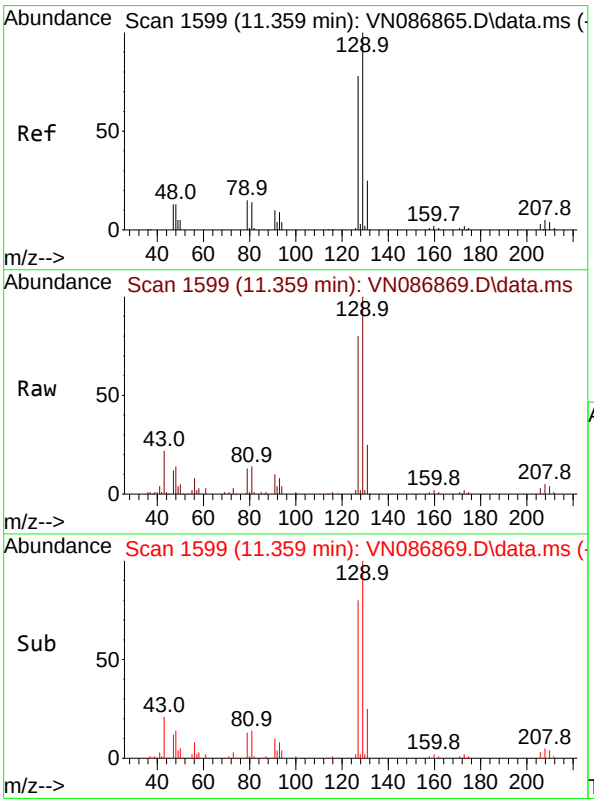
Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

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

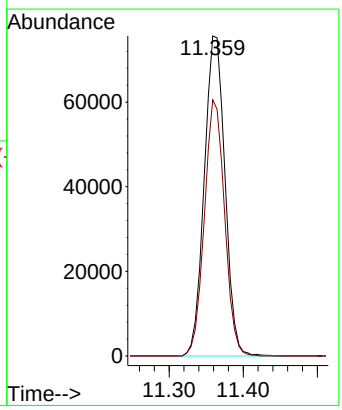


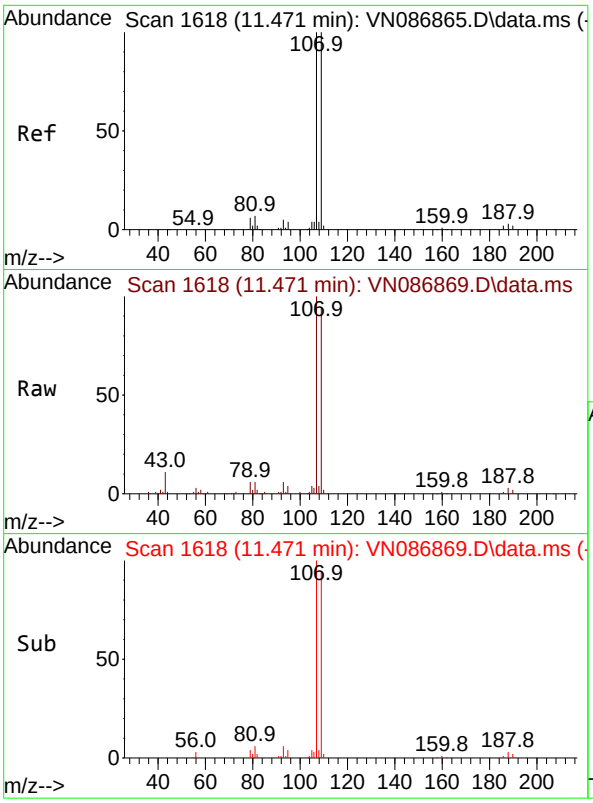


#60
Dibromochloromethane
Concen: 52.627 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:129 Resp: 146749

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8

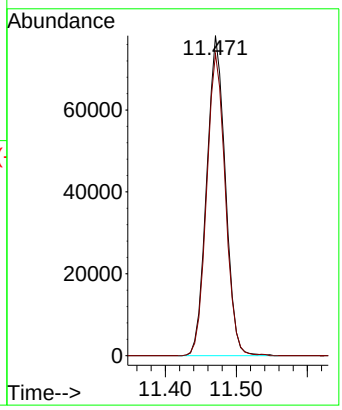




#61
1,2-Dibromoethane
Concen: 51.887 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:107 Resp: 14233

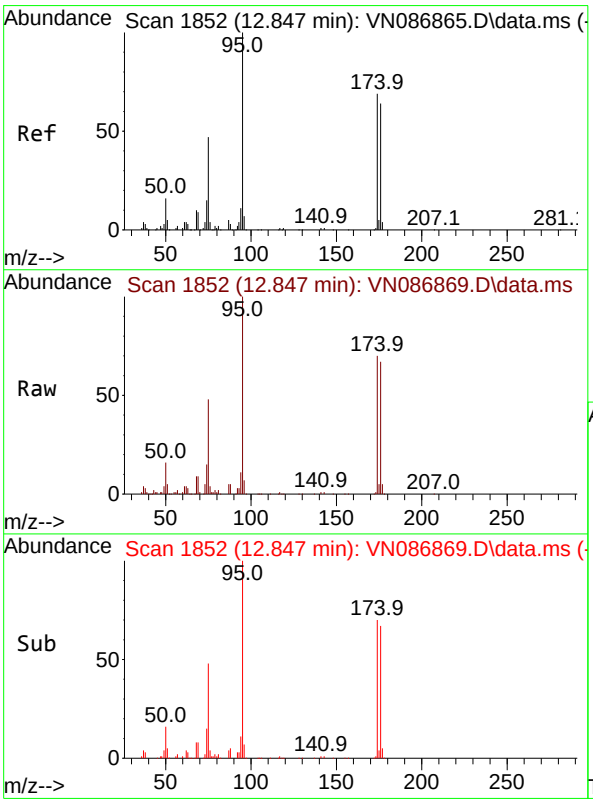
Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

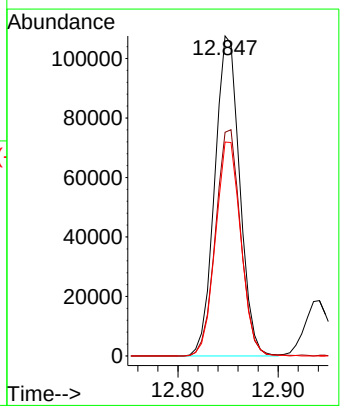
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

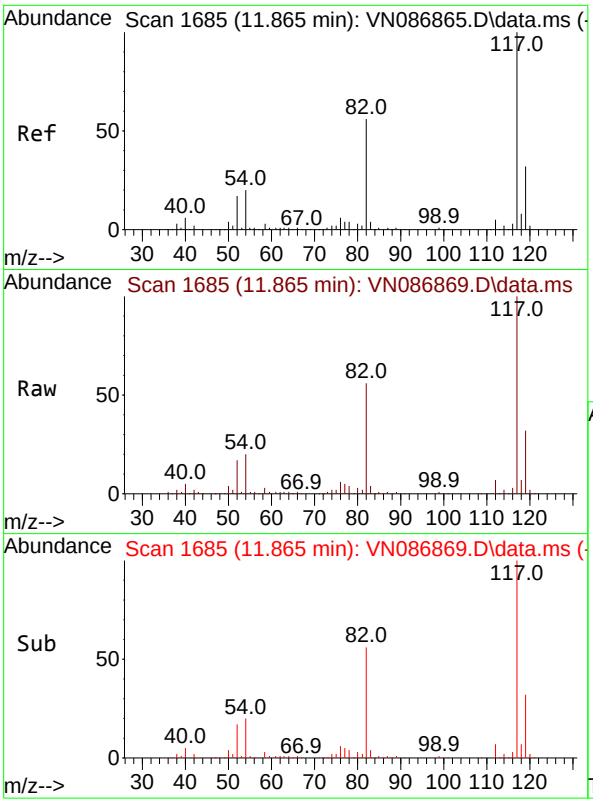


#62
4-Bromofluorobenzene
Concen: 54.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 95 Resp: 185792

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.8
176	68.1	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

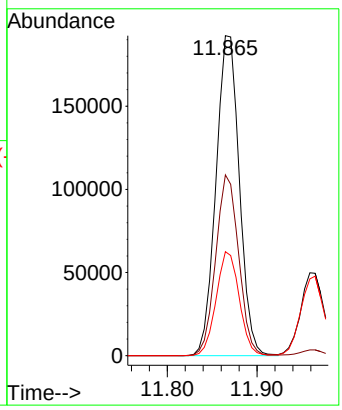
Tgt Ion:117 Resp: 34893

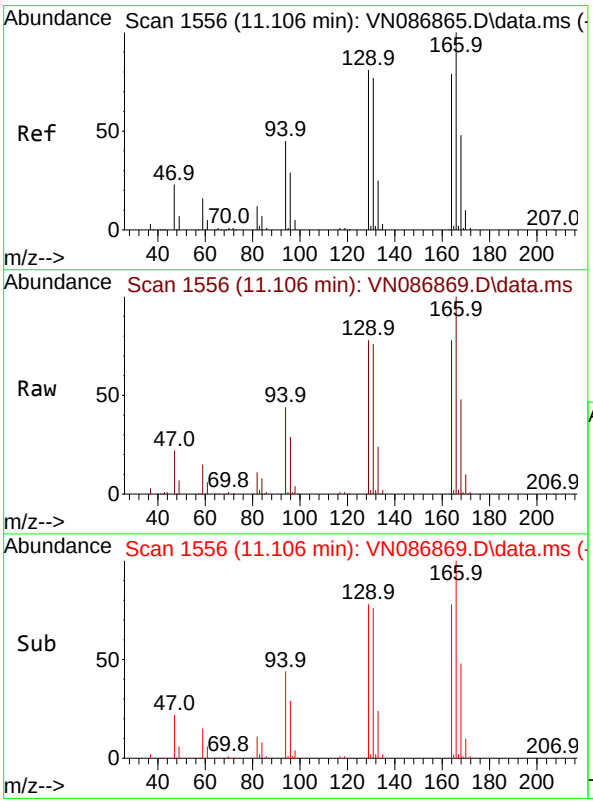
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.5	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

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

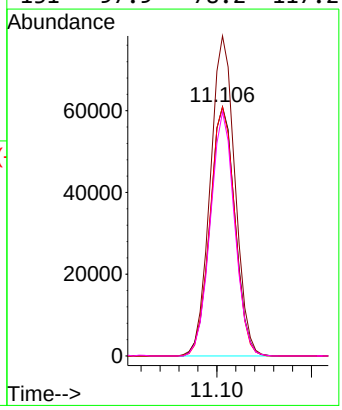


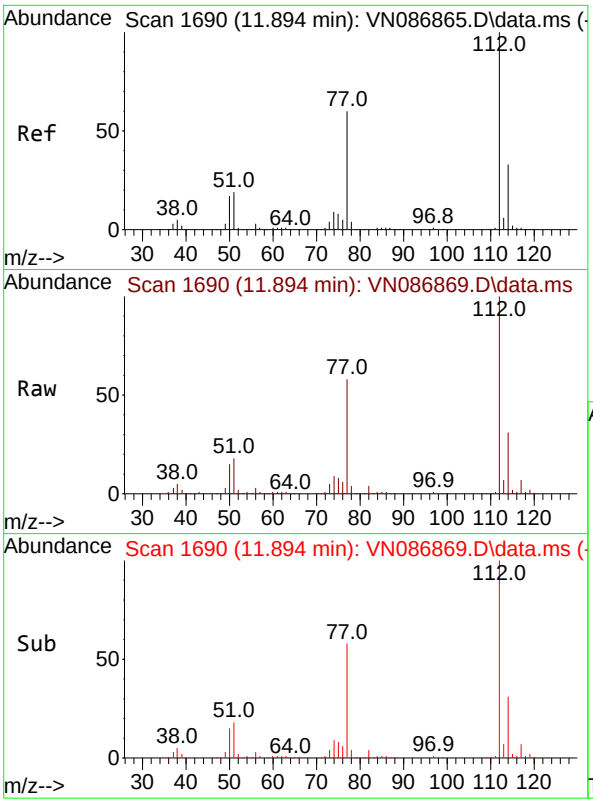


#64
Tetrachloroethene
Concen: 50.450 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:164 Resp: 111409

Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.8	152.8
129	99.9	83.0	124.4
131	97.9	78.2	117.2

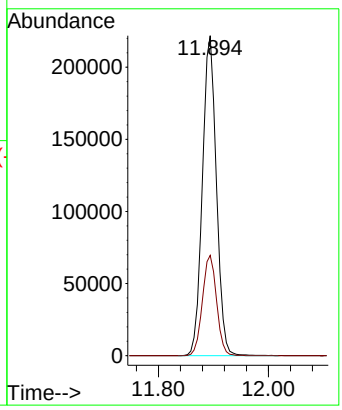




#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:112 Resp: 39166

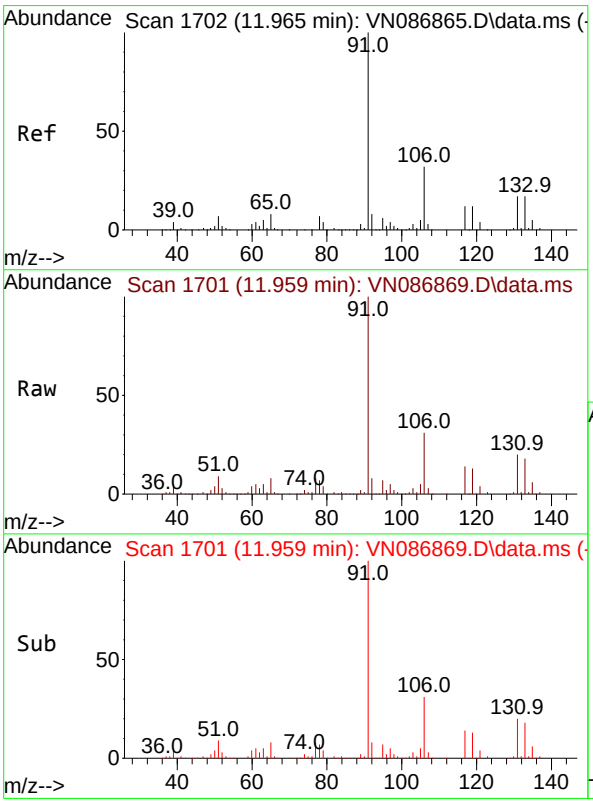
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

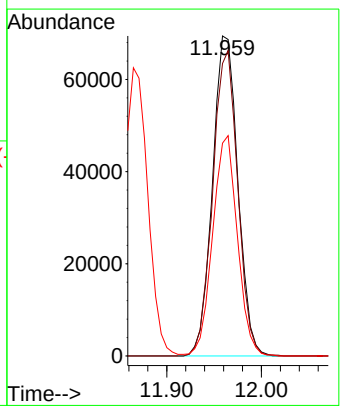
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

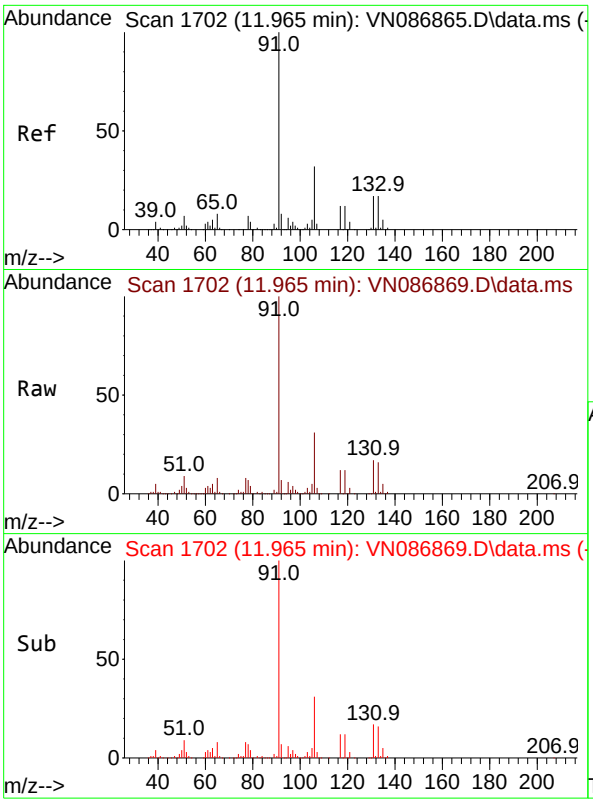


#66
1,1,1,2-Tetrachloroethane
Concen: 52.164 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:131 Resp: 129045

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	67.4	34.0	101.8

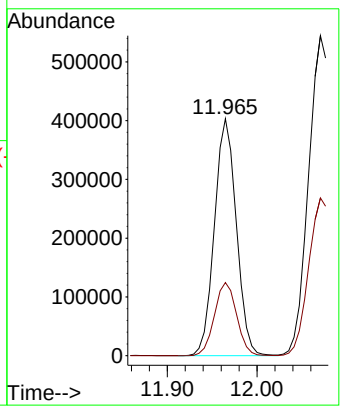




#67
Ethyl Benzene
Concen: 51.590 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 68387

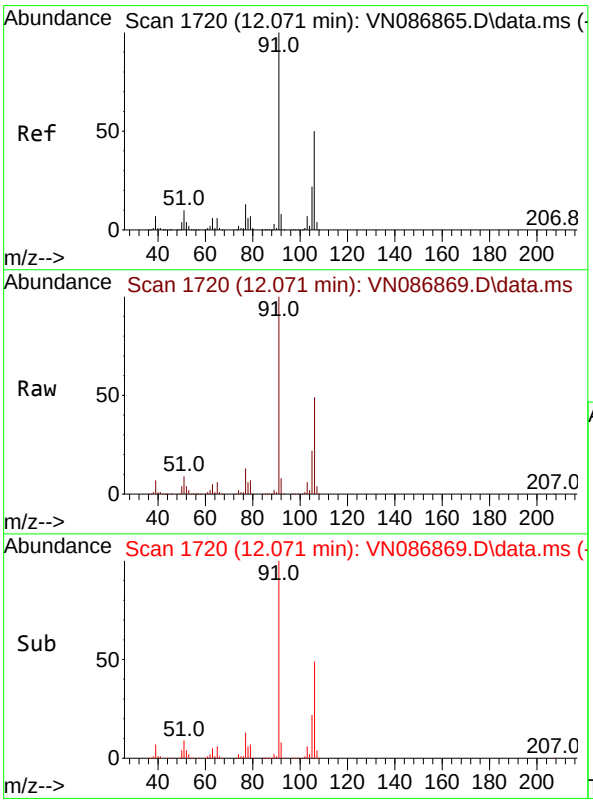
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

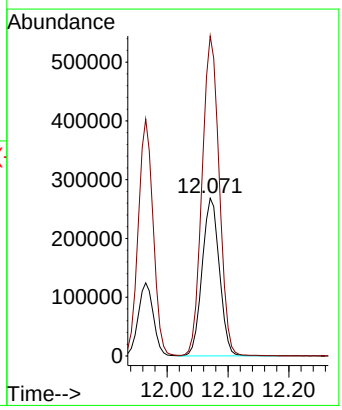
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

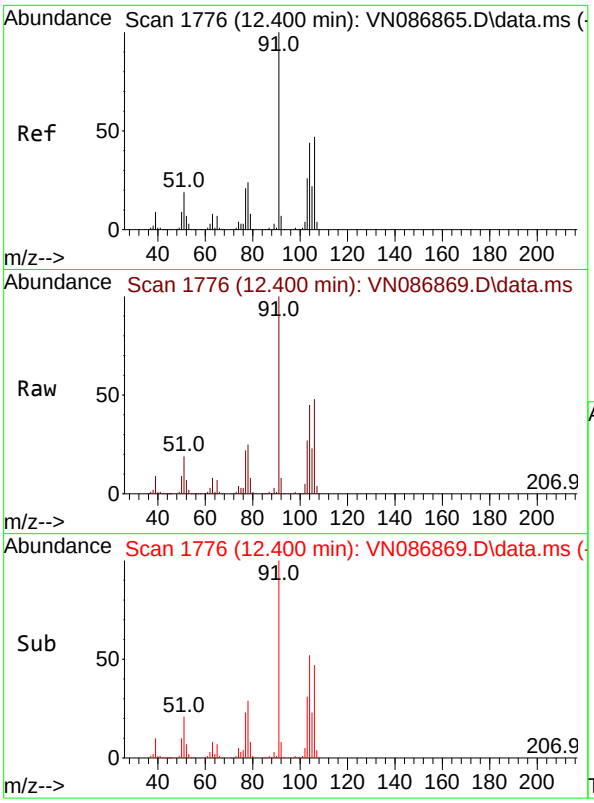


#68
m/p-Xylenes
Concen: 103.912 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:106 Resp: 527293

Ion	Ratio	Lower	Upper
106	100		
91	202.0	159.4	239.0

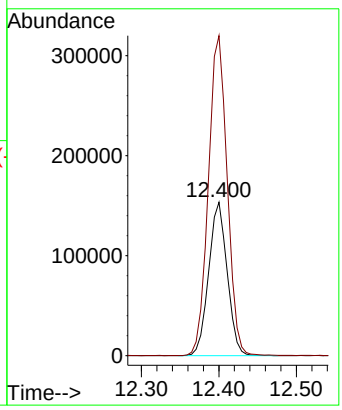




#69
o-Xylene
Concen: 52.387 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:106 Resp: 25460

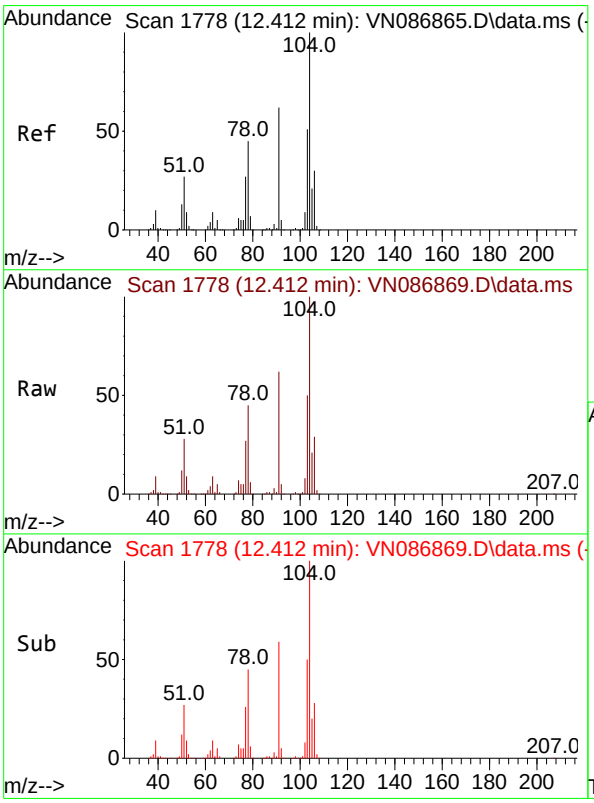
Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

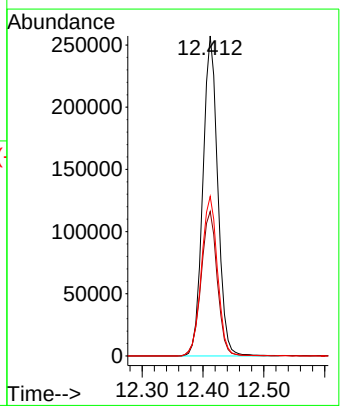
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

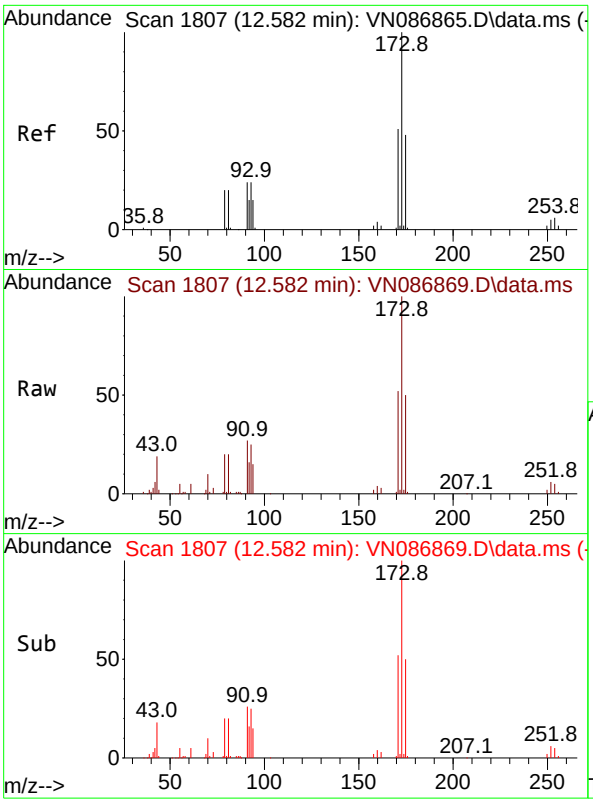


#70
Styrene
Concen: 52.758 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:104 Resp: 438751

Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.5	57.7
103	53.7	43.1	64.7

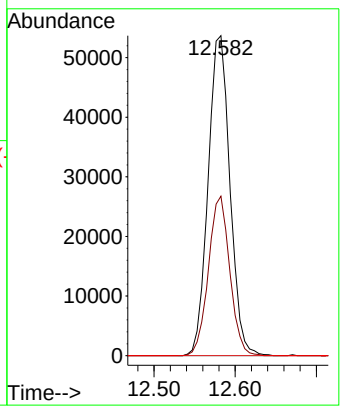




#71
Bromoform
Concen: 54.751 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:173 Resp: 10035

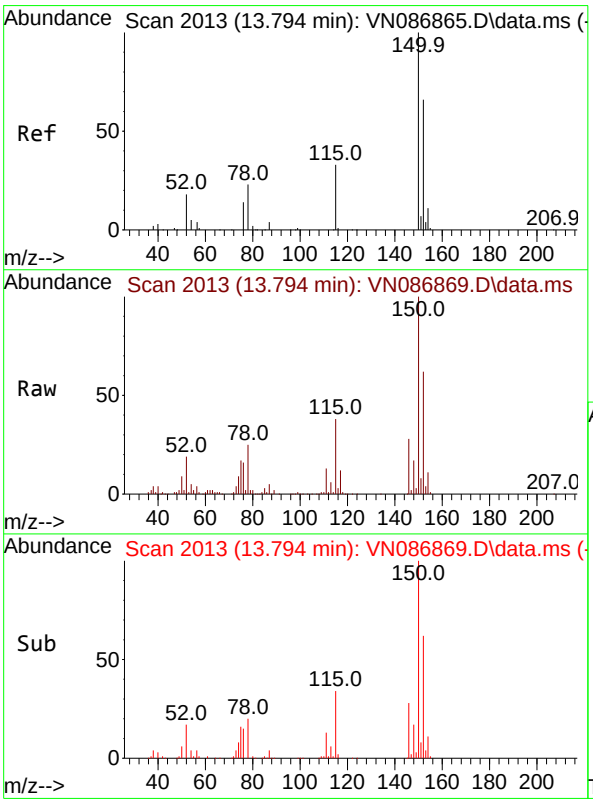
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

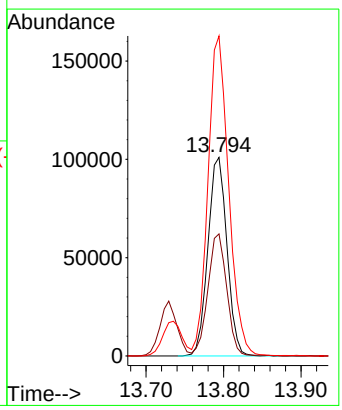
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

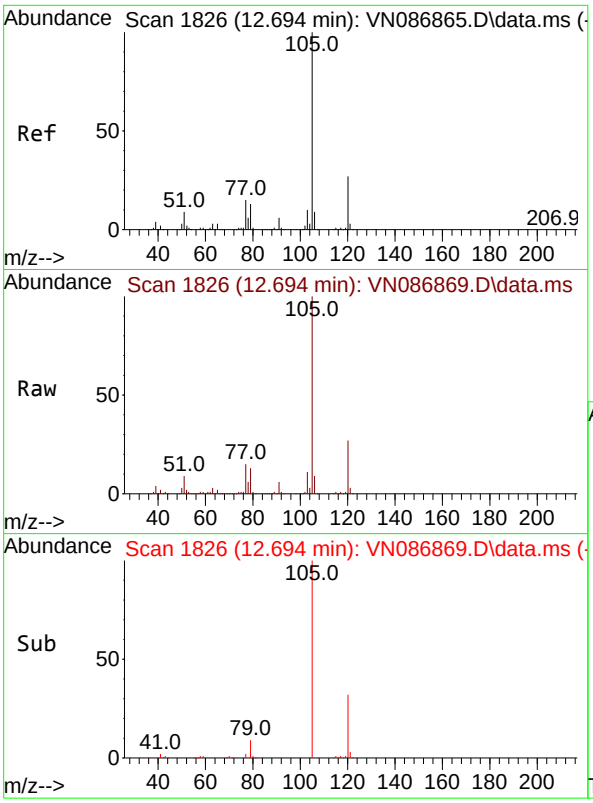


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:152 Resp: 172710

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	174.0	0.0	345.0

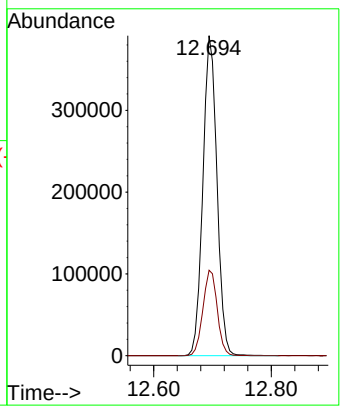




#73
Isopropylbenzene
Concen: 51.823 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 65204

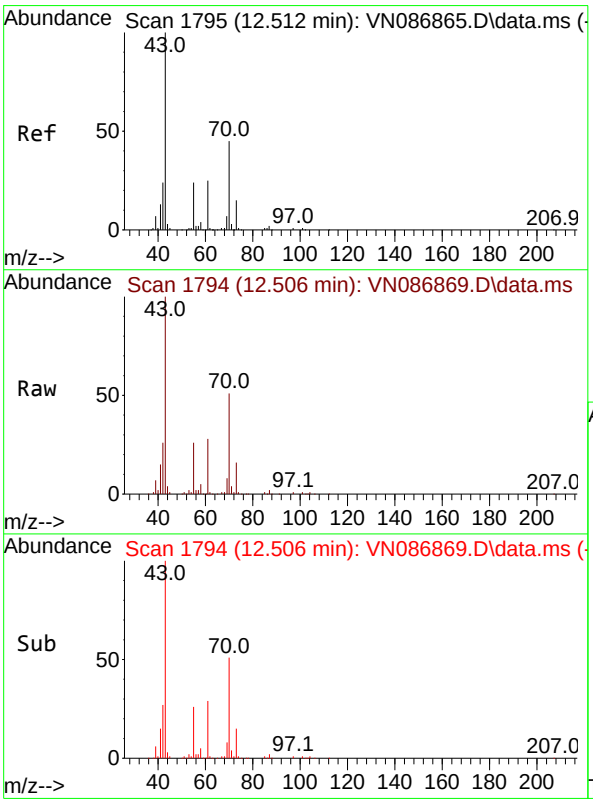
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

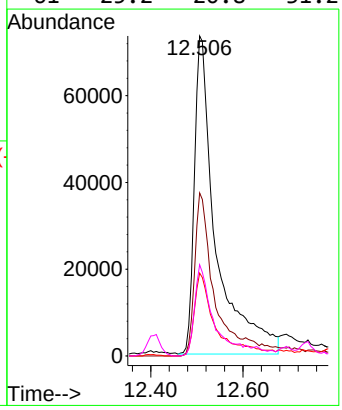
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

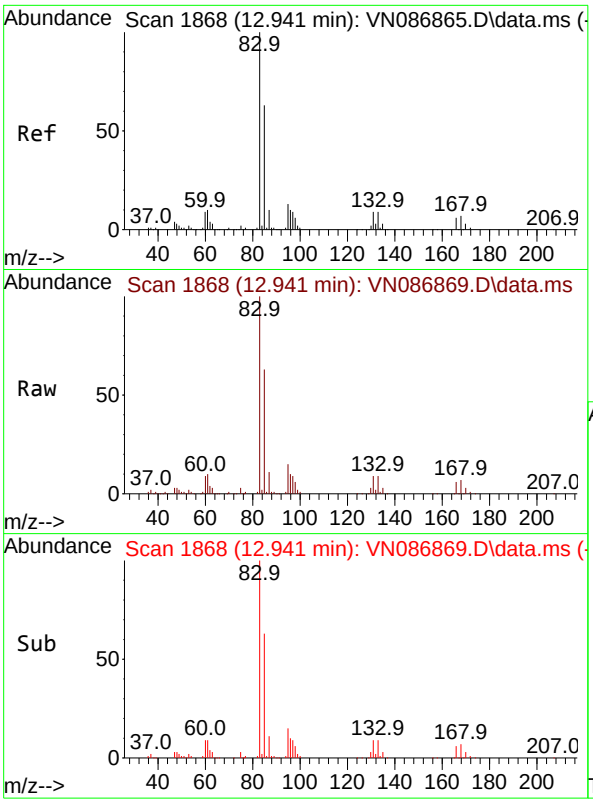


#74
N-amyl acetate
Concen: 54.212 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 238355

Ion	Ratio	Lower	Upper
43	100		
70	49.3	37.6	56.4
55	25.3	19.0	28.6
61	25.2	20.8	31.2

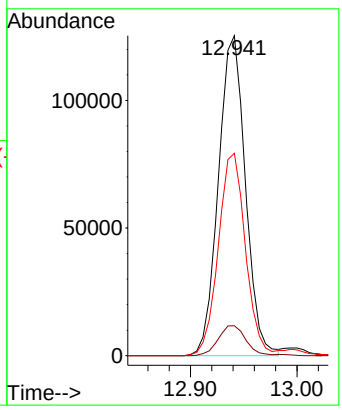




#75
1,1,2,2-Tetrachloroethane
Concen: 51.763 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 22064

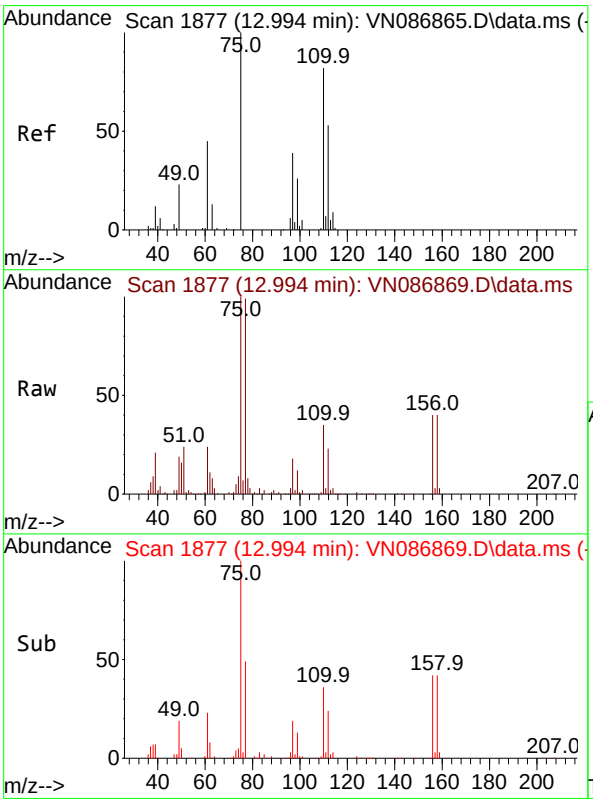
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.9	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

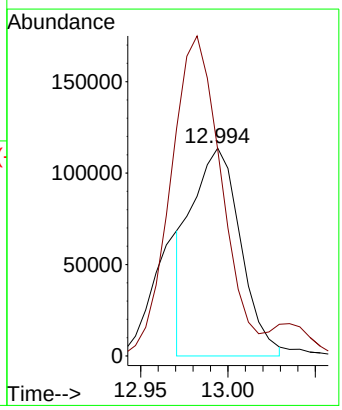
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

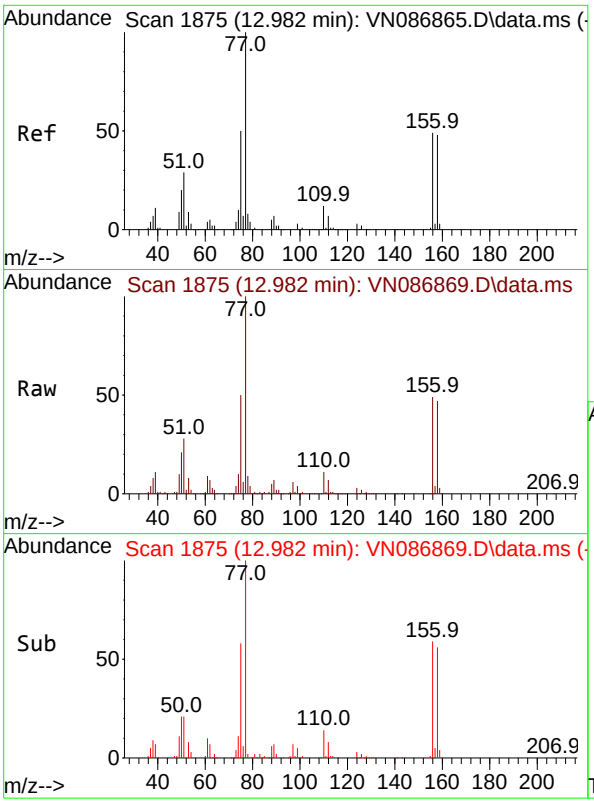


#76
1,2,3-Trichloropropane
Concen: 53.821 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 220957

Ion	Ratio	Lower	Upper
75	100		
77	160.5	79.3	237.9

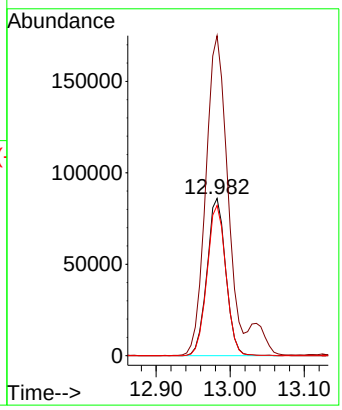




#77
Bromobenzene
Concen: 52.313 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:156 Resp: 15095

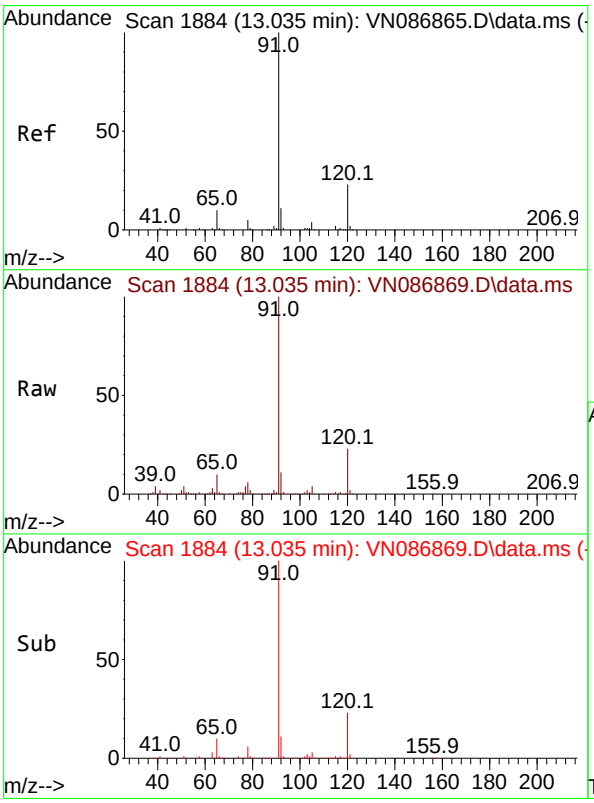
Ion	Ratio	Lower	Upper
156	100		
77	234.9	117.7	353.1
158	96.5	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

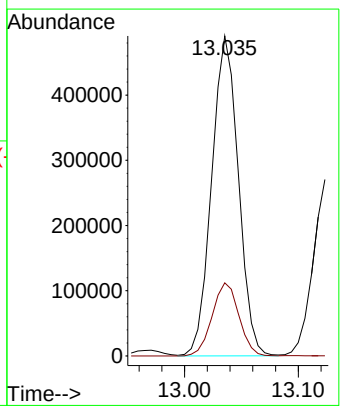
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

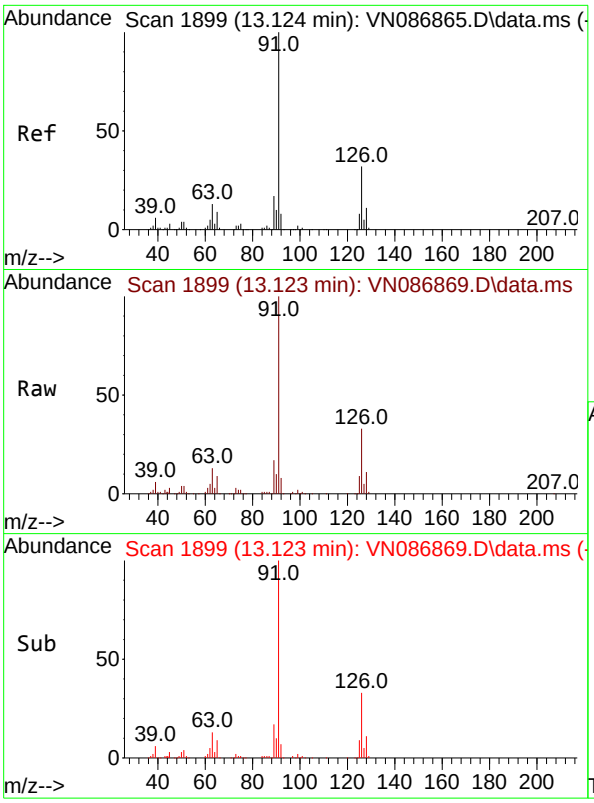


#78
n-propylbenzene
Concen: 52.397 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 801180

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

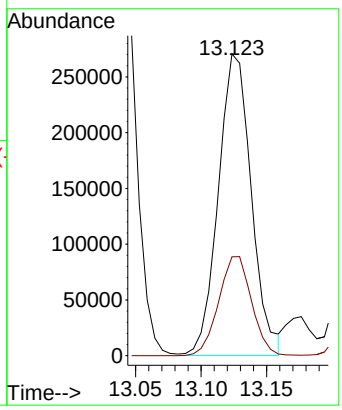




#79
2-Chlorotoluene
Concen: 51.650 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 47362

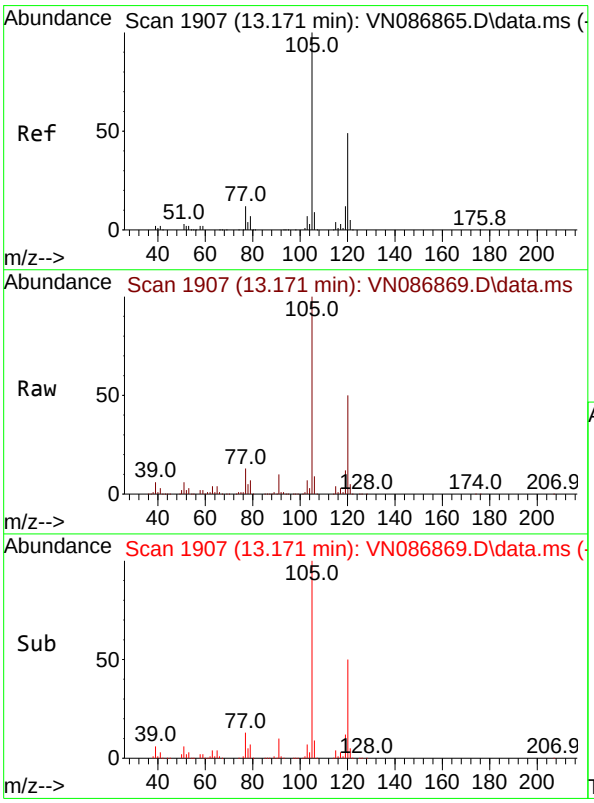
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

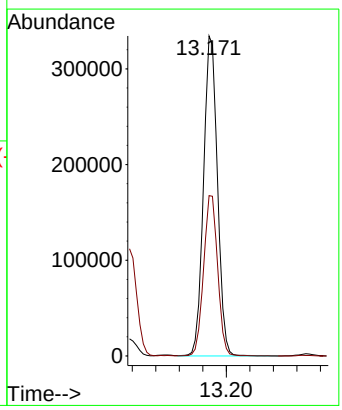
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

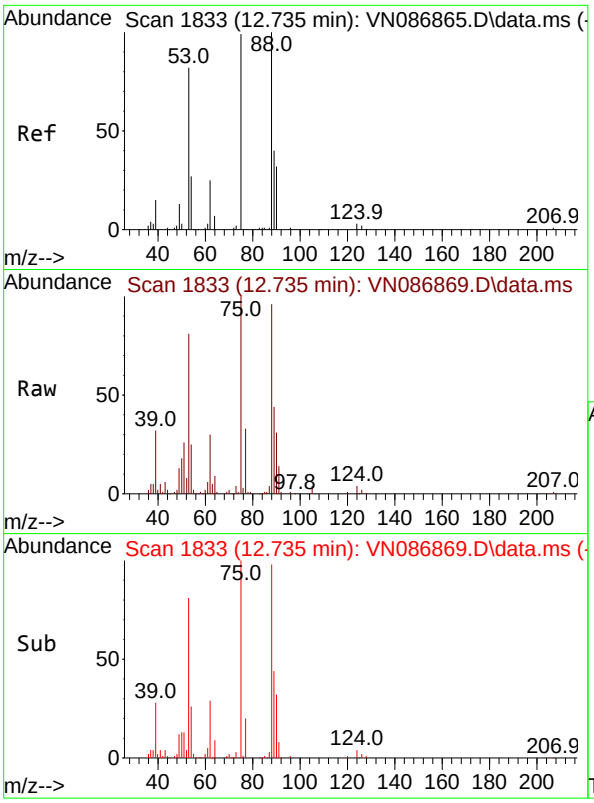


#80
1,3,5-Trimethylbenzene
Concen: 52.787 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 548347

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6

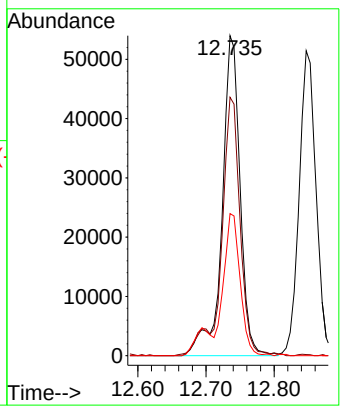




#81
trans-1,4-Dichloro-2-butene
Concen: 55.702 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 9934

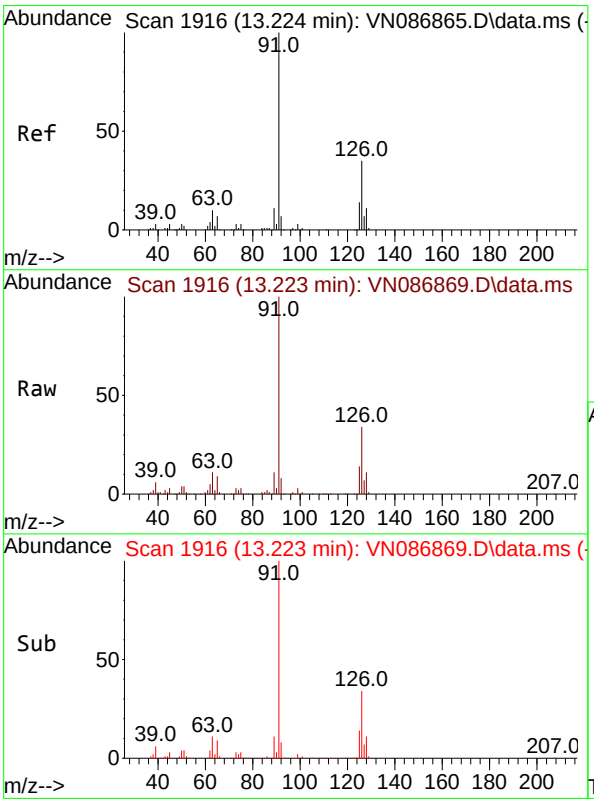
Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.6	99.8
89	40.4	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

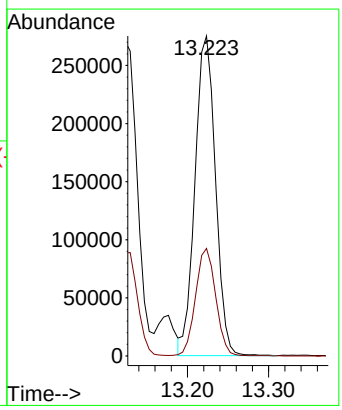
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

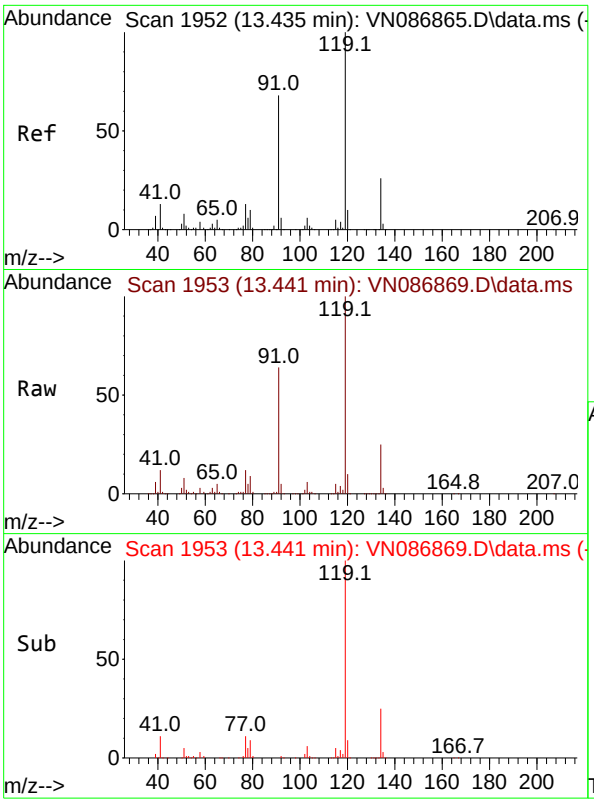


#82
4-Chlorotoluene
Concen: 51.884 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 481403

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1

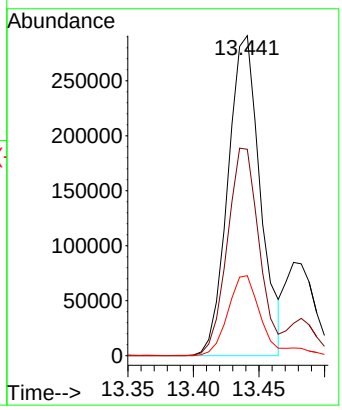




#83
tert-Butylbenzene
Concen: 52.532 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 49951

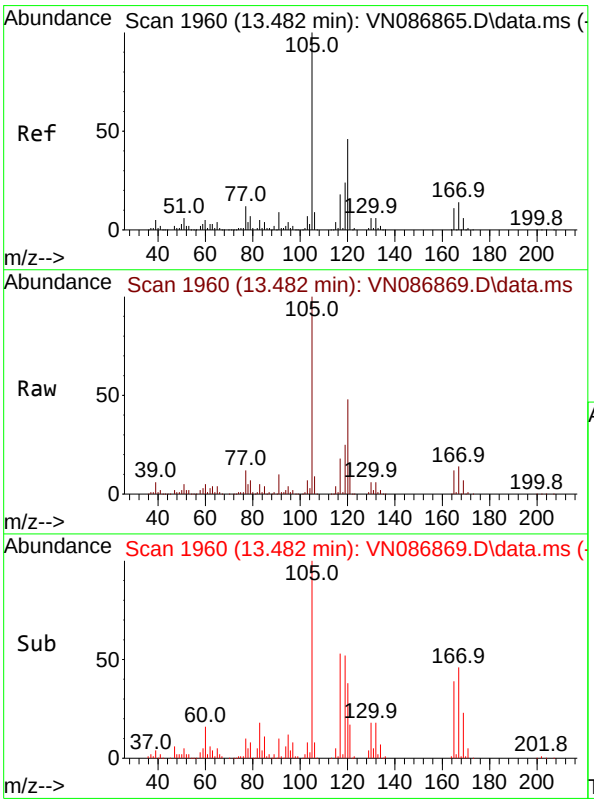
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.5
134	26.4	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

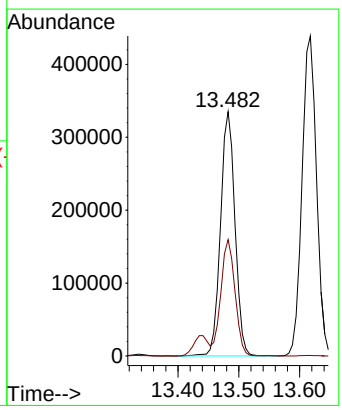
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

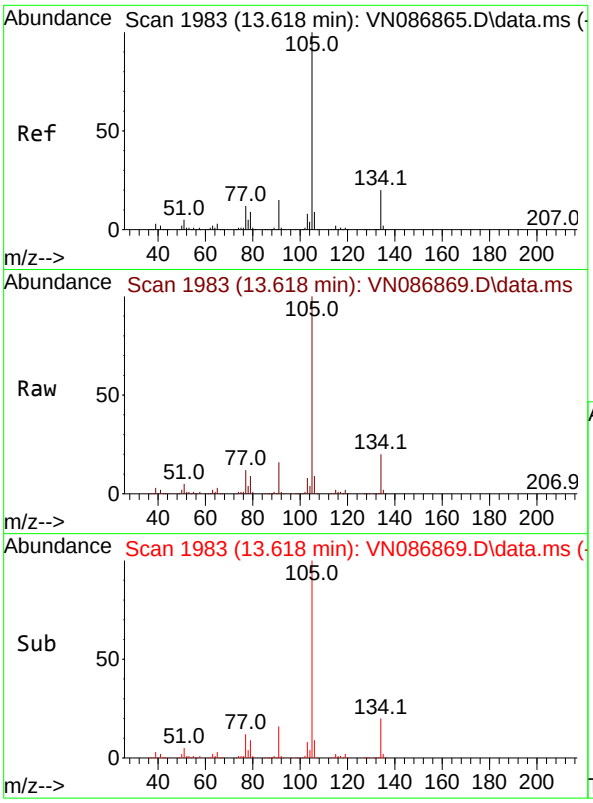


#84
1,2,4-Trimethylbenzene
Concen: 53.024 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 552333

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6

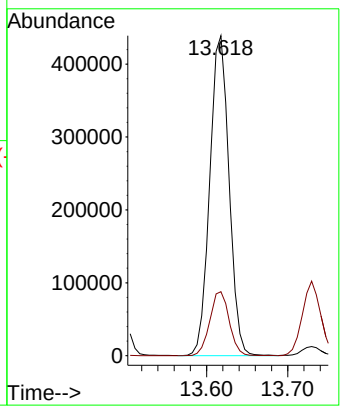




#85
sec-Butylbenzene
Concen: 52.428 ug/l
RT: 13.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 72398

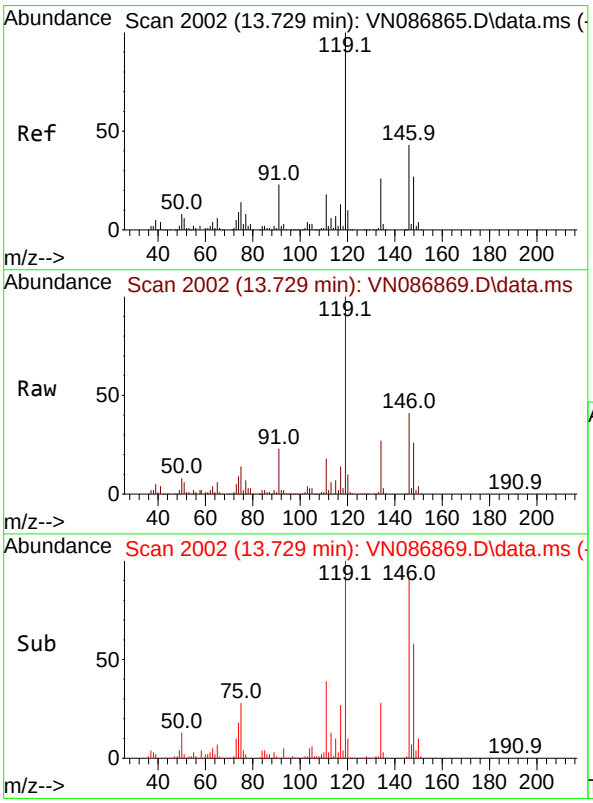
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

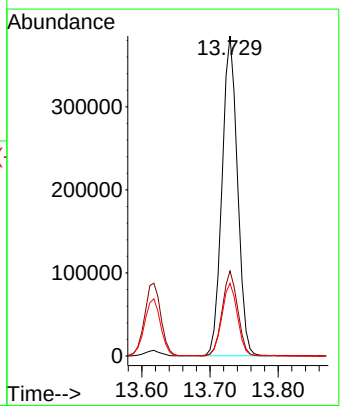
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

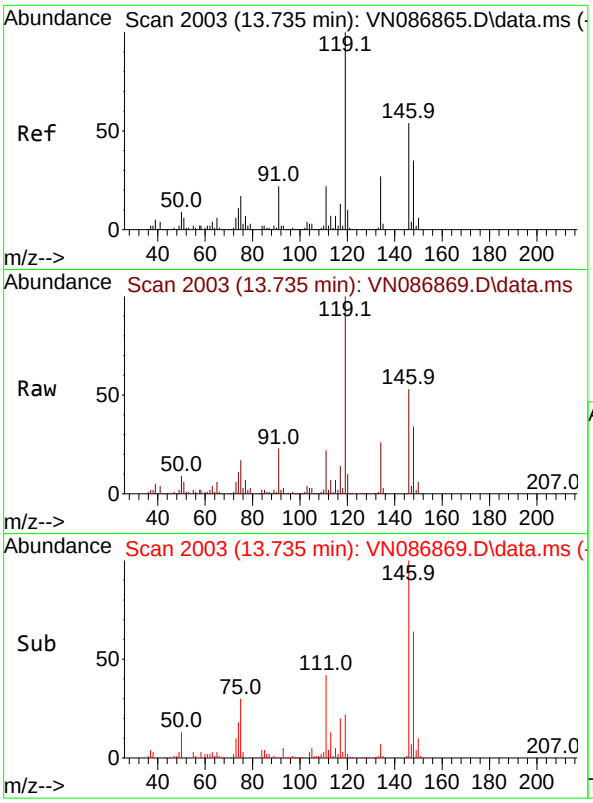


#86
p-Isopropyltoluene
Concen: 53.174 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 606979

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.7	11.5	34.4

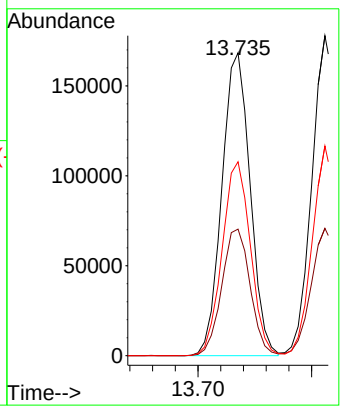




#87
1,3-Dichlorobenzene
Concen: 51.224 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 29081

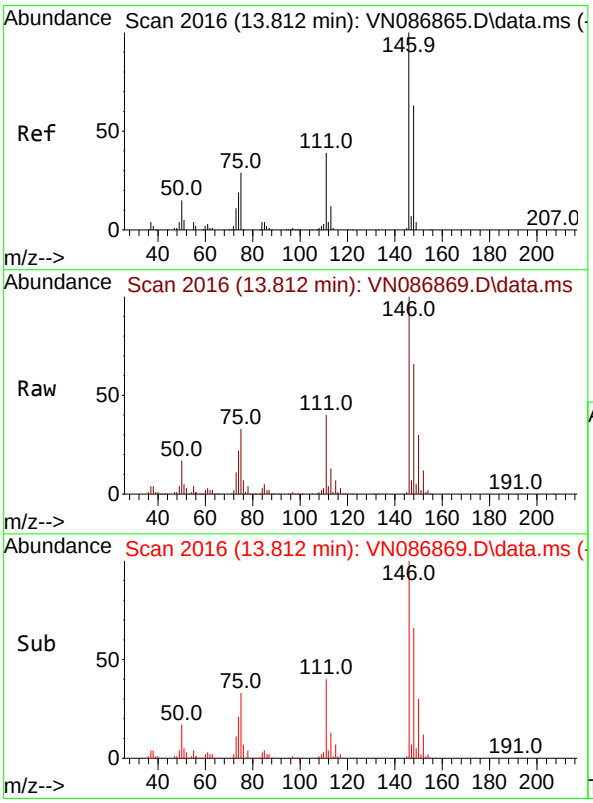
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.3	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

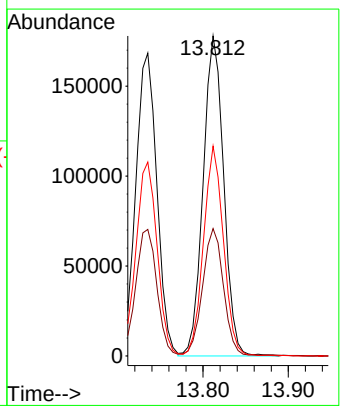
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

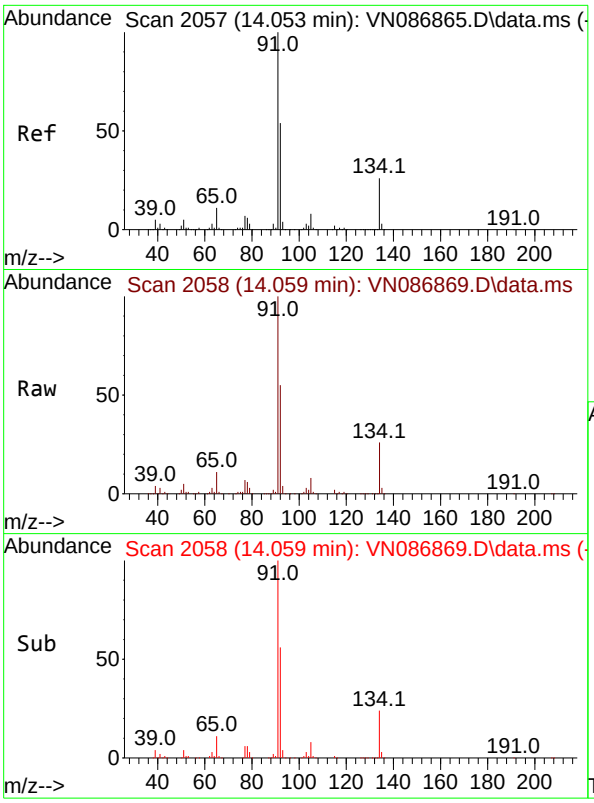


#88
1,4-Dichlorobenzene
Concen: 51.557 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 298412

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	63.3	31.8	95.4

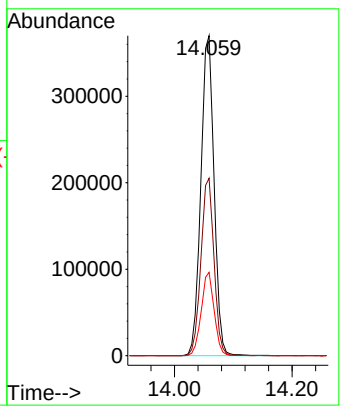




#89
n-Butylbenzene
Concen: 52.424 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 57963

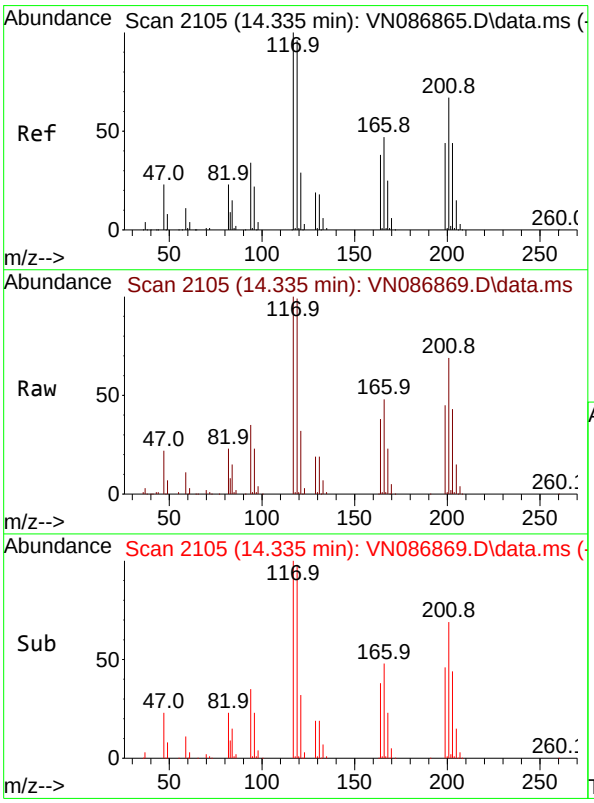
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.4
134	25.5	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

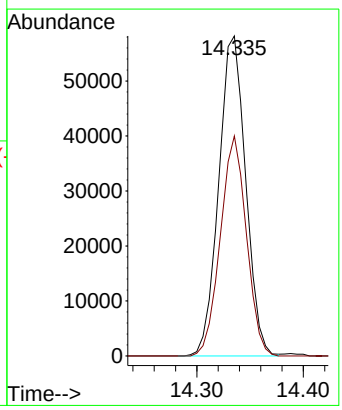
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

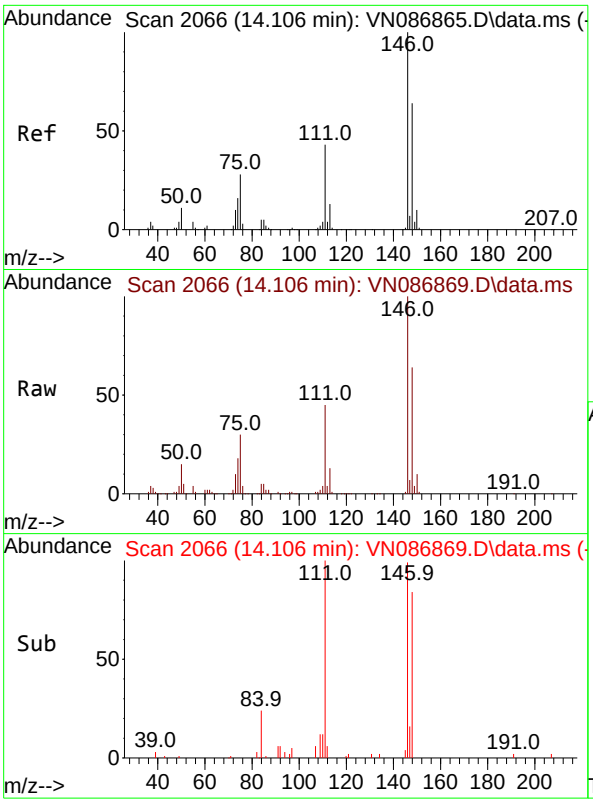


#90
Hexachloroethane
Concen: 52.847 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 102254

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6

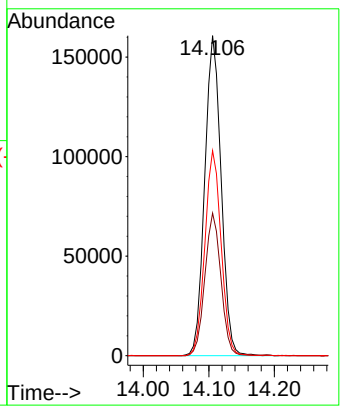




#91
1,2-Dichlorobenzene
Concen: 51.340 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 28002

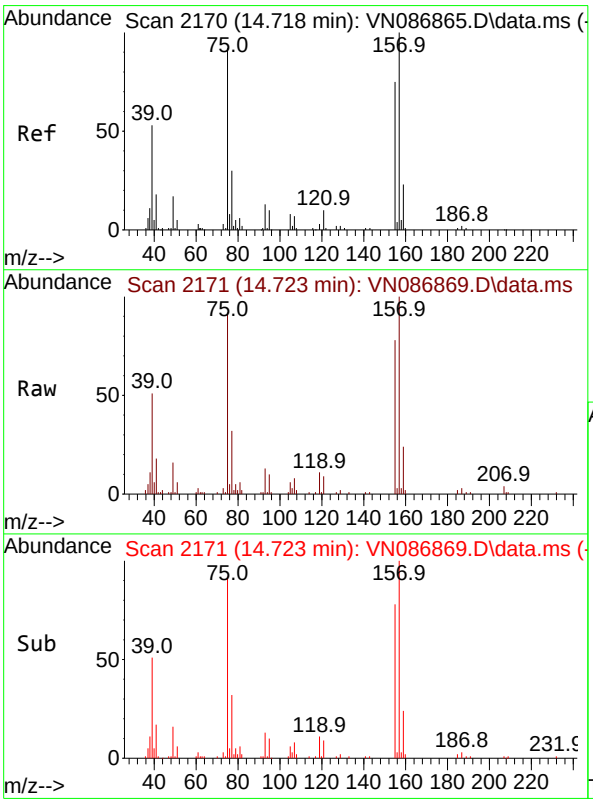
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

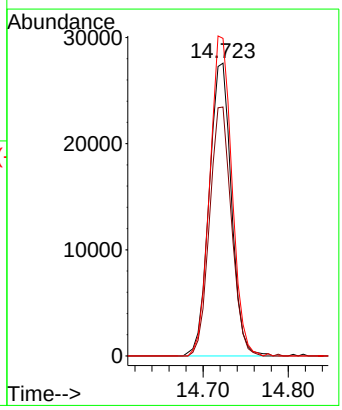
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

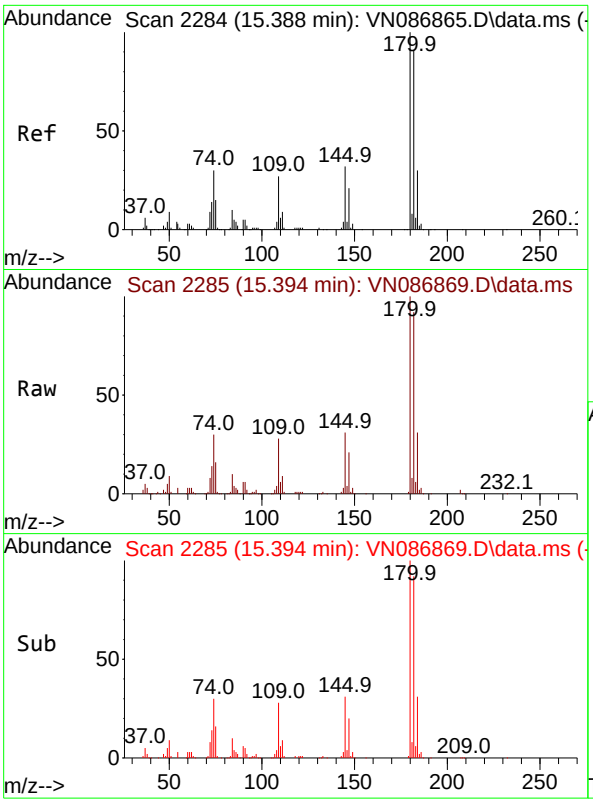


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.161 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 50115

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.4
157	108.6	52.7	158.1

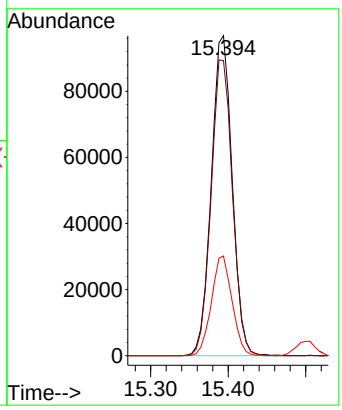




#93
1,2,4-Trichlorobenzene
Concen: 51.986 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 18106

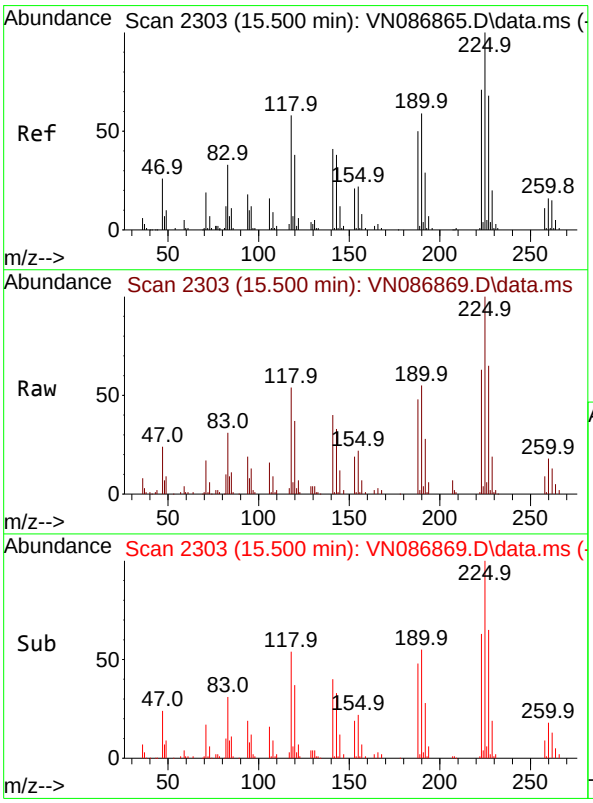
Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	30.8	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

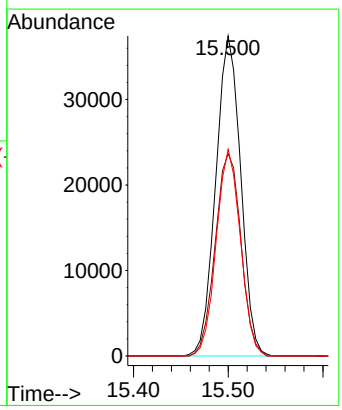
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

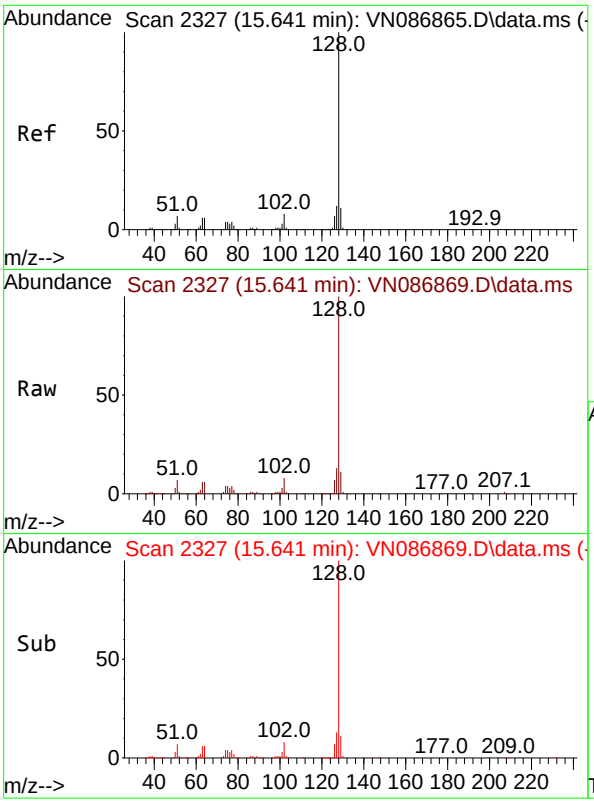


#94
Hexachlorobutadiene
Concen: 52.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:225 Resp: 68570

Ion	Ratio	Lower	Upper
225	100		
223	65.3	33.5	100.4
227	62.5	31.1	93.5

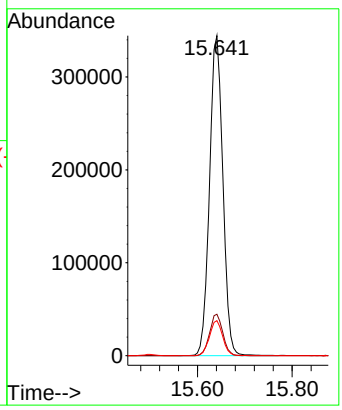




#95
Naphthalene
Concen: 52.005 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:128 Resp: 67418

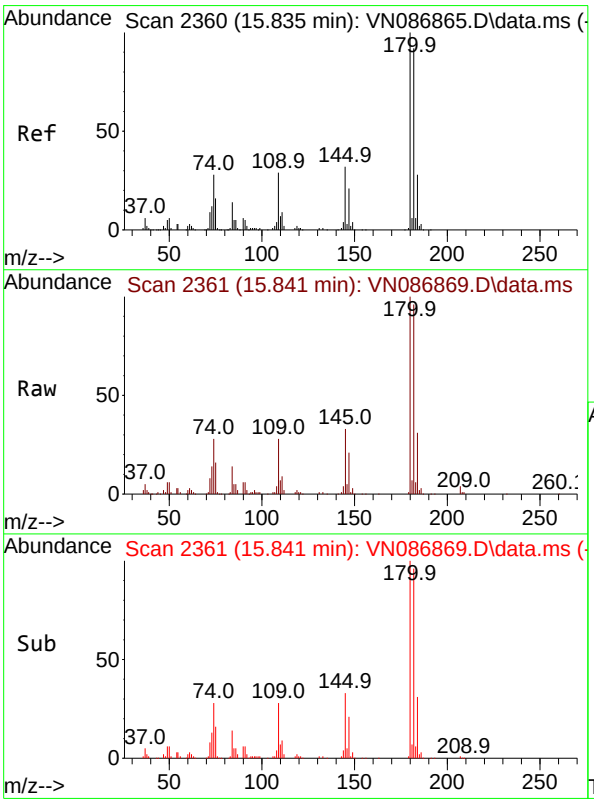
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

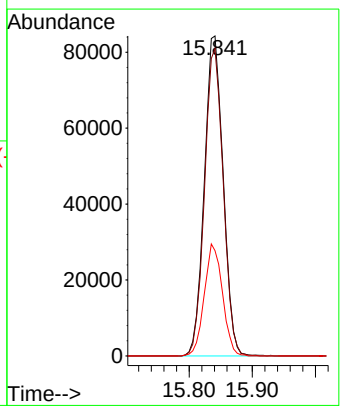
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.539 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 174888

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.8	16.6	49.8



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.013	-1.1	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.539	-1.1	110	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: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 08:37

Lab File ID: VN086888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.544	0.1	-15.53	20
Vinyl Chloride	0.664	0.635		-4.37	20
Bromomethane	0.372	0.326		-12.37	20
Chloroethane	0.429	0.413		-3.73	20
Trichlorofluoromethane	0.868	0.839		-3.34	20
1,1,2-Trichlorotrifluoroethane	0.545	0.522		-4.22	20
1,1-Dichloroethene	0.557	0.556		-0.18	20
Acetone	0.355	0.307		-13.52	20
Carbon Disulfide	1.539	1.421		-7.67	20
Methyl tert-butyl Ether	2.015	1.978		-1.84	20
Methylene Chloride	0.665	0.619		-6.92	20
trans-1,2-Dichloroethene	0.619	0.584		-5.65	20
1,1-Dichloroethane	1.120	1.054	0.1	-5.89	20
2-Butanone	0.577	0.476		-17.5	20
Carbon Tetrachloride	0.433	0.431		-0.46	20
cis-1,2-Dichloroethene	0.740	0.720		-2.7	20
Chloroform	1.118	1.055		-5.64	20
1,1,1-Trichloroethane	0.951	0.876		-7.89	20
Methylcyclohexane	0.605	0.539		-10.91	20
Benzene	1.444	1.423		-1.45	20
1,2-Dichloroethane	0.438	0.420		-4.11	20
Trichloroethene	0.342	0.352		2.92	20
1,2-Dichloropropane	0.351	0.346		-1.42	20
Bromodichloromethane	0.480	0.479		-0.21	20
4-Methyl-2-Pentanone	0.543	0.507		-6.63	20
Toluene	0.882	0.878		-0.45	20
t-1,3-Dichloropropene	0.537	0.560		4.28	20
cis-1,3-Dichloropropene	0.574	0.596		3.83	20
1,1,2-Trichloroethane	0.340	0.341		0.29	20
2-Hexanone	0.350	0.342		-2.29	20
Dibromochloromethane	0.354	0.375		5.93	20
Tetrachloroethene	0.316	0.318		0.63	20
Chlorobenzene	1.103	1.140	0.3	3.35	20
Ethyl Benzene	1.900	1.881		-1	20
m/p-Xylenes	0.727	0.742		2.06	20
o-Xylene	0.696	0.721		3.59	20
Styrene	1.192	1.249		4.78	20
Bromoform	0.263	0.300	0.1	14.07	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 08:37

Lab File ID: VN086888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.723		2.2	20
1,1,2,2-Tetrachloroethane	1.234	1.314	0.3	6.48	20
1,3-Dichlorobenzene	1.644	1.715		4.32	20
1,4-Dichlorobenzene	1.676	1.755		4.71	20
1,2-Dichlorobenzene	1.579	1.648		4.37	20
1,2-Dichloroethane-d4	0.669	0.579		-13.45	20
Dibromofluoromethane	0.296	0.295		-0.34	20
Toluene-d8	1.173	1.125		-4.09	20
4-Bromofluorobenzene	0.436	0.405		-7.11	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_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	261450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151401	43.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.500%			
35) Dibromofluoromethane	8.171	113	133059	49.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.400%			
50) Toluene-d8	10.565	98	508186	47.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.847	95	183178	46.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	131431	50.418	ug/l	100
3) Chloromethane	2.395	50	142334	42.283	ug/l	100
4) Vinyl Chloride	2.553	62	165927	47.784	ug/l	100
5) Bromomethane	2.995	94	85311	43.902	ug/l	97
6) Chloroethane	3.153	64	108042	48.168	ug/l	97
7) Trichlorofluoromethane	3.530	101	219379	48.355	ug/l	98
8) Diethyl Ether	3.983	74	100884	51.036	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	136423	47.861	ug/l	98
10) Methyl Iodide	4.612	142	158675	42.943	ug/l	99
11) Tert butyl alcohol	5.536	59	189595	199.609	ug/l	100
12) 1,1-Dichloroethene	4.365	96	145286	49.926	ug/l	93
13) Acrolein	4.200	56	58499	194.571	ug/l	99
14) Allyl chloride	5.047	41	208266	43.154	ug/l	94
15) Acrylonitrile	5.730	53	500417	225.403	ug/l	99
16) Acetone	4.442	43	400746	215.878	ug/l	97
17) Carbon Disulfide	4.736	76	371521	46.155	ug/l	100
18) Methyl Acetate	5.041	43	233967	43.249	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	517229	49.089	ug/l	100
20) Methylene Chloride	5.300	84	161828	46.563	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	152734	47.175	ug/l	94
22) Diisopropyl ether	6.683	45	463864	45.597	ug/l	96
23) Vinyl Acetate	6.618	43	1964382	228.547	ug/l	97
24) 1,1-Dichloroethane	6.588	63	275601	47.076	ug/l	99
25) 2-Butanone	7.488	43	622664	206.354	ug/l	96
26) 2,2-Dichloropropane	7.500	77	242583	53.268	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	188349	48.643	ug/l	97
28) Bromochloromethane	7.824	49	118085	41.024	ug/l	89
29) Tetrahydrofuran	7.847	42	407833	207.479	ug/l	94
30) Chloroform	7.977	83	275806	47.175	ug/l	97
31) Cyclohexane	8.265	56	231271	40.735	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	228902	46.033	ug/l	96
36) 1,1-Dichloropropene	8.377	75	196210	49.186	ug/l	98
37) Ethyl Acetate	7.571	43	233388	45.959	ug/l	99
38) Carbon Tetrachloride	8.371	117	194527	49.670	ug/l	99
39) Methylcyclohexane	9.606	83	243701	44.591	ug/l	95
40) Benzene	8.612	78	642732	49.272	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	127571	44.731	ug/l		93
42) 1,2-Dichloroethane	8.677	62	189921	48.002	ug/l		98
43) Isopropyl Acetate	8.694	43	373849	45.868	ug/l		96
44) Trichloroethene	9.353	130	159166	51.458	ug/l		98
45) 1,2-Dichloropropane	9.624	63	156517	49.319	ug/l		99
46) Dibromomethane	9.712	93	109794	52.086	ug/l		96
47) Bromodichloromethane	9.888	83	216561	49.933	ug/l		99
48) Methyl methacrylate	9.682	41	170025	45.323	ug/l		95
49) 1,4-Dioxane	9.700	88	61836	906.076	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	1145420	233.442	ug/l		96
52) Toluene	10.629	92	396562	49.745	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	252866	52.141	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	269095	51.859	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	153943	50.186	ug/l		99
56) Ethyl methacrylate	10.876	69	265661	54.375	ug/l		92
57) 1,3-Dichloropropane	11.165	76	265229	49.844	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	673133	230.994	ug/l		96
59) 2-Hexanone	11.200	43	772443	244.401	ug/l		96
60) Dibromochloromethane	11.359	129	169362	52.993	ug/l		99
61) 1,2-Dibromoethane	11.470	107	160398	51.016	ug/l		100
64) Tetrachloroethene	11.106	164	121144	50.252	ug/l		95
65) Chlorobenzene	11.888	112	434126	51.673	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142266	52.679	ug/l		99
67) Ethyl Benzene	11.965	91	716652	49.523	ug/l		100
68) m/p-Xylenes	12.070	106	565069	102.006	ug/l		97
69) o-Xylene	12.394	106	274597	51.757	ug/l		96
70) Styrene	12.412	104	475772	52.406	ug/l		99
71) Bromoform	12.576	173	114286	57.115	ug/l	#	99
73) Isopropylbenzene	12.694	105	664595	51.104	ug/l		99
74) N-amyl acetate	12.506	43	251426	55.326	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	234561	53.240	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	198486m	46.776	ug/l		
77) Bromobenzene	12.982	156	168142	56.377	ug/l		94
78) n-propylbenzene	13.035	91	787597	49.835	ug/l		98
79) 2-Chlorotoluene	13.123	91	476012	50.223	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	544603	50.722	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	106090	57.553	ug/l		89
82) 4-Chlorotoluene	13.217	91	488581	50.946	ug/l		98
83) tert-Butylbenzene	13.435	119	499574	50.830	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	553058	51.368	ug/l		100
85) sec-Butylbenzene	13.612	105	691815	48.470	ug/l		99
86) p-Isopropyltoluene	13.729	119	588262	49.859	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	306195	52.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	313266	52.364	ug/l		99
89) n-Butylbenzene	14.053	91	525720	46.003	ug/l		98
90) Hexachloroethane	14.329	117	98638	49.322	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	294253	52.195	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49360	46.847	ug/l		87
93) 1,2,4-Trichlorobenzene	15.388	180	175725	48.814	ug/l		99
94) Hexachlorobutadiene	15.500	225	57205	42.652	ug/l		98
95) Naphthalene	15.635	128	668022	49.854	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	167447	46.816	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

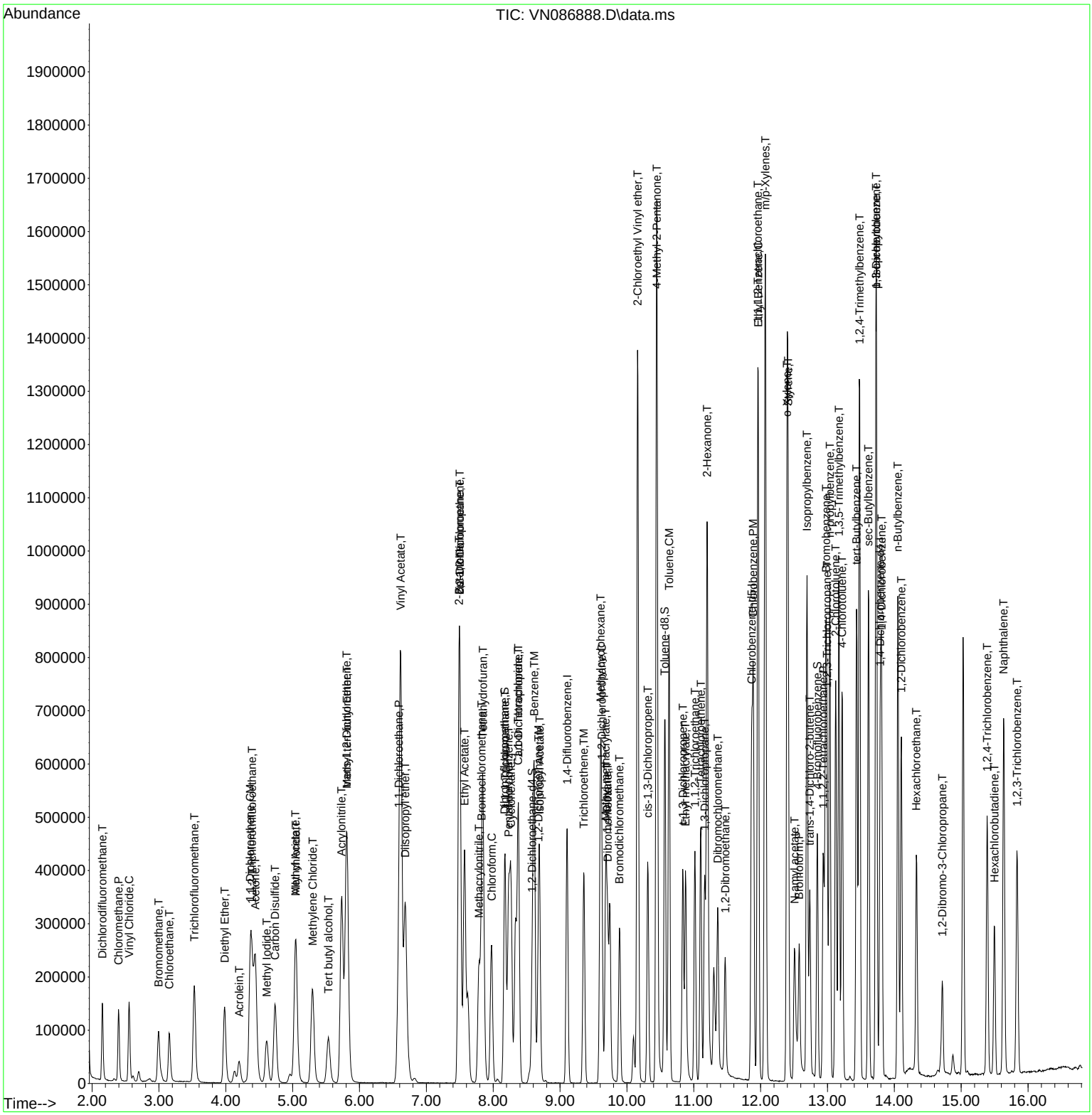
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Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

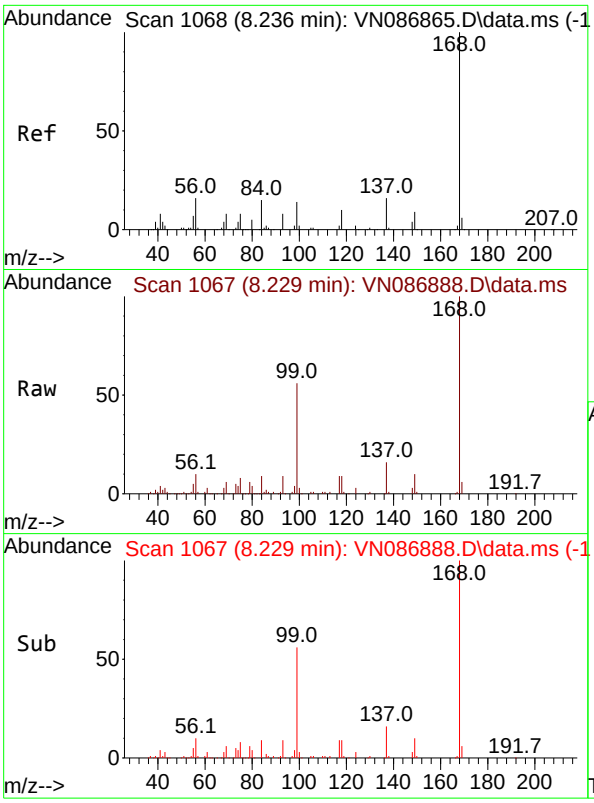
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

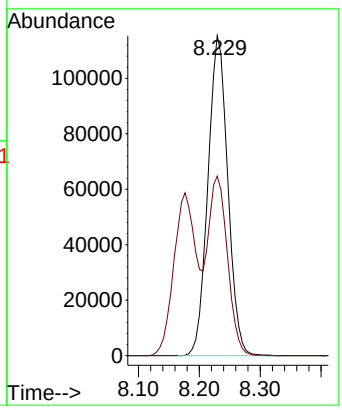




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:168 Resp: 26145

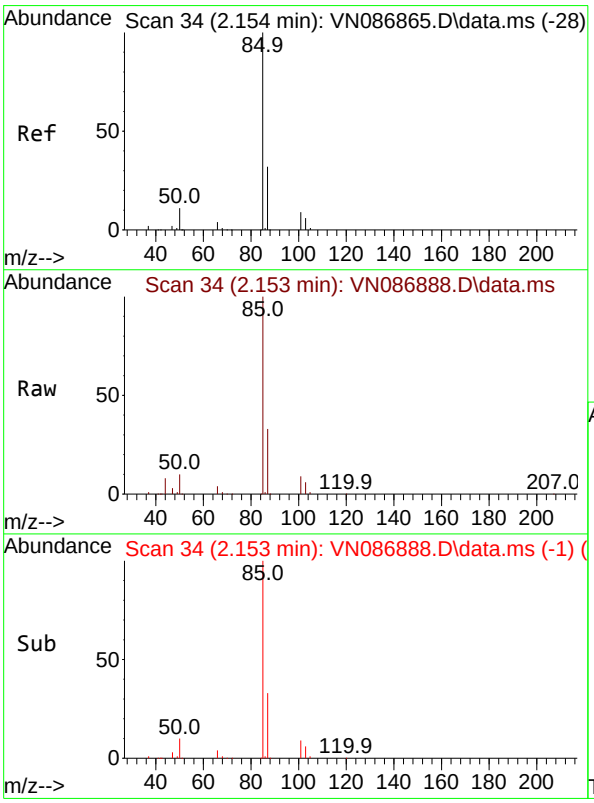
Ion	Ratio	Lower	Upper
168	100		
99	56.1	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

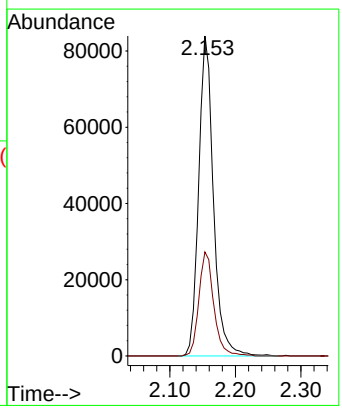
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

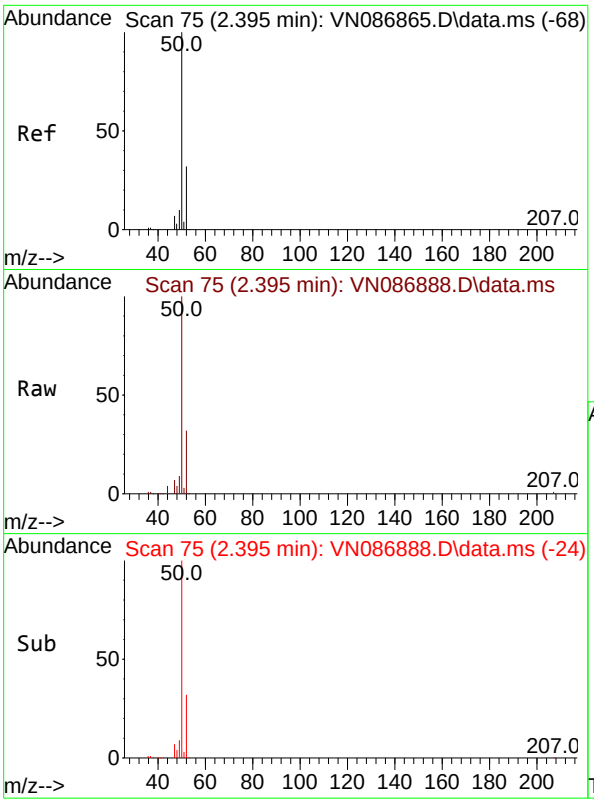


#2
Dichlorodifluoromethane
Concen: 50.418 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 85 Resp: 131431

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6

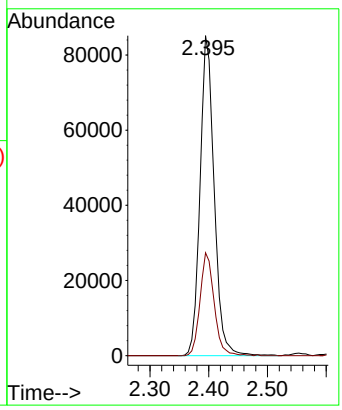




#3
Chloromethane
Concen: 42.283 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 50 Resp: 14233

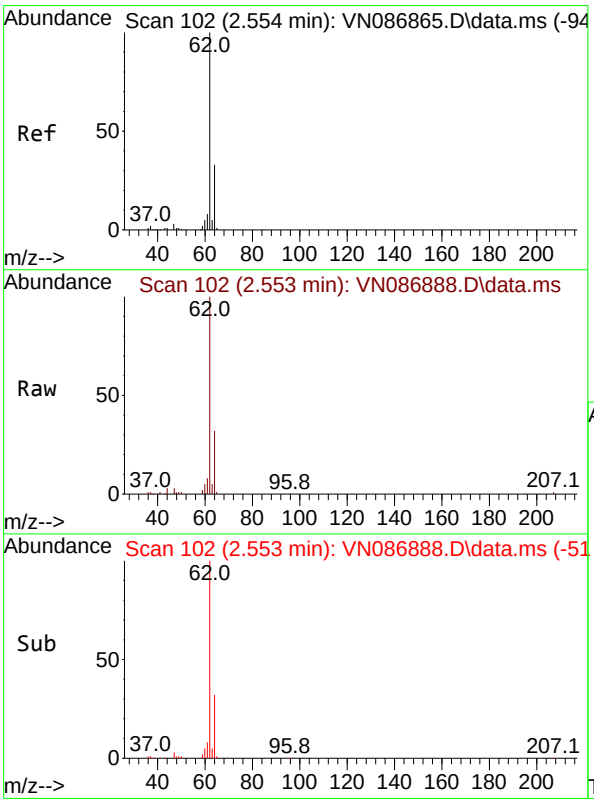
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

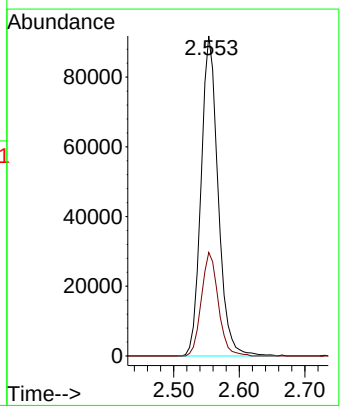
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

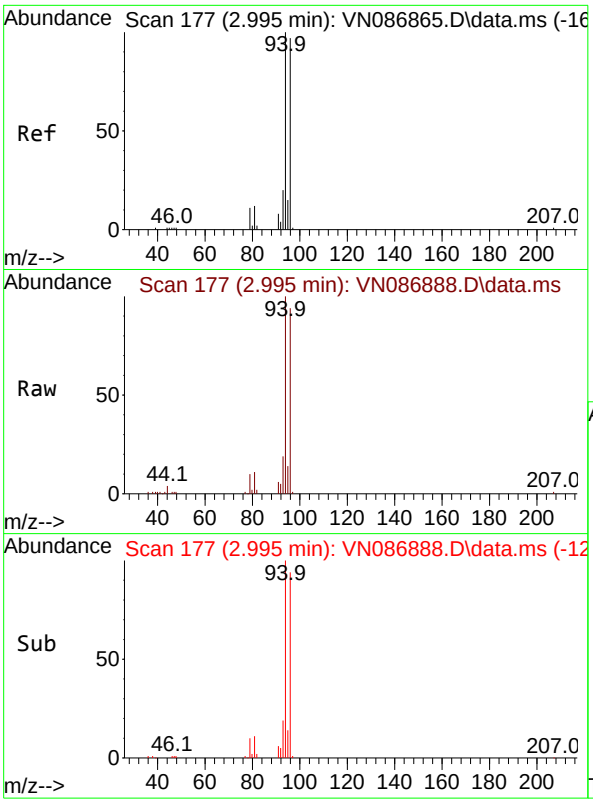


#4
Vinyl Chloride
Concen: 47.784 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 62 Resp: 165927

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.0	39.0

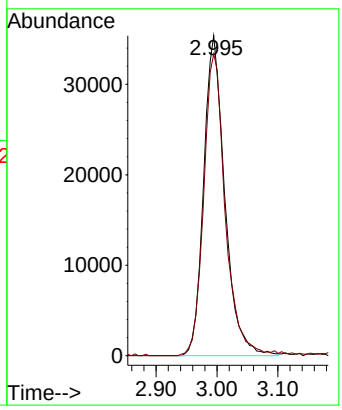




#5
Bromomethane
Concen: 43.902 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 94 Resp: 8531

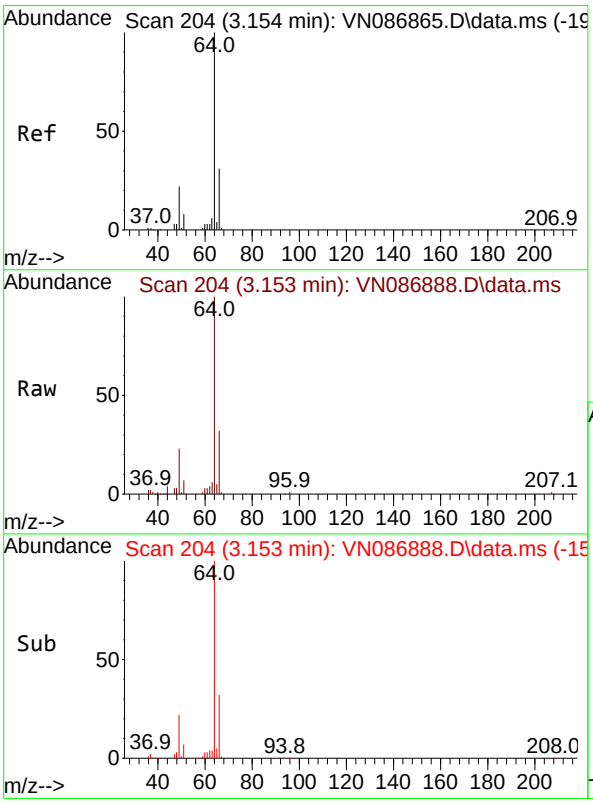
Ion	Ratio	Lower	Upper
94	100		
96	94.3	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

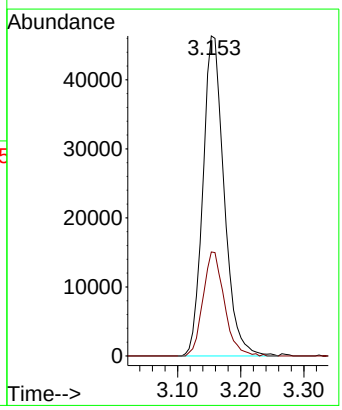
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

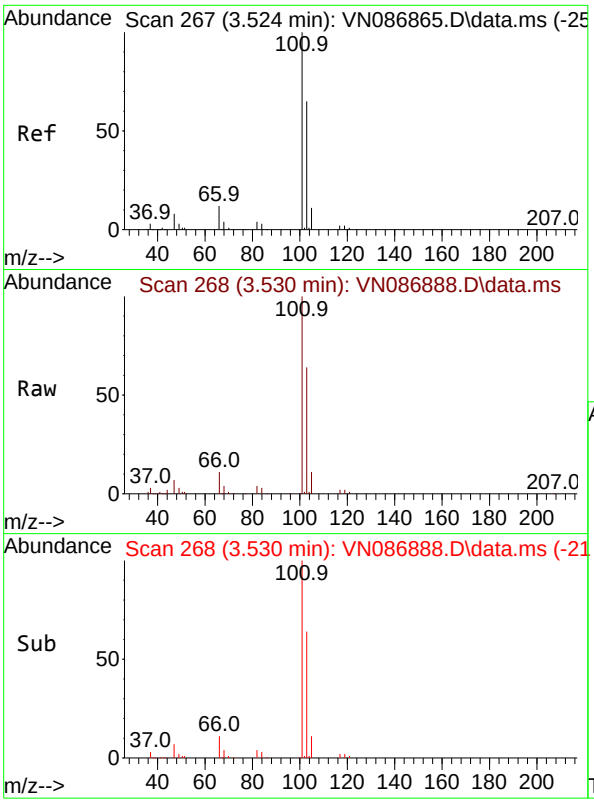


#6
Chloroethane
Concen: 48.168 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 64 Resp: 108042

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8

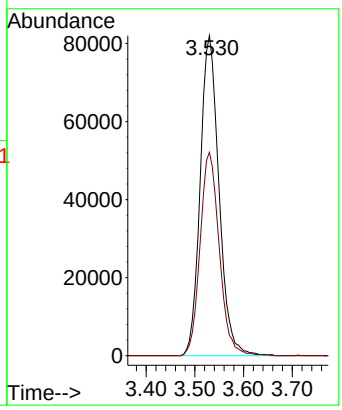




#7
Trichlorofluoromethane
Concen: 48.355 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:101 Resp: 21937

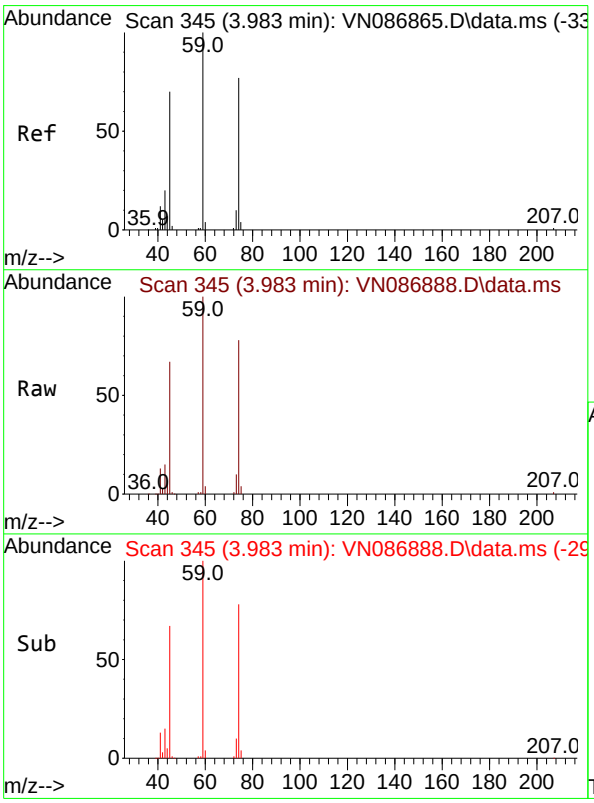
Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

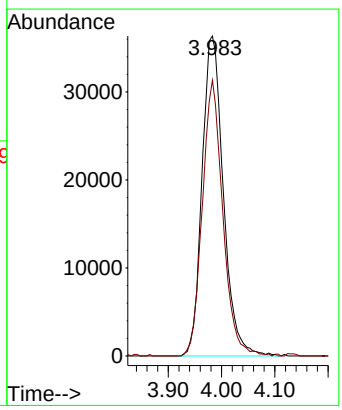
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

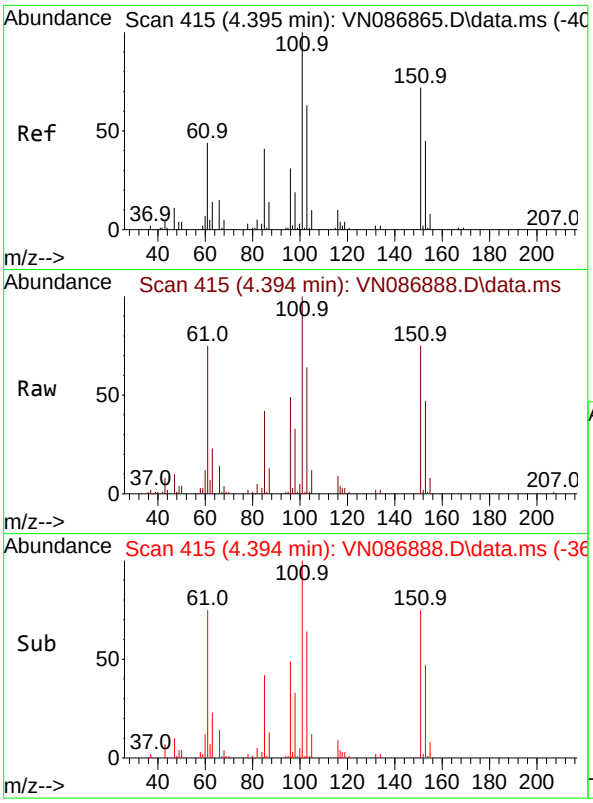


#8
Diethyl Ether
Concen: 51.036 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 74 Resp: 100884

Ion	Ratio	Lower	Upper
74	100		
45	83.0	45.5	136.5

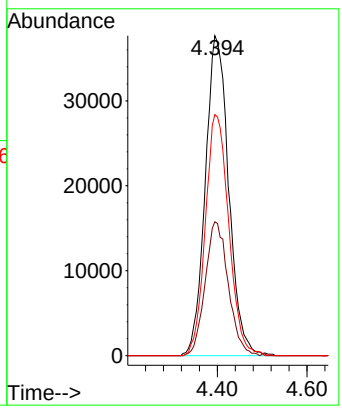




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.861 ug/l
RT: 4.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:101 Resp: 13642

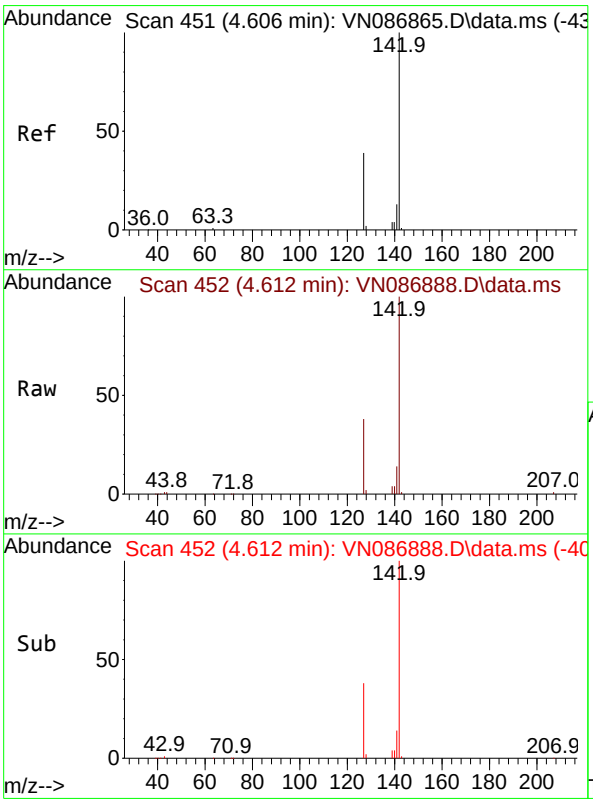
Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.8	50.8
151	75.5	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

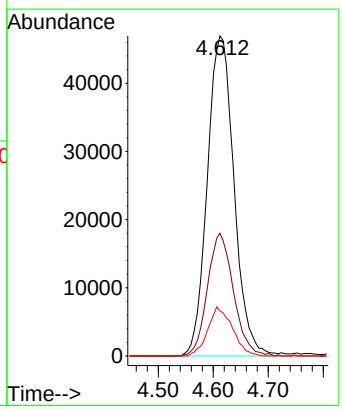
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

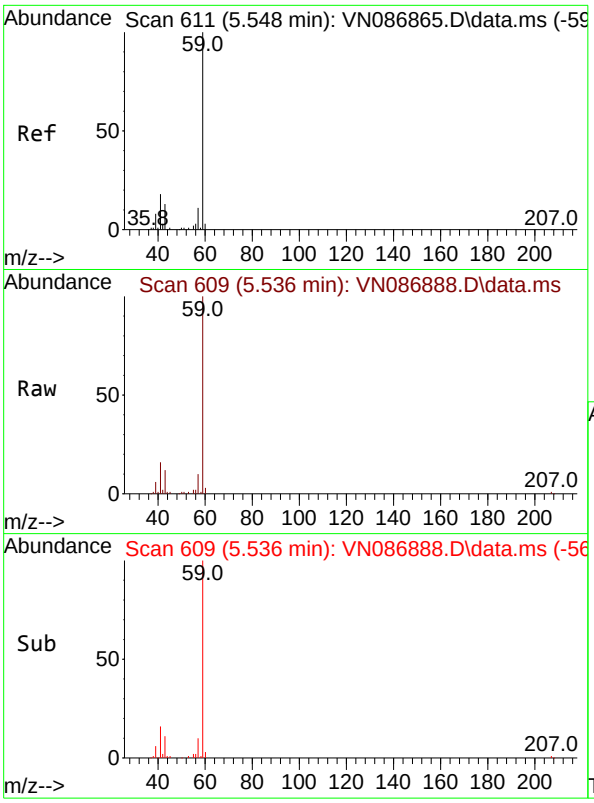


#10
Methyl Iodide
Concen: 42.943 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:142 Resp: 158675

Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.9	46.3
141	14.1	10.4	15.6

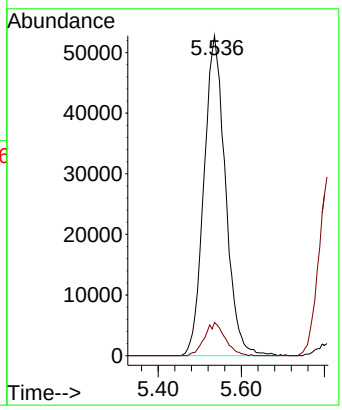




#11
Tert butyl alcohol
Concen: 199.609 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 59 Resp: 18959

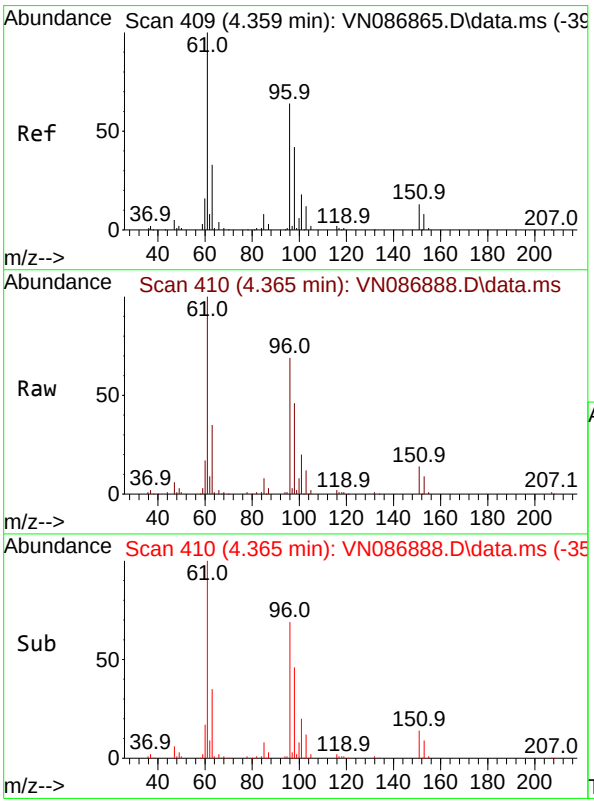
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

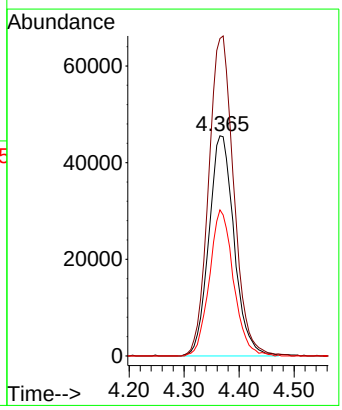
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

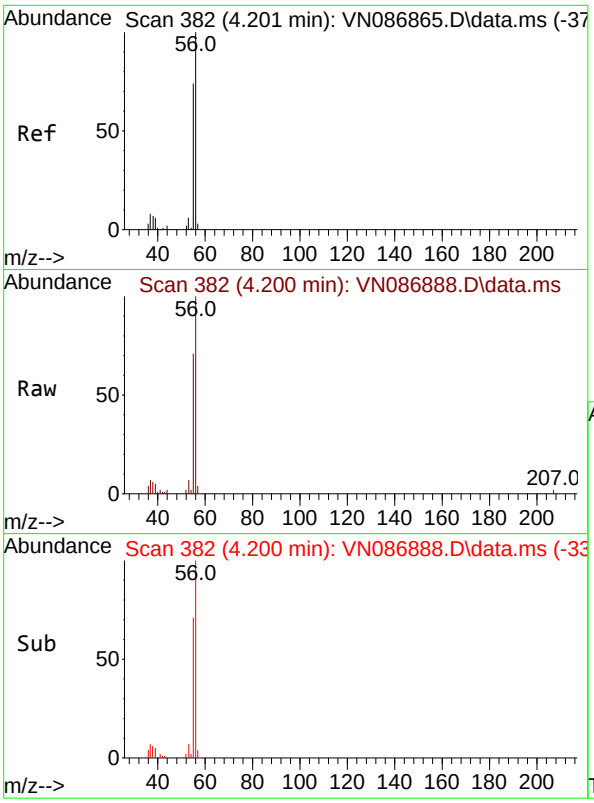


#12
1,1-Dichloroethene
Concen: 49.926 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 96 Resp: 145286

Ion	Ratio	Lower	Upper
96	100		
61	144.2	125.8	188.6
98	66.3	52.5	78.7

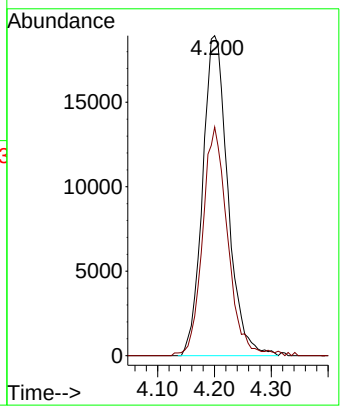




#13
Acrolein
Concen: 194.571 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 56 Resp: 5849

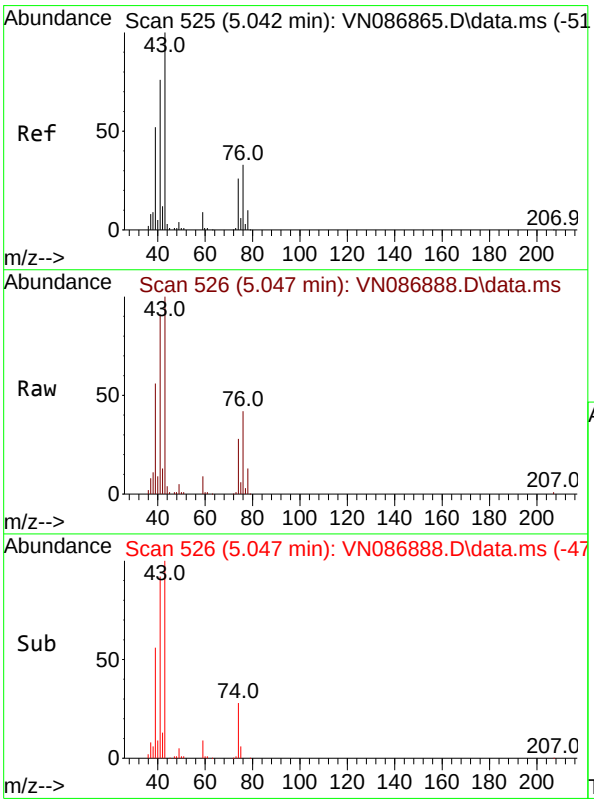
Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

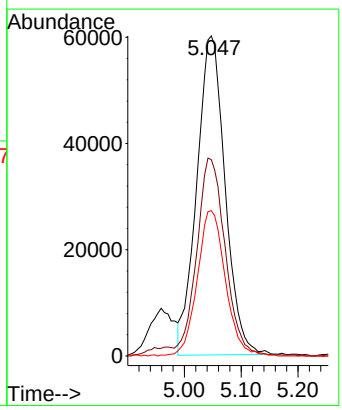
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

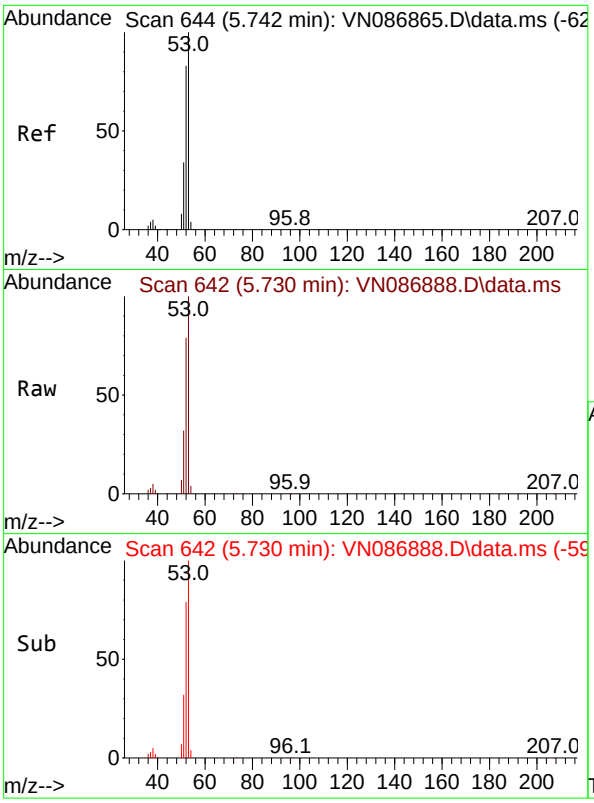


#14
Allyl chloride
Concen: 43.154 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 41 Resp: 208266

Ion	Ratio	Lower	Upper
41	100		
39	61.7	51.3	76.9
76	45.2	31.4	47.0

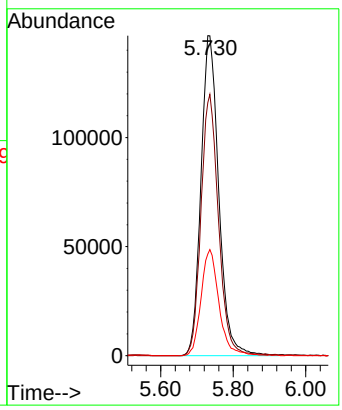




#15
Acrylonitrile
Concen: 225.403 ug/l
RT: 5.730 min Scan# 64
Delta R.T. -0.012 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 53 Resp: 50041

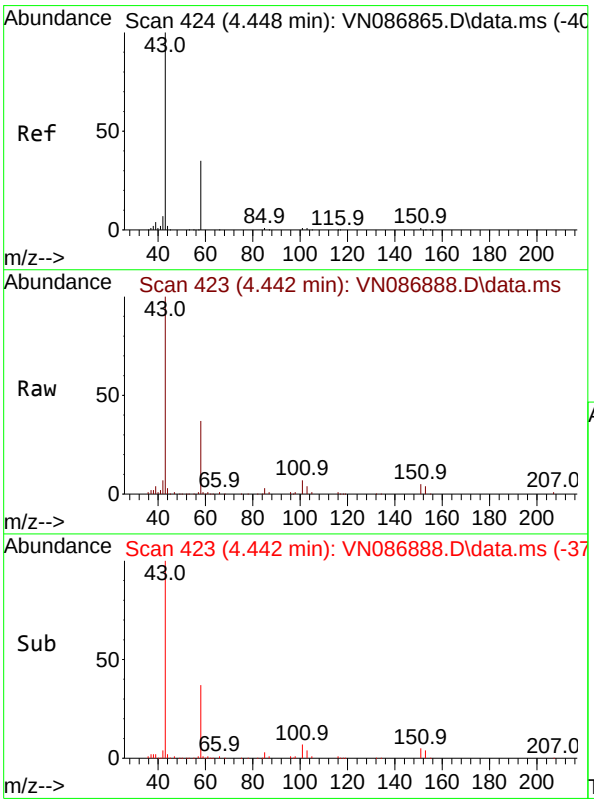
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	33.3	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

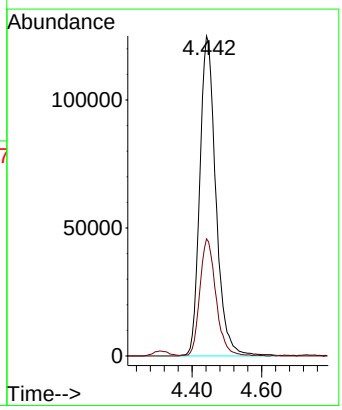
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

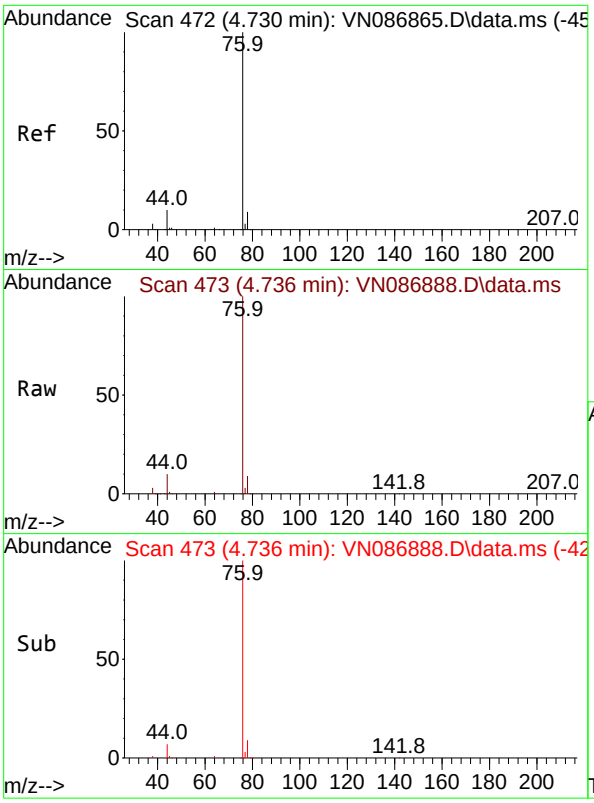


#16
Acetone
Concen: 215.878 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 400746

Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.0	42.0

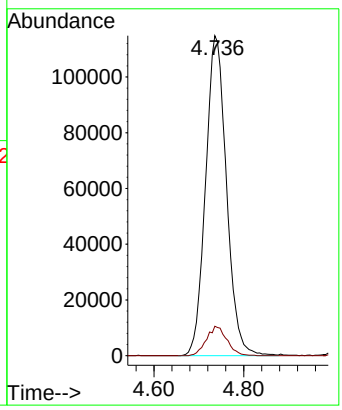




#17
Carbon Disulfide
Concen: 46.155 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 76 Resp: 37152

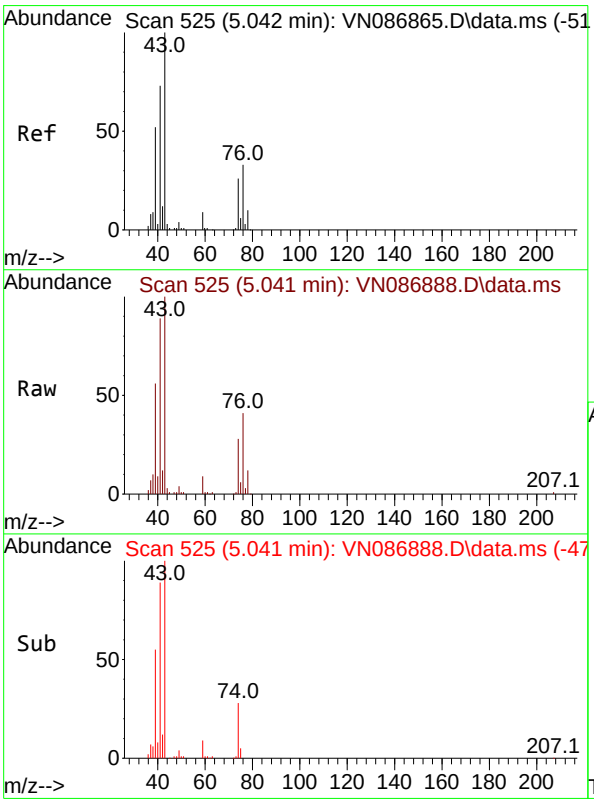
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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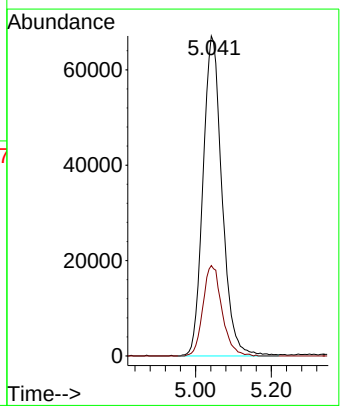
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

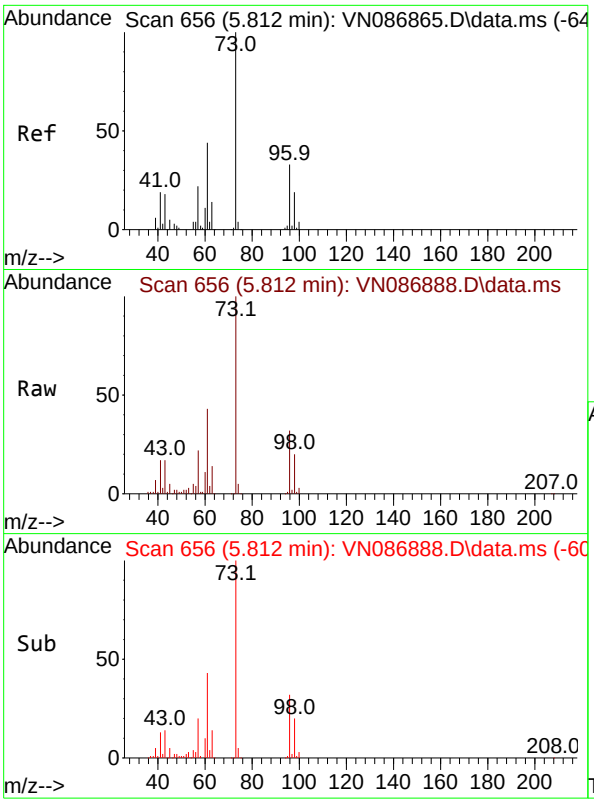


#18
Methyl Acetate
Concen: 43.249 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 233967

Ion	Ratio	Lower	Upper
43	100		
74	28.1	20.7	31.1

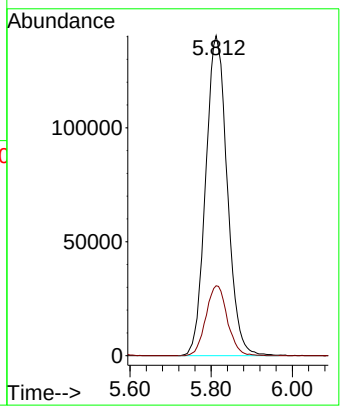




#19
Methyl tert-butyl Ether
Concen: 49.089 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 73 Resp: 51722

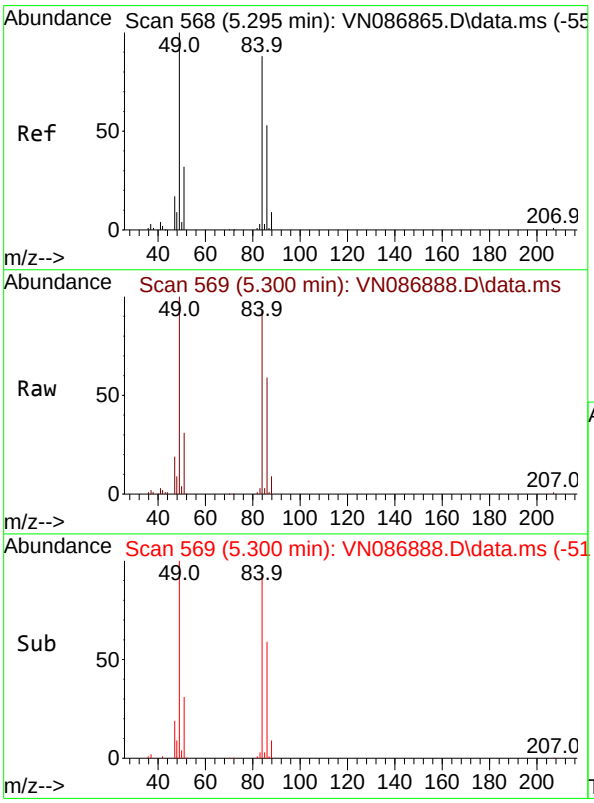
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

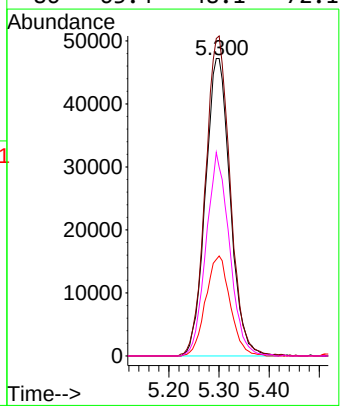
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

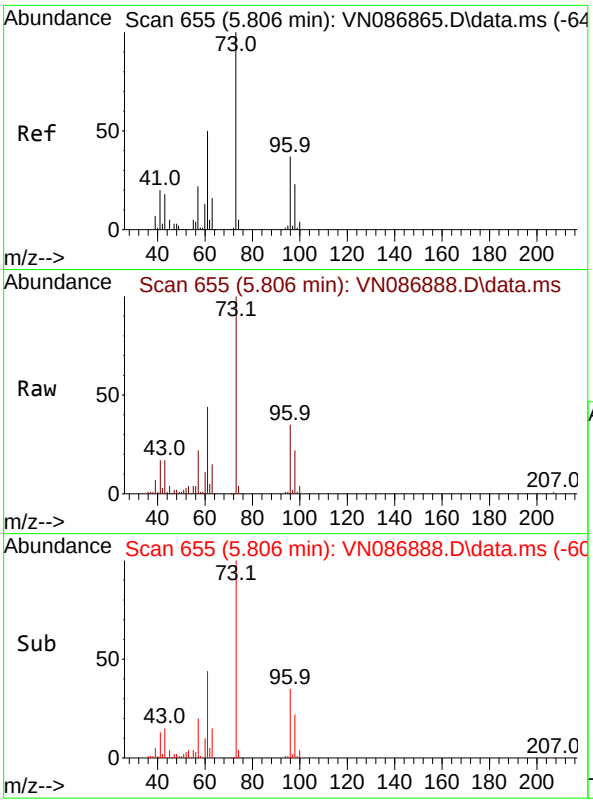


#20
Methylene Chloride
Concen: 46.563 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 84 Resp: 161828

Ion	Ratio	Lower	Upper
84	100		
49	107.6	90.5	135.7
51	33.6	28.5	42.7
86	63.4	48.1	72.1

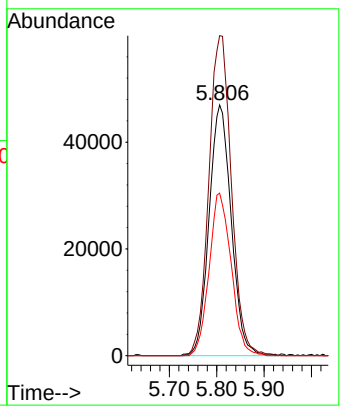




#21
trans-1,2-Dichloroethene
Concen: 47.175 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 96 Resp: 15273

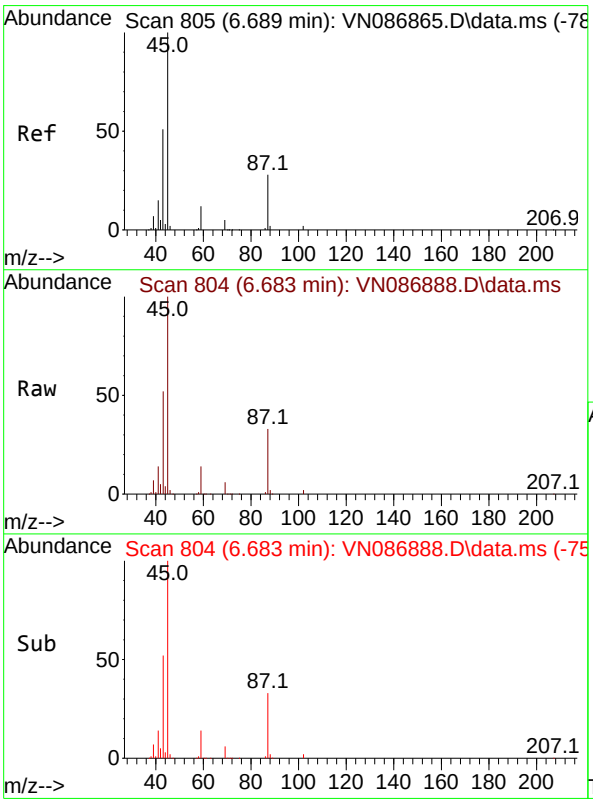
Ion	Ratio	Lower	Upper
96	100		
61	127.6	109.2	163.8
98	64.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

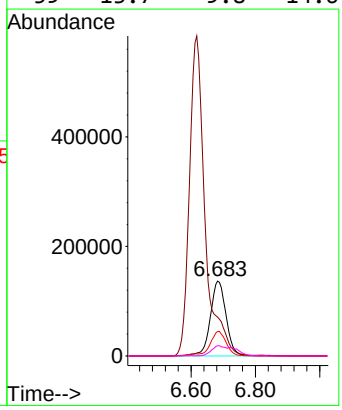
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

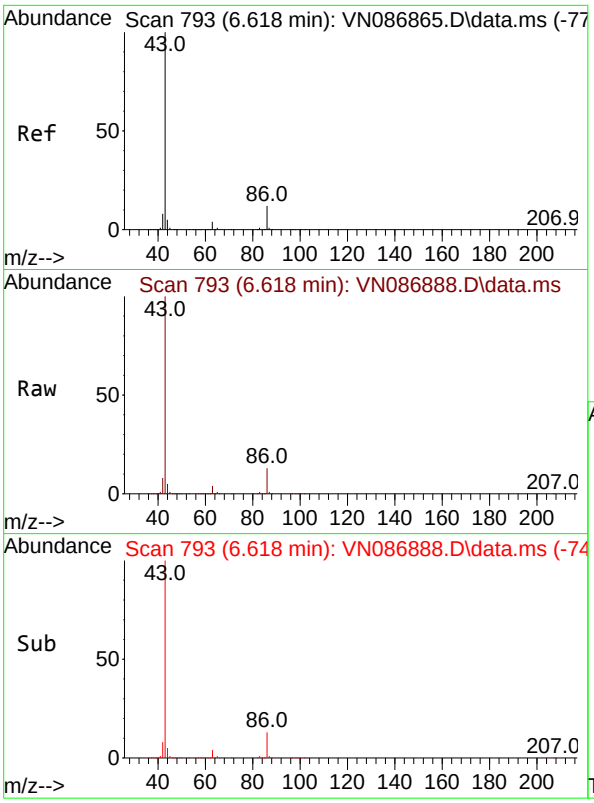


#22
Diisopropyl ether
Concen: 45.597 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 45 Resp: 463864

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	32.7	22.4	33.6
59	13.7	9.8	14.6





#23
Vinyl Acetate
Concen: 228.547 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

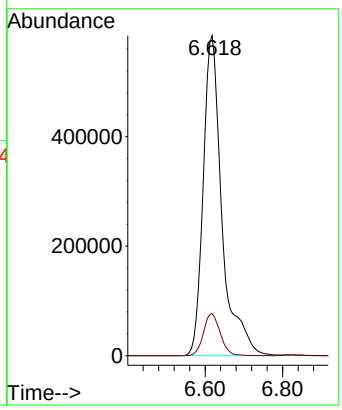
Tgt Ion: 43 Resp: 196438

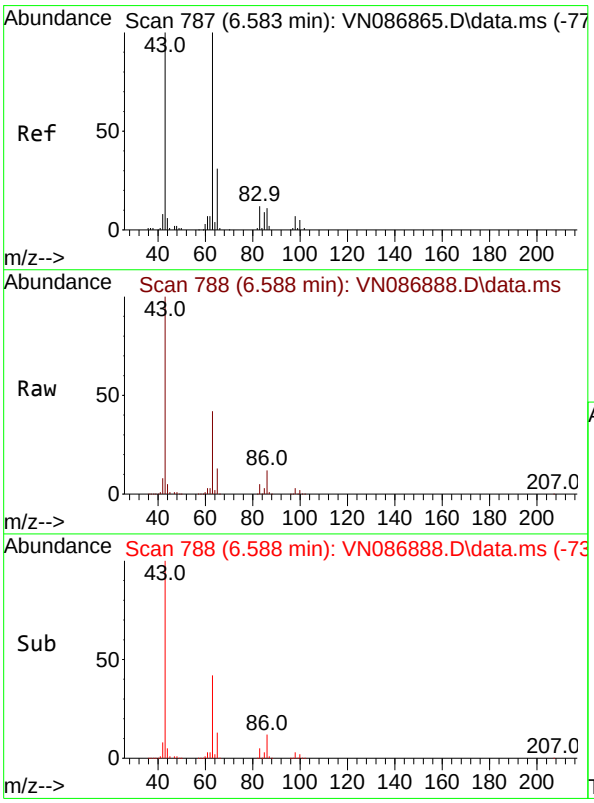
Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

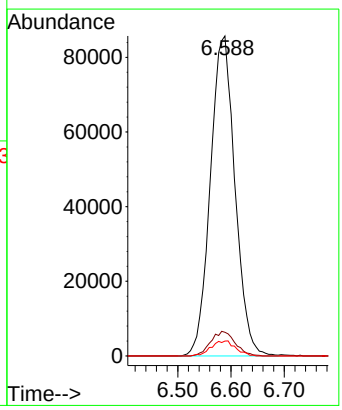


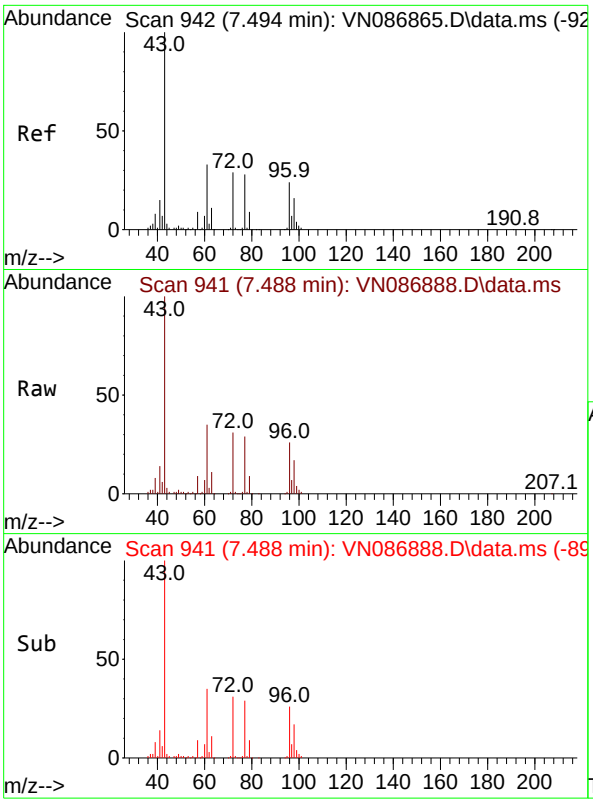


#24
1,1-Dichloroethane
Concen: 47.076 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 63 Resp: 275601

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.6	2.6	7.8





#25
2-Butanone
Concen: 206.354 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

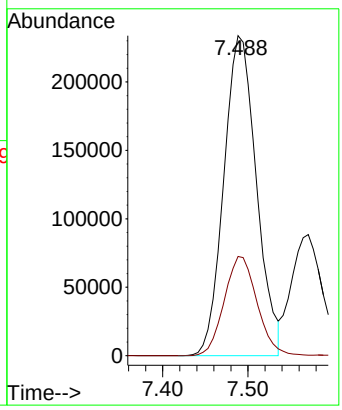
Tgt Ion: 43 Resp: 62266

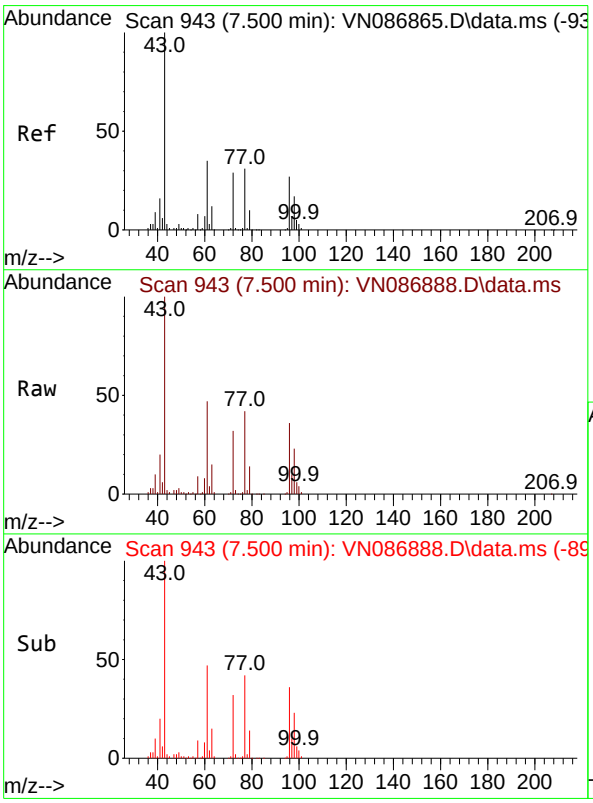
Ion	Ratio	Lower	Upper
43	100		
72	31.0	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

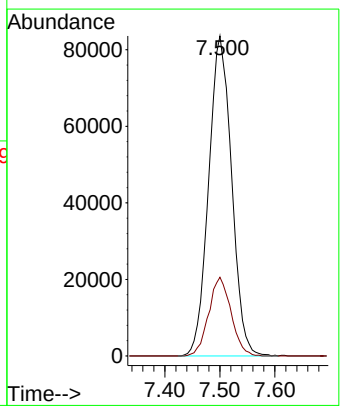


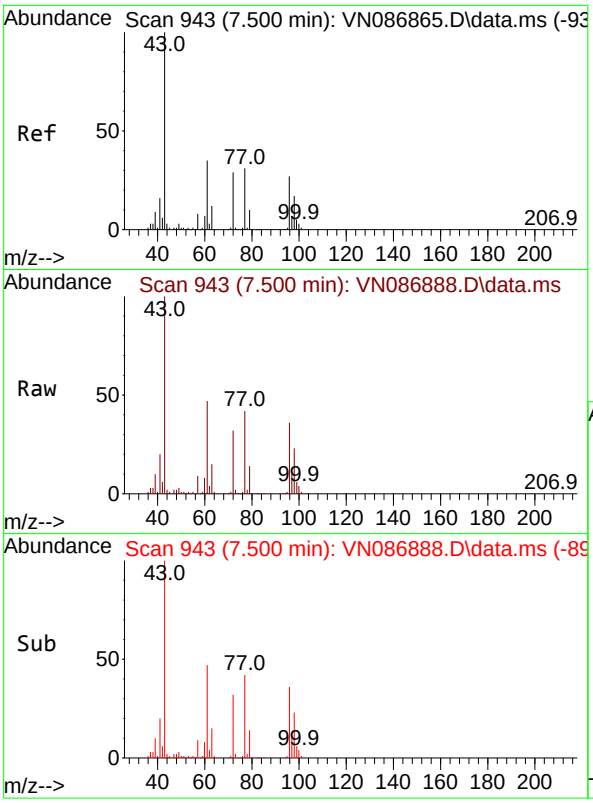


#26
2,2-Dichloropropane
Concen: 53.268 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 77 Resp: 242583

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.7

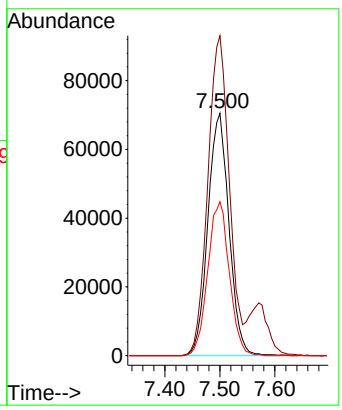




#27
cis-1,2-Dichloroethene
Concen: 48.643 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 96 Resp: 188349

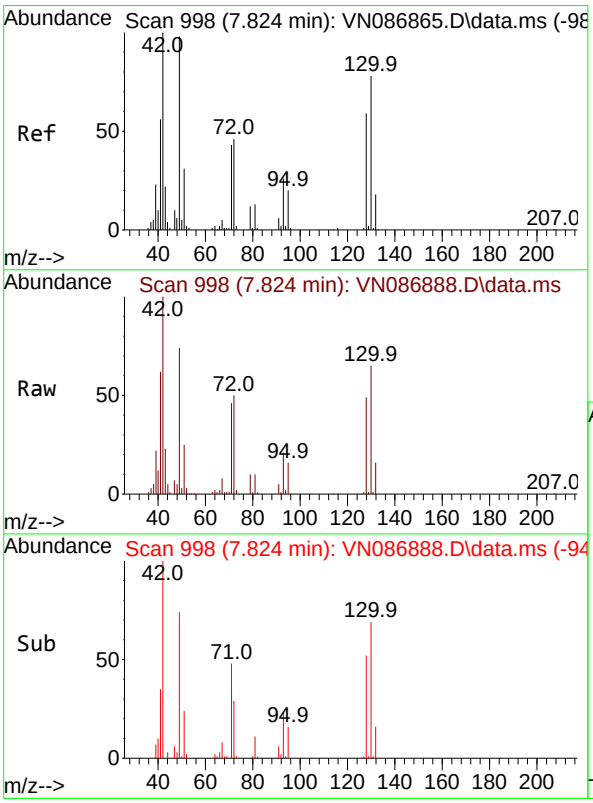
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	278.0
98	64.7	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

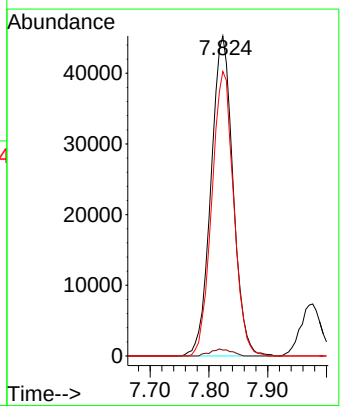
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

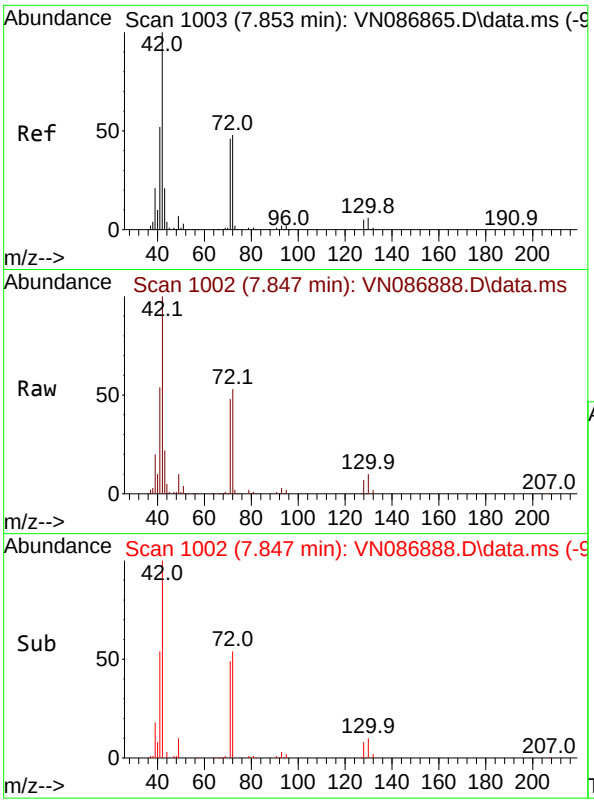


#28
Bromochloromethane
Concen: 41.024 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 49 Resp: 118085

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	87.9	62.2	93.2





#29
Tetrahydrofuran
Concen: 207.479 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

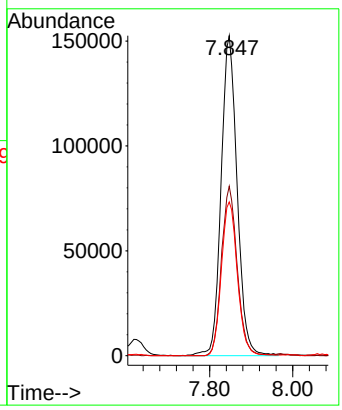
Tgt Ion: 42 Resp: 40783

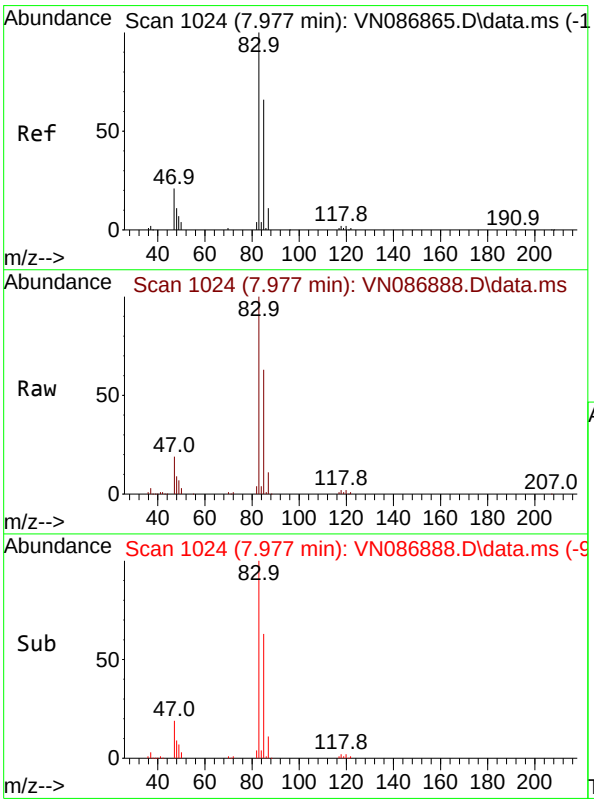
Ion	Ratio	Lower	Upper
42	100		
72	51.7	37.8	56.6
71	48.1	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

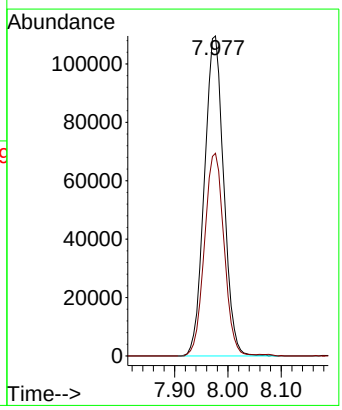


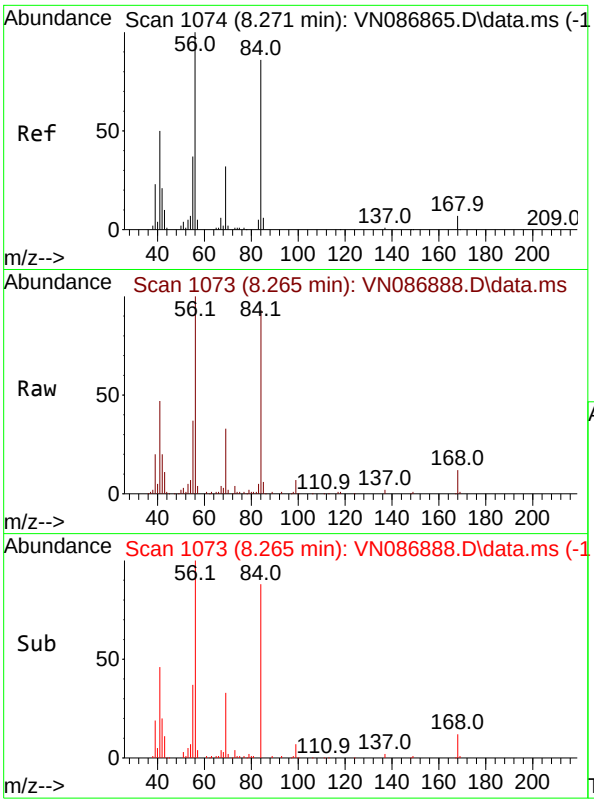


#30
Chloroform
Concen: 47.175 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 83 Resp: 275806

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.9	79.3

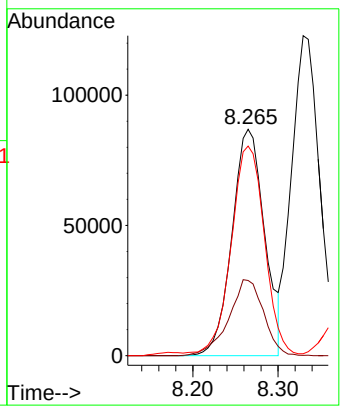




#31
Cyclohexane
Concen: 40.735 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 56 Resp: 23127

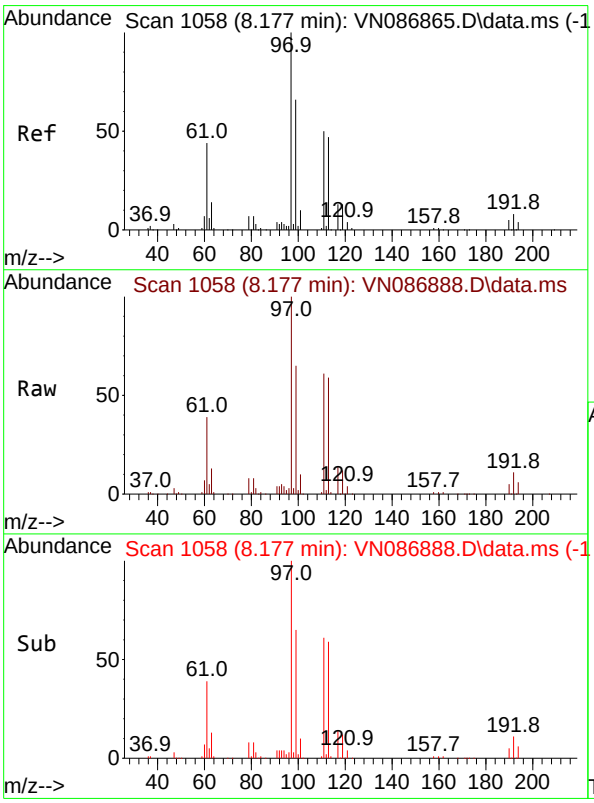
Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	91.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

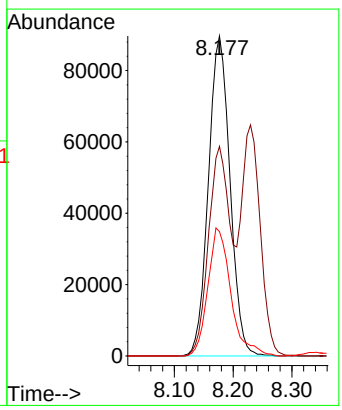
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

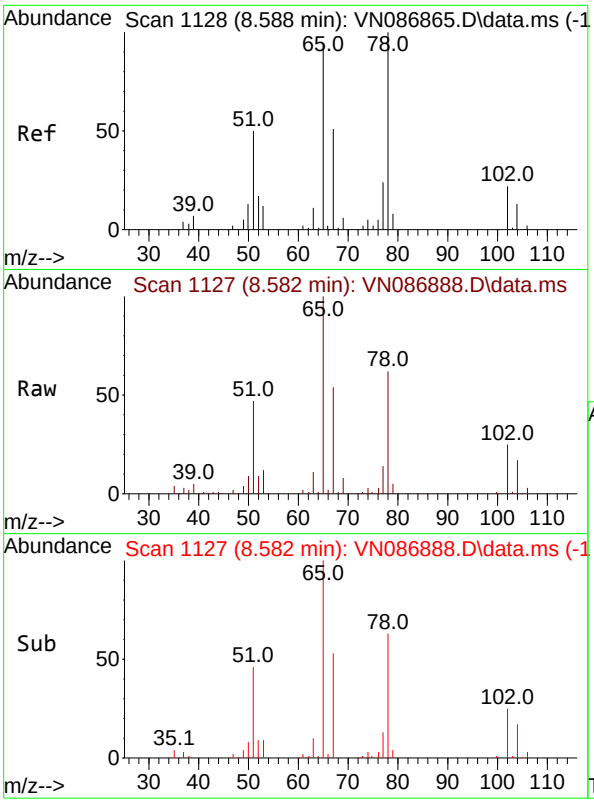


#32
1,1,1-Trichloroethane
Concen: 46.033 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 97 Resp: 228902

Ion	Ratio	Lower	Upper
97	100		
99	68.1	52.0	78.0
61	42.7	35.9	53.9

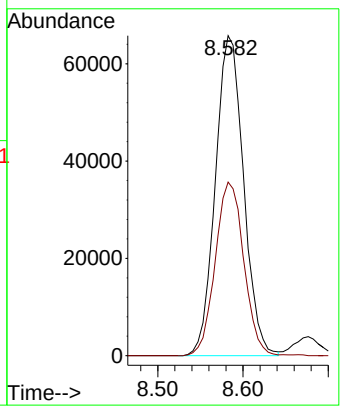




#33
1,2-Dichloroethane-d4
Concen: 43.251 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 65 Resp: 15140

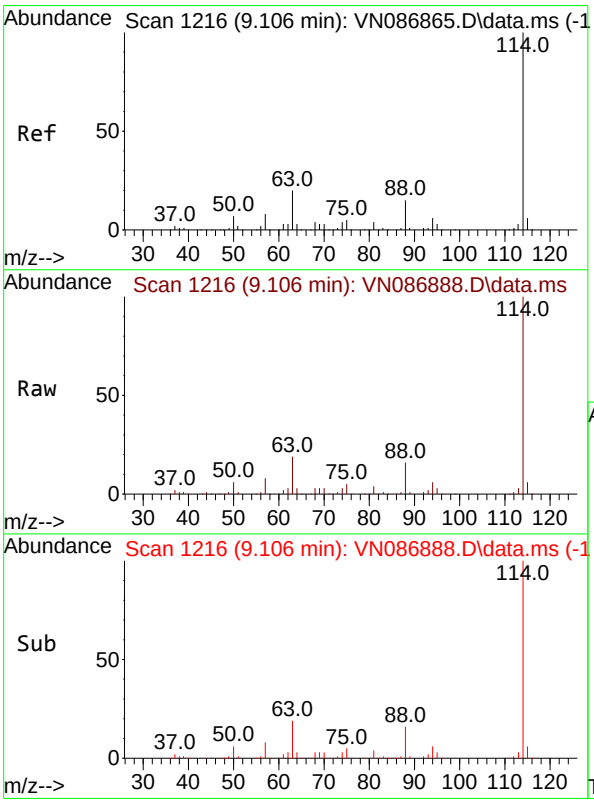
Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

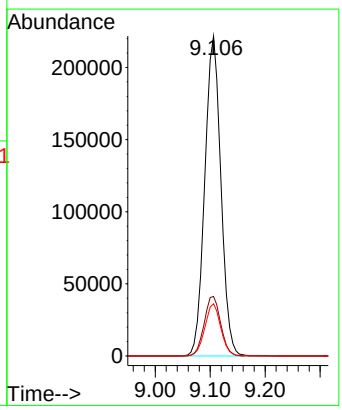
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

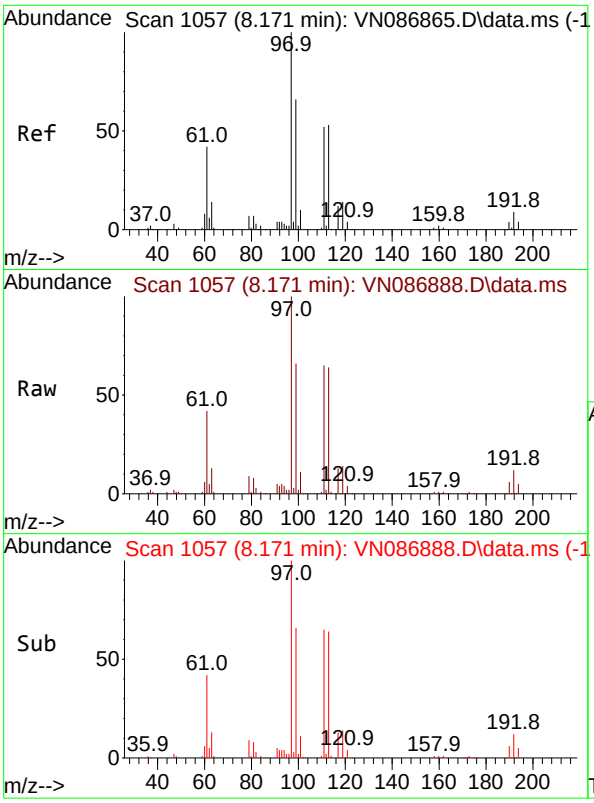


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:114 Resp: 451735

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	16.3	0.0	30.2

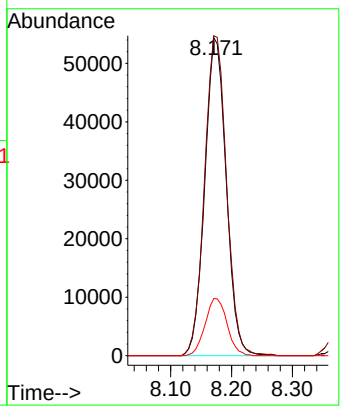




#35
Dibromofluoromethane
Concen: 49.703 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:113 Resp: 13305

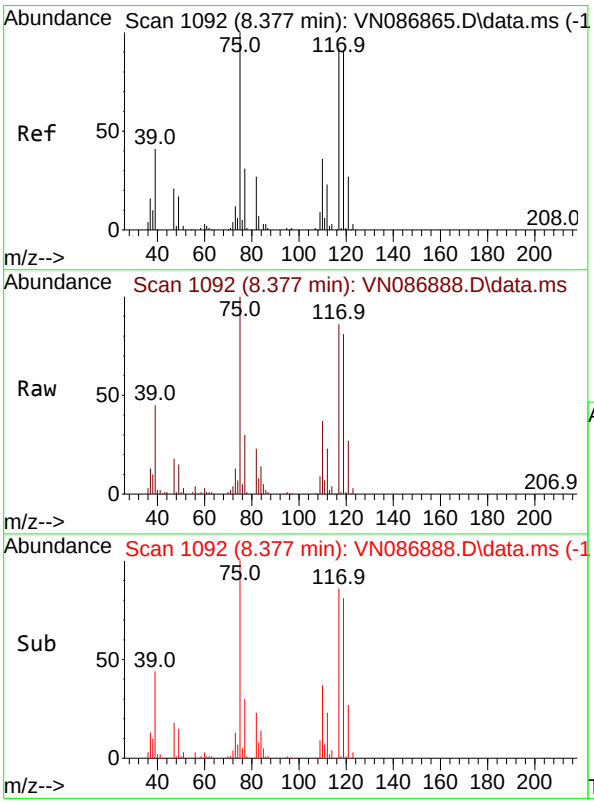
Ion	Ratio	Lower	Upper
113	100		
111	103.3	84.2	126.2
192	18.4	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

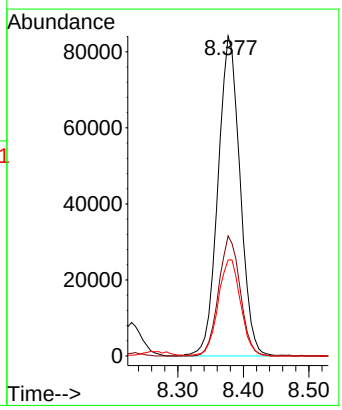
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

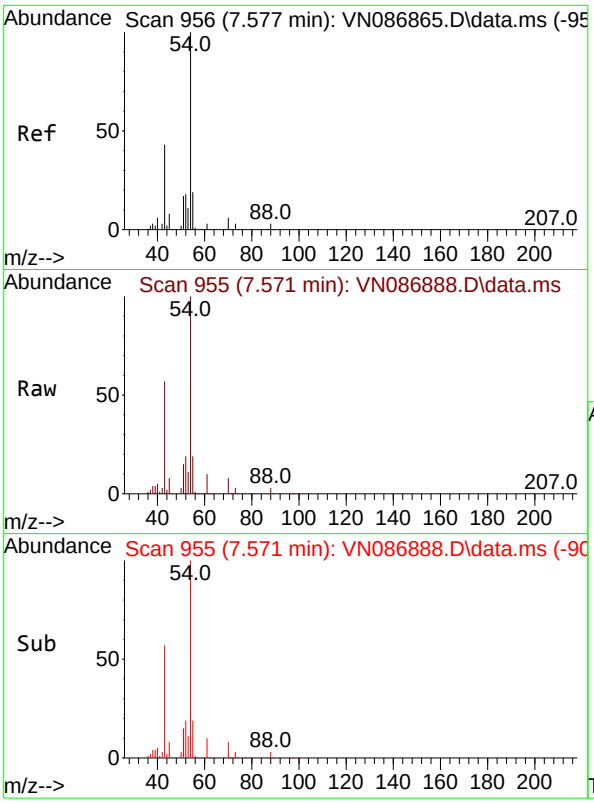


#36
1,1-Dichloropropene
Concen: 49.186 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 196210

Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.6	52.9
77	30.9	25.3	37.9

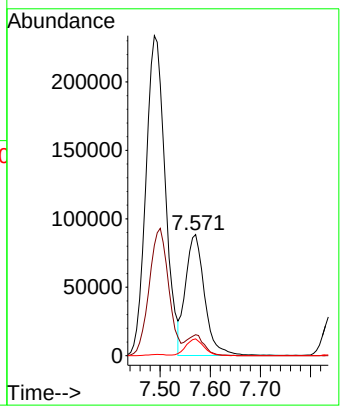




#37
Ethyl Acetate
Concen: 45.959 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 23338

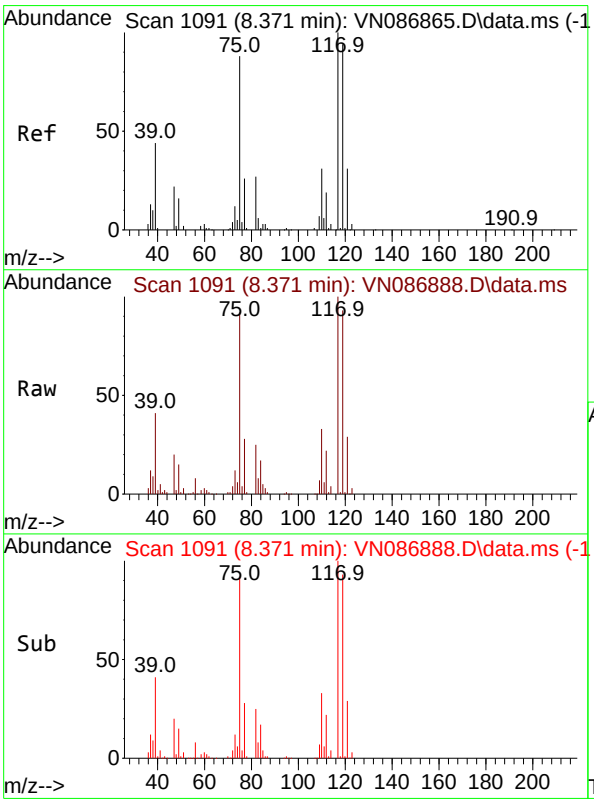
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	13.3	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

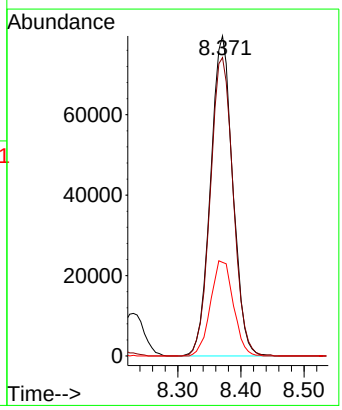
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

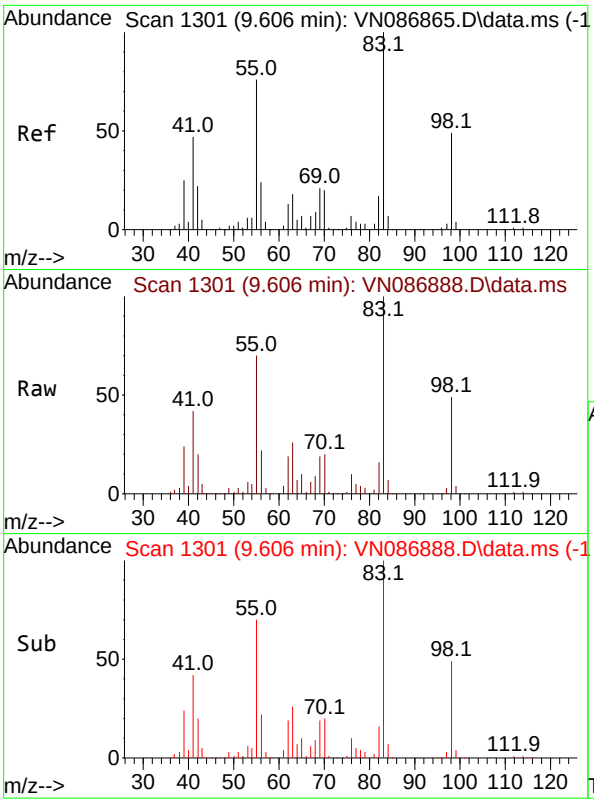


#38
Carbon Tetrachloride
Concen: 49.670 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:117 Resp: 194527

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.0	112.6
121	29.3	24.9	37.3

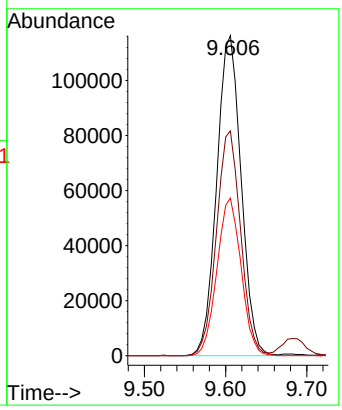




#39
Methylcyclohexane
Concen: 44.591 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 83 Resp: 24370

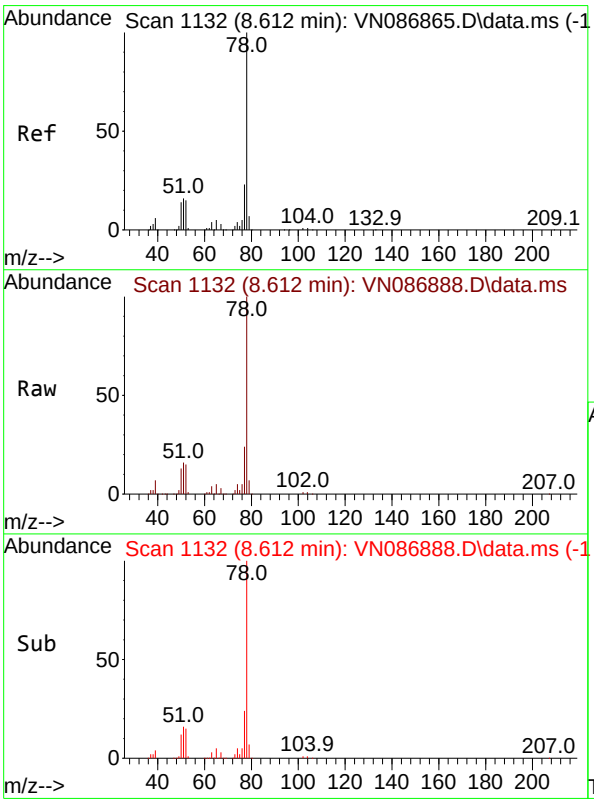
Ion	Ratio	Lower	Upper
83	100		
55	70.2	61.0	91.6
98	49.2	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

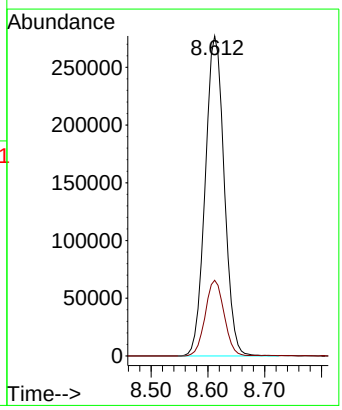
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

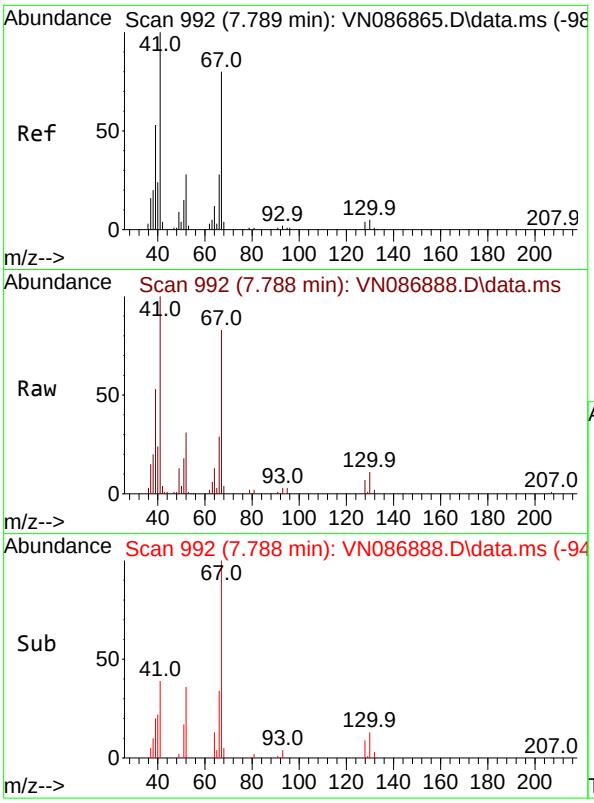


#40
Benzene
Concen: 49.272 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 78 Resp: 642732

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1

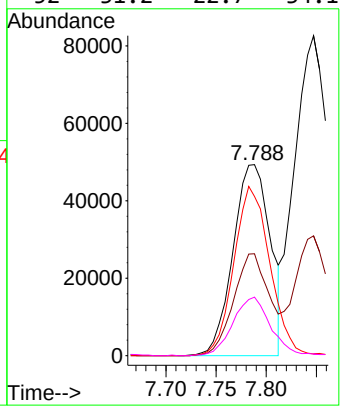




#41
Methacrylonitrile
Concen: 44.731 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 41 Resp: 12757

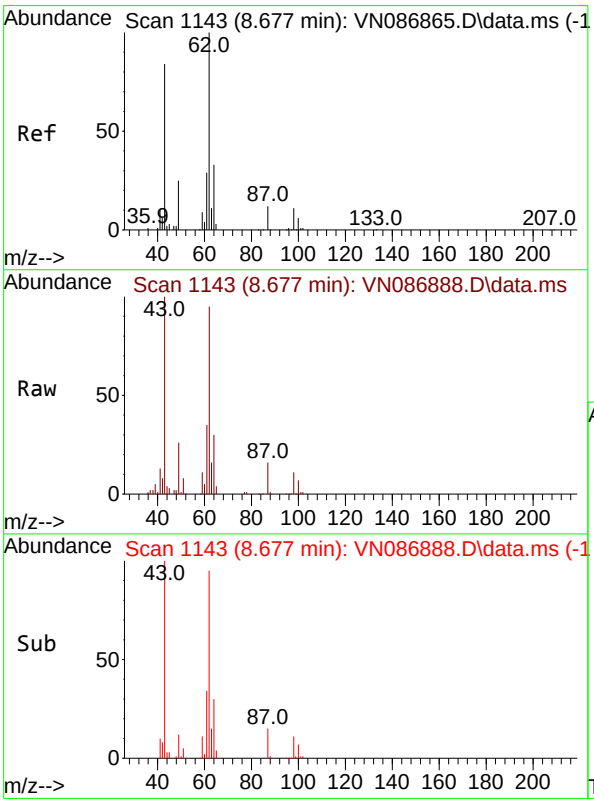
Ion	Ratio	Lower	Upper
41	100		
39	50.6	41.2	61.8
67	86.2	61.4	92.2
52	31.2	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

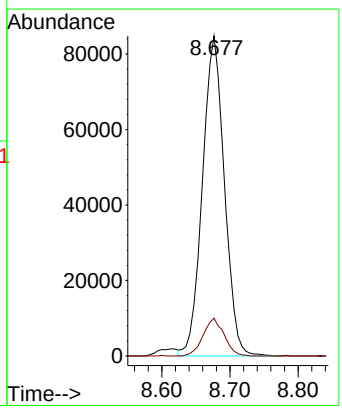
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

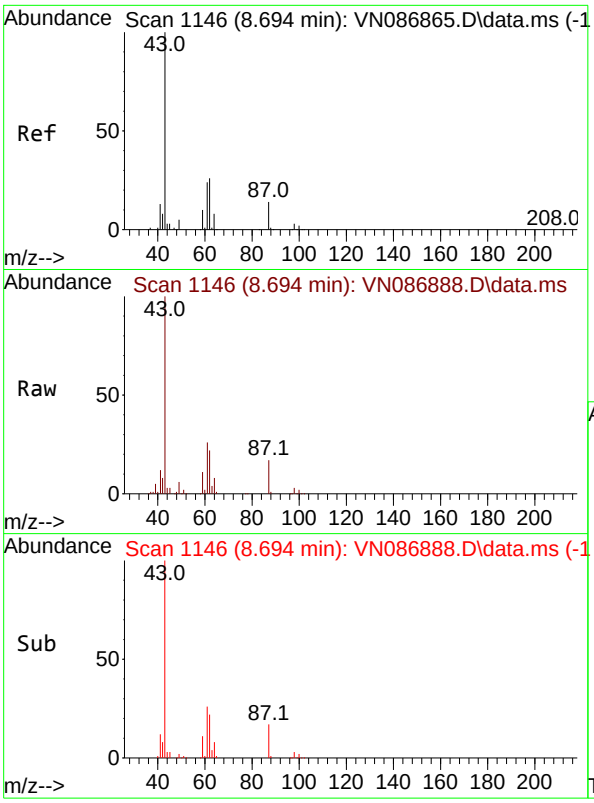


#42
1,2-Dichloroethane
Concen: 48.002 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 62 Resp: 189921

Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.2





#43
Isopropyl Acetate
Concen: 45.868 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

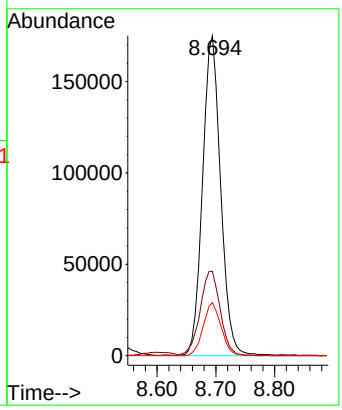
Tgt Ion: 43 Resp: 37384

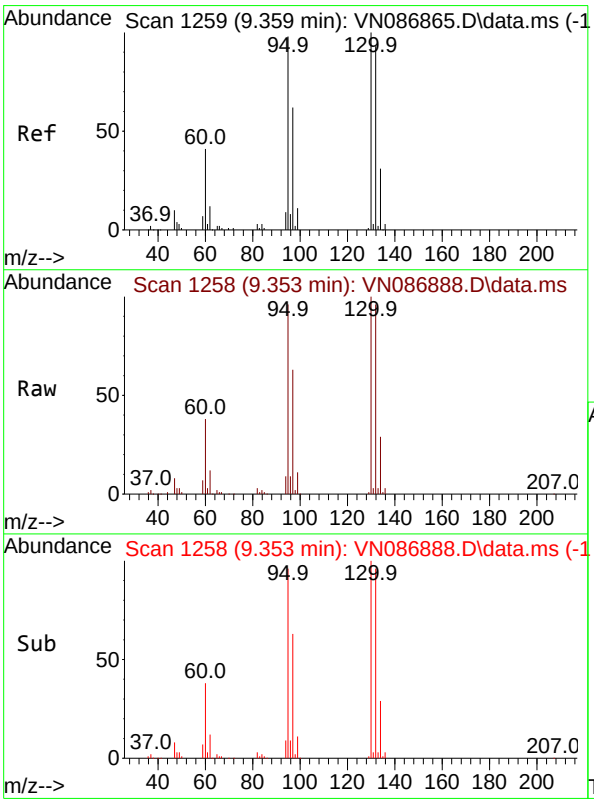
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.1	33.1
87	16.5	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

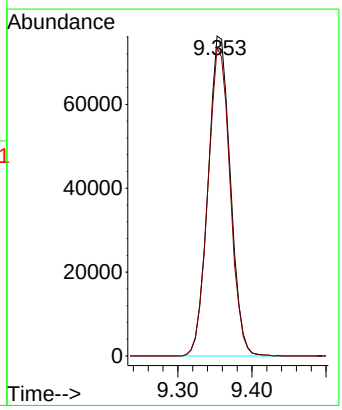


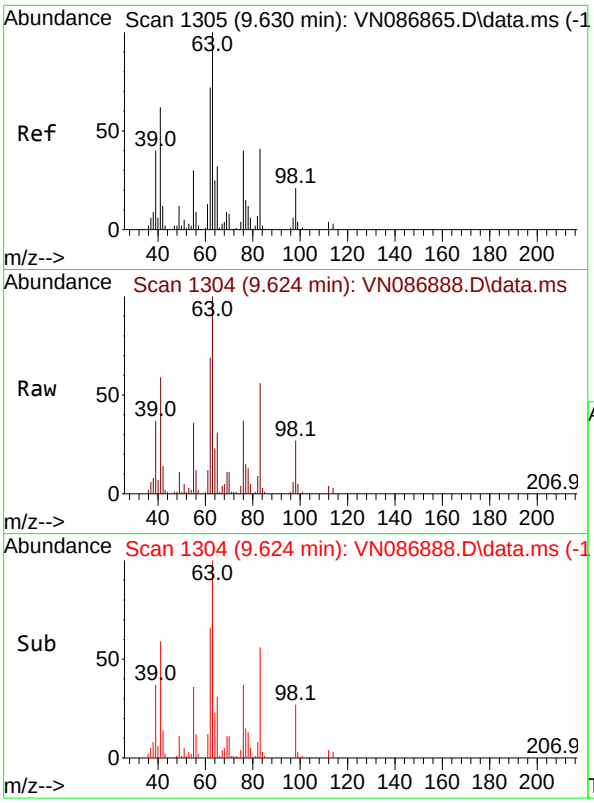


#44
Trichloroethene
Concen: 51.458 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:130 Resp: 159166

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	196.2

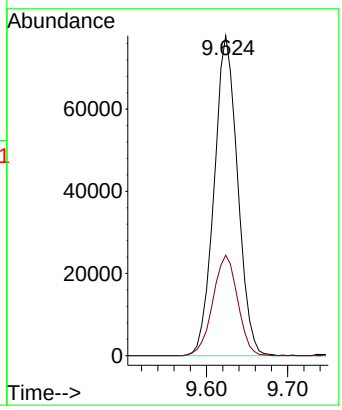




#45
1,2-Dichloropropane
Concen: 49.319 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 63 Resp: 15651

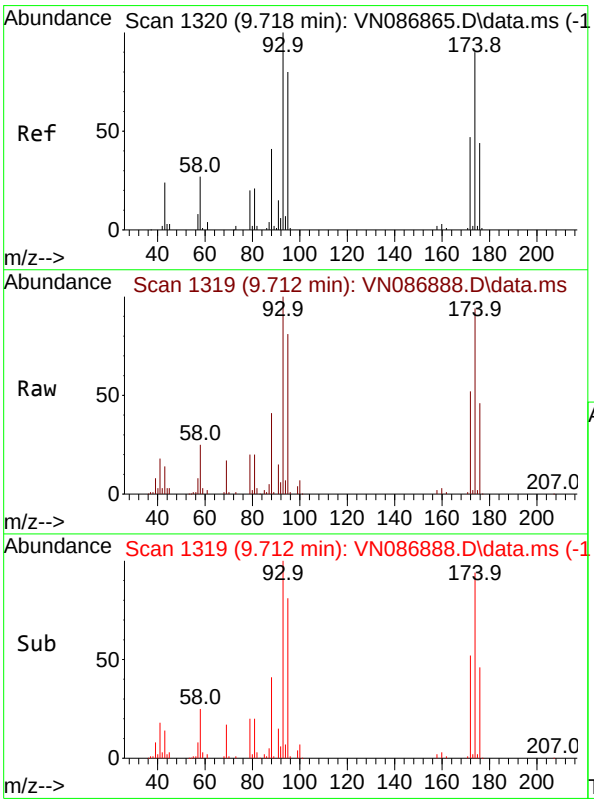
Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

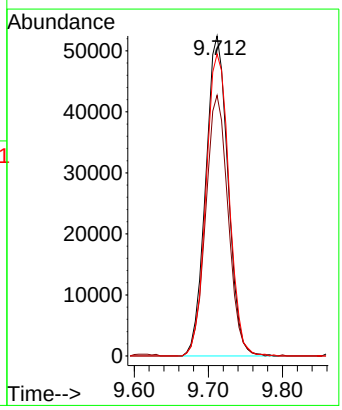
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

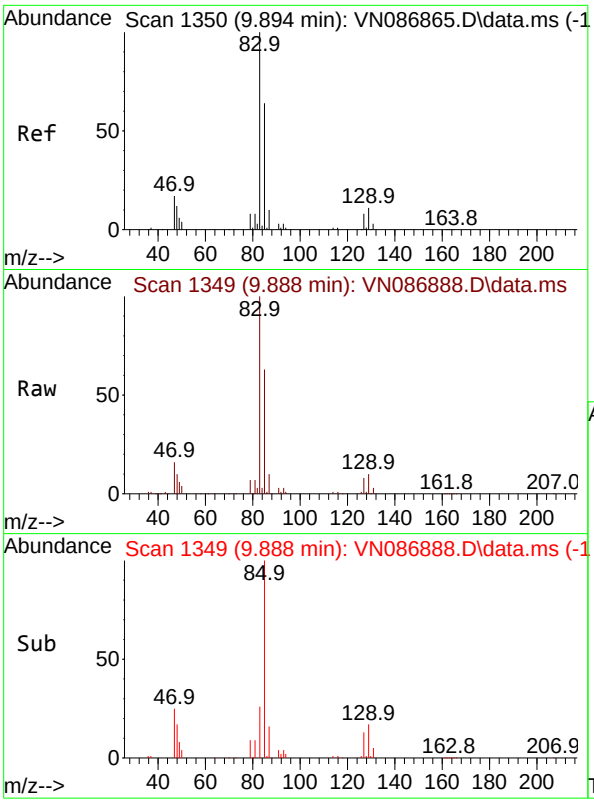


#46
Dibromomethane
Concen: 52.086 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 93 Resp: 109794

Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.1	100.7
174	97.3	74.2	111.4

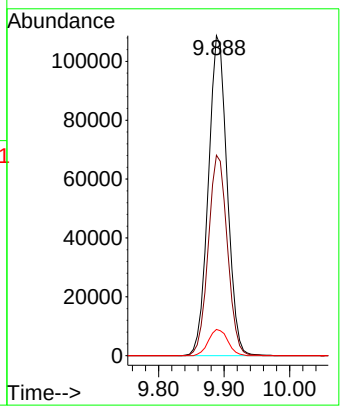




#47
Bromodichloromethane
Concen: 49.933 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 83 Resp: 21656

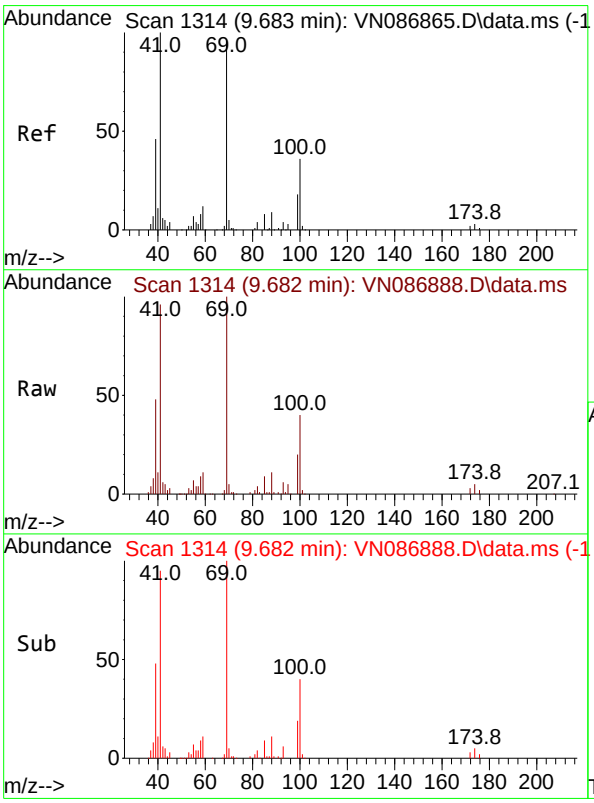
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3
127	8.2	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

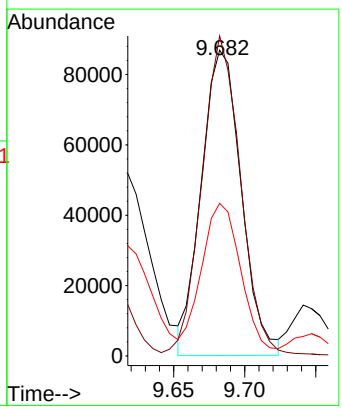
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

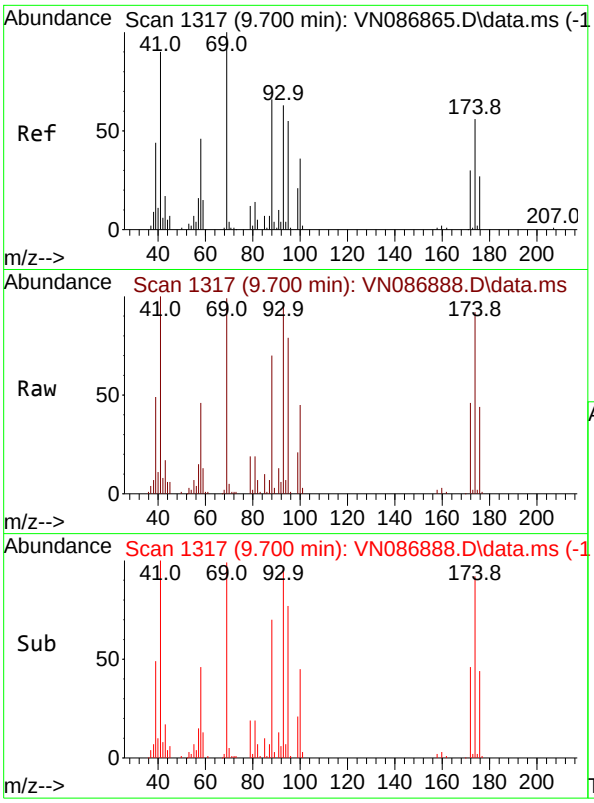


#48
Methyl methacrylate
Concen: 45.323 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 41 Resp: 170025

Ion	Ratio	Lower	Upper
41	100		
69	101.2	74.6	112.0
39	50.1	40.2	60.4





#49
1,4-Dioxane
Concen: 906.076 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

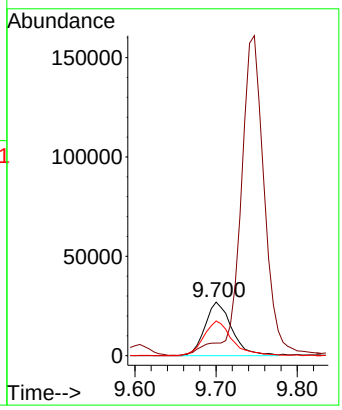
Tgt Ion: 88 Resp: 6183

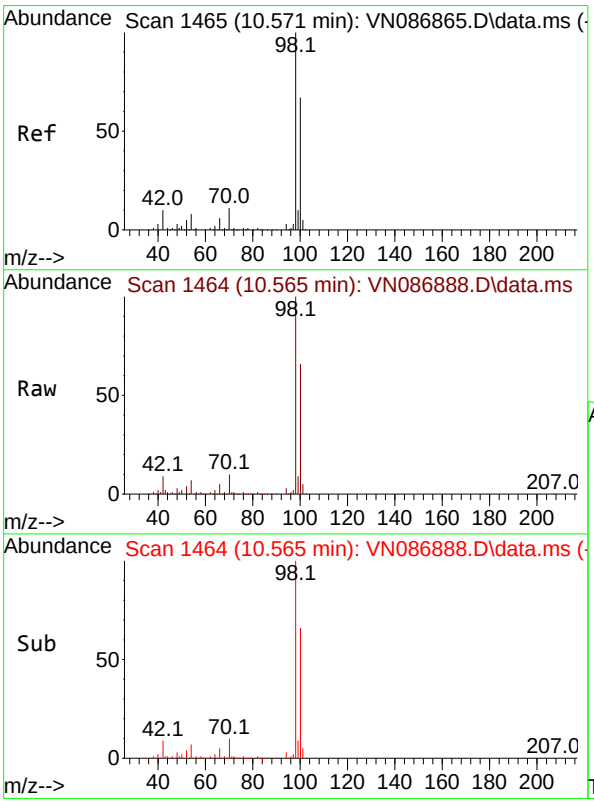
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	68.9	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

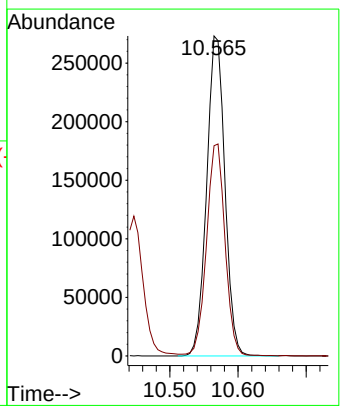


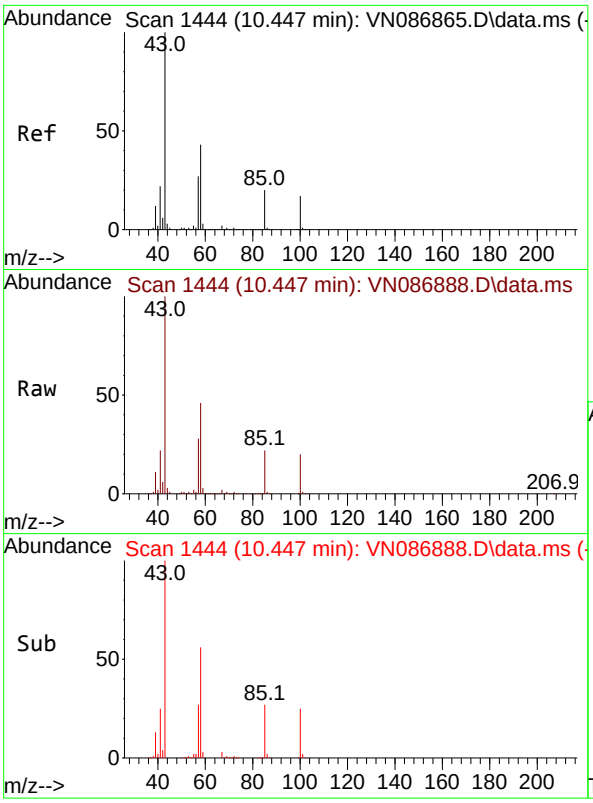


#50
Toluene-d8
Concen: 47.952 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 98 Resp: 508186

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 233.442 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

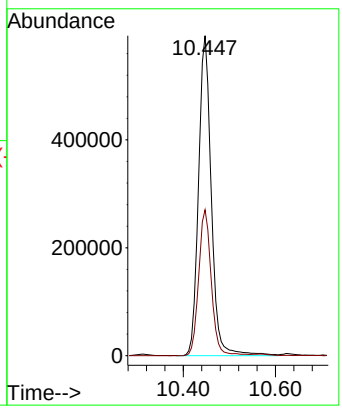
Tgt Ion: 43 Resp: 114542

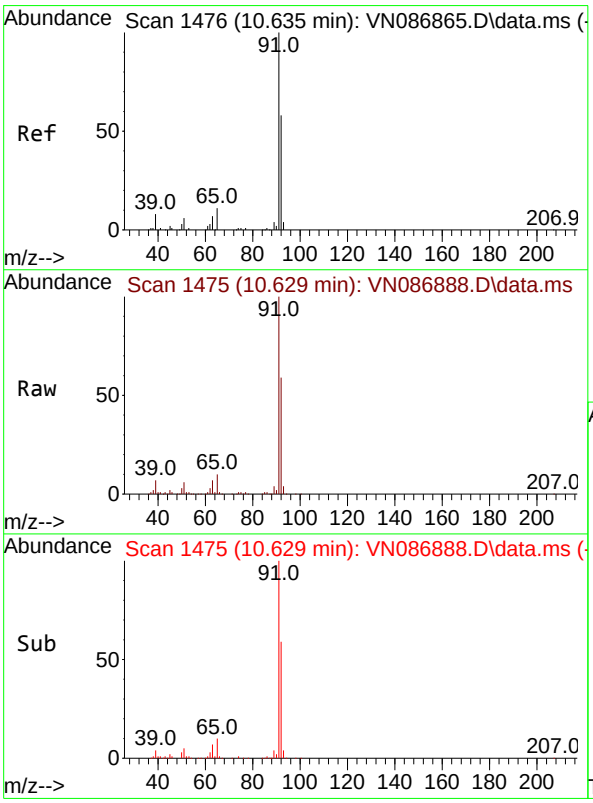
Ion	Ratio	Lower	Upper
43	100		
58	45.1	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

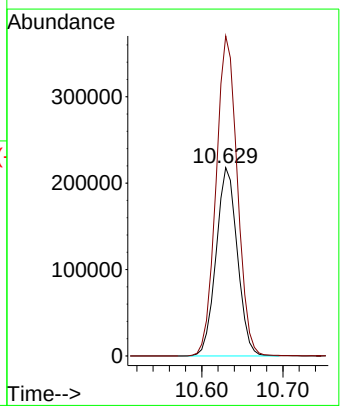


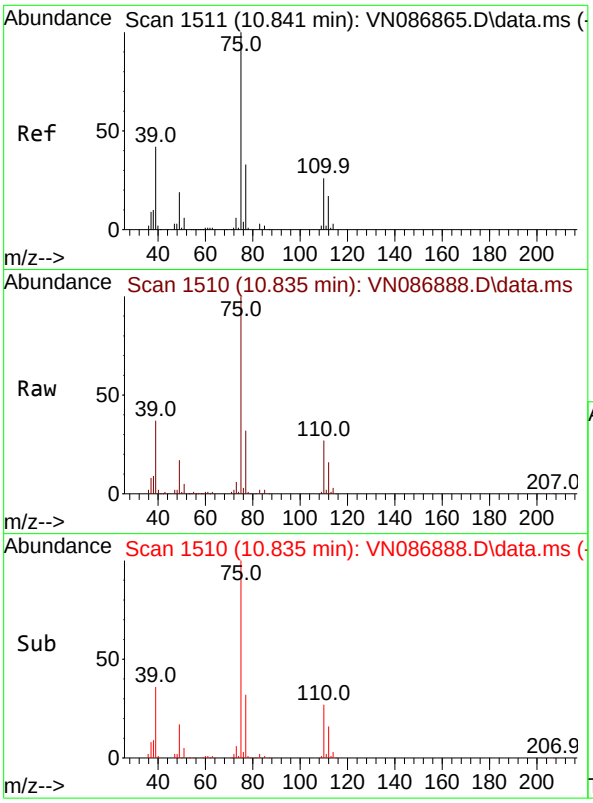


#52
Toluene
Concen: 49.745 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 92 Resp: 396562

Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.5	204.7

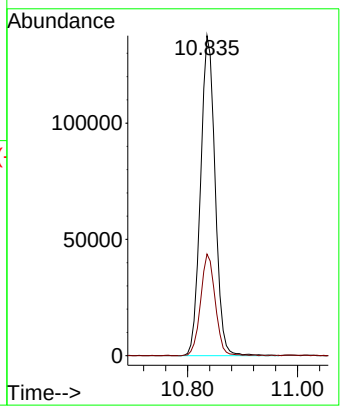




#53
t-1,3-Dichloropropene
Concen: 52.141 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 25286

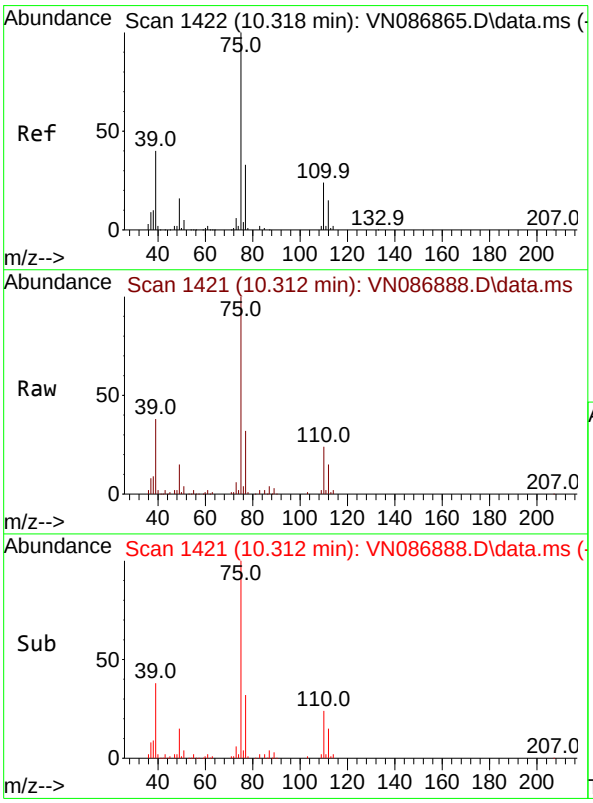
Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

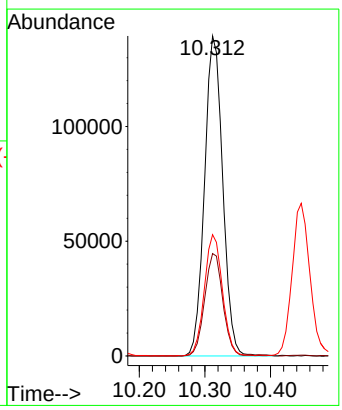
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

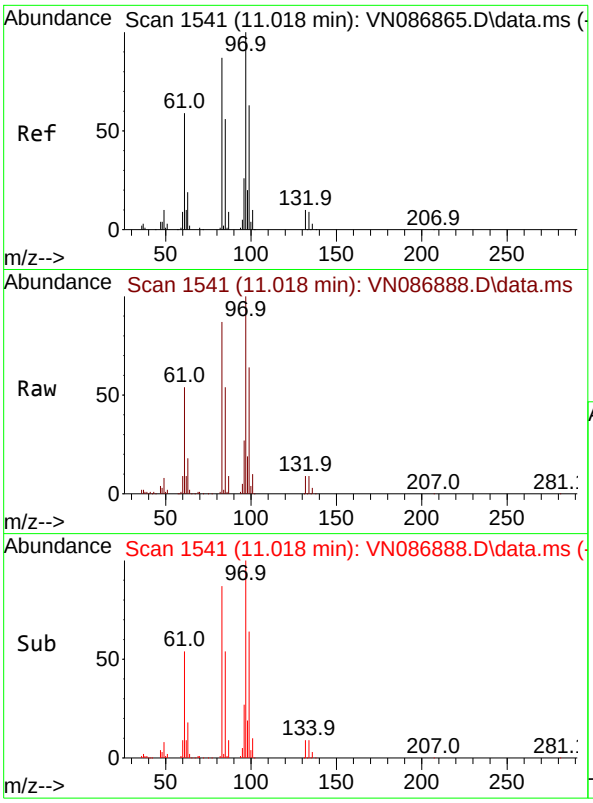


#54
cis-1,3-Dichloropropene
Concen: 51.859 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 269095

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4
39	37.8	32.3	48.5

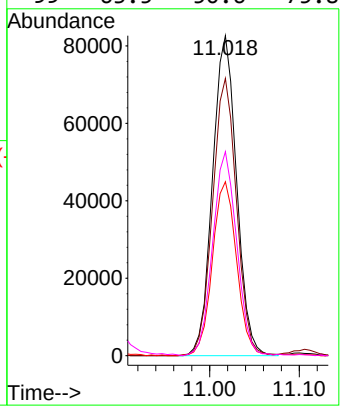




#55
1,1,2-Trichloroethane
Concen: 50.186 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 97 Resp: 15394

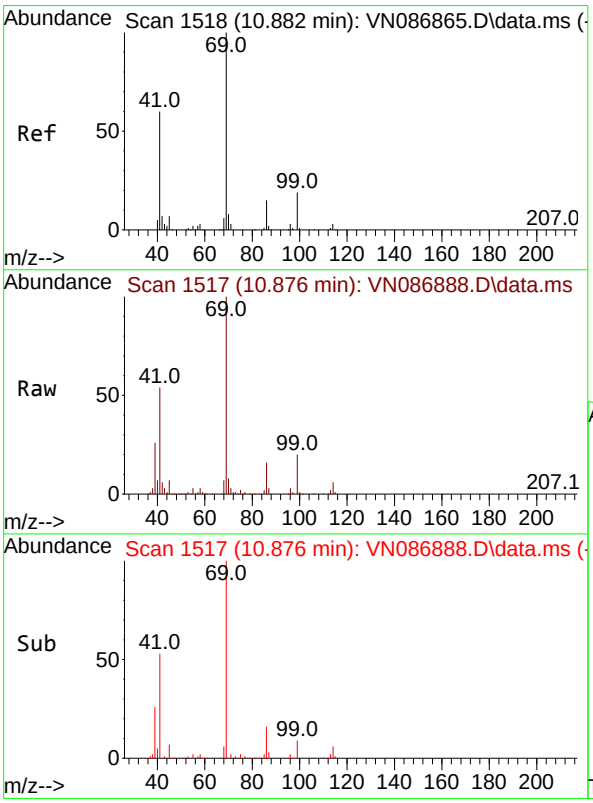
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.7	104.5
85	54.4	45.1	67.7
99	63.5	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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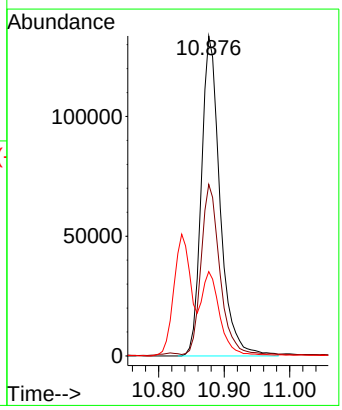
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

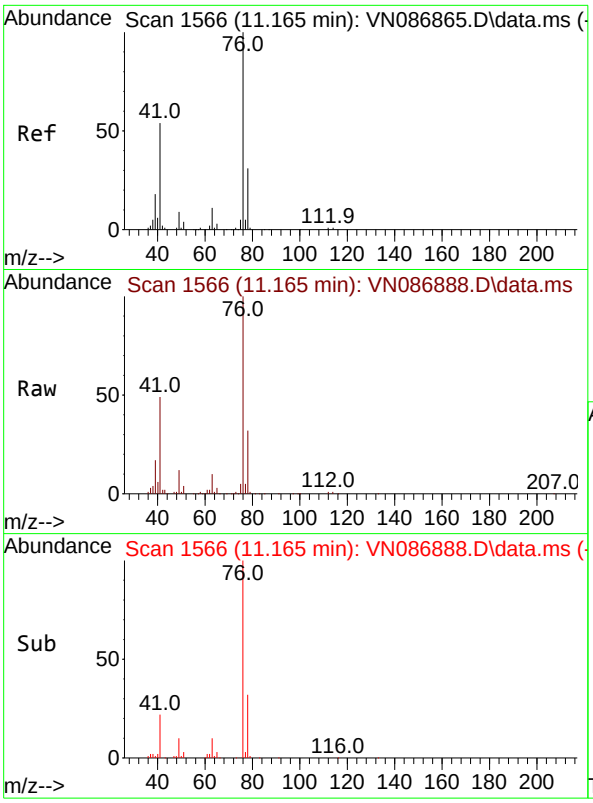


#56
Ethyl methacrylate
Concen: 54.375 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 69 Resp: 265661

Ion	Ratio	Lower	Upper
69	100		
41	52.9	47.2	70.8
39	24.9	23.0	34.6

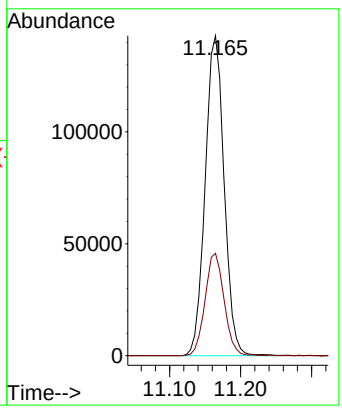




#57
1,3-Dichloropropane
Concen: 49.844 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 76 Resp: 26522

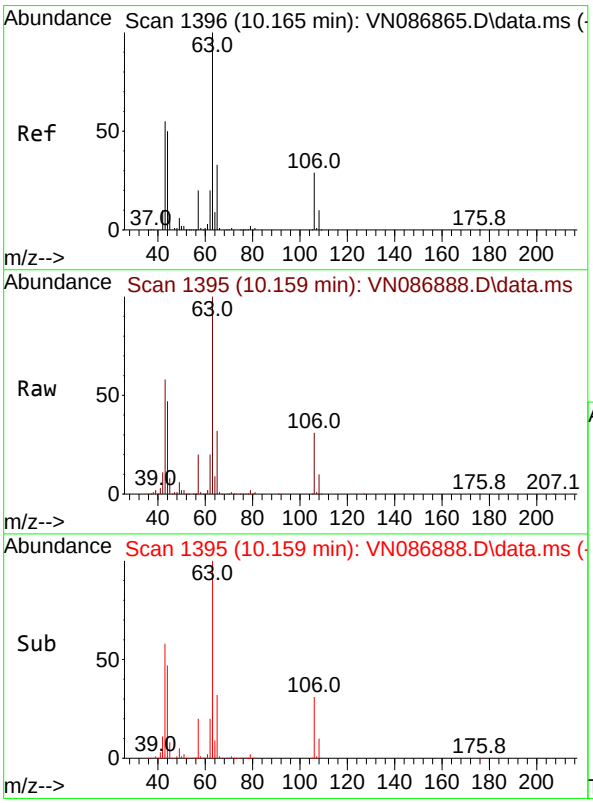
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

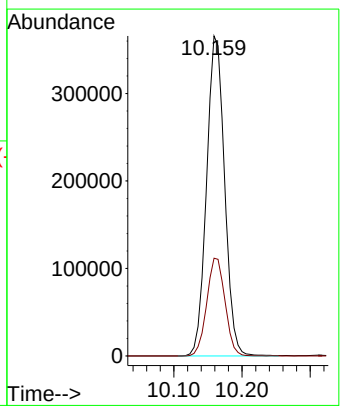
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

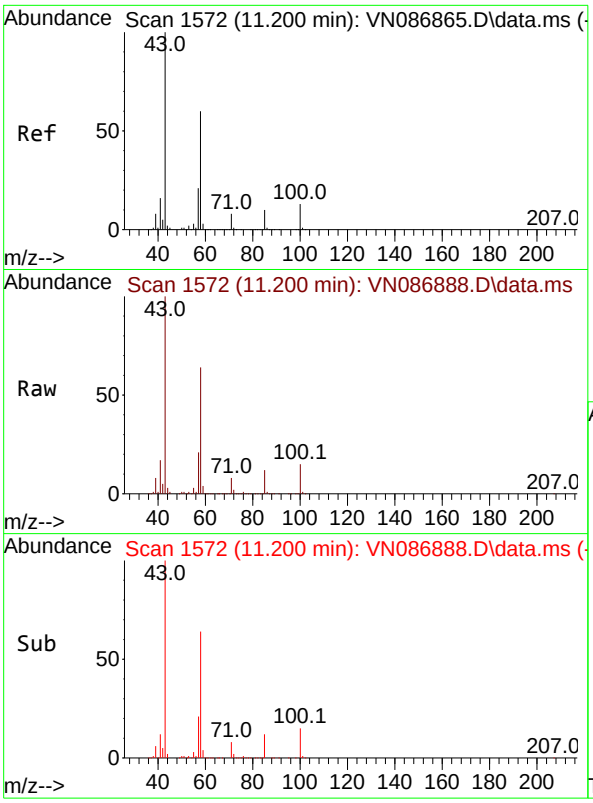


#58
2-Chloroethyl Vinyl ether
Concen: 230.994 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 63 Resp: 673133

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.0	34.6





#59
2-Hexanone
Concen: 244.401 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

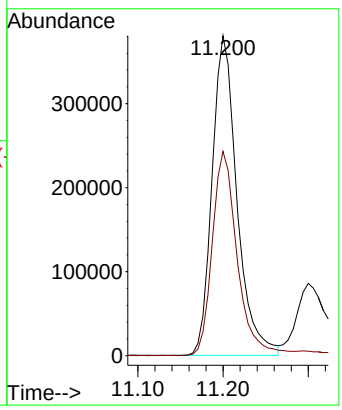
Tgt Ion: 43 Resp: 77244

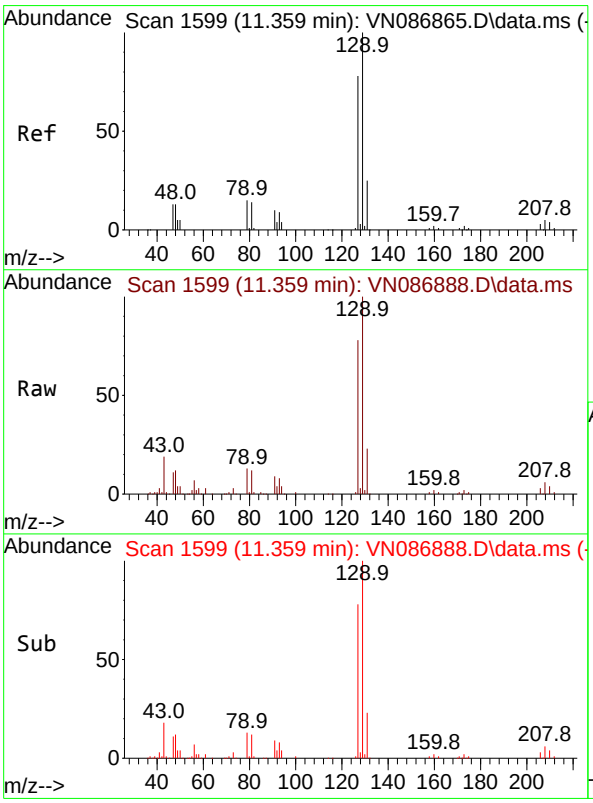
Ion	Ratio	Lower	Upper
43	100		
58	64.3	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

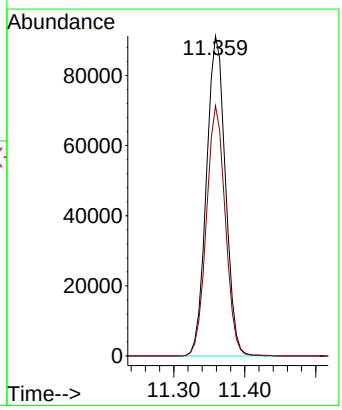


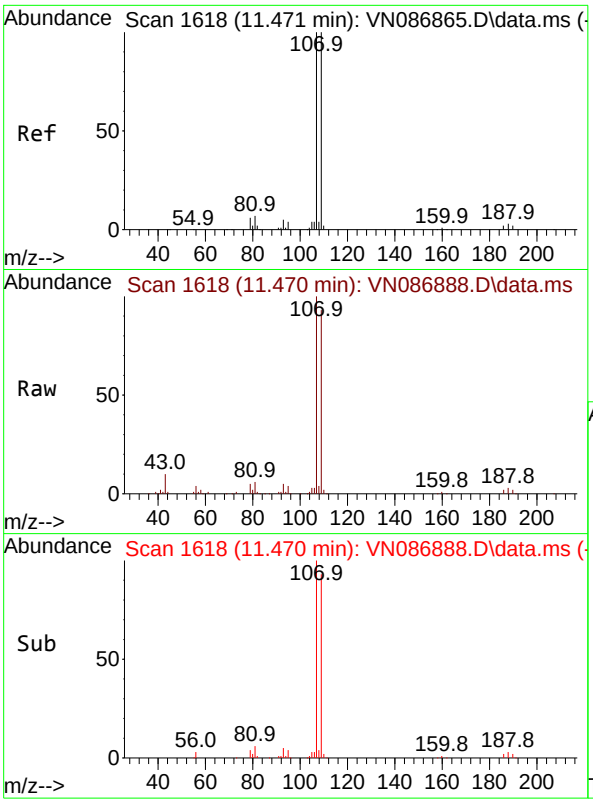


#60
Dibromochloromethane
Concen: 52.993 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:129 Resp: 169362

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8

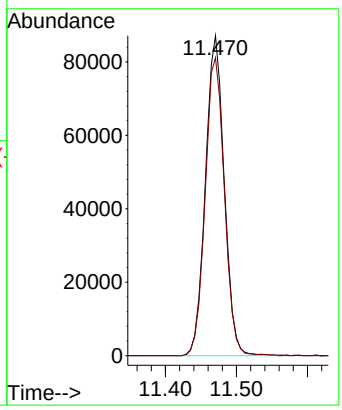




#61
1,2-Dibromoethane
Concen: 51.016 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:107 Resp: 160398

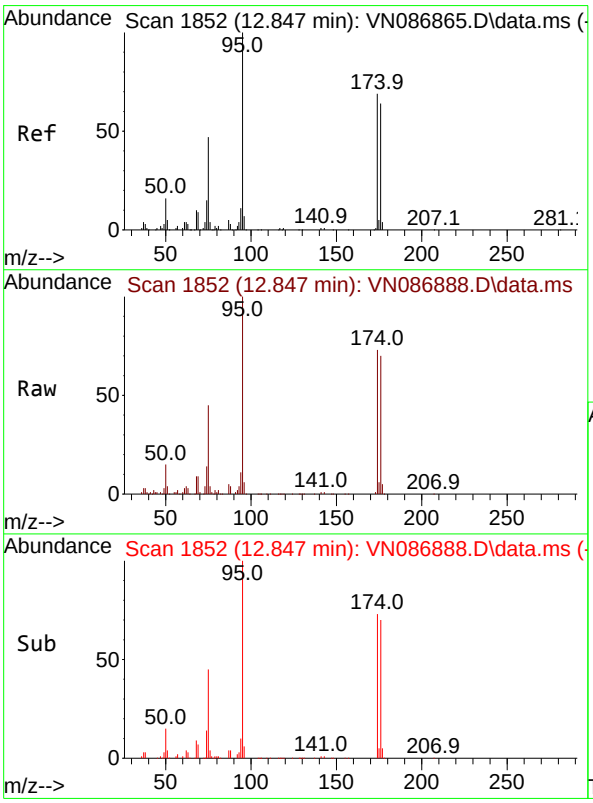
Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

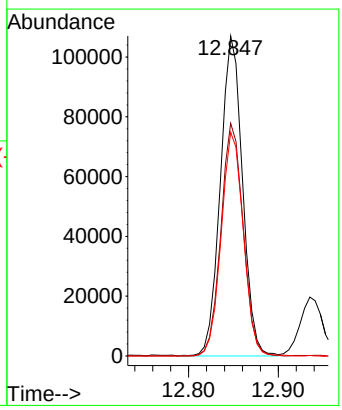
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

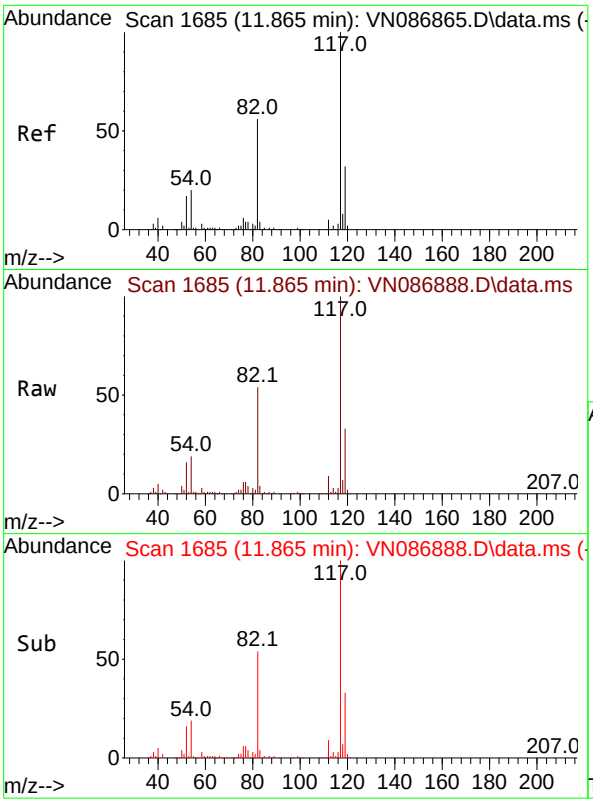


#62
4-Bromofluorobenzene
Concen: 46.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 95 Resp: 183178

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.8
176	69.7	0.0	132.6

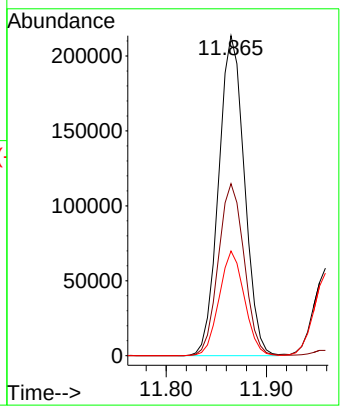




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:117 Resp: 38092

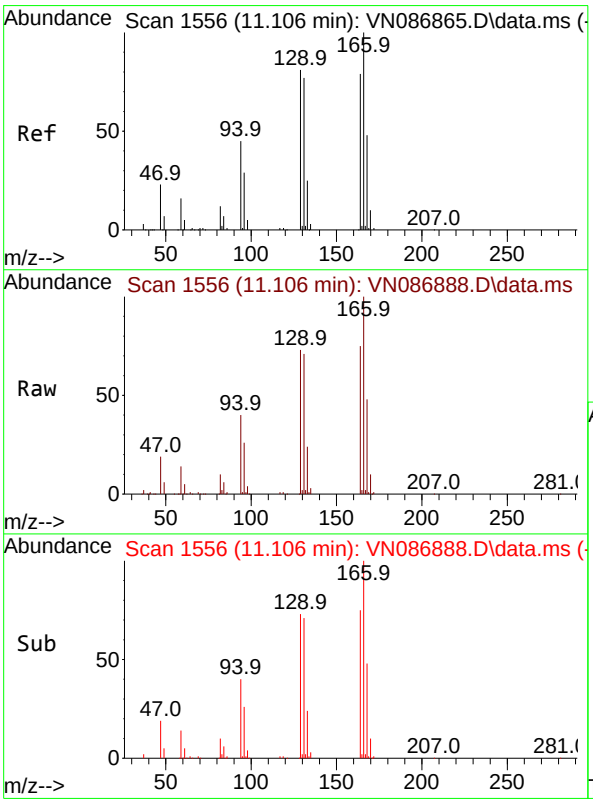
Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.6	67.0
119	32.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

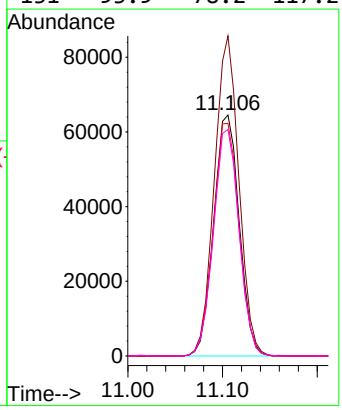
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

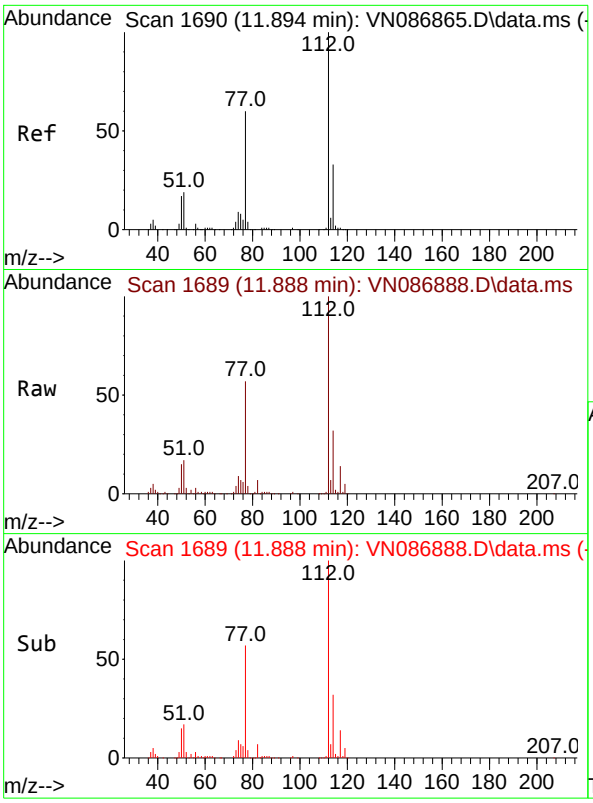


#64
Tetrachloroethene
Concen: 50.252 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:164 Resp: 121144

Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.8	152.8
129	96.5	83.0	124.4
131	93.9	78.2	117.2

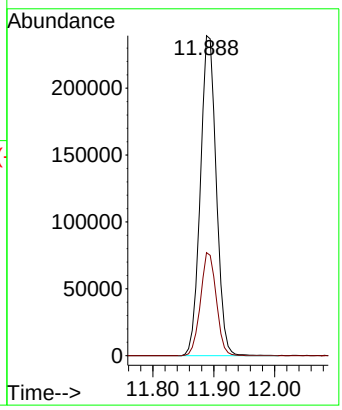




#65
Chlorobenzene
Concen: 51.673 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:112 Resp: 43412

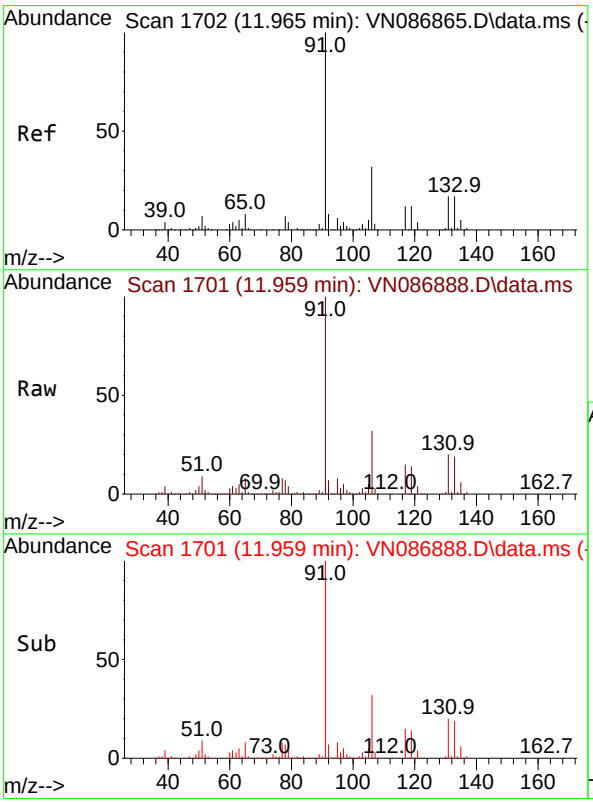
Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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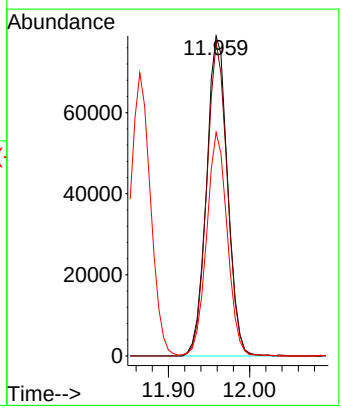
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

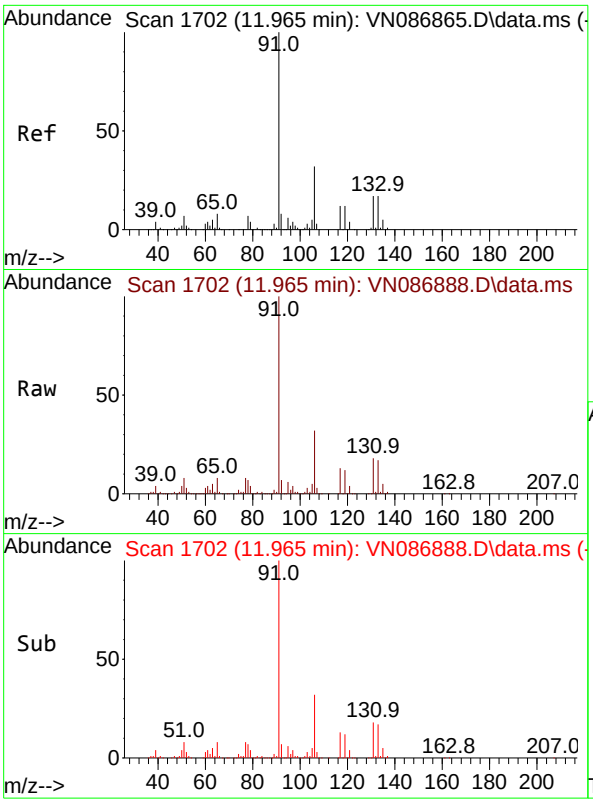


#66
1,1,1,2-Tetrachloroethane
Concen: 52.679 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:131 Resp: 142266

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.3	144.8
119	68.6	34.0	101.8

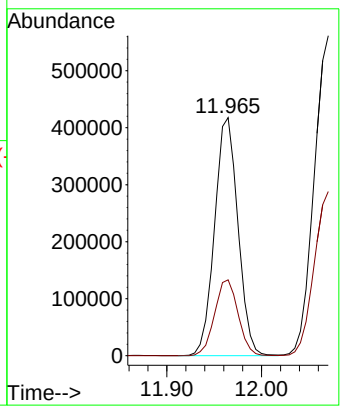




#67
Ethyl Benzene
Concen: 49.523 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 71665

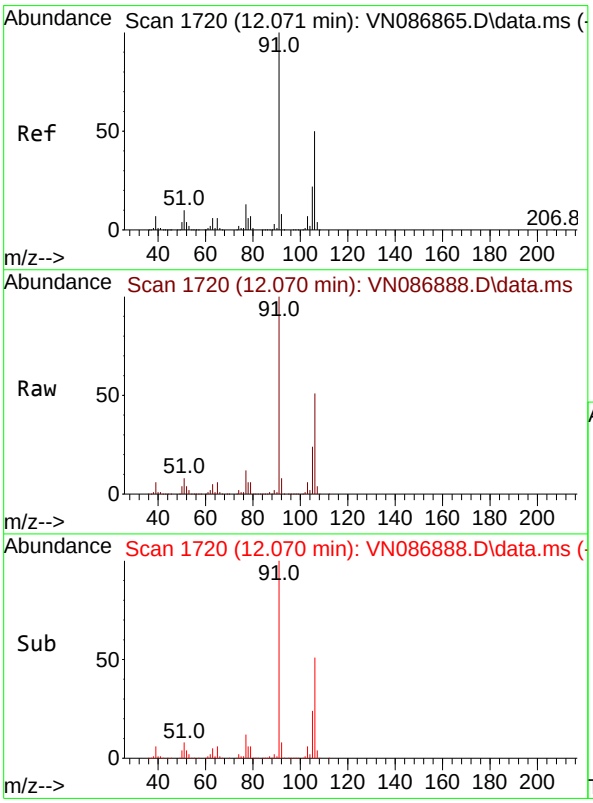
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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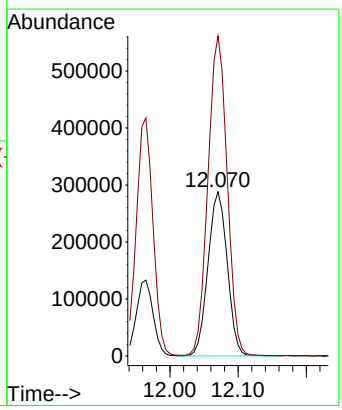
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

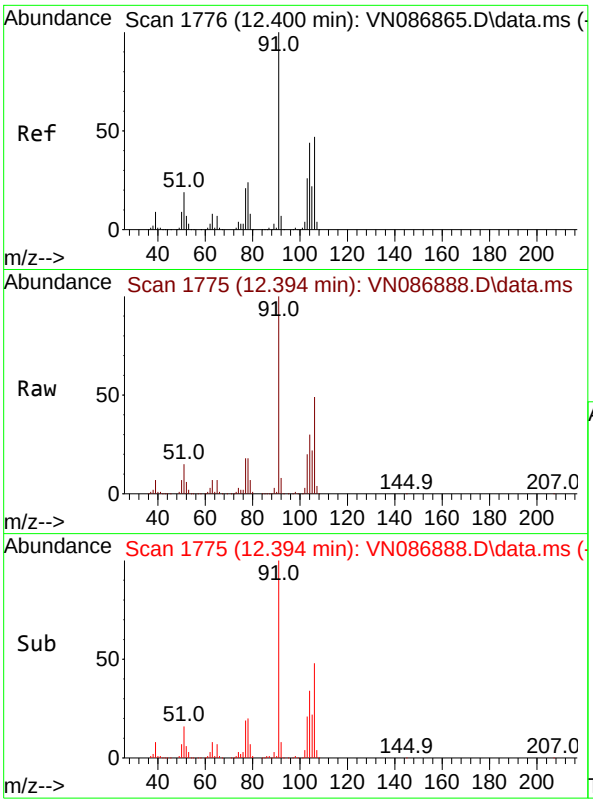


#68
m/p-Xylenes
Concen: 102.006 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:106 Resp: 565069

Ion	Ratio	Lower	Upper
106	100		
91	194.8	159.4	239.0

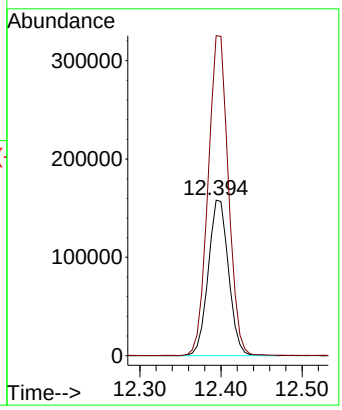




#69
o-Xylene
Concen: 51.757 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:106 Resp: 27459

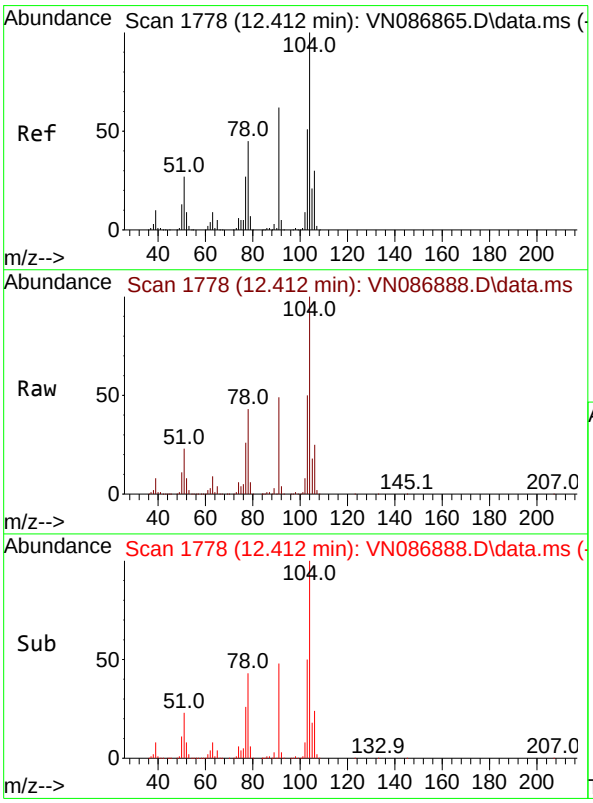
Ion	Ratio	Lower	Upper
106	100		
91	205.5	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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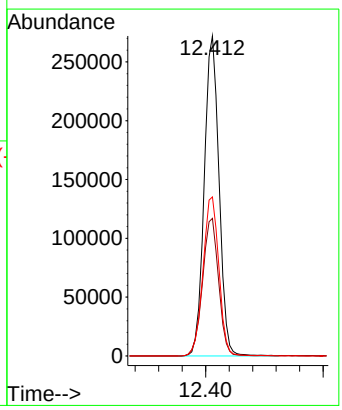
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

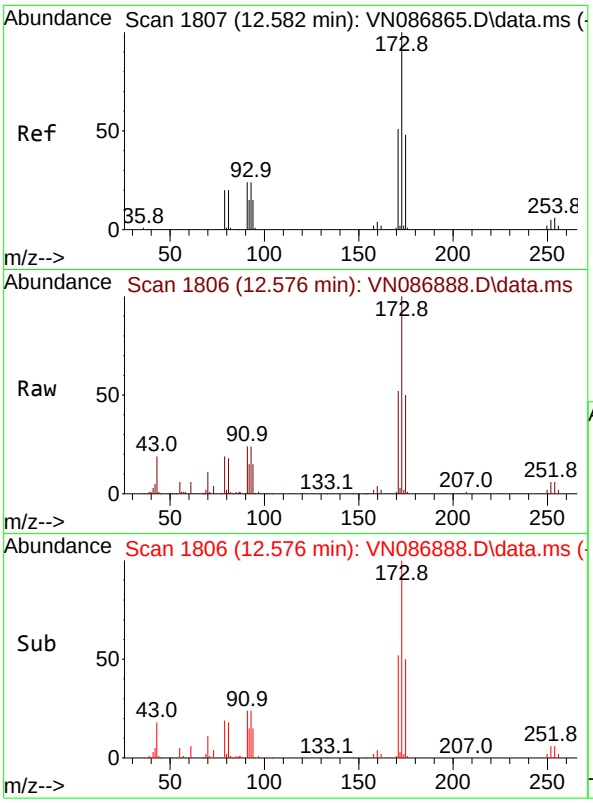


#70
Styrene
Concen: 52.406 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:104 Resp: 475772

Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.5	57.7
103	53.3	43.1	64.7





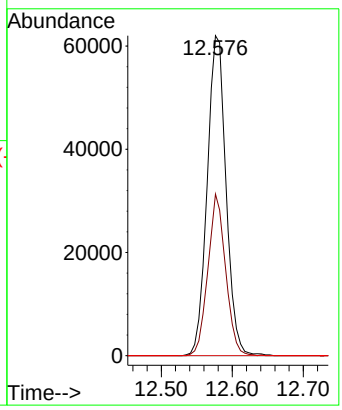
#71
Bromoform
Concen: 57.115 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

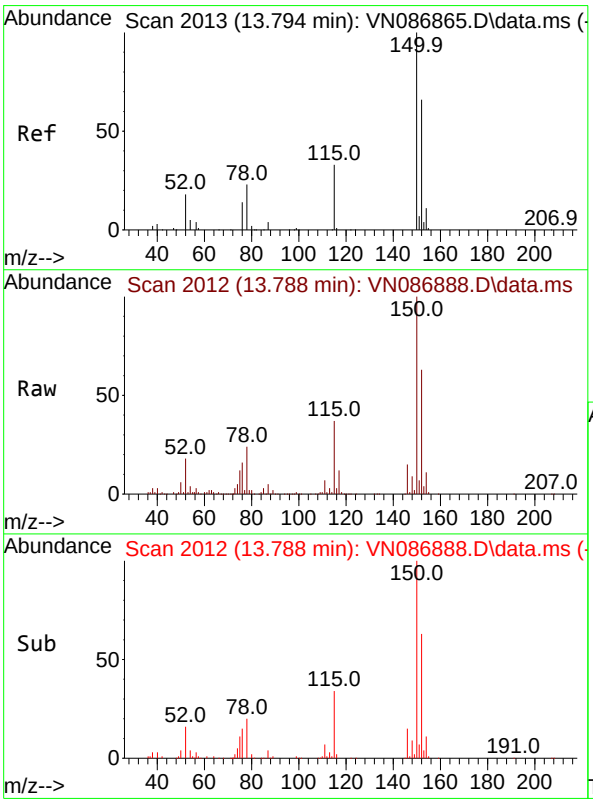
Tgt Ion:173 Resp: 11428

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.1	72.4
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

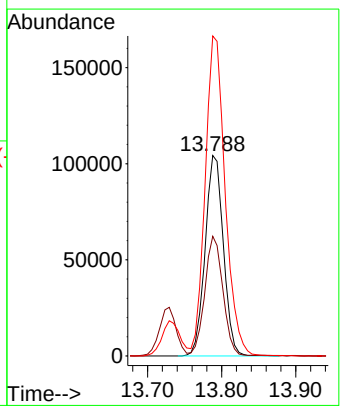


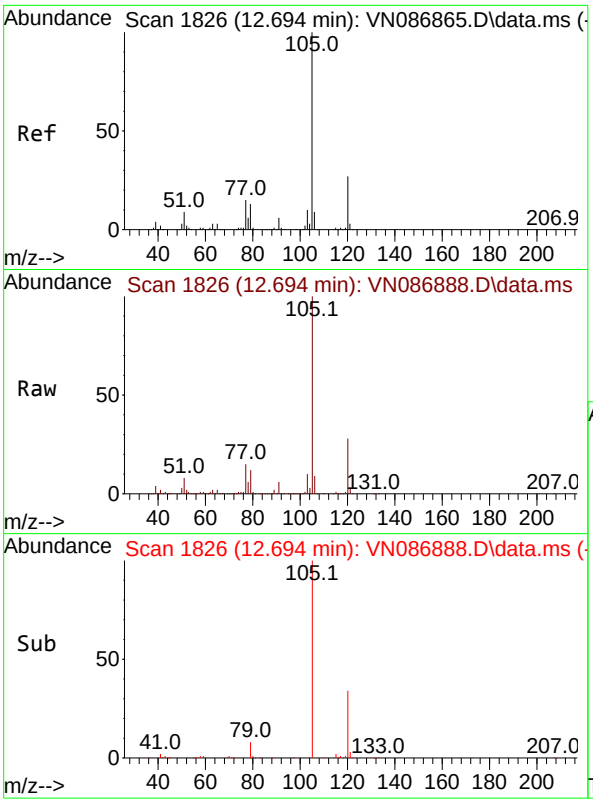


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:152 Resp: 178512

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.1	90.5
150	174.5	0.0	345.0





#73
Isopropylbenzene
Concen: 51.104 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

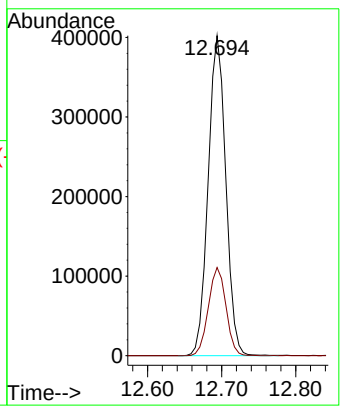
Tgt Ion:105 Resp: 66459

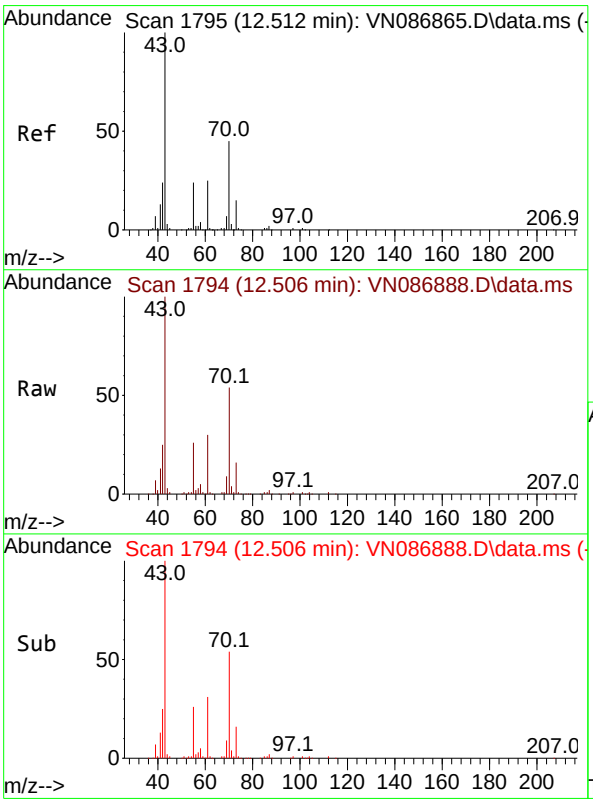
Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

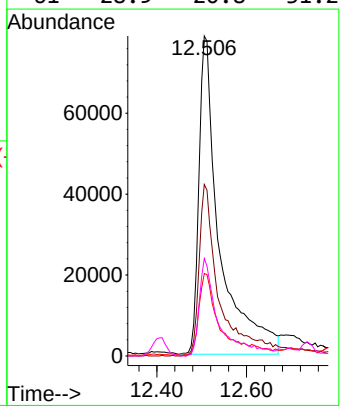


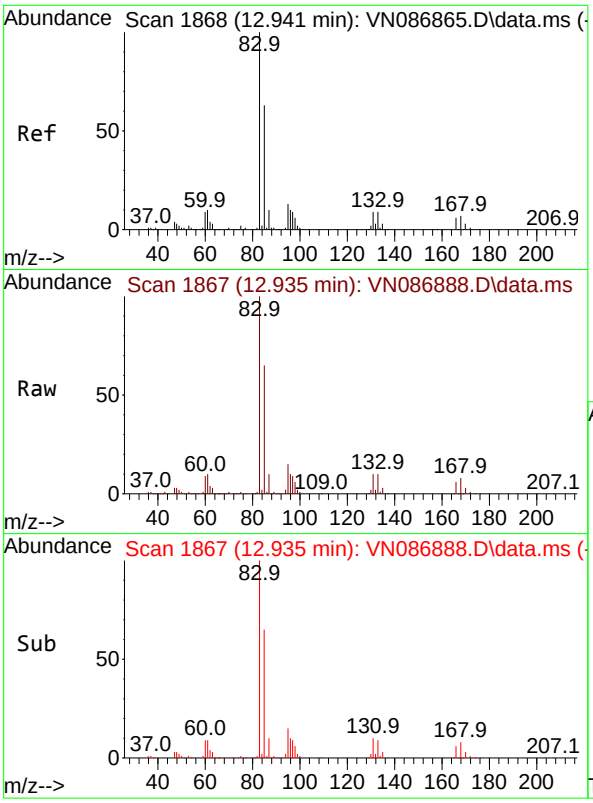


#74
N-amyl acetate
Concen: 55.326 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 251426

Ion	Ratio	Lower	Upper
43	100		
70	57.0	37.6	56.4#
55	24.1	19.0	28.6
61	28.9	20.8	31.2

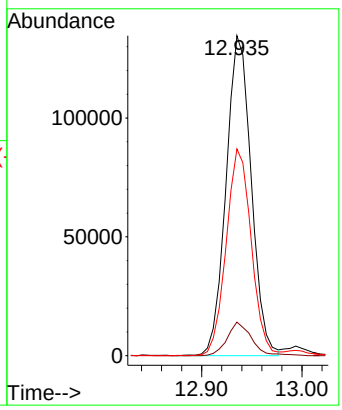




#75
1,1,2,2-Tetrachloroethane
Concen: 53.240 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 83 Resp: 23456

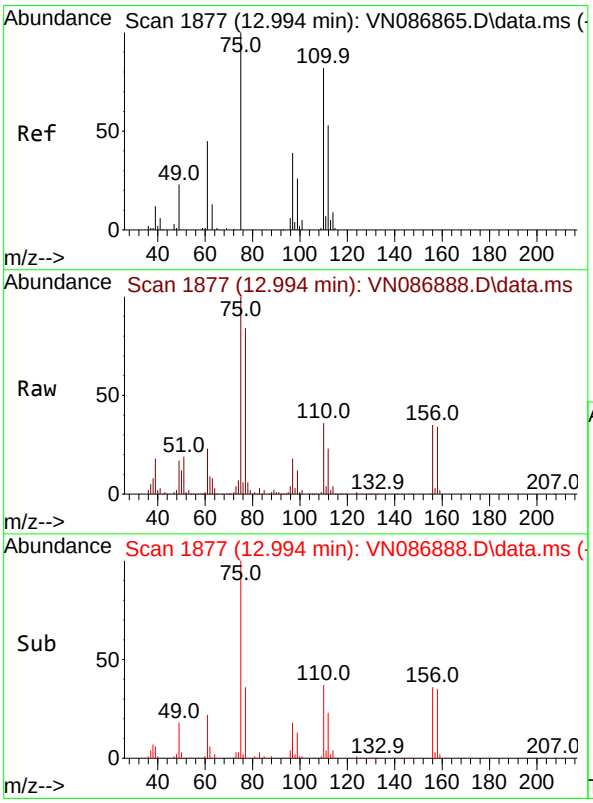
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.4	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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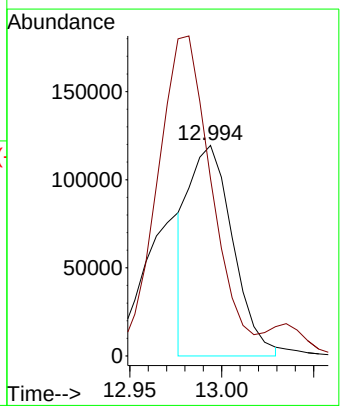
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

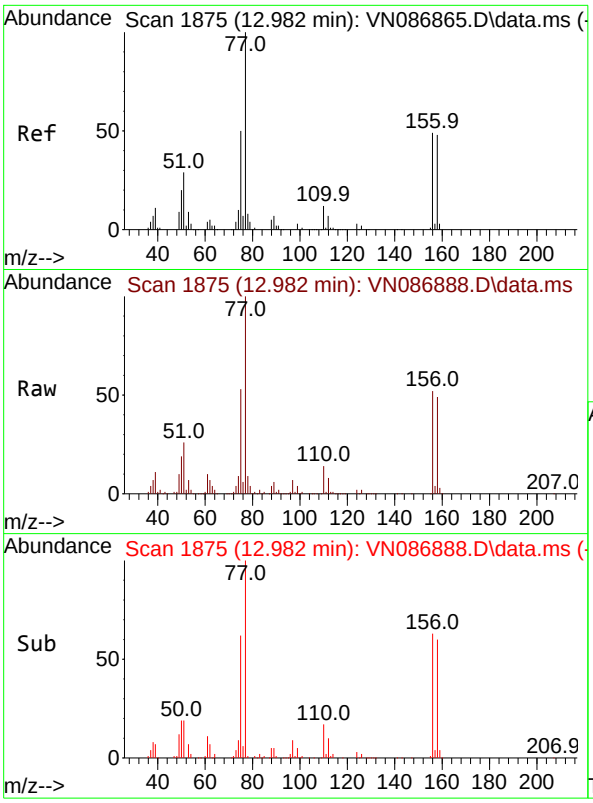


#76
1,2,3-Trichloropropane
Concen: 46.776 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 198486

Ion	Ratio	Lower	Upper
75	100		
77	188.2	79.3	237.9

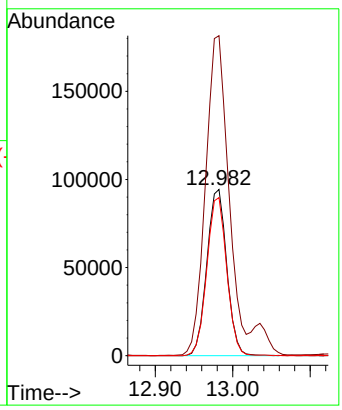




#77
Bromobenzene
Concen: 56.377 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:156 Resp: 16814

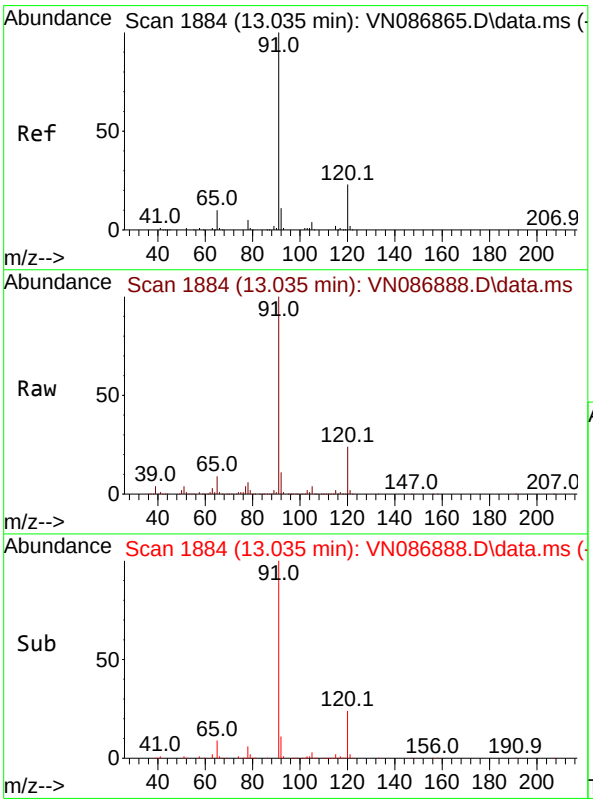
Ion	Ratio	Lower	Upper
156	100		
77	222.1	117.7	353.1
158	95.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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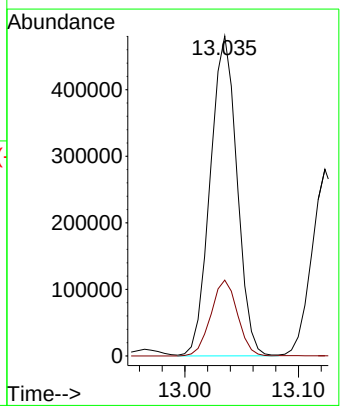
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

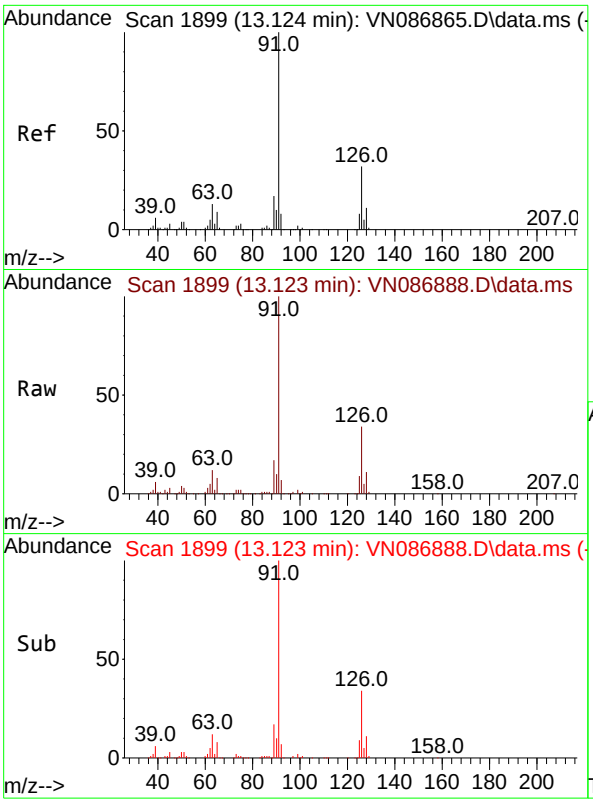


#78
n-propylbenzene
Concen: 49.835 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 787597

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.4	34.2

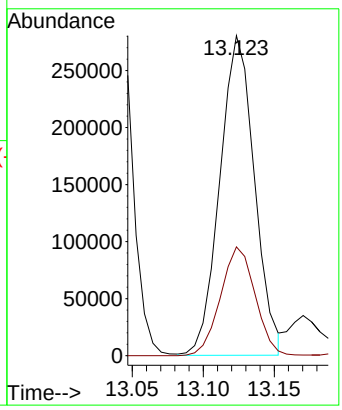




#79
2-Chlorotoluene
Concen: 50.223 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 47601

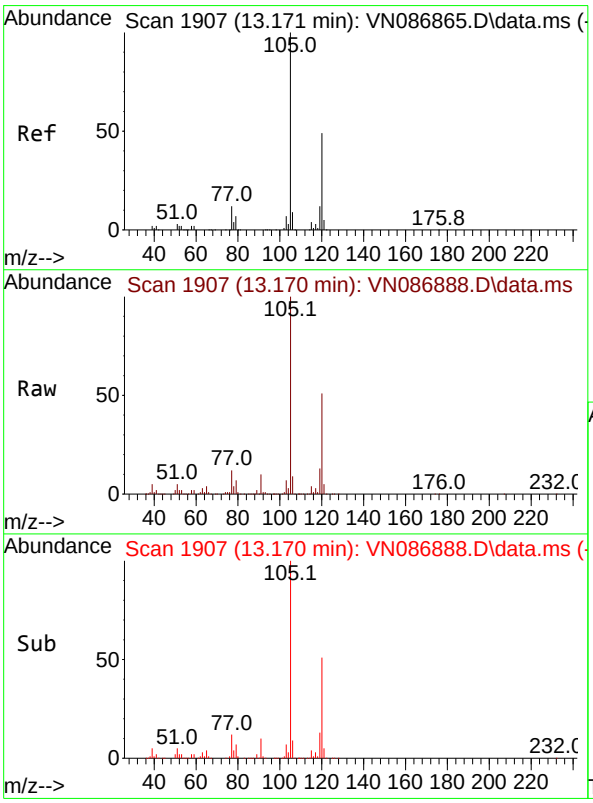
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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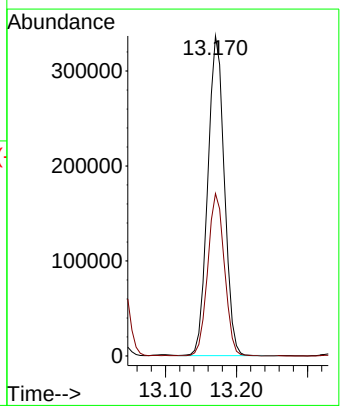
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

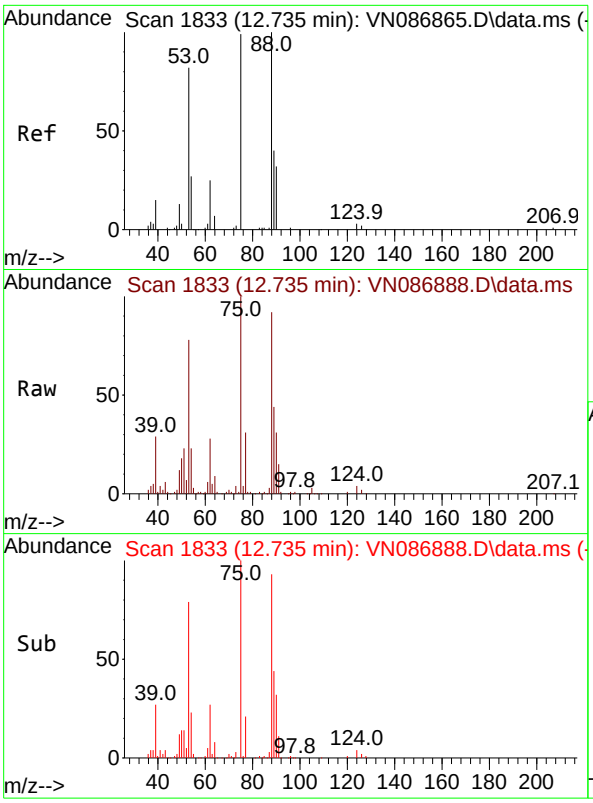


#80
1,3,5-Trimethylbenzene
Concen: 50.722 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:105 Resp: 544603

Ion	Ratio	Lower	Upper
105	100		
120	51.3	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 57.553 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

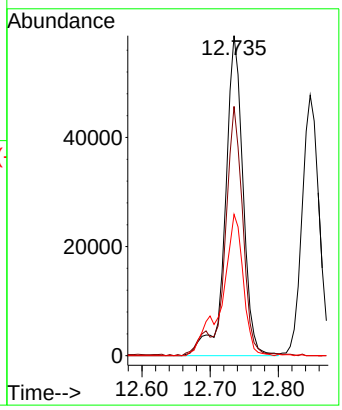
Tgt Ion: 75 Resp: 10609

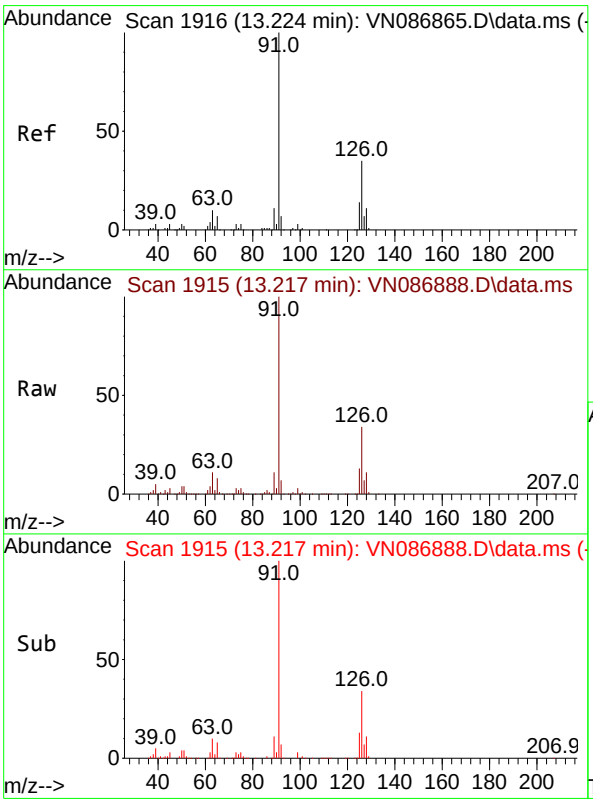
Ion	Ratio	Lower	Upper
75	100		
53	73.7	66.6	99.8
89	53.6	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

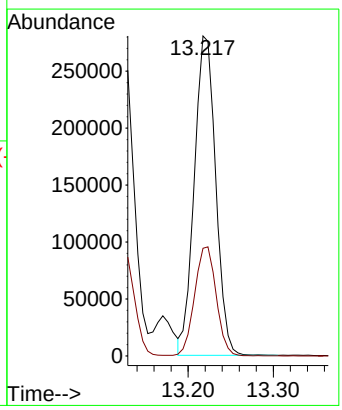


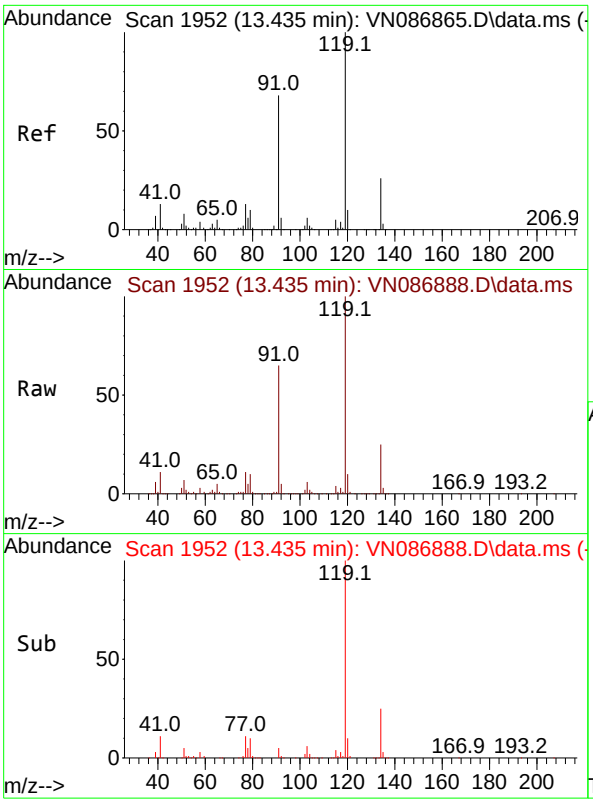


#82
4-Chlorotoluene
Concen: 50.946 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 488581

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.7	50.1

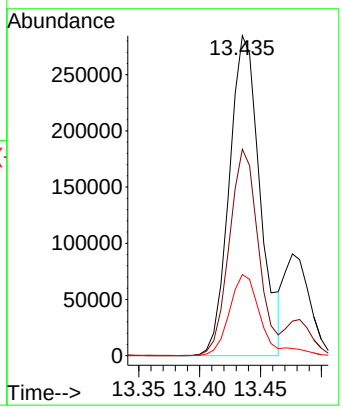




#83
tert-Butylbenzene
Concen: 50.830 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:119 Resp: 49957

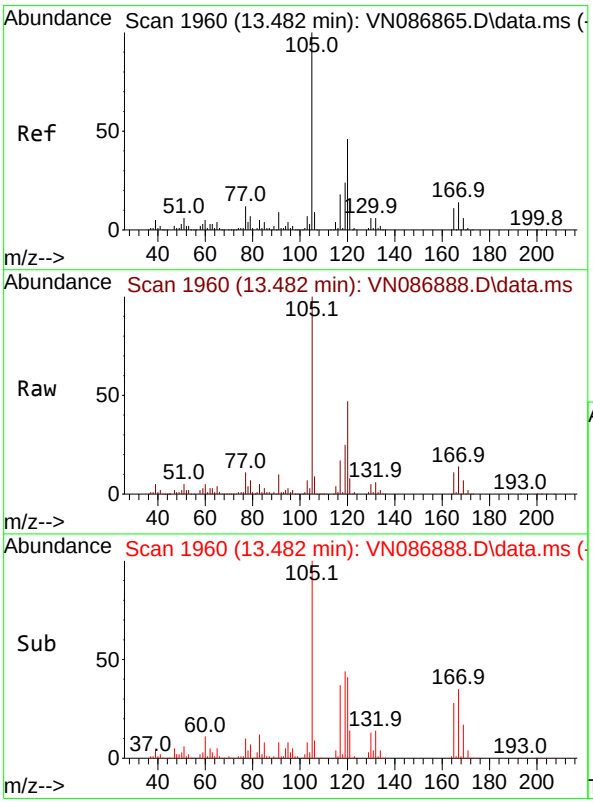
Ion	Ratio	Lower	Upper
119	100		
91	61.1	32.1	96.5
134	26.2	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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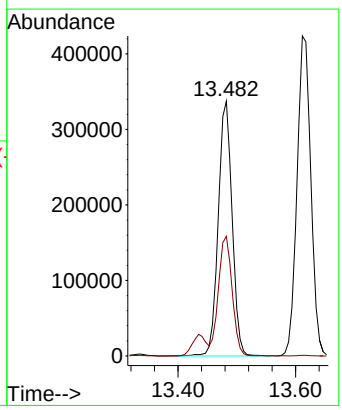
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

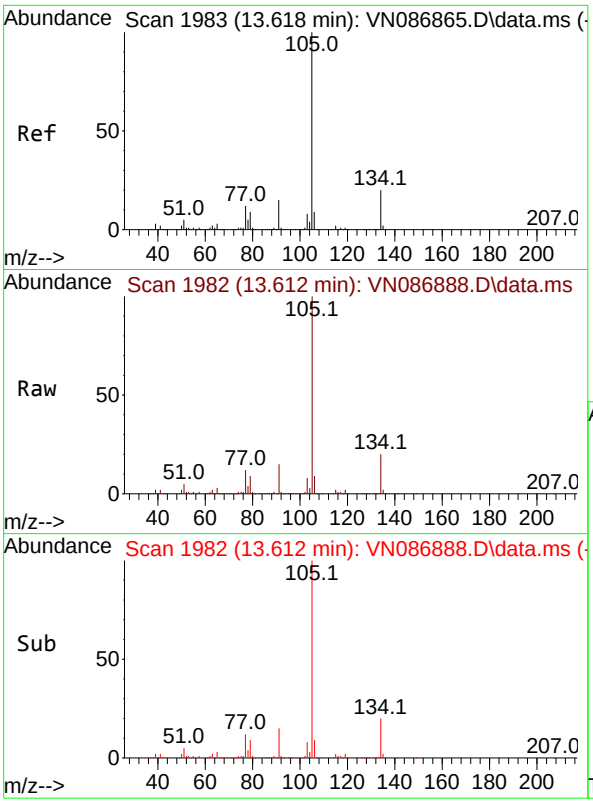


#84
1,2,4-Trimethylbenzene
Concen: 51.368 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:105 Resp: 553058

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85
sec-Butylbenzene
Concen: 48.470 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

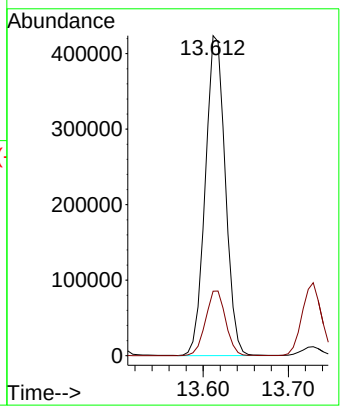
Tgt Ion:105 Resp: 69181

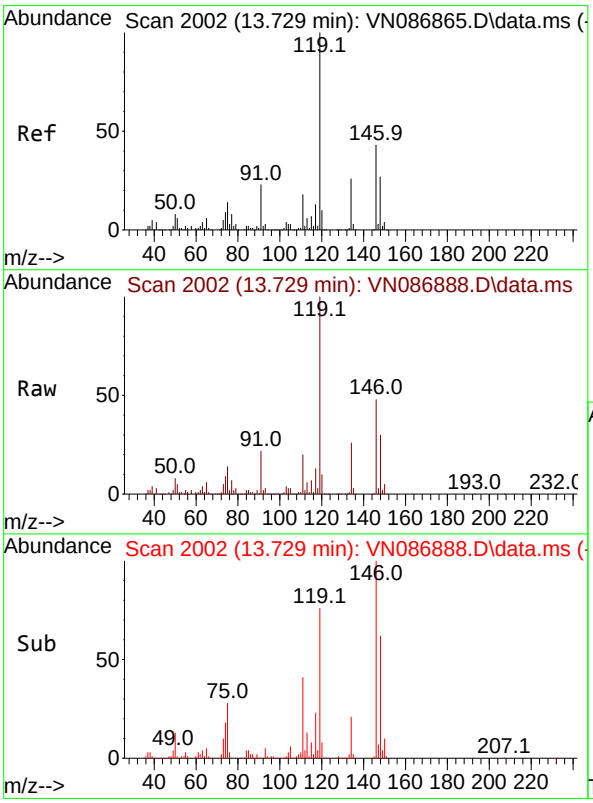
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

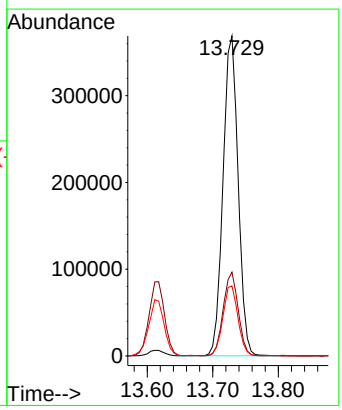


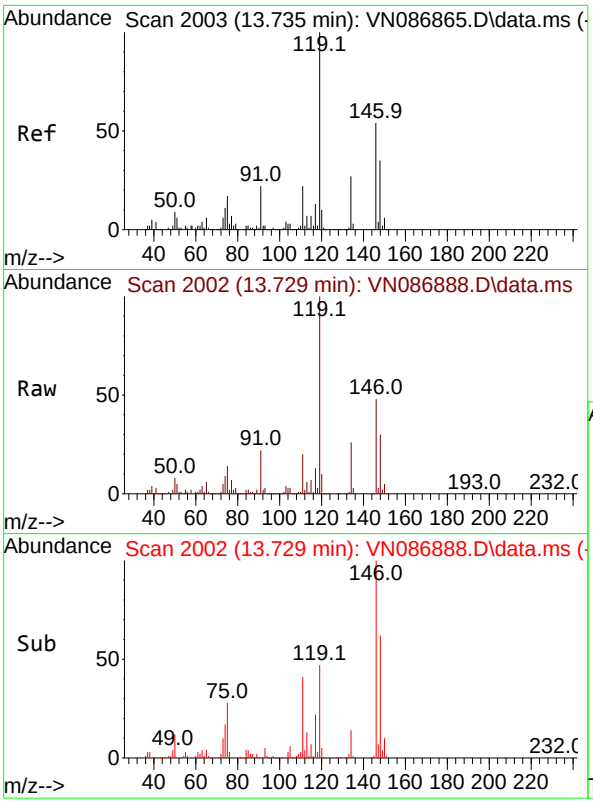


#86
p-Isopropyltoluene
Concen: 49.859 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:119 Resp: 588262

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.5	40.4
91	22.1	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 52.181 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

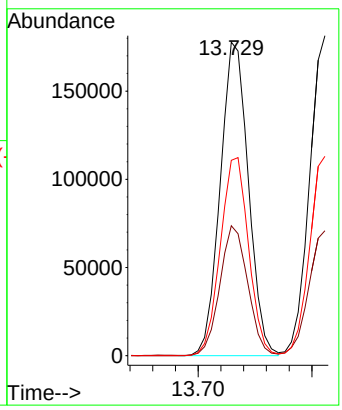
Tgt Ion:146 Resp: 30619

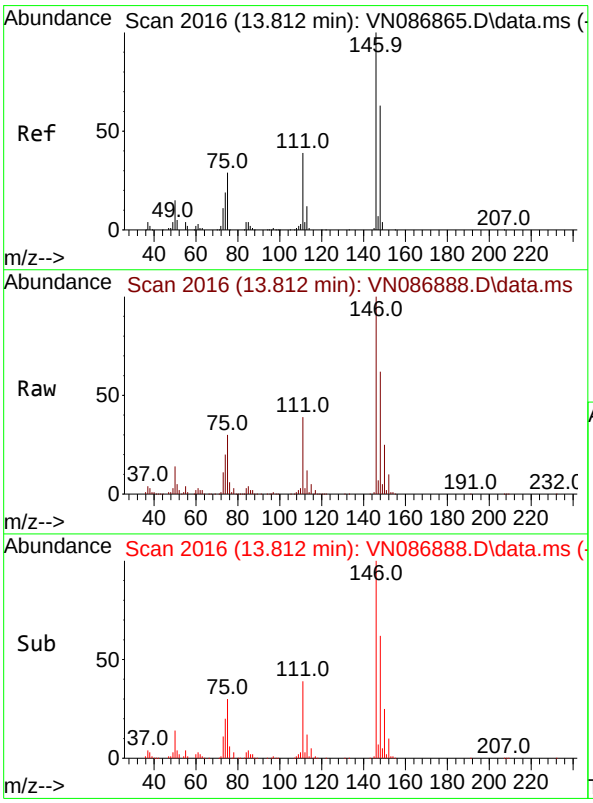
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	63.3	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

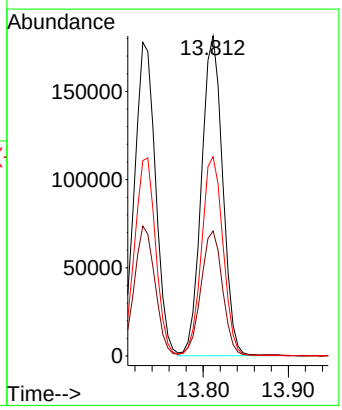


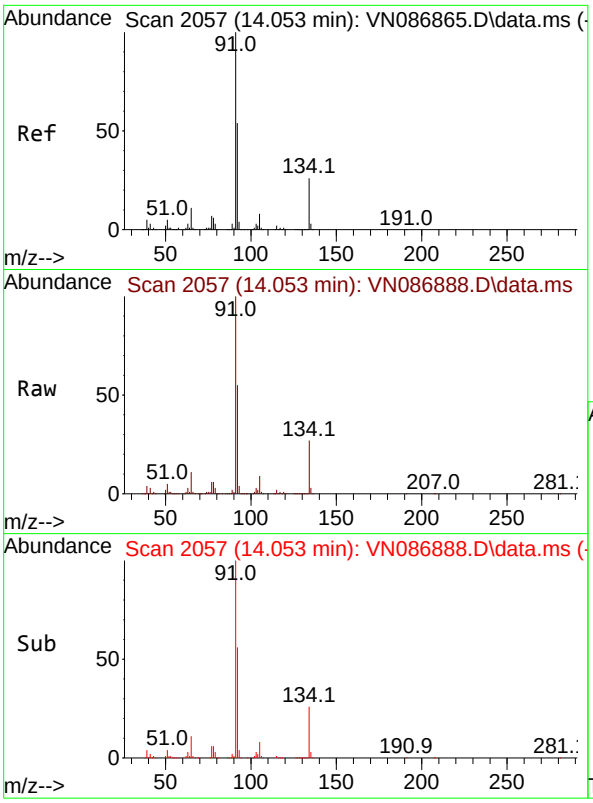


#88
1,4-Dichlorobenzene
Concen: 52.364 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:146 Resp: 313266

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.3	31.8	95.4





#89
n-Butylbenzene
Concen: 46.003 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

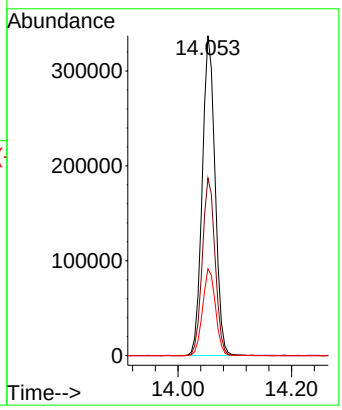
Tgt Ion: 91 Resp: 52572

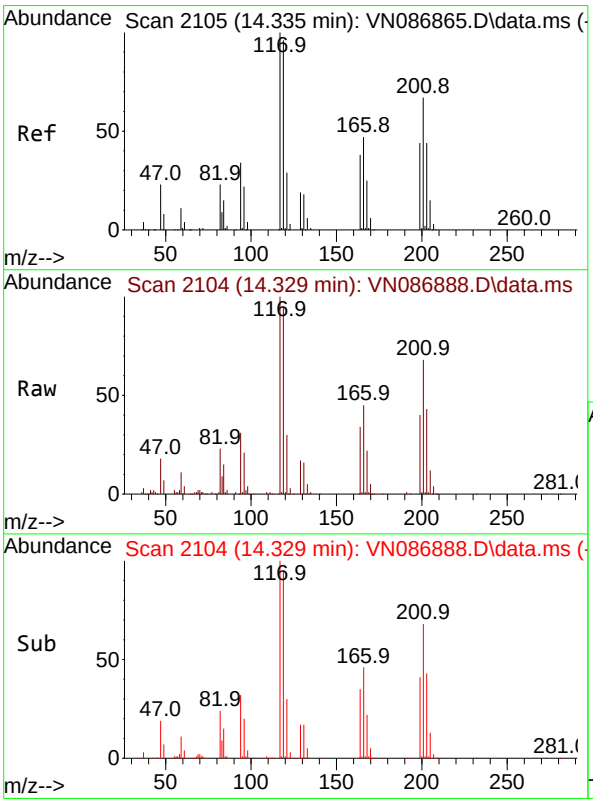
Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.5	82.4
134	27.4	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

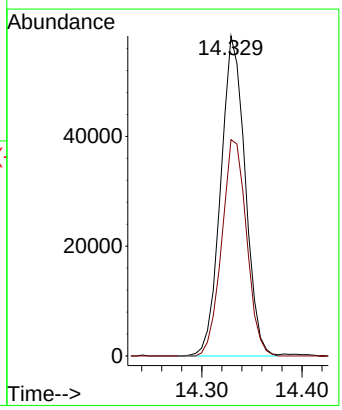


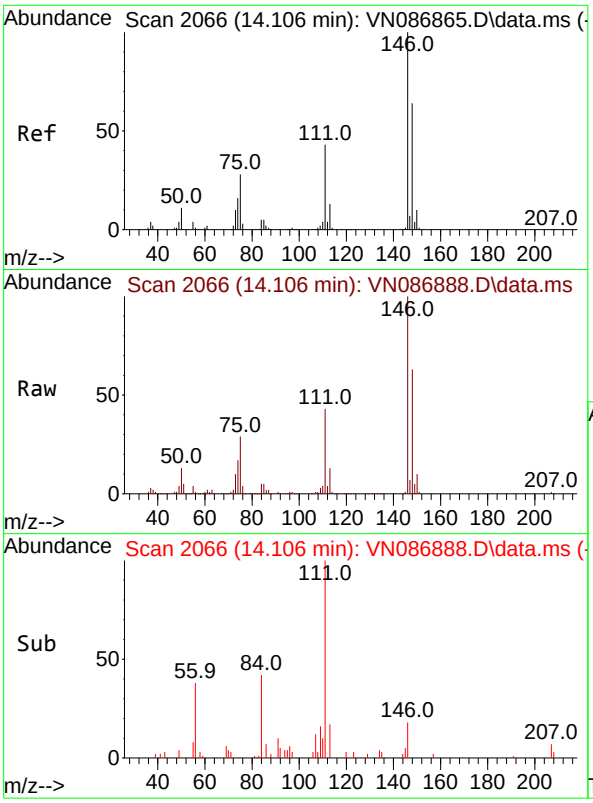


#90
Hexachloroethane
Concen: 49.322 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:117 Resp: 98638

Ion	Ratio	Lower	Upper
117	100		
201	68.6	33.2	99.6

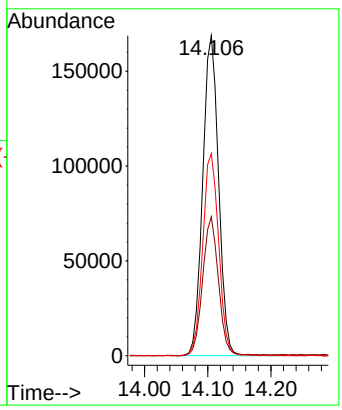




#91
1,2-Dichlorobenzene
Concen: 52.195 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:146 Resp: 29425

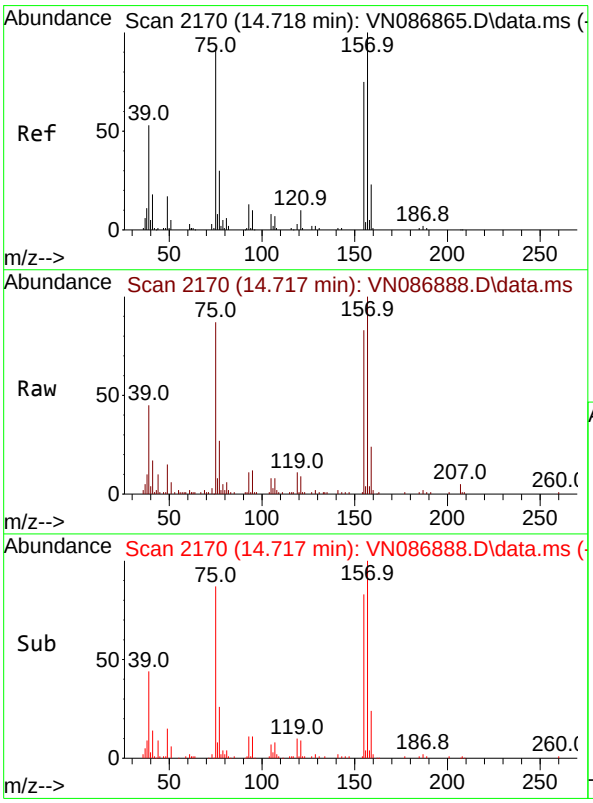
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	63.6	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

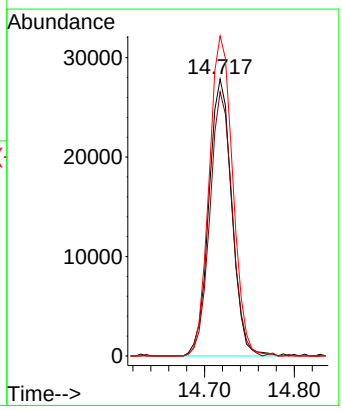
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

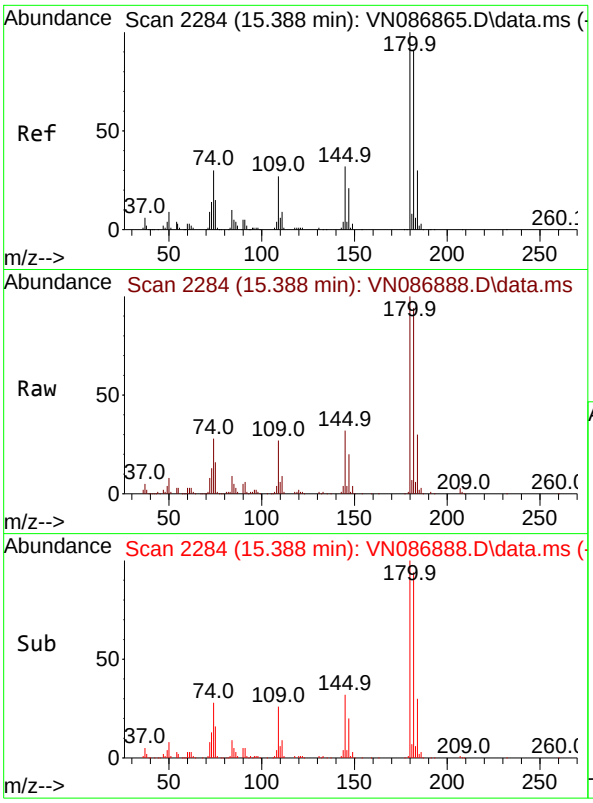


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.847 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 49360

Ion	Ratio	Lower	Upper
75	100		
155	93.3	41.1	123.4
157	119.3	52.7	158.1

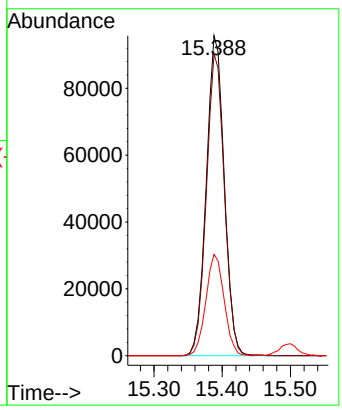




#93
1,2,4-Trichlorobenzene
Concen: 48.814 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:180 Resp: 17572

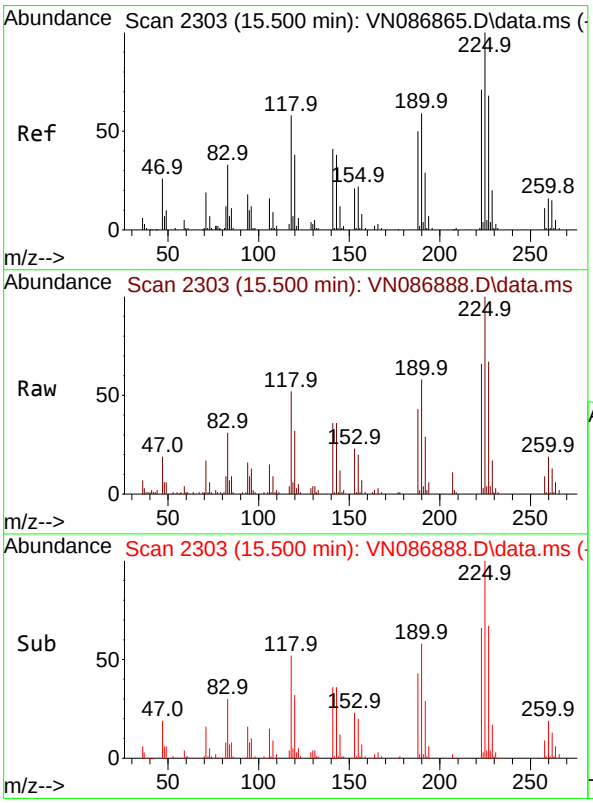
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.7
145	32.2	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

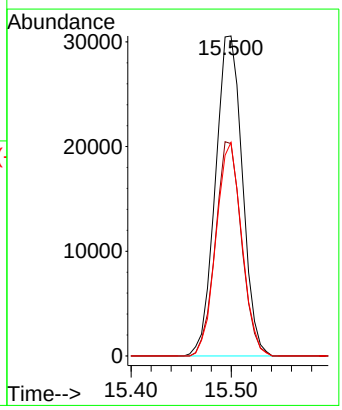
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

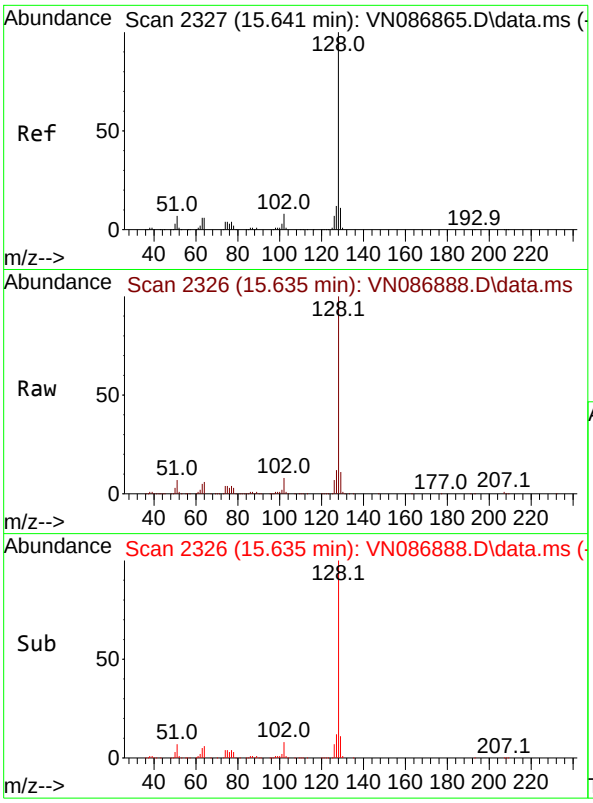


#94
Hexachlorobutadiene
Concen: 42.652 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:225 Resp: 57205

Ion	Ratio	Lower	Upper
225	100		
223	64.6	33.5	100.4
227	63.5	31.1	93.5

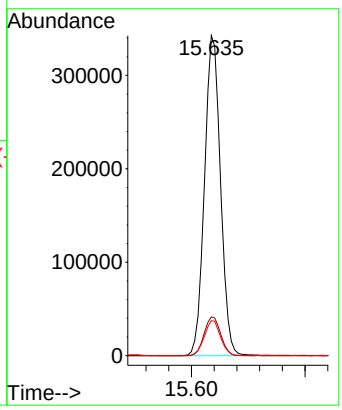




#95
Naphthalene
Concen: 49.854 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:128 Resp: 66802

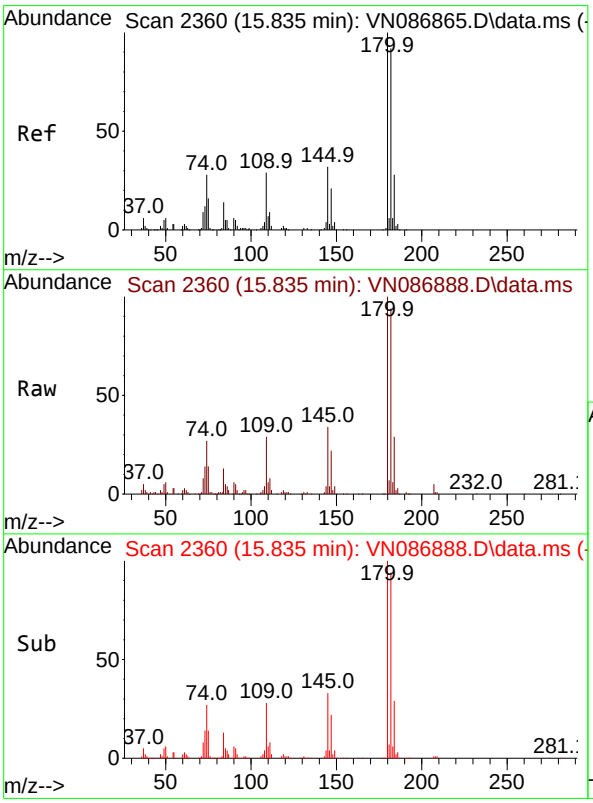
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

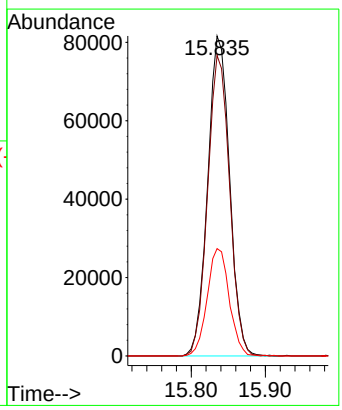
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 46.816 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:180 Resp: 167447

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.8	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	126	0.00
2	T	Dichlorodifluoromethane	0.499	0.503	-0.8	126	0.00
3	P	Chloromethane	0.644	0.544	15.5	115	0.00
4	C	Vinyl Chloride	0.664	0.635	4.4#	125	0.00
5	T	Bromomethane	0.372	0.326	12.4	115	0.00
6	T	Chloroethane	0.429	0.413	3.7	128	0.00
7	T	Trichlorofluoromethane	0.868	0.839	3.3	127	0.00
8	T	Diethyl Ether	0.378	0.386	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.522	4.2	127	0.00
10	T	Methyl Iodide	0.707	0.607	14.1	112	0.00
11	T	Tert butyl alcohol	0.182	0.145	20.3	104	-0.01
12	CM	1,1-Dichloroethene	0.557	0.556	0.2#	131	0.00
13	T	Acrolein	0.057	0.045	21.1	124	0.00
14	T	Allyl chloride	0.923	0.797	13.7	116	0.00
15	T	Acrylonitrile	0.425	0.383	9.9	119	-0.01
16	T	Acetone	0.355	0.307	13.5	120	0.00
17	T	Carbon Disulfide	1.539	1.421	7.7	126	0.00
18	T	Methyl Acetate	1.035	0.895	13.5	114	0.00
19	T	Methyl tert-butyl Ether	2.015	1.978	1.8	129	0.00
20	T	Methylene Chloride	0.665	0.619	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.584	5.7	130	0.00
22	T	Diisopropyl ether	1.945	1.774	8.8	121	0.00
23	T	Vinyl Acetate	1.644	1.503	8.6	119	0.00
24	P	1,1-Dichloroethane	1.120	1.054	5.9	125	0.00
25	T	2-Butanone	0.577	0.476	17.5	109	0.00
26	T	2,2-Dichloropropane	0.871	0.928	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.720	2.7	130	0.00
28	T	Bromochloromethane	0.550	0.452	17.8	122	0.00
29	T	Tetrahydrofuran	0.376	0.312	17.0	110	0.00
30	C	Chloroform	1.118	1.055	5.6#	125	0.00
31	T	Cyclohexane	1.086	0.885	18.5	111	0.00
32	T	1,1,1-Trichloroethane	0.951	0.876	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.579	13.5	146	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	119	0.00
35	S	Dibromofluoromethane	0.296	0.295	0.3	160#	0.00
36	T	1,1-Dichloropropene	0.442	0.434	1.8	124	0.00
37	T	Ethyl Acetate	0.562	0.517	8.0	115	0.00
38	T	Carbon Tetrachloride	0.433	0.431	0.5	126	0.00
39	T	Methylcyclohexane	0.605	0.539	10.9	113	0.00
40	TM	Benzene	1.444	1.423	1.5	126	0.00
41	T	Methacrylonitrile	0.316	0.282	10.8	111	0.00
42	TM	1,2-Dichloroethane	0.438	0.420	4.1	122	0.00
43	T	Isopropyl Acetate	0.902	0.828	8.2	116	0.00
44	TM	Trichloroethene	0.342	0.352	-2.9	129	0.00
45	C	1,2-Dichloropropane	0.351	0.346	1.4#	125	0.00
46	T	Dibromomethane	0.233	0.243	-4.3	131	0.00
47	T	Bromodichloromethane	0.480	0.479	0.2	125	0.00
48	T	Methyl methacrylate	0.415	0.376	9.4	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	105	0.00
50	S	Toluene-d8	1.173	1.125	4.1	156#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.507	6.6	113	0.00
52	CM	Toluene	0.882	0.878	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	0.537	0.560	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.596	-3.8	129	0.00
55	T	1,1,2-Trichloroethane	0.340	0.341	-0.3	126	0.00
56	T	Ethyl methacrylate	0.541	0.588	-8.7	126	0.00
57	T	1,3-Dichloropropane	0.589	0.587	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.298	7.7	130	0.00
59	T	2-Hexanone	0.350	0.342	2.3	111	0.00
60	T	Dibromochloromethane	0.354	0.375	-5.9	132	0.00
61	T	1,2-Dibromoethane	0.348	0.355	-2.0	129	0.00
62	S	4-Bromofluorobenzene	0.436	0.405	7.1	149	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
64	T	Tetrachloroethene	0.316	0.318	-0.6	124	0.00
65	PM	Chlorobenzene	1.103	1.140	-3.4	128	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.373	-5.4	127	0.00
67	C	Ethyl Benzene	1.899	1.881	0.9#	120	0.00
68	T	m/p-Xylenes	0.727	0.742	-2.1	121	0.00
69	T	o-Xylene	0.696	0.721	-3.6	122	0.00
70	T	Styrene	1.192	1.249	-4.8	123	0.00
71	P	Bromoform	0.263	0.300	-14.1	130	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.643	3.723	-2.2	116	0.00
74	T	N-amyl acetate	1.273	1.408	-10.6	119	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.314	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	1.189	1.112	6.5	101	0.00
77	T	Bromobenzene	0.835	0.942	-12.8	127	0.00
78	T	n-propylbenzene	4.427	4.412	0.3	112	0.00
79	T	2-Chlorotoluene	2.655	2.667	-0.5	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.051	-1.5	112	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.594	-15.1	133	0.00
82	T	4-Chlorotoluene	2.686	2.737	-1.9	115	0.00
83	T	tert-Butylbenzene	2.753	2.799	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.098	-2.7	113	0.00
85	T	sec-Butylbenzene	3.998	3.875	3.1	108	0.00
86	T	p-Isopropyltoluene	3.305	3.295	0.3	110	0.00
87	T	1,3-Dichlorobenzene	1.644	1.715	-4.3	118	0.00
88	T	1,4-Dichlorobenzene	1.676	1.755	-4.7	119	0.00
89	T	n-Butylbenzene	3.201	2.945	8.0	103	0.00
90	T	Hexachloroethane	0.560	0.553	1.3	110	0.00
91	T	1,2-Dichlorobenzene	1.579	1.648	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.277	6.1	108	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.984	2.4	108	0.00
94	T	Hexachlorobutadiene	0.376	0.320	14.9	94	0.00
95	T	Naphthalene	3.753	3.742	0.3	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.938	6.4	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	126	0.00
2	T	Dichlorodifluoromethane	50.000	50.418	-0.8	126	0.00
3	P	Chloromethane	50.000	42.283	15.4	115	0.00
4	C	Vinyl Chloride	50.000	47.784	4.4#	125	0.00
5	T	Bromomethane	50.000	43.902	12.2	115	0.00
6	T	Chloroethane	50.000	48.168	3.7	128	0.00
7	T	Trichlorofluoromethane	50.000	48.355	3.3	127	0.00
8	T	Diethyl Ether	50.000	51.036	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.861	4.3	127	0.00
10	T	Methyl Iodide	50.000	42.943	14.1	112	0.00
11	T	Tert butyl alcohol	250.000	199.609	20.2	104	-0.01
12	CM	1,1-Dichloroethene	50.000	49.926	0.1#	131	0.00
13	T	Acrolein	250.000	194.571	22.2	124	0.00
14	T	Allyl chloride	50.000	43.154	13.7	116	0.00
15	T	Acrylonitrile	250.000	225.403	9.8	119	-0.01
16	T	Acetone	250.000	215.878	13.6	120	0.00
17	T	Carbon Disulfide	50.000	46.155	7.7	126	0.00
18	T	Methyl Acetate	50.000	43.249	13.5	114	0.00
19	T	Methyl tert-butyl Ether	50.000	49.089	1.8	129	0.00
20	T	Methylene Chloride	50.000	46.563	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.175	5.7	130	0.00
22	T	Diisopropyl ether	50.000	45.597	8.8	121	0.00
23	T	Vinyl Acetate	250.000	228.547	8.6	119	0.00
24	P	1,1-Dichloroethane	50.000	47.076	5.8	125	0.00
25	T	2-Butanone	250.000	206.354	17.5	109	0.00
26	T	2,2-Dichloropropane	50.000	53.268	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.643	2.7	130	0.00
28	T	Bromochloromethane	50.000	41.024	18.0	122	0.00
29	T	Tetrahydrofuran	250.000	207.479	17.0	110	0.00
30	C	Chloroform	50.000	47.175	5.7#	125	0.00
31	T	Cyclohexane	50.000	40.735	18.5	111	0.00
32	T	1,1,1-Trichloroethane	50.000	46.033	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.251	13.5	146	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	119	0.00
35	S	Dibromofluoromethane	50.000	49.703	0.6	160	0.00
36	T	1,1-Dichloropropene	50.000	49.186	1.6	124	0.00
37	T	Ethyl Acetate	50.000	45.959	8.1	115	0.00
38	T	Carbon Tetrachloride	50.000	49.670	0.7	126	0.00
39	T	Methylcyclohexane	50.000	44.591	10.8	113	0.00
40	TM	Benzene	50.000	49.272	1.5	126	0.00
41	T	Methacrylonitrile	50.000	44.731	10.5	111	0.00
42	TM	1,2-Dichloroethane	50.000	48.002	4.0	122	0.00
43	T	Isopropyl Acetate	50.000	45.868	8.3	116	0.00
44	TM	Trichloroethene	50.000	51.458	-2.9	129	0.00
45	C	1,2-Dichloropropane	50.000	49.319	1.4#	125	0.00
46	T	Dibromomethane	50.000	52.086	-4.2	131	0.00
47	T	Bromodichloromethane	50.000	49.933	0.1	125	0.00
48	T	Methyl methacrylate	50.000	45.323	9.4	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	906.076	9.4	105	0.00
50	S	Toluene-d8	50.000	47.952	4.1	156	0.00
51	T	4-Methyl-2-Pentanone	250.000	233.442	6.6	113	0.00
52	CM	Toluene	50.000	49.745	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	50.000	52.141	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.859	-3.7	129	0.00
55	T	1,1,2-Trichloroethane	50.000	50.186	-0.4	126	0.00
56	T	Ethyl methacrylate	50.000	54.375	-8.8	126	0.00
57	T	1,3-Dichloropropane	50.000	49.844	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.994	7.6	130	0.00
59	T	2-Hexanone	250.000	244.401	2.2	111	0.00
60	T	Dibromochloromethane	50.000	52.993	-6.0	132	0.00
61	T	1,2-Dibromoethane	50.000	51.016	-2.0	129	0.00
62	S	4-Bromofluorobenzene	50.000	46.522	7.0	149	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	114	0.00
64	T	Tetrachloroethene	50.000	50.252	-0.5	124	0.00
65	PM	Chlorobenzene	50.000	51.673	-3.3	128	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.679	-5.4	127	0.00
67	C	Ethyl Benzene	50.000	49.523	1.0#	120	0.00
68	T	m/p-Xylenes	100.000	102.006	-2.0	121	0.00
69	T	o-Xylene	50.000	51.757	-3.5	122	0.00
70	T	Styrene	50.000	52.406	-4.8	123	0.00
71	P	Bromoform	50.000	57.115	-14.2	130	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.104	-2.2	116	0.00
74	T	N-amyl acetate	50.000	55.326	-10.7	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.240	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	50.000	46.776	6.4	101	0.00
77	T	Bromobenzene	50.000	56.377	-12.8	127	0.00
78	T	n-propylbenzene	50.000	49.835	0.3	112	0.00
79	T	2-Chlorotoluene	50.000	50.223	-0.4	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.722	-1.4	112	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.553	-15.1	133	0.00
82	T	4-Chlorotoluene	50.000	50.946	-1.9	115	0.00
83	T	tert-Butylbenzene	50.000	50.830	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.368	-2.7	113	0.00
85	T	sec-Butylbenzene	50.000	48.470	3.1	108	0.00
86	T	p-Isopropyltoluene	50.000	49.859	0.3	110	0.00
87	T	1,3-Dichlorobenzene	50.000	52.181	-4.4	118	0.00
88	T	1,4-Dichlorobenzene	50.000	52.364	-4.7	119	0.00
89	T	n-Butylbenzene	50.000	46.003	8.0	103	0.00
90	T	Hexachloroethane	50.000	49.322	1.4	110	0.00
91	T	1,2-Dichlorobenzene	50.000	52.195	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.847	6.3	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.814	2.4	108	0.00
94	T	Hexachlorobutadiene	50.000	42.652	14.7	94	0.00
95	T	Naphthalene	50.000	49.854	0.3	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.816	6.4	105	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: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 17:17

Lab File ID: VN086911.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.541	0.1	-15.99	50
Vinyl Chloride	0.664	0.640		-3.61	50
Bromomethane	0.372	0.343		-7.8	50
Chloroethane	0.429	0.410		-4.43	50
Trichlorofluoromethane	0.868	0.851		-1.96	50
1,1,2-Trichlorotrifluoroethane	0.545	0.522		-4.22	50
1,1-Dichloroethene	0.557	0.551		-1.08	50
Acetone	0.355	0.302		-14.93	50
Carbon Disulfide	1.539	1.420		-7.73	50
Methyl tert-butyl Ether	2.015	2.005		-0.5	50
Methylene Chloride	0.665	0.628		-5.56	50
trans-1,2-Dichloroethene	0.619	0.589		-4.85	50
1,1-Dichloroethane	1.120	1.079	0.1	-3.66	50
2-Butanone	0.577	0.515		-10.74	50
Carbon Tetrachloride	0.433	0.429		-0.92	50
cis-1,2-Dichloroethene	0.740	0.734		-0.81	50
Chloroform	1.118	1.076		-3.76	50
1,1,1-Trichloroethane	0.951	0.899		-5.47	50
Methylcyclohexane	0.605	0.515		-14.88	50
Benzene	1.444	1.414		-2.08	50
1,2-Dichloroethane	0.438	0.431		-1.6	50
Trichloroethene	0.342	0.353		3.22	50
1,2-Dichloropropane	0.351	0.343		-2.28	50
Bromodichloromethane	0.480	0.476		-0.83	50
4-Methyl-2-Pentanone	0.543	0.525		-3.32	50
Toluene	0.882	0.887		0.57	50
t-1,3-Dichloropropene	0.537	0.542		0.93	50
cis-1,3-Dichloropropene	0.574	0.571		-0.52	50
1,1,2-Trichloroethane	0.340	0.343		0.88	50
2-Hexanone	0.350	0.357		2	50
Dibromochloromethane	0.354	0.375		5.93	50
Tetrachloroethene	0.316	0.307		-2.85	50
Chlorobenzene	1.103	1.123	0.3	1.81	50
Ethyl Benzene	1.900	1.876		-1.26	50
m/p-Xylenes	0.727	0.739		1.65	50
o-Xylene	0.696	0.720		3.45	50
Styrene	1.192	1.245		4.45	50
Bromoform	0.263	0.293	0.1	11.41	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2254 SAS No.: Q2254 SDG No.: Q2254

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 17:17

Lab File ID: VN086911.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.608		-0.96	50
1,1,2,2-Tetrachloroethane	1.234	1.293	0.3	4.78	50
1,3-Dichlorobenzene	1.644	1.678		2.07	50
1,4-Dichlorobenzene	1.676	1.721		2.68	50
1,2-Dichlorobenzene	1.579	1.640		3.86	50
1,2-Dichloroethane-d4	0.669	0.638		-4.63	50
Dibromofluoromethane	0.296	0.309		4.39	50
Toluene-d8	1.173	1.190		1.45	50
4-Bromofluorobenzene	0.436	0.435		-0.23	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	236708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	151095	47.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.360%			
35) Dibromofluoromethane	8.177	113	129680	52.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	499965	50.734	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.847	95	182658	49.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	118146	50.059	ug/l	99
3) Chloromethane	2.395	50	127974	41.991	ug/l	100
4) Vinyl Chloride	2.553	62	151561	48.209	ug/l	100
5) Bromomethane	2.995	94	81229	46.171	ug/l	100
6) Chloroethane	3.153	64	96939	47.736	ug/l	93
7) Trichlorofluoromethane	3.530	101	201360	49.022	ug/l	97
8) Diethyl Ether	3.983	74	91879	51.339	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	123565	47.882	ug/l	99
10) Methyl Iodide	4.612	142	133936	40.037	ug/l	99
11) Tert butyl alcohol	5.536	59	189378	220.221	ug/l	100
12) 1,1-Dichloroethene	4.365	96	130373	49.484	ug/l	97
13) Acrolein	4.200	56	73143	268.707	ug/l	100
14) Allyl chloride	5.047	41	189080	43.274	ug/l	97
15) Acrylonitrile	5.736	53	475432	236.533	ug/l	100
16) Acetone	4.447	43	357830	212.908	ug/l	99
17) Carbon Disulfide	4.742	76	336096	46.119	ug/l	99
18) Methyl Acetate	5.041	43	226758	46.298	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	474699	49.762	ug/l	99
20) Methylene Chloride	5.294	84	148574	47.218	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	139305	47.524	ug/l	95
22) Diisopropyl ether	6.688	45	431629	46.864	ug/l	97
23) Vinyl Acetate	6.618	43	1840663	236.538	ug/l	98
24) 1,1-Dichloroethane	6.583	63	255395	48.185	ug/l	99
25) 2-Butanone	7.494	43	609830	223.226	ug/l	95
26) 2,2-Dichloropropane	7.500	77	188220	45.651	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	173722	49.555	ug/l	96
28) Bromochloromethane	7.824	49	111761	42.885	ug/l	90
29) Tetrahydrofuran	7.847	42	397327	223.263	ug/l	95
30) Chloroform	7.977	83	254626	48.104	ug/l	99
31) Cyclohexane	8.265	56	211876	41.219	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	212823	47.273	ug/l	98
36) 1,1-Dichloropropene	8.382	75	182786	49.276	ug/l	99
37) Ethyl Acetate	7.571	43	216357	45.818	ug/l	97
38) Carbon Tetrachloride	8.371	117	180152	49.468	ug/l	95
39) Methylcyclohexane	9.606	83	216305	42.563	ug/l	95
40) Benzene	8.612	78	593973	48.968	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	120583	45.470	ug/l		93
42) 1,2-Dichloroethane	8.677	62	180979	49.191	ug/l		99
43) Isopropyl Acetate	8.694	43	351721	46.408	ug/l		96
44) Trichloroethene	9.359	130	148206	51.528	ug/l		97
45) 1,2-Dichloropropane	9.624	63	143932	48.774	ug/l		100
46) Dibromomethane	9.712	93	100752	51.401	ug/l		98
47) Bromodichloromethane	9.894	83	199966	49.584	ug/l		98
48) Methyl methacrylate	9.682	41	163795	46.955	ug/l		95
49) 1,4-Dioxane	9.706	88	62666	987.483	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	1102726	241.688	ug/l		97
52) Toluene	10.629	92	372743	50.283	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	227518	50.452	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	239800	49.698	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	144074	50.511	ug/l		99
56) Ethyl methacrylate	10.876	69	246945	54.356	ug/l		94
57) 1,3-Dichloropropane	11.165	76	246620	49.842	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	630783	232.785	ug/l		98
59) 2-Hexanone	11.200	43	749210	254.927	ug/l		92
60) Dibromochloromethane	11.359	129	157642	53.046	ug/l		100
61) 1,2-Dibromoethane	11.470	107	151234	51.729	ug/l		98
64) Tetrachloroethene	11.106	164	110856	48.432	ug/l		97
65) Chlorobenzene	11.894	112	406325	50.938	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	133877	52.211	ug/l		99
67) Ethyl Benzene	11.965	91	678406	49.375	ug/l		99
68) m/p-Xylenes	12.070	106	534450	101.613	ug/l		98
69) o-Xylene	12.400	106	260364	51.686	ug/l		96
70) Styrene	12.412	104	450190	52.227	ug/l		99
71) Bromoform	12.576	173	106042	55.815	ug/l	#	100
73) Isopropylbenzene	12.694	105	620099	49.532	ug/l		99
74) N-amyl acetate	12.506	43	252846	57.797	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	222152	52.379	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	214947m	52.621	ug/l		
77) Bromobenzene	12.976	156	156843	54.629	ug/l		96
78) n-propylbenzene	13.035	91	734563	48.282	ug/l		99
79) 2-Chlorotoluene	13.123	91	453845	49.742	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	511955	49.531	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	95072	53.576	ug/l		91
82) 4-Chlorotoluene	13.217	91	461943	50.037	ug/l		98
83) tert-Butylbenzene	13.435	119	443059	46.828	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	520317	50.201	ug/l		99
85) sec-Butylbenzene	13.612	105	640017	46.581	ug/l		99
86) p-Isopropyltoluene	13.729	119	539030	47.459	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	288285	51.035	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	295752	51.354	ug/l		99
89) n-Butylbenzene	14.053	91	483251	43.927	ug/l		99
90) Hexachloroethane	14.329	117	93467	48.549	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	281872	51.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49570	48.871	ug/l		91
93) 1,2,4-Trichlorobenzene	15.388	180	158810	45.826	ug/l		99
94) Hexachlorobutadiene	15.500	225	51579	39.949	ug/l		100
95) Naphthalene	15.635	128	691305	53.593	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	152993	44.434	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

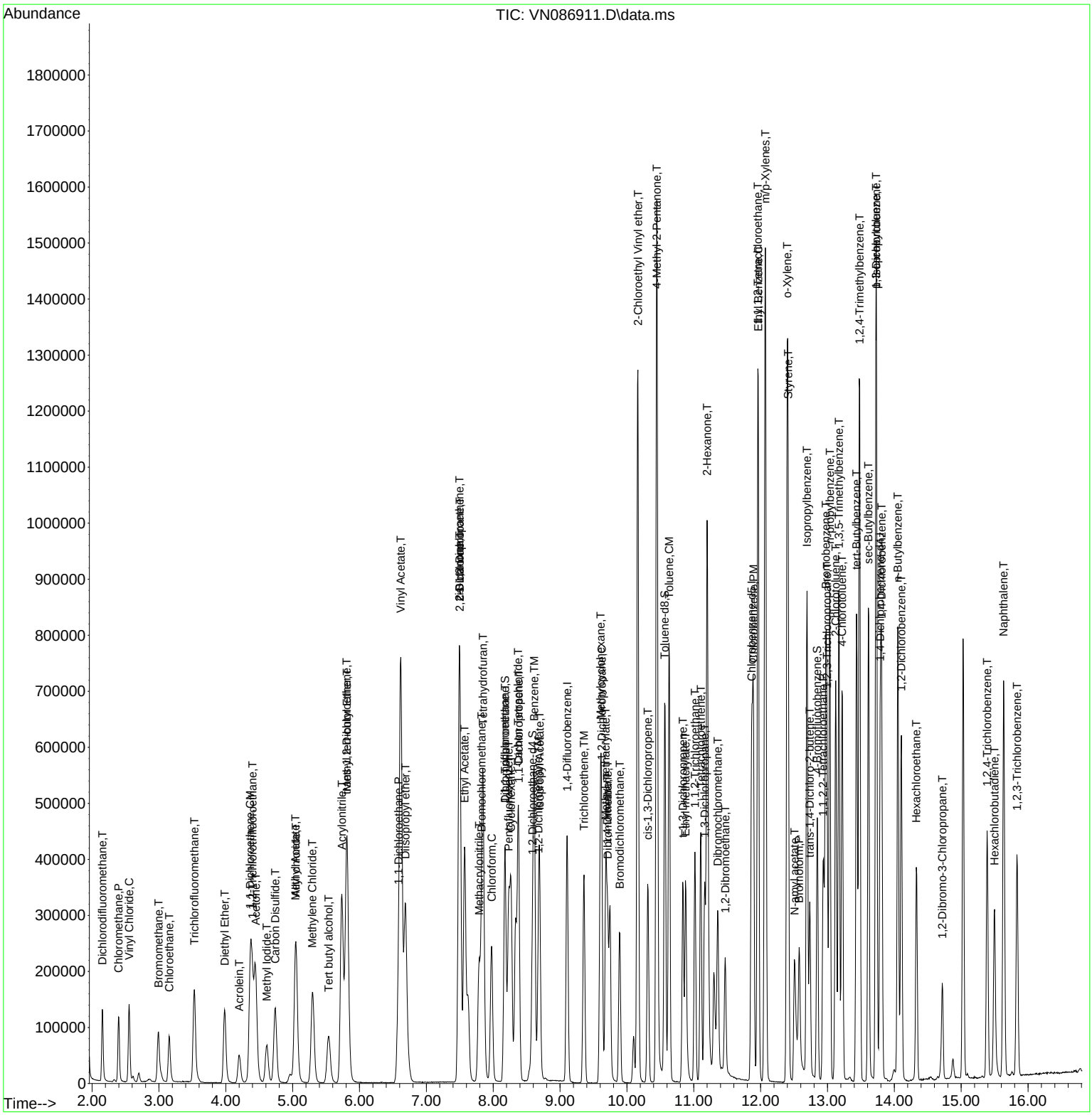
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

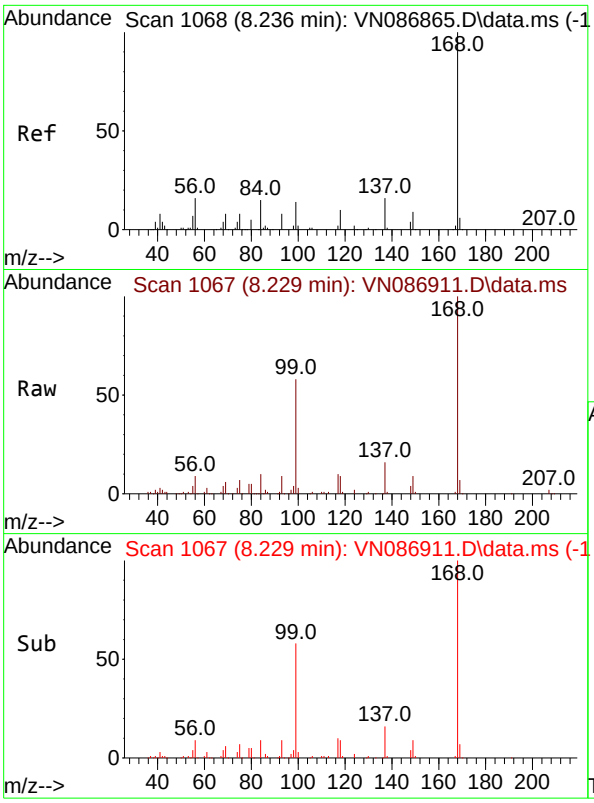
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
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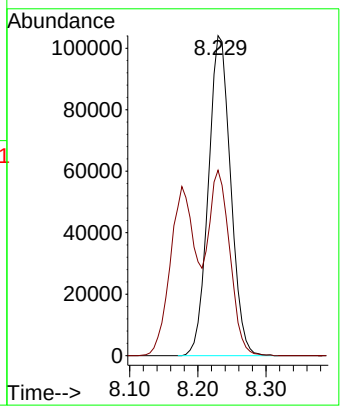




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:168 Resp: 23670

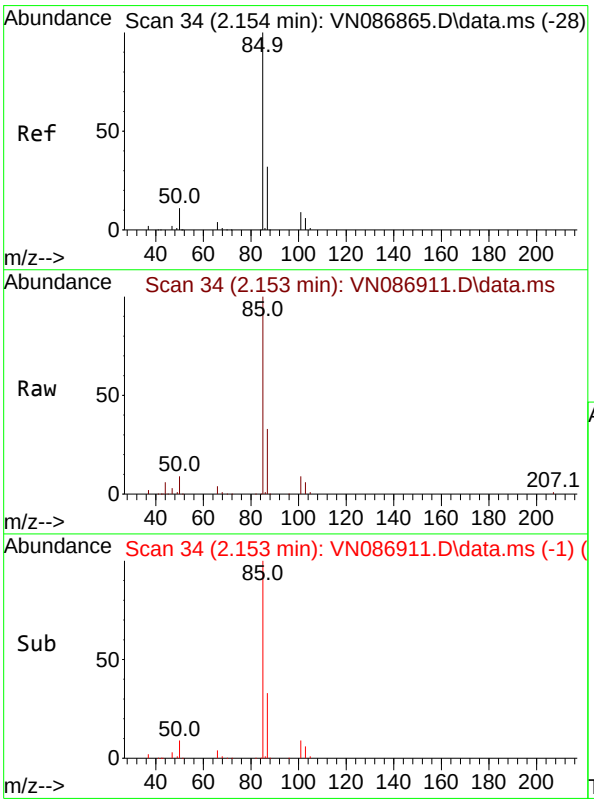
Ion	Ratio	Lower	Upper
168	100		
99	58.0	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

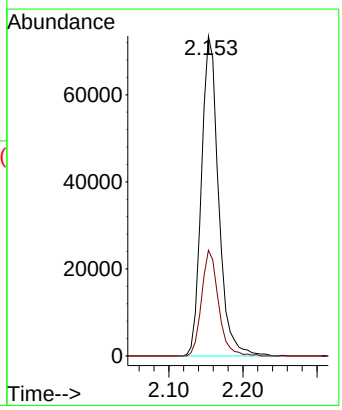
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

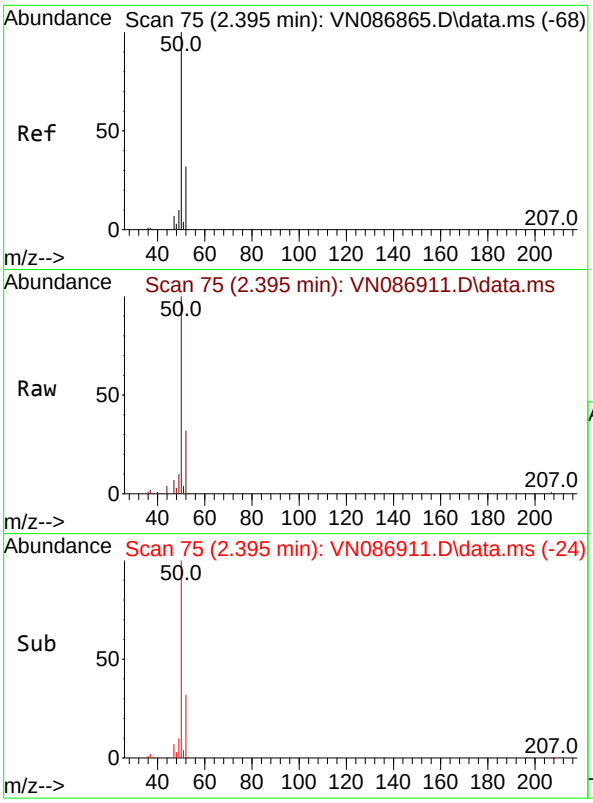


#2
Dichlorodifluoromethane
Concen: 50.059 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 85 Resp: 118146

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6

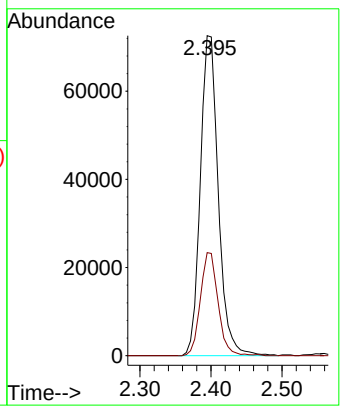




#3
Chloromethane
Concen: 41.991 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 50 Resp: 12797

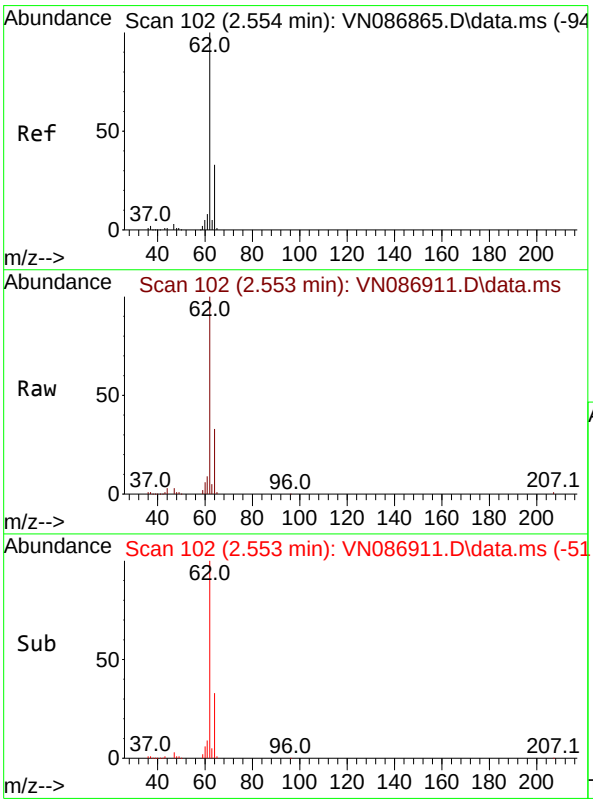
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

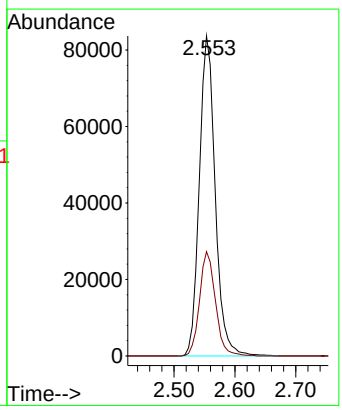
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

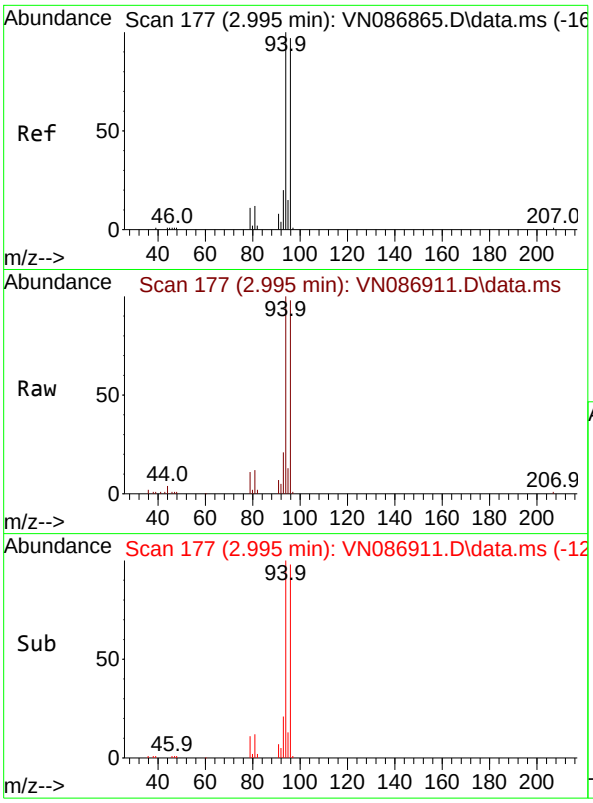


#4
Vinyl Chloride
Concen: 48.209 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 62 Resp: 151561

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0

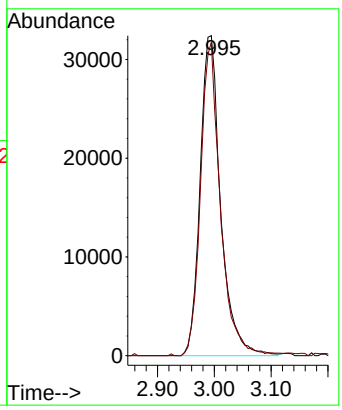




#5
Bromomethane
Concen: 46.171 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 94 Resp: 8122

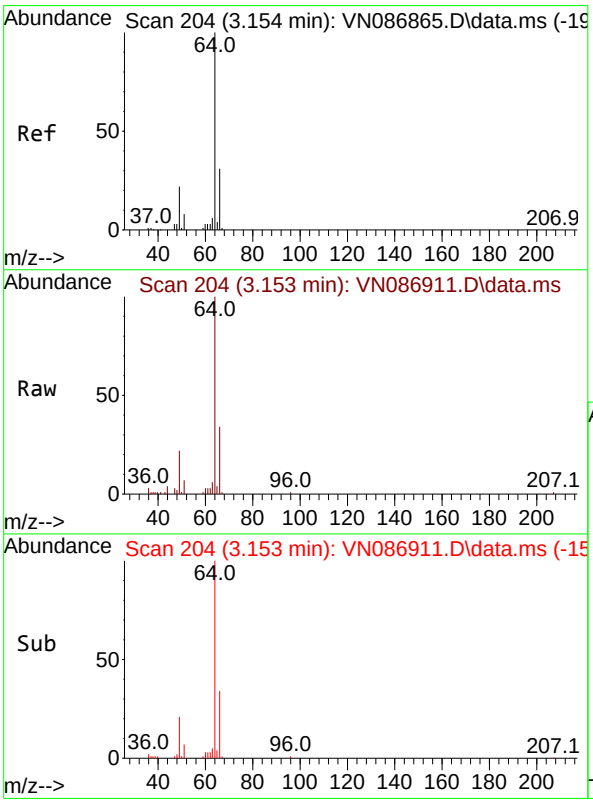
Ion	Ratio	Lower	Upper
94	100		
96	97.9	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

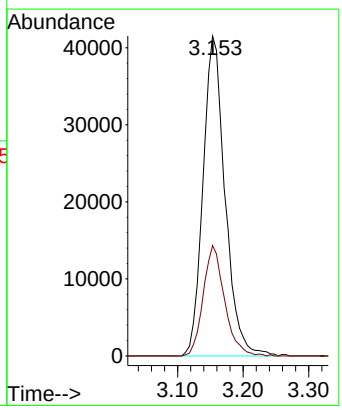
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

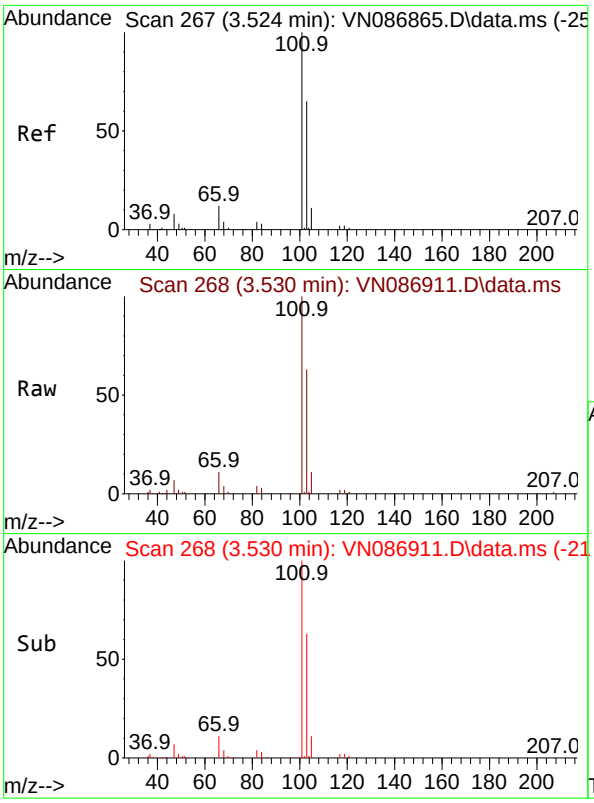


#6
Chloroethane
Concen: 47.736 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 64 Resp: 96939

Ion	Ratio	Lower	Upper
64	100		
66	34.5	24.6	36.8

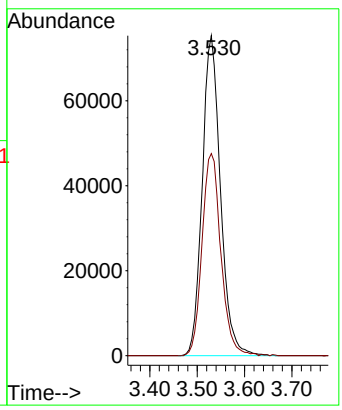




#7
Trichlorofluoromethane
Concen: 49.022 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:101 Resp: 20136

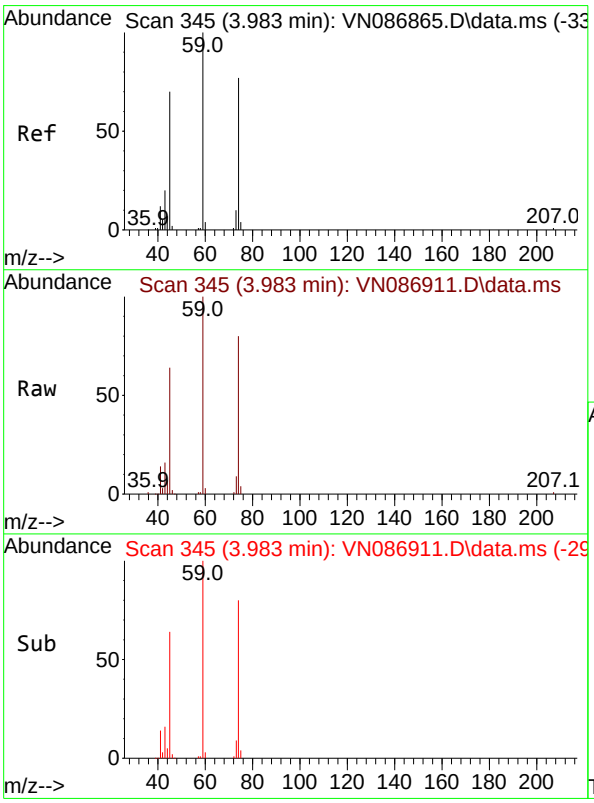
Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

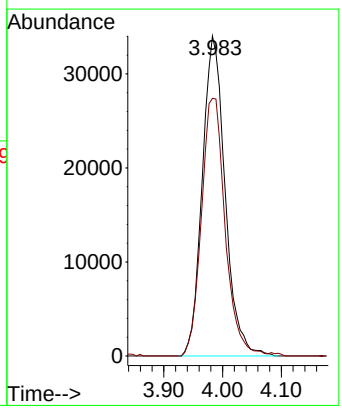
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

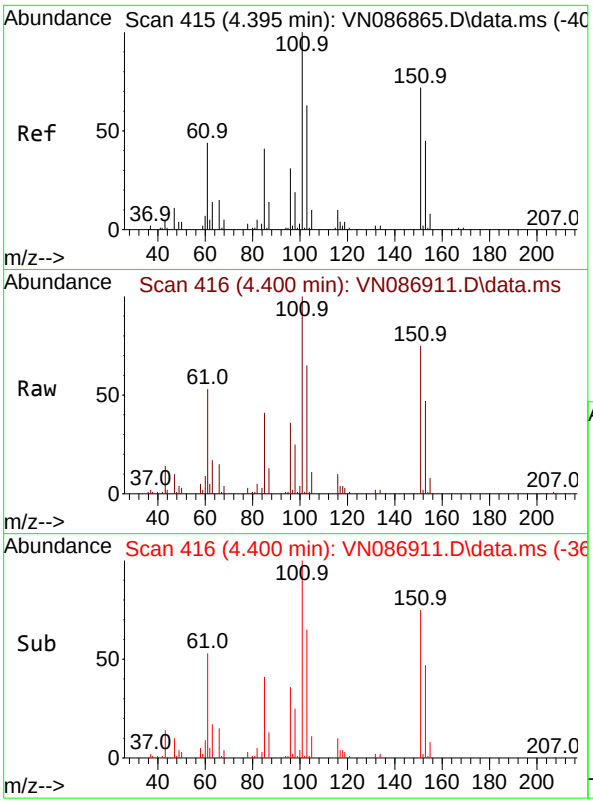


#8
Diethyl Ether
Concen: 51.339 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 74 Resp: 91879

Ion	Ratio	Lower	Upper
74	100		
45	83.6	45.5	136.5

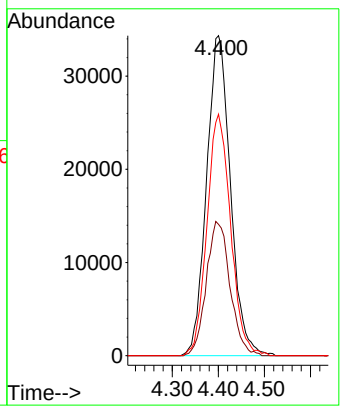




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.882 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:101 Resp: 12356

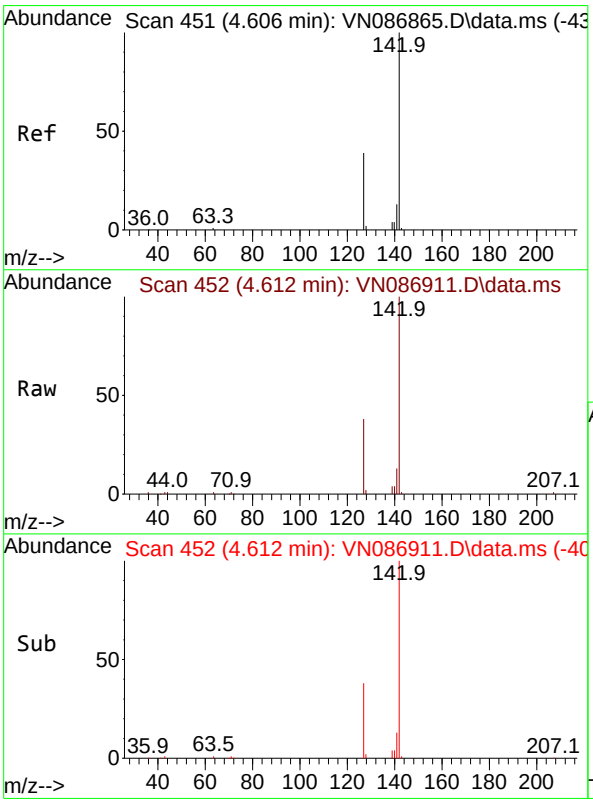
Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.8	50.8
151	74.9	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

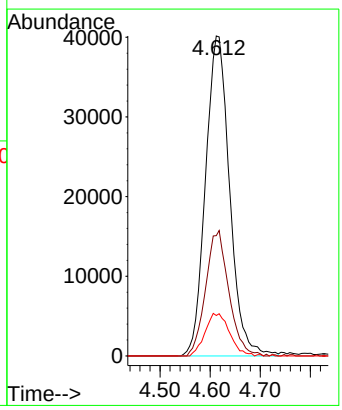
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

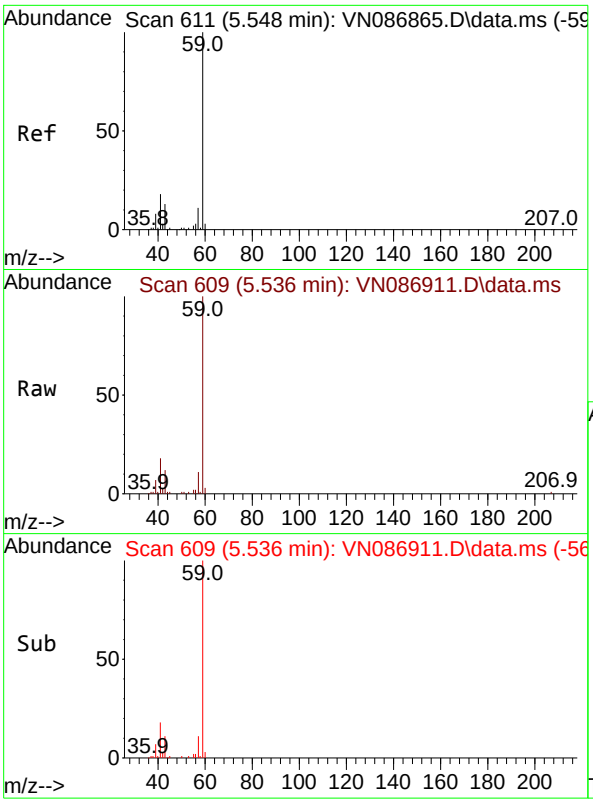


#10
Methyl Iodide
Concen: 40.037 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:142 Resp: 133936

Ion	Ratio	Lower	Upper
142	100		
127	37.6	30.9	46.3
141	12.7	10.4	15.6

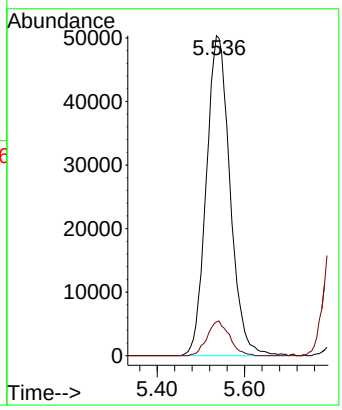




#11
Tert butyl alcohol
Concen: 220.221 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 59 Resp: 18937

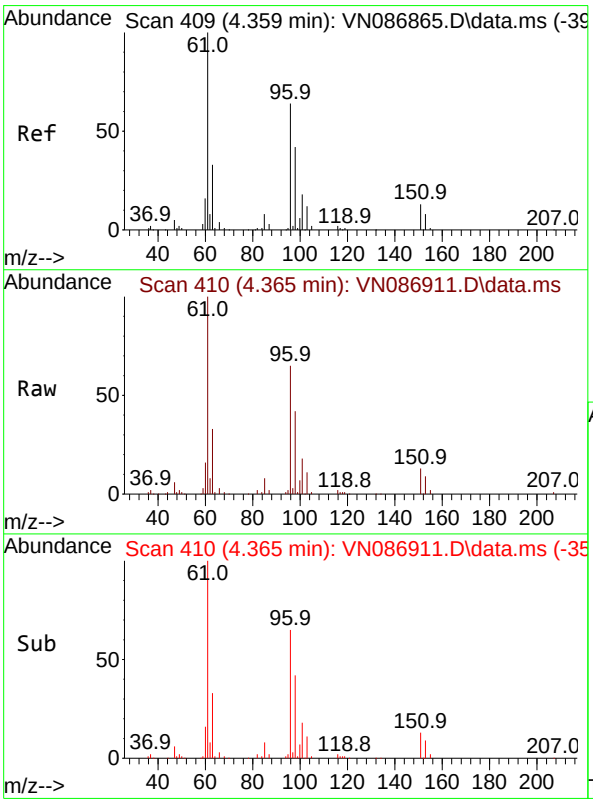
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

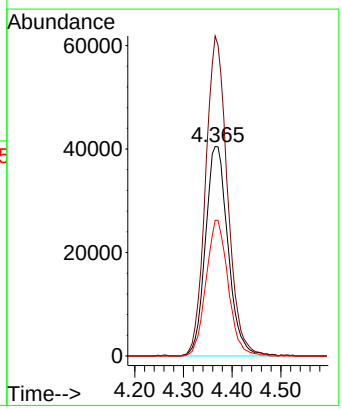
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

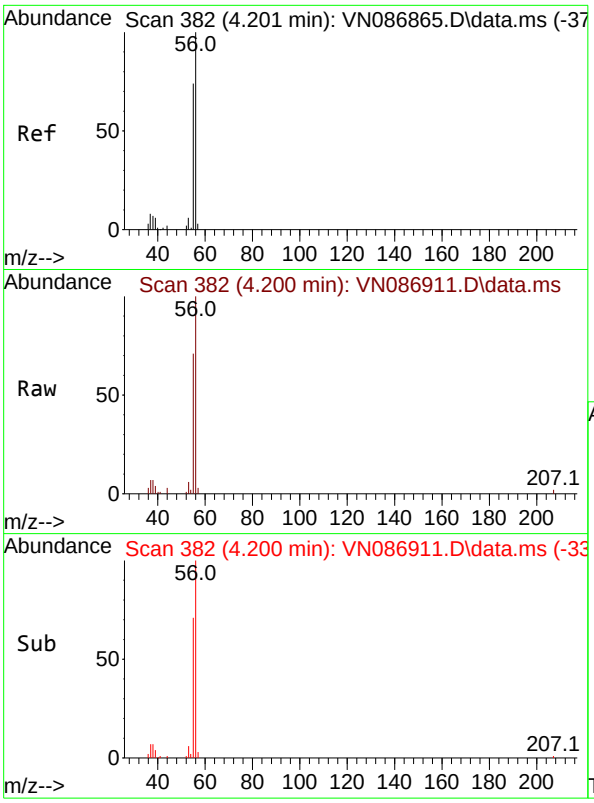


#12
1,1-Dichloroethene
Concen: 49.484 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 96 Resp: 130373

Ion	Ratio	Lower	Upper
96	100		
61	152.7	125.8	188.6
98	64.8	52.5	78.7

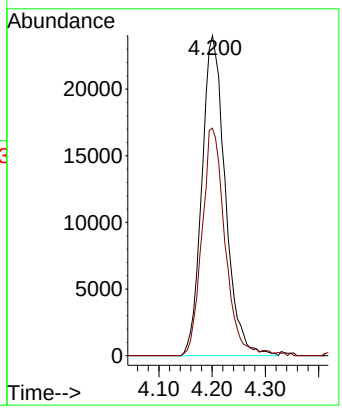




#13
Acrolein
Concen: 268.707 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 56 Resp: 7314

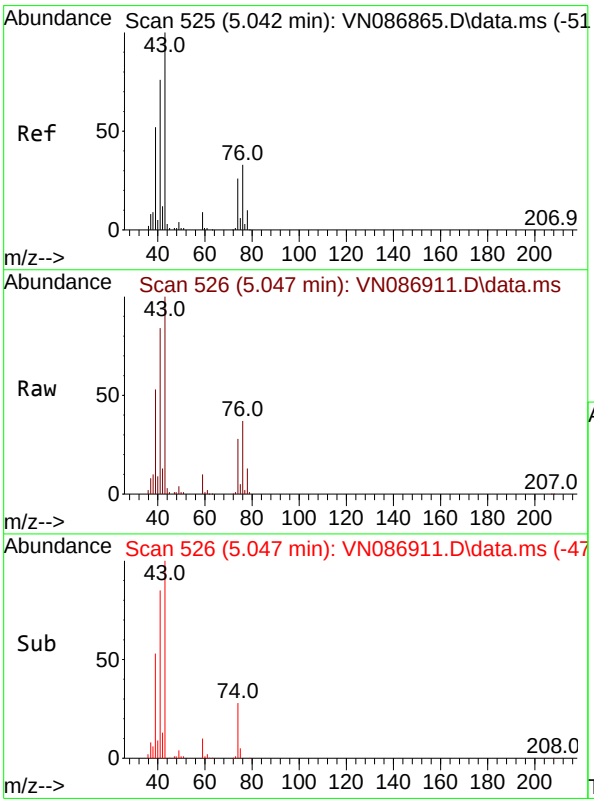
Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

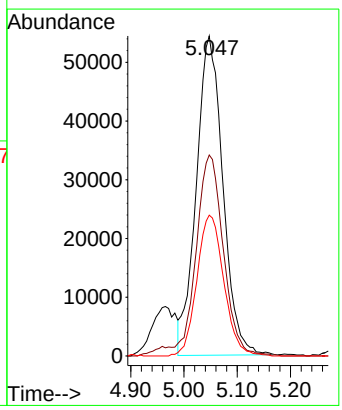
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

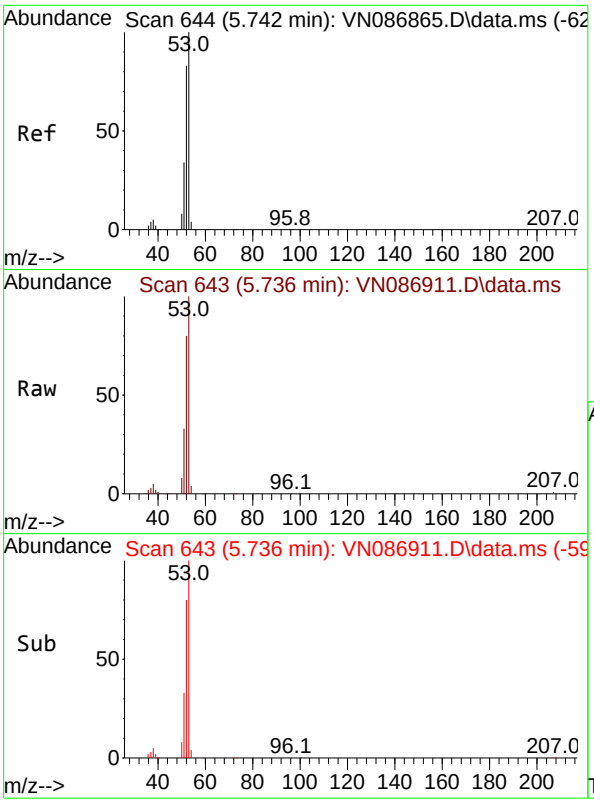


#14
Allyl chloride
Concen: 43.274 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 41 Resp: 189080

Ion	Ratio	Lower	Upper
41	100		
39	63.9	51.3	76.9
76	44.5	31.4	47.0

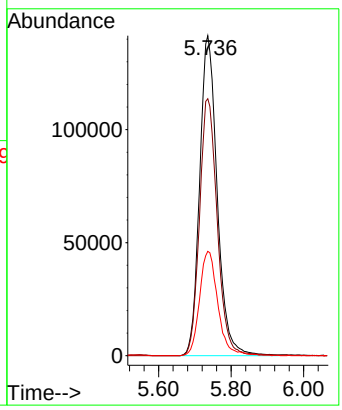




#15
Acrylonitrile
Concen: 236.533 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 53 Resp: 47543

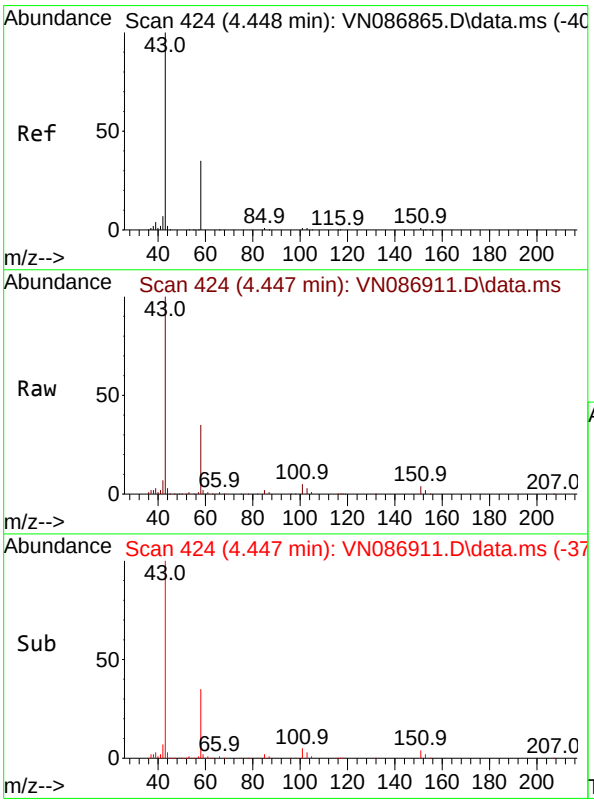
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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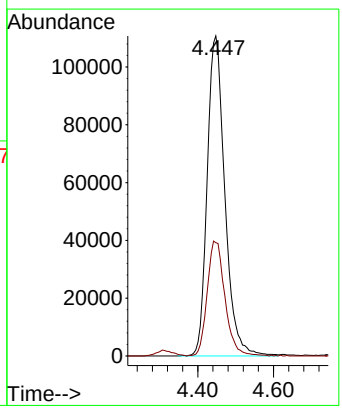
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

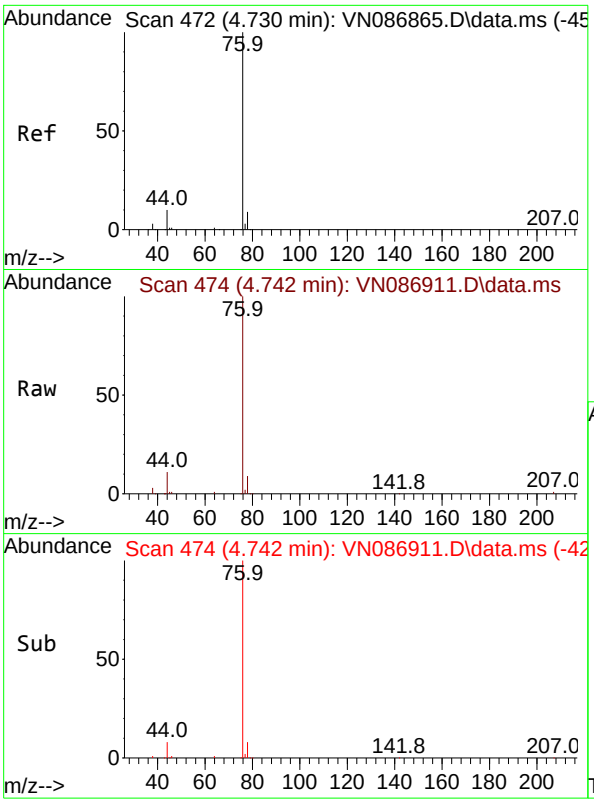


#16
Acetone
Concen: 212.908 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 357830

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0

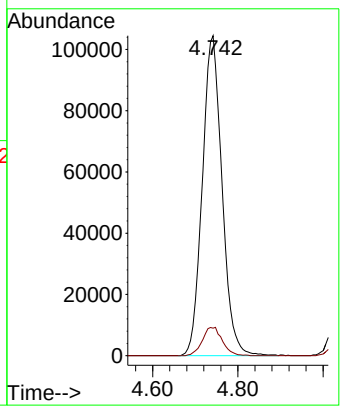




#17
Carbon Disulfide
Concen: 46.119 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 76 Resp: 33609

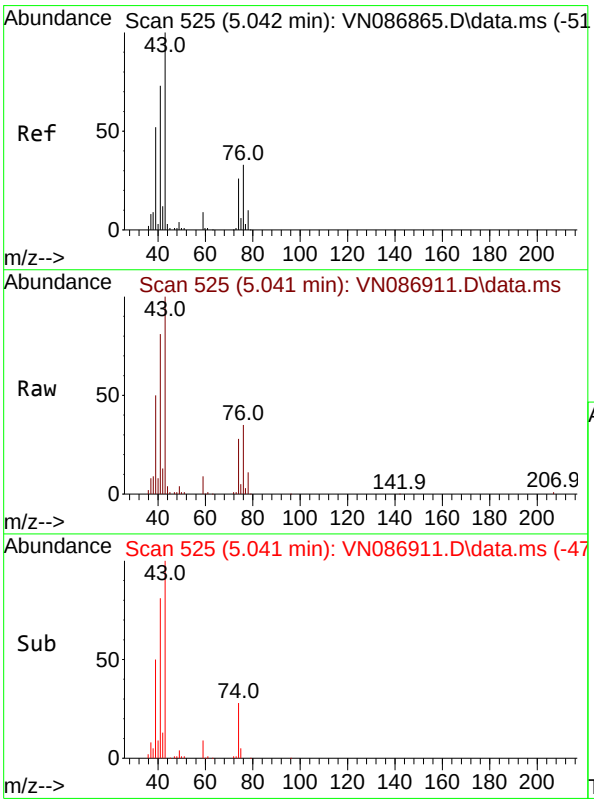
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

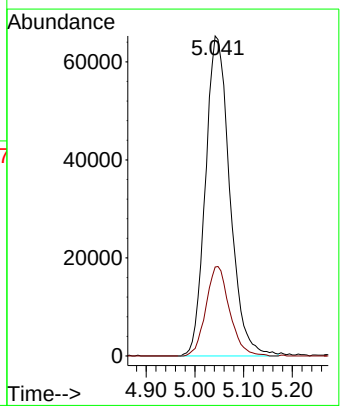
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

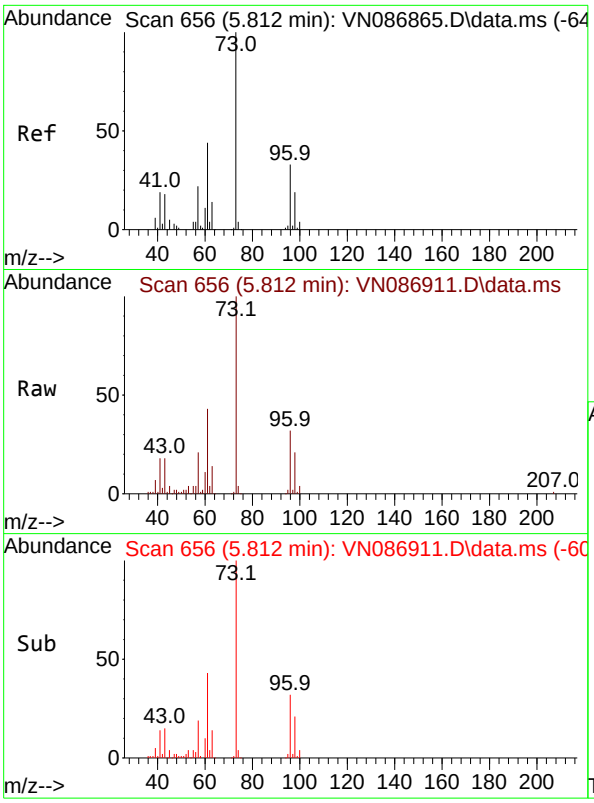


#18
Methyl Acetate
Concen: 46.298 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 226758

Ion	Ratio	Lower	Upper
43	100		
74	27.2	20.7	31.1

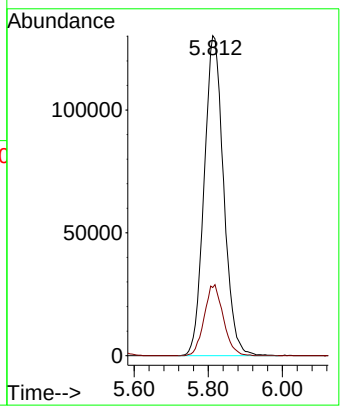




#19
Methyl tert-butyl Ether
Concen: 49.762 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 73 Resp: 474699

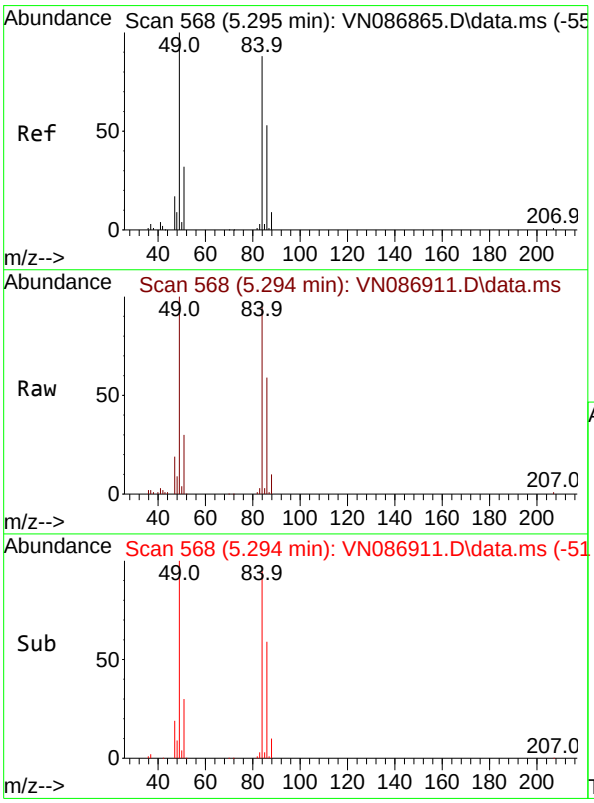
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

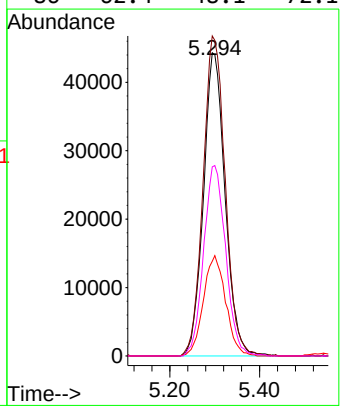
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

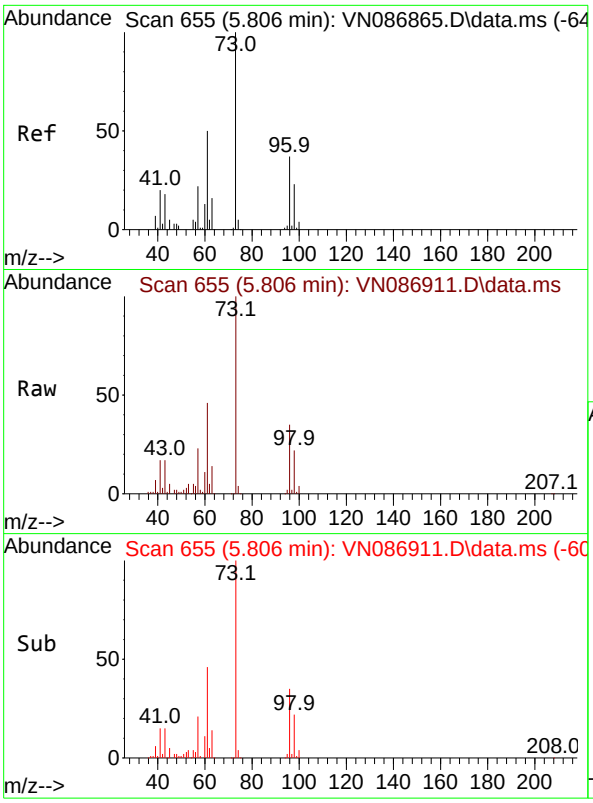


#20
Methylene Chloride
Concen: 47.218 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 84 Resp: 148574

Ion	Ratio	Lower	Upper
84	100		
49	105.5	90.5	135.7
51	31.3	28.5	42.7
86	62.4	48.1	72.1





#21
trans-1,2-Dichloroethene
Concen: 47.524 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

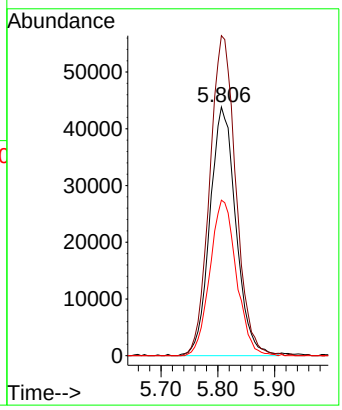
Tgt Ion: 96 Resp: 13930

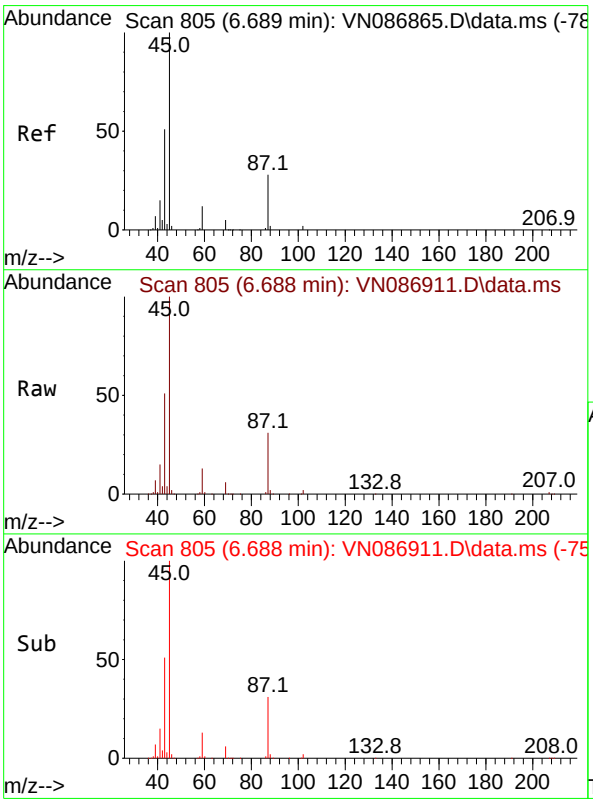
Ion	Ratio	Lower	Upper
96	100		
61	128.7	109.2	163.8
98	62.5	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

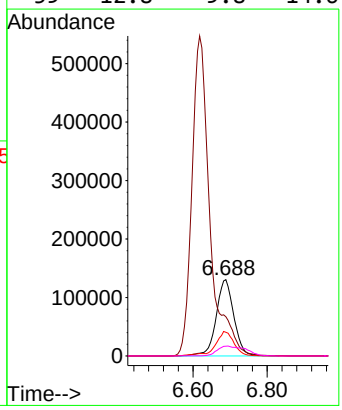


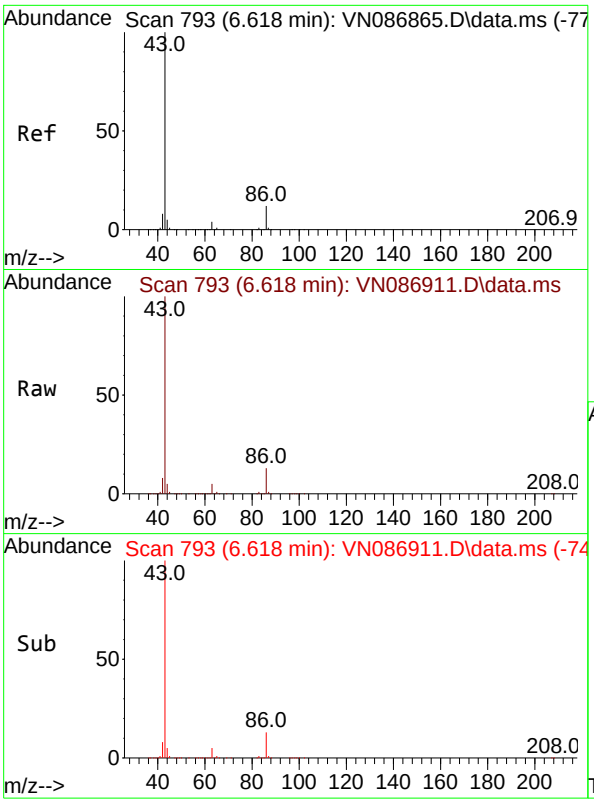


#22
Diisopropyl ether
Concen: 46.864 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 45 Resp: 431629

Ion	Ratio	Lower	Upper
45	100		
43	50.9	41.9	62.9
87	31.0	22.4	33.6
59	12.8	9.8	14.6





#23
Vinyl Acetate
Concen: 236.538 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

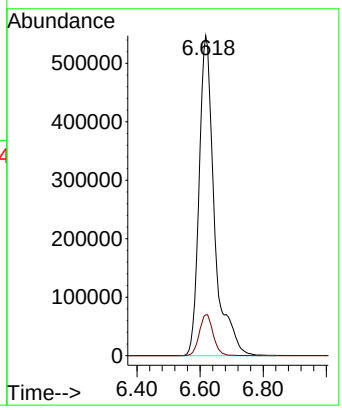
Tgt Ion: 43 Resp: 184066

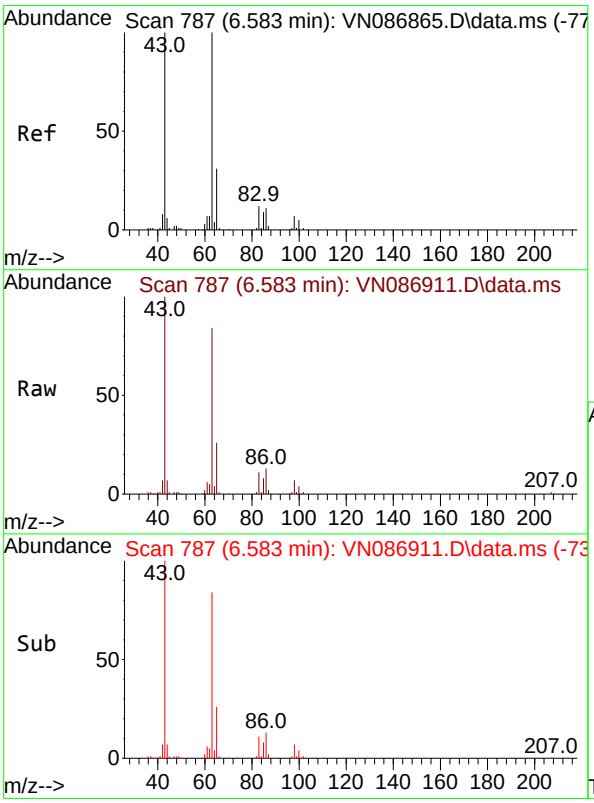
Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

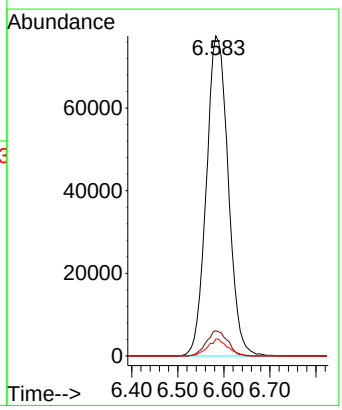


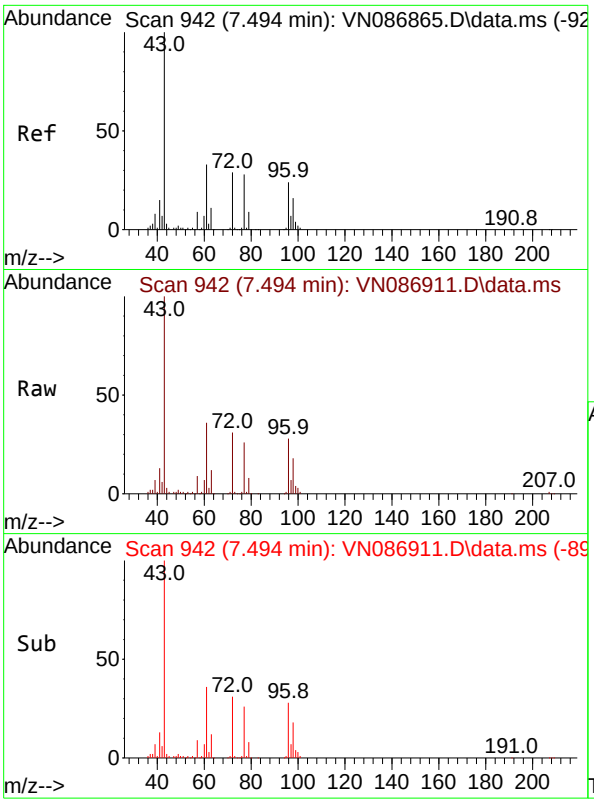


#24
1,1-Dichloroethane
Concen: 48.185 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 63 Resp: 255395

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.3	2.6	7.8





#25
2-Butanone
Concen: 223.226 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

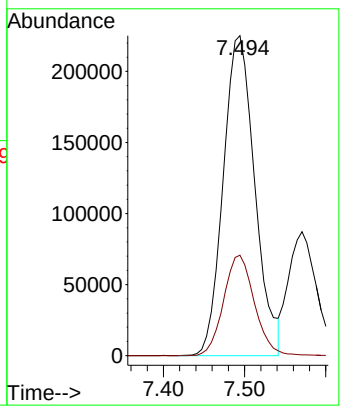
Tgt Ion: 43 Resp: 60983

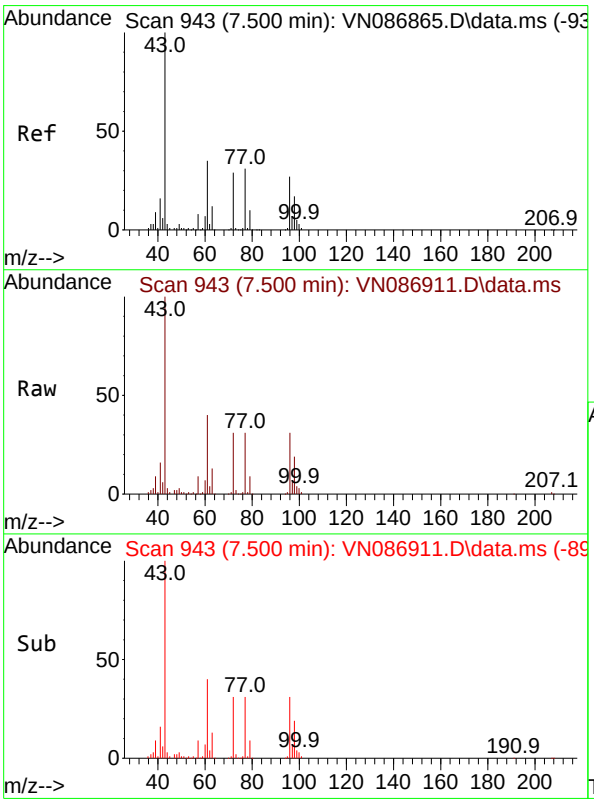
Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

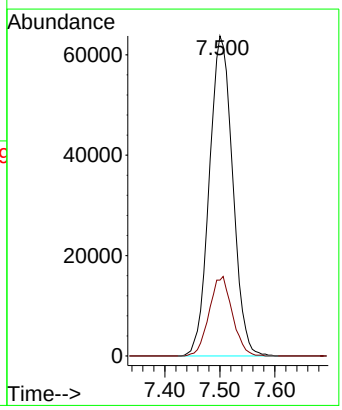


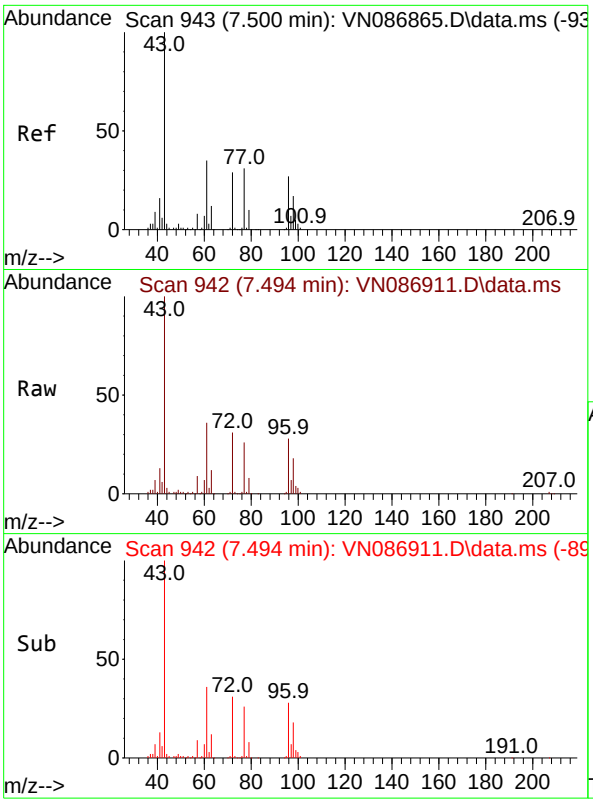


#26
2,2-Dichloropropane
Concen: 45.651 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 77 Resp: 188220

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 49.555 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

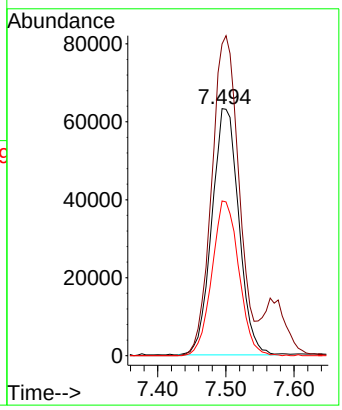
Tgt Ion: 96 Resp: 17372

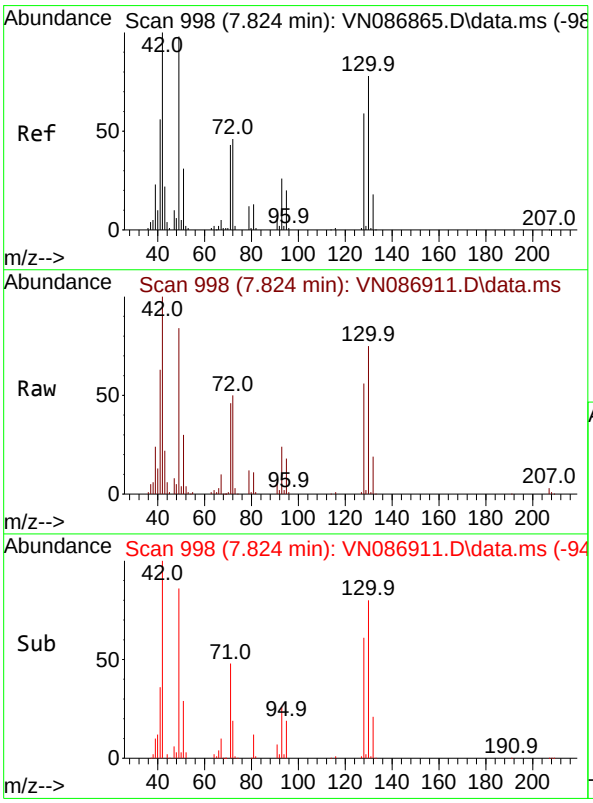
Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	278.0
98	62.9	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

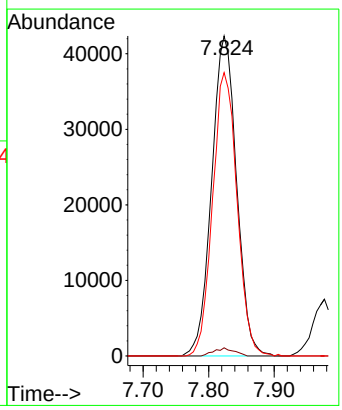


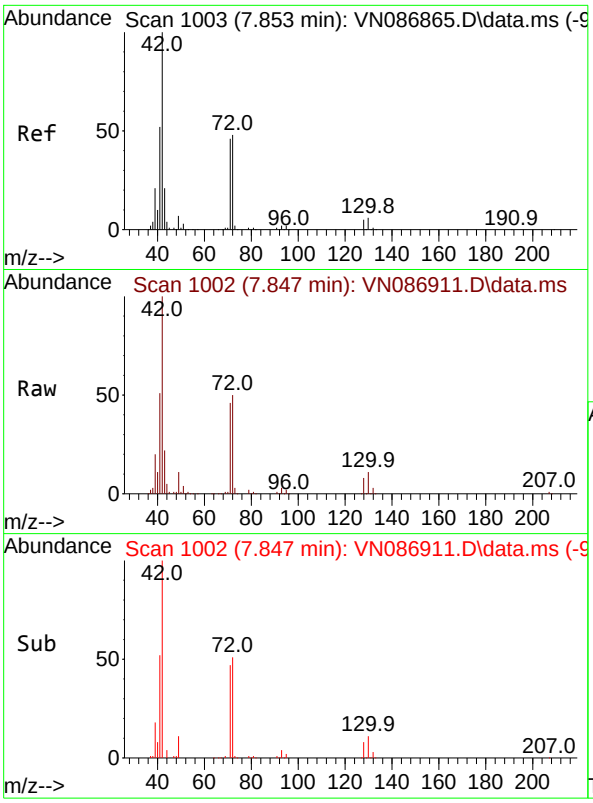


#28
Bromochloromethane
Concen: 42.885 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 49 Resp: 111761

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	86.7	62.2	93.2





#29
Tetrahydrofuran
Concen: 223.263 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

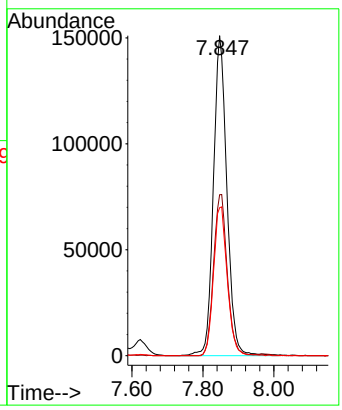
Tgt Ion: 42 Resp: 39732

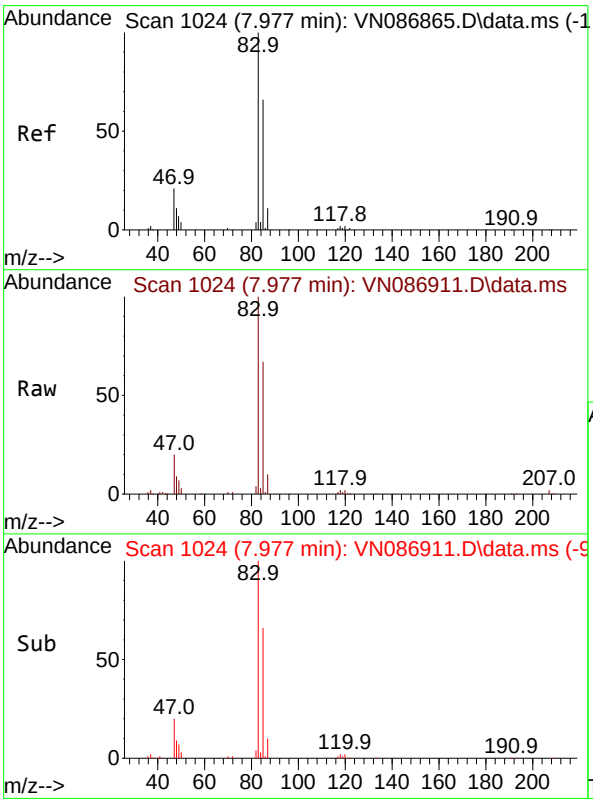
Ion	Ratio	Lower	Upper
42	100		
72	51.1	37.8	56.6
71	47.3	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

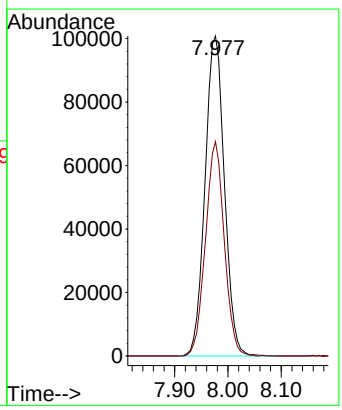


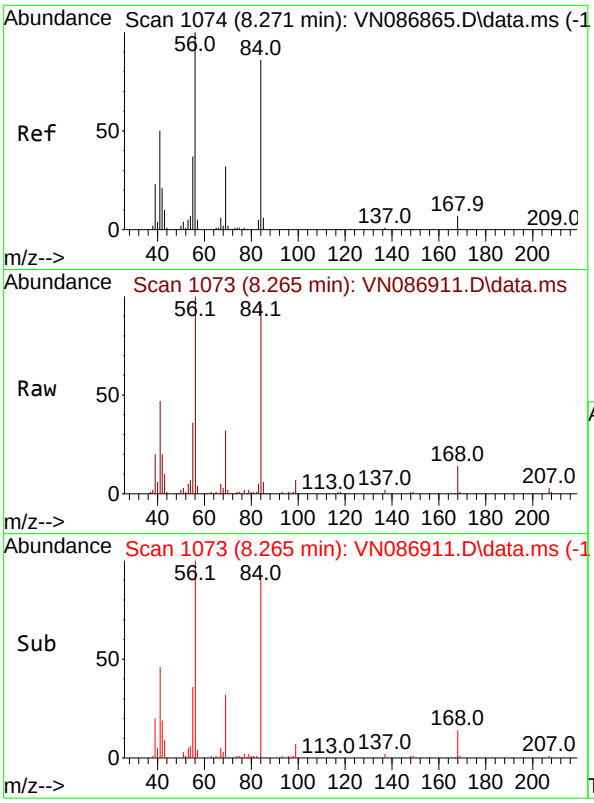


#30
Chloroform
Concen: 48.104 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 83 Resp: 254626

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.9	79.3

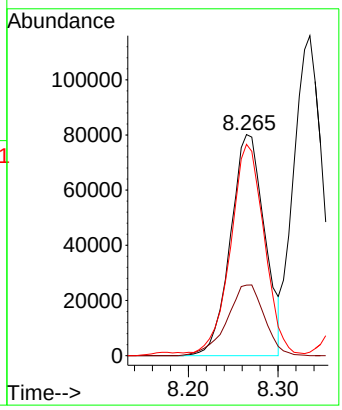




#31
Cyclohexane
Concen: 41.219 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 56 Resp: 21187

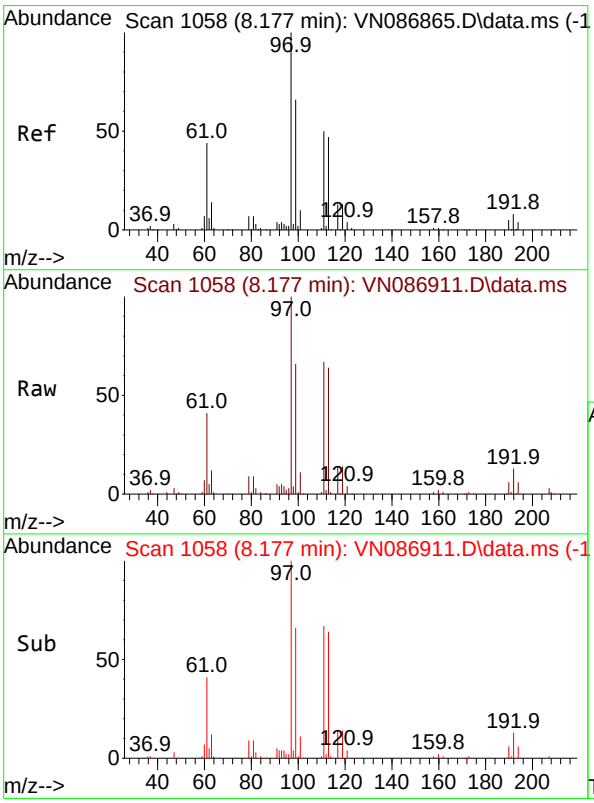
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.0
84	94.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

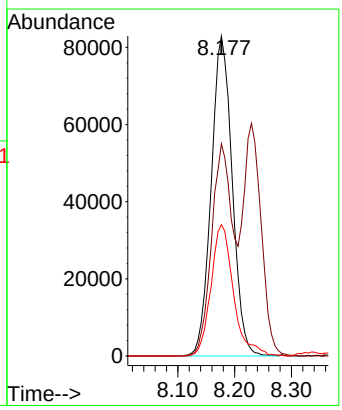
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

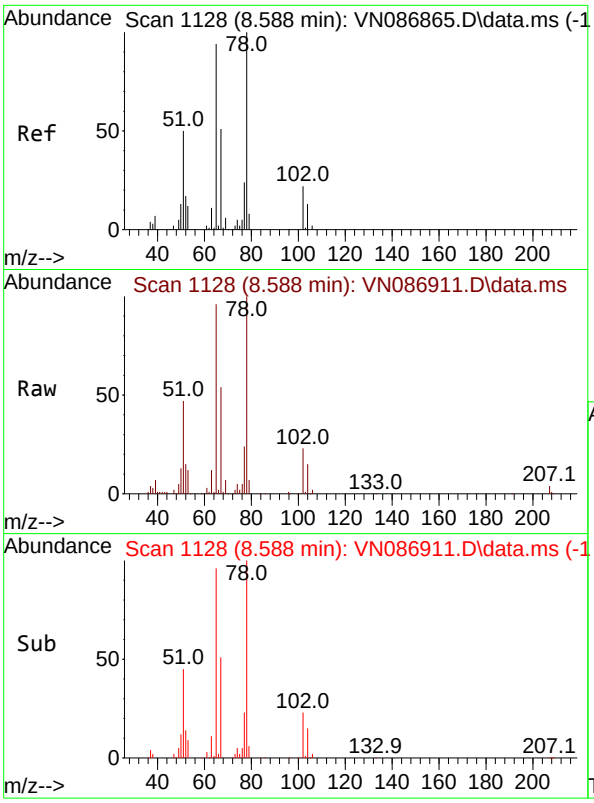


#32
1,1,1-Trichloroethane
Concen: 47.273 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 97 Resp: 212823

Ion	Ratio	Lower	Upper
97	100		
99	67.1	52.0	78.0
61	44.0	35.9	53.9

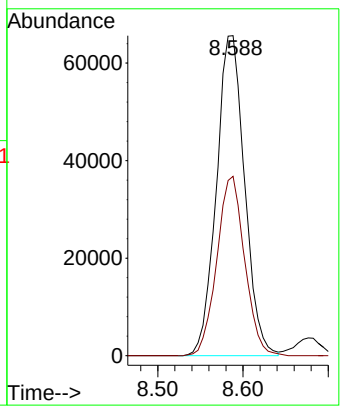




#33
1,2-Dichloroethane-d4
Concen: 47.675 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 65 Resp: 15109

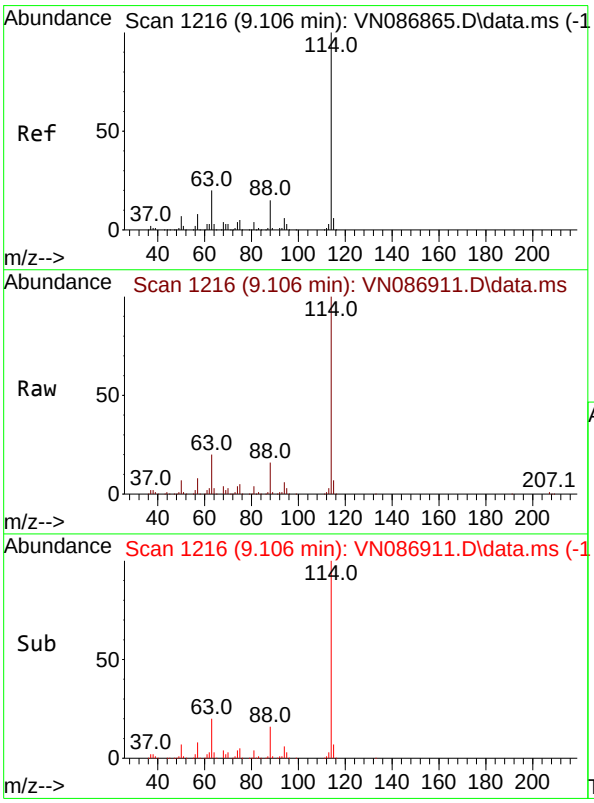
Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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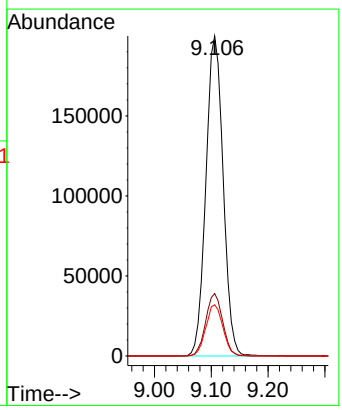
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

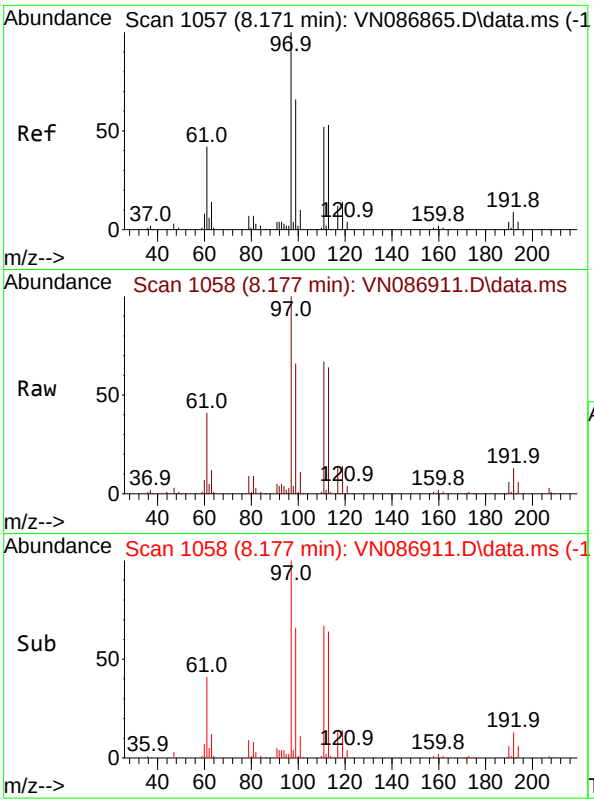


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:114 Resp: 420058

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	16.0	0.0	30.2

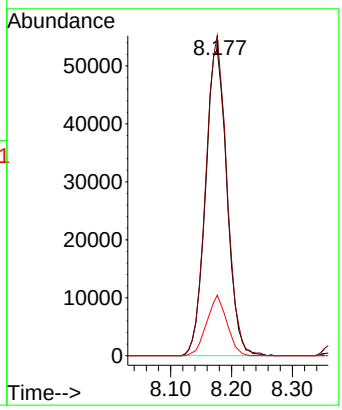




#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:113 Resp: 12968

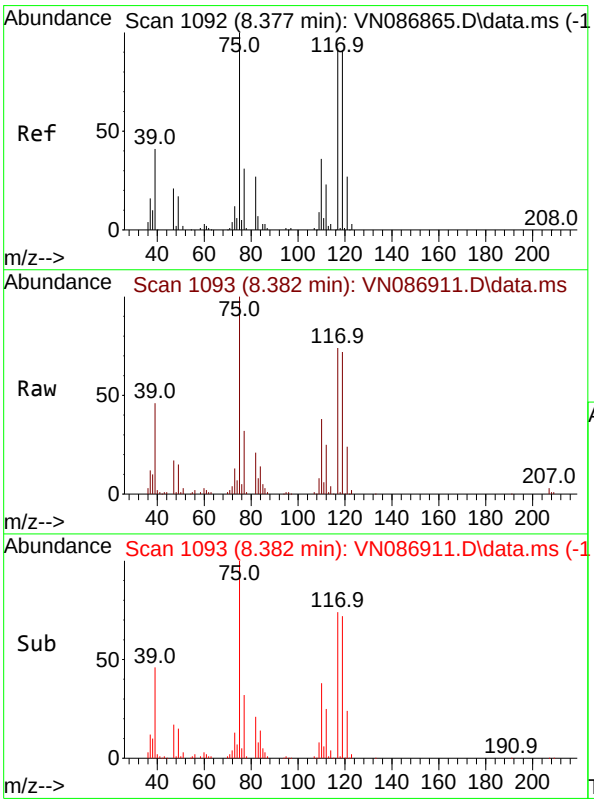
Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.2	126.2
192	18.5	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

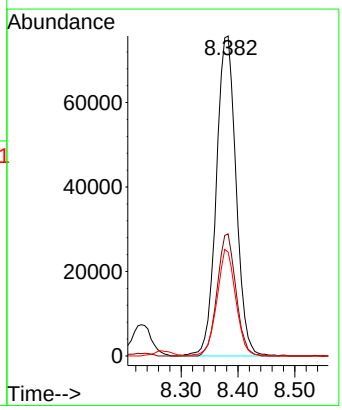
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

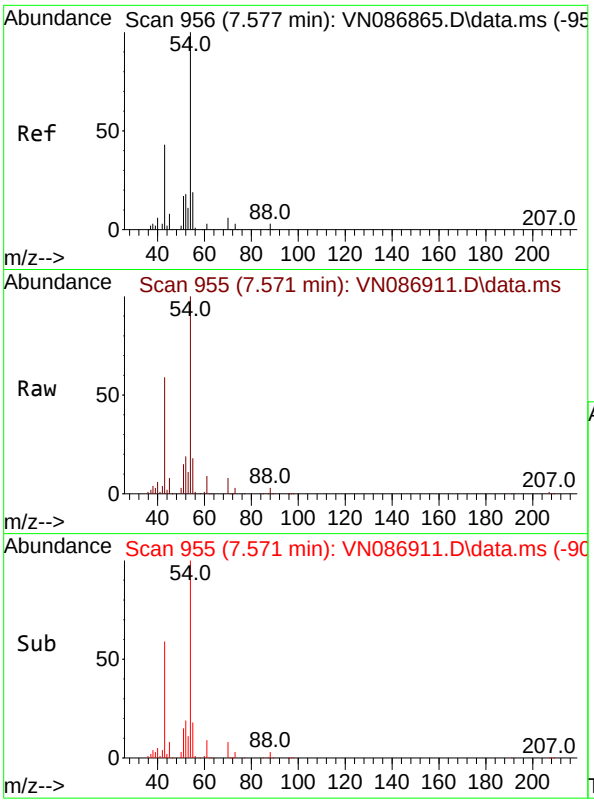


#36
1,1-Dichloropropene
Concen: 49.276 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 182786

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	31.9	25.3	37.9

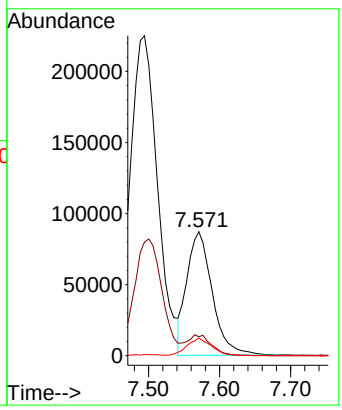




#37
Ethyl Acetate
Concen: 45.818 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 21635

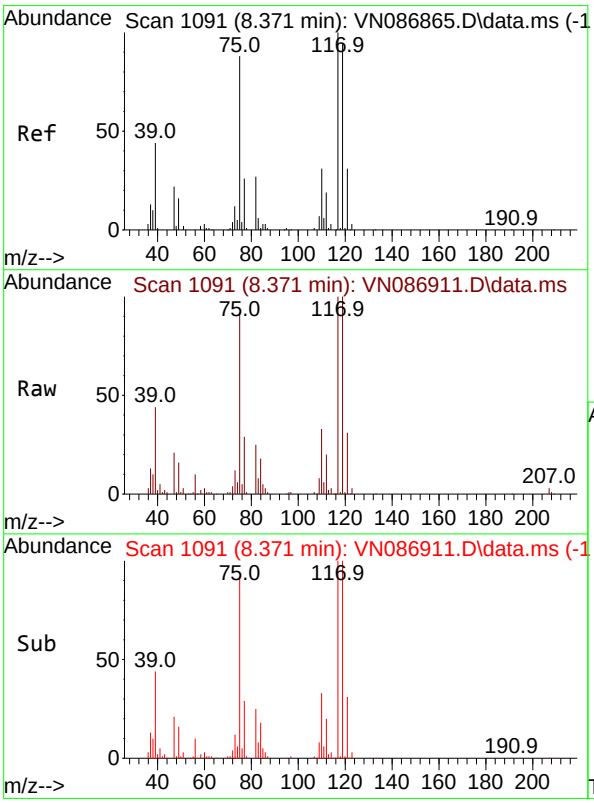
Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.1	18.1
70	13.8	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

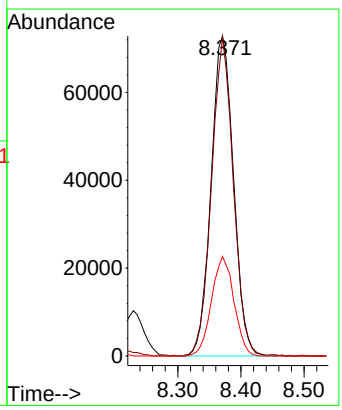
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

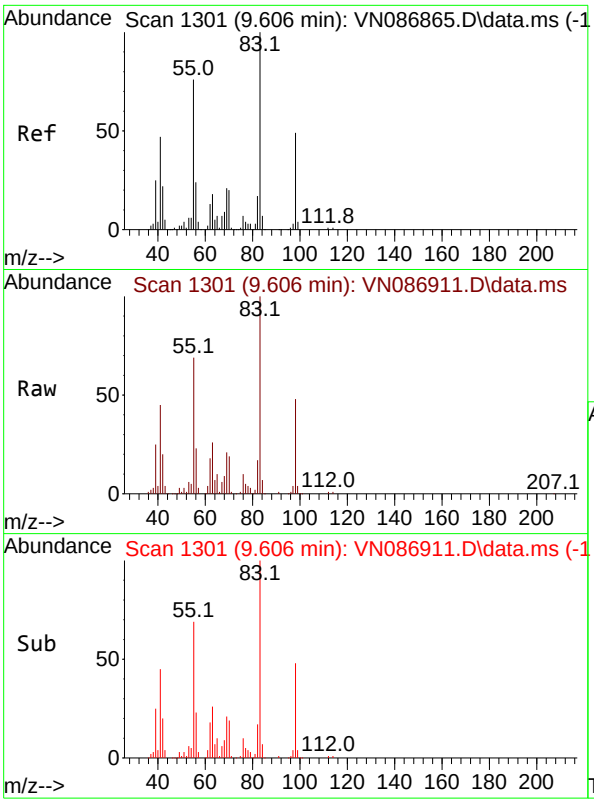


#38
Carbon Tetrachloride
Concen: 49.468 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:117 Resp: 180152

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.0	112.6
121	31.1	24.9	37.3





#39
Methylcyclohexane
Concen: 42.563 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

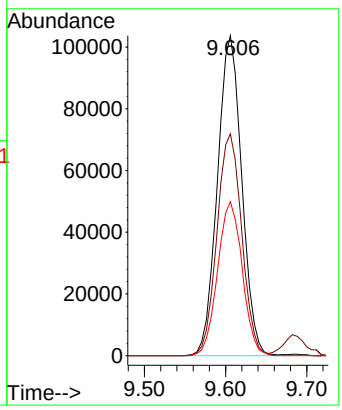
Tgt Ion: 83 Resp: 21630

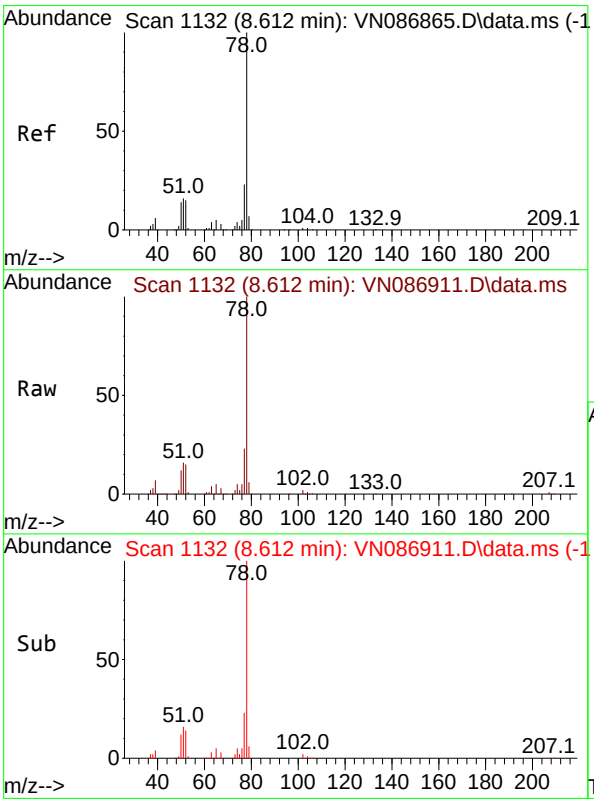
Ion	Ratio	Lower	Upper
83	100		
55	69.3	61.0	91.6
98	48.1	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

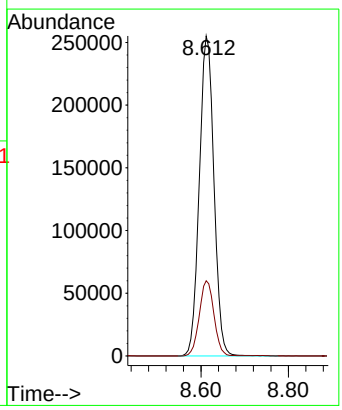


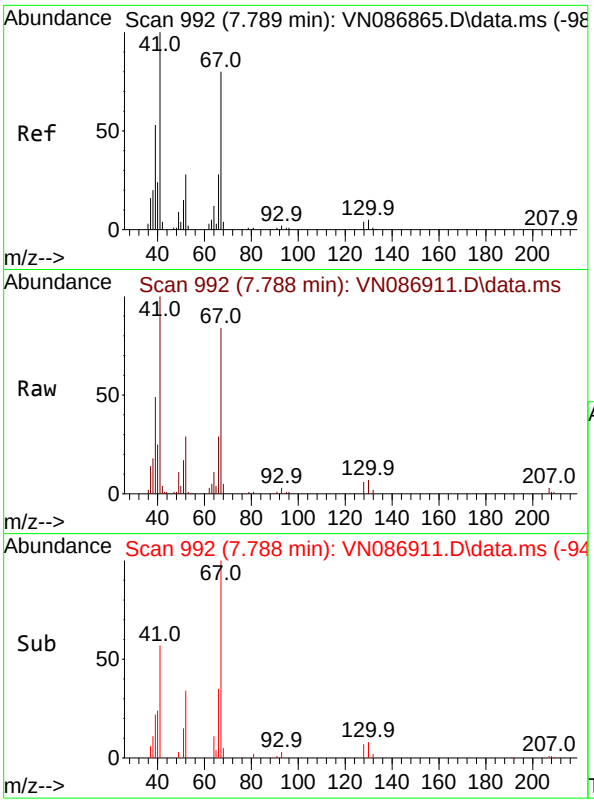


#40
Benzene
Concen: 48.968 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 78 Resp: 593973

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1

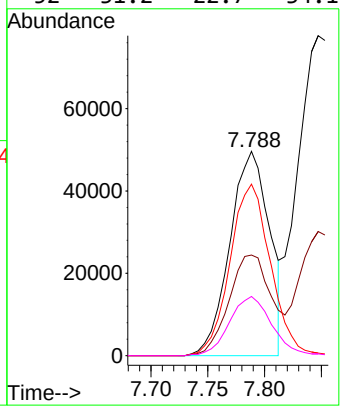




#41
Methacrylonitrile
Concen: 45.470 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 41 Resp: 12058

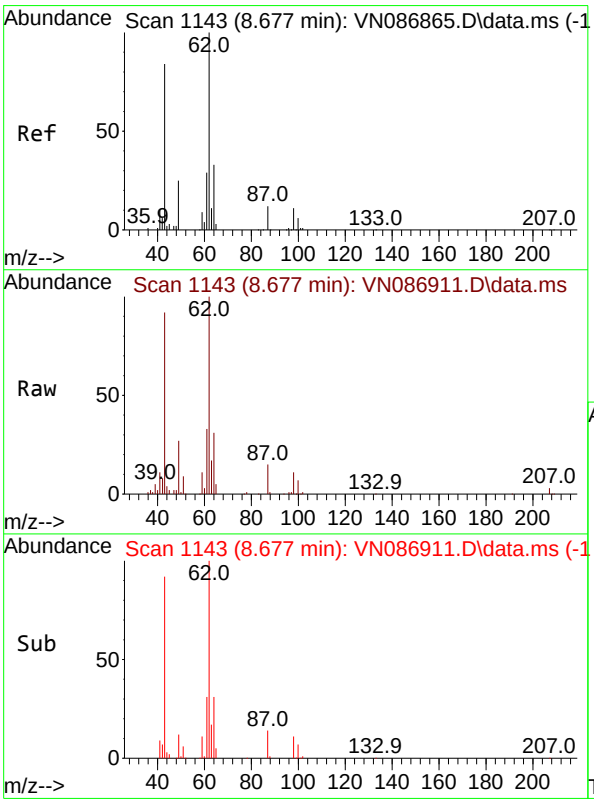
Ion	Ratio	Lower	Upper
41	100		
39	53.6	41.2	61.8
67	86.0	61.4	92.2
52	31.2	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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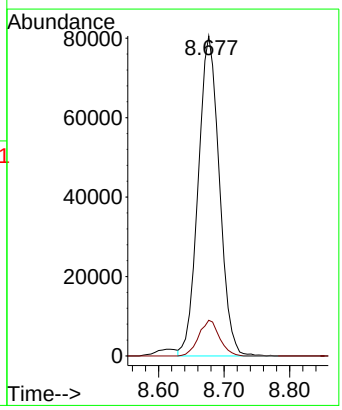
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

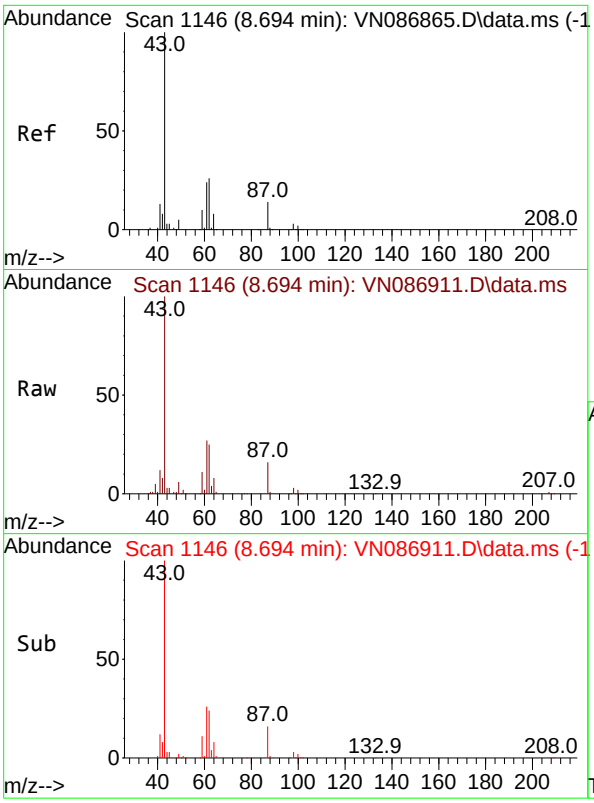


#42
1,2-Dichloroethane
Concen: 49.191 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 62 Resp: 180979

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2

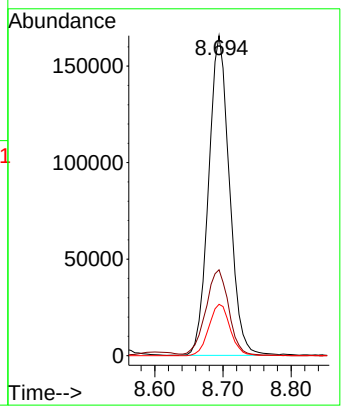




#43
Isopropyl Acetate
Concen: 46.408 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 35172

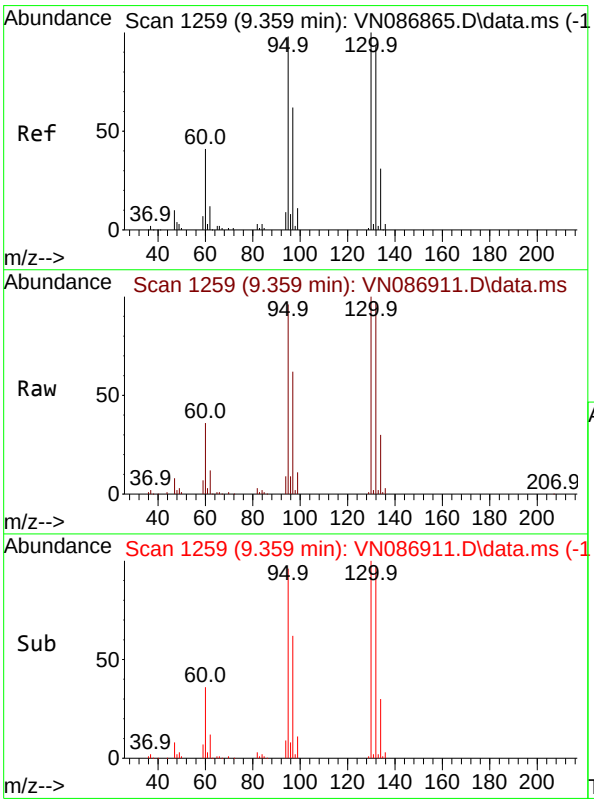
Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.1	33.1
87	16.5	11.8	17.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

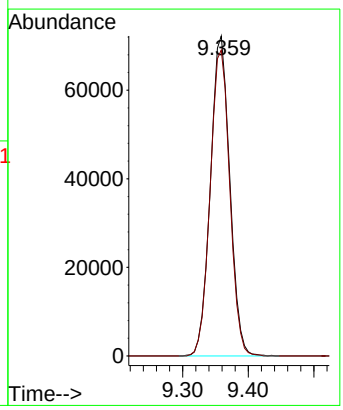
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

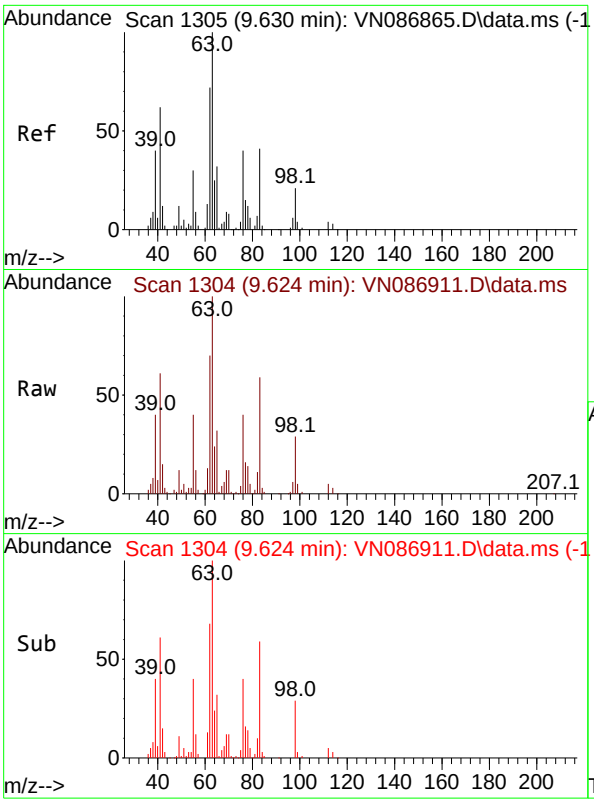


#44
Trichloroethene
Concen: 51.528 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:130 Resp: 148206

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	196.2





#45
1,2-Dichloropropane
Concen: 48.774 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

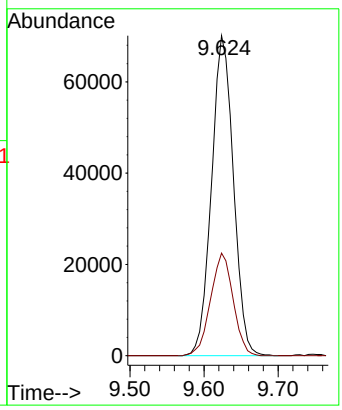
Tgt Ion: 63 Resp: 14393

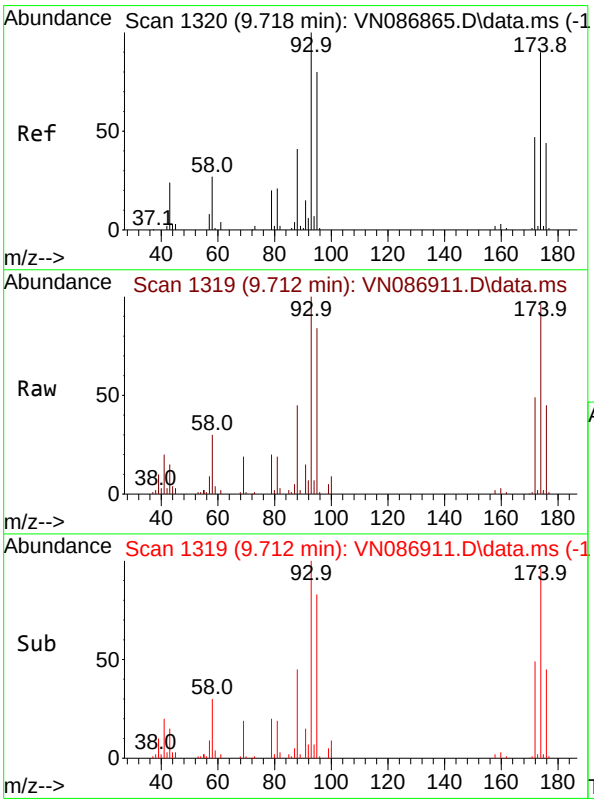
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

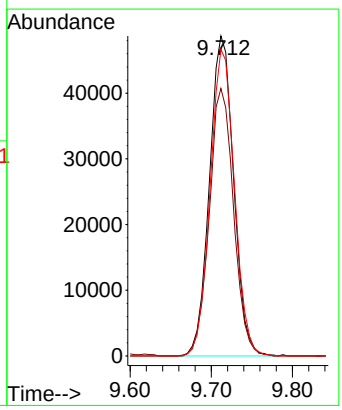


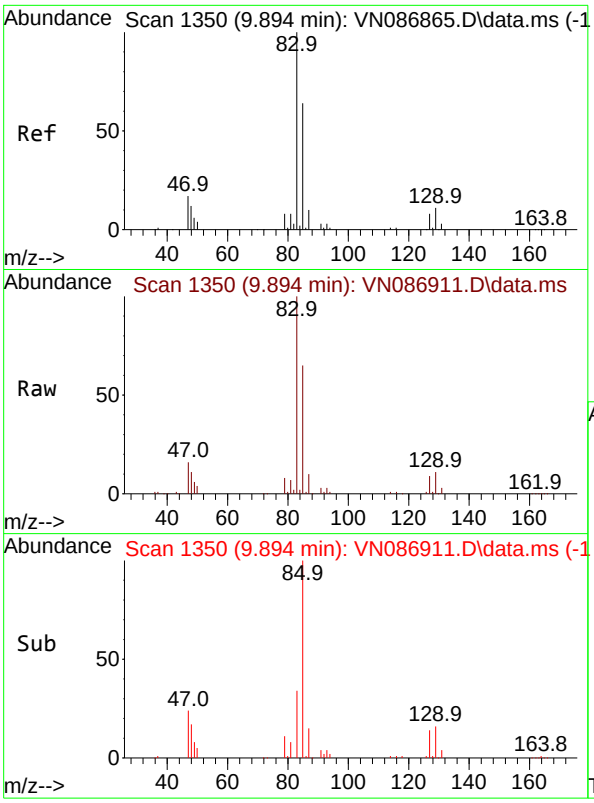


#46
Dibromomethane
Concen: 51.401 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 93 Resp: 100752

Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.1	100.7
174	96.3	74.2	111.4

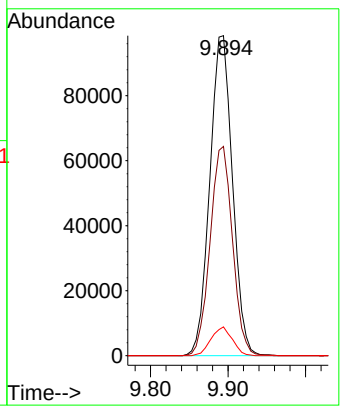




#47
Bromodichloromethane
Concen: 49.584 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 83 Resp: 19996

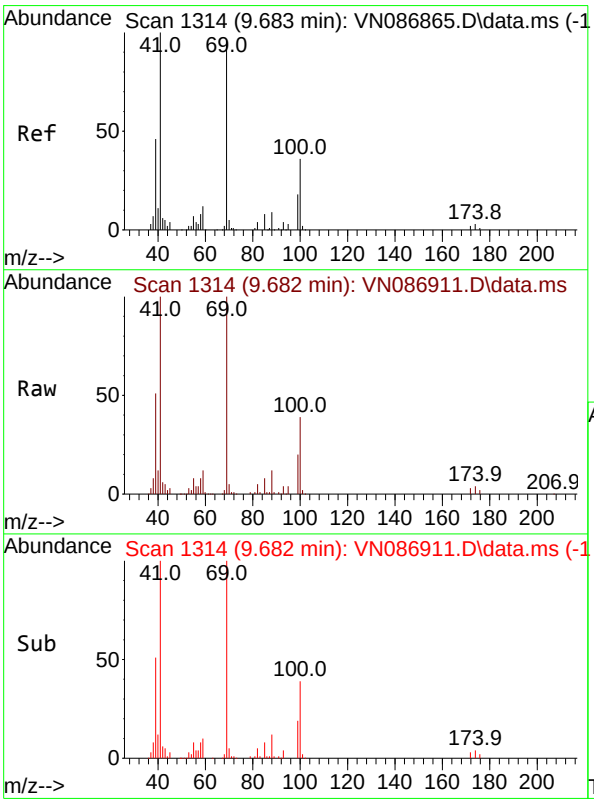
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	9.0	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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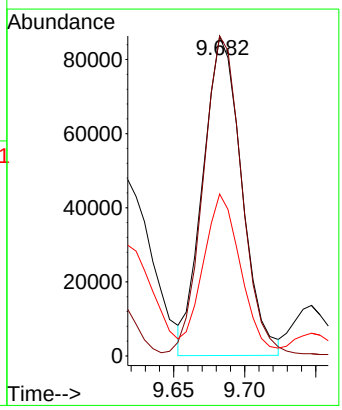
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

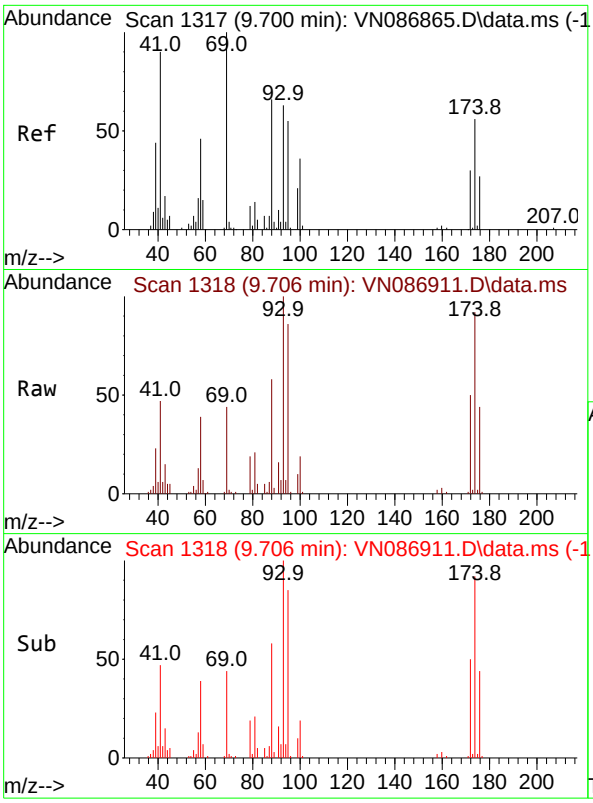


#48
Methyl methacrylate
Concen: 46.955 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 41 Resp: 163795

Ion	Ratio	Lower	Upper
41	100		
69	100.2	74.6	112.0
39	50.0	40.2	60.4





#49
1,4-Dioxane
Concen: 987.483 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

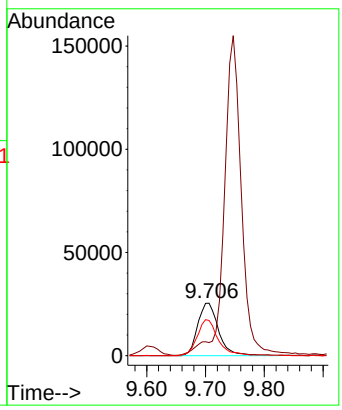
Tgt Ion: 88 Resp: 6266

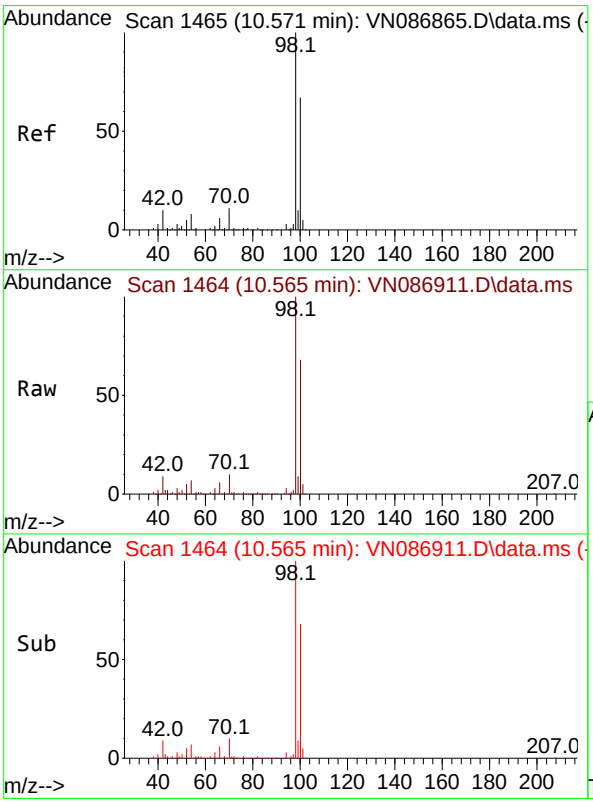
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.0	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

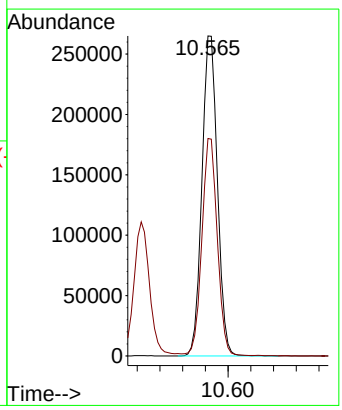


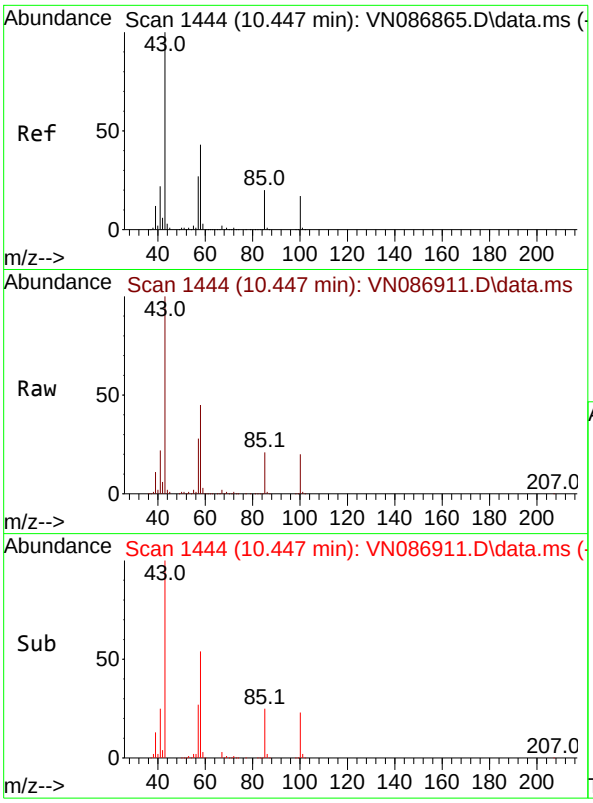


#50
Toluene-d8
Concen: 50.734 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 98 Resp: 499965

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.0

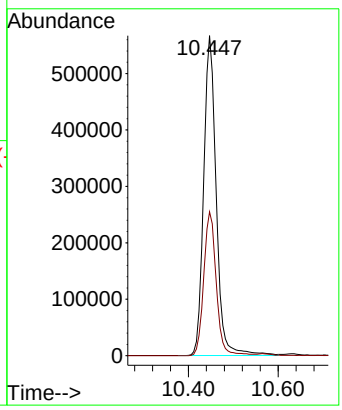




#51
4-Methyl-2-Pentanone
Concen: 241.688 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 110272

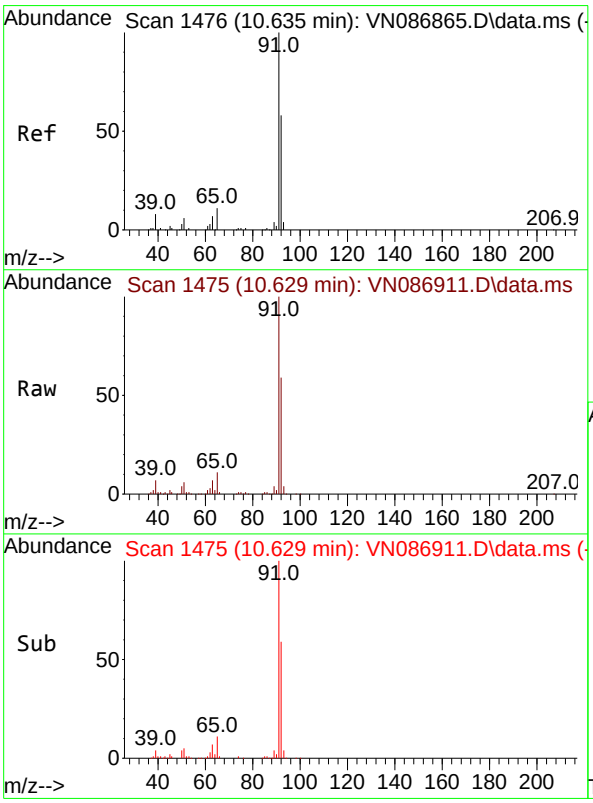
Ion	Ratio	Lower	Upper
43	100		
58	44.7	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

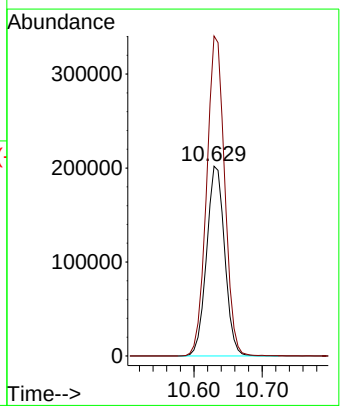
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

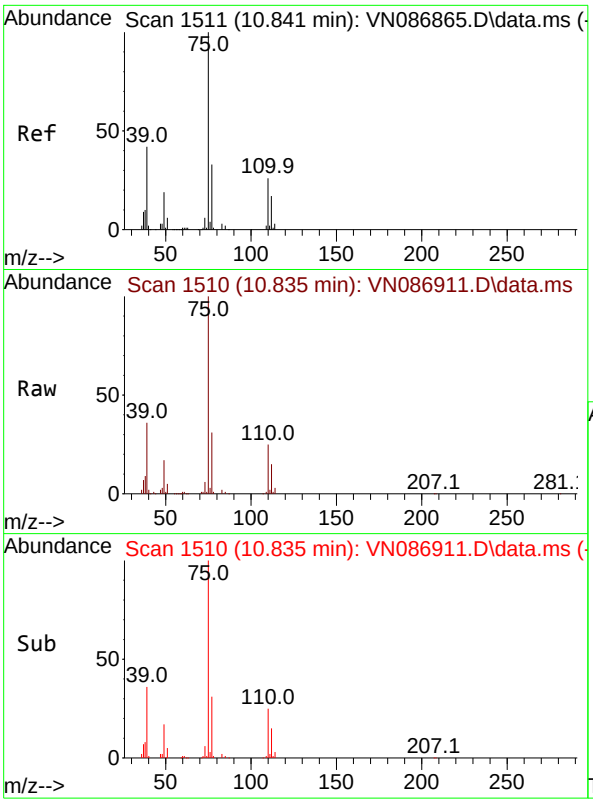


#52
Toluene
Concen: 50.283 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 92 Resp: 372743

Ion	Ratio	Lower	Upper
92	100		
91	168.1	136.5	204.7

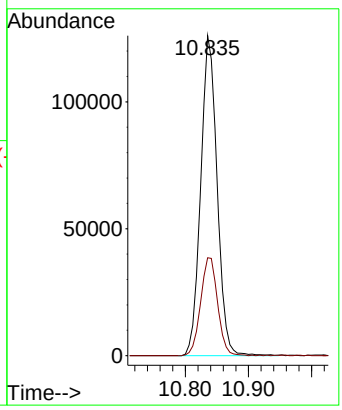




#53
t-1,3-Dichloropropene
Concen: 50.452 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 22751

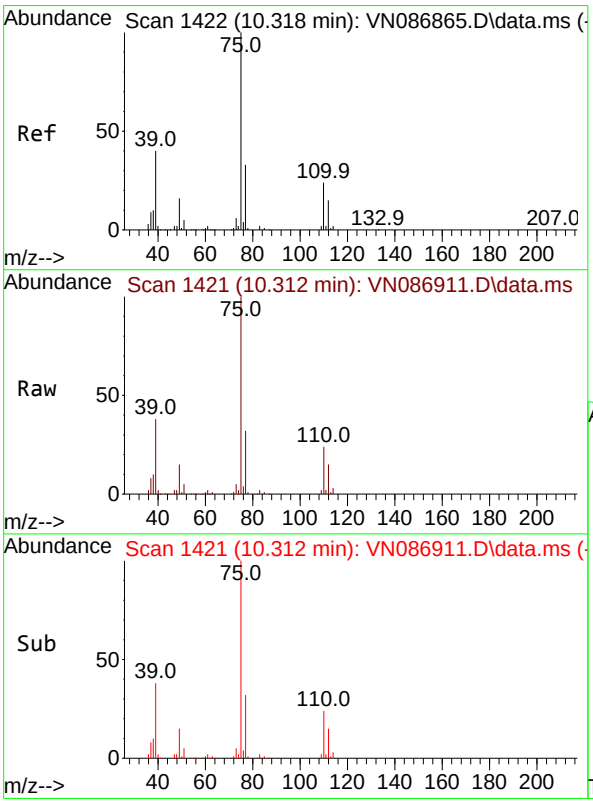
Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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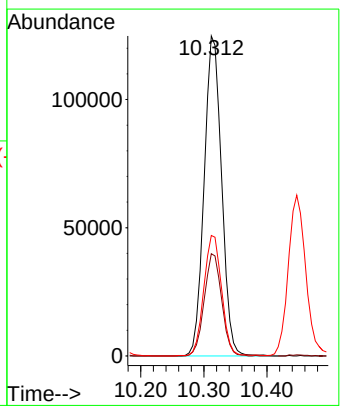
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

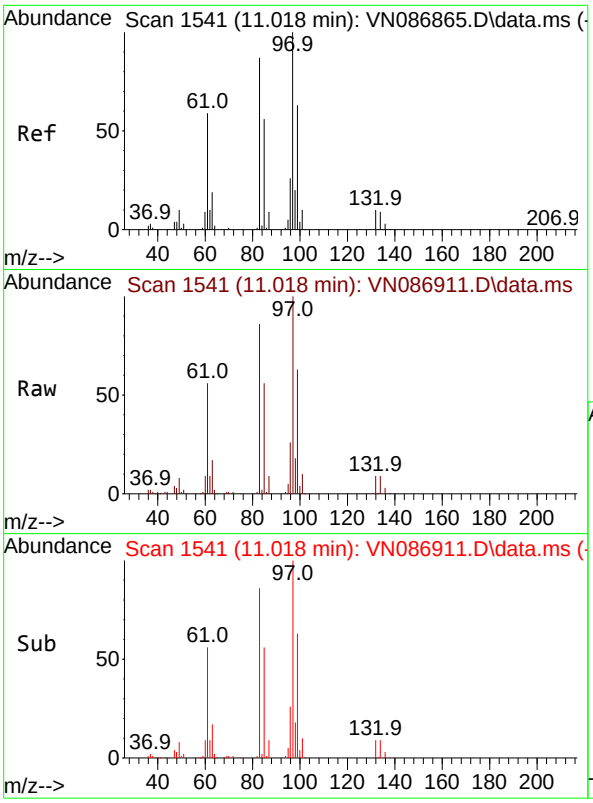


#54
cis-1,3-Dichloropropene
Concen: 49.698 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 239800

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.4
39	37.5	32.3	48.5

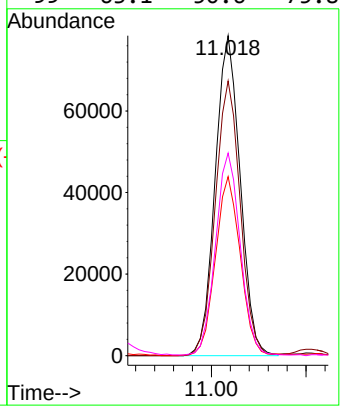




#55
1,1,2-Trichloroethane
Concen: 50.511 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 97 Resp: 14407

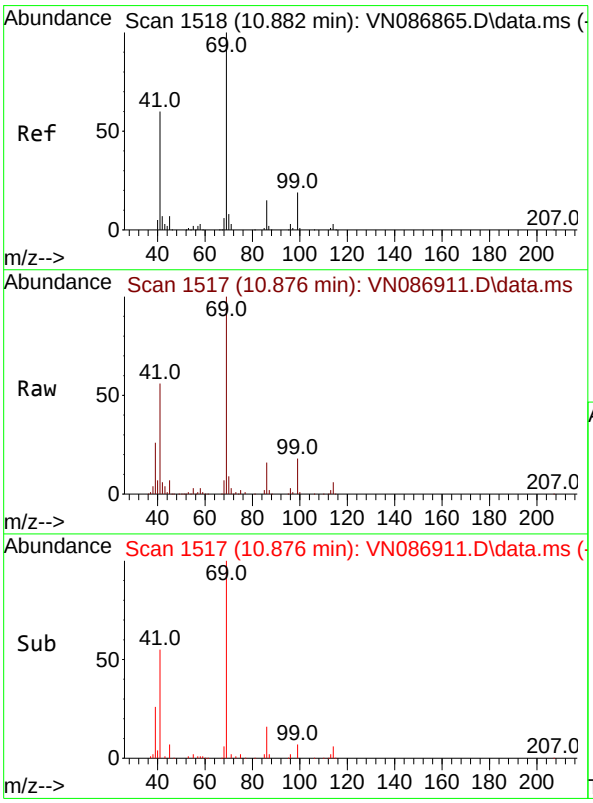
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.7	104.5
85	56.0	45.1	67.7
99	63.1	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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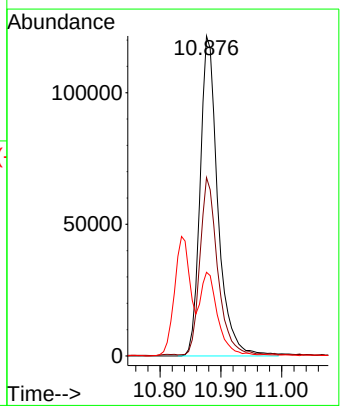
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

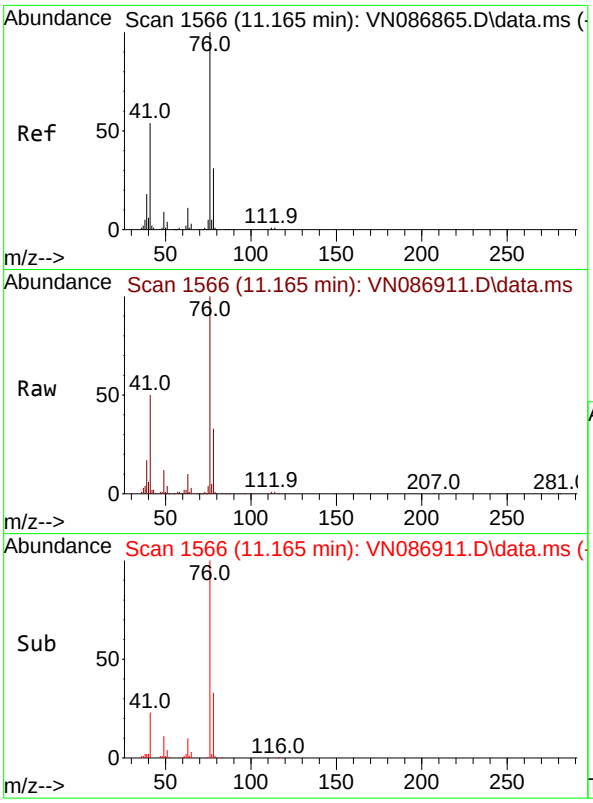


#56
Ethyl methacrylate
Concen: 54.356 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 69 Resp: 246945

Ion	Ratio	Lower	Upper
69	100		
41	55.1	47.2	70.8
39	25.3	23.0	34.6

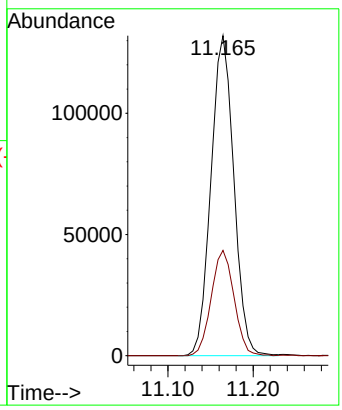




#57
1,3-Dichloropropane
Concen: 49.842 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 76 Resp: 24662

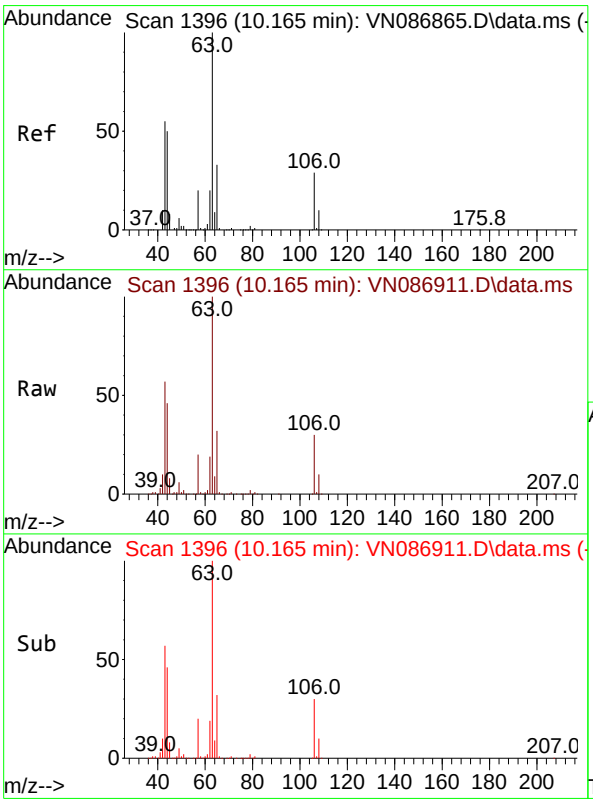
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

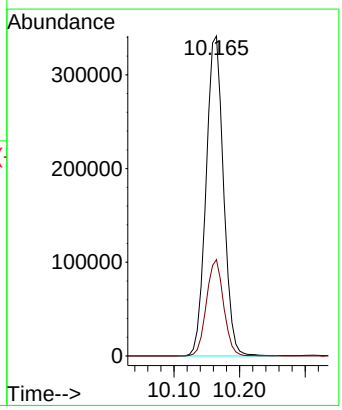
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

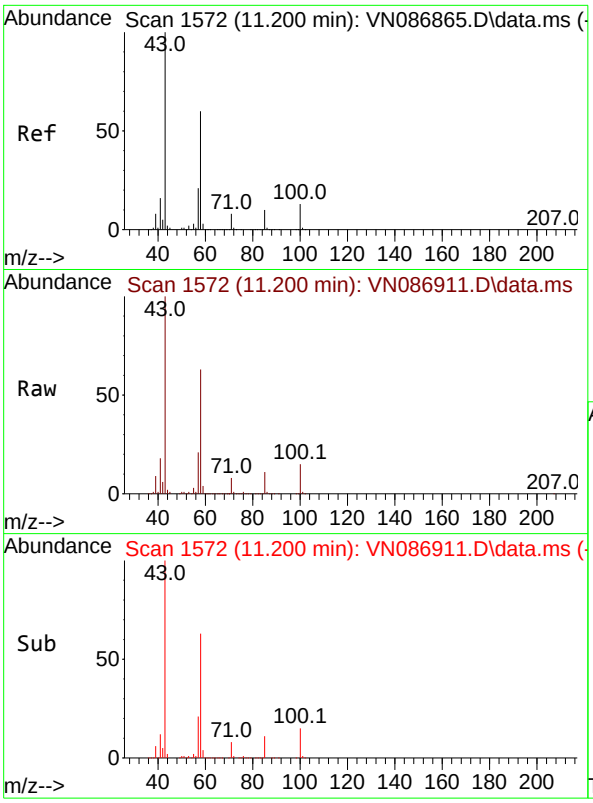


#58
2-Chloroethyl Vinyl ether
Concen: 232.785 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 63 Resp: 630783

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6





#59
2-Hexanone
Concen: 254.927 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

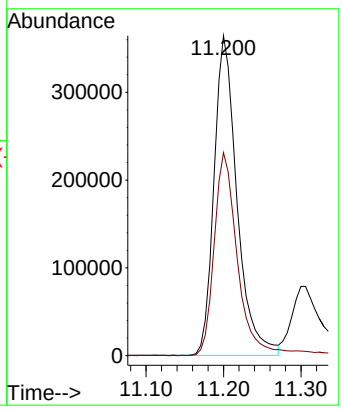
Tgt Ion: 43 Resp: 74921

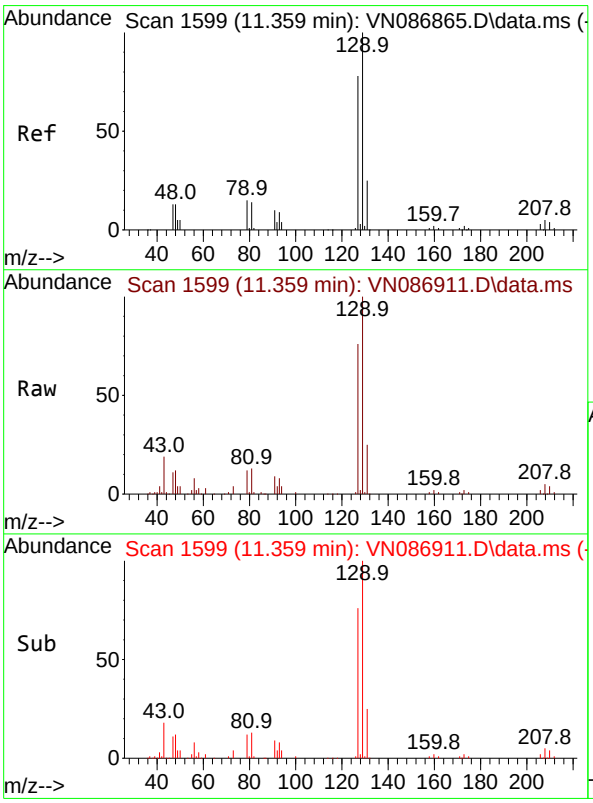
Ion	Ratio	Lower	Upper
43	100		
58	66.8	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

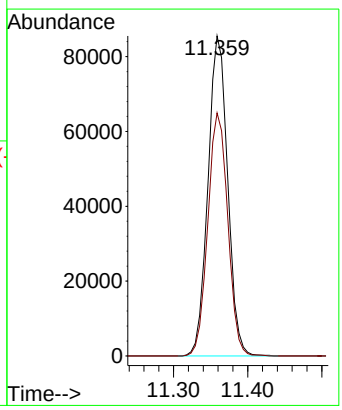


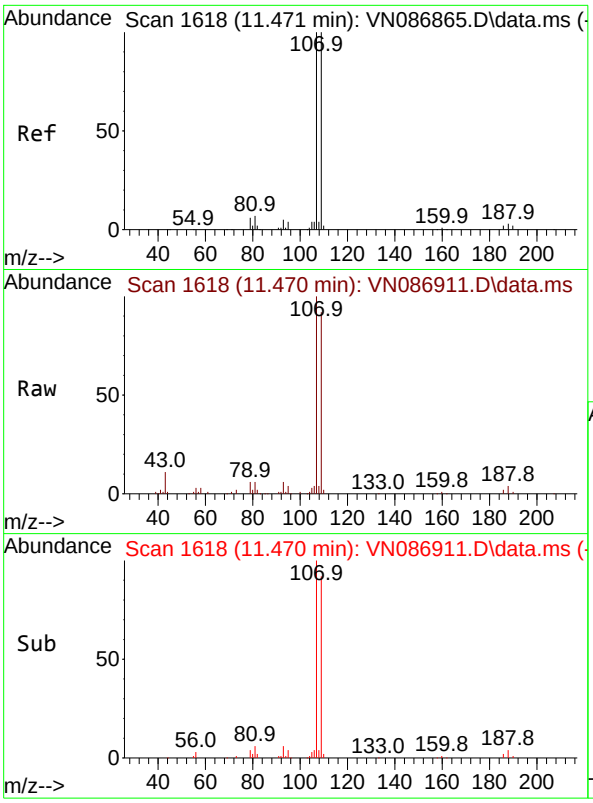


#60
Dibromochloromethane
Concen: 53.046 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:129 Resp: 157642

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8

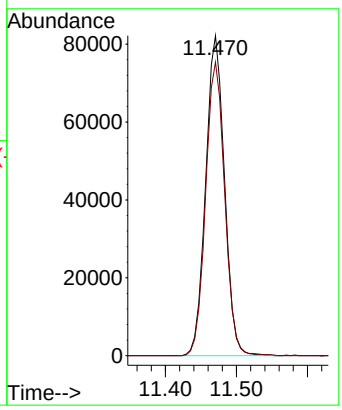




#61
1,2-Dibromoethane
Concen: 51.729 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:107 Resp: 15123

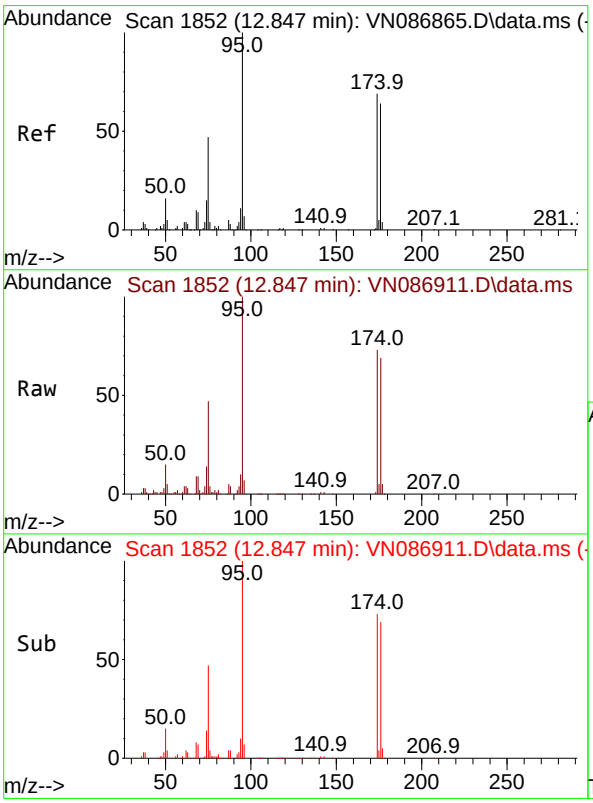
Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

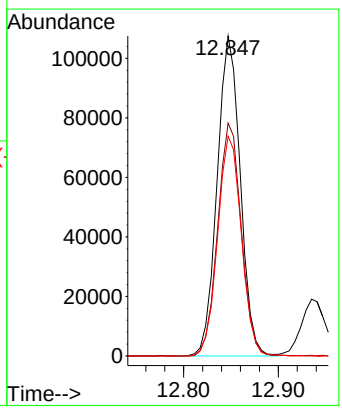
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

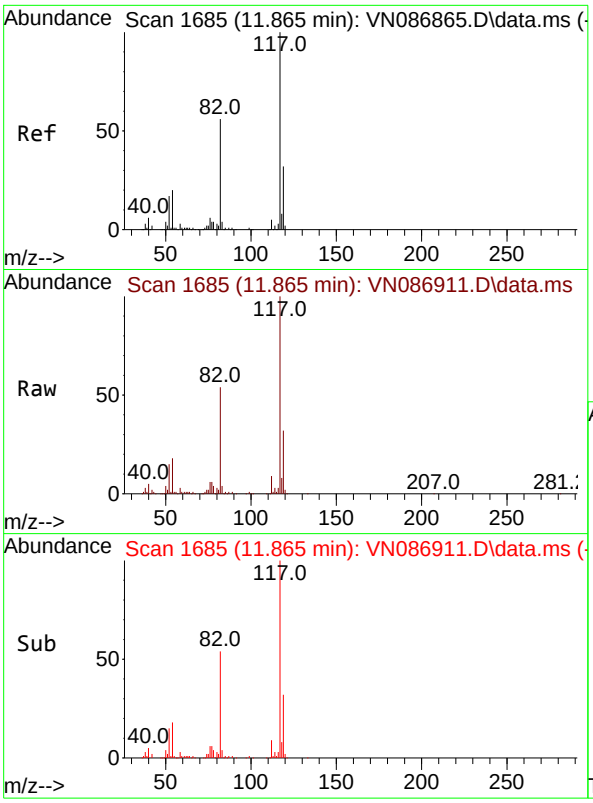


#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 95 Resp: 182658

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	141.8
176	70.2	0.0	132.6

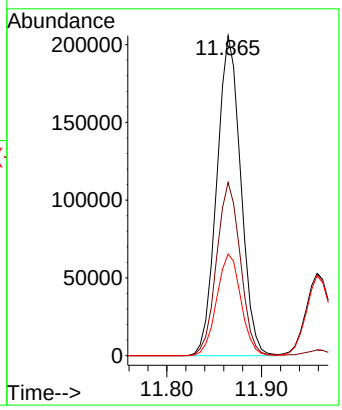




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:117 Resp: 36167

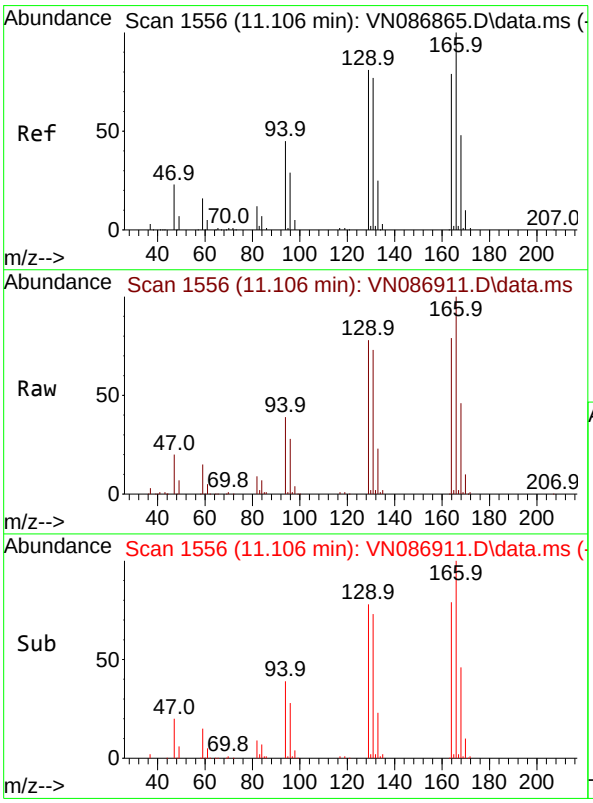
Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.6	67.0
119	31.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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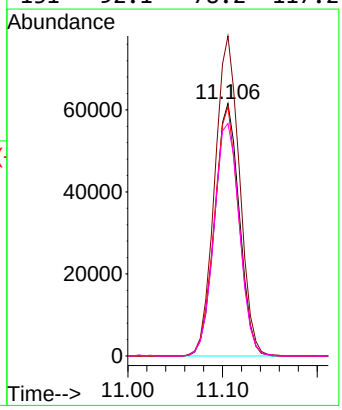
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

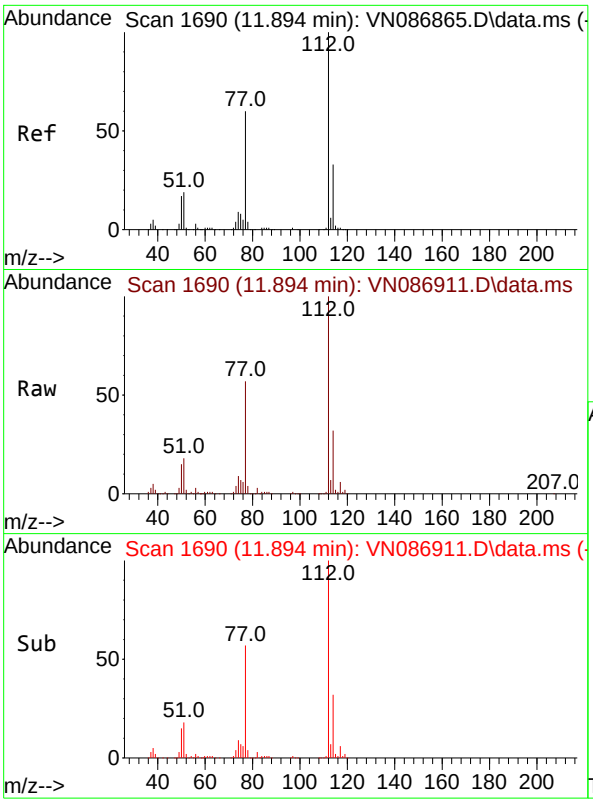


#64
Tetrachloroethene
Concen: 48.432 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:164 Resp: 110856

Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.8	152.8
129	98.7	83.0	124.4
131	92.1	78.2	117.2

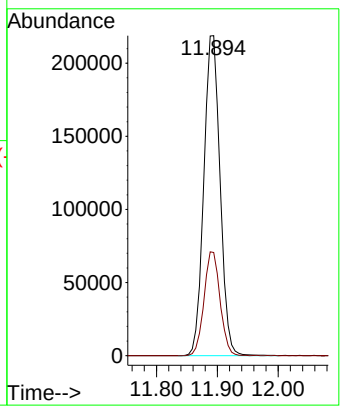




#65
Chlorobenzene
Concen: 50.938 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:112 Resp: 40632

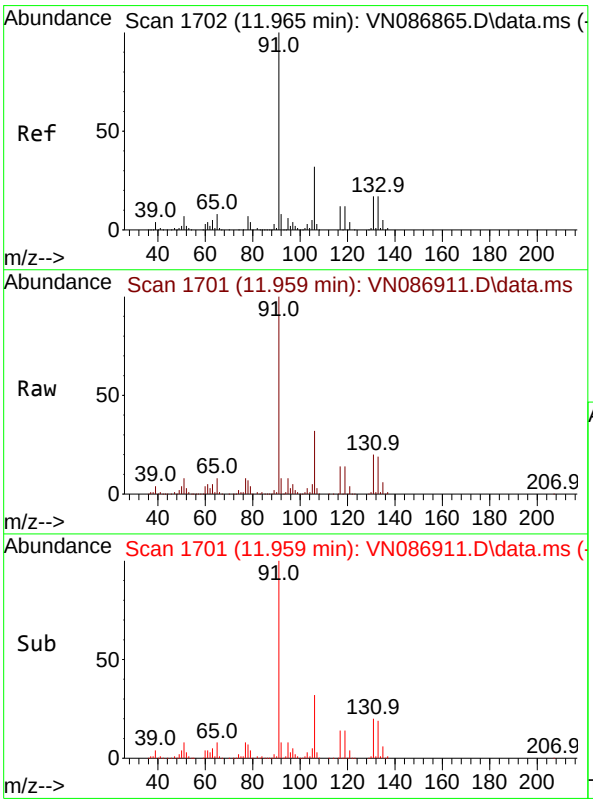
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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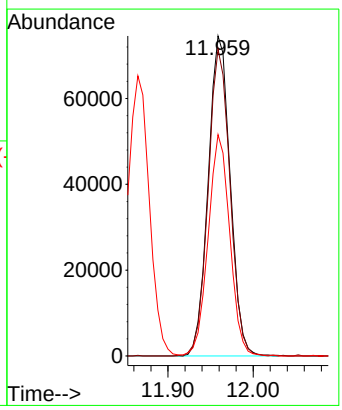
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

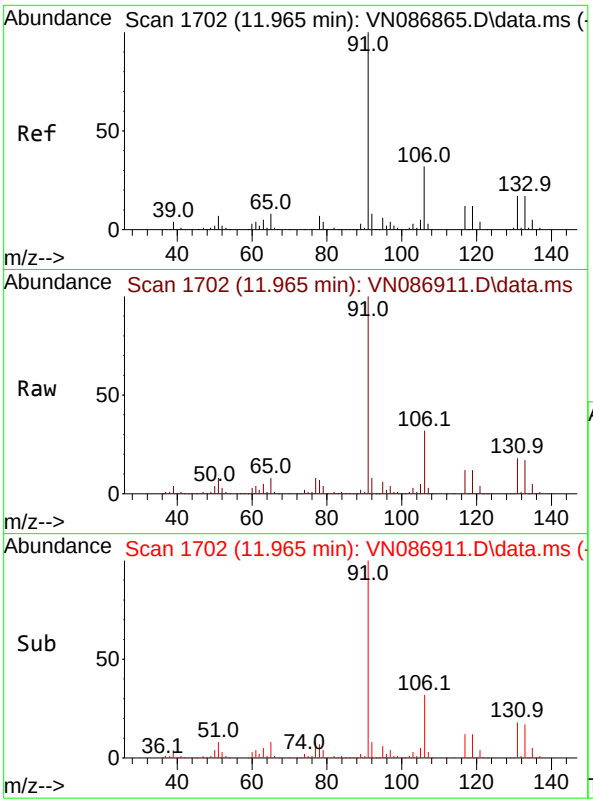


#66
1,1,1,2-Tetrachloroethane
Concen: 52.211 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:131 Resp: 133877

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.3	144.8
119	68.0	34.0	101.8

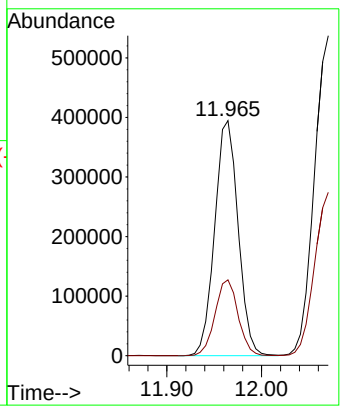




#67
Ethyl Benzene
Concen: 49.375 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 67840

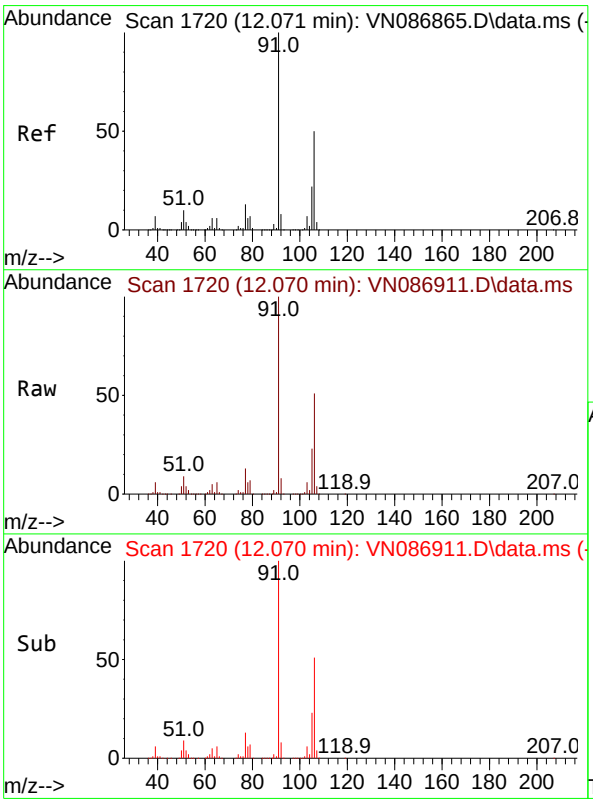
Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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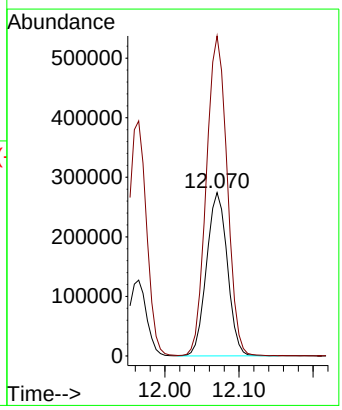
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

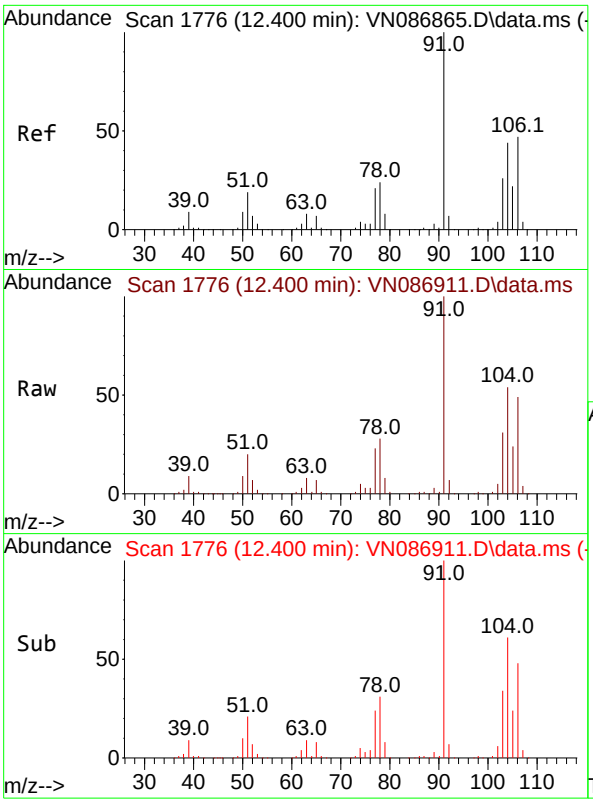


#68
m/p-Xylenes
Concen: 101.613 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:106 Resp: 534450

Ion	Ratio	Lower	Upper
106	100		
91	195.7	159.4	239.0

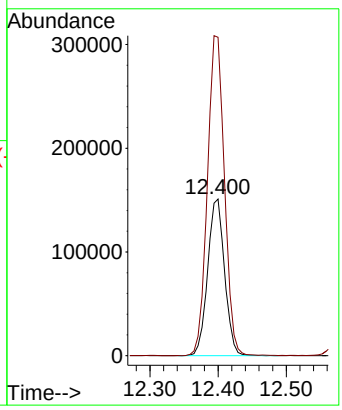




#69
o-Xylene
Concen: 51.686 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:106 Resp: 26036

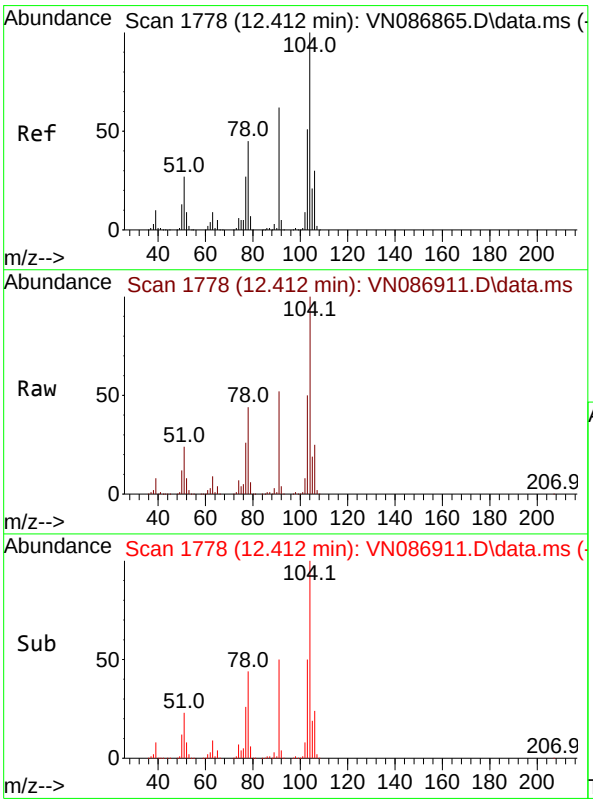
Ion	Ratio	Lower	Upper
106	100		
91	206.2	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

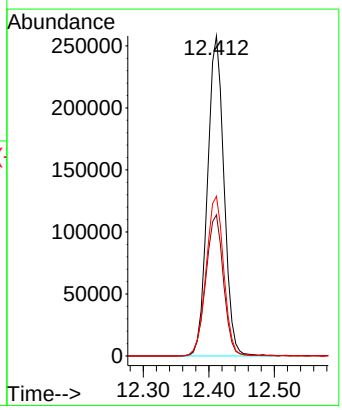
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

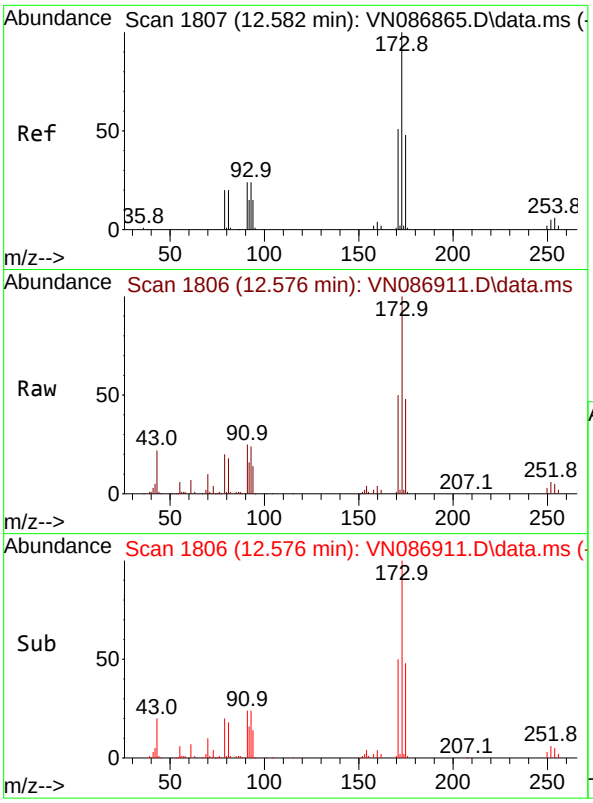


#70
Styrene
Concen: 52.227 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:104 Resp: 450190

Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	53.5	43.1	64.7

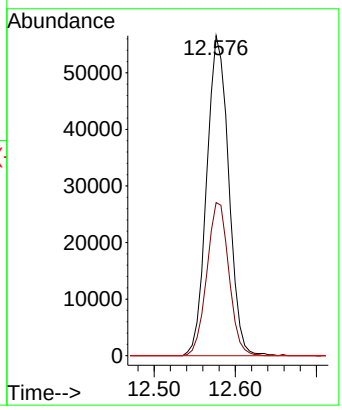




#71
Bromoform
Concen: 55.815 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

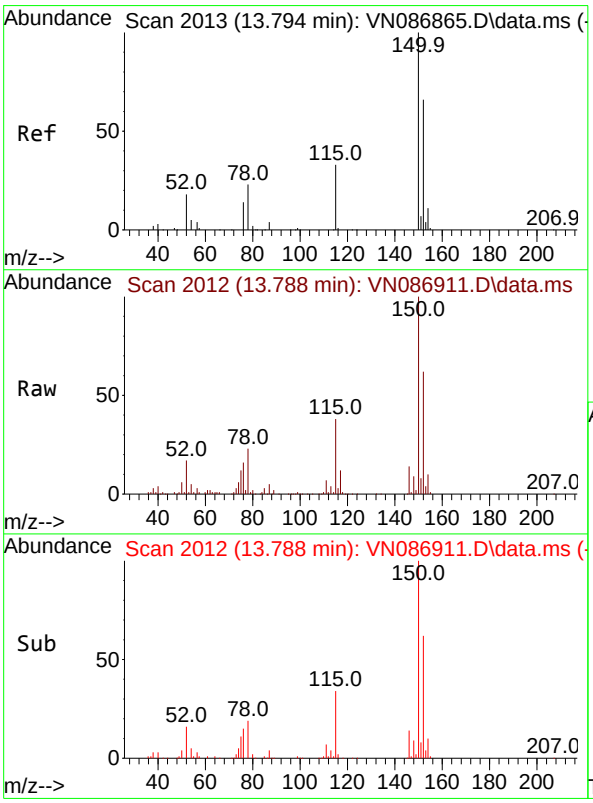
Tgt Ion:173 Resp: 10604

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

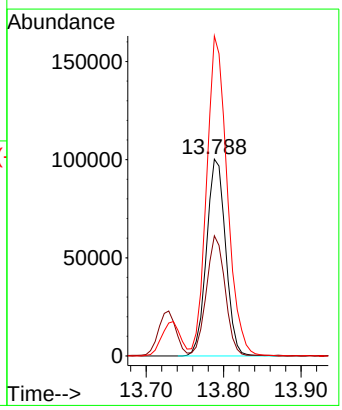
Manual Integrations APPROVED
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

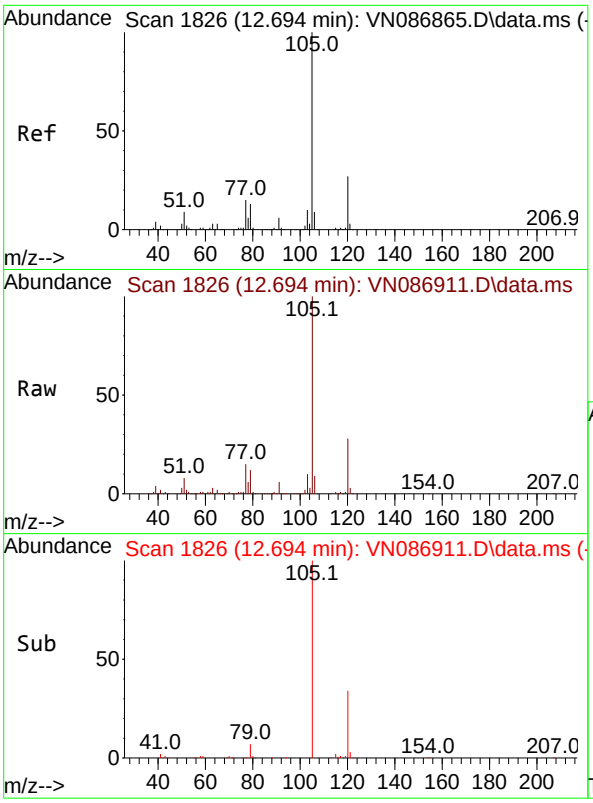


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:152 Resp: 171846

Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.1	90.5
150	175.6	0.0	345.0

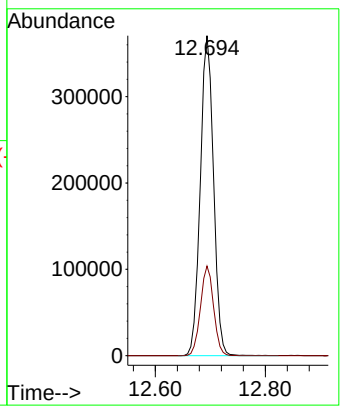




#73
Isopropylbenzene
Concen: 49.532 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:105 Resp: 62009

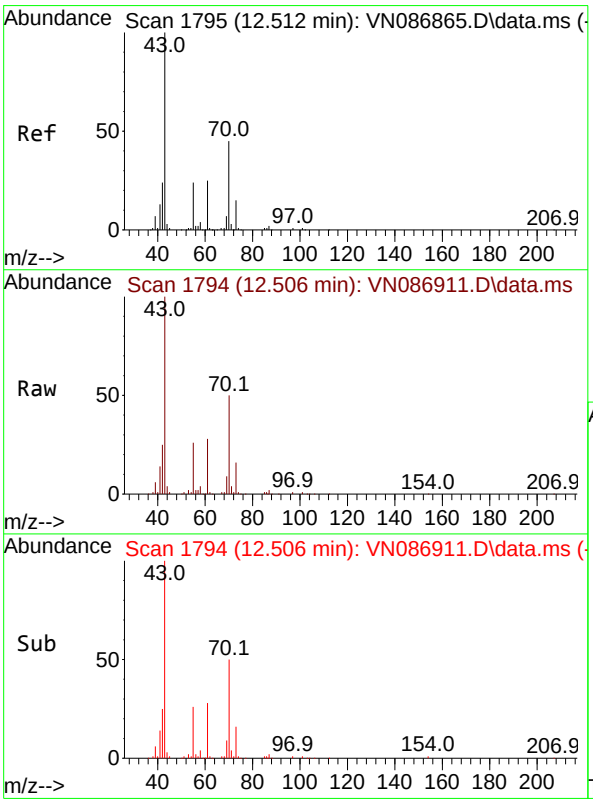
Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

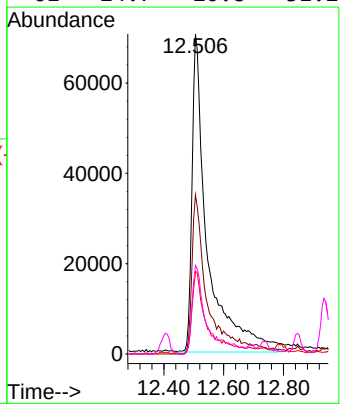
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

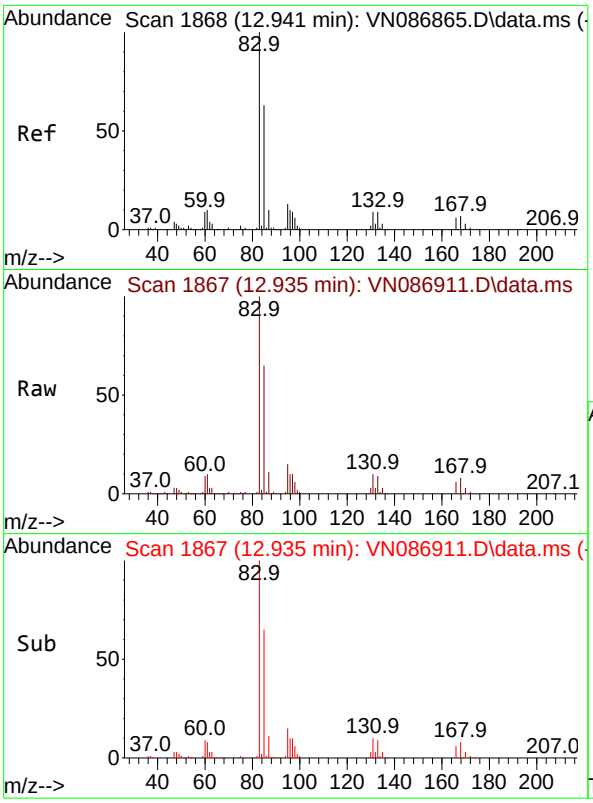


#74
N-amyl acetate
Concen: 57.797 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 252846

Ion	Ratio	Lower	Upper
43	100		
70	48.9	37.6	56.4
55	25.0	19.0	28.6
61	24.7	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 52.379 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

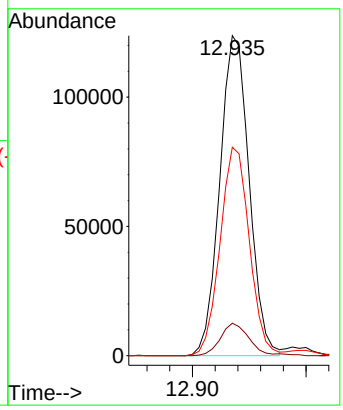
Tgt Ion: 83 Resp: 22215

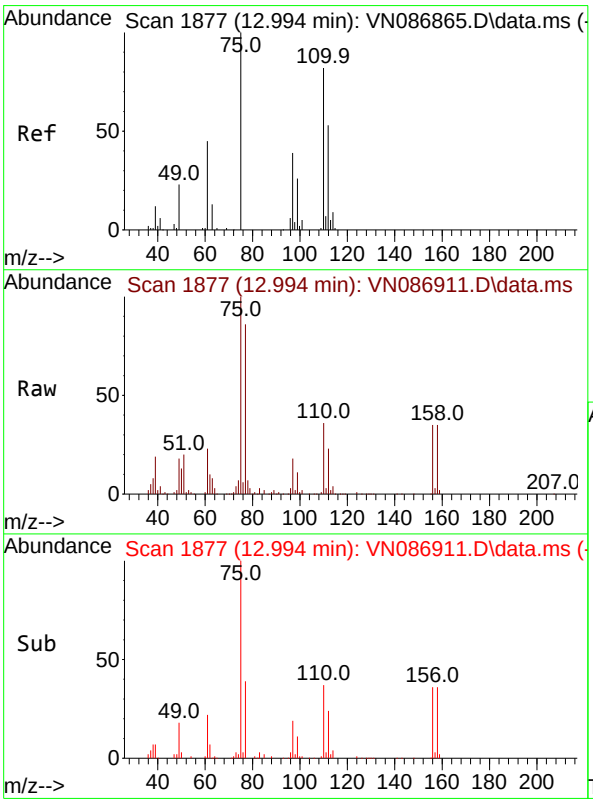
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	65.1	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

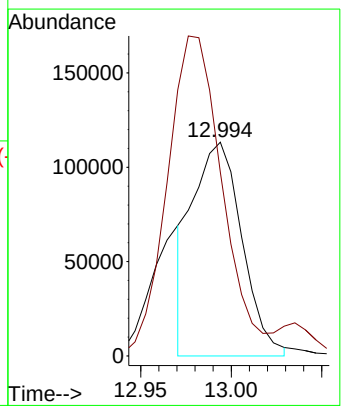


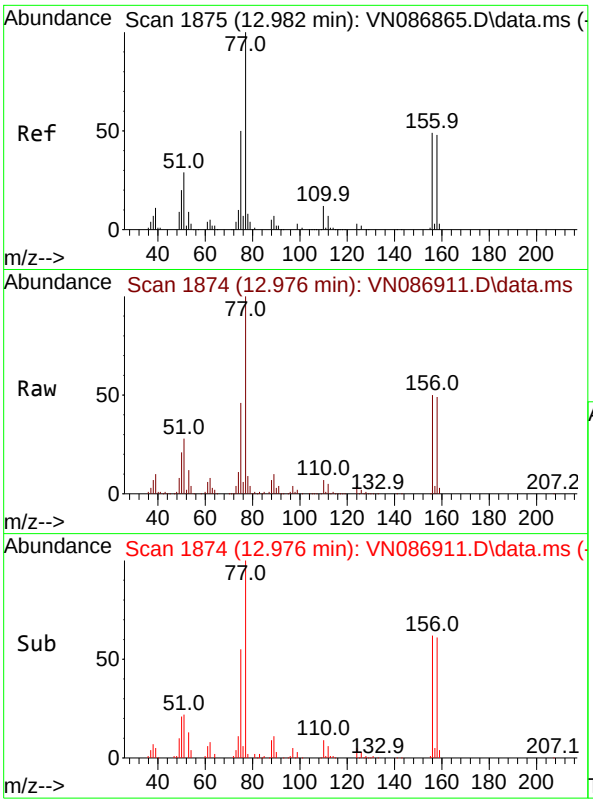


#76
1,2,3-Trichloropropane
Concen: 52.621 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 214947

Ion	Ratio	Lower	Upper
75	100		
77	166.1	79.3	237.9

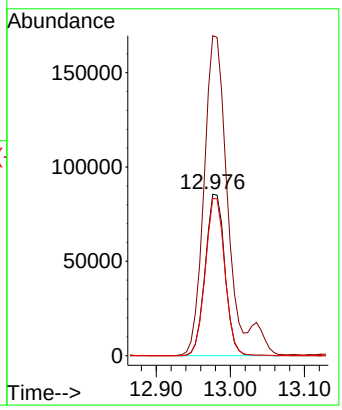




#77
Bromobenzene
Concen: 54.629 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:156 Resp: 15684

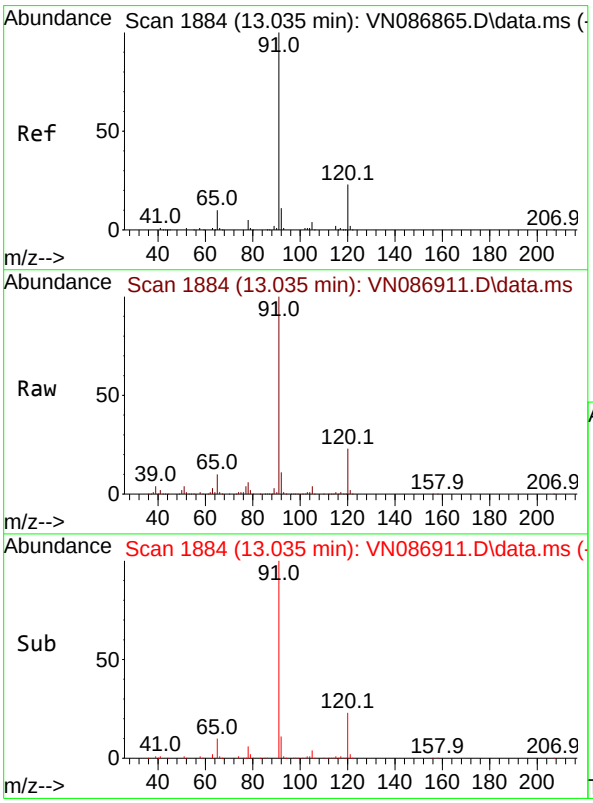
Ion	Ratio	Lower	Upper
156	100		
77	227.6	117.7	353.1
158	97.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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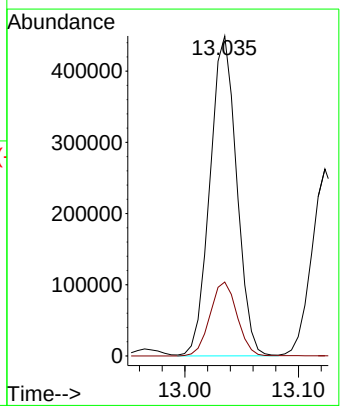
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

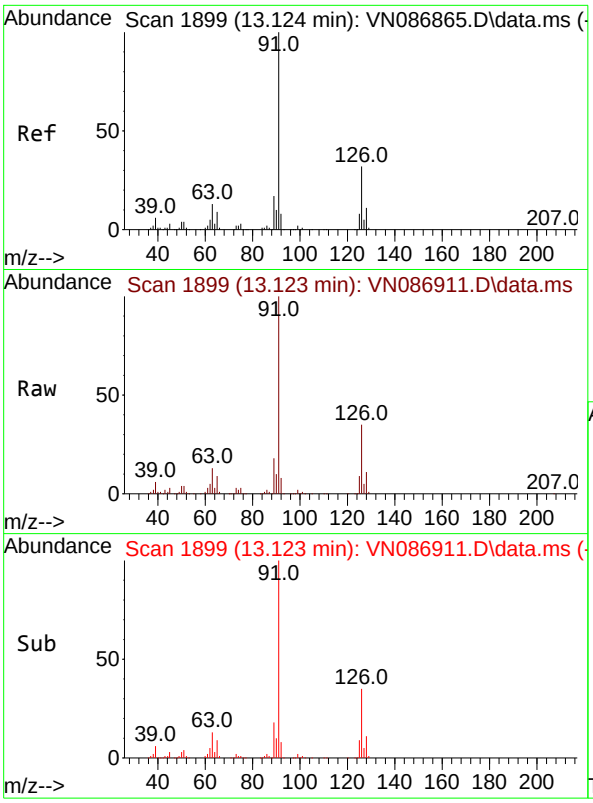


#78
n-propylbenzene
Concen: 48.282 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 734563

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2

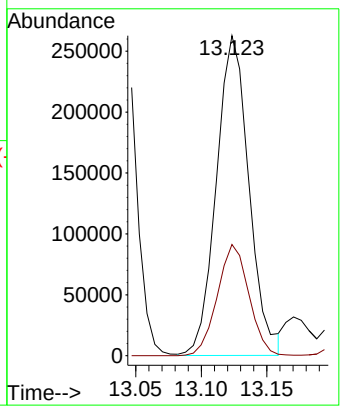




#79
2-Chlorotoluene
Concen: 49.742 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 45384

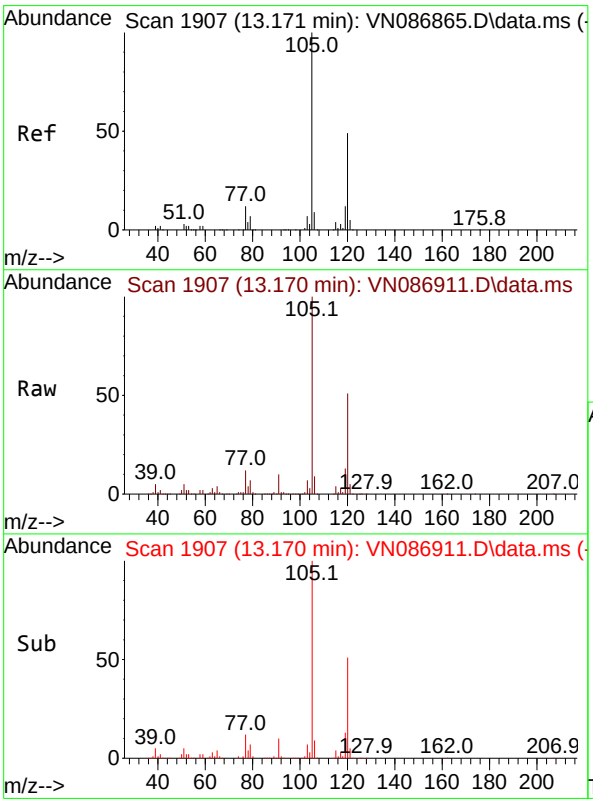
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

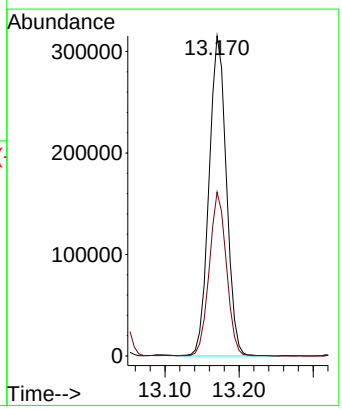
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

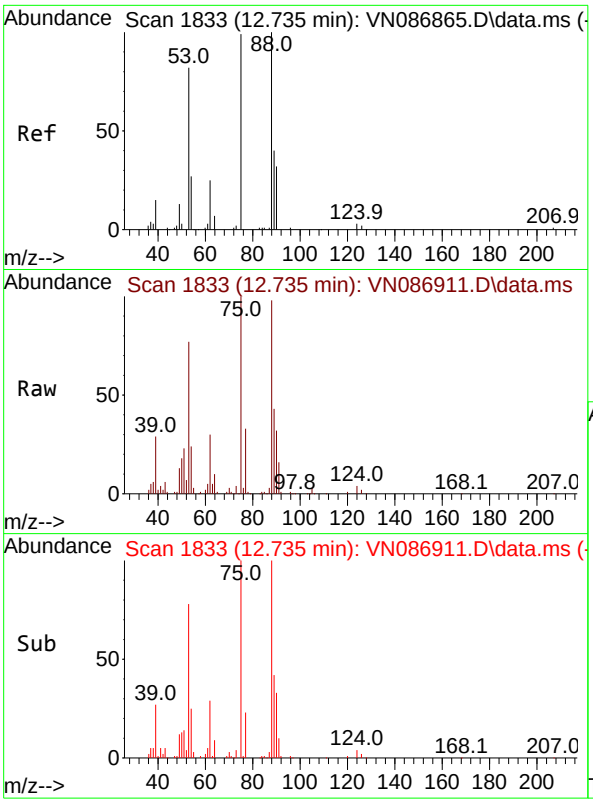


#80
1,3,5-Trimethylbenzene
Concen: 49.531 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:105 Resp: 511955

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6

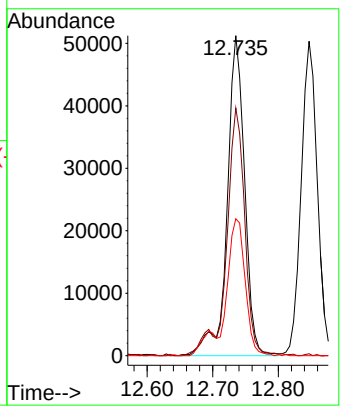




#81
trans-1,4-Dichloro-2-butene
Concen: 53.576 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 9507

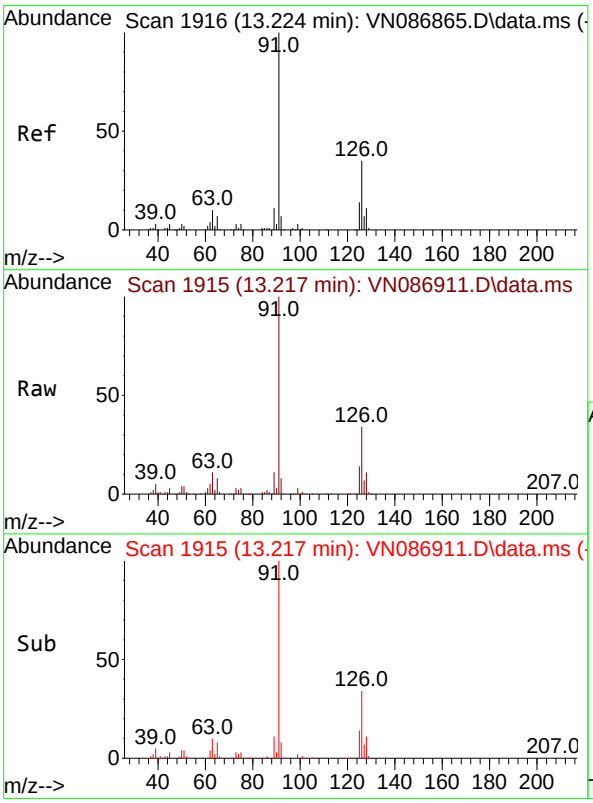
Ion	Ratio	Lower	Upper
75	100		
53	73.8	66.6	99.8
89	42.4	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

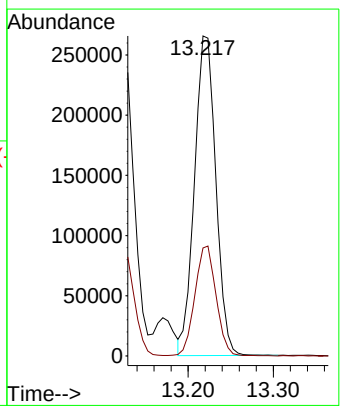
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

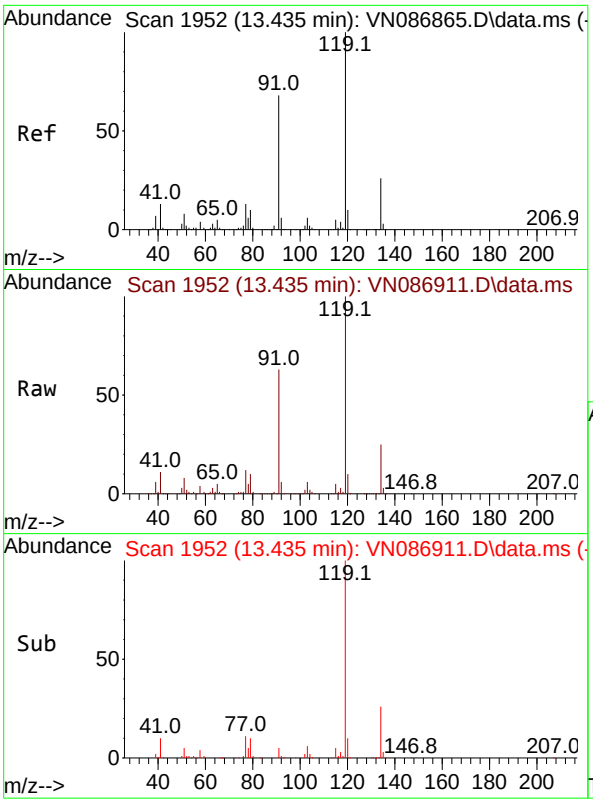


#82
4-Chlorotoluene
Concen: 50.037 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 461943

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.1

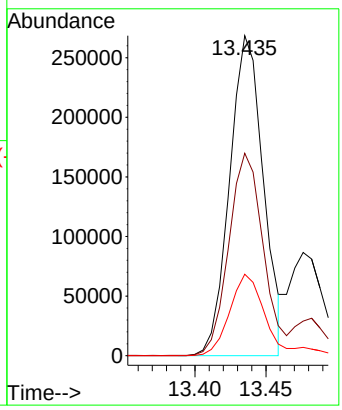




#83
tert-Butylbenzene
Concen: 46.828 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:119 Resp: 44305

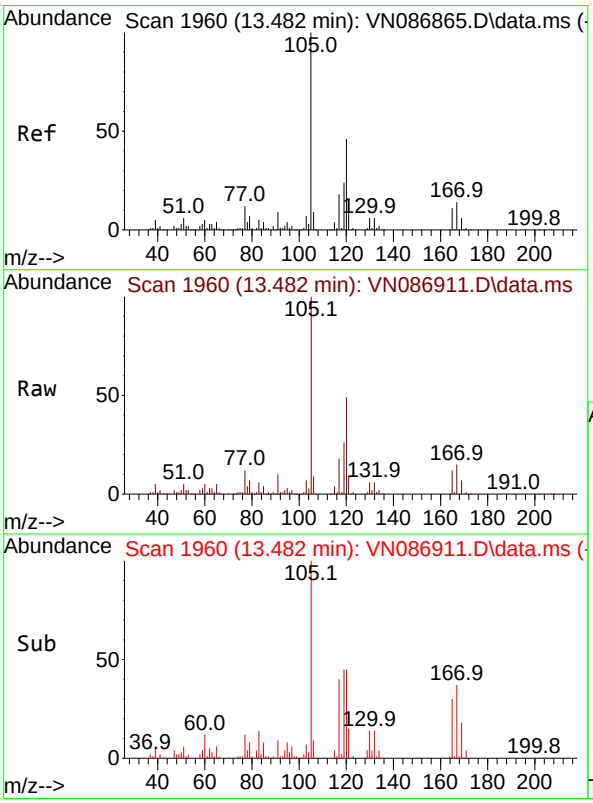
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.5
134	27.6	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

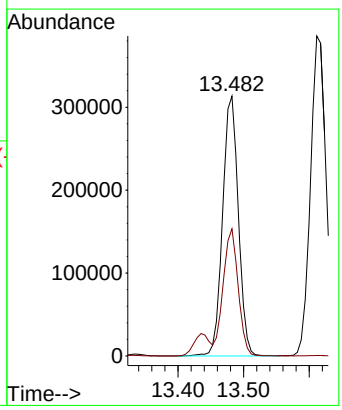
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

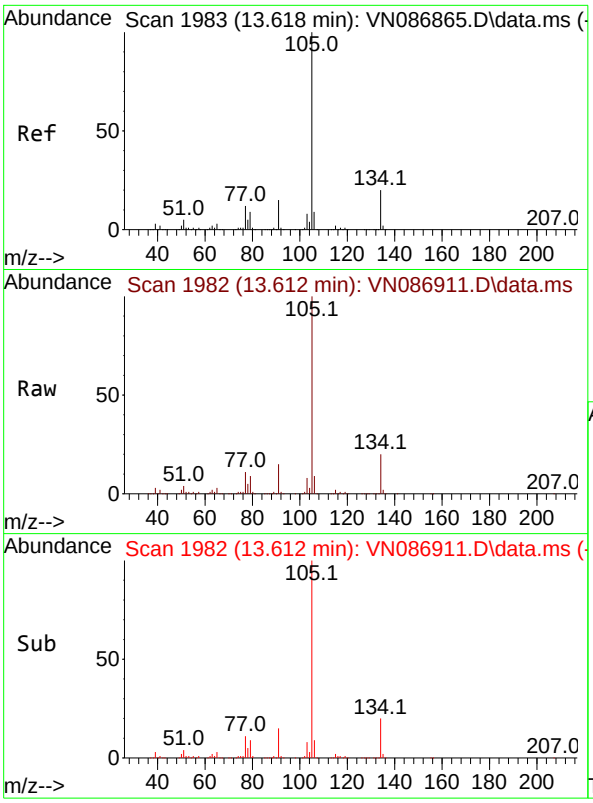


#84
1,2,4-Trimethylbenzene
Concen: 50.201 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:105 Resp: 520317

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6





#85
sec-Butylbenzene
Concen: 46.581 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

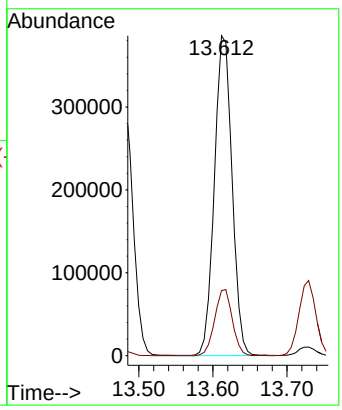
Tgt Ion:105 Resp: 64001

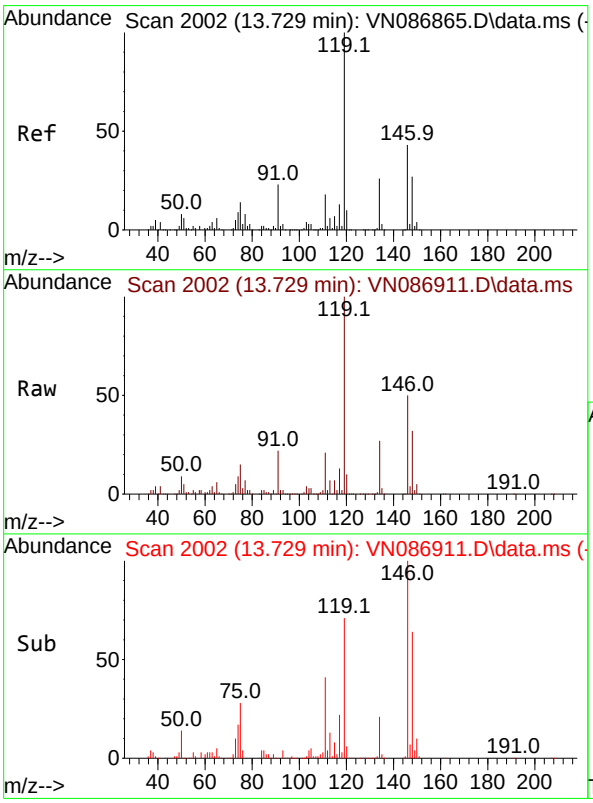
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

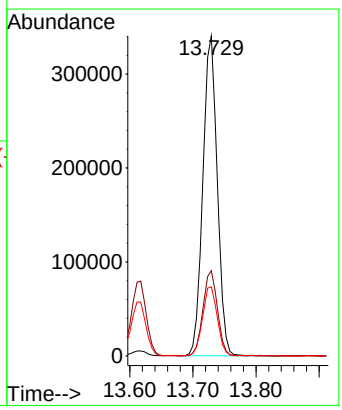


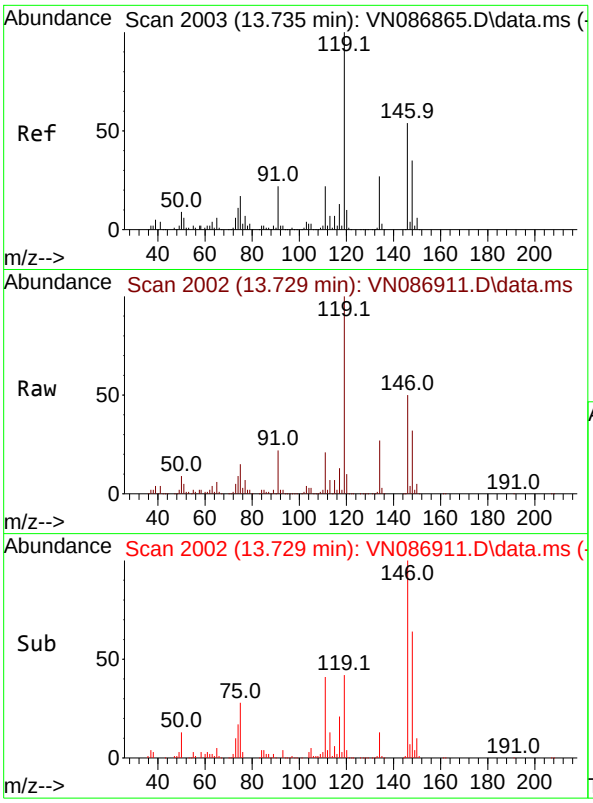


#86
p-Isopropyltoluene
Concen: 47.459 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:119 Resp: 539030

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.0	11.5	34.4

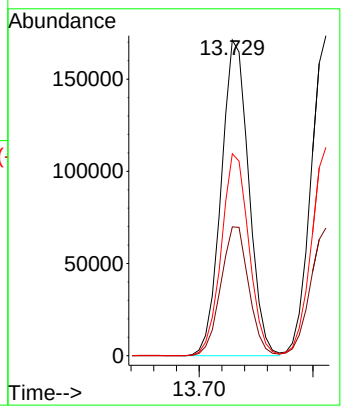




#87
1,3-Dichlorobenzene
Concen: 51.035 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:146 Resp: 28828

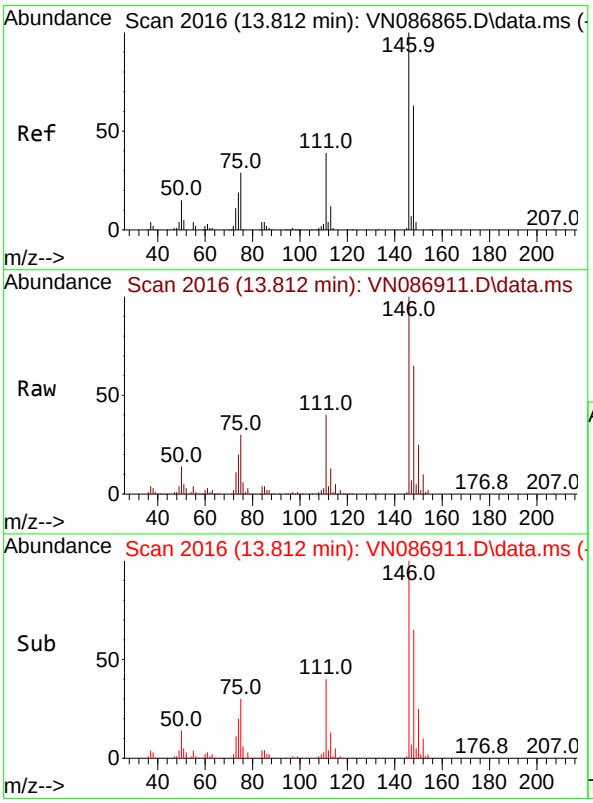
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.9	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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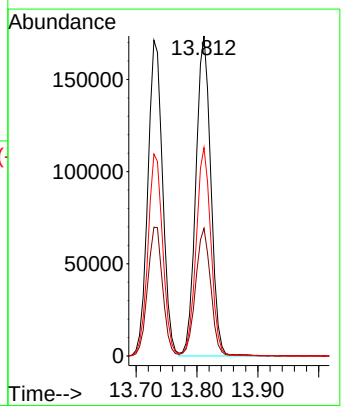
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

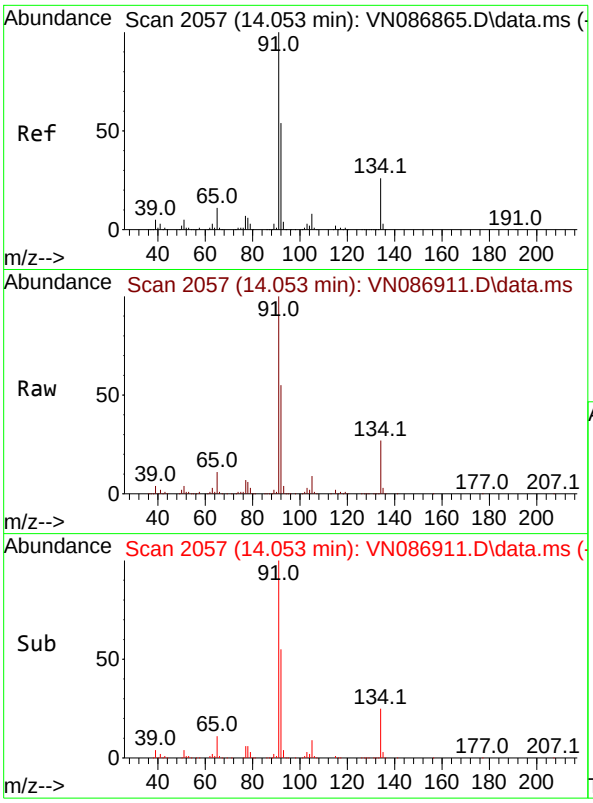


#88
1,4-Dichlorobenzene
Concen: 51.354 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:146 Resp: 295752

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	64.2	31.8	95.4

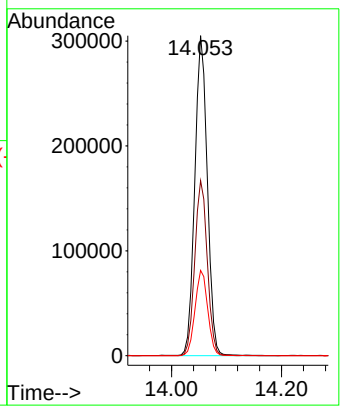




#89
n-Butylbenzene
Concen: 43.927 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 48325

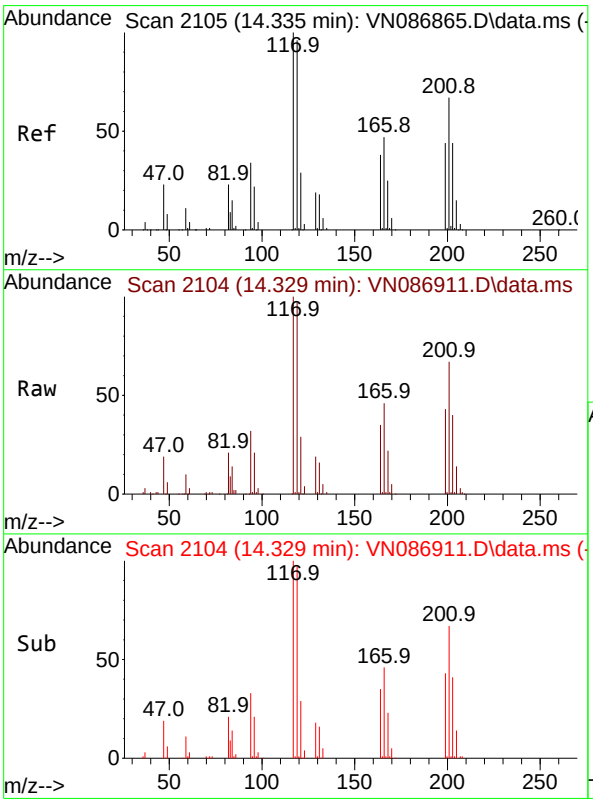
Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	26.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

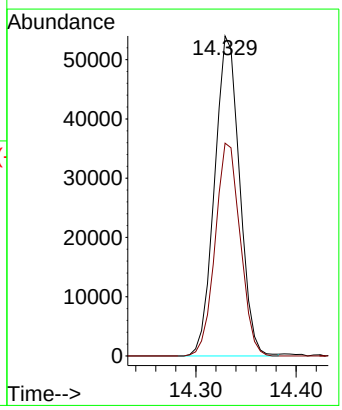
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

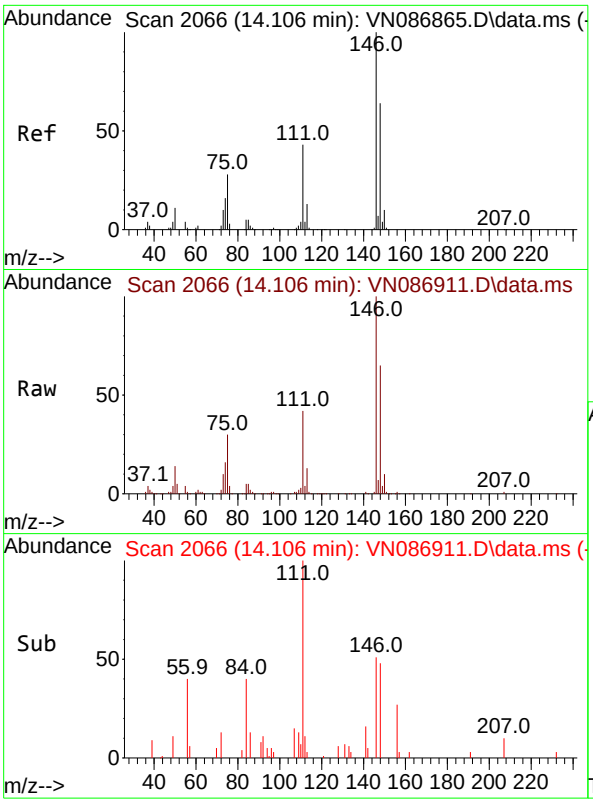


#90
Hexachloroethane
Concen: 48.549 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:117 Resp: 93467

Ion	Ratio	Lower	Upper
117	100		
201	66.6	33.2	99.6

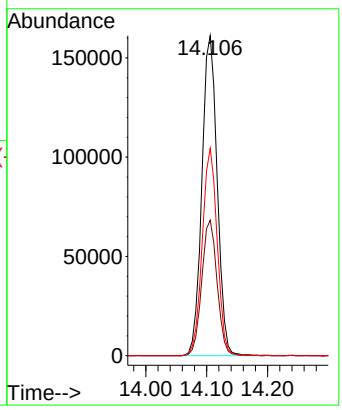




#91
1,2-Dichlorobenzene
Concen: 51.939 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:146 Resp: 28187

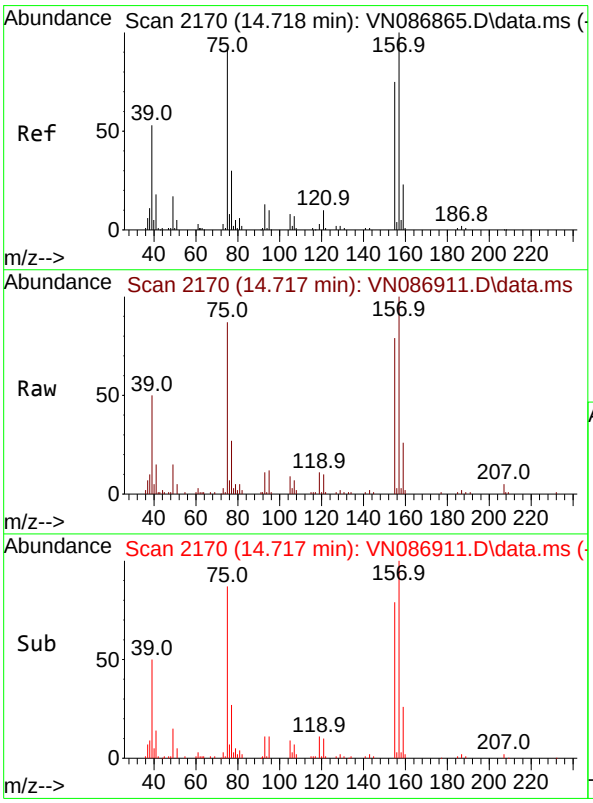
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

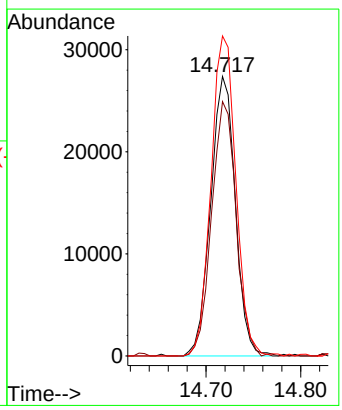
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

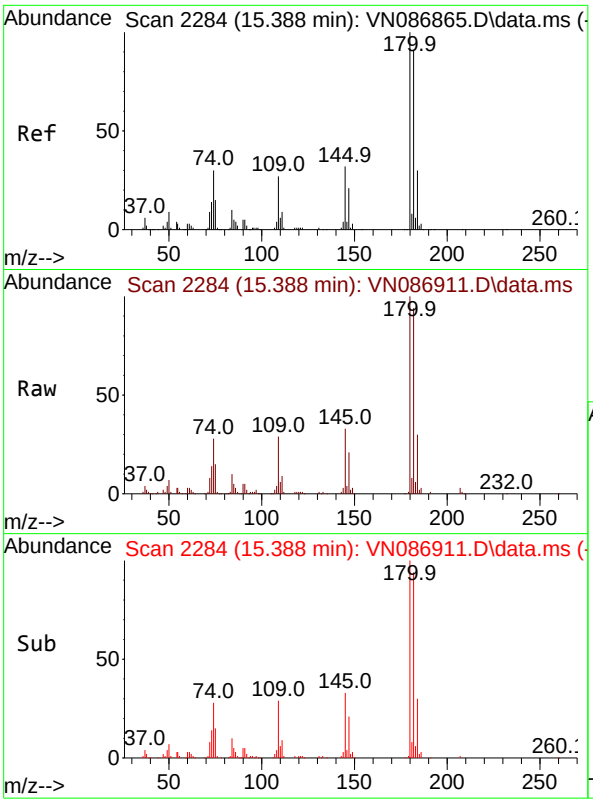


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.871 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 49570

Ion	Ratio	Lower	Upper
75	100		
155	90.1	41.1	123.4
157	115.3	52.7	158.1





#93
1,2,4-Trichlorobenzene
Concen: 45.826 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

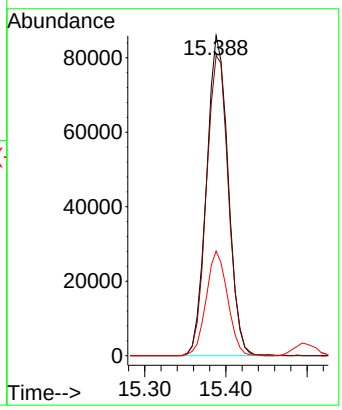
Tgt Ion:180 Resp: 15881

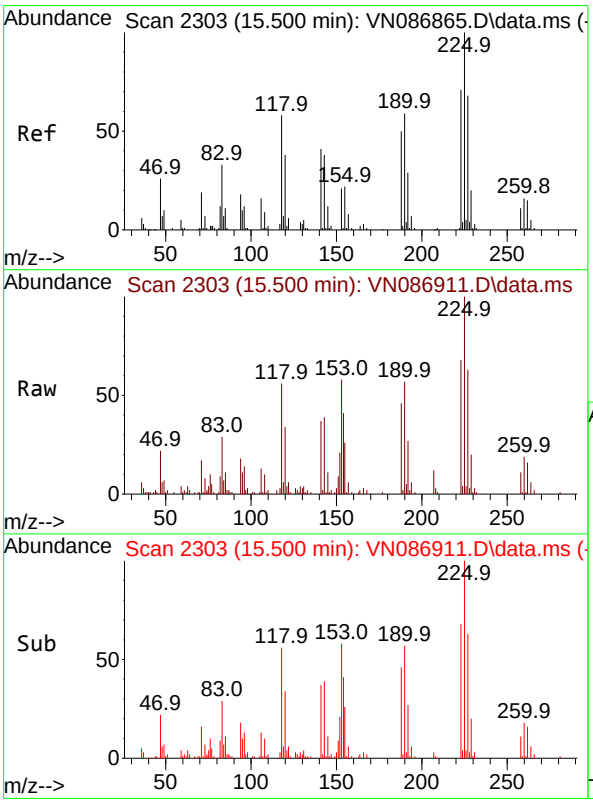
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	32.3	16.0	47.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

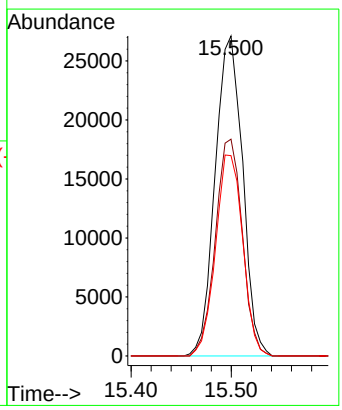


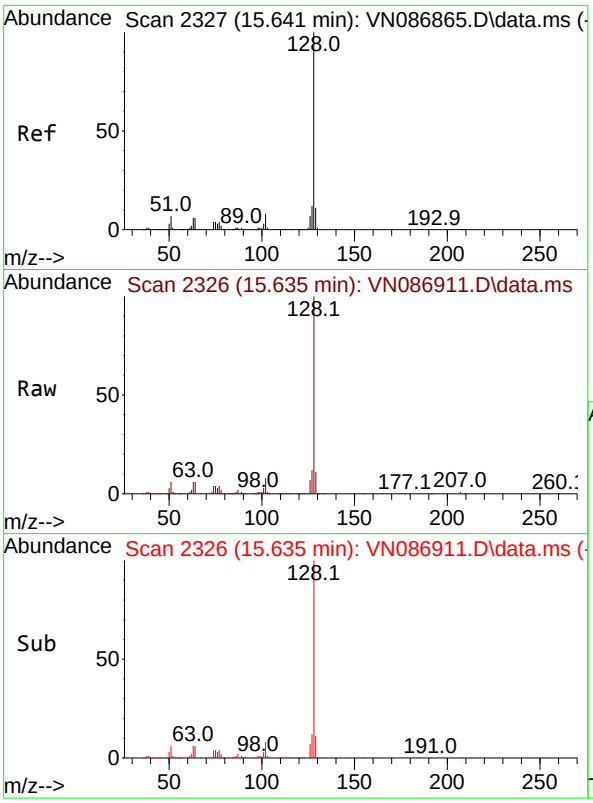


#94
Hexachlorobutadiene
Concen: 39.949 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:225 Resp: 51579

Ion	Ratio	Lower	Upper
225	100		
223	66.3	33.5	100.4
227	62.2	31.1	93.5

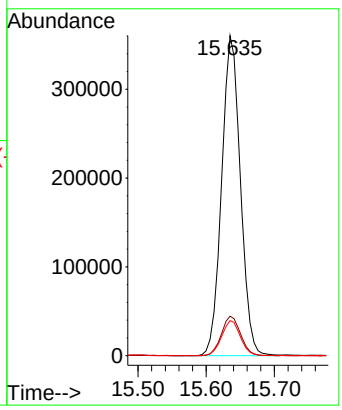




#95
Naphthalene
Concen: 53.593 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:128 Resp: 69130

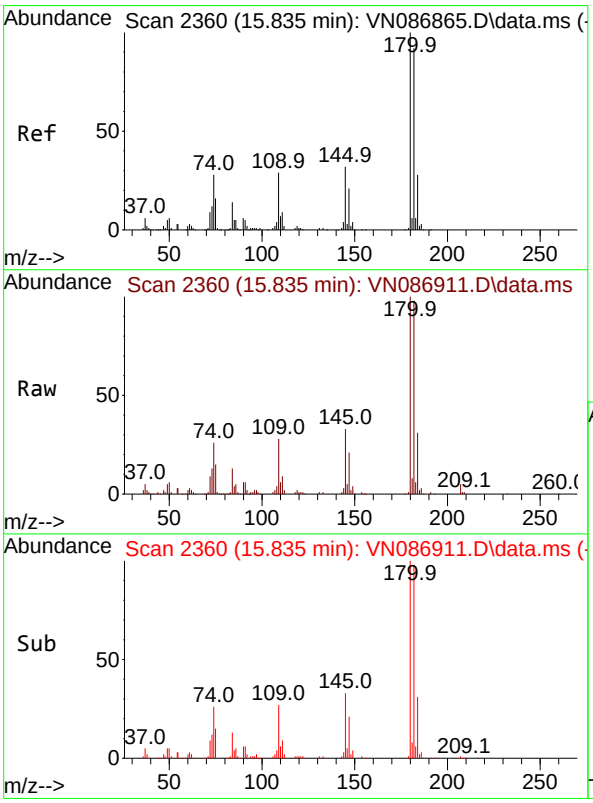
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

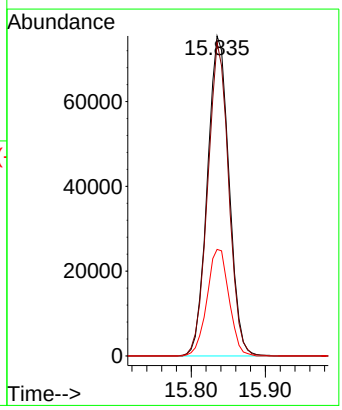
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.434 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:180 Resp: 152993

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.9	16.6	49.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	0.00
2	T	Dichlorodifluoromethane	0.499	0.499	0.0	114	0.00
3	P	Chloromethane	0.644	0.541	16.0	103	0.00
4	C	Vinyl Chloride	0.664	0.640	3.6#	114	0.00
5	T	Bromomethane	0.372	0.343	7.8	110	0.00
6	T	Chloroethane	0.429	0.410	4.4	115	0.00
7	T	Trichlorofluoromethane	0.868	0.851	2.0	116	0.00
8	T	Diethyl Ether	0.378	0.388	-2.6	122	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.522	4.2	115	0.00
10	T	Methyl Iodide	0.707	0.566	19.9	95	0.00
11	T	Tert butyl alcohol	0.182	0.160	12.1	104	-0.01
12	CM	1,1-Dichloroethene	0.557	0.551	1.1#	118	0.00
13	T	Acrolein	0.057	0.062	-8.8	156#	0.00
14	T	Allyl chloride	0.923	0.799	13.4	105	0.00
15	T	Acrylonitrile	0.425	0.402	5.4	113	0.00
16	T	Acetone	0.355	0.302	14.9	107	0.00
17	T	Carbon Disulfide	1.539	1.420	7.7	114	0.01
18	T	Methyl Acetate	1.035	0.958	7.4	111	0.00
19	T	Methyl tert-butyl Ether	2.015	2.005	0.5	118	0.00
20	T	Methylene Chloride	0.665	0.628	5.6	118	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.589	4.8	118	0.00
22	T	Diisopropyl ether	1.945	1.823	6.3	112	0.00
23	T	Vinyl Acetate	1.644	1.555	5.4	112	0.00
24	P	1,1-Dichloroethane	1.120	1.079	3.7	116	0.00
25	T	2-Butanone	0.577	0.515	10.7	107	0.00
26	T	2,2-Dichloropropane	0.871	0.795	8.7	100	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.734	0.8	120	0.00
28	T	Bromochloromethane	0.550	0.472	14.2	116	0.00
29	T	Tetrahydrofuran	0.376	0.336	10.6	107	0.00
30	C	Chloroform	1.118	1.076	3.8#	116	0.00
31	T	Cyclohexane	1.086	0.895	17.6	102	0.00
32	T	1,1,1-Trichloroethane	0.951	0.899	5.5	115	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.638	4.6	146	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
35	S	Dibromofluoromethane	0.296	0.309	-4.4	156#	0.00
36	T	1,1-Dichloropropene	0.442	0.435	1.6	115	0.00
37	T	Ethyl Acetate	0.562	0.515	8.4	107	0.00
38	T	Carbon Tetrachloride	0.433	0.429	0.9	116	0.00
39	T	Methylcyclohexane	0.605	0.515	14.9	100	0.00
40	TM	Benzene	1.444	1.414	2.1	117	0.00
41	T	Methacrylonitrile	0.316	0.287	9.2	105	0.00
42	TM	1,2-Dichloroethane	0.438	0.431	1.6	116	0.00
43	T	Isopropyl Acetate	0.902	0.837	7.2	109	0.00
44	TM	Trichloroethene	0.342	0.353	-3.2	120	0.00
45	C	1,2-Dichloropropane	0.351	0.343	2.3#	115	0.00
46	T	Dibromomethane	0.233	0.240	-3.0	120	0.00
47	T	Bromodichloromethane	0.480	0.476	0.8	115	0.00
48	T	Methyl methacrylate	0.415	0.390	6.0	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	106	0.00
50	S	Toluene-d8	1.173	1.190	-1.4	153#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.525	3.3	108	0.00
52	CM	Toluene	0.882	0.887	-0.6#	118	0.00
53	T	t-1,3-Dichloropropene	0.537	0.542	-0.9	115	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.571	0.5	115	0.00
55	T	1,1,2-Trichloroethane	0.340	0.343	-0.9	118	0.00
56	T	Ethyl methacrylate	0.541	0.588	-8.7	117	0.00
57	T	1,3-Dichloropropane	0.589	0.587	0.3	116	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.300	7.1	122	0.00
59	T	2-Hexanone	0.350	0.357	-2.0	108	0.00
60	T	Dibromochloromethane	0.354	0.375	-5.9	122	0.00
61	T	1,2-Dibromoethane	0.348	0.360	-3.4	121	0.00
62	S	4-Bromofluorobenzene	0.436	0.435	0.2	149	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.316	0.307	2.8	113	0.00
65	PM	Chlorobenzene	1.103	1.123	-1.8	119	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	119	0.00
67	C	Ethyl Benzene	1.899	1.876	1.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.739	-1.7	115	0.00
69	T	o-Xylene	0.696	0.720	-3.4	116	0.00
70	T	Styrene	1.192	1.245	-4.4	116	0.00
71	P	Bromoform	0.263	0.293	-11.4	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.608	1.0	108	0.00
74	T	N-amyl acetate	1.273	1.471	-15.6	119	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.293	-4.8	113	0.00
76	T	1,2,3-Trichloropropane	1.189	1.251	-5.2	109	0.00
77	T	Bromobenzene	0.835	0.913	-9.3	118	0.00
78	T	n-propylbenzene	4.427	4.275	3.4	104	0.00
79	T	2-Chlorotoluene	2.655	2.641	0.5	108	0.00
80	T	1,3,5-Trimethylbenzene	3.007	2.979	0.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.553	-7.2	119	0.00
82	T	4-Chlorotoluene	2.686	2.688	-0.1	109	0.00
83	T	tert-Butylbenzene	2.753	2.578	6.4	101	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.028	-0.4	107	0.00
85	T	sec-Butylbenzene	3.998	3.724	6.9	100	0.00
86	T	p-Isopropyltoluene	3.305	3.137	5.1	101	0.00
87	T	1,3-Dichlorobenzene	1.644	1.678	-2.1	111	0.00
88	T	1,4-Dichlorobenzene	1.676	1.721	-2.7	112	0.00
89	T	n-Butylbenzene	3.201	2.812	12.2	94	0.00
90	T	Hexachloroethane	0.560	0.544	2.9	104	0.00
91	T	1,2-Dichlorobenzene	1.579	1.640	-3.9	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.288	2.4	109	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.924	8.3	98	0.00
94	T	Hexachlorobutadiene	0.376	0.300	20.2	85	0.00
95	T	Naphthalene	3.753	4.023	-7.2	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.890	11.2	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	114	0.00
2	T	Dichlorodifluoromethane	50.000	50.059	-0.1	114	0.00
3	P	Chloromethane	50.000	41.991	16.0	103	0.00
4	C	Vinyl Chloride	50.000	48.209	3.6#	114	0.00
5	T	Bromomethane	50.000	46.171	7.7	110	0.00
6	T	Chloroethane	50.000	47.736	4.5	115	0.00
7	T	Trichlorofluoromethane	50.000	49.022	2.0	116	0.00
8	T	Diethyl Ether	50.000	51.339	-2.7	122	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.882	4.2	115	0.00
10	T	Methyl Iodide	50.000	40.037	19.9	95	0.00
11	T	Tert butyl alcohol	250.000	220.221	11.9	104	-0.01
12	CM	1,1-Dichloroethene	50.000	49.484	1.0#	118	0.00
13	T	Acrolein	250.000	268.707	-7.5	156	0.00
14	T	Allyl chloride	50.000	43.274	13.5	105	0.00
15	T	Acrylonitrile	250.000	236.533	5.4	113	0.00
16	T	Acetone	250.000	212.908	14.8	107	0.00
17	T	Carbon Disulfide	50.000	46.119	7.8	114	0.01
18	T	Methyl Acetate	50.000	46.298	7.4	111	0.00
19	T	Methyl tert-butyl Ether	50.000	49.762	0.5	118	0.00
20	T	Methylene Chloride	50.000	47.218	5.6	118	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.524	5.0	118	0.00
22	T	Diisopropyl ether	50.000	46.864	6.3	112	0.00
23	T	Vinyl Acetate	250.000	236.538	5.4	112	0.00
24	P	1,1-Dichloroethane	50.000	48.185	3.6	116	0.00
25	T	2-Butanone	250.000	223.226	10.7	107	0.00
26	T	2,2-Dichloropropane	50.000	45.651	8.7	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.555	0.9	120	0.00
28	T	Bromochloromethane	50.000	42.885	14.2	116	0.00
29	T	Tetrahydrofuran	250.000	223.263	10.7	107	0.00
30	C	Chloroform	50.000	48.104	3.8#	116	0.00
31	T	Cyclohexane	50.000	41.219	17.6	102	0.00
32	T	1,1,1-Trichloroethane	50.000	47.273	5.5	115	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.675	4.7	146	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	111	0.00
35	S	Dibromofluoromethane	50.000	52.094	-4.2	156	0.00
36	T	1,1-Dichloropropene	50.000	49.276	1.4	115	0.00
37	T	Ethyl Acetate	50.000	45.818	8.4	107	0.00
38	T	Carbon Tetrachloride	50.000	49.468	1.1	116	0.00
39	T	Methylcyclohexane	50.000	42.563	14.9	100	0.00
40	TM	Benzene	50.000	48.968	2.1	117	0.00
41	T	Methacrylonitrile	50.000	45.470	9.1	105	0.00
42	TM	1,2-Dichloroethane	50.000	49.191	1.6	116	0.00
43	T	Isopropyl Acetate	50.000	46.408	7.2	109	0.00
44	TM	Trichloroethene	50.000	51.528	-3.1	120	0.00
45	C	1,2-Dichloropropane	50.000	48.774	2.5#	115	0.00
46	T	Dibromomethane	50.000	51.401	-2.8	120	0.00
47	T	Bromodichloromethane	50.000	49.584	0.8	115	0.00
48	T	Methyl methacrylate	50.000	46.955	6.1	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	987.483	1.3	106	0.00
50	S	Toluene-d8	50.000	50.734	-1.5	153	0.00
51	T	4-Methyl-2-Pentanone	250.000	241.688	3.3	108	0.00
52	CM	Toluene	50.000	50.283	-0.6#	118	0.00
53	T	t-1,3-Dichloropropene	50.000	50.452	-0.9	115	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.698	0.6	115	0.00
55	T	1,1,2-Trichloroethane	50.000	50.511	-1.0	118	0.00
56	T	Ethyl methacrylate	50.000	54.356	-8.7	117	0.00
57	T	1,3-Dichloropropane	50.000	49.842	0.3	116	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	232.785	6.9	122	0.00
59	T	2-Hexanone	250.000	254.927	-2.0	108	0.00
60	T	Dibromochloromethane	50.000	53.046	-6.1	122	0.00
61	T	1,2-Dibromoethane	50.000	51.729	-3.5	121	0.00
62	S	4-Bromofluorobenzene	50.000	49.889	0.2	149	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	48.432	3.1	113	0.00
65	PM	Chlorobenzene	50.000	50.938	-1.9	119	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.211	-4.4	119	0.00
67	C	Ethyl Benzene	50.000	49.375	1.3#	114	0.00
68	T	m/p-Xylenes	100.000	101.613	-1.6	115	0.00
69	T	o-Xylene	50.000	51.686	-3.4	116	0.00
70	T	Styrene	50.000	52.227	-4.5	116	0.00
71	P	Bromoform	50.000	55.815	-11.6	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.532	0.9	108	0.00
74	T	N-amyl acetate	50.000	57.797	-15.6	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.379	-4.8	113	0.00
76	T	1,2,3-Trichloropropane	50.000	52.621	-5.2	109	0.00
77	T	Bromobenzene	50.000	54.629	-9.3	118	0.00
78	T	n-propylbenzene	50.000	48.282	3.4	104	0.00
79	T	2-Chlorotoluene	50.000	49.742	0.5	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.531	0.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.576	-7.2	119	0.00
82	T	4-Chlorotoluene	50.000	50.037	-0.1	109	0.00
83	T	tert-Butylbenzene	50.000	46.828	6.3	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.201	-0.4	107	0.00
85	T	sec-Butylbenzene	50.000	46.581	6.8	100	0.00
86	T	p-Isopropyltoluene	50.000	47.459	5.1	101	0.00
87	T	1,3-Dichlorobenzene	50.000	51.035	-2.1	111	0.00
88	T	1,4-Dichlorobenzene	50.000	51.354	-2.7	112	0.00
89	T	n-Butylbenzene	50.000	43.927	12.1	94	0.00
90	T	Hexachloroethane	50.000	48.549	2.9	104	0.00
91	T	1,2-Dichlorobenzene	50.000	51.939	-3.9	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.871	2.3	109	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.826	8.3	98	0.00
94	T	Hexachlorobutadiene	50.000	39.949	20.1	85	0.00
95	T	Naphthalene	50.000	53.593	-7.2	115	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.434	11.1	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

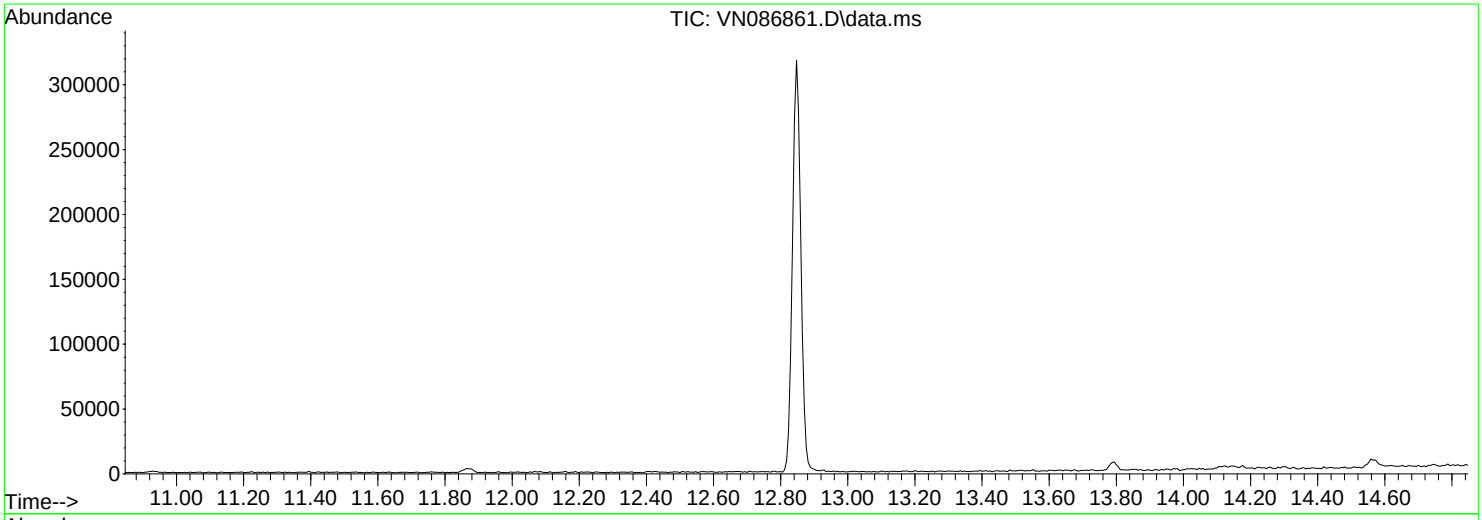
QC SAMPLE DATA

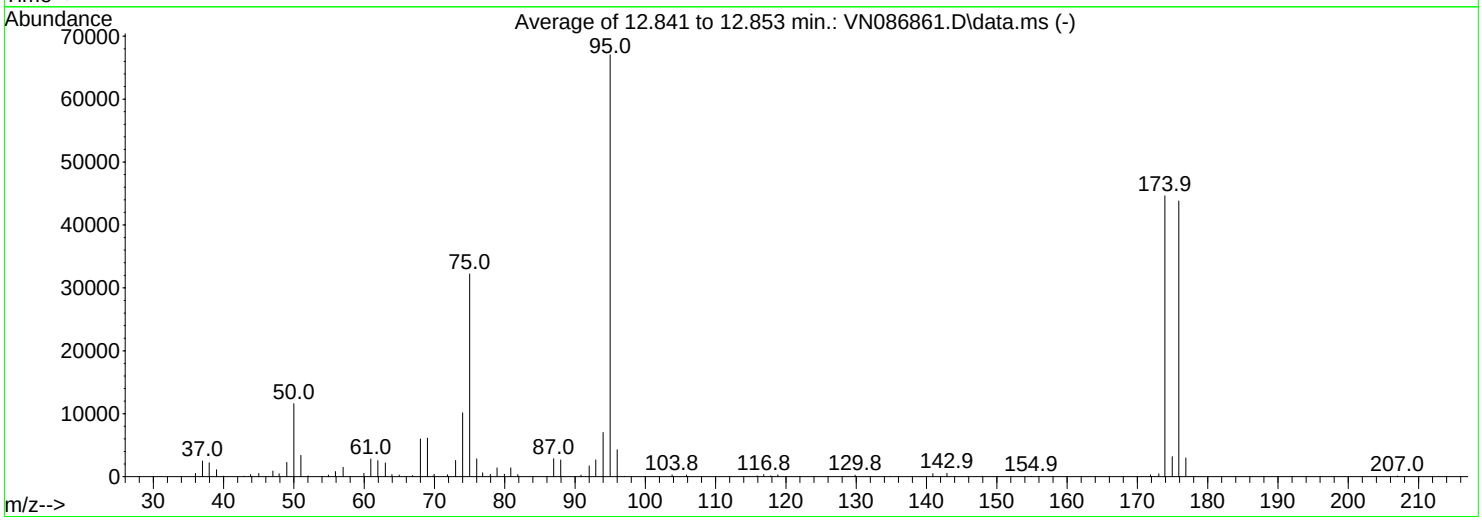
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

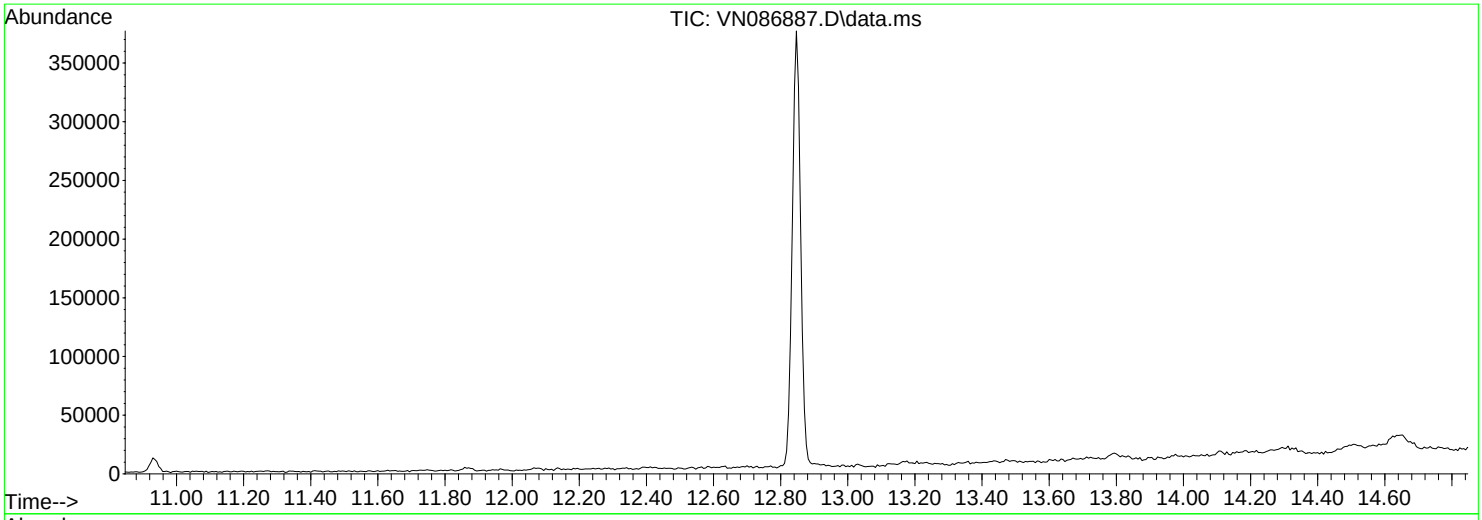
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

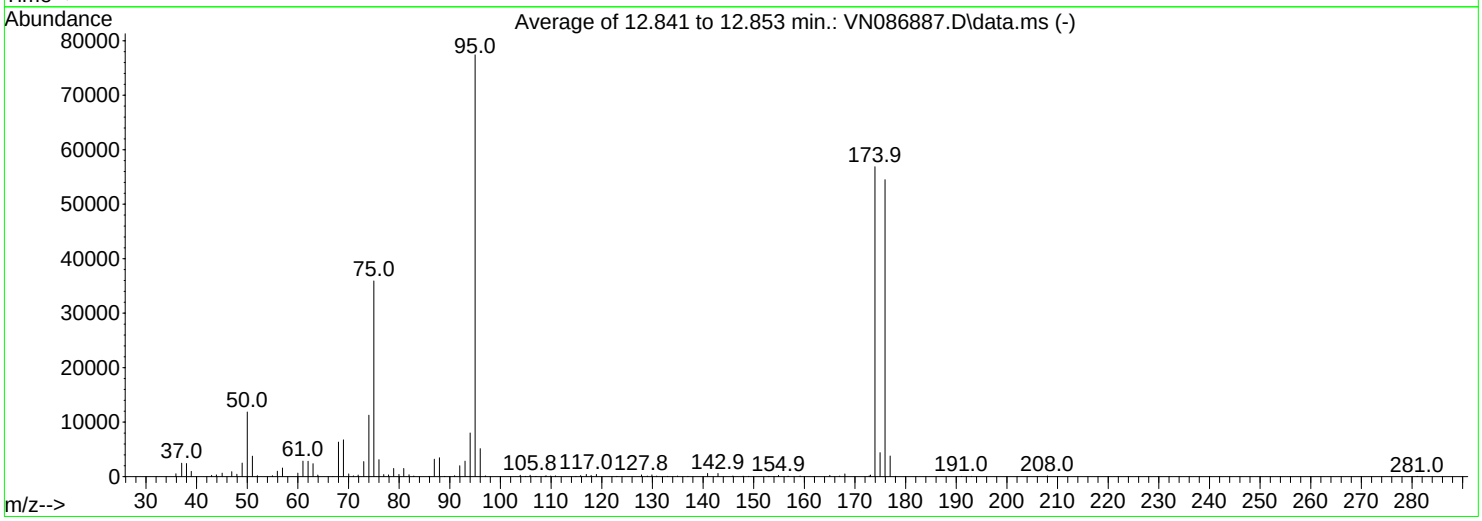
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086887.D
Acq On : 09 Jun 2025 08:04
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	11871	PASS
75	95	30	60	46.4	35931	PASS
95	95	100	100	100.0	77415	PASS
96	95	5	9	6.6	5148	PASS
173	174	0.00	2	0.5	309	PASS
174	95	50	100	73.5	56888	PASS
175	174	5	9	7.8	4421	PASS
176	174	95	101	95.8	54509	PASS
177	176	5	9	6.9	3785	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBL01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086890.D	1		06/09/25 09:33	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBL01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086890.D	1		06/09/25 09:33	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.8		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	390000	8.229				
540-36-3	1,4-Difluorobenzene	685000	9.106				
3114-55-4	Chlorobenzene-d5	592000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	288000	13.788				

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_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	390256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	591728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	288224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	223703	42.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.620%			
35) Dibromofluoromethane	8.177	113	194994	48.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	10.565	98	814952	50.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.847	95	291875	48.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.820%			

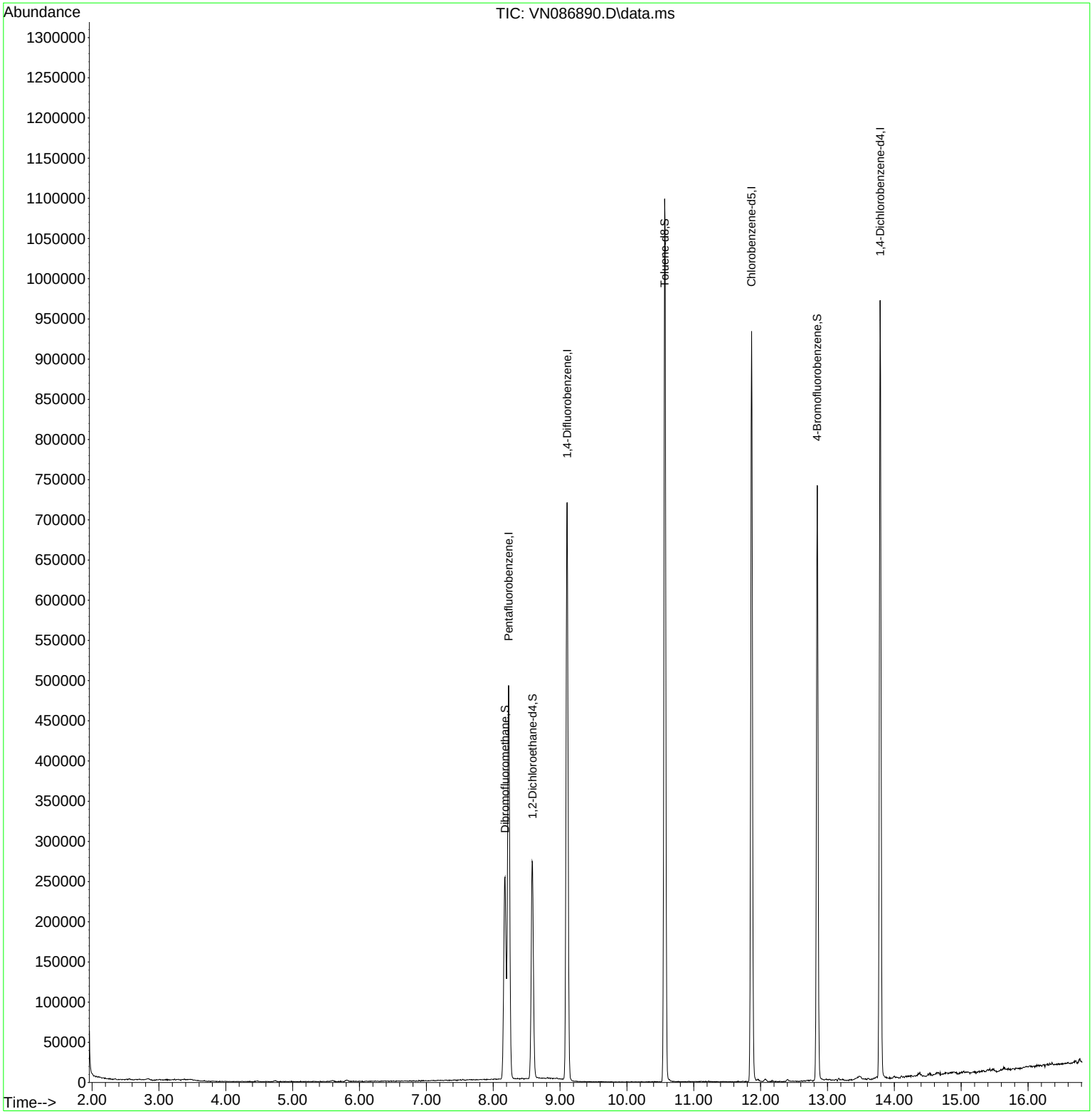
Target Compounds Qvalue

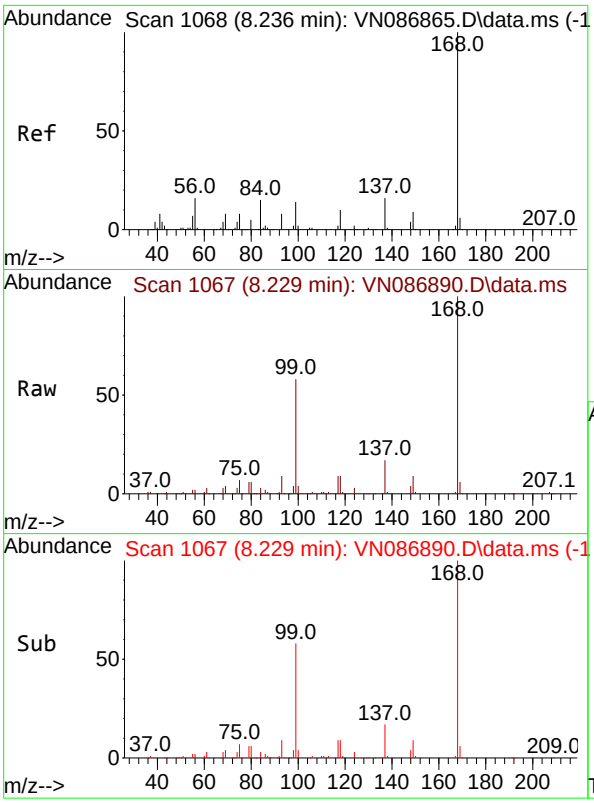
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



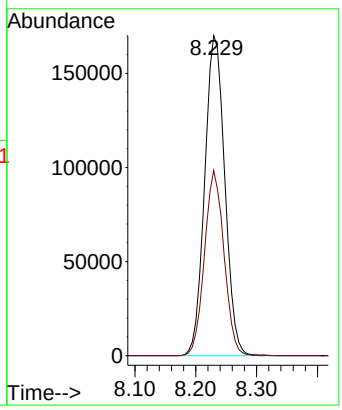


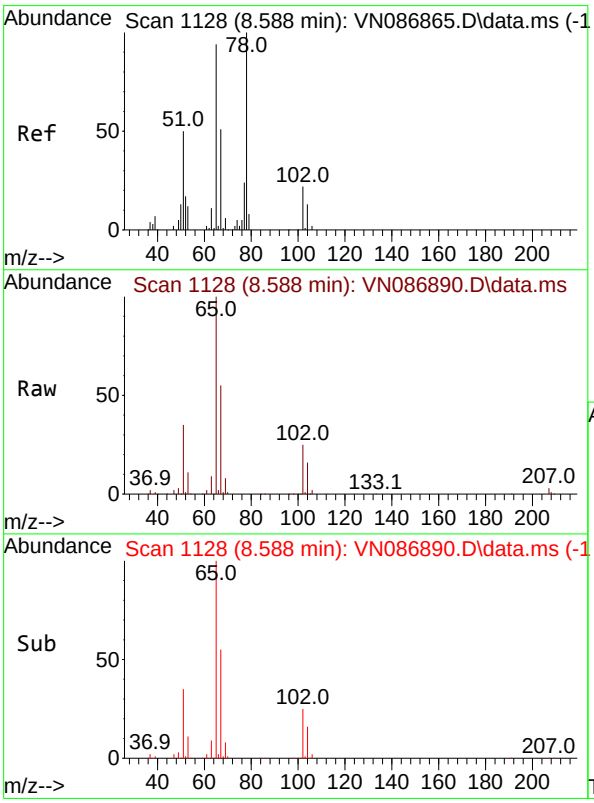
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:168 Resp: 390256

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

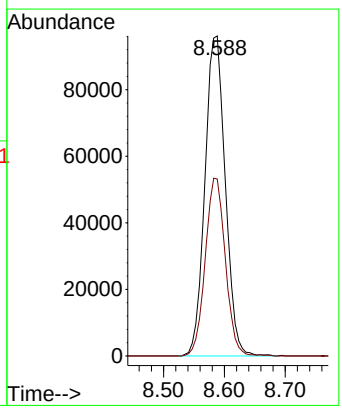


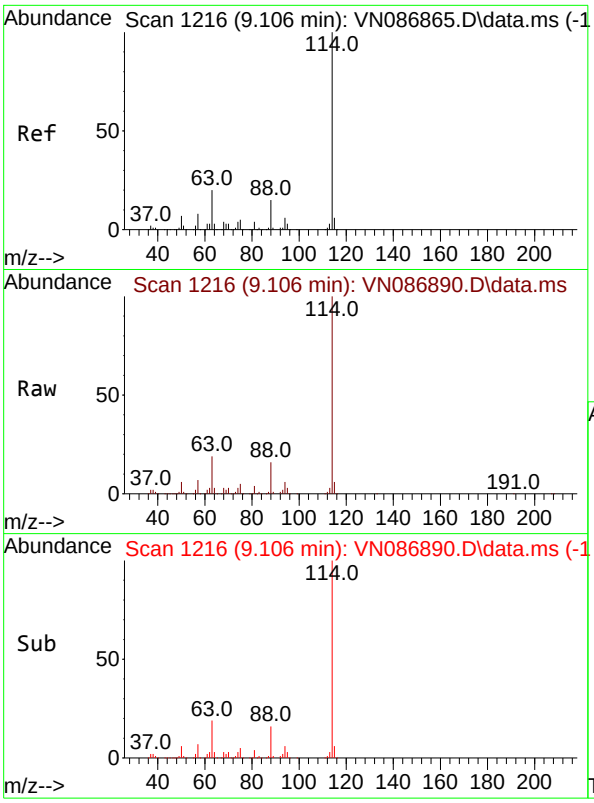


#33
1,2-Dichloroethane-d4
Concen: 42.813 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 65 Resp: 223703

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6



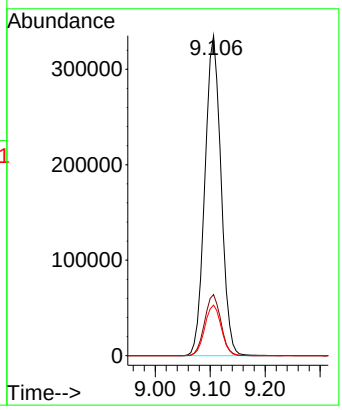


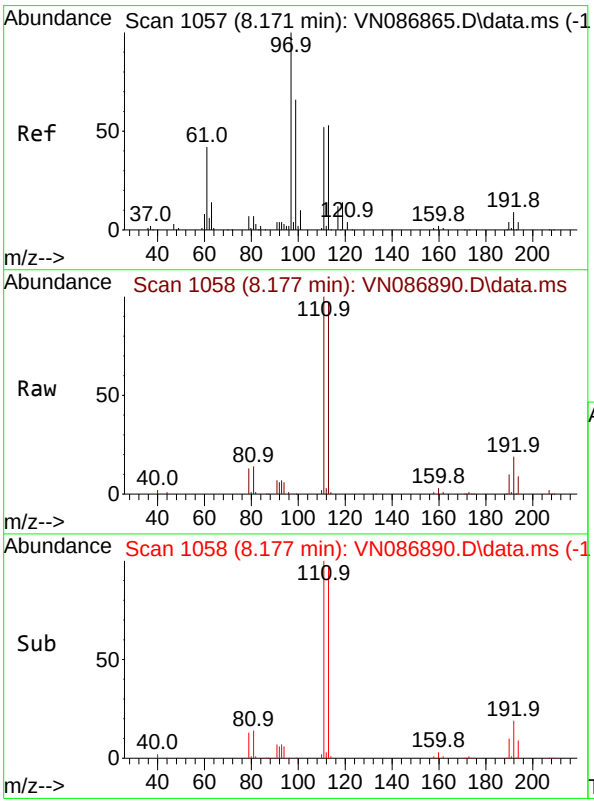
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:114 Resp: 684606

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.8	0.0	30.2

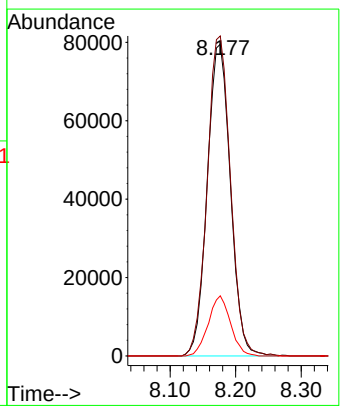


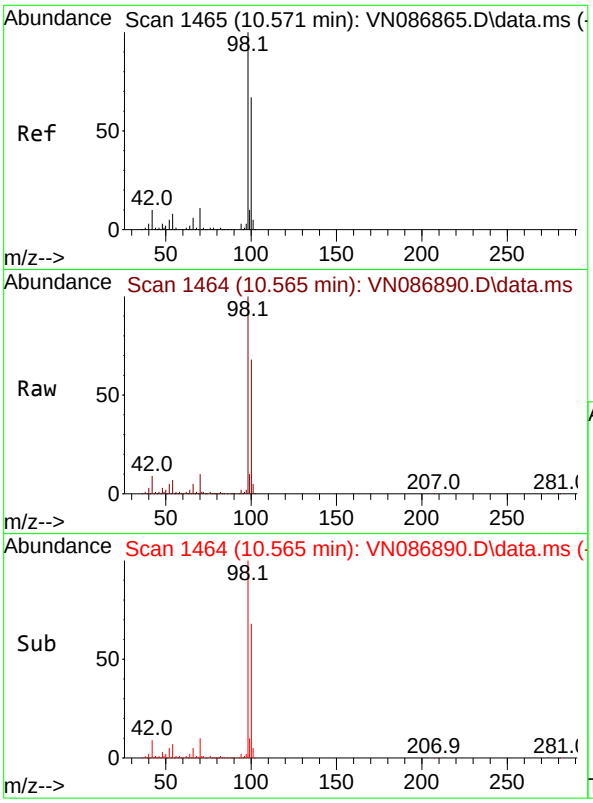


#35
Dibromofluoromethane
Concen: 48.062 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:113 Resp: 194994

Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.2	126.2
192	18.5	14.2	21.4



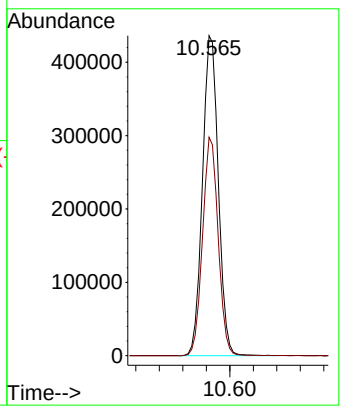


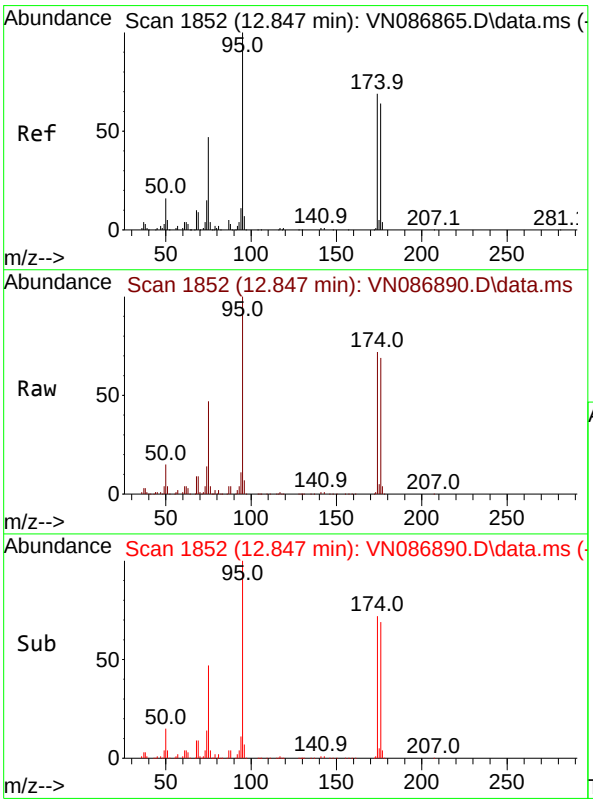
#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion: 98 Resp: 814952

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0

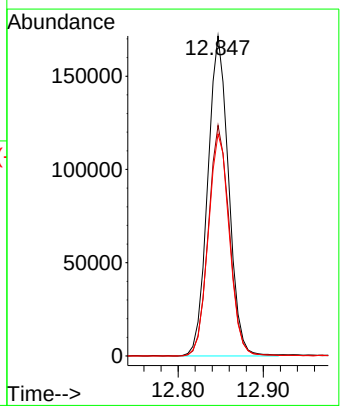


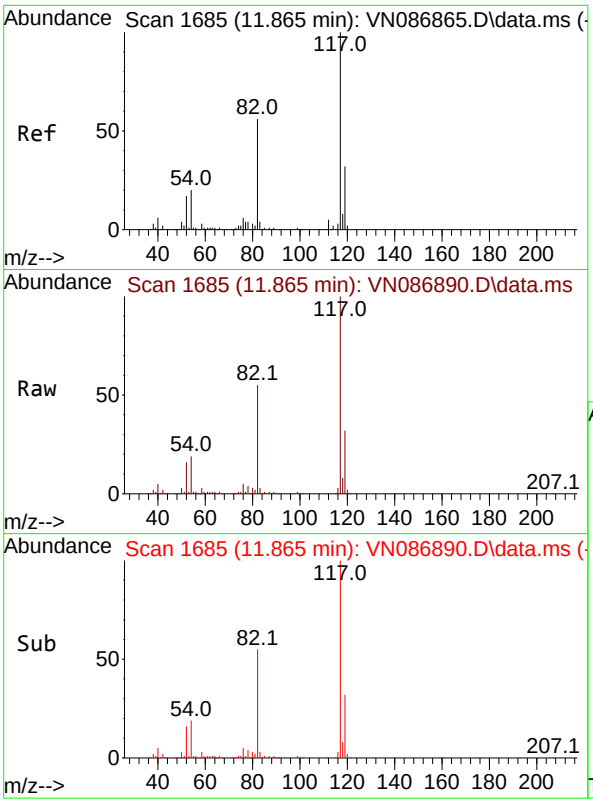


#62
4-Bromofluorobenzene
Concen: 48.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 95 Resp: 291875

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.8
176	70.2	0.0	132.6



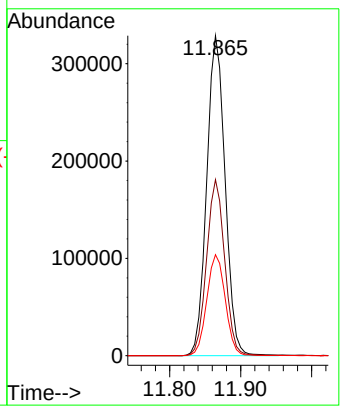


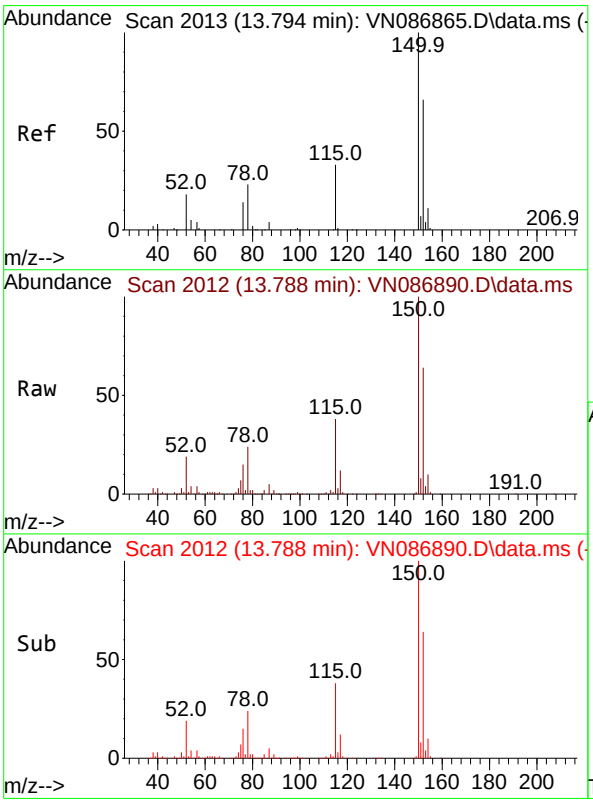
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:117 Resp: 591728

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	31.6	25.5	38.3

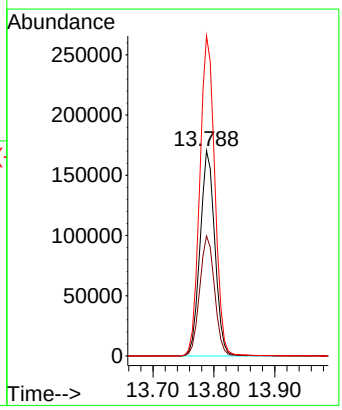




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:152 Resp: 288224

Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.1	90.5
150	158.0	0.0	345.0



Sample Results: **VN086890.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1047	1058	1062	rBV	251279	617708	30.17%	5.901%
2	8.229	1062	1067	1081	rVB	489455	1094112	53.44%	10.451%
3	8.582	1118	1127	1139	rBV	270544	627834	30.67%	5.997%
4	9.106	1206	1216	1231	rVB	719934	1496534	73.10%	14.296%
5	10.565	1456	1464	1475	rBV	1098602	2047271	100.00%	19.556%
6	11.865	1675	1685	1696	rBV	933968	1683711	82.24%	16.084%
7	12.847	1844	1852	1865	rBV	740445	1256866	61.39%	12.006%
8	13.788	2005	2012	2026	rBV	967085	1644475	80.33%	15.709%

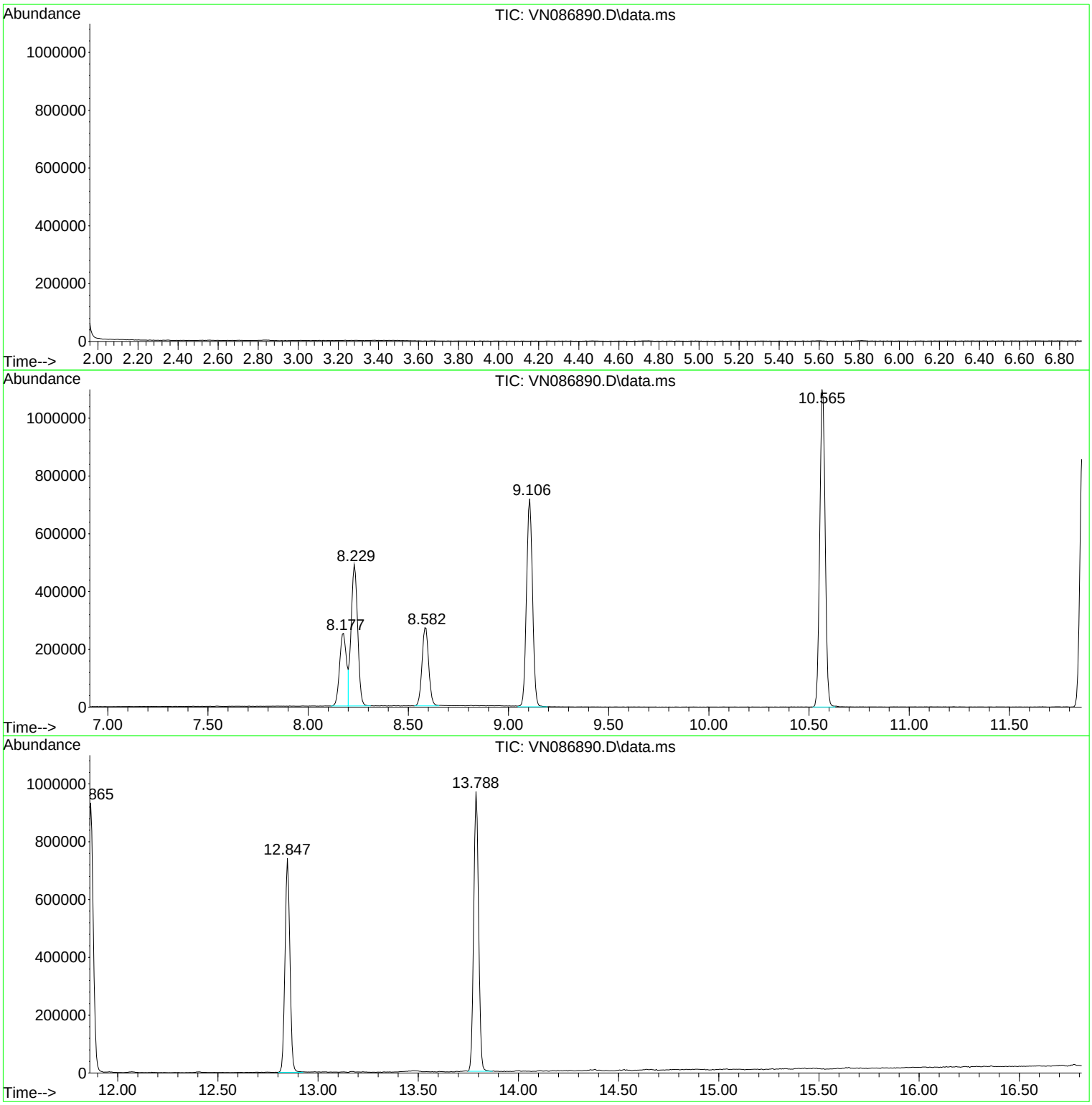
Sum of corrected areas: 10468511

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBS01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086893.D	1		06/09/25 10:50	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.3		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	98.2		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.1		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.2		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.9		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	22.5		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.0		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBS01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086893.D	1		06/09/25 10:50	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	22.8		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.9		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	23.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.4		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		80 - 119		117%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	267000	8.23				
540-36-3	1,4-Difluorobenzene	481000	9.106				
3114-55-4	Chlorobenzene-d5	422000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	202000	13.788				

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_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	266986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	481053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202389	56.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	8.177	113	166951	58.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.120%			
50) Toluene-d8	10.565	98	622867	55.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.380%			
62) 4-Bromofluorobenzene	12.847	95	233615	55.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	51523	19.355	ug/l	100
3) Chloromethane	2.395	50	57302	16.670	ug/l	98
4) Vinyl Chloride	2.554	62	64913	18.306	ug/l	96
5) Bromomethane	2.995	94	41012	20.668	ug/l	100
6) Chloroethane	3.159	64	44644	19.491	ug/l	99
7) Trichlorofluoromethane	3.530	101	89135	19.239	ug/l	99
8) Diethyl Ether	3.983	74	46365	22.969	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	55767	19.159	ug/l	96
10) Methyl Iodide	4.612	142	67793	17.967	ug/l	95
11) Tert butyl alcohol	5.536	59	102670	105.851	ug/l	98
12) 1,1-Dichloroethene	4.365	96	59847	20.139	ug/l	93
13) Acrolein	4.200	56	29042	94.593	ug/l	99
14) Allyl chloride	5.048	41	88856	18.030	ug/l	97
15) Acrylonitrile	5.736	53	249150	109.898	ug/l	99
16) Acetone	4.448	43	186059	98.150	ug/l	99
17) Carbon Disulfide	4.736	76	147605	17.957	ug/l	99
18) Methyl Acetate	5.042	43	119428	21.619	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	246789	22.937	ug/l	99
20) Methylene Chloride	5.295	84	72770	20.504	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	64982	19.655	ug/l	93
22) Diisopropyl ether	6.683	45	213617	20.563	ug/l	97
23) Vinyl Acetate	6.618	43	935448	106.579	ug/l	97
24) 1,1-Dichloroethane	6.583	63	118296	19.787	ug/l	98
25) 2-Butanone	7.489	43	315151	102.277	ug/l	98
26) 2,2-Dichloropropane	7.500	77	97539	20.974	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	83955	21.233	ug/l	96
28) Bromochloromethane	7.824	49	63228	21.510	ug/l	91
29) Tetrahydrofuran	7.847	42	210156	104.697	ug/l	94
30) Chloroform	7.977	83	119528	20.020	ug/l	100
31) Cyclohexane	8.265	56	99106	17.094	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	98672	19.432	ug/l	93
36) 1,1-Dichloropropene	8.377	75	82550	19.433	ug/l	99
37) Ethyl Acetate	7.571	43	118150	21.848	ug/l	98
38) Carbon Tetrachloride	8.365	117	80592	19.324	ug/l	96
39) Methylcyclohexane	9.606	83	99387	17.077	ug/l	96
40) Benzene	8.612	78	281242	20.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	63106	20.779	ug/l		93
42) 1,2-Dichloroethane	8.677	62	89967	21.353	ug/l		98
43) Isopropyl Acetate	8.694	43	184375	21.243	ug/l		96
44) Trichloroethene	9.353	130	68709	20.860	ug/l		94
45) 1,2-Dichloropropane	9.624	63	70359	20.819	ug/l		97
46) Dibromomethane	9.712	93	50518	22.505	ug/l		97
47) Bromodichloromethane	9.888	83	97765	21.168	ug/l		94
48) Methyl methacrylate	9.682	41	82557	20.666	ug/l		94
49) 1,4-Dioxane	9.700	88	34752	478.183	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	573654	109.788	ug/l		97
52) Toluene	10.629	92	186254	21.940	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	116115	22.484	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	121569	22.000	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	74365	22.766	ug/l		95
56) Ethyl methacrylate	10.882	69	125687	24.158	ug/l		93
57) 1,3-Dichloropropane	11.165	76	125890	22.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	349023	112.472	ug/l		97
59) 2-Hexanone	11.200	43	368271	109.420	ug/l		91
60) Dibromochloromethane	11.359	129	77533	22.781	ug/l		100
61) 1,2-Dibromoethane	11.471	107	76919	22.974	ug/l		98
64) Tetrachloroethene	11.106	164	52176	19.514	ug/l		97
65) Chlorobenzene	11.888	112	195119	20.940	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	65205	21.769	ug/l		98
67) Ethyl Benzene	11.965	91	317590	19.787	ug/l		99
68) m/p-Xylenes	12.071	106	251284	40.899	ug/l		97
69) o-Xylene	12.394	106	122737	20.858	ug/l		99
70) Styrene	12.412	104	213765	21.229	ug/l		99
71) Bromoform	12.582	173	52554	23.680	ug/l	#	99
73) Isopropylbenzene	12.694	105	293400	19.921	ug/l		99
74) N-amyl acetate	12.523	43	117821	22.893	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	116789	23.407	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	82055m	17.075	ug/l		
77) Bromobenzene	12.976	156	76143	22.543	ug/l		100
78) n-propylbenzene	13.035	91	346865	19.379	ug/l		99
79) 2-Chlorotoluene	13.123	91	216311	20.152	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	244158	20.079	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	51065	24.461	ug/l		90
82) 4-Chlorotoluene	13.218	91	219687	20.227	ug/l		98
83) tert-Butylbenzene	13.435	119	221806	19.927	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	248941	20.416	ug/l		100
85) sec-Butylbenzene	13.612	105	303760	18.792	ug/l		99
86) p-Isopropyltoluene	13.729	119	259754	19.440	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	140762	21.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	143075	21.117	ug/l		100
89) n-Butylbenzene	14.053	91	235600	18.204	ug/l		99
90) Hexachloroethane	14.329	117	42184	18.625	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	136855	21.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26513	22.219	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	79356	19.464	ug/l		99
94) Hexachlorobutadiene	15.494	225	27017	17.787	ug/l		99
95) Naphthalene	15.635	128	327594	21.587	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	77458	19.122	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

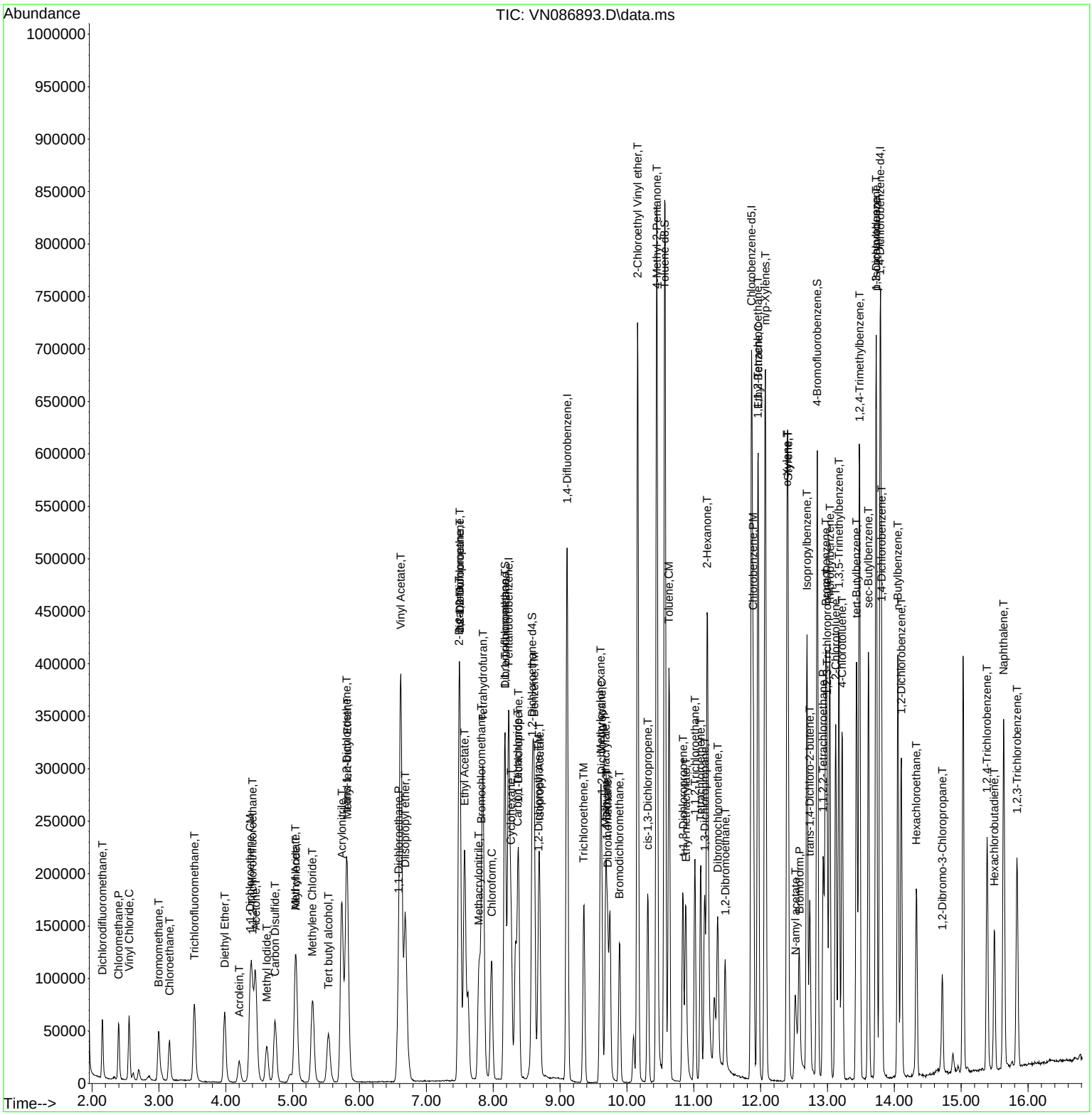
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Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

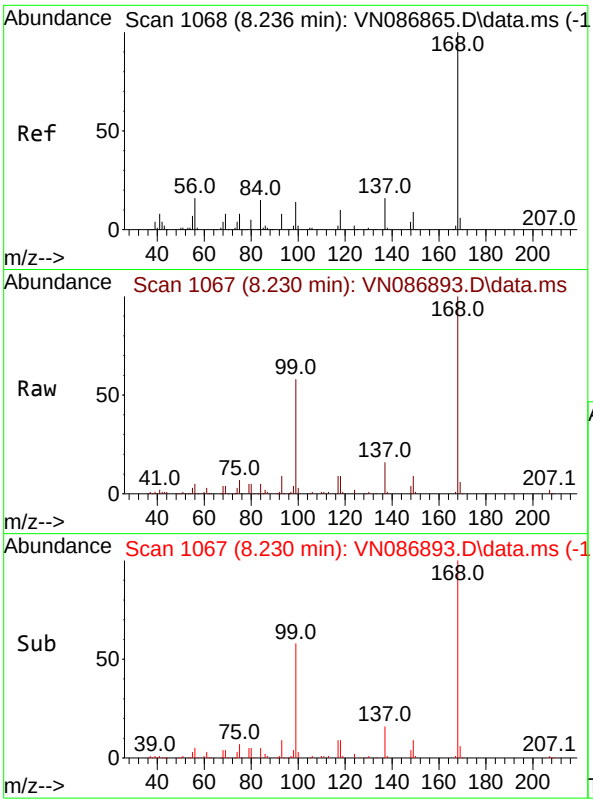
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

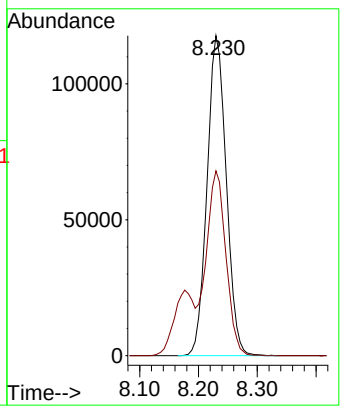




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:168 Resp: 26698

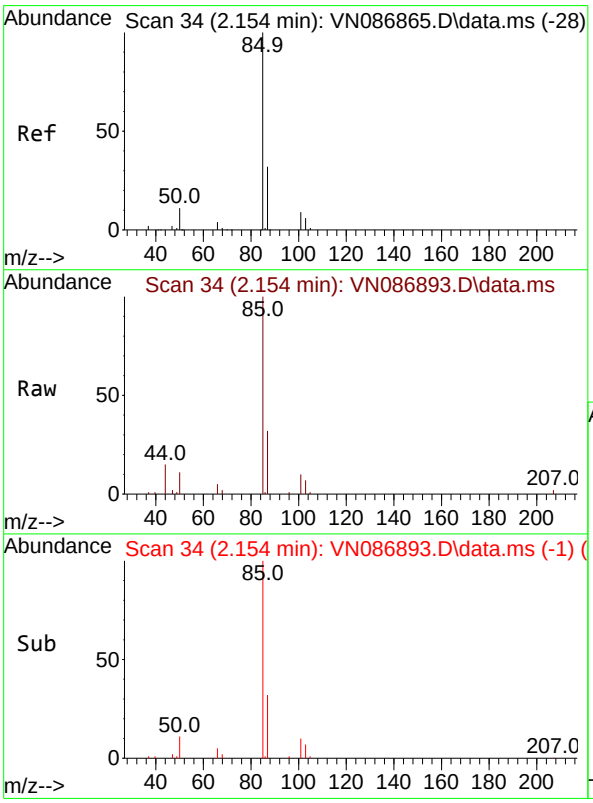
Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

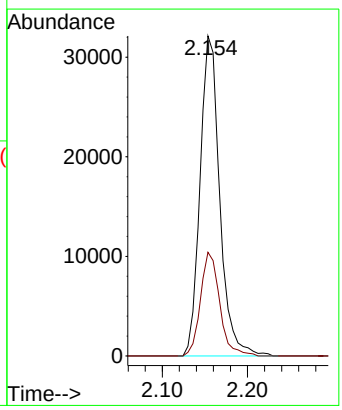
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

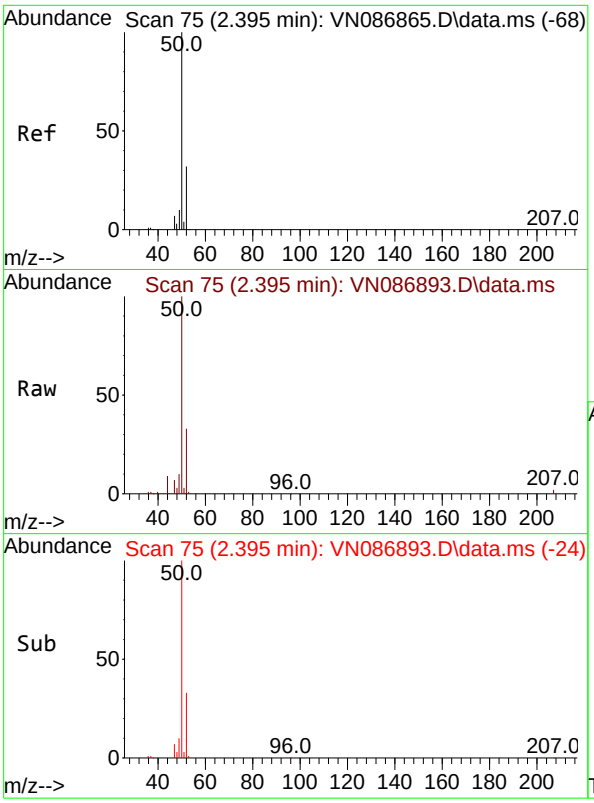


#2
Dichlorodifluoromethane
Concen: 19.355 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 85 Resp: 51523

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6

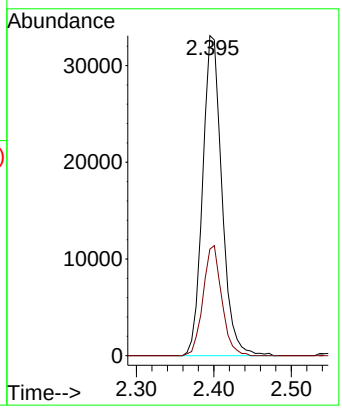




#3
Chloromethane
Concen: 16.670 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 50 Resp: 5730

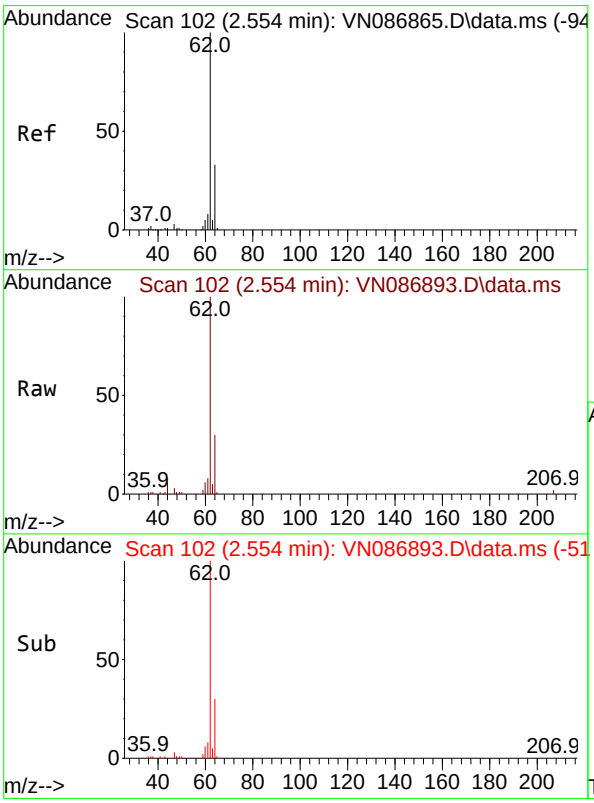
Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

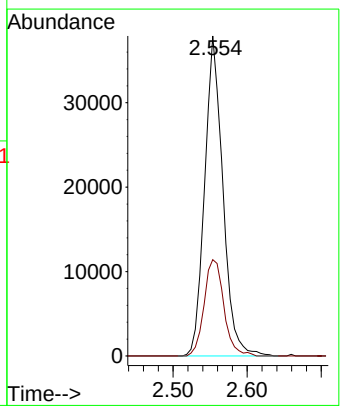
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

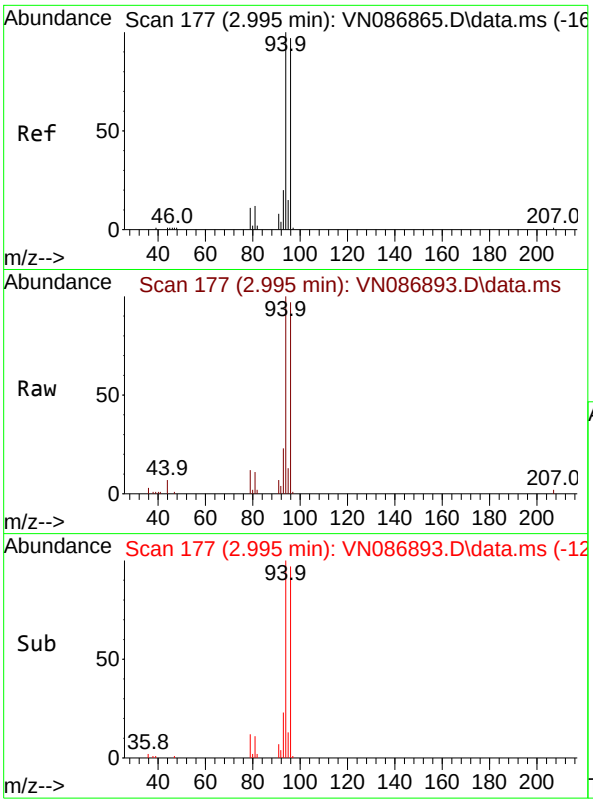


#4
Vinyl Chloride
Concen: 18.306 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 62 Resp: 64913

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.0	39.0

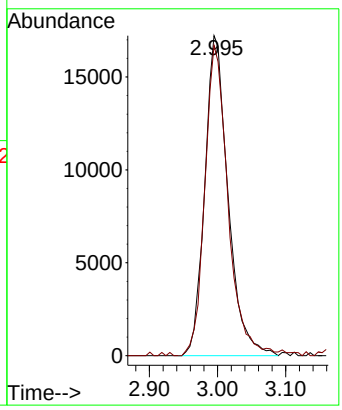




#5
Bromomethane
Concen: 20.668 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 94 Resp: 4101

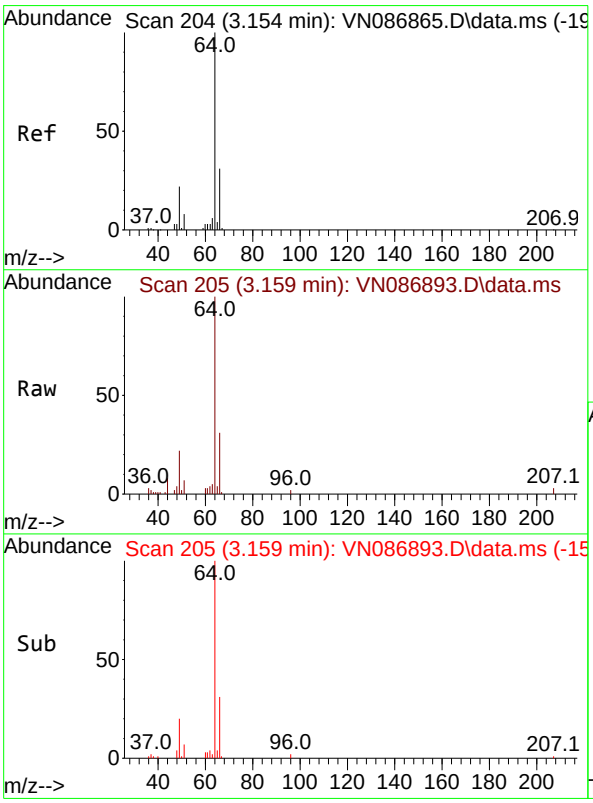
Ion	Ratio	Lower	Upper
94	100		
96	96.9	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

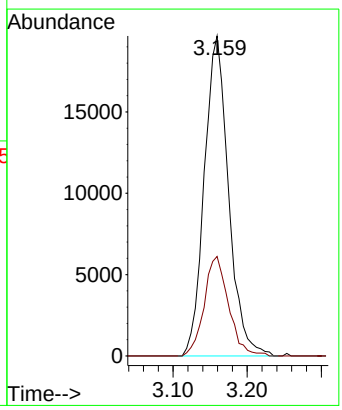
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

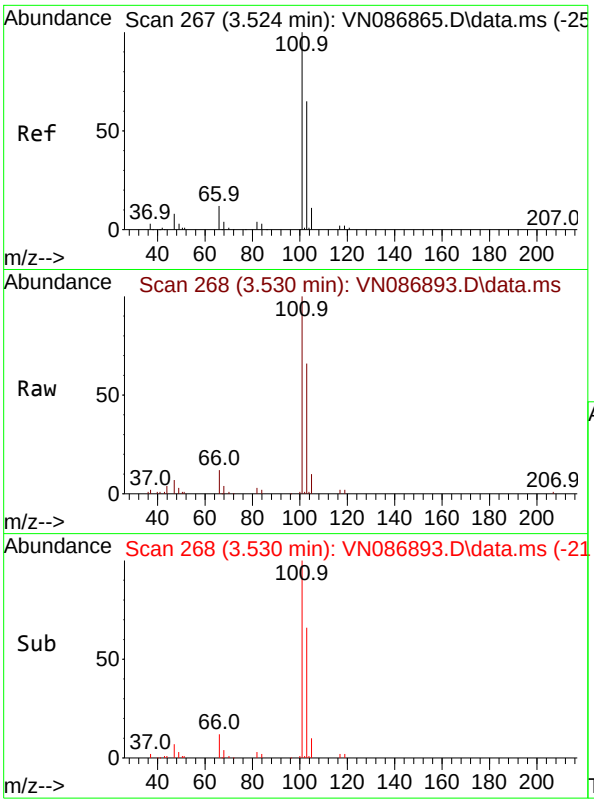


#6
Chloroethane
Concen: 19.491 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 64 Resp: 44644

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8

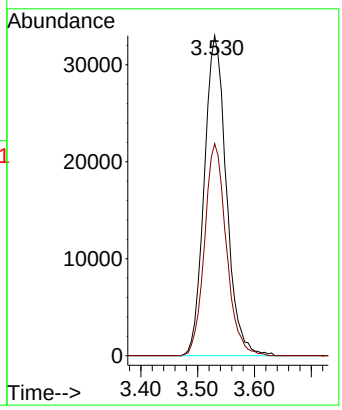




#7
Trichlorofluoromethane
Concen: 19.239 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:101 Resp: 8913

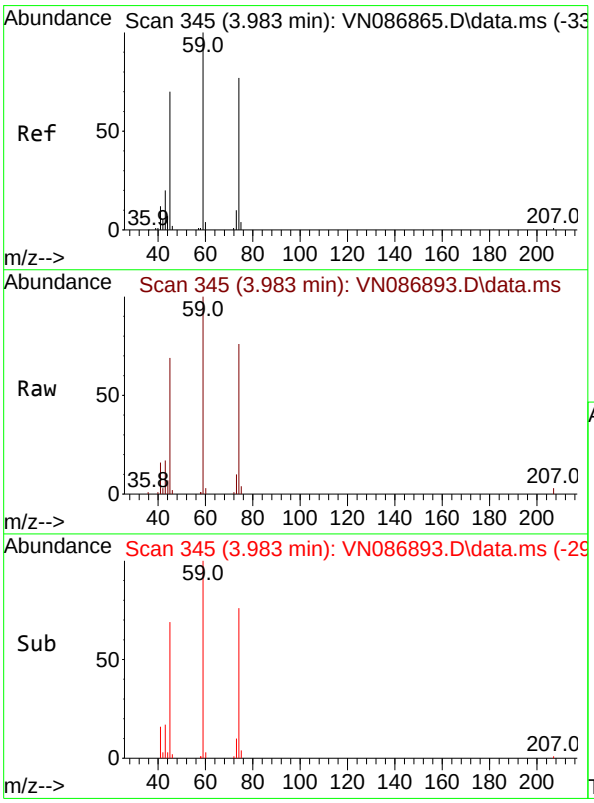
Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

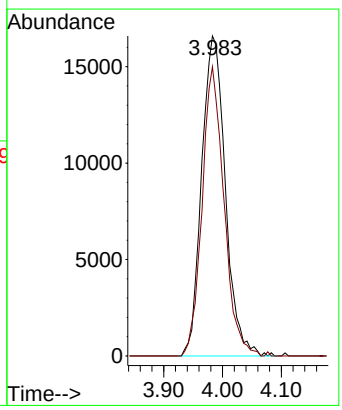
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

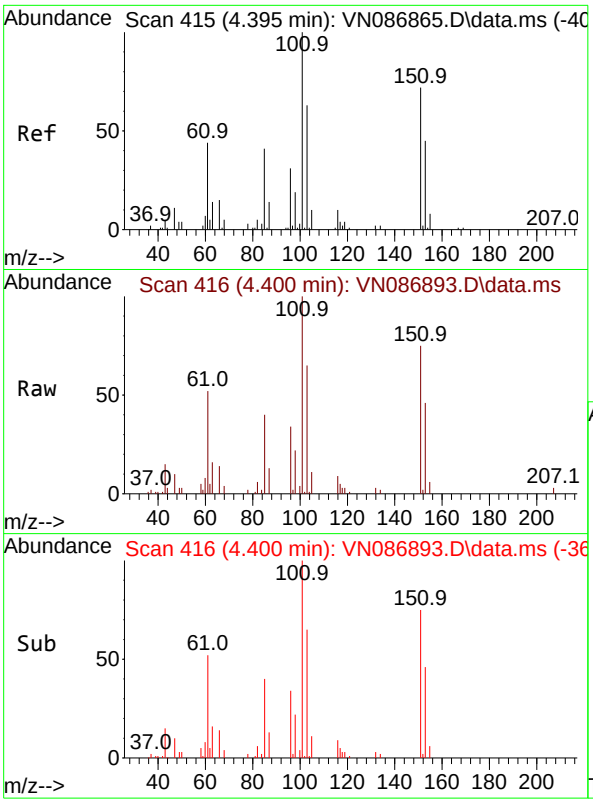


#8
Diethyl Ether
Concen: 22.969 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 74 Resp: 46365

Ion	Ratio	Lower	Upper
74	100		
45	83.5	45.5	136.5

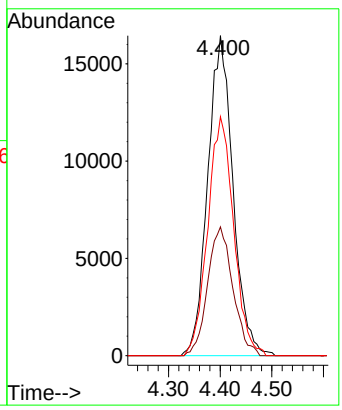




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.159 ug/l
RT: 4.400 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:101 Resp: 5576

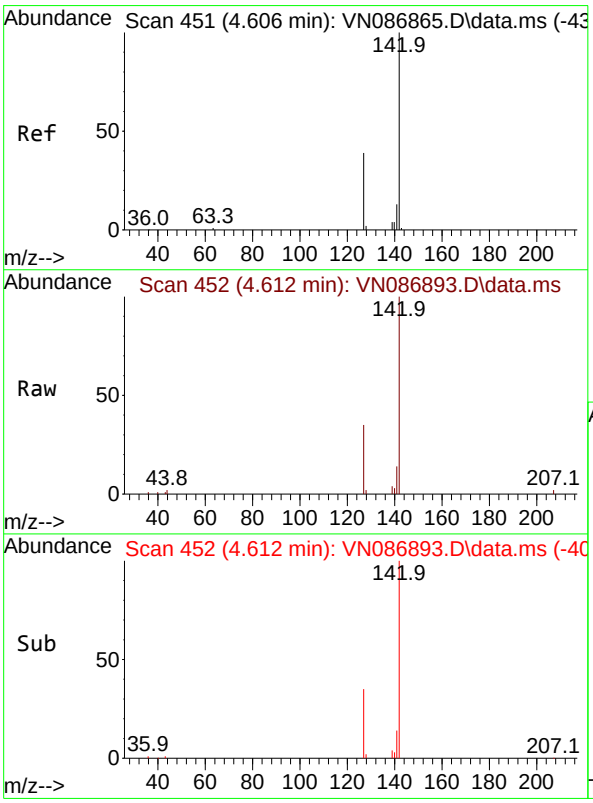
Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.8	50.8
151	76.7	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

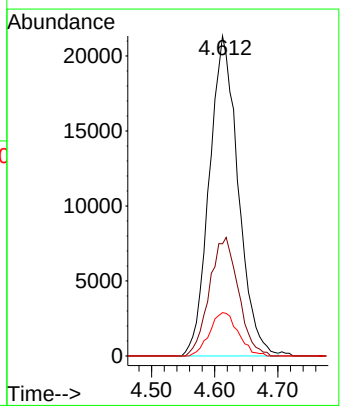
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

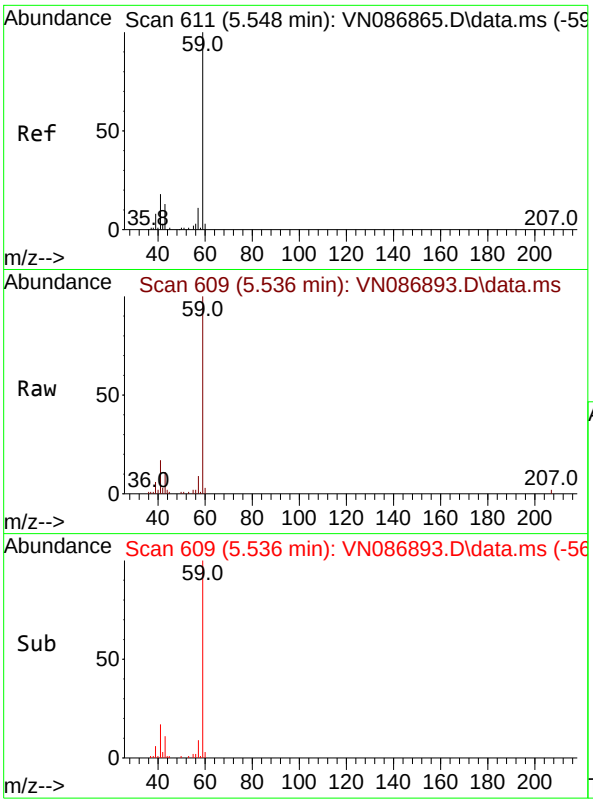


#10
Methyl Iodide
Concen: 17.967 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:142 Resp: 67793

Ion	Ratio	Lower	Upper
142	100		
127	35.0	30.9	46.3
141	13.5	10.4	15.6

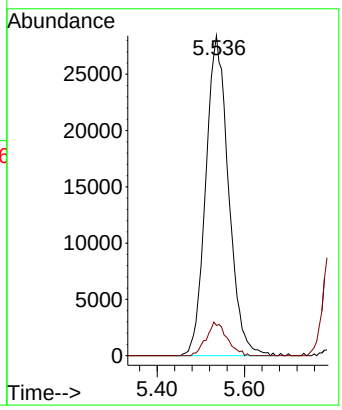




#11
Tert butyl alcohol
Concen: 105.851 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 59 Resp: 10267

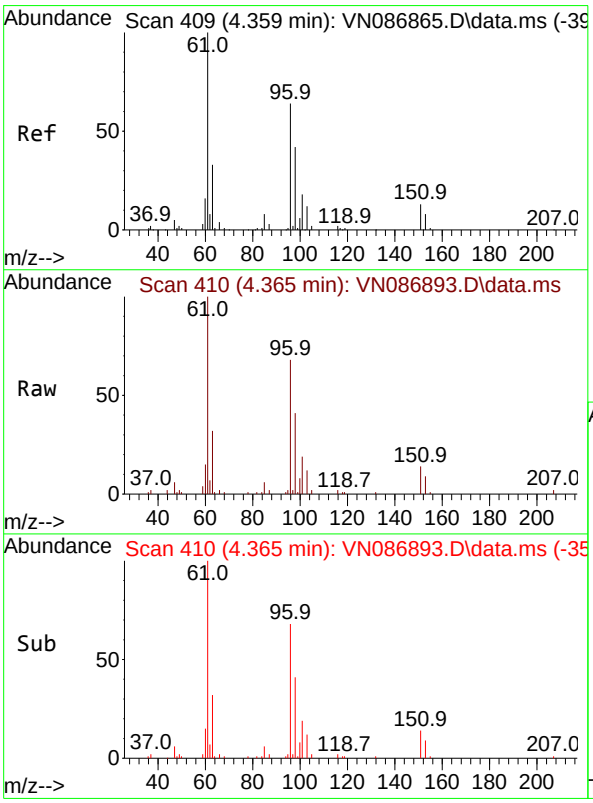
Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

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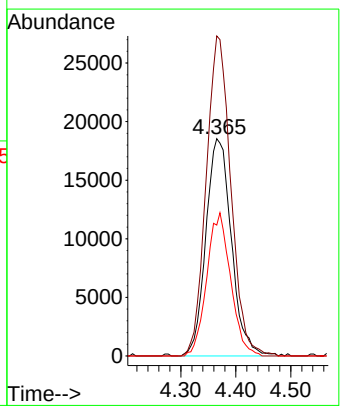
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

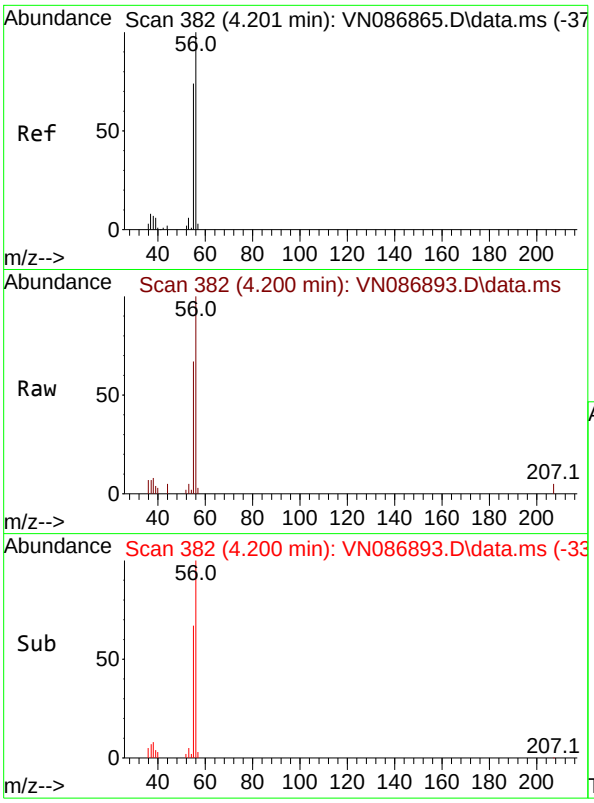


#12
1,1-Dichloroethene
Concen: 20.139 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 96 Resp: 59847

Ion	Ratio	Lower	Upper
96	100		
61	147.3	125.8	188.6
98	60.2	52.5	78.7

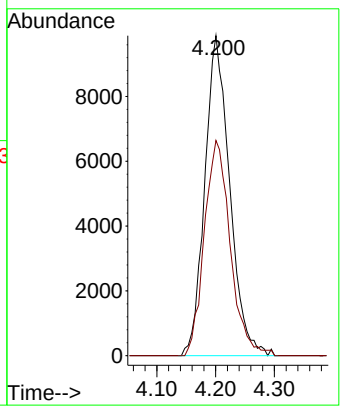




#13
Acrolein
Concen: 94.593 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 56 Resp: 2904

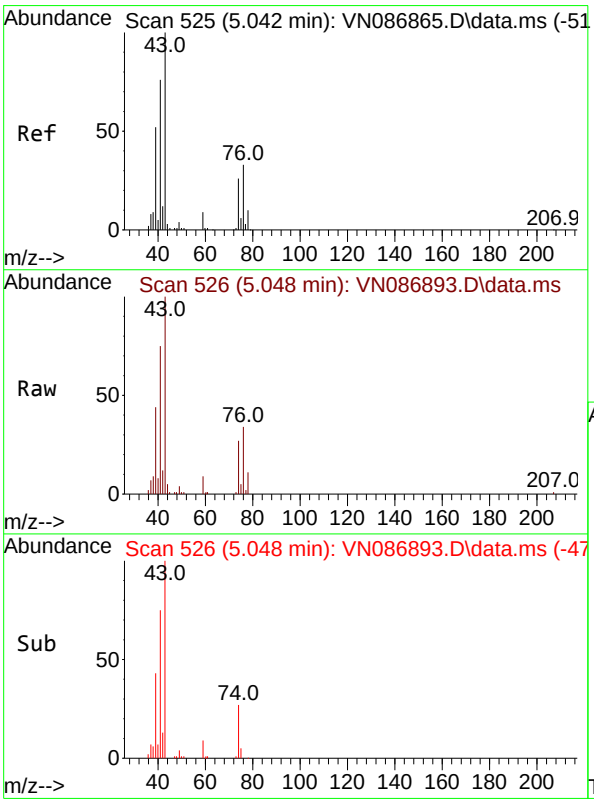
Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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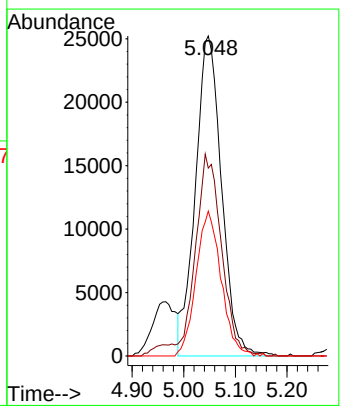
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

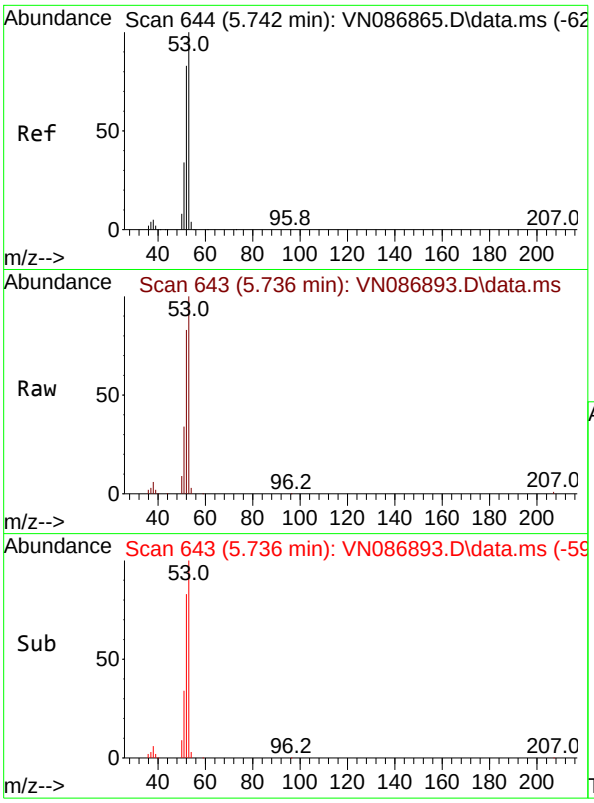


#14
Allyl chloride
Concen: 18.030 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 41 Resp: 88856

Ion	Ratio	Lower	Upper
41	100		
39	65.3	51.3	76.9
76	43.2	31.4	47.0

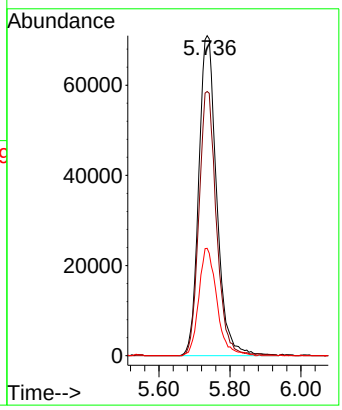




#15
Acrylonitrile
Concen: 109.898 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 53 Resp: 24915

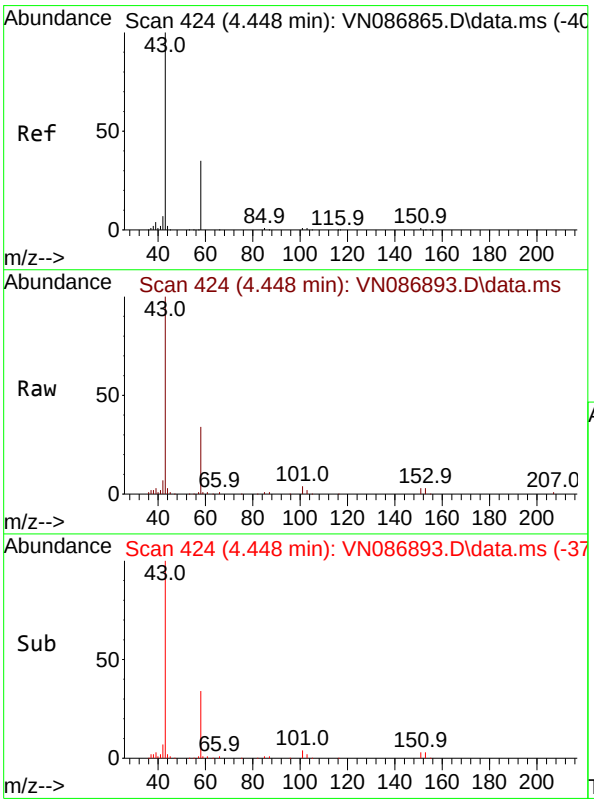
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	34.0	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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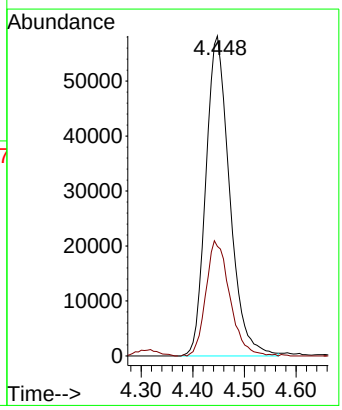
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

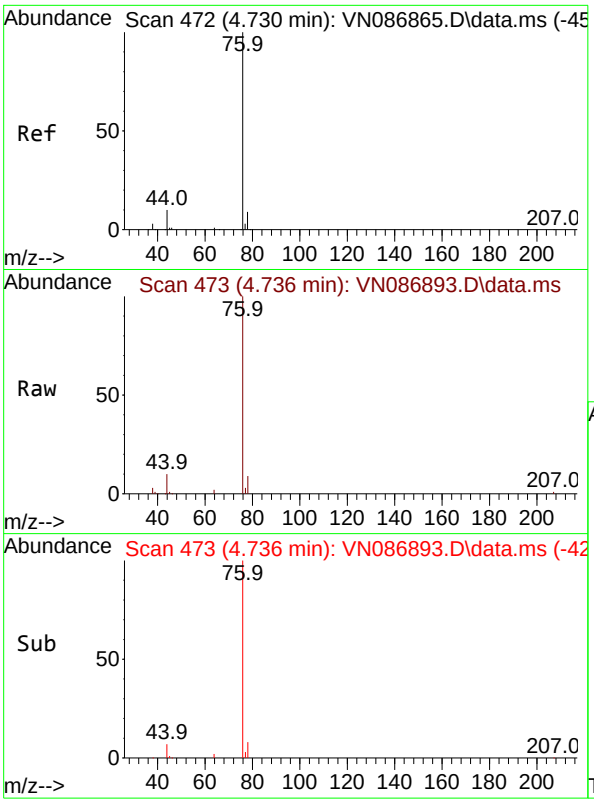


#16
Acetone
Concen: 98.150 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 186059

Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.0	42.0

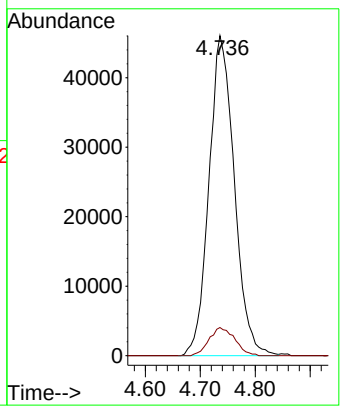




#17
Carbon Disulfide
Concen: 17.957 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 76 Resp: 14760

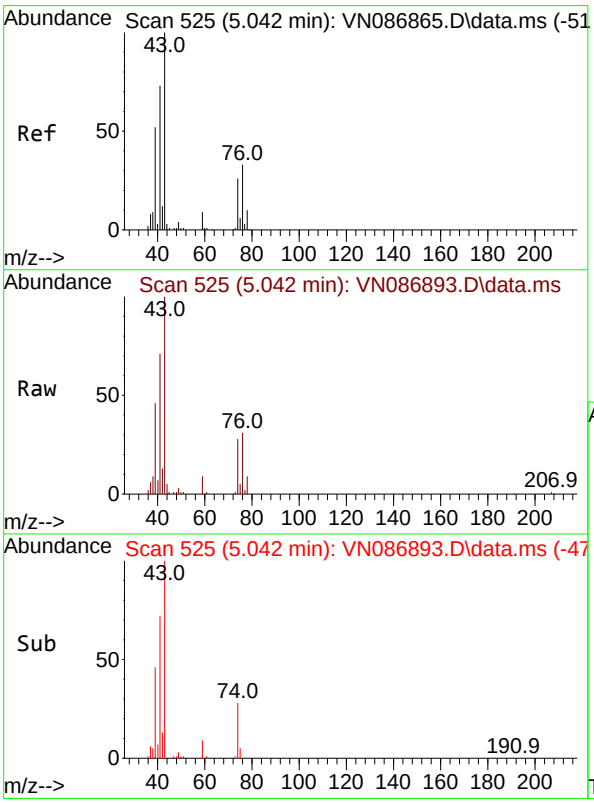
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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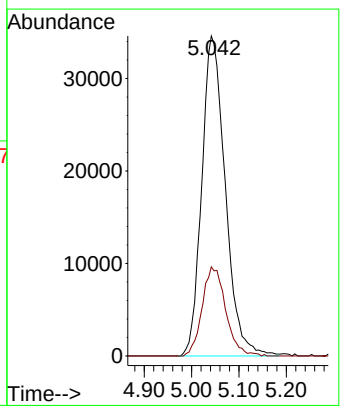
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

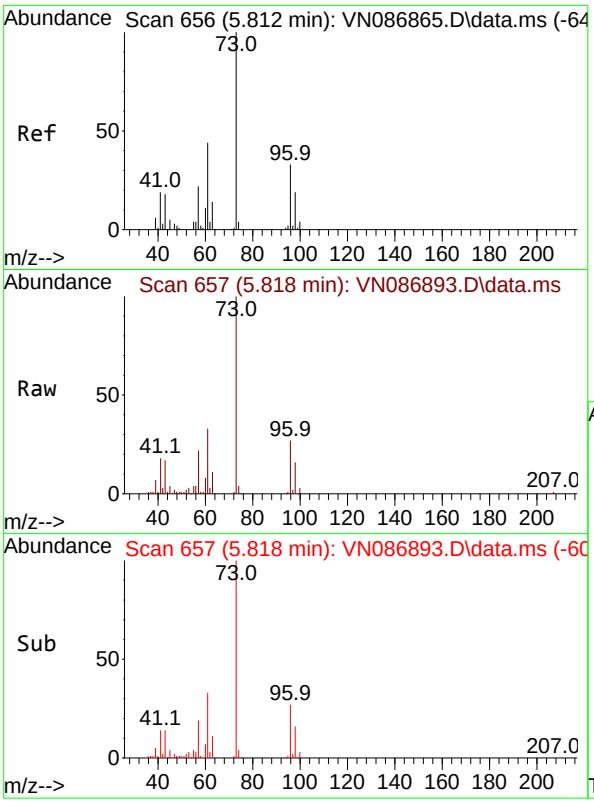


#18
Methyl Acetate
Concen: 21.619 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 119428

Ion	Ratio	Lower	Upper
43	100		
74	27.8	20.7	31.1

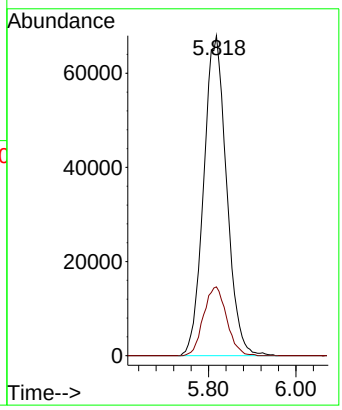




#19
Methyl tert-butyl Ether
Concen: 22.937 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 73 Resp: 24678

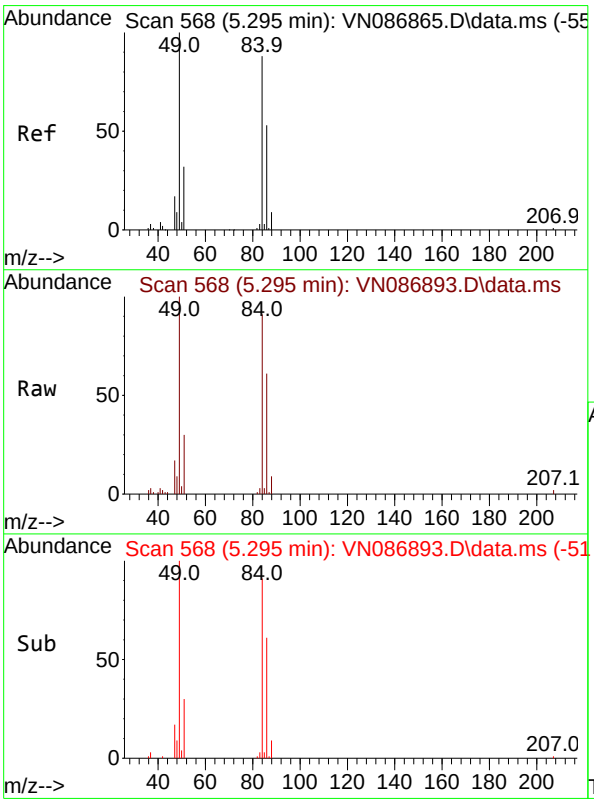
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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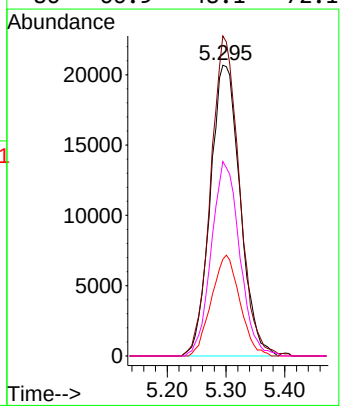
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

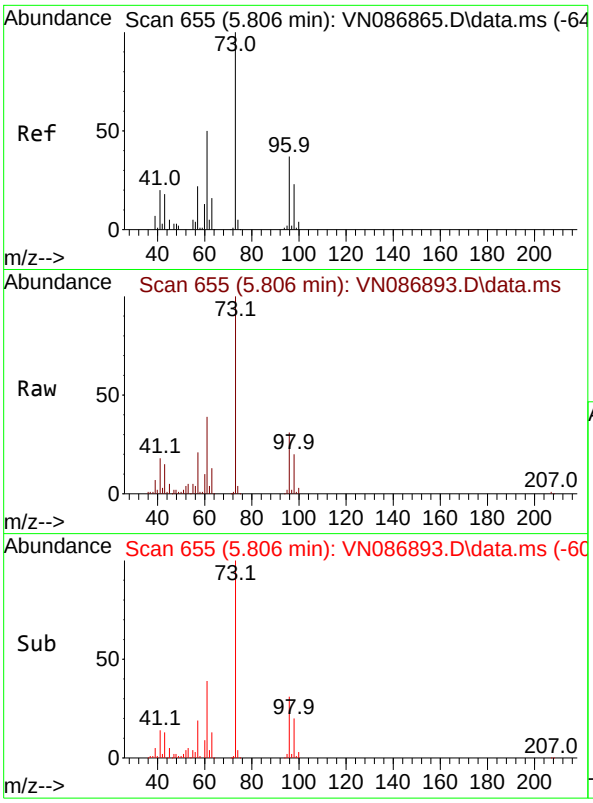


#20
Methylene Chloride
Concen: 20.504 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 84 Resp: 72770

Ion	Ratio	Lower	Upper
84	100		
49	110.1	90.5	135.7
51	33.2	28.5	42.7
86	66.9	48.1	72.1





#21
trans-1,2-Dichloroethene
Concen: 19.655 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

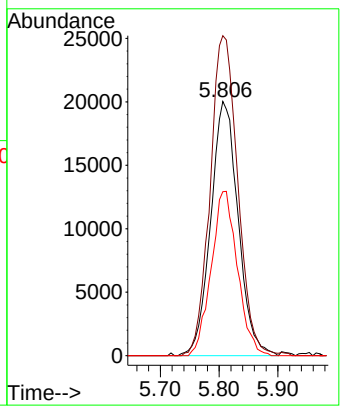
Tgt Ion: 96 Resp: 6498

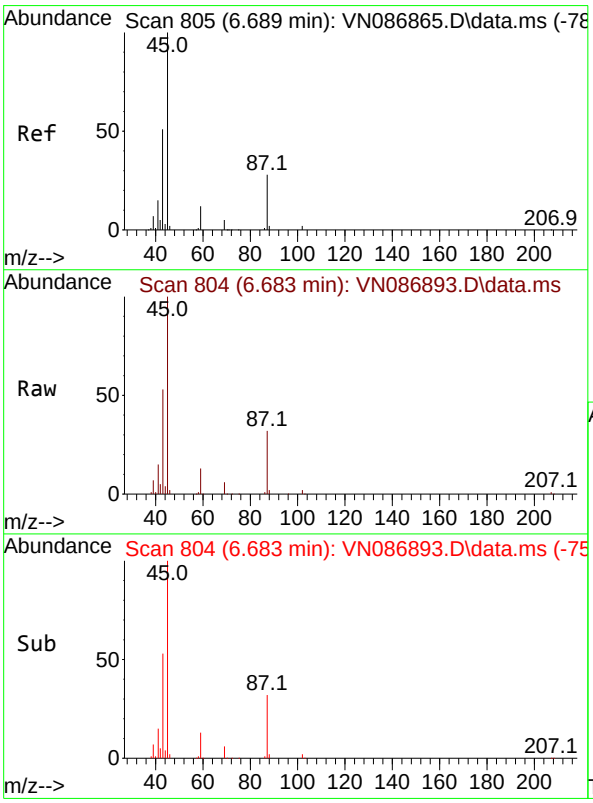
Ion	Ratio	Lower	Upper
96	100		
61	125.9	109.2	163.8
98	64.5	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

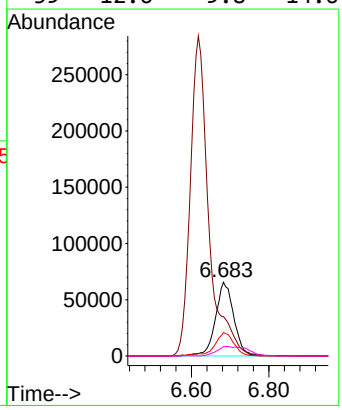


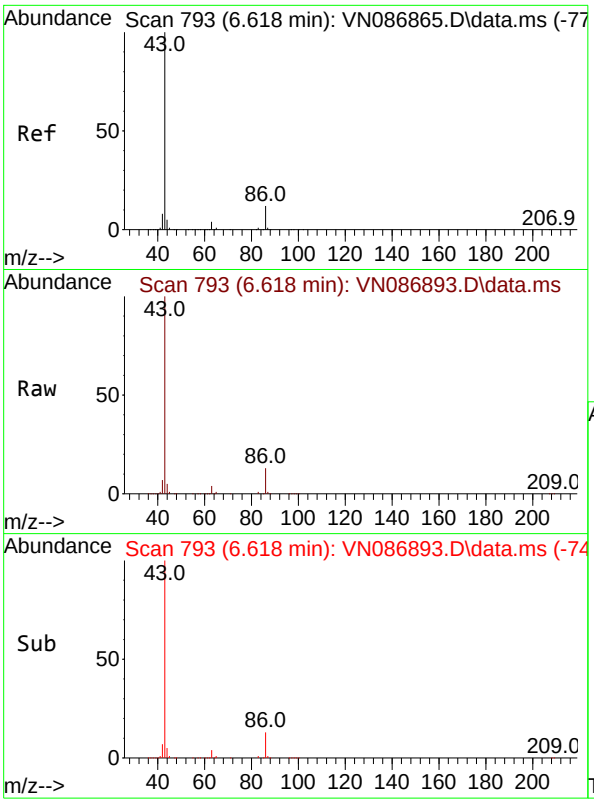


#22
Diisopropyl ether
Concen: 20.563 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 45 Resp: 213617

Ion	Ratio	Lower	Upper
45	100		
43	52.9	41.9	62.9
87	31.7	22.4	33.6
59	12.6	9.8	14.6





#23
Vinyl Acetate
Concen: 106.579 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

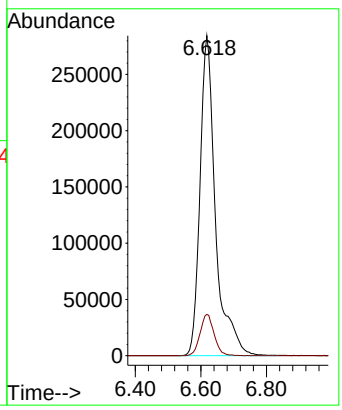
Tgt Ion: 43 Resp: 93544

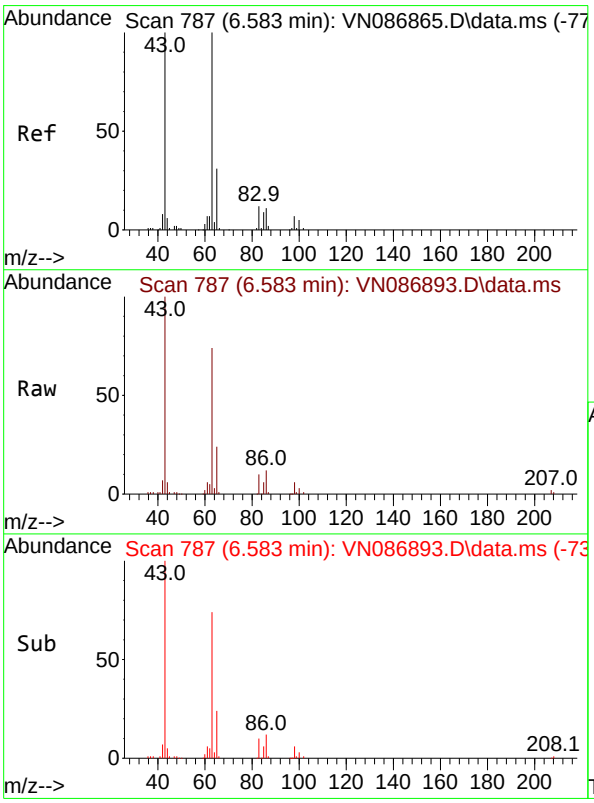
Ion	Ratio	Lower	Upper
43	100		
86	12.9	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

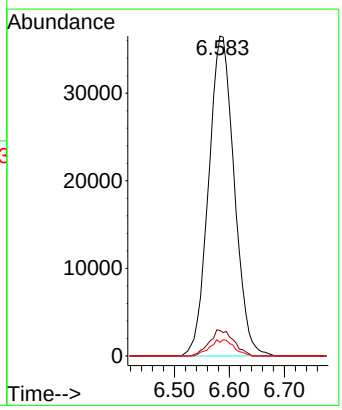


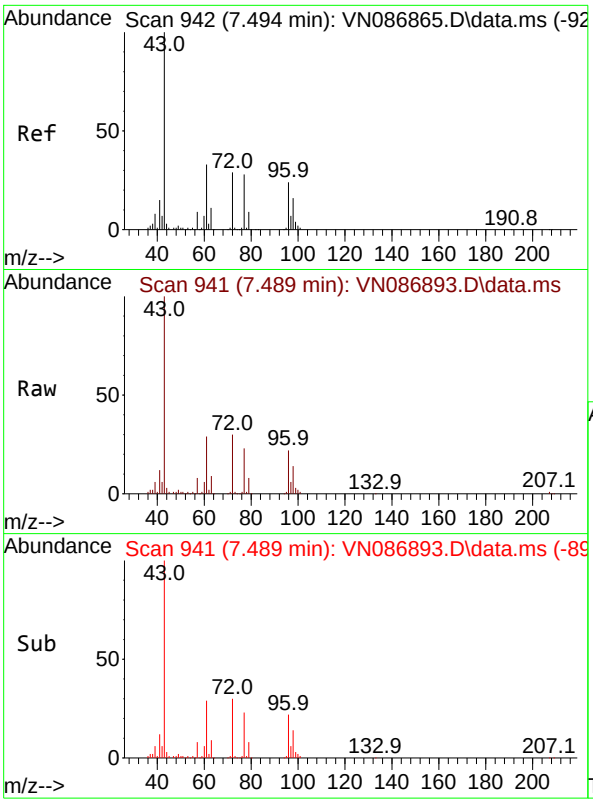


#24
1,1-Dichloroethane
Concen: 19.787 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 63 Resp: 118296

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.6	10.8
100	4.3	2.6	7.8





#25
2-Butanone
Concen: 102.277 ug/l
RT: 7.489 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

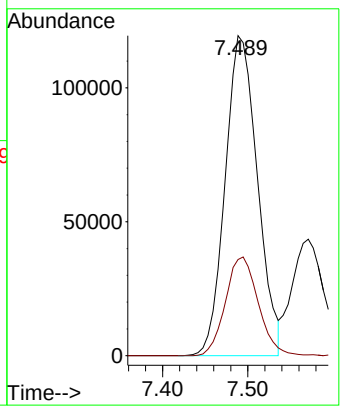
Tgt Ion: 43 Resp: 31515

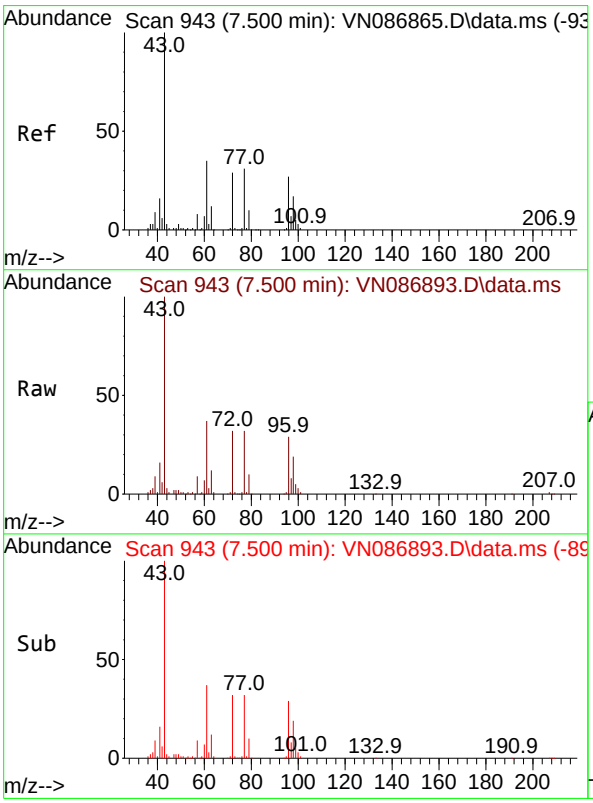
Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

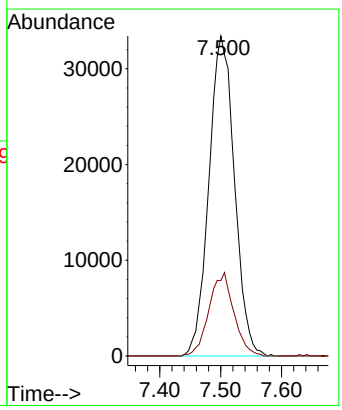


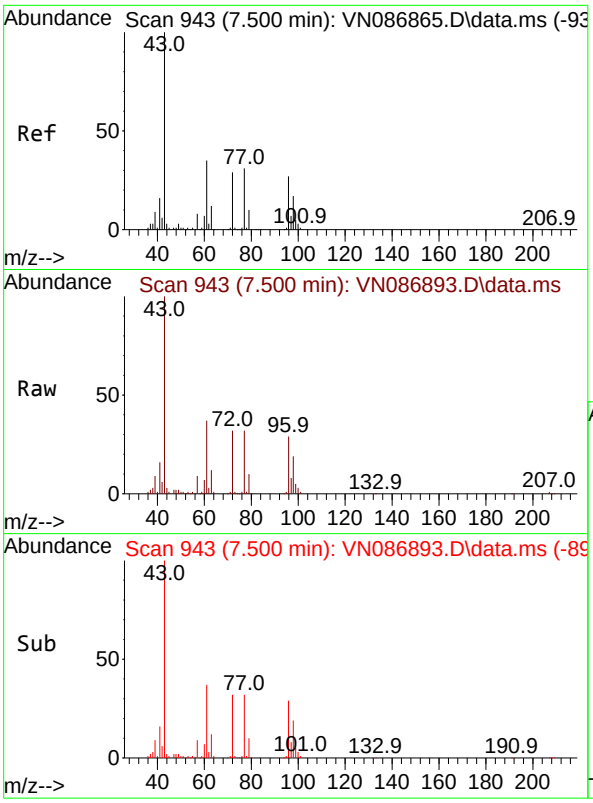


#26
2,2-Dichloropropane
Concen: 20.974 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 77 Resp: 97539

Ion	Ratio	Lower	Upper
77	100		
97	25.2	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 21.233 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

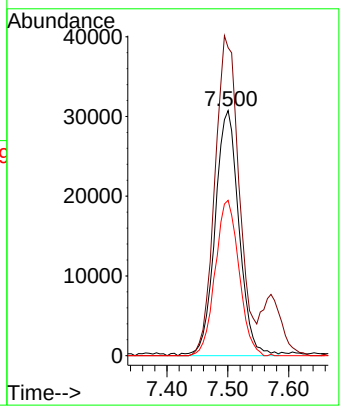
Tgt Ion: 96 Resp: 8395

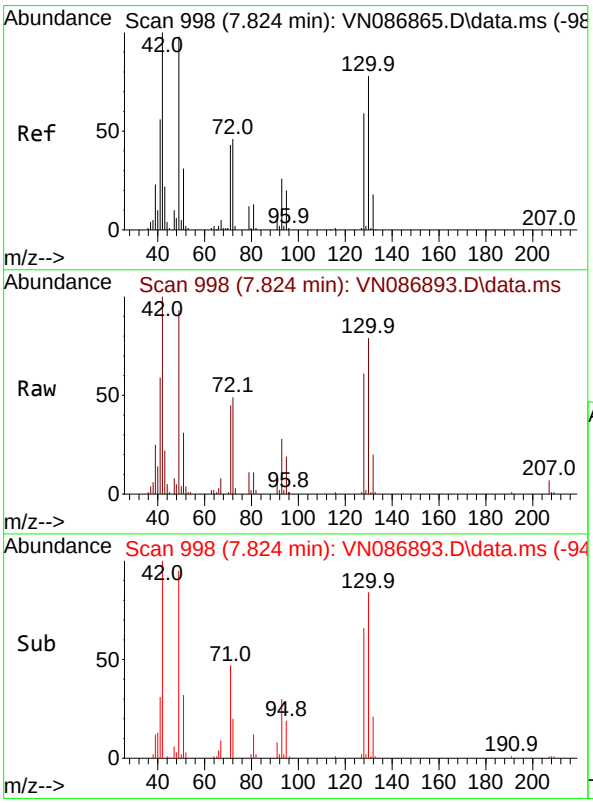
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	278.0
98	62.9	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

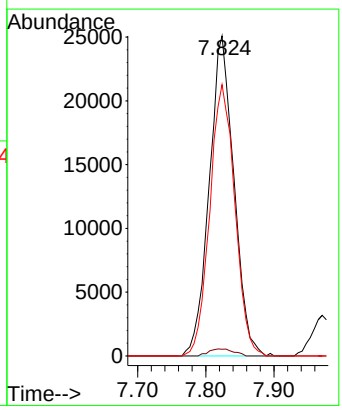


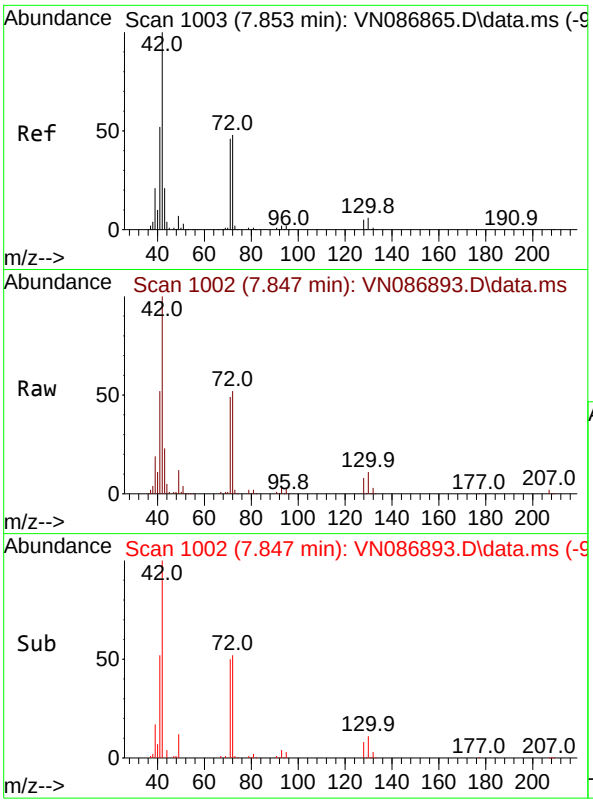


#28
Bromochloromethane
Concen: 21.510 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 49 Resp: 63228

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	86.1	62.2	93.2





#29
Tetrahydrofuran
Concen: 104.697 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

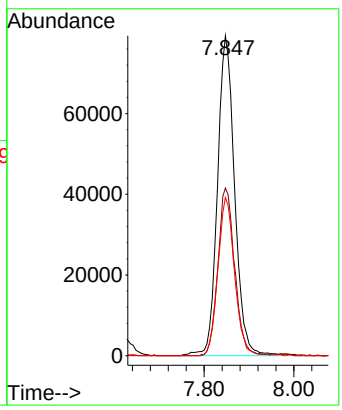
Tgt Ion: 42 Resp: 21015

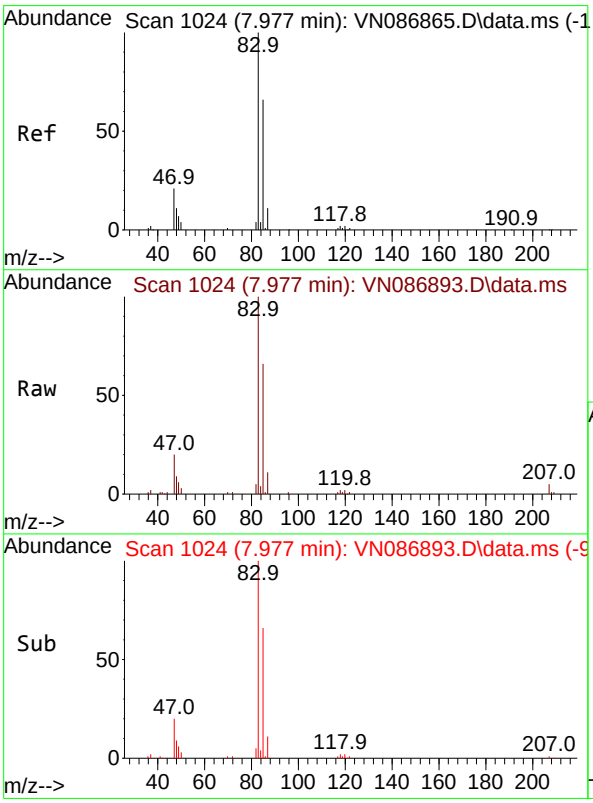
Ion	Ratio	Lower	Upper
42	100		
72	51.5	37.8	56.6
71	48.0	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

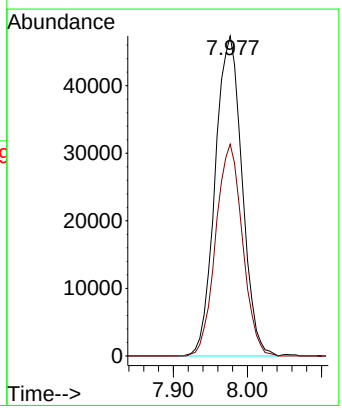


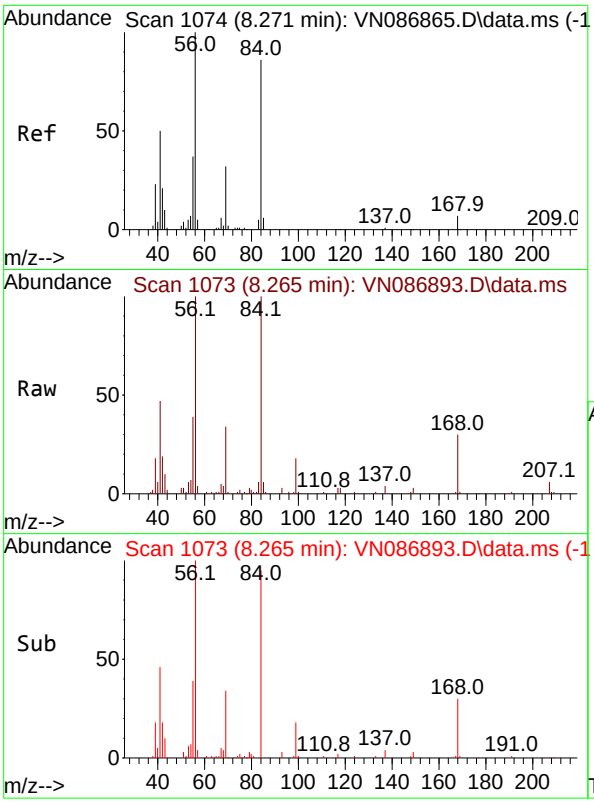


#30
Chloroform
Concen: 20.020 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 83 Resp: 119528

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.9	79.3

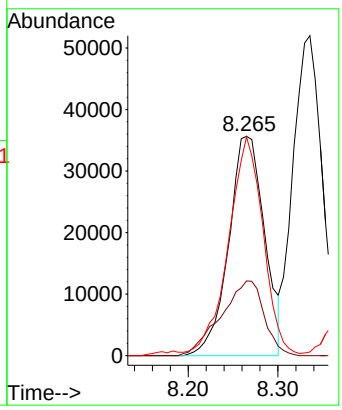




#31
Cyclohexane
Concen: 17.094 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 56 Resp: 9910

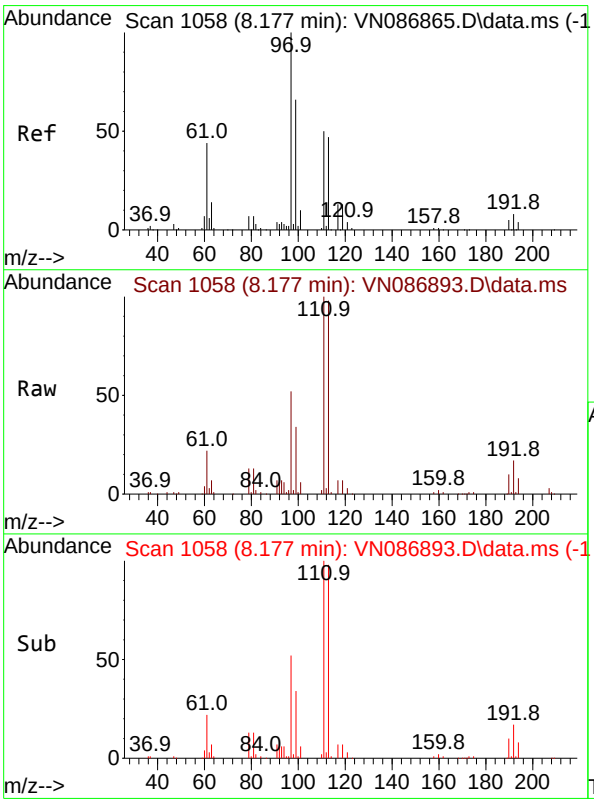
Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.4	38.0
84	98.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

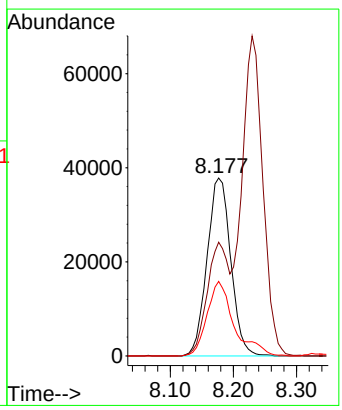
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

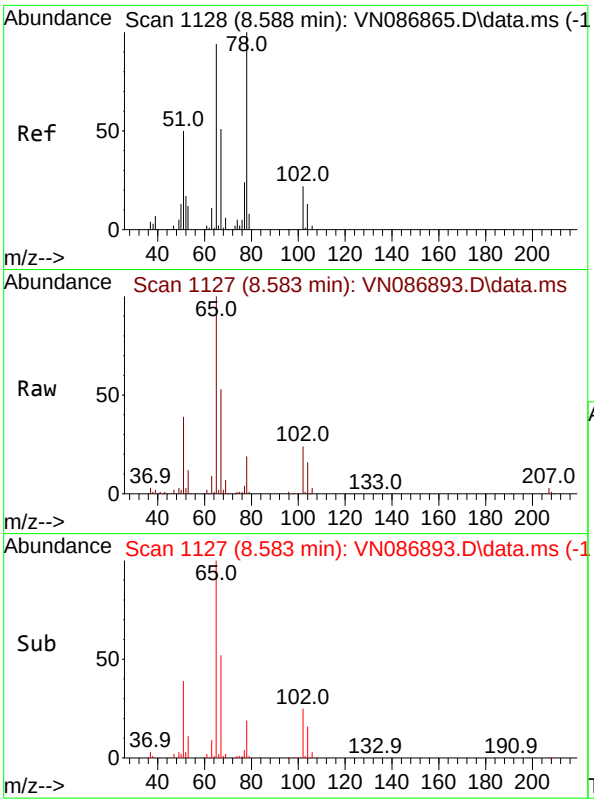


#32
1,1,1-Trichloroethane
Concen: 19.432 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 97 Resp: 98672

Ion	Ratio	Lower	Upper
97	100		
99	57.3	52.0	78.0
61	47.5	35.9	53.9

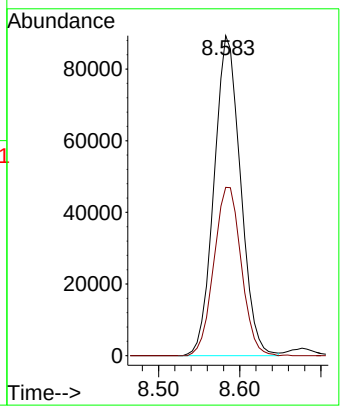




#33
1,2-Dichloroethane-d4
Concen: 56.618 ug/l
RT: 8.583 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 65 Resp: 20238

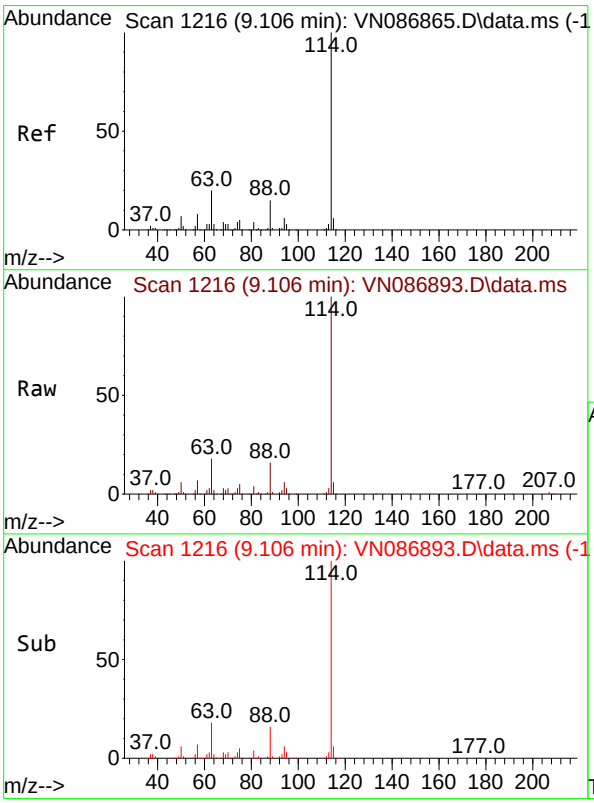
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

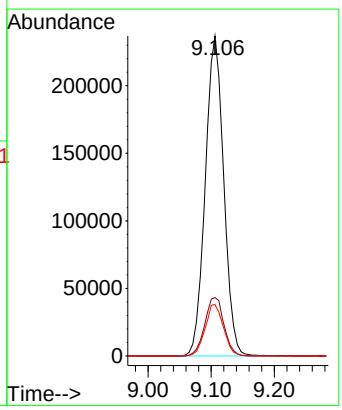
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

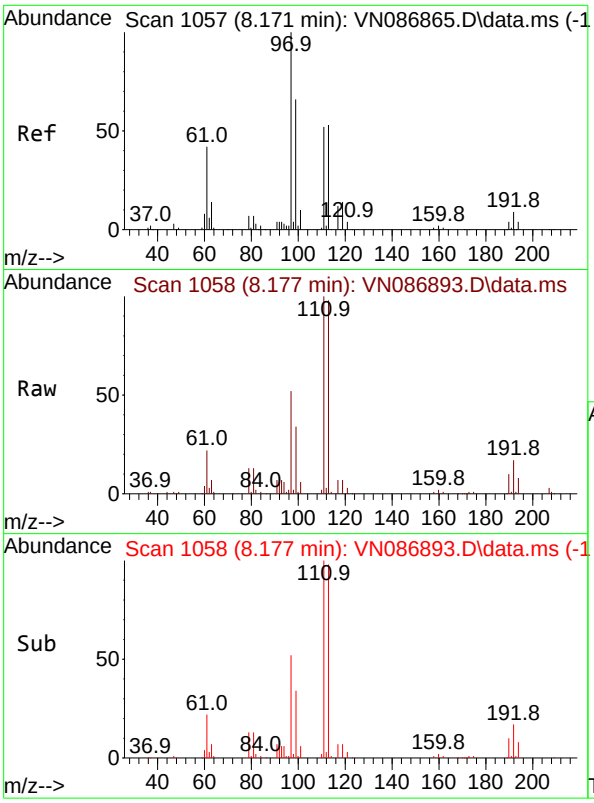


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:114 Resp: 481053

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	16.0	0.0	30.2

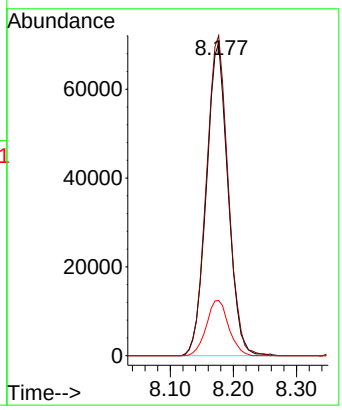




#35
Dibromofluoromethane
Concen: 58.562 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:113 Resp: 16695

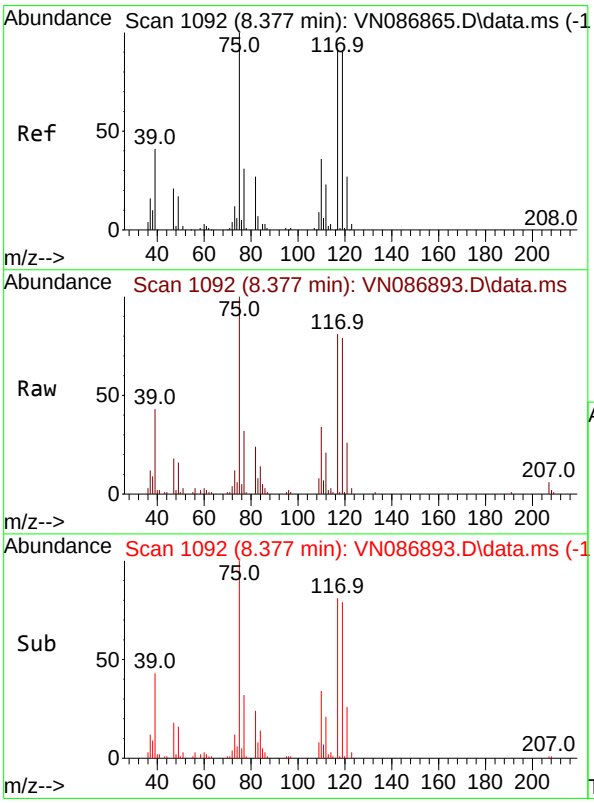
Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.2	126.2
192	18.3	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

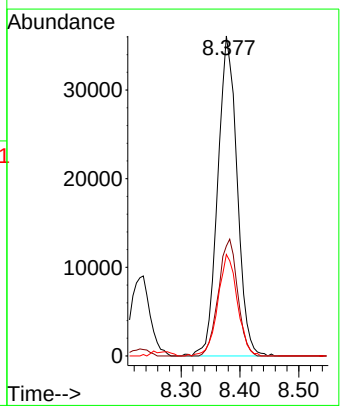
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

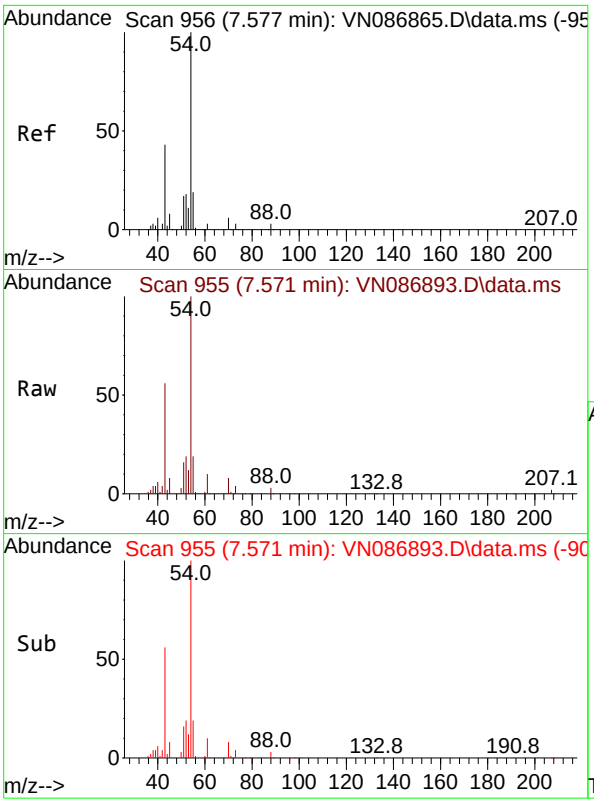


#36
1,1-Dichloropropene
Concen: 19.433 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 82550

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	32.0	25.3	37.9





#37
Ethyl Acetate
Concen: 21.848 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

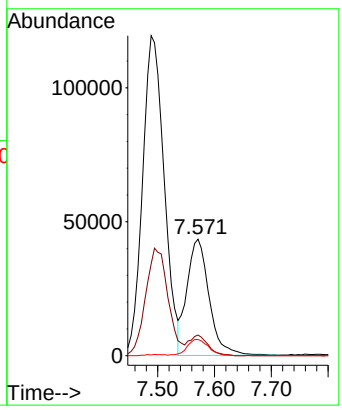
Tgt Ion: 43 Resp: 11815

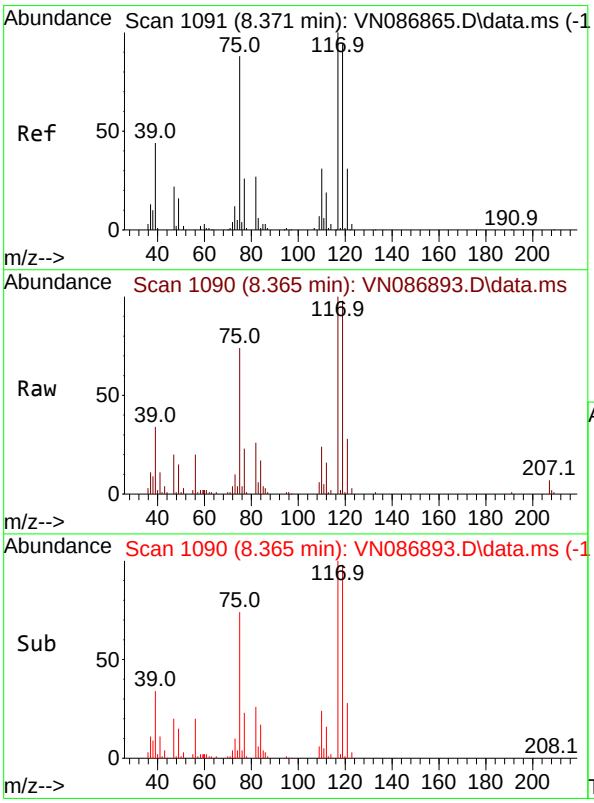
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	13.4	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

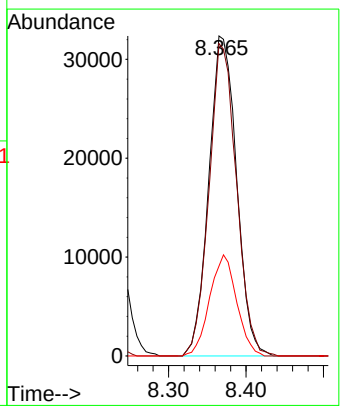


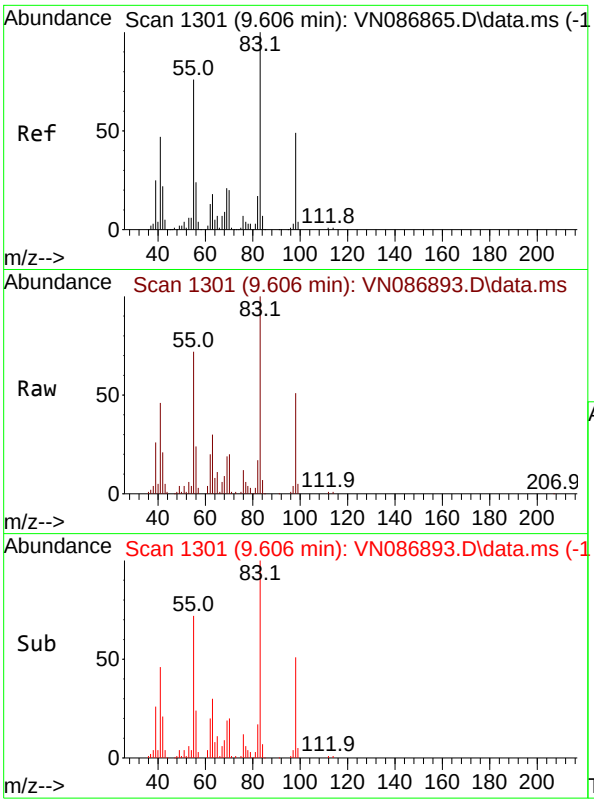


#38
Carbon Tetrachloride
Concen: 19.324 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:117 Resp: 80592

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.6
121	28.1	24.9	37.3





#39
Methylcyclohexane
Concen: 17.077 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

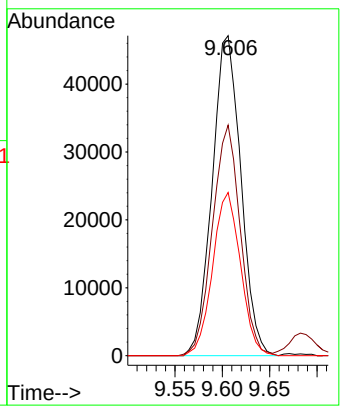
Tgt Ion: 83 Resp: 9938

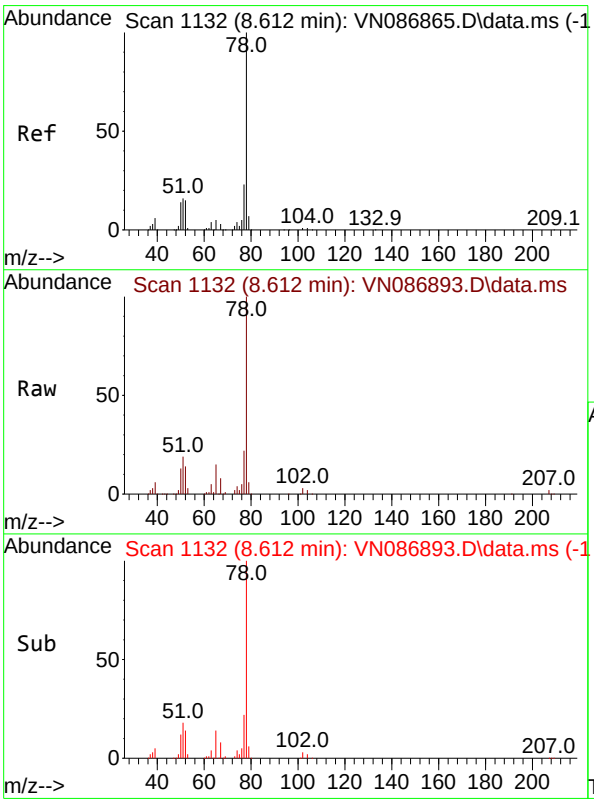
Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.0	91.6
98	51.0	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

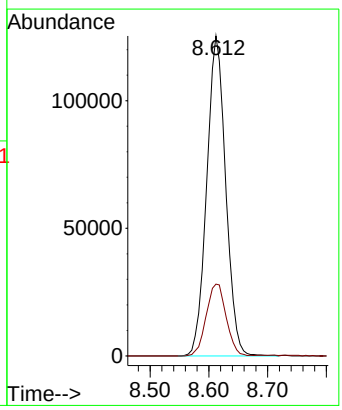


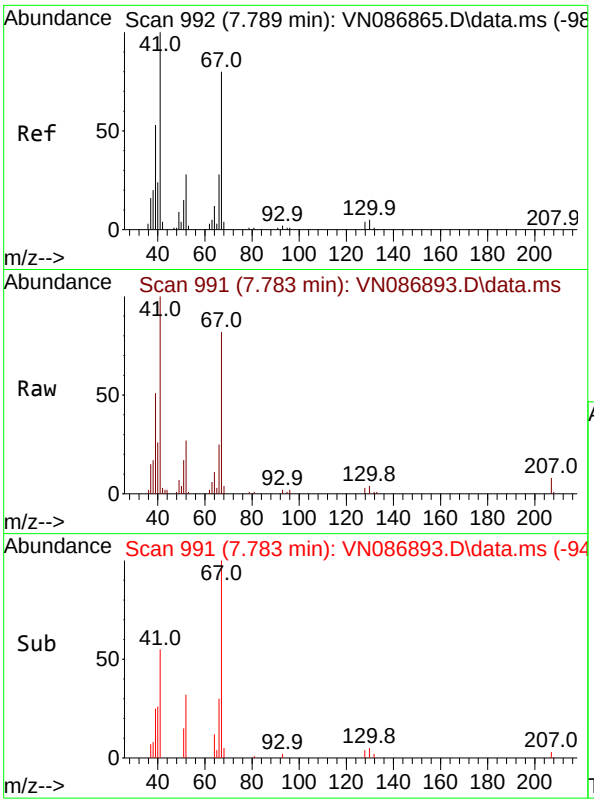


#40
Benzene
Concen: 20.246 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 78 Resp: 281242

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.7	28.1

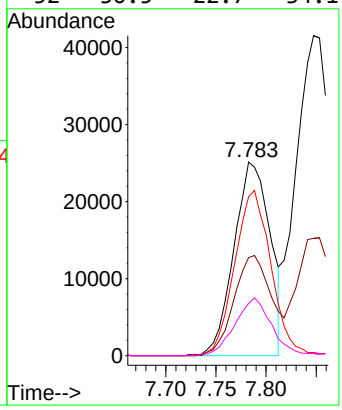




#41
Methacrylonitrile
Concen: 20.779 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 41 Resp: 6310

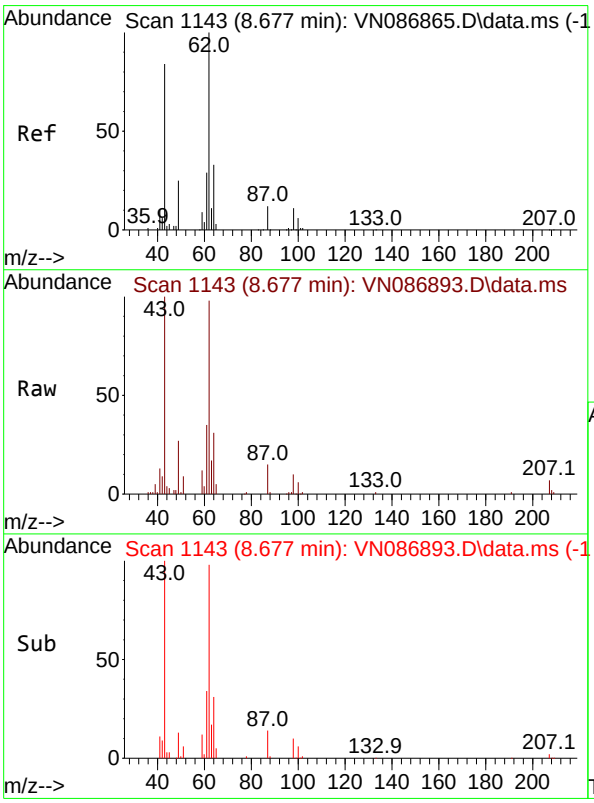
Ion	Ratio	Lower	Upper
41	100		
39	54.4	41.2	61.8
67	85.8	61.4	92.2
52	30.5	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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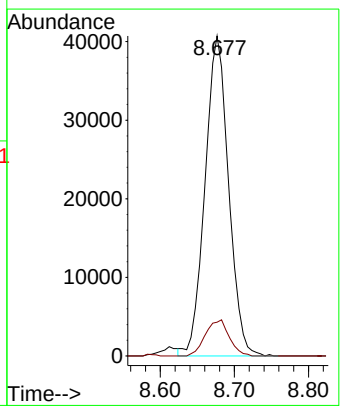
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

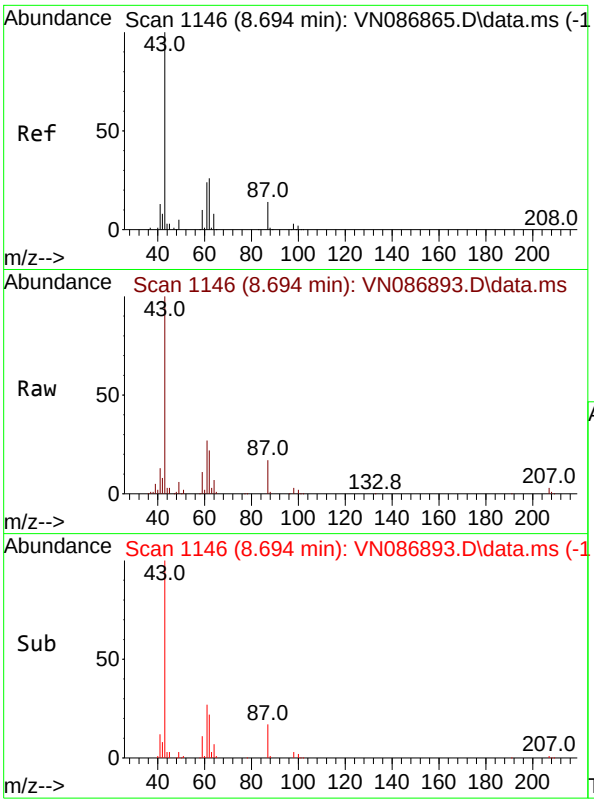


#42
1,2-Dichloroethane
Concen: 21.353 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 62 Resp: 89967

Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.2

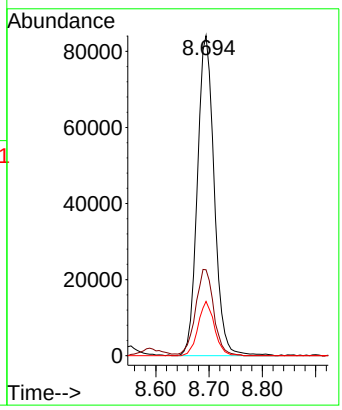




#43
Isopropyl Acetate
Concen: 21.243 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 18437

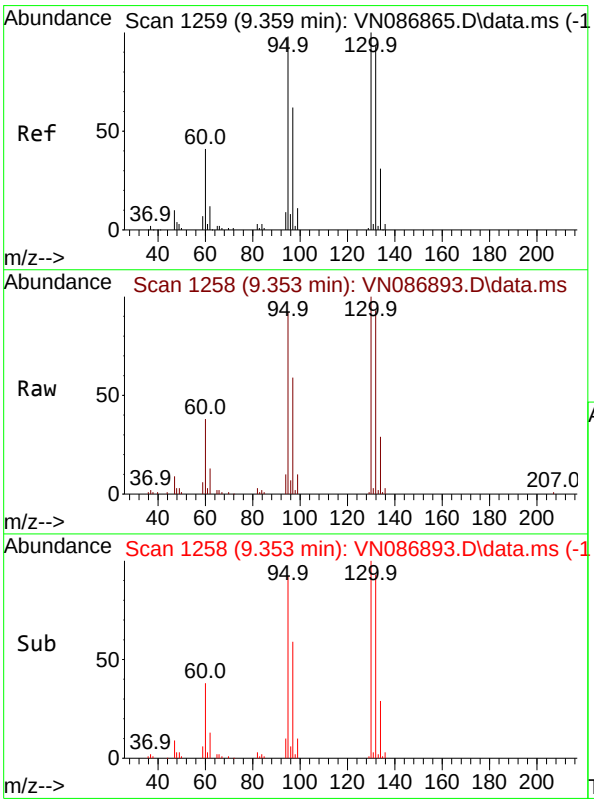
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.1	33.1
87	16.5	11.8	17.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

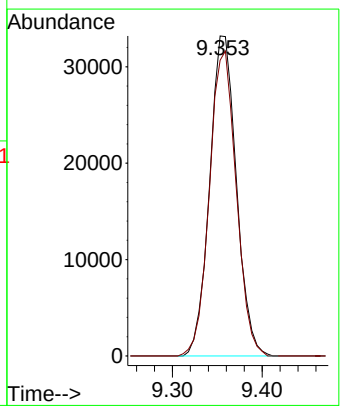
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

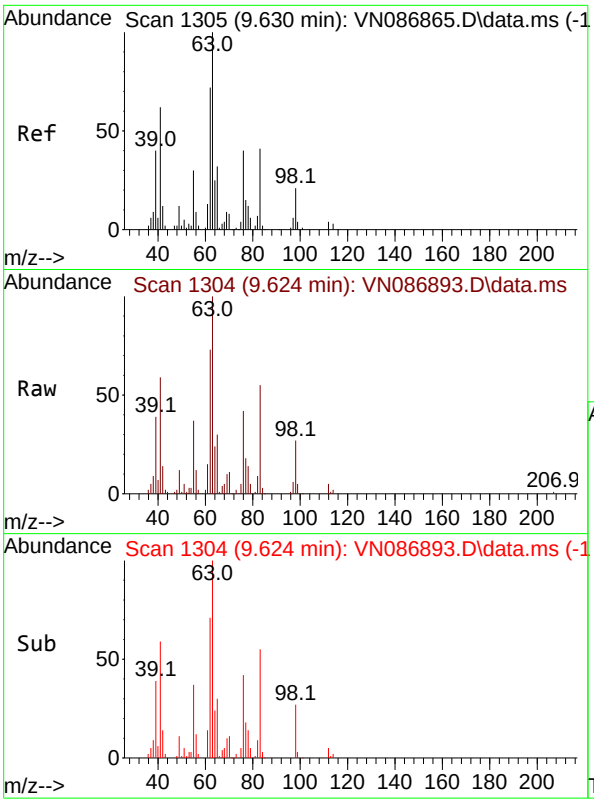


#44
Trichloroethene
Concen: 20.860 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:130 Resp: 68709

Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	196.2

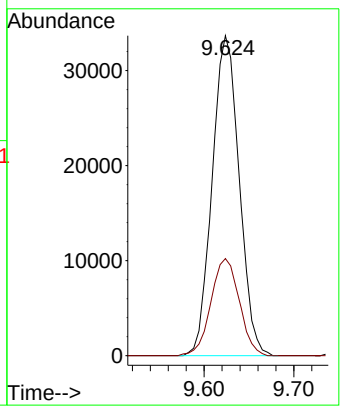




#45
1,2-Dichloropropane
Concen: 20.819 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 63 Resp: 7035

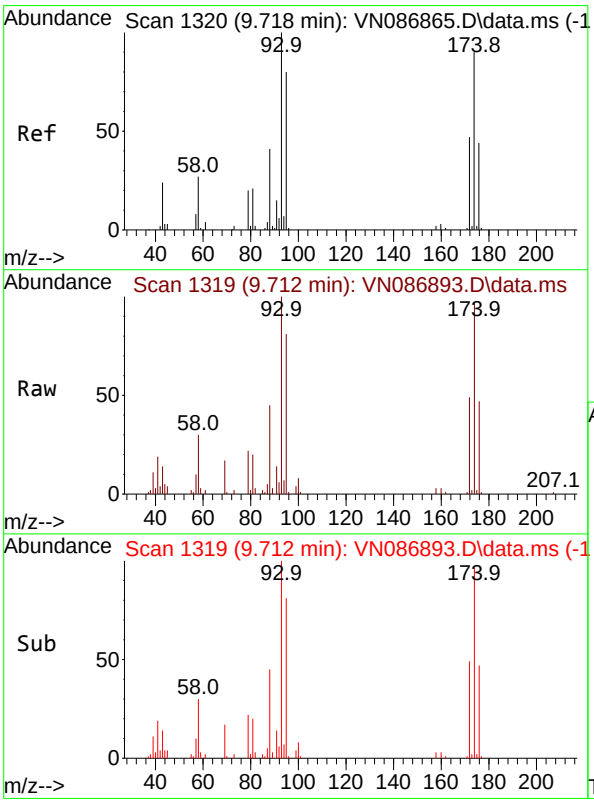
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

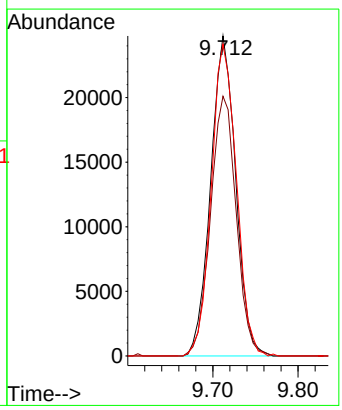
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

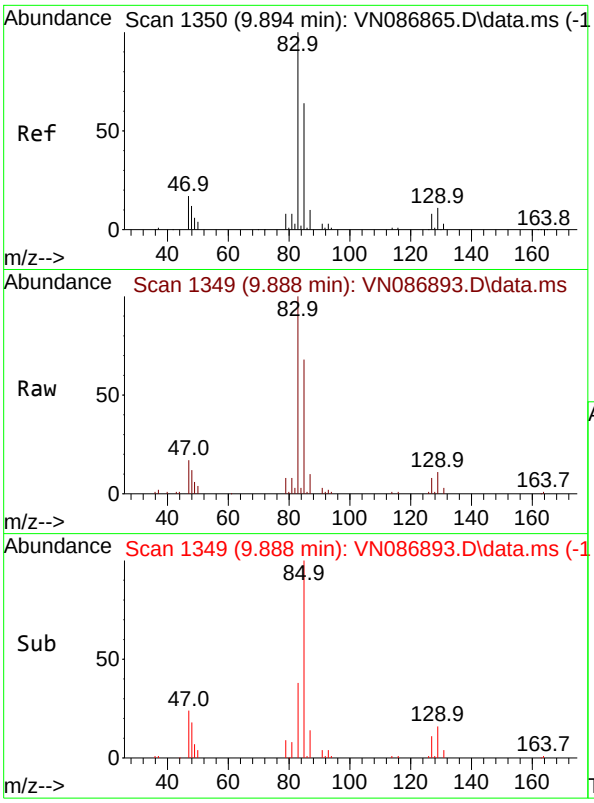


#46
Dibromomethane
Concen: 22.505 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 93 Resp: 50518

Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.1	100.7
174	97.8	74.2	111.4

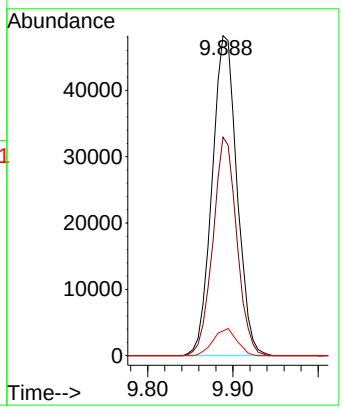




#47
Bromodichloromethane
Concen: 21.168 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 83 Resp: 9776

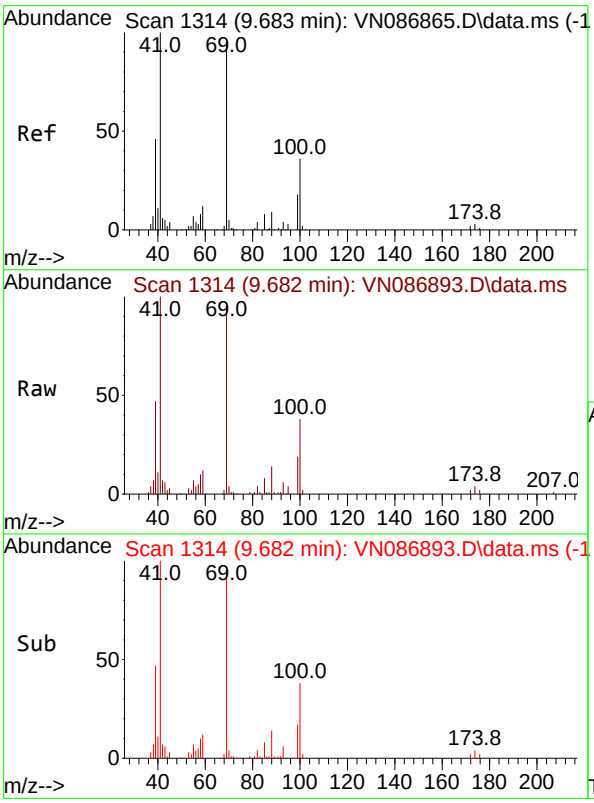
Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.9	76.3
127	7.7	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

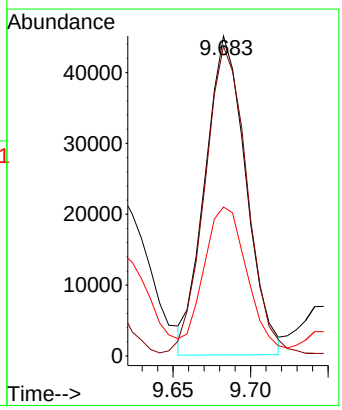
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

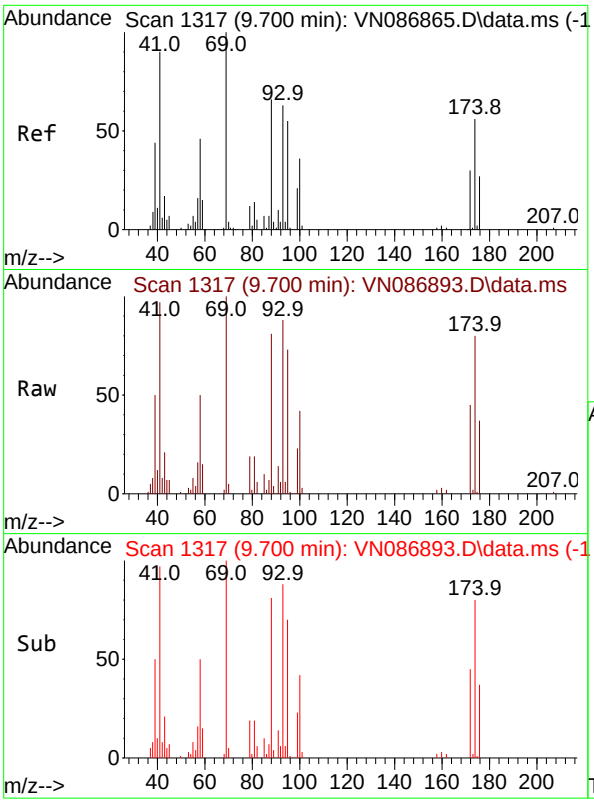


#48
Methyl methacrylate
Concen: 20.666 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 41 Resp: 82557

Ion	Ratio	Lower	Upper
41	100		
69	102.2	74.6	112.0
39	50.9	40.2	60.4

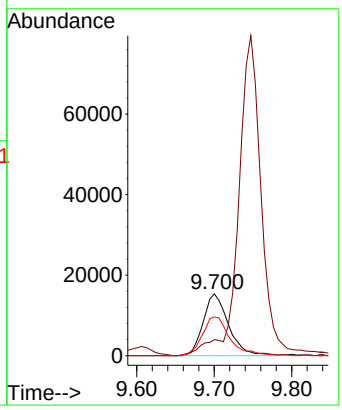




#49
1,4-Dioxane
Concen: 478.183 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 88 Resp: 3475

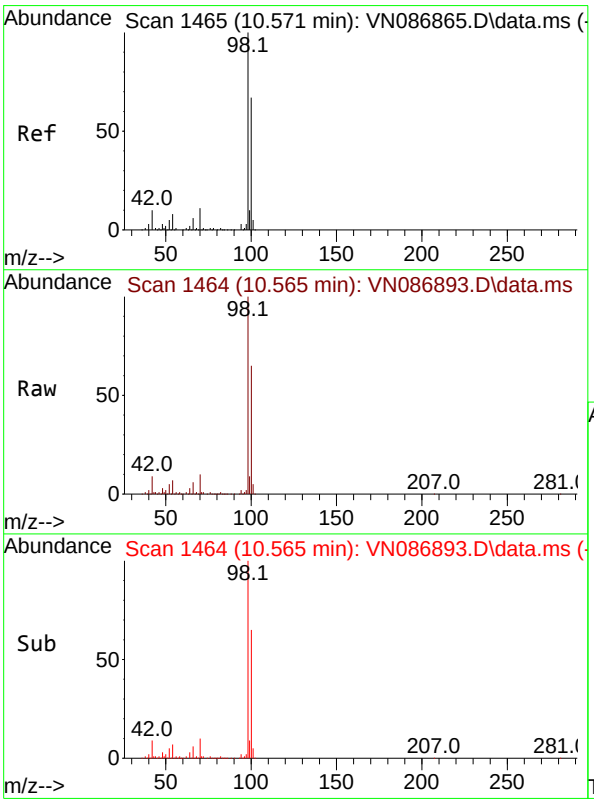
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	68.7	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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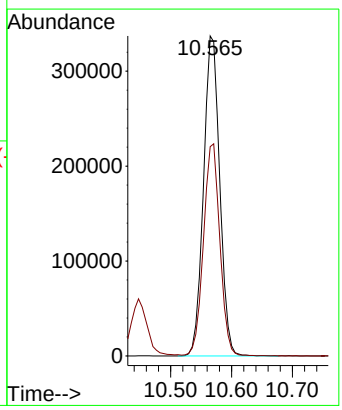
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

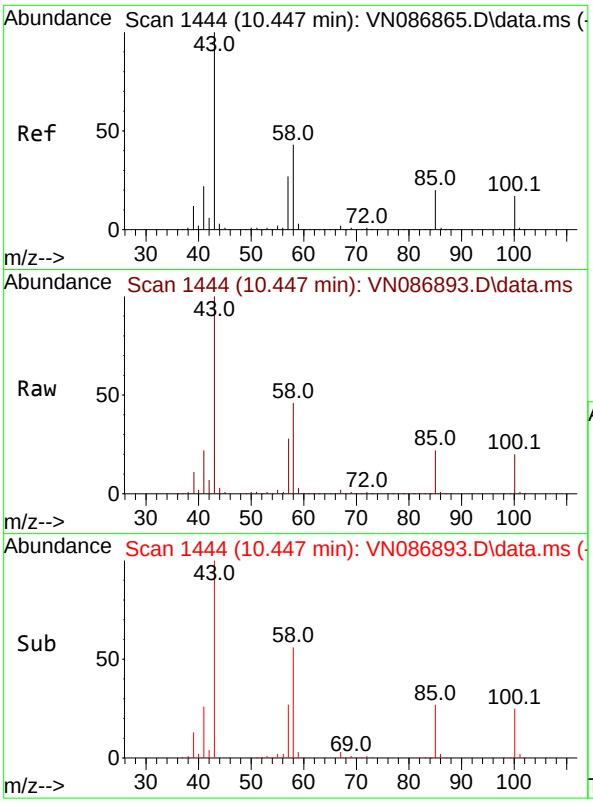


#50
Toluene-d8
Concen: 55.191 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 98 Resp: 622867

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 109.788 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

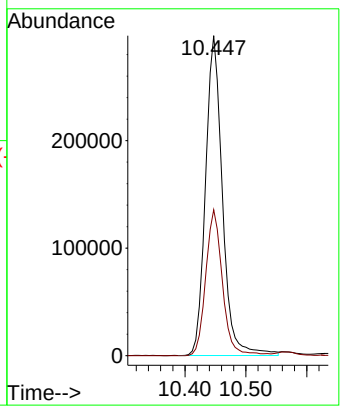
Tgt Ion: 43 Resp: 57365

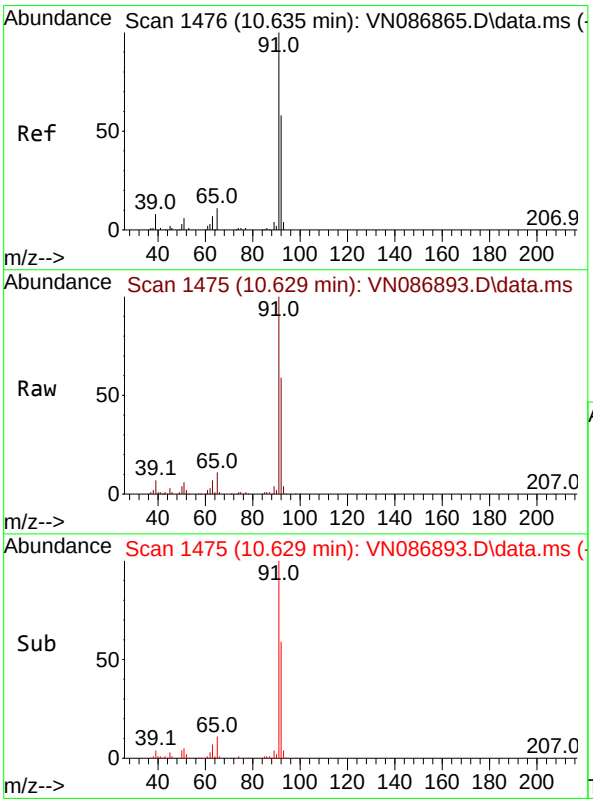
Ion	Ratio	Lower	Upper
43	100		
58	44.9	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

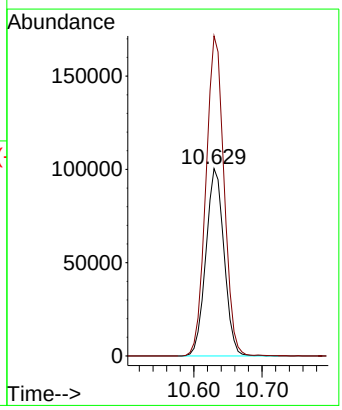


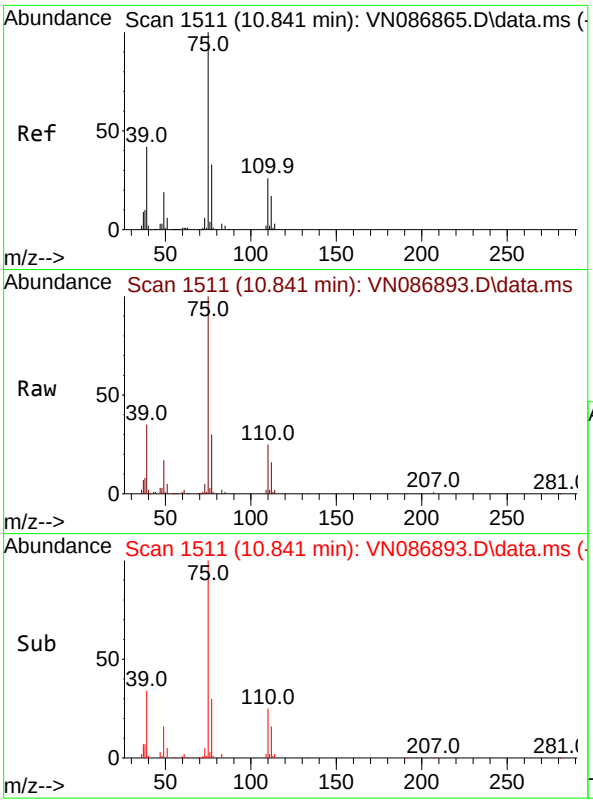


#52
Toluene
Concen: 21.940 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 92 Resp: 186254

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.5	204.7

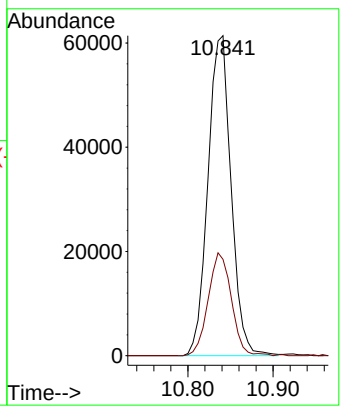




#53
t-1,3-Dichloropropene
Concen: 22.484 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 11611

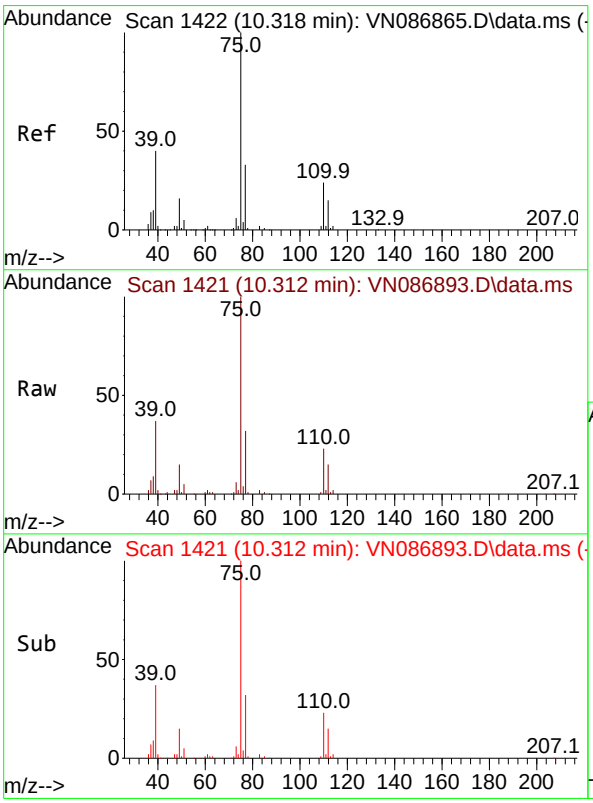
Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

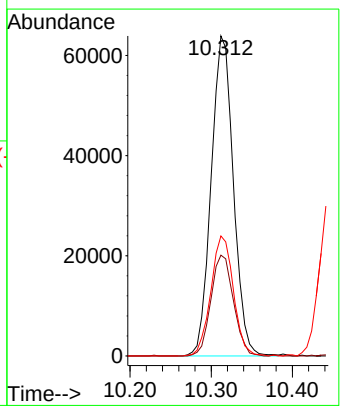
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

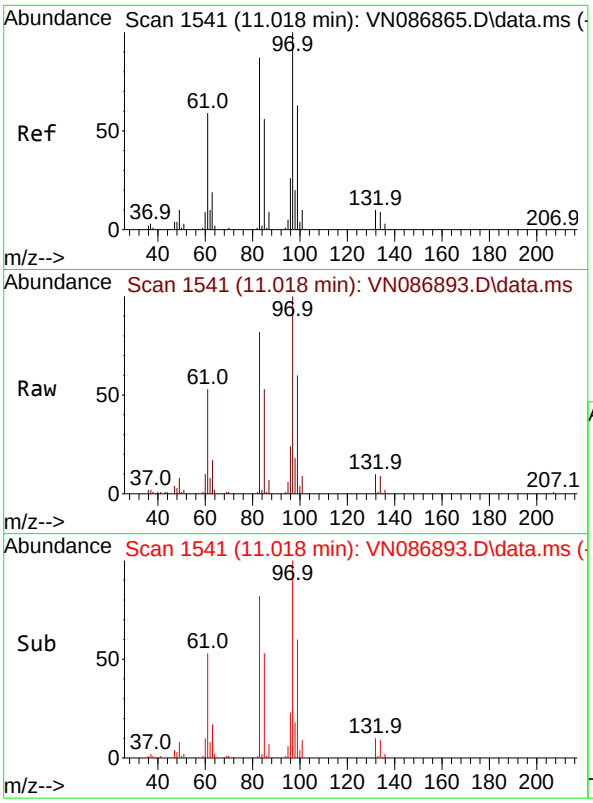


#54
cis-1,3-Dichloropropene
Concen: 22.000 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 121569

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.2	39.4
39	37.5	32.3	48.5

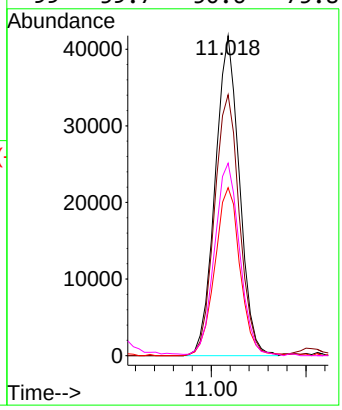




#55
1,1,2-Trichloroethane
Concen: 22.766 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 97 Resp: 7436

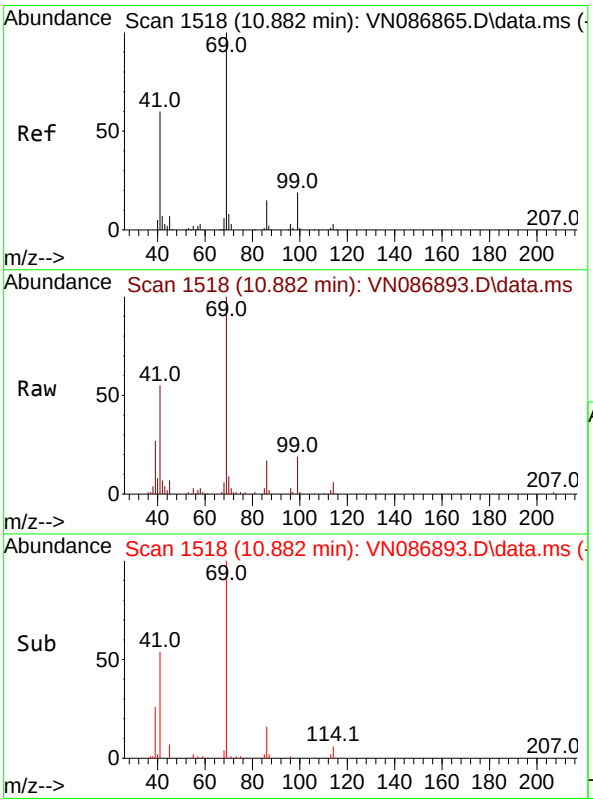
Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.7	104.5
85	52.5	45.1	67.7
99	59.7	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

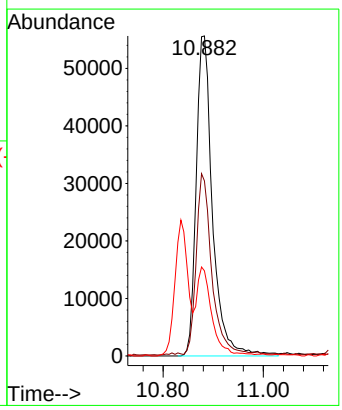
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

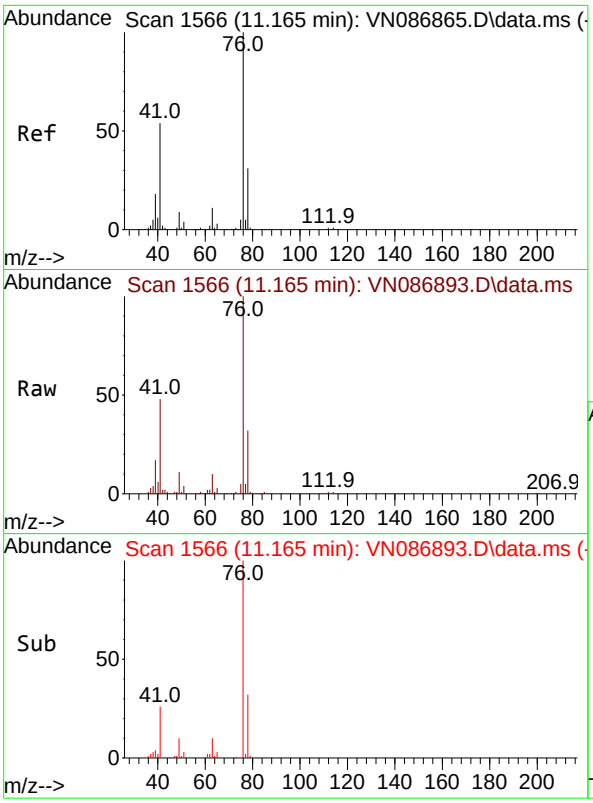


#56
Ethyl methacrylate
Concen: 24.158 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 69 Resp: 125687

Ion	Ratio	Lower	Upper
69	100		
41	53.6	47.2	70.8
39	25.1	23.0	34.6

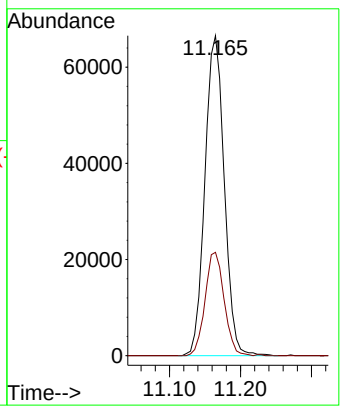




#57
1,3-Dichloropropane
Concen: 22.217 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 76 Resp: 12589

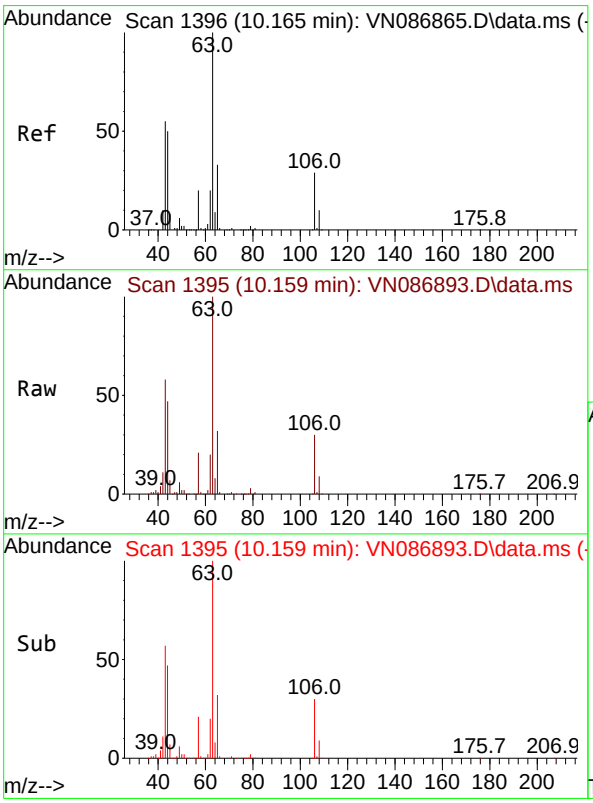
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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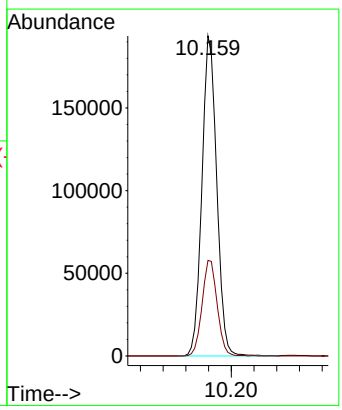
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

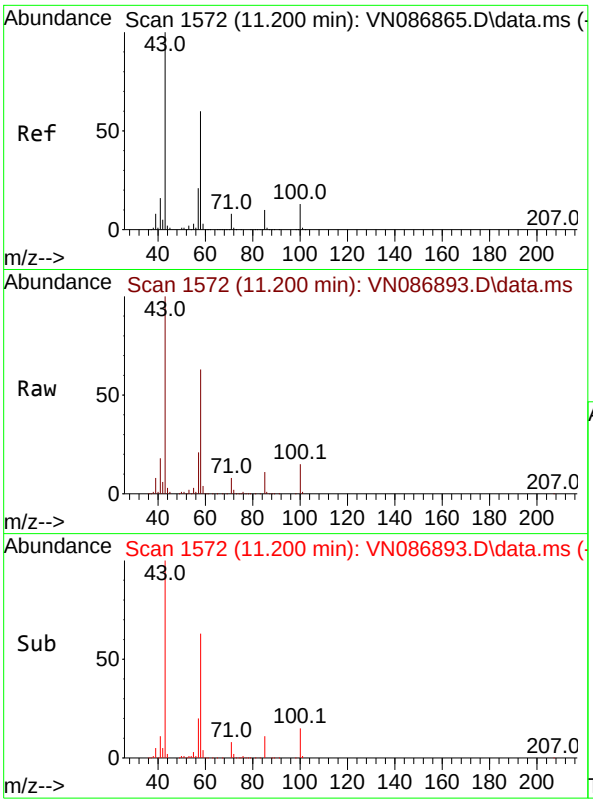


#58
2-Chloroethyl Vinyl ether
Concen: 112.472 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 63 Resp: 349023

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6





#59
2-Hexanone
Concen: 109.420 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

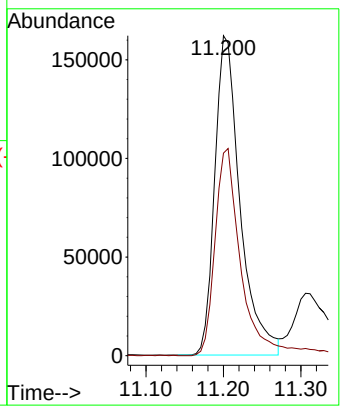
Tgt Ion: 43 Resp: 36827

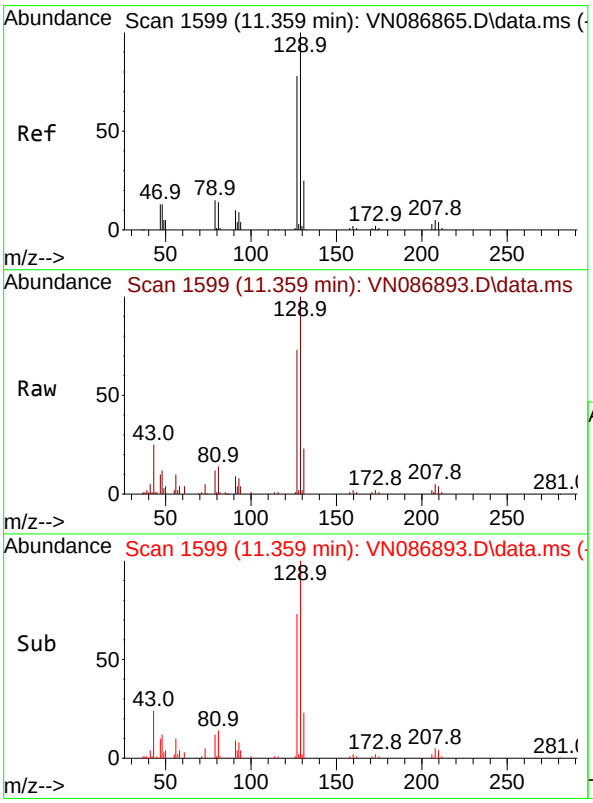
Ion	Ratio	Lower	Upper
43	100		
58	67.4	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

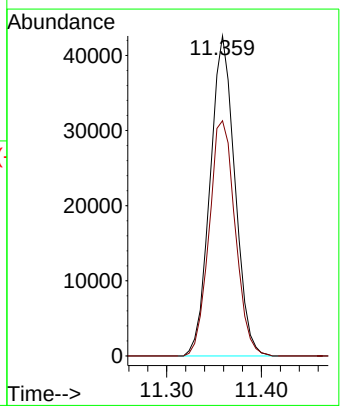


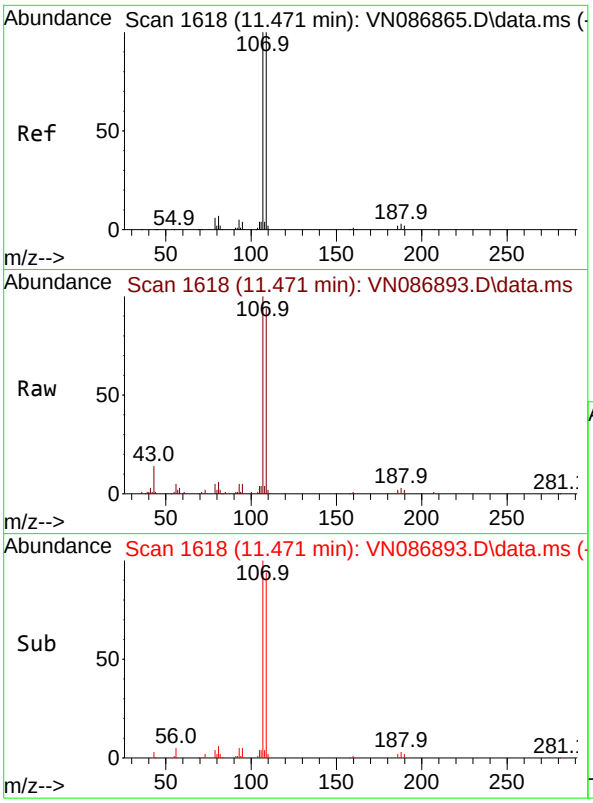


#60
Dibromochloromethane
Concen: 22.781 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:129 Resp: 77533

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8

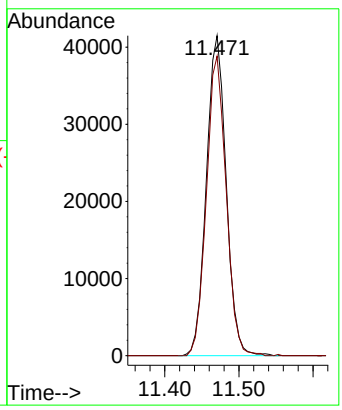




#61
1,2-Dibromoethane
Concen: 22.974 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:107 Resp: 7691

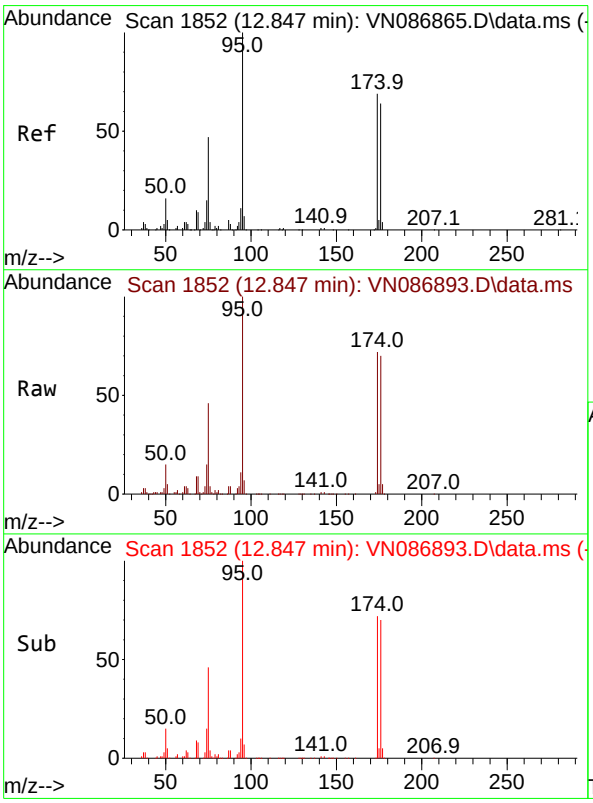
Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

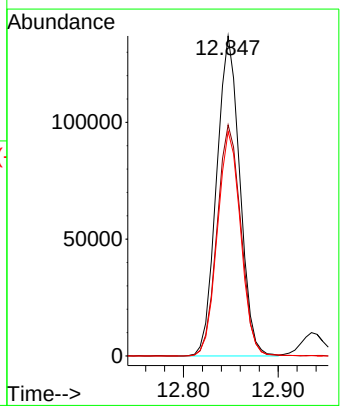
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

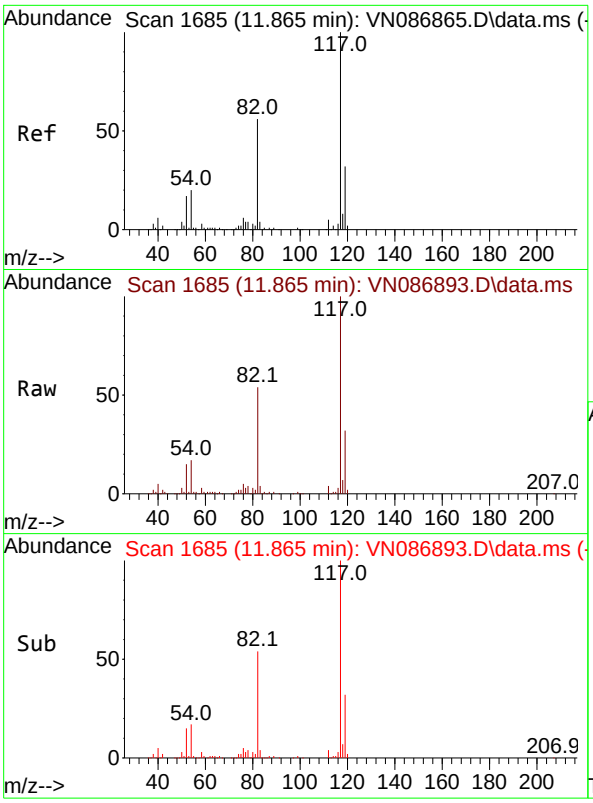


#62
4-Bromofluorobenzene
Concen: 55.716 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 95 Resp: 233615

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	141.8
176	70.4	0.0	132.6

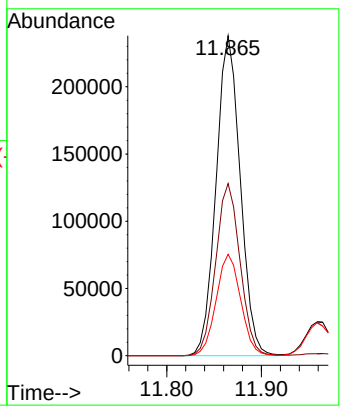




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:117 Resp: 42248

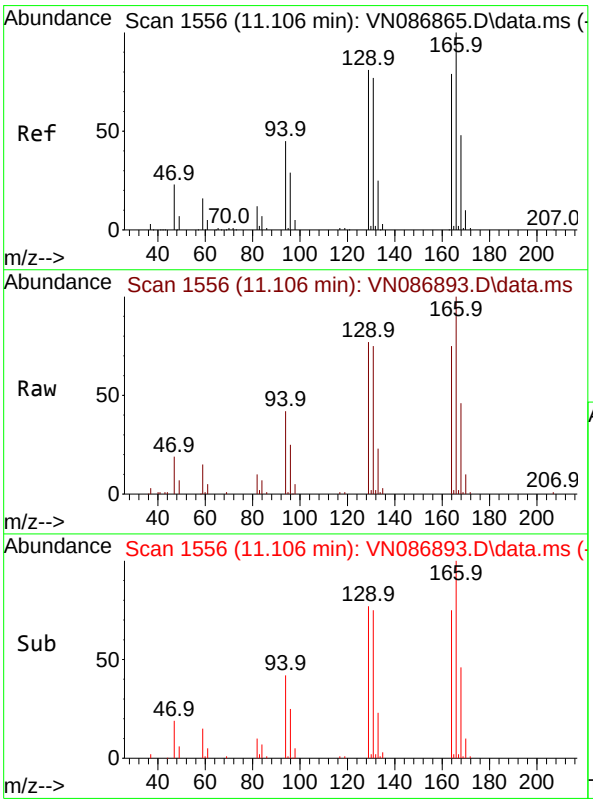
Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.6	67.0
119	31.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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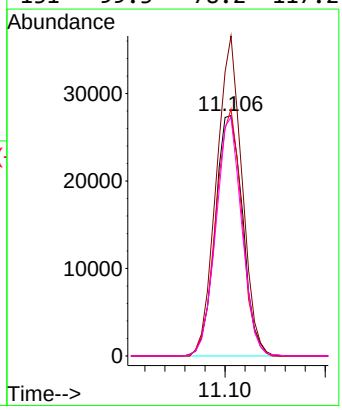
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

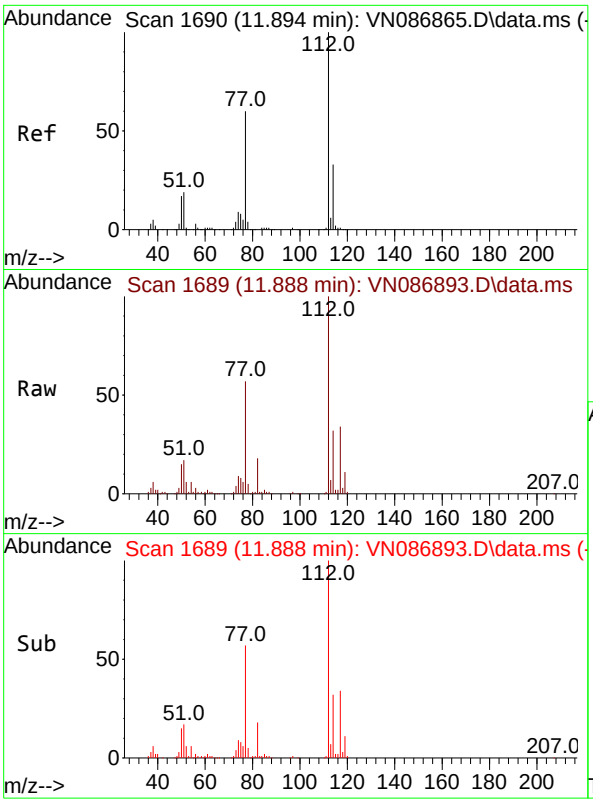


#64
Tetrachloroethene
Concen: 19.514 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:164 Resp: 52176

Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.8	152.8
129	102.7	83.0	124.4
131	99.3	78.2	117.2

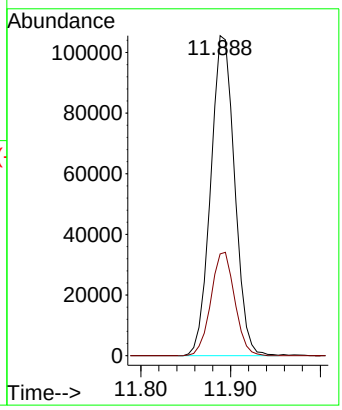




#65
Chlorobenzene
Concen: 20.940 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:112 Resp: 19511

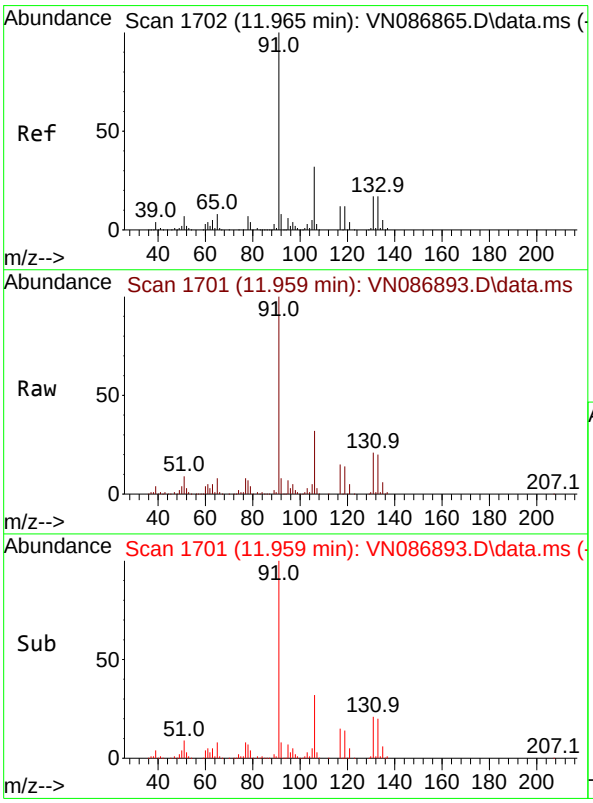
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

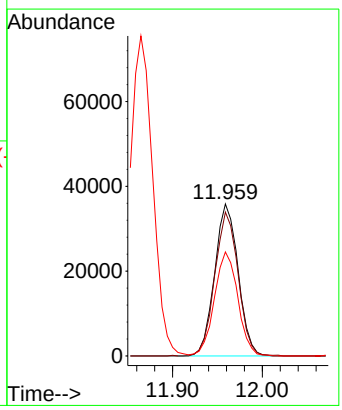
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

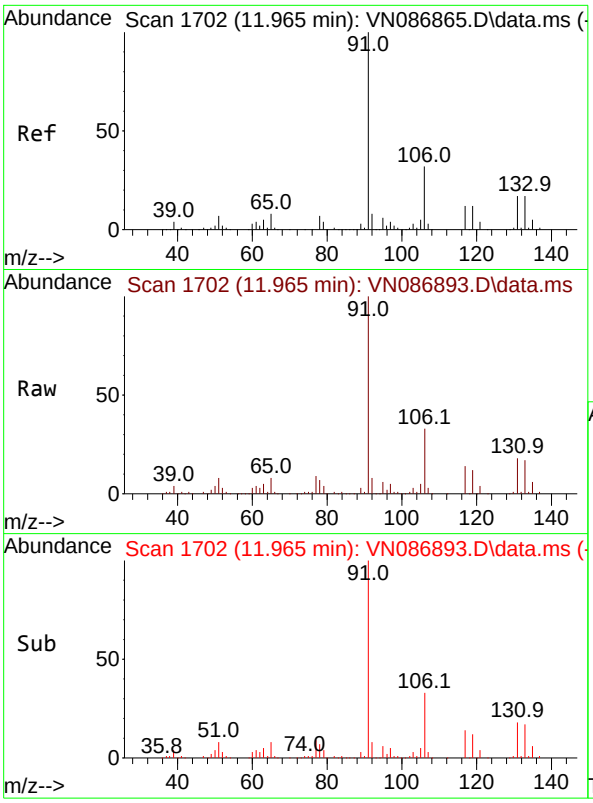


#66
1,1,1,2-Tetrachloroethane
Concen: 21.769 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:131 Resp: 65205

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.3	144.8
119	68.2	34.0	101.8

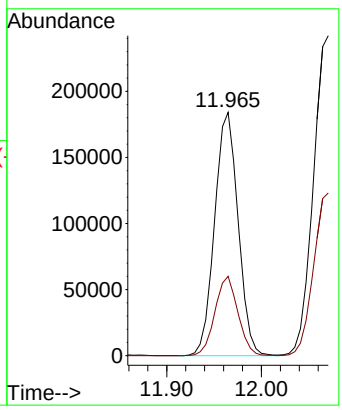




#67
Ethyl Benzene
Concen: 19.787 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 31759

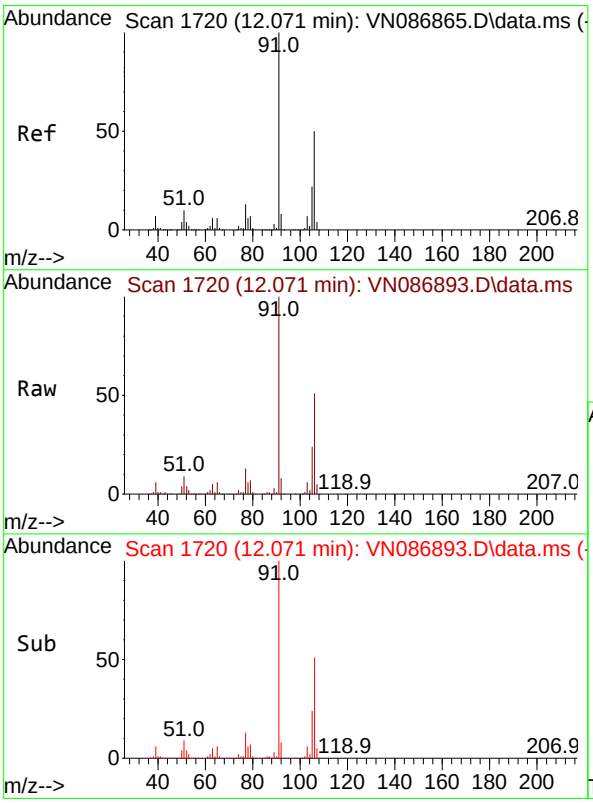
Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

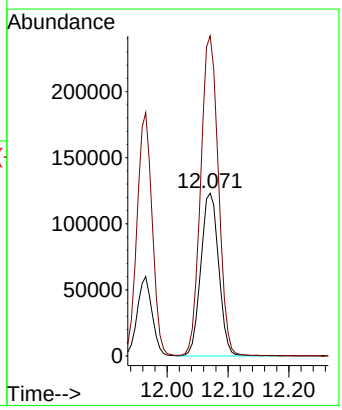
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

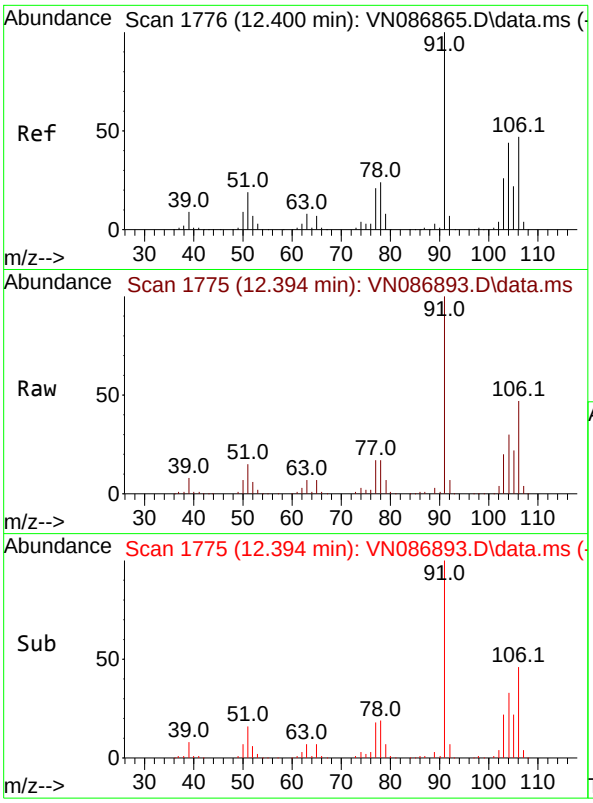


#68
m/p-Xylenes
Concen: 40.899 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:106 Resp: 251284

Ion	Ratio	Lower	Upper
106	100		
91	195.0	159.4	239.0

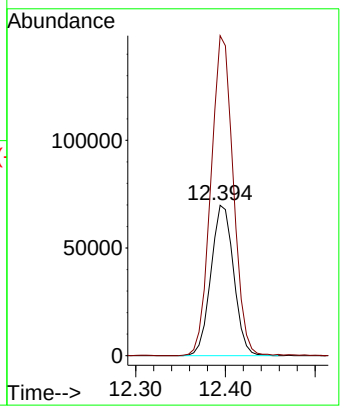




#69
o-Xylene
Concen: 20.858 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:106 Resp: 12273

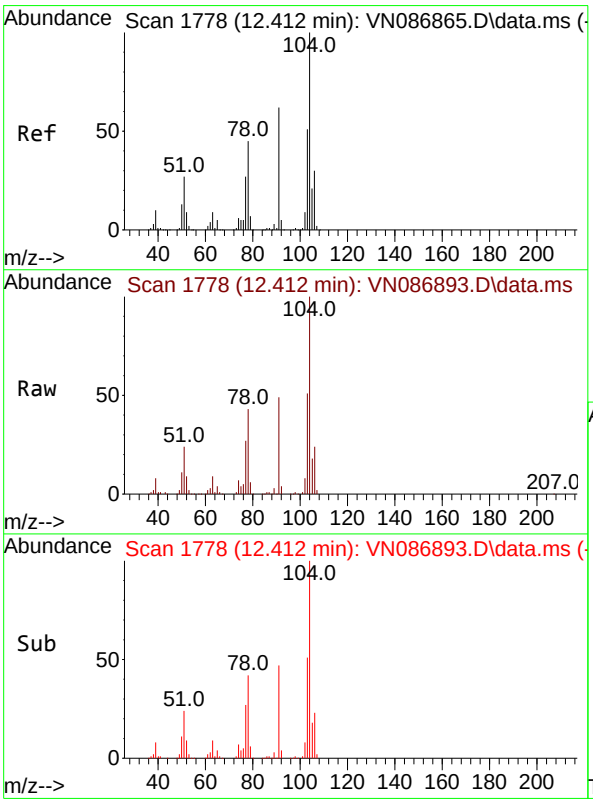
Ion	Ratio	Lower	Upper
106	100		
91	210.0	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

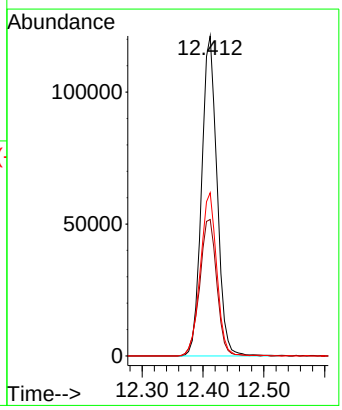
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

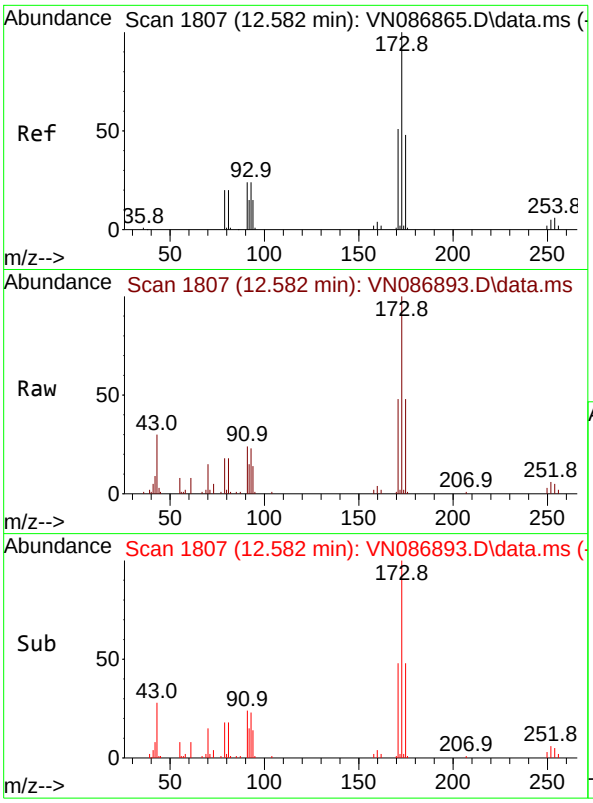


#70
Styrene
Concen: 21.229 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:104 Resp: 213765

Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.5	57.7
103	54.0	43.1	64.7

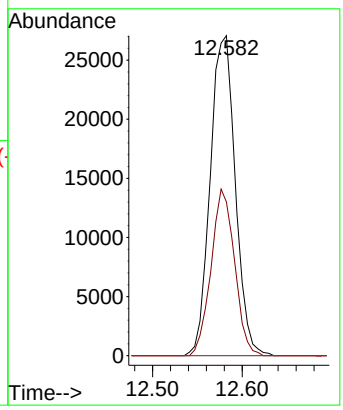




#71
Bromoform
Concen: 23.680 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:173 Resp: 5255

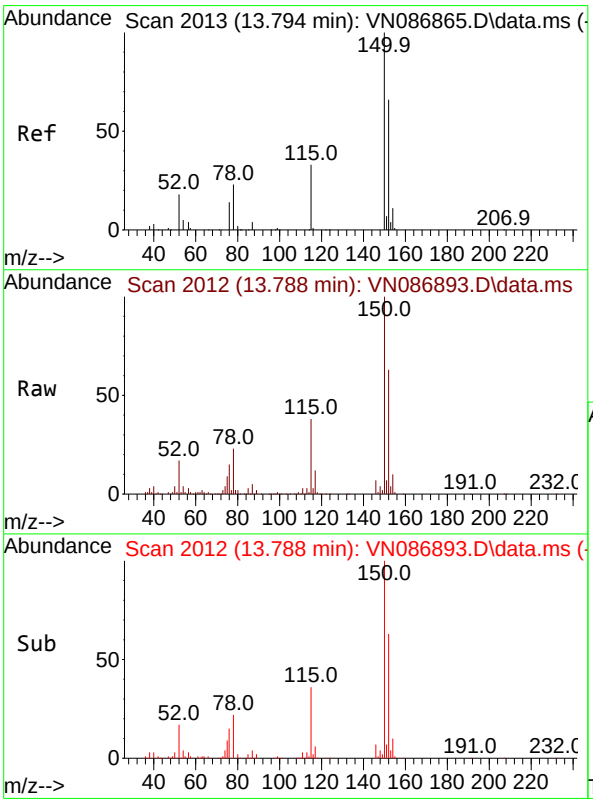
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

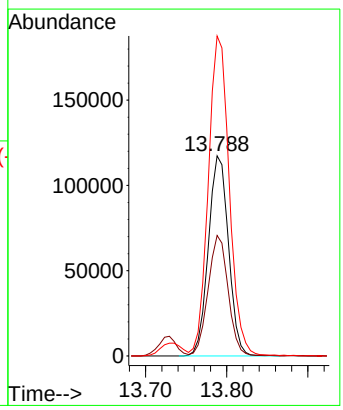
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

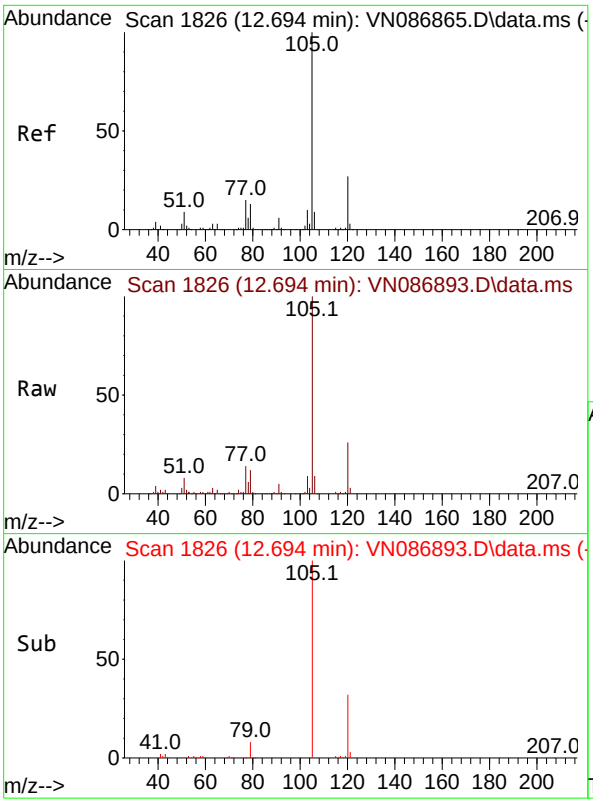


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:152 Resp: 202169

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.5
150	166.5	0.0	345.0

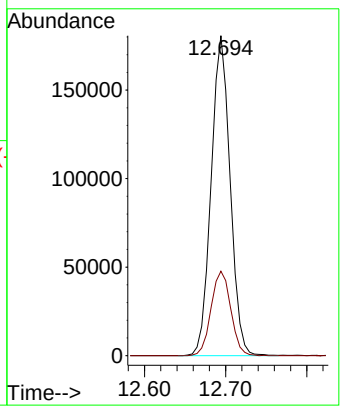




#73
Isopropylbenzene
Concen: 19.921 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 29340

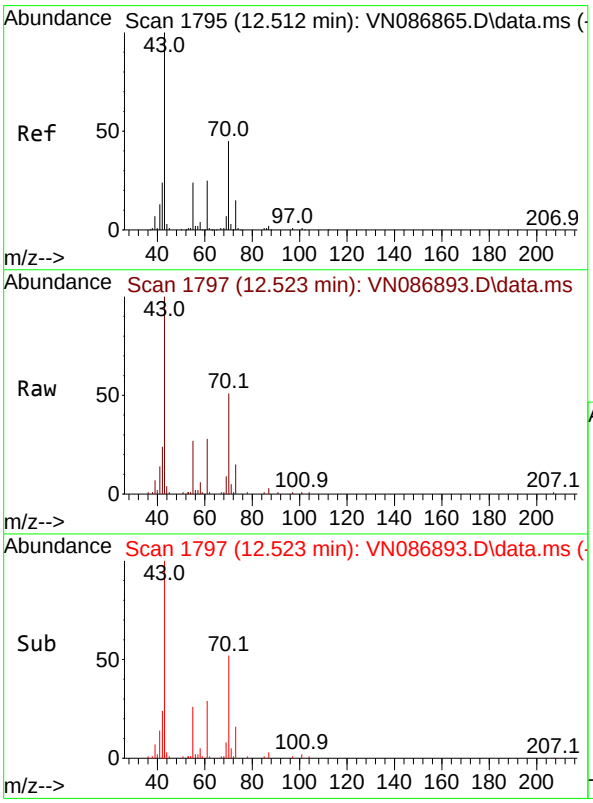
Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

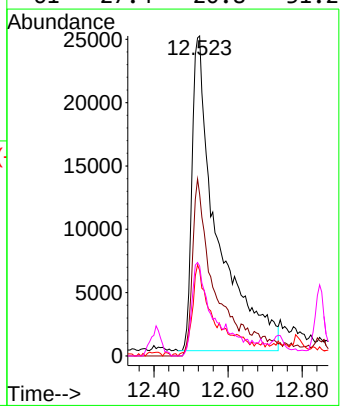
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

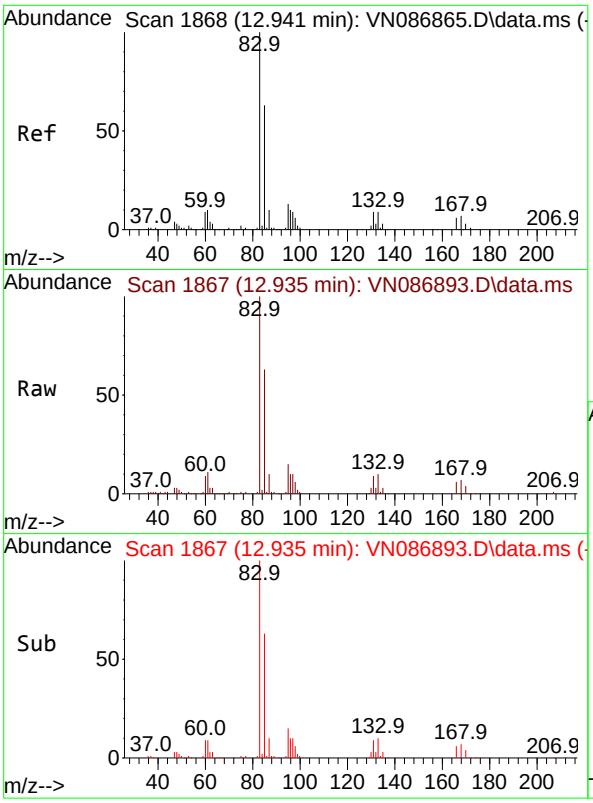


#74
N-amyl acetate
Concen: 22.893 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 117821

Ion	Ratio	Lower	Upper
43	100		
70	43.9	37.6	56.4
55	22.6	19.0	28.6
61	27.4	20.8	31.2

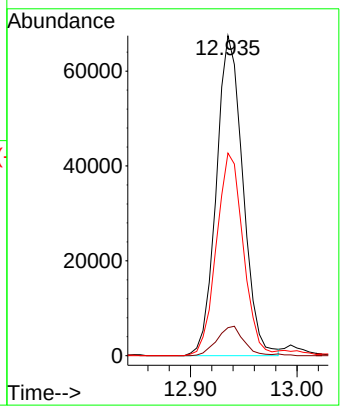




#75
1,1,2,2-Tetrachloroethane
Concen: 23.407 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 83 Resp: 11678

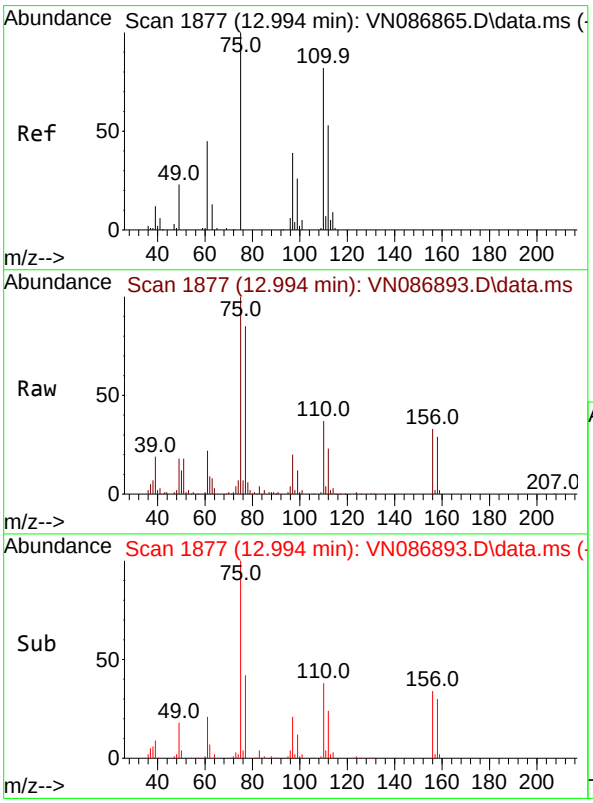
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.2	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

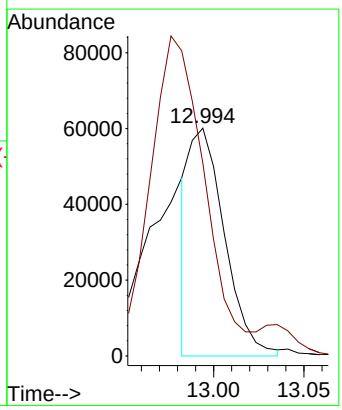
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

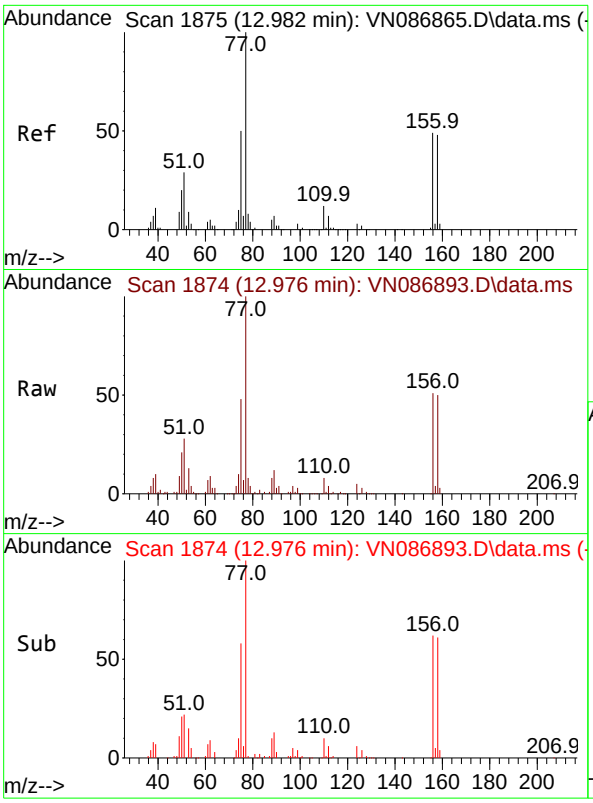


#76
1,2,3-Trichloropropane
Concen: 17.075 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 82055

Ion	Ratio	Lower	Upper
75	100		
77	218.3	79.3	237.9

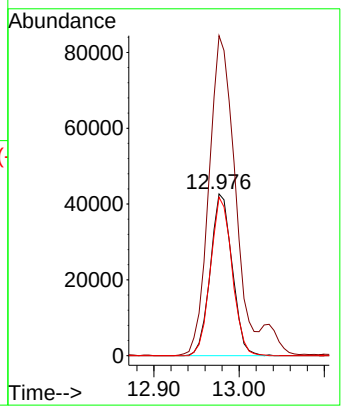




#77
Bromobenzene
Concen: 22.543 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:156 Resp: 7614

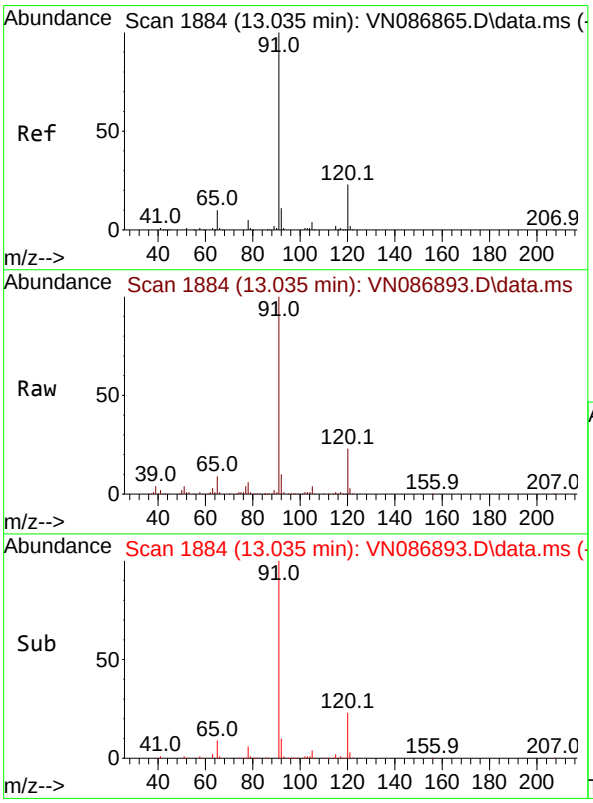
Ion	Ratio	Lower	Upper
156	100		
77	235.3	117.7	353.1
158	96.7	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

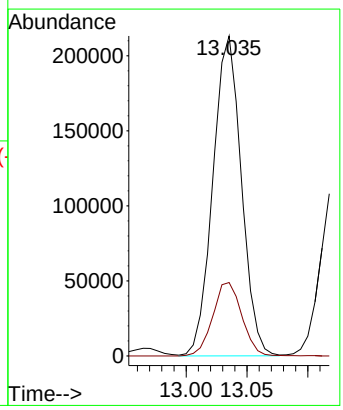
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

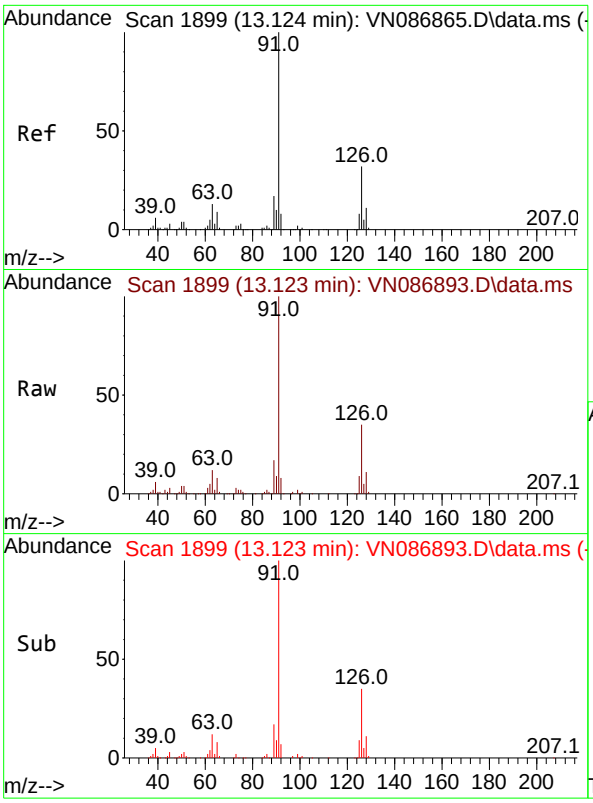


#78
n-propylbenzene
Concen: 19.379 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 346865

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2

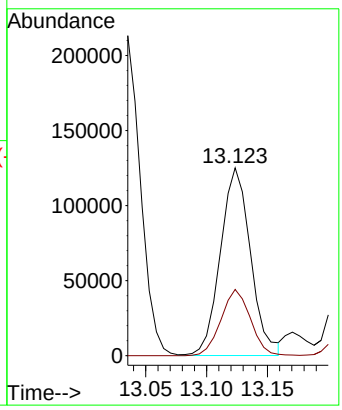




#79
2-Chlorotoluene
Concen: 20.152 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 21631

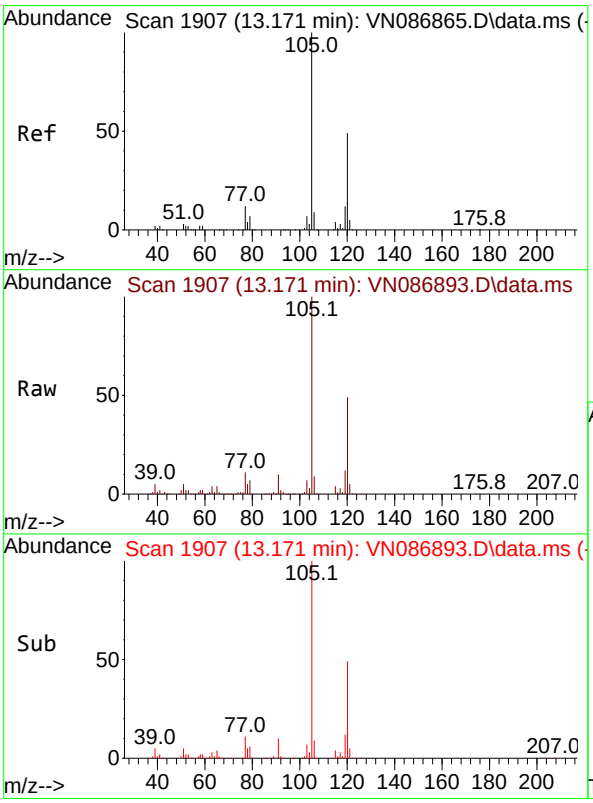
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

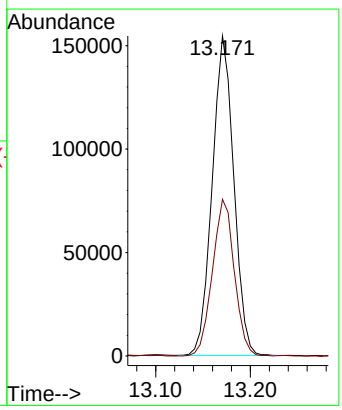
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

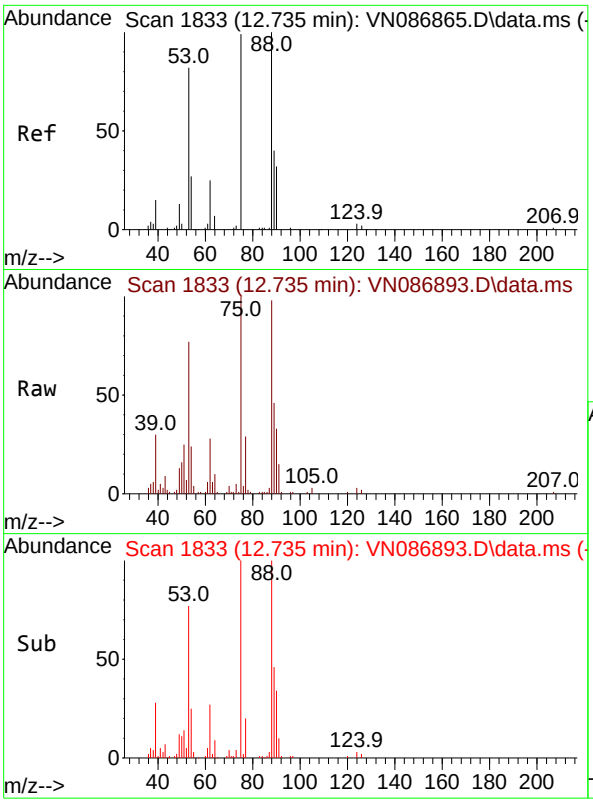


#80
1,3,5-Trimethylbenzene
Concen: 20.079 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 244158

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6

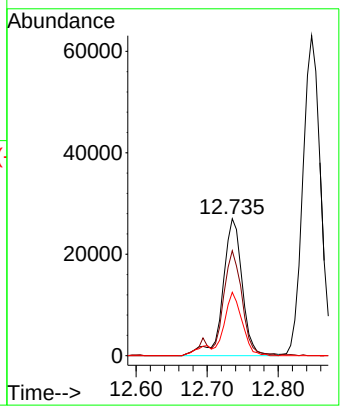




#81
trans-1,4-Dichloro-2-butene
Concen: 24.461 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 5106

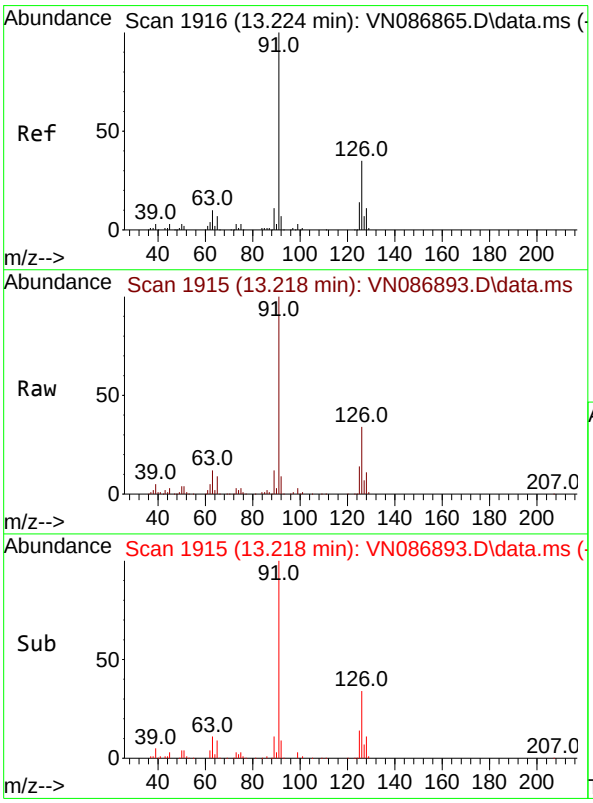
Ion	Ratio	Lower	Upper
75	100		
53	72.4	66.6	99.8
89	42.1	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

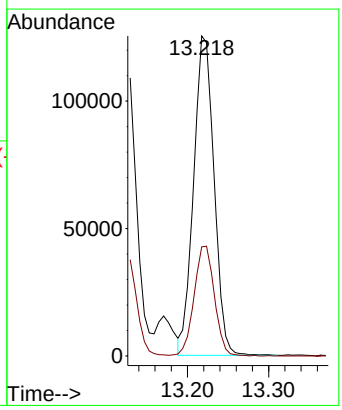
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

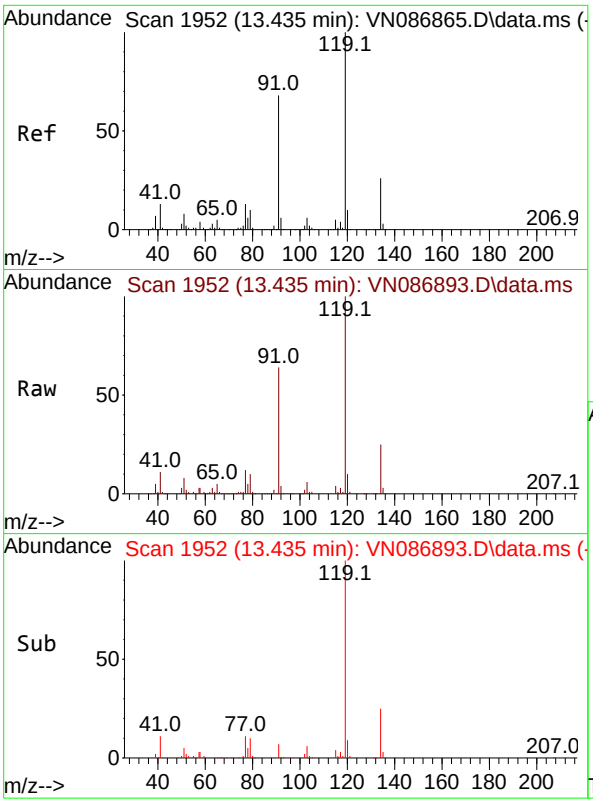


#82
4-Chlorotoluene
Concen: 20.227 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 219687

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.1

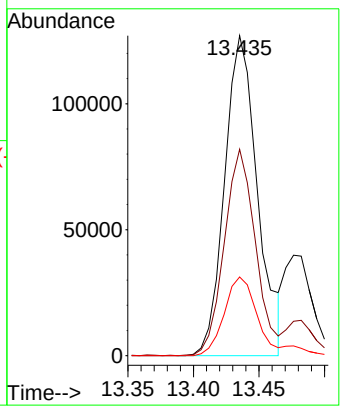




#83
tert-Butylbenzene
Concen: 19.927 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:119 Resp: 22180

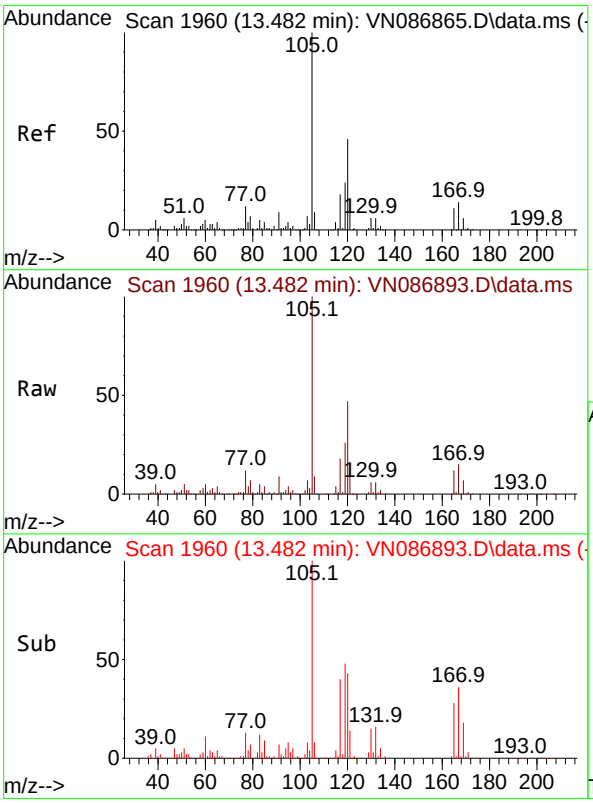
Ion	Ratio	Lower	Upper
119	100		
91	61.3	32.1	96.5
134	26.2	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

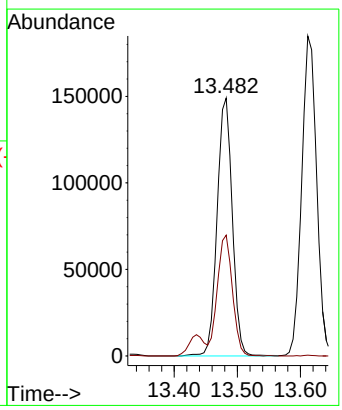
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

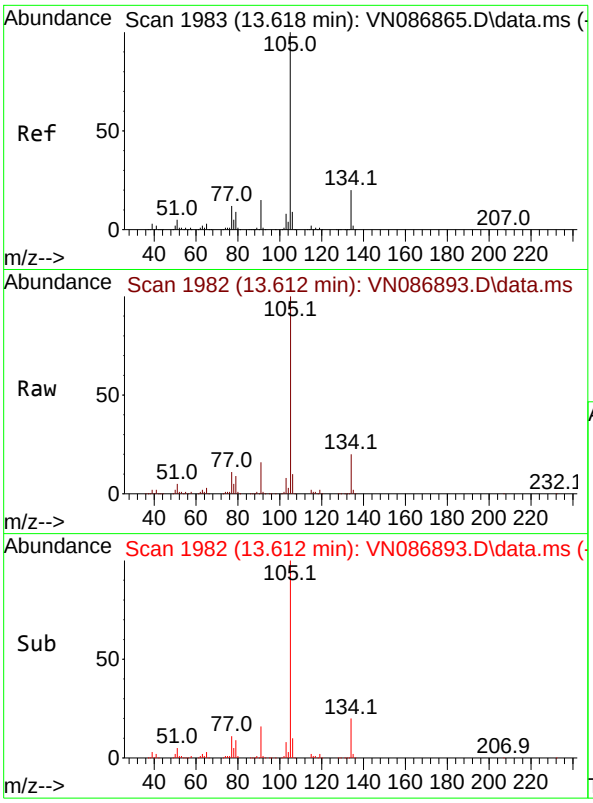


#84
1,2,4-Trimethylbenzene
Concen: 20.416 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 248941

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6

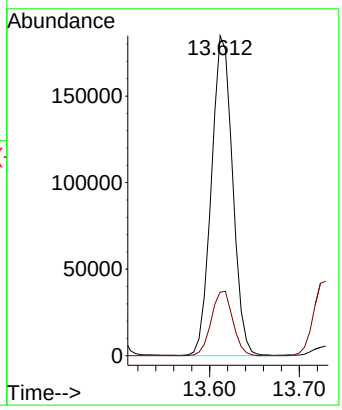




#85
sec-Butylbenzene
Concen: 18.792 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 30376

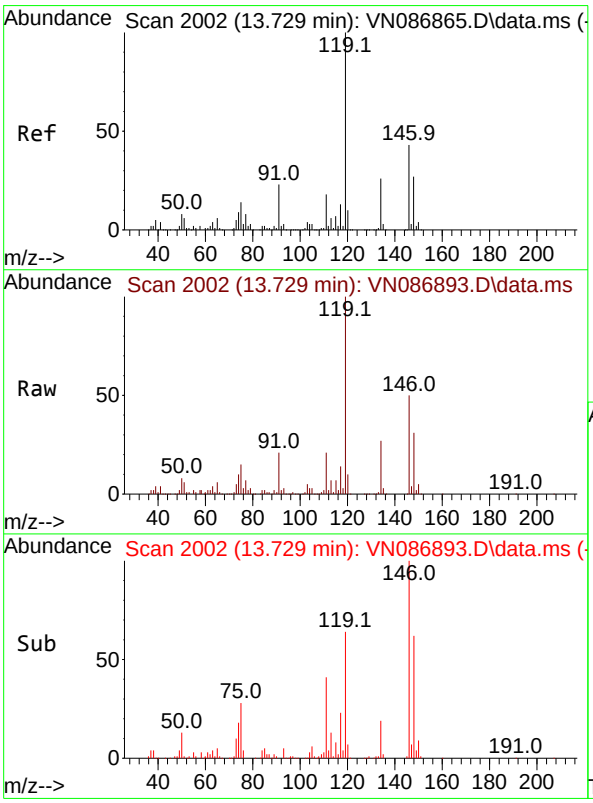
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

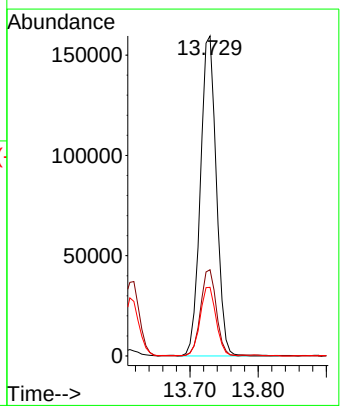
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

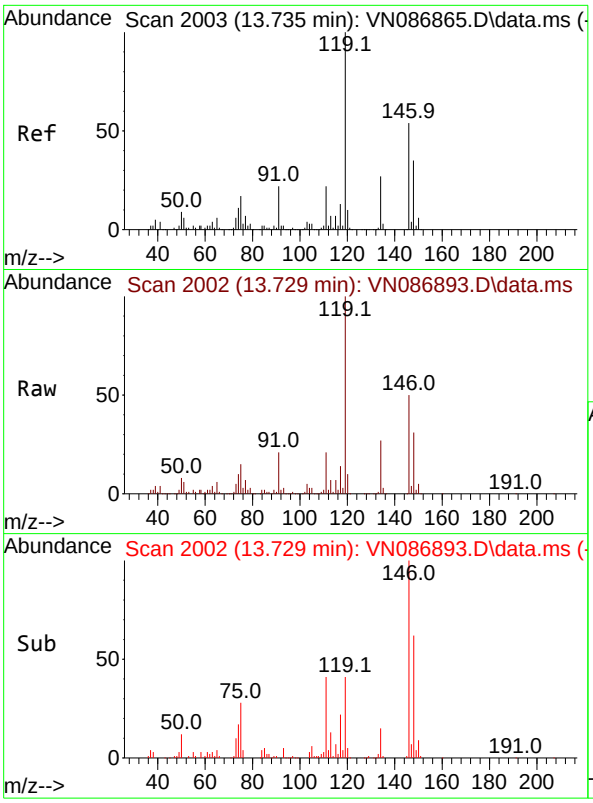


#86
p-Isopropyltoluene
Concen: 19.440 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:119 Resp: 259754

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	21.2	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 21.181 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

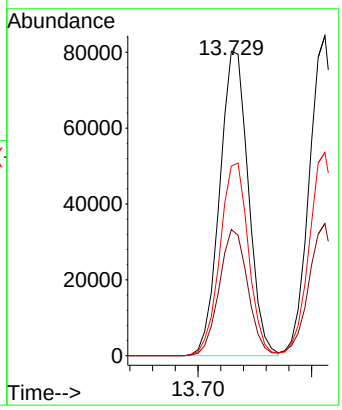
Tgt Ion:146 Resp: 14076

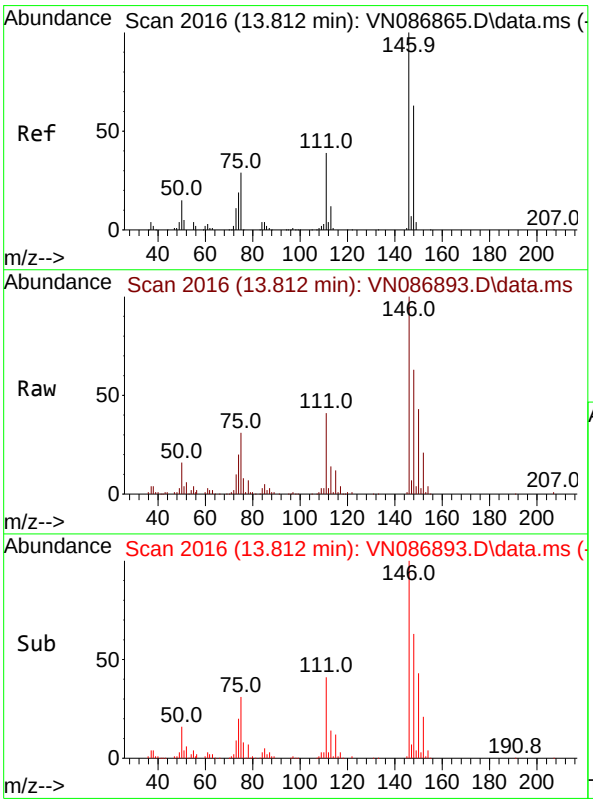
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	63.0	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

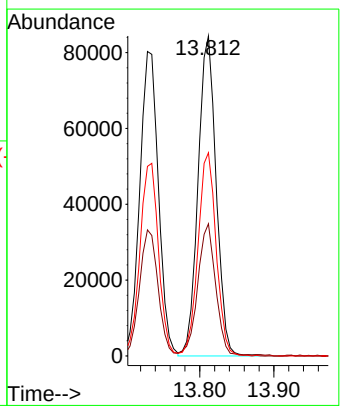


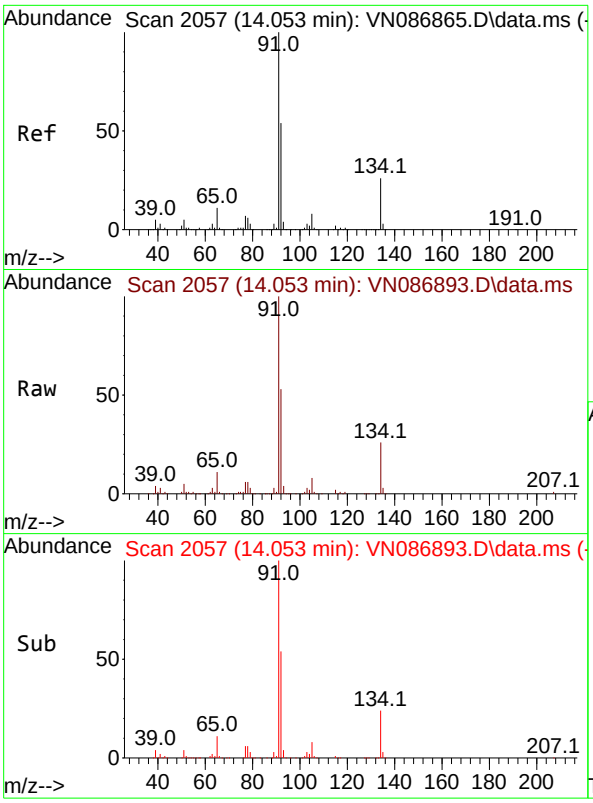


#88
1,4-Dichlorobenzene
Concen: 21.117 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:146 Resp: 143075

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.6	31.8	95.4





#89
n-Butylbenzene
Concen: 18.204 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

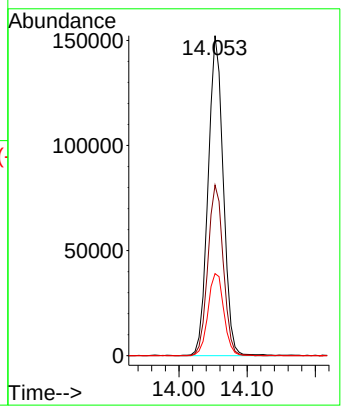
Tgt Ion: 91 Resp: 23560

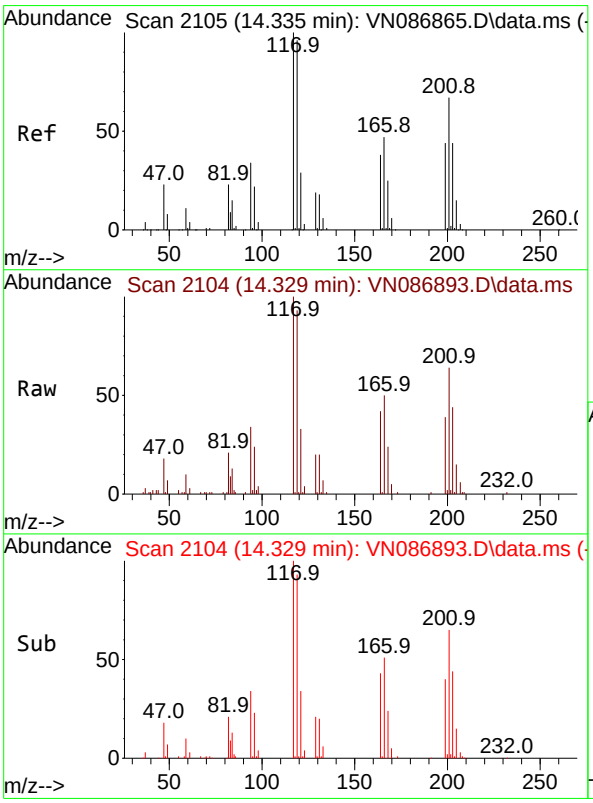
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	26.8	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

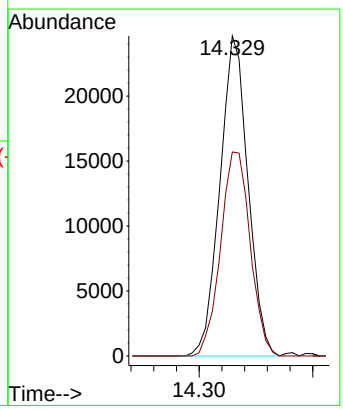


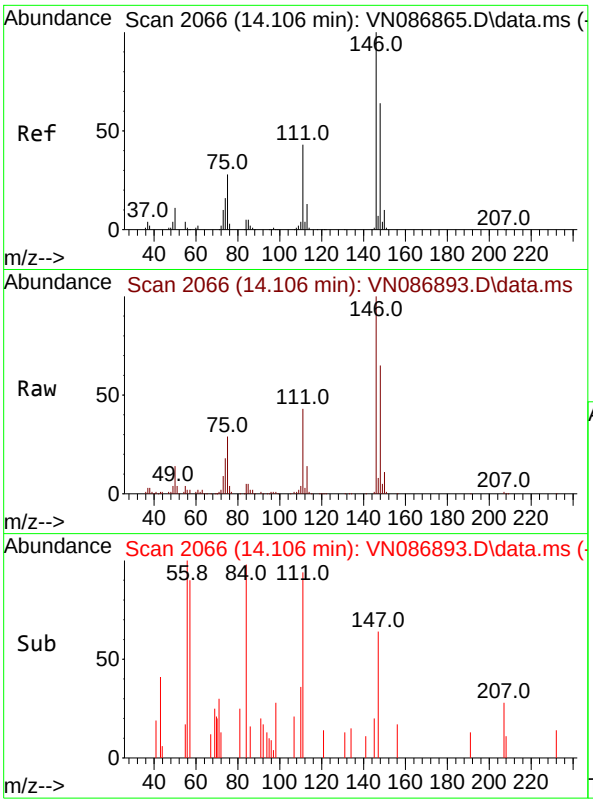


#90
Hexachloroethane
Concen: 18.625 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:117 Resp: 42184

Ion	Ratio	Lower	Upper
117	100		
201	67.4	33.2	99.6

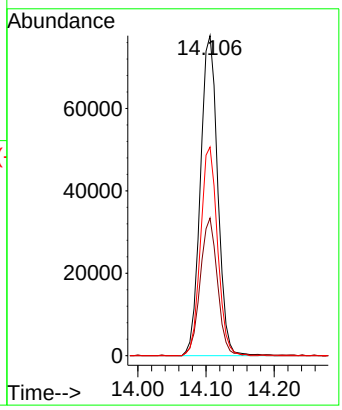




#91
1,2-Dichlorobenzene
Concen: 21.435 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:146 Resp: 13685

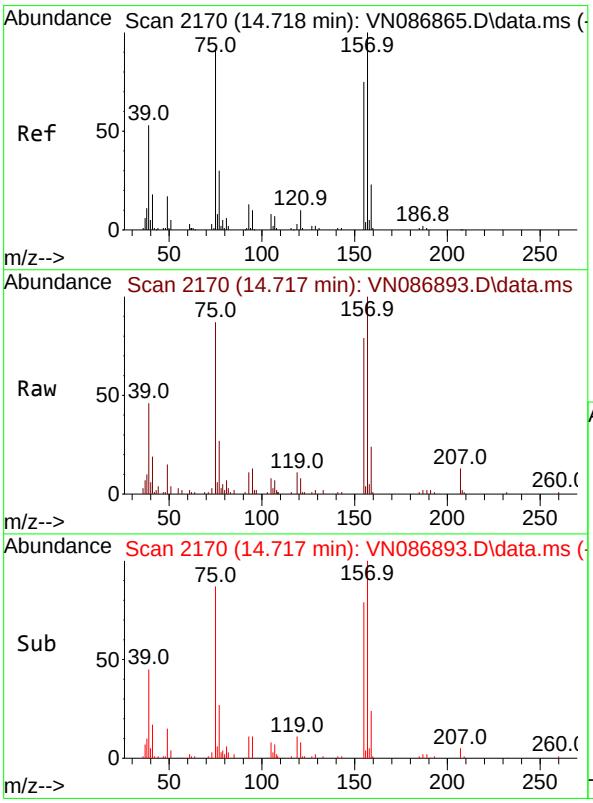
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	64.2	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
APPROVED

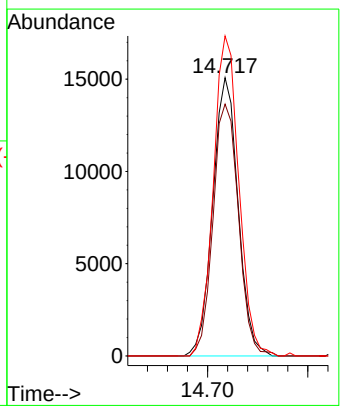
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

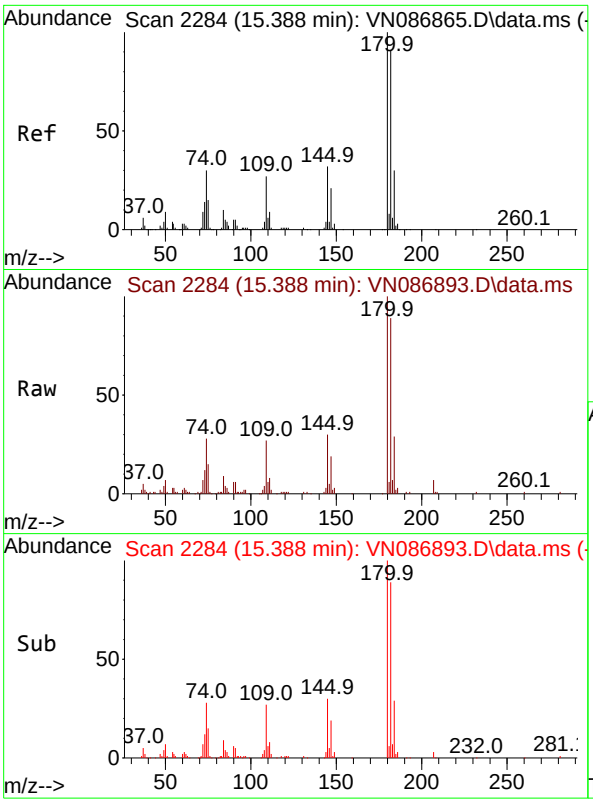


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.219 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 26513

Ion	Ratio	Lower	Upper
75	100		
155	90.6	41.1	123.4
157	115.7	52.7	158.1

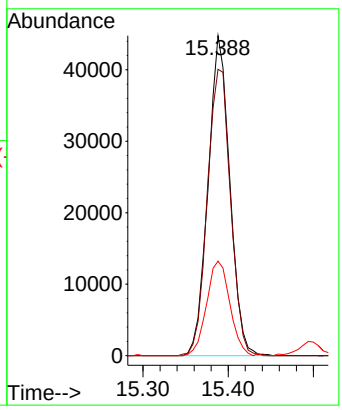




#93
1,2,4-Trichlorobenzene
Concen: 19.464 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:180 Resp: 7935

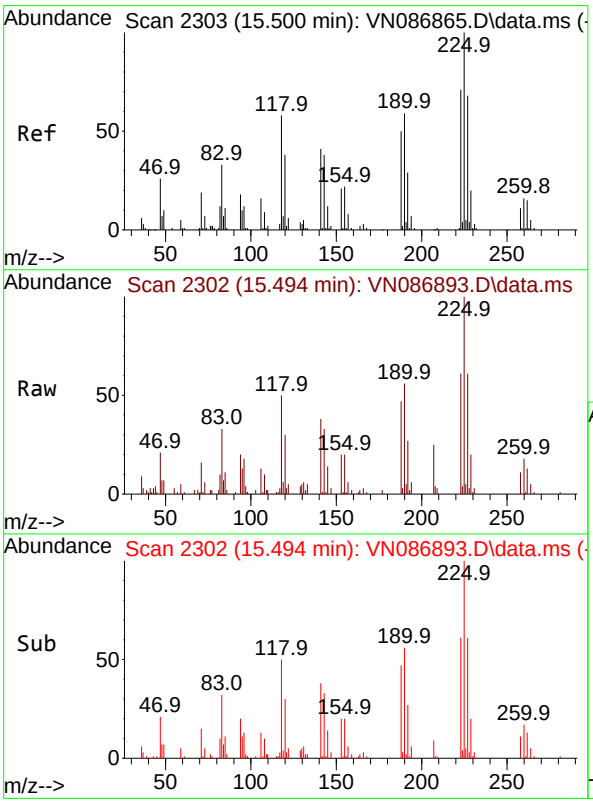
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	31.7	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations
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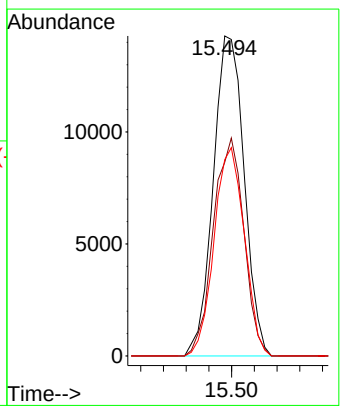
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

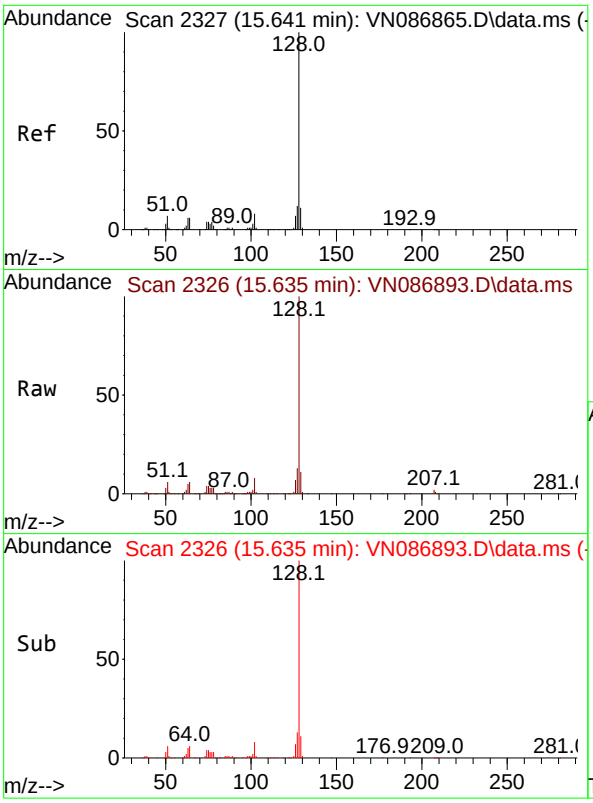


#94
Hexachlorobutadiene
Concen: 17.787 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:225 Resp: 27017

Ion	Ratio	Lower	Upper
225	100		
223	67.1	33.5	100.4
227	63.7	31.1	93.5

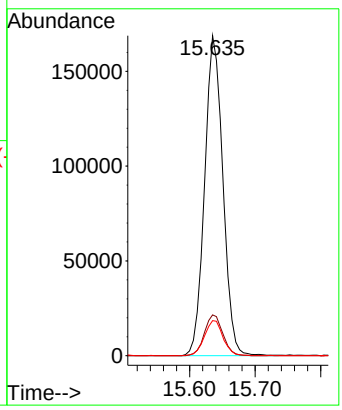




#95
Naphthalene
Concen: 21.587 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:128 Resp: 32759

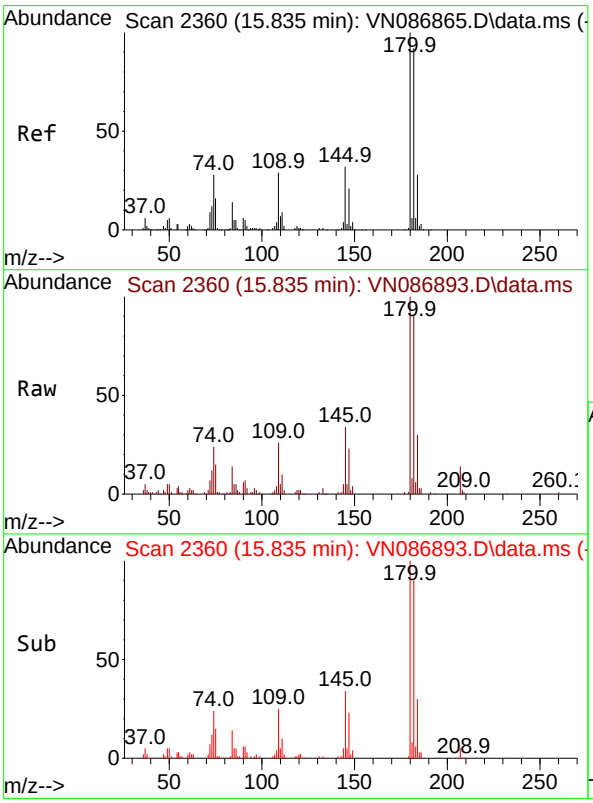
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

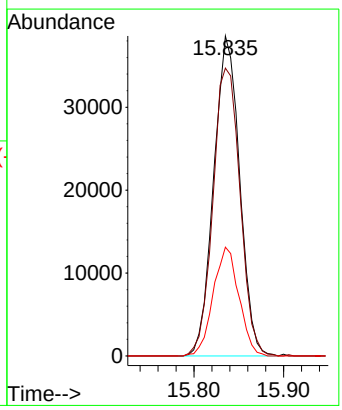
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.122 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:180 Resp: 77458

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.0
145	33.8	16.6	49.8



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBSD01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086902.D	1		06/09/25 14:04	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.5		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	76.9		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	82.3		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.8		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	86.5		0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0609WBSD01	SDG No.:	Q2254
Lab Sample ID:	VN0609WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086902.D	1		06/09/25 14:04	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.4		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.1		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.5		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.4		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	262000	8.23				
540-36-3	1,4-Difluorobenzene	463000	9.106				
3114-55-4	Chlorobenzene-d5	392000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.788				

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_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	261604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	155677	44.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.900%			
35) Dibromofluoromethane	8.177	113	138371	50.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.565	98	523398	48.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.847	95	192426	47.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	49965	19.156	ug/l	97
3) Chloromethane	2.401	50	52285	15.523	ug/l	97
4) Vinyl Chloride	2.554	62	63164	18.179	ug/l	98
5) Bromomethane	3.001	94	33037	16.991	ug/l	97
6) Chloroethane	3.159	64	40895	18.222	ug/l	96
7) Trichlorofluoromethane	3.536	101	86708	19.101	ug/l	94
8) Diethyl Ether	3.983	74	39083	19.760	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.406	101	51965	18.220	ug/l	97
10) Methyl Iodide	4.618	142	46201	12.496	ug/l	99
11) Tert butyl alcohol	5.536	59	79160	83.292	ug/l	100
12) 1,1-Dichloroethene	4.365	96	56740	19.487	ug/l	93
13) Acrolein	4.206	56	25830	85.862	ug/l	96
14) Allyl chloride	5.048	41	79237	16.409	ug/l	95
15) Acrylonitrile	5.736	53	194819	87.701	ug/l	100
16) Acetone	4.448	43	142818	76.889	ug/l	98
17) Carbon Disulfide	4.742	76	140783	17.480	ug/l	98
18) Methyl Acetate	5.048	43	91360	16.878	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	202158	19.175	ug/l	99
20) Methylene Chloride	5.300	84	62323	17.922	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	60645	18.720	ug/l	92
22) Diisopropyl ether	6.683	45	179323	17.617	ug/l	94
23) Vinyl Acetate	6.618	43	758661	88.215	ug/l	97
24) 1,1-Dichloroethane	6.583	63	107933	18.425	ug/l	98
25) 2-Butanone	7.494	43	248457	82.292	ug/l	95
26) 2,2-Dichloropropane	7.500	77	85897	18.851	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	73368	18.937	ug/l	96
28) Bromochloromethane	7.824	49	47379	16.450	ug/l	87
29) Tetrahydrofuran	7.853	42	163380	83.068	ug/l	93
30) Chloroform	7.977	83	107556	18.386	ug/l	99
31) Cyclohexane	8.271	56	90403	15.914	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	92483	18.588	ug/l	93
36) 1,1-Dichloropropene	8.377	75	78110	19.123	ug/l	99
37) Ethyl Acetate	7.571	43	93294	17.942	ug/l	98
38) Carbon Tetrachloride	8.371	117	77600	19.351	ug/l	99
39) Methylcyclohexane	9.606	83	91033	16.268	ug/l	96
40) Benzene	8.612	78	254036	19.020	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	52205	17.877	ug/l		95
42) 1,2-Dichloroethane	8.677	62	75987	18.757	ug/l		98
43) Isopropyl Acetate	8.694	43	146007	17.495	ug/l		95
44) Trichloroethene	9.359	130	64635	20.408	ug/l		96
45) 1,2-Dichloropropane	9.624	63	60591	18.646	ug/l		100
46) Dibromomethane	9.712	93	43406	20.111	ug/l		96
47) Bromodichloromethane	9.894	83	85075	19.158	ug/l		100
48) Methyl methacrylate	9.682	41	66751	17.378	ug/l		96
49) 1,4-Dioxane	9.700	88	25844	369.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	448816	89.334	ug/l		96
52) Toluene	10.630	92	161571	19.794	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	98270	19.790	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	104098	19.593	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	61721	19.651	ug/l		97
56) Ethyl methacrylate	10.882	69	100979	20.185	ug/l		93
57) 1,3-Dichloropropane	11.165	76	105036	19.278	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	239383	80.228	ug/l		96
59) 2-Hexanone	11.206	43	279871	86.483	ug/l		91
60) Dibromochloromethane	11.359	129	66878	20.437	ug/l		99
61) 1,2-Dibromoethane	11.471	107	64475	20.028	ug/l		99
64) Tetrachloroethene	11.106	164	47676	19.204	ug/l		96
65) Chlorobenzene	11.894	112	175411	20.274	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	58317	20.968	ug/l		97
67) Ethyl Benzene	11.965	91	290096	19.466	ug/l		99
68) m/p-Xylenes	12.071	106	226281	39.665	ug/l		98
69) o-Xylene	12.394	106	109915	20.117	ug/l		97
70) Styrene	12.412	104	187888	20.096	ug/l		99
71) Bromoform	12.576	173	44372	21.533	ug/l	#	100
73) Isopropylbenzene	12.694	105	266966	20.030	ug/l		99
74) N-amyl acetate	12.524	43	86229	18.514	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	96951	21.472	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	94554m	21.742	ug/l		
77) Bromobenzene	12.982	156	67800	22.181	ug/l		93
78) n-propylbenzene	13.035	91	314811	19.436	ug/l		99
79) 2-Chlorotoluene	13.123	91	189034	19.460	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	220034	19.996	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	41191	21.803	ug/l		92
82) 4-Chlorotoluene	13.218	91	196983	20.042	ug/l		99
83) tert-Butylbenzene	13.435	119	192556	19.116	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	220449	19.978	ug/l		99
85) sec-Butylbenzene	13.612	105	274677	18.777	ug/l		98
86) p-Isopropyltoluene	13.729	119	231742	19.165	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	124137	20.642	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	126650	20.656	ug/l		100
89) n-Butylbenzene	14.053	91	207489	17.715	ug/l		98
90) Hexachloroethane	14.329	117	39127	19.090	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	121942	21.105	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21661	20.059	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	70202	19.028	ug/l		100
94) Hexachlorobutadiene	15.500	225	24178	17.589	ug/l		96
95) Naphthalene	15.635	128	379545	27.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	65394	17.840	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

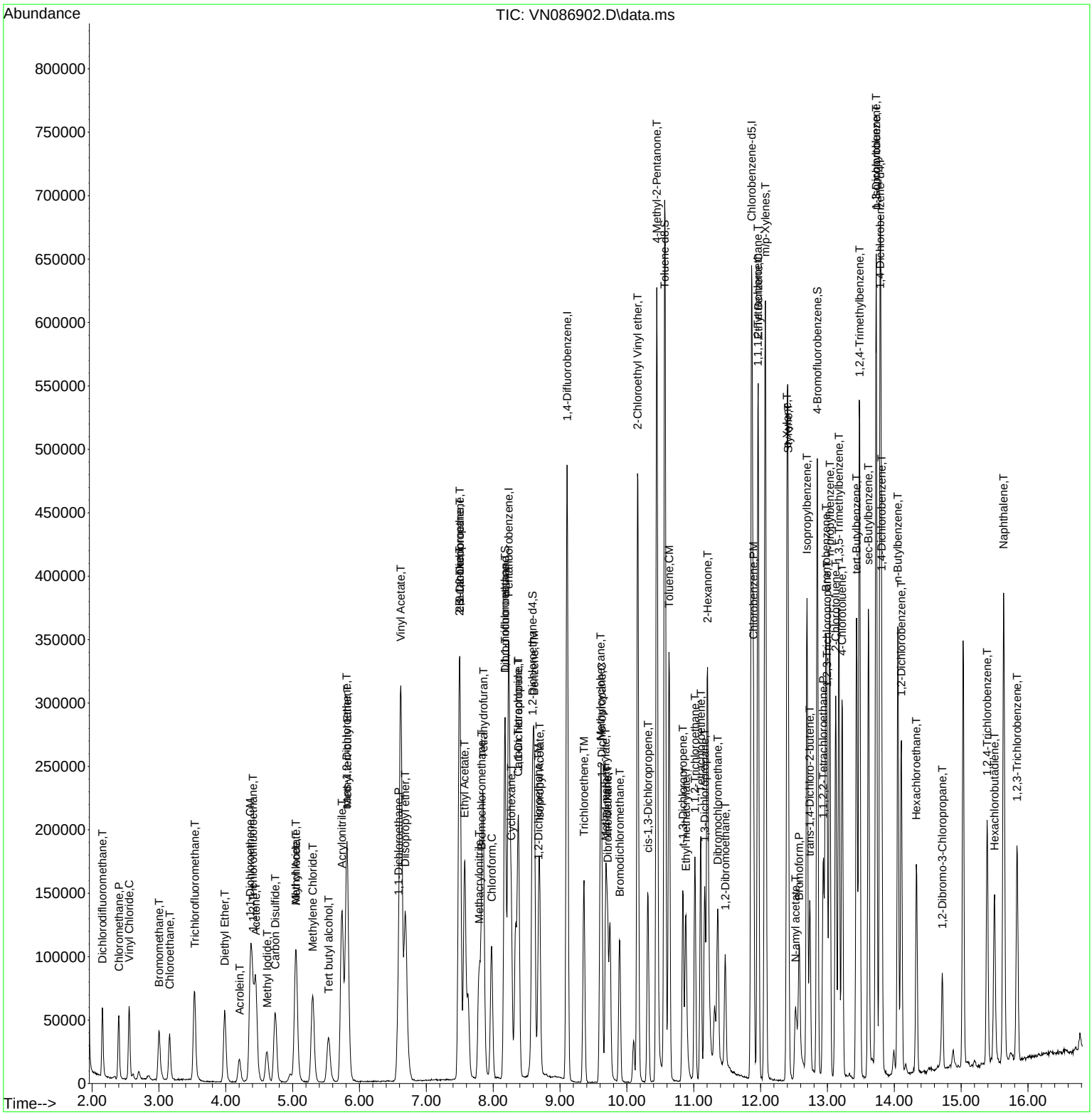
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Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

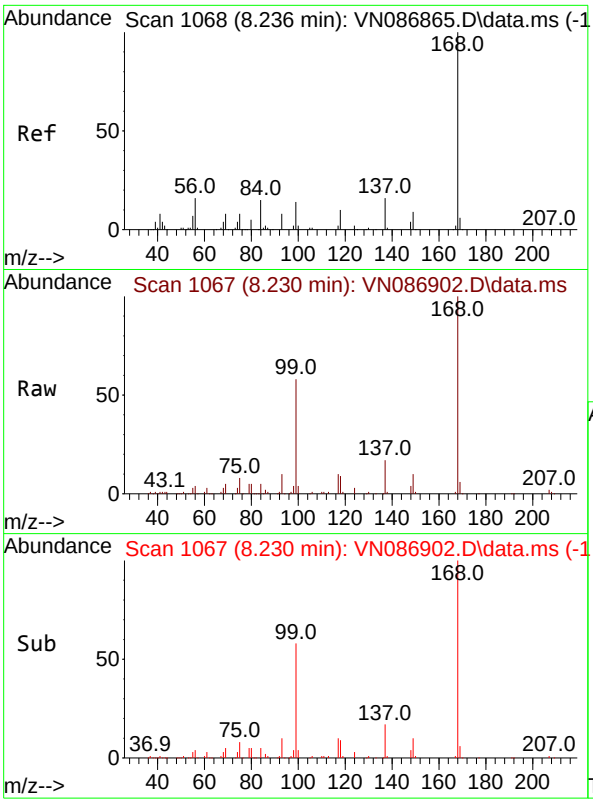
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

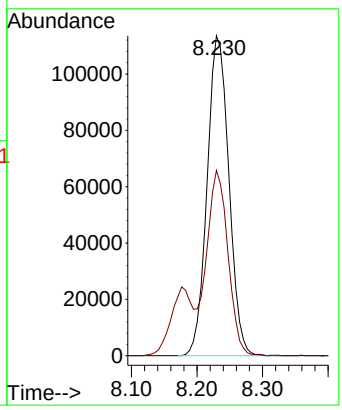




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:168 Resp: 26160

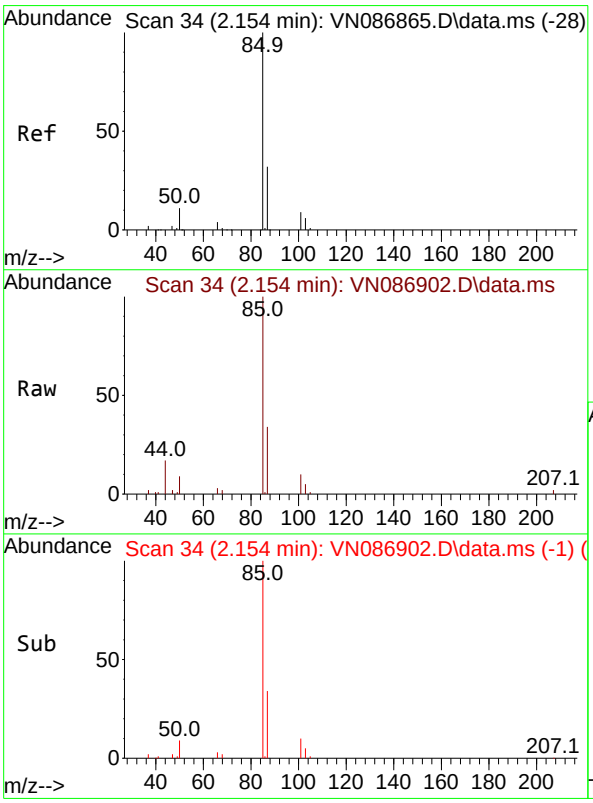
Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

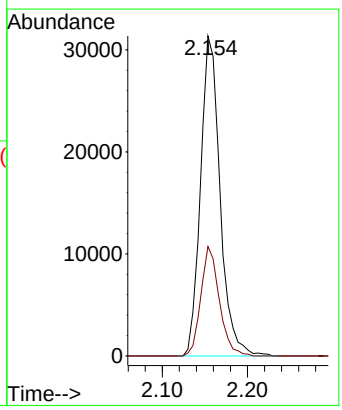
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

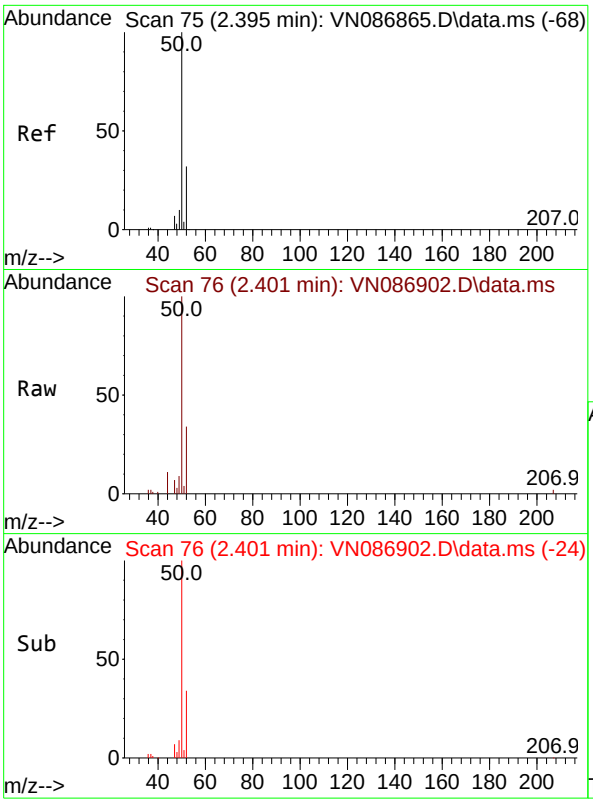


#2
Dichlorodifluoromethane
Concen: 19.156 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 85 Resp: 49965

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.2	48.6

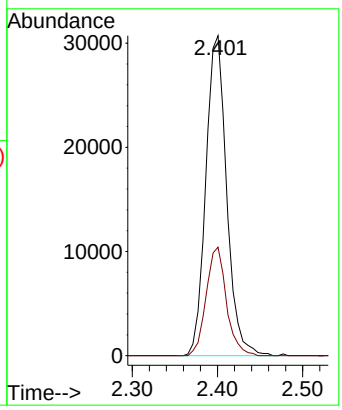




#3
Chloromethane
Concen: 15.523 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 50 Resp: 5228

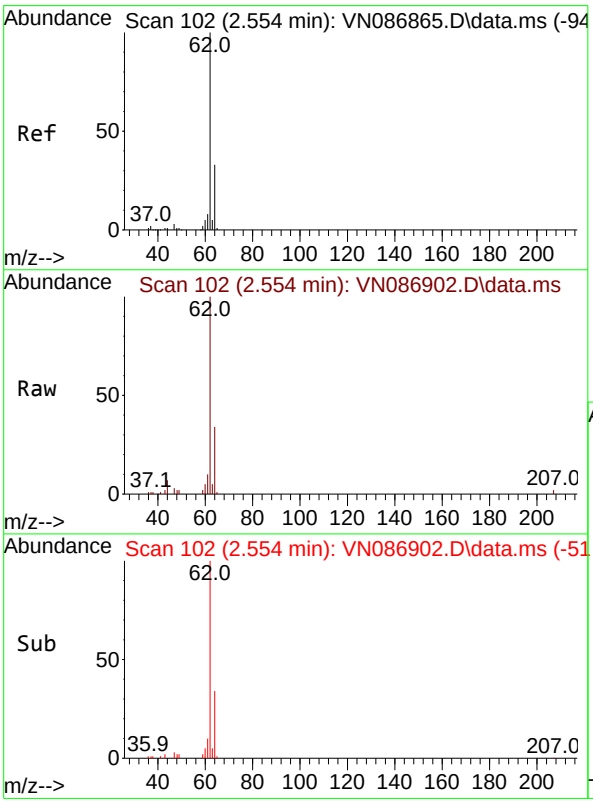
Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

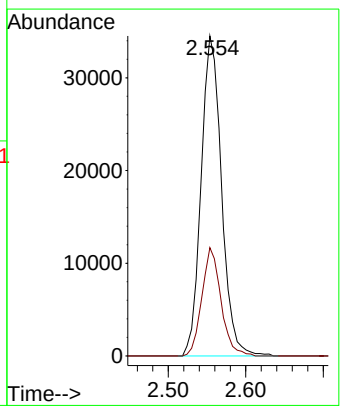
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

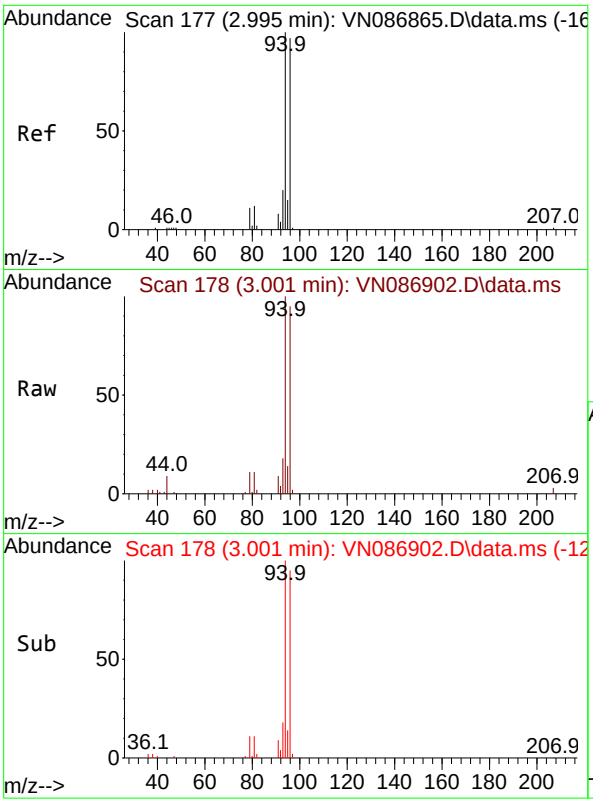


#4
Vinyl Chloride
Concen: 18.179 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 62 Resp: 63164

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.0	39.0

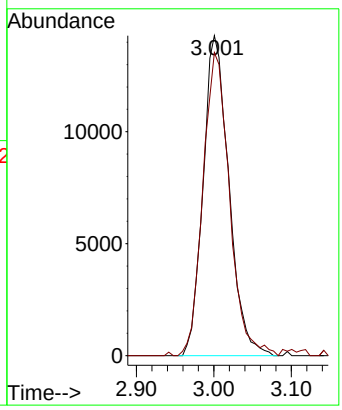




#5
Bromomethane
Concen: 16.991 ug/l
RT: 3.001 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 94 Resp: 3303

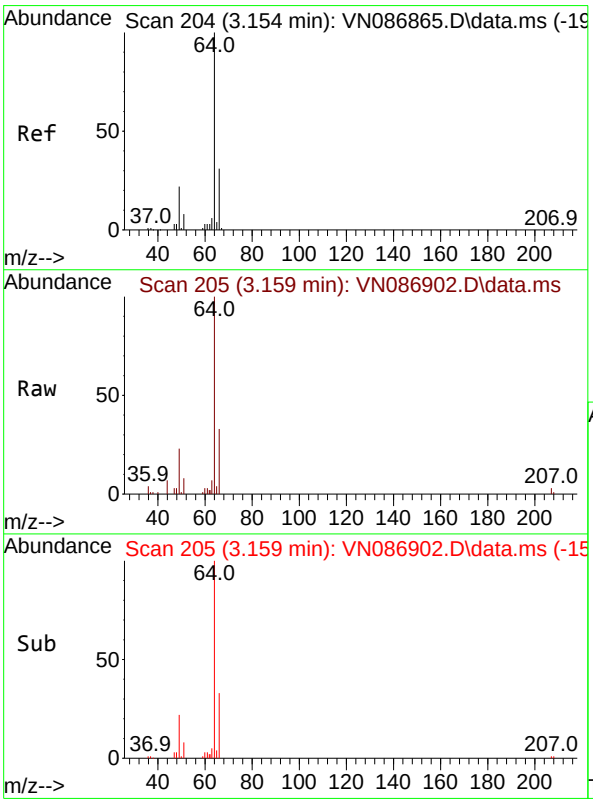
Ion	Ratio	Lower	Upper
94	100		
96	94.7	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

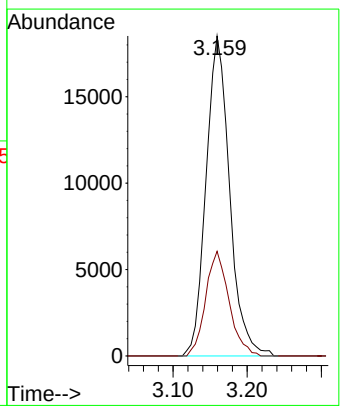
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

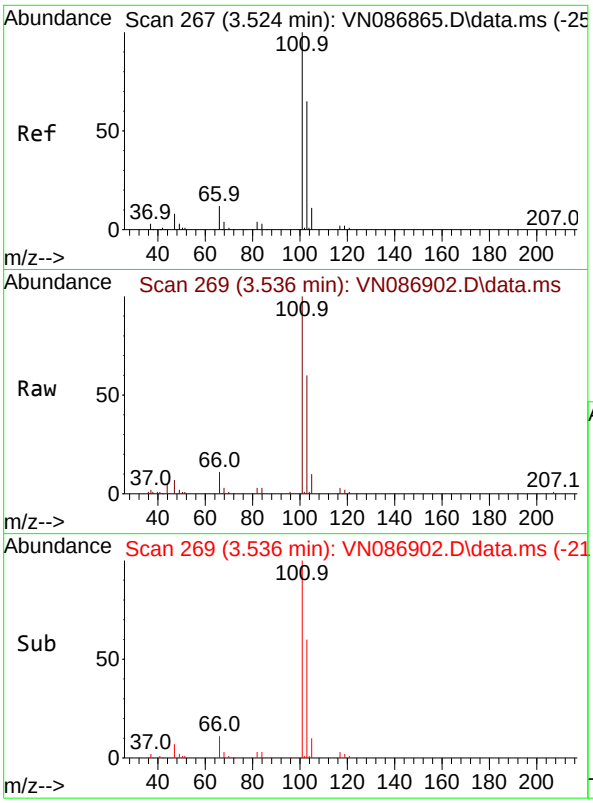


#6
Chloroethane
Concen: 18.222 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 64 Resp: 40895

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8

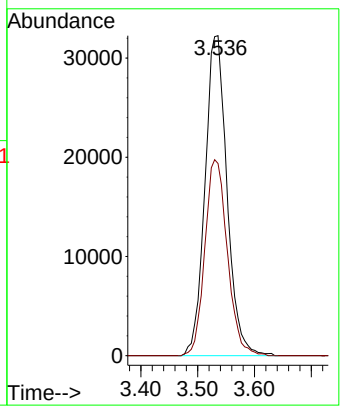




#7
Trichlorofluoromethane
Concen: 19.101 ug/l
RT: 3.536 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:101 Resp: 8670

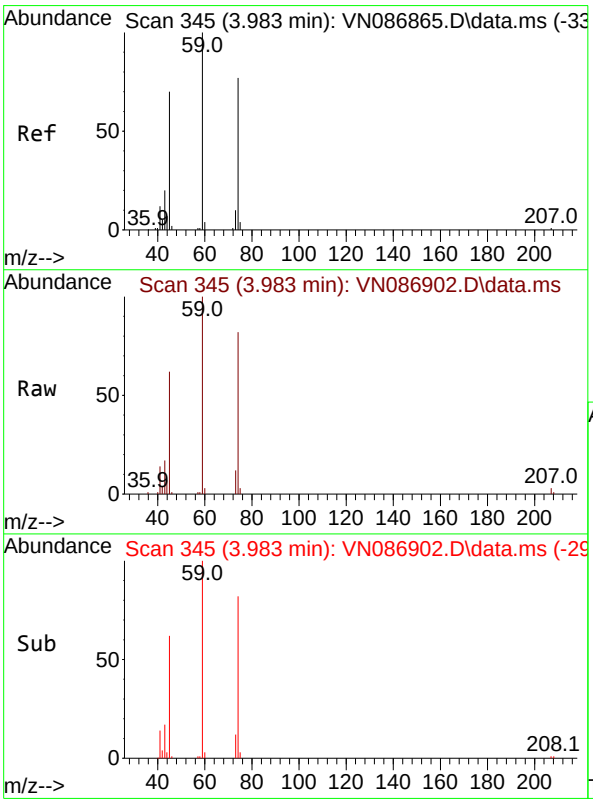
Ion	Ratio	Lower	Upper
101	100		
103	60.1	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

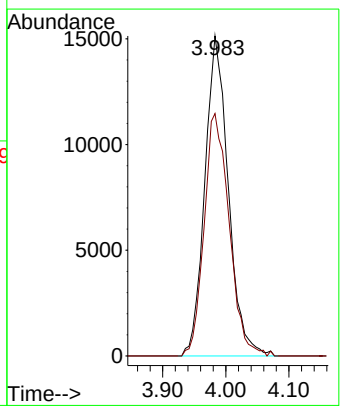
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

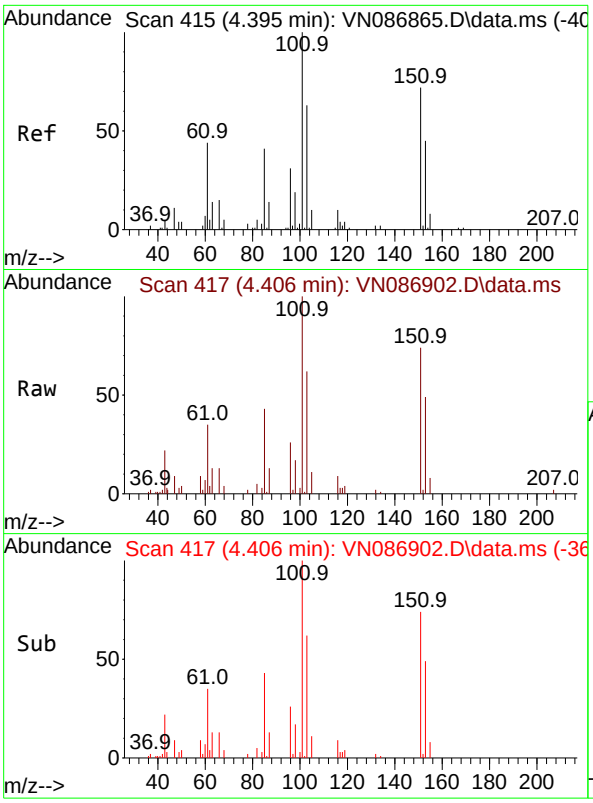


#8
Diethyl Ether
Concen: 19.760 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 74 Resp: 39083

Ion	Ratio	Lower	Upper
74	100		
45	81.0	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.220 ug/l
RT: 4.406 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

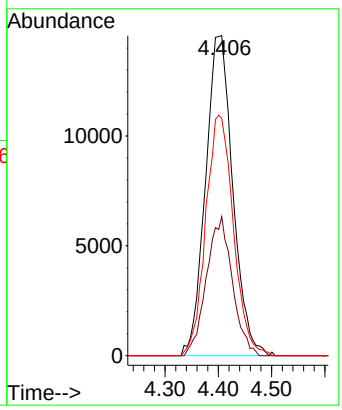
Tgt Ion:101 Resp: 5196

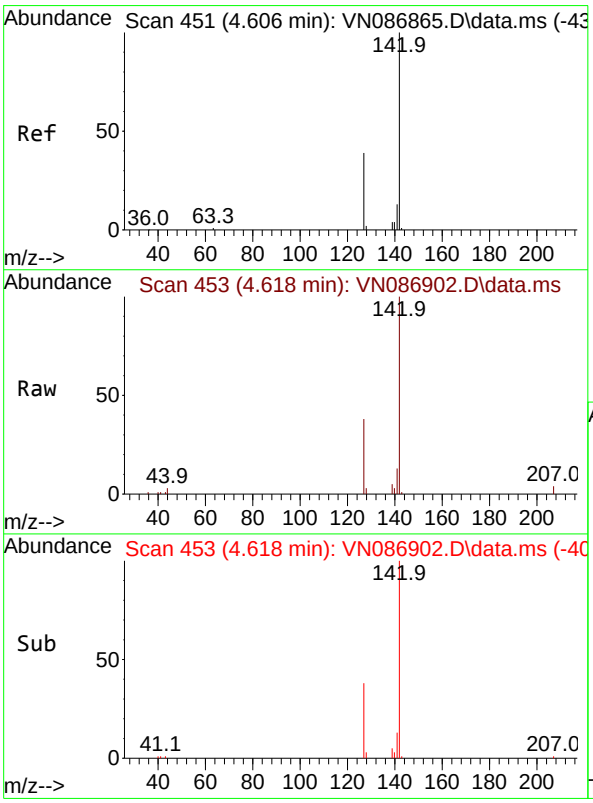
Ion	Ratio	Lower	Upper
101	100		
85	41.1	33.8	50.8
151	76.0	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

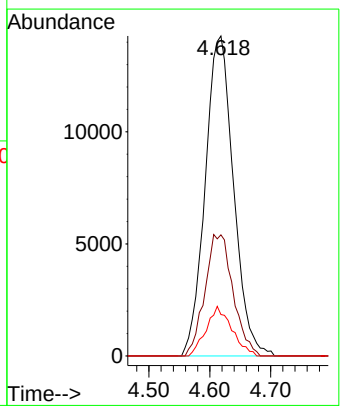


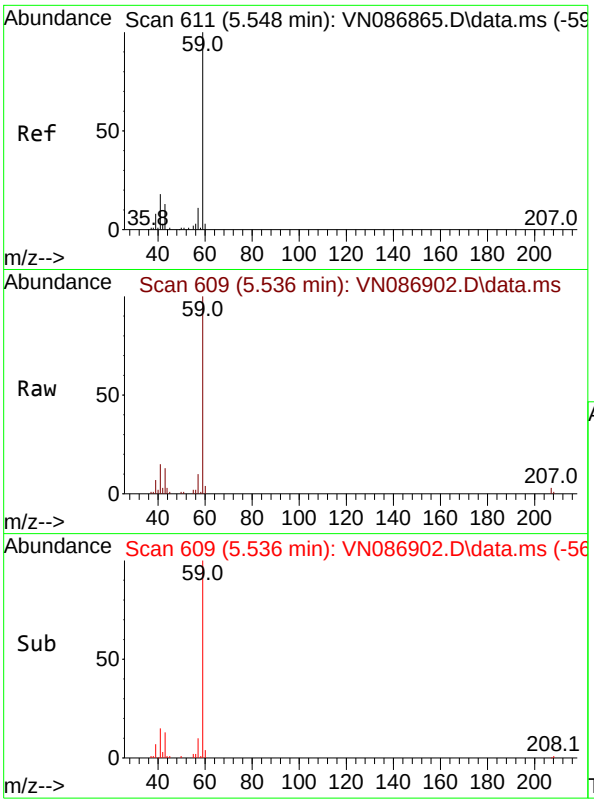


#10
Methyl Iodide
Concen: 12.496 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:142 Resp: 46201

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	12.9	10.4	15.6





#11
Tert butyl alcohol
Concen: 83.292 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

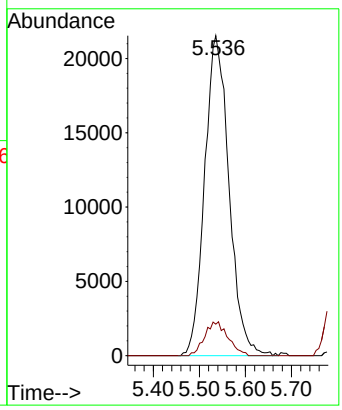
Tgt Ion: 59 Resp: 7916

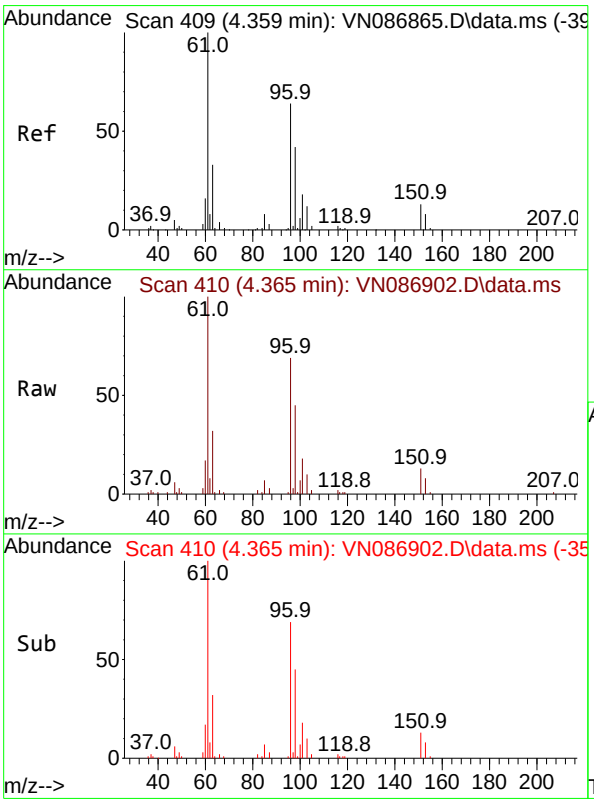
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

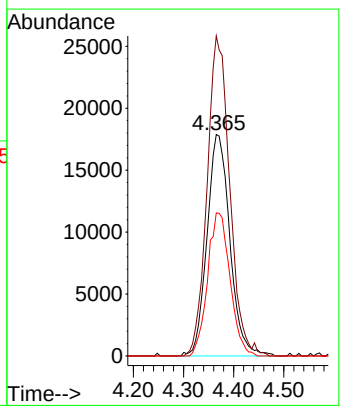


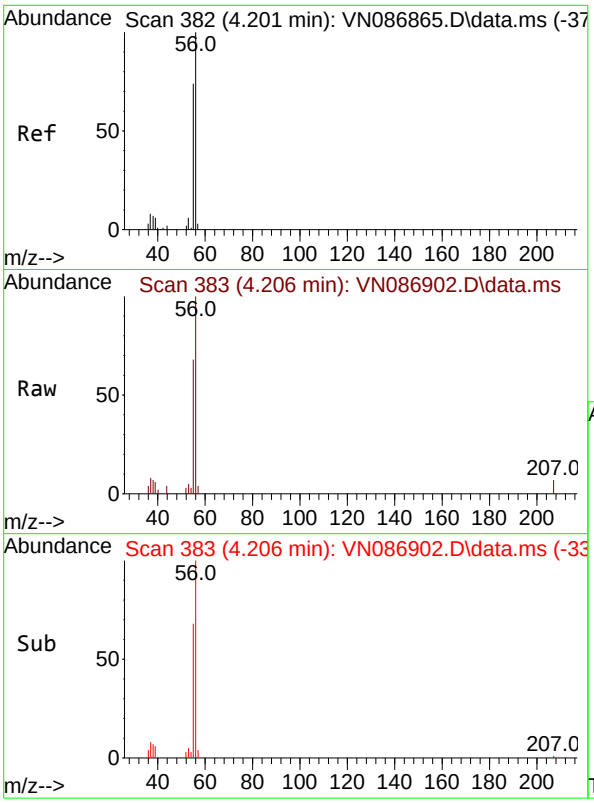


#12
1,1-Dichloroethene
Concen: 19.487 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 96 Resp: 56740

Ion	Ratio	Lower	Upper
96	100		
61	144.5	125.8	188.6
98	64.6	52.5	78.7

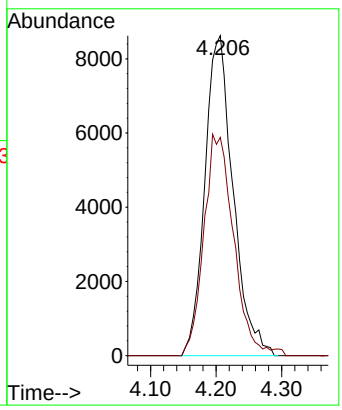




#13
Acrolein
Concen: 85.862 ug/l
RT: 4.206 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 56 Resp: 2583

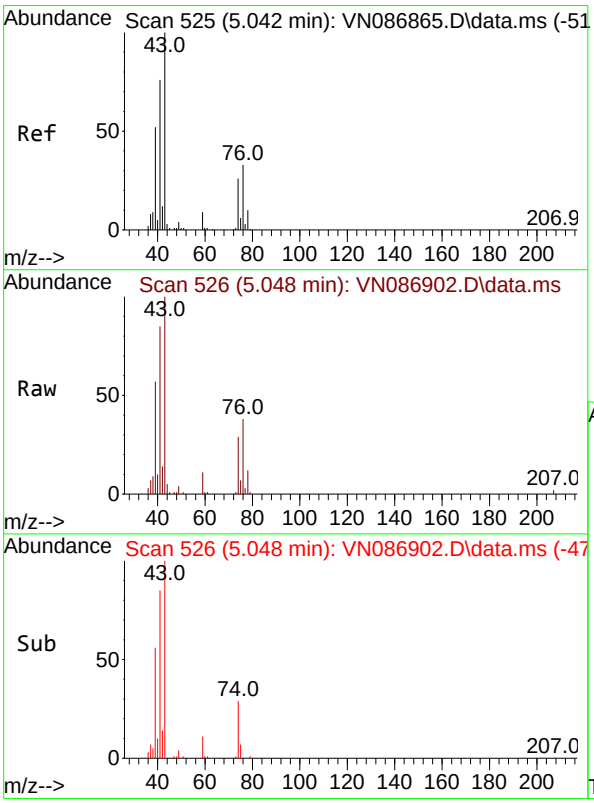
Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

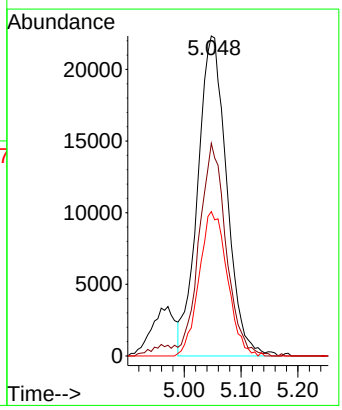
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

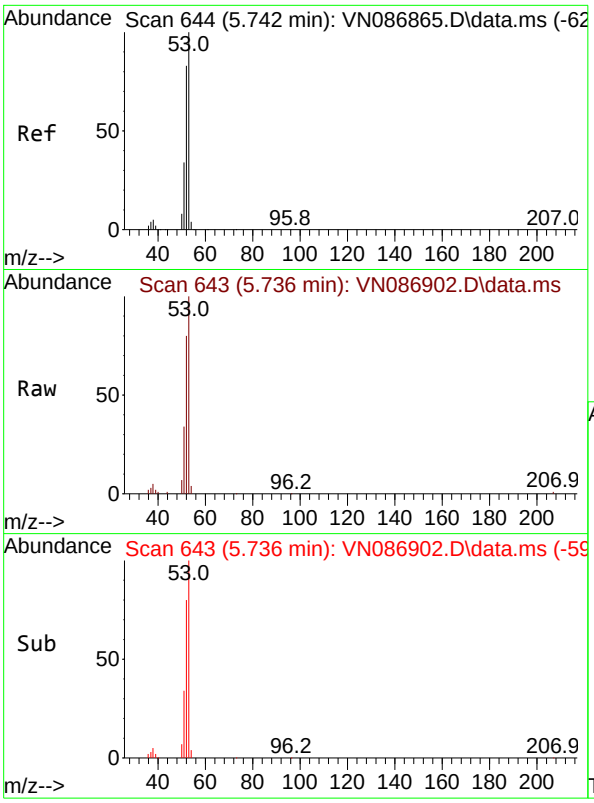


#14
Allyl chloride
Concen: 16.409 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 41 Resp: 79237

Ion	Ratio	Lower	Upper
41	100		
39	61.6	51.3	76.9
76	43.9	31.4	47.0

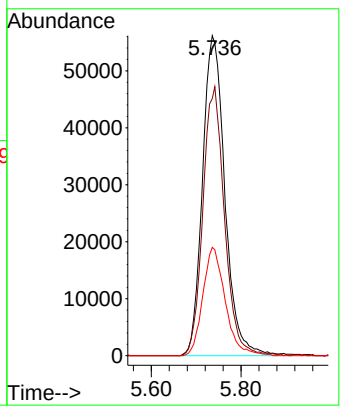




#15
Acrylonitrile
Concen: 87.701 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 53 Resp: 19481

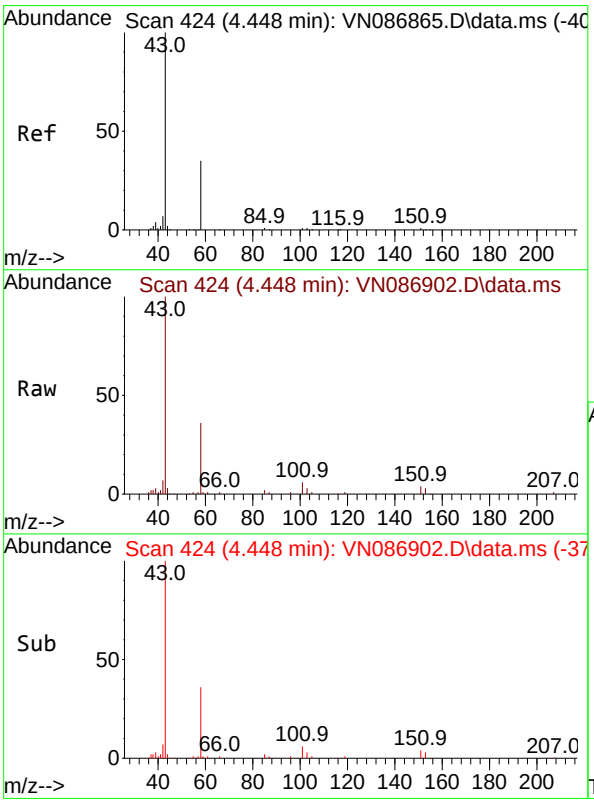
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	33.8	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

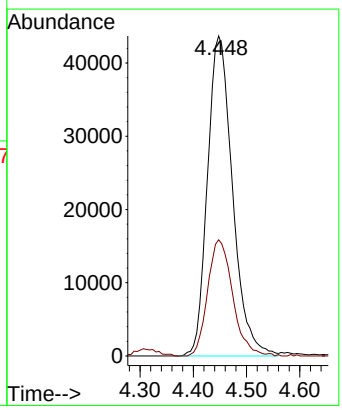
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

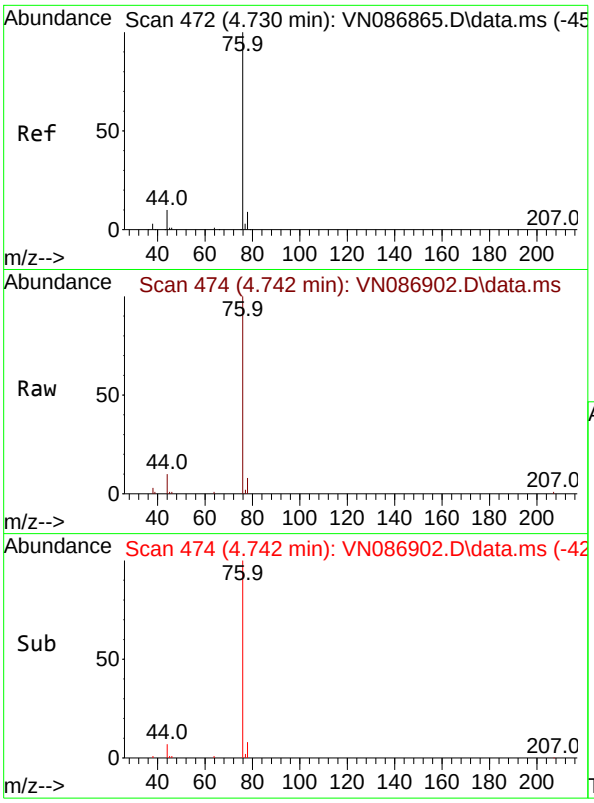


#16
Acetone
Concen: 76.889 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 142818

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.0	42.0

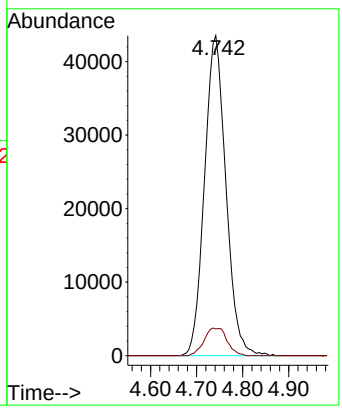




#17
Carbon Disulfide
Concen: 17.480 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 76 Resp: 14078

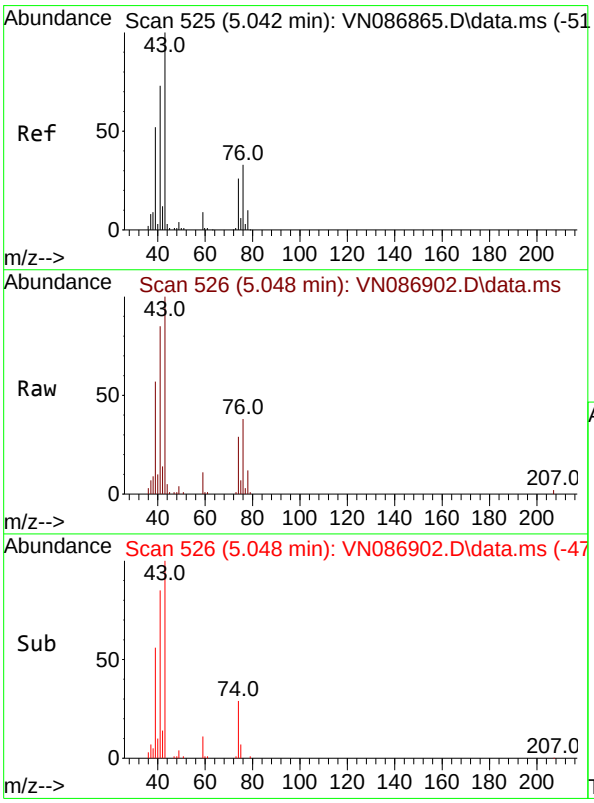
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

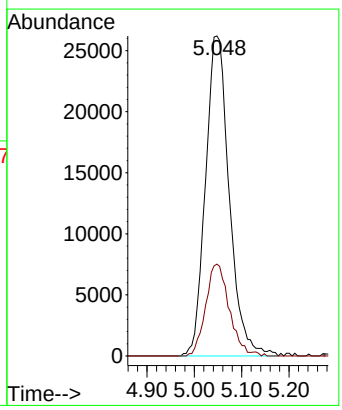
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

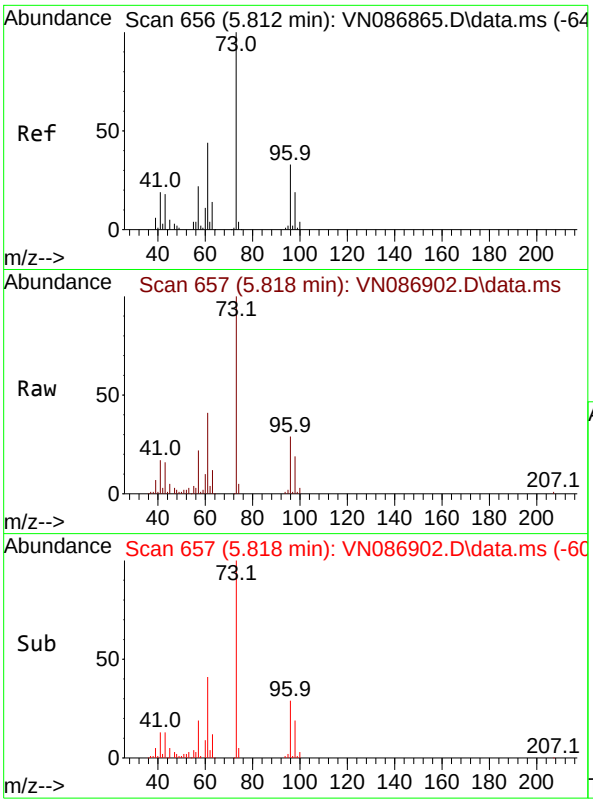


#18
Methyl Acetate
Concen: 16.878 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 91360

Ion	Ratio	Lower	Upper
43	100		
74	28.2	20.7	31.1

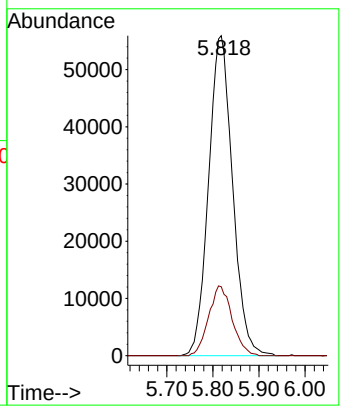




#19
Methyl tert-butyl Ether
Concen: 19.175 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 73 Resp: 20215

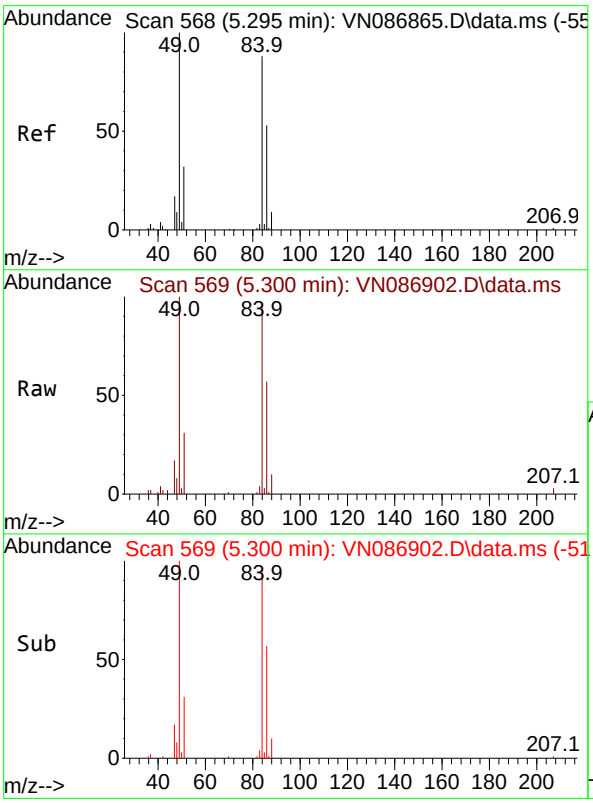
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

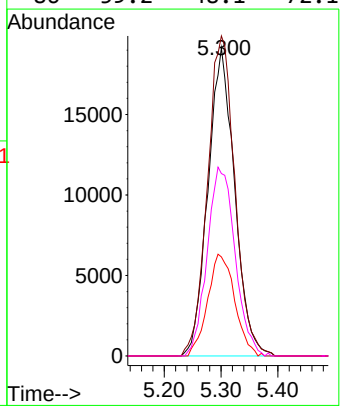
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

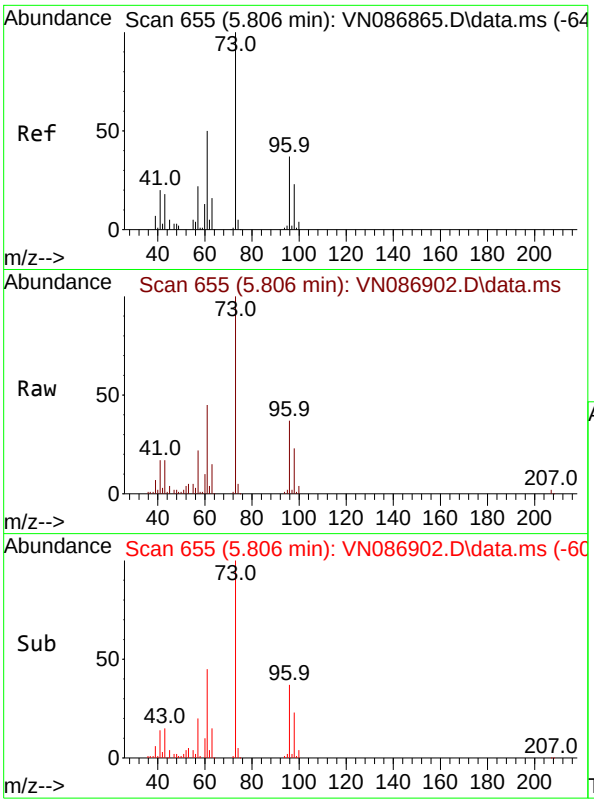


#20
Methylene Chloride
Concen: 17.922 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 84 Resp: 62323

Ion	Ratio	Lower	Upper
84	100		
49	103.8	90.5	135.7
51	32.2	28.5	42.7
86	59.2	48.1	72.1

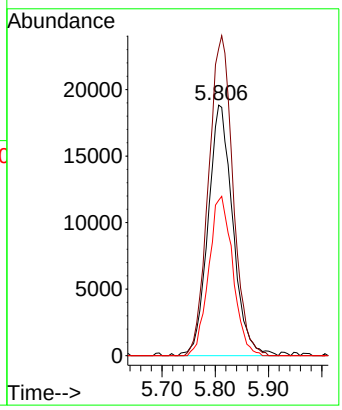




#21
trans-1,2-Dichloroethene
Concen: 18.720 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 96 Resp: 6064

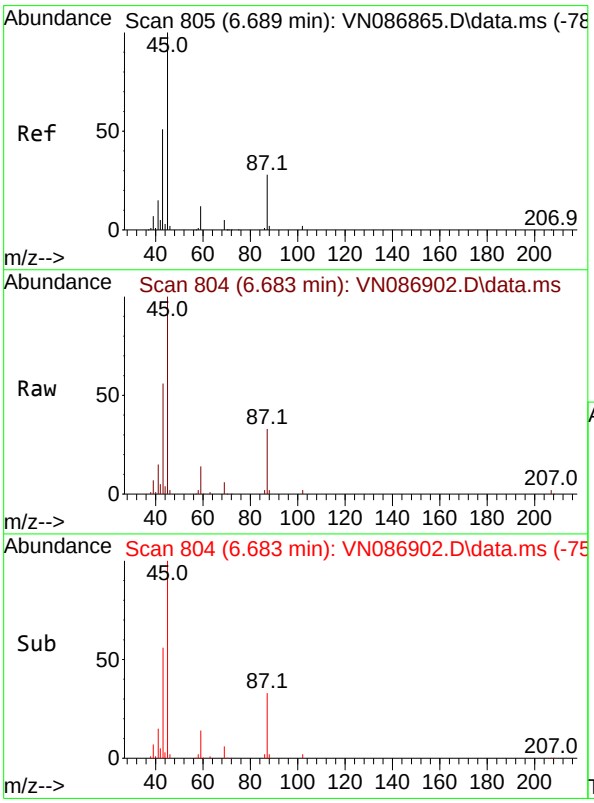
Ion	Ratio	Lower	Upper
96	100		
61	122.6	109.2	163.8
98	62.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

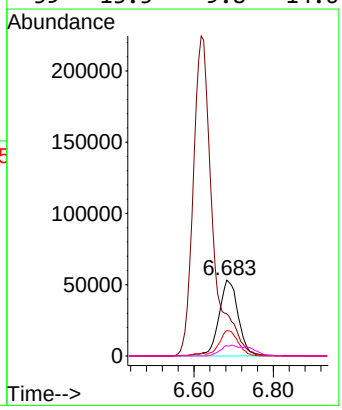
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

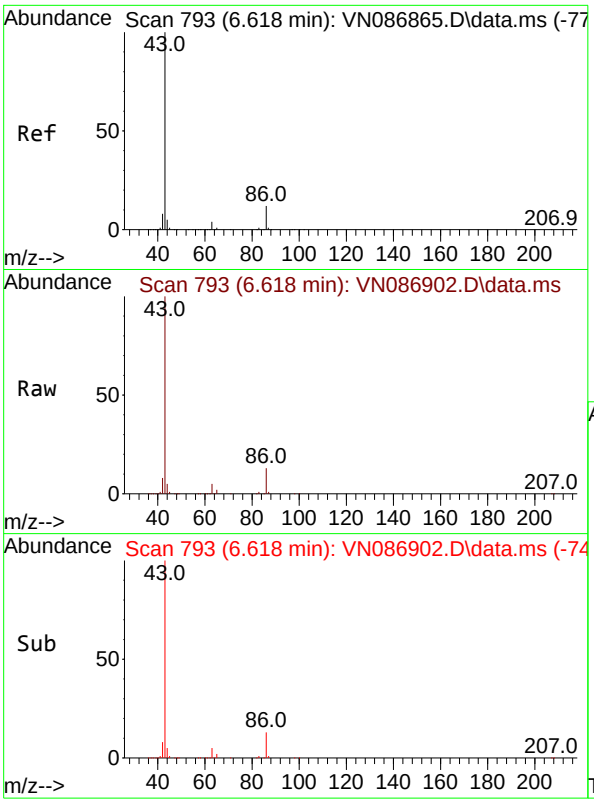


#22
Diisopropyl ether
Concen: 17.617 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 45 Resp: 179323

Ion	Ratio	Lower	Upper
45	100		
43	55.1	41.9	62.9
87	33.3	22.4	33.6
59	13.5	9.8	14.6

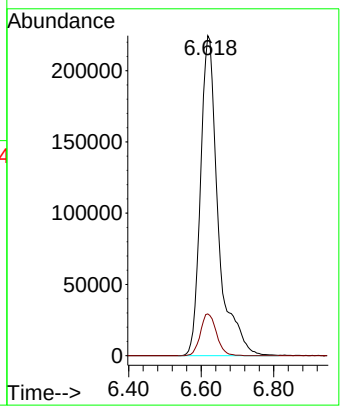




#23
Vinyl Acetate
Concen: 88.215 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 75866

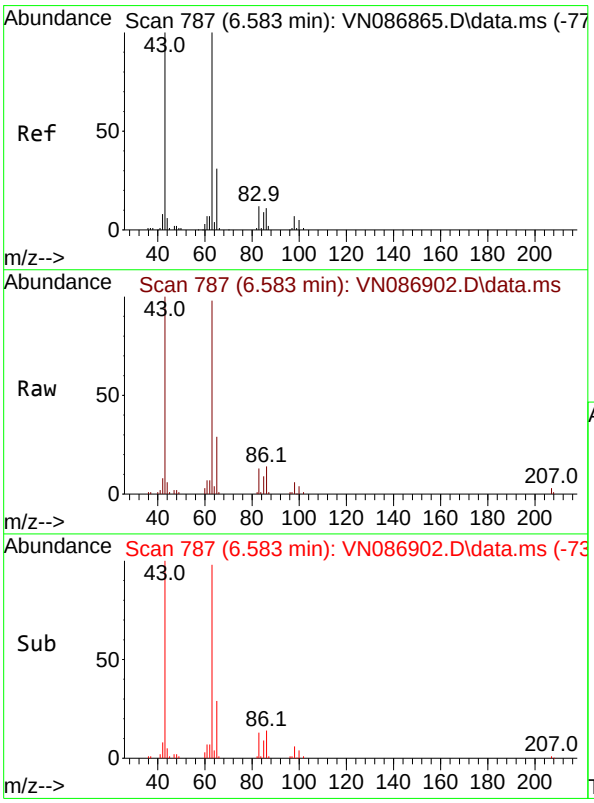
Ion	Ratio	Lower	Upper
43	100		
86	13.1	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

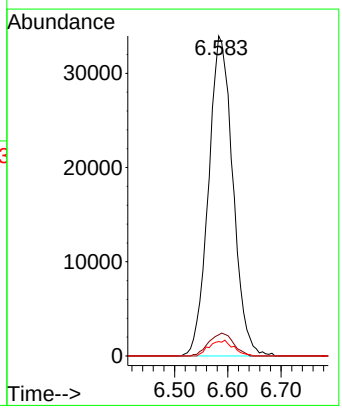
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

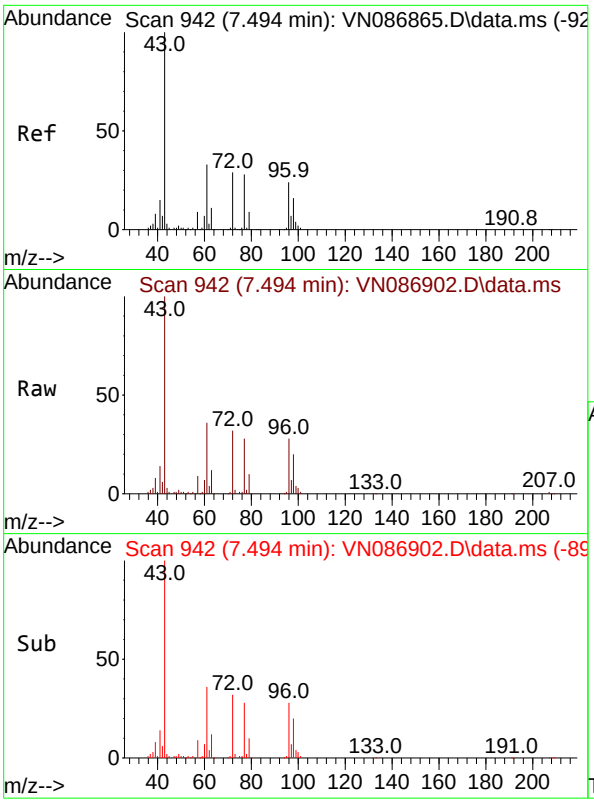


#24
1,1-Dichloroethane
Concen: 18.425 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 63 Resp: 107933

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	4.5	2.6	7.8





#25
2-Butanone
Concen: 82.292 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

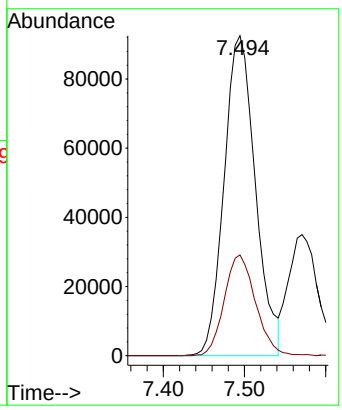
Tgt Ion: 43 Resp: 24845

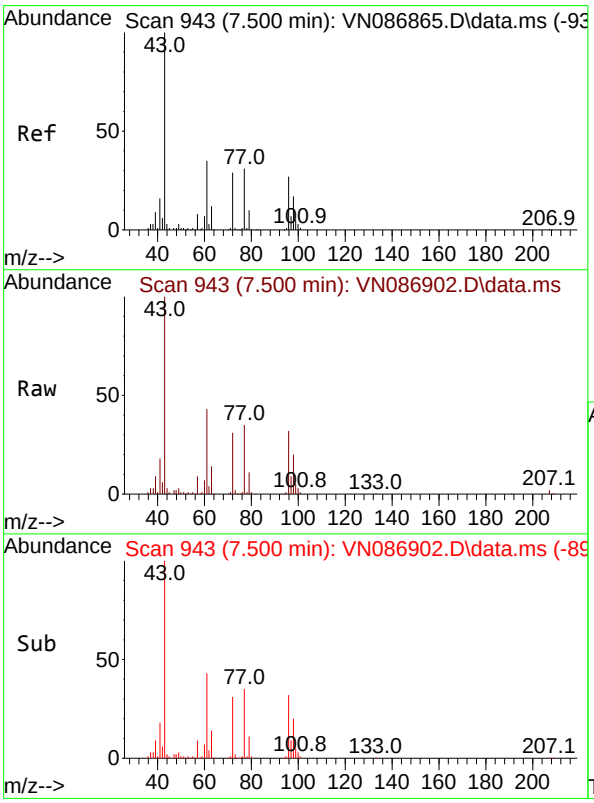
Ion	Ratio	Lower	Upper
43	100		
72	31.5	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

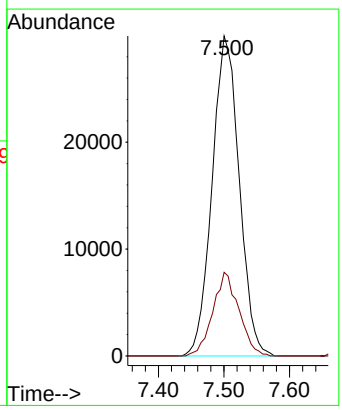


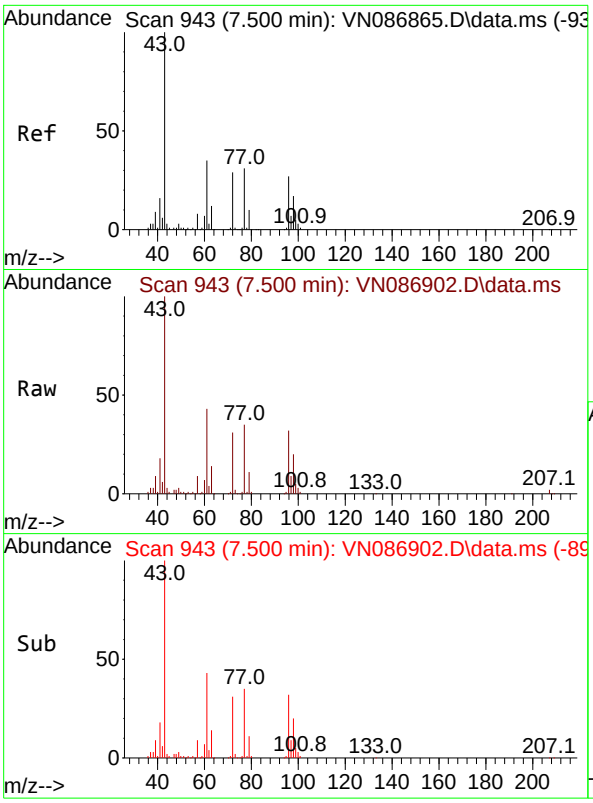


#26
2,2-Dichloropropane
Concen: 18.851 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 77 Resp: 85897

Ion	Ratio	Lower	Upper
77	100		
97	25.1	11.6	34.7

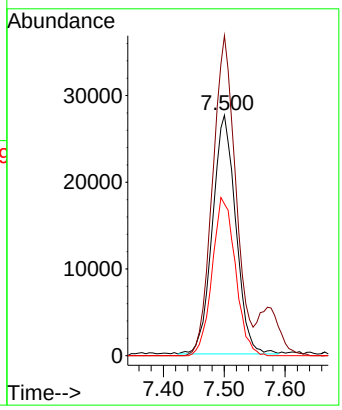




#27
cis-1,2-Dichloroethene
Concen: 18.937 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 96 Resp: 7336

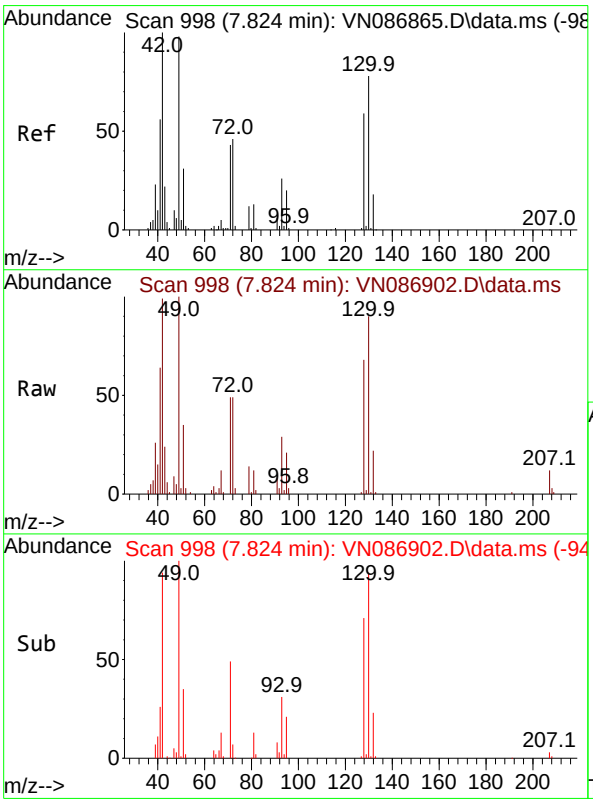
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	278.0
98	65.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

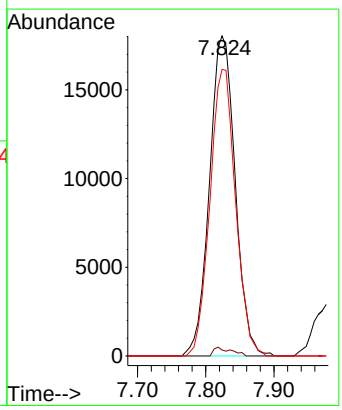
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

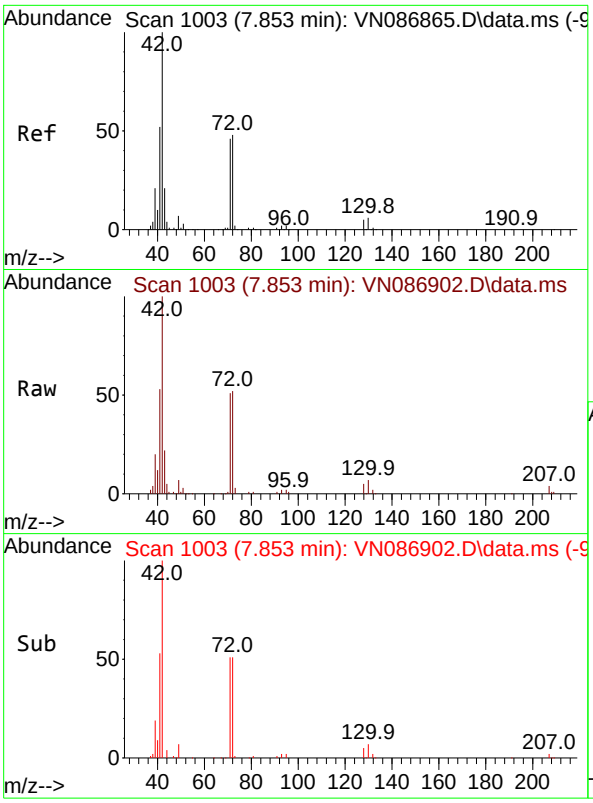


#28
Bromochloromethane
Concen: 16.450 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 49 Resp: 47379

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	89.1	62.2	93.2





#29
Tetrahydrofuran
Concen: 83.068 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

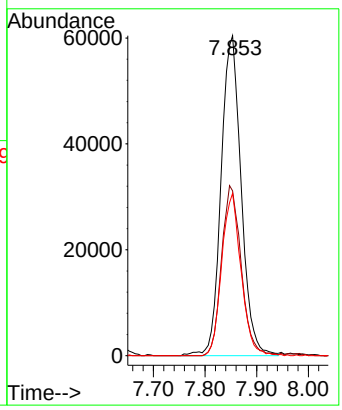
Tgt Ion: 42 Resp: 16338

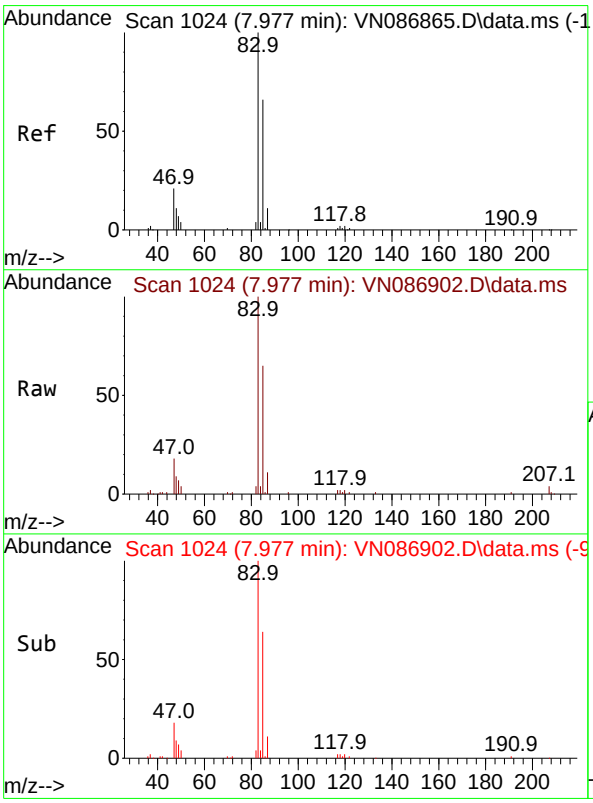
Ion	Ratio	Lower	Upper
42	100		
72	51.9	37.8	56.6
71	48.8	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

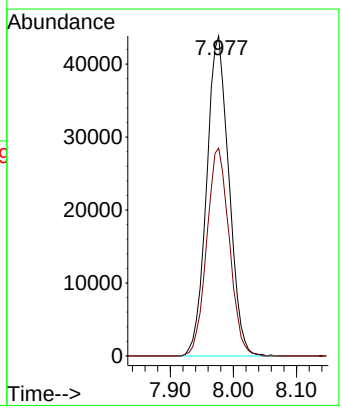


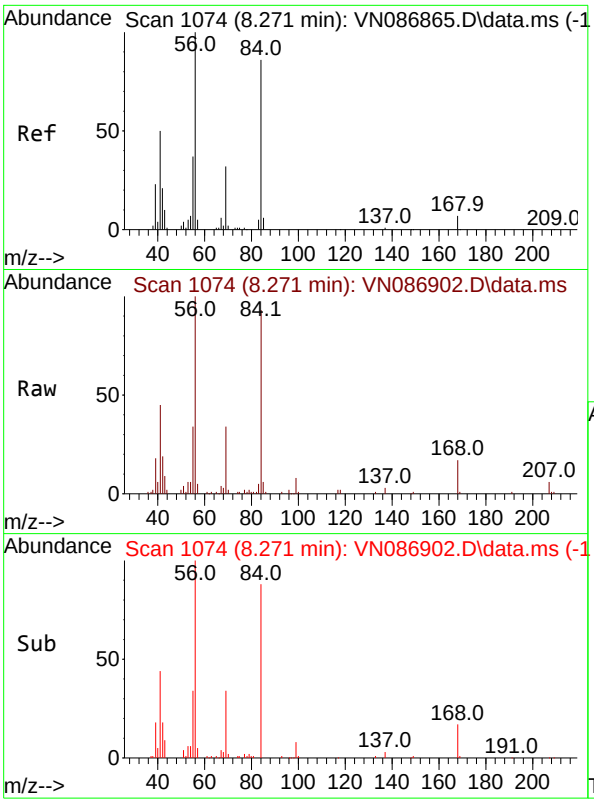


#30
Chloroform
Concen: 18.386 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 83 Resp: 107556

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.9	79.3

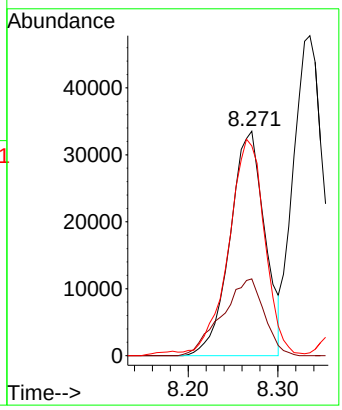




#31
Cyclohexane
Concen: 15.914 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 56 Resp: 9040

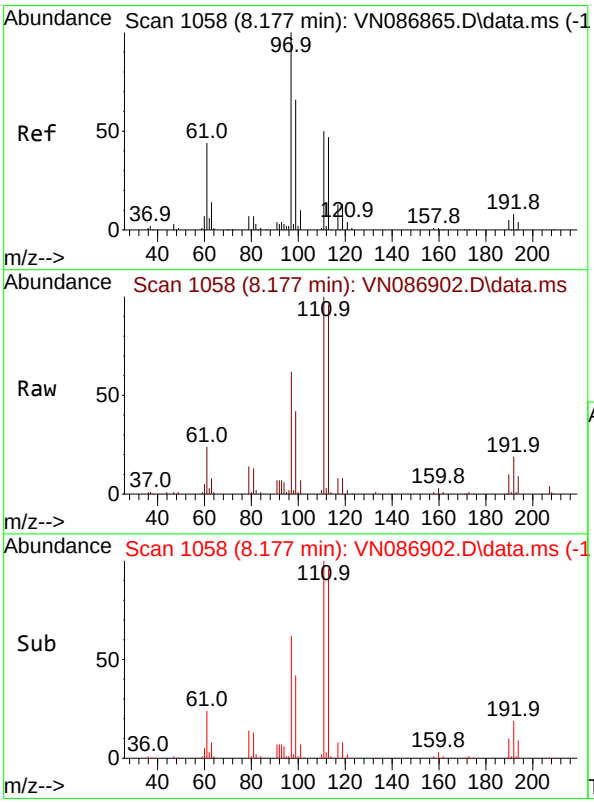
Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.4	38.0
84	91.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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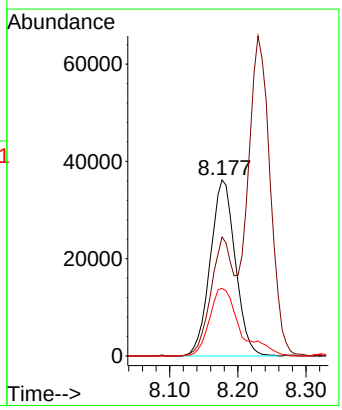
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

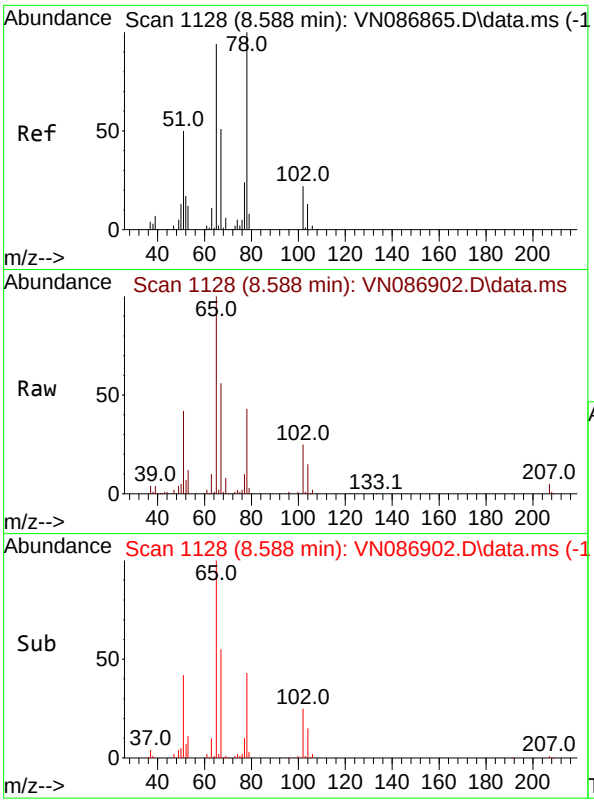


#32
1,1,1-Trichloroethane
Concen: 18.588 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 97 Resp: 92483

Ion	Ratio	Lower	Upper
97	100		
99	57.5	52.0	78.0
61	46.6	35.9	53.9

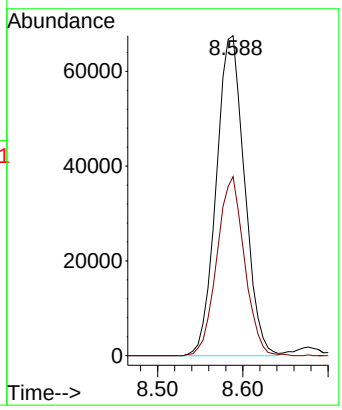




#33
1,2-Dichloroethane-d4
Concen: 44.446 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 65 Resp: 15567

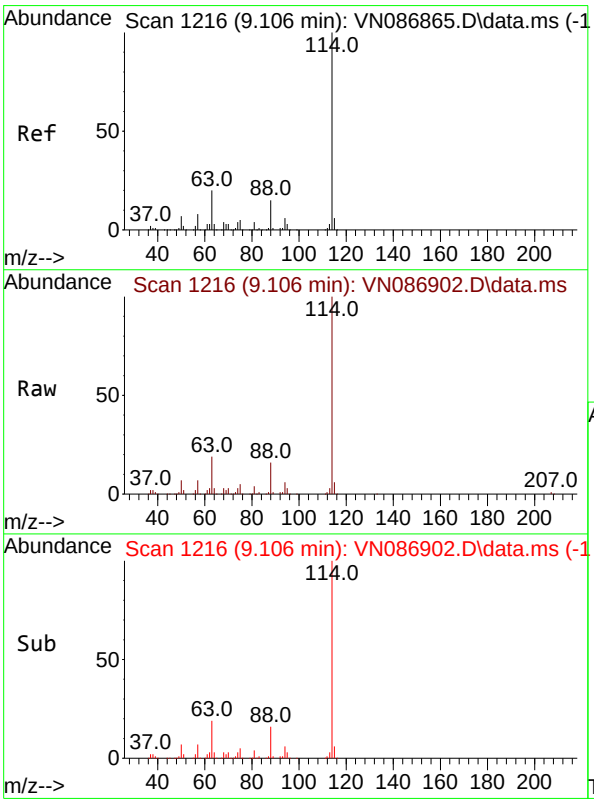
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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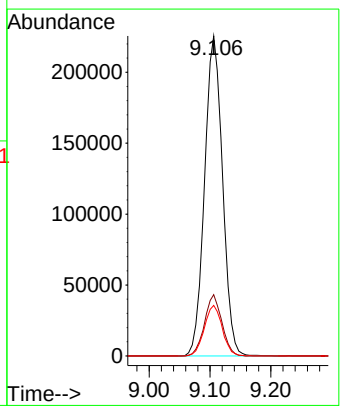
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

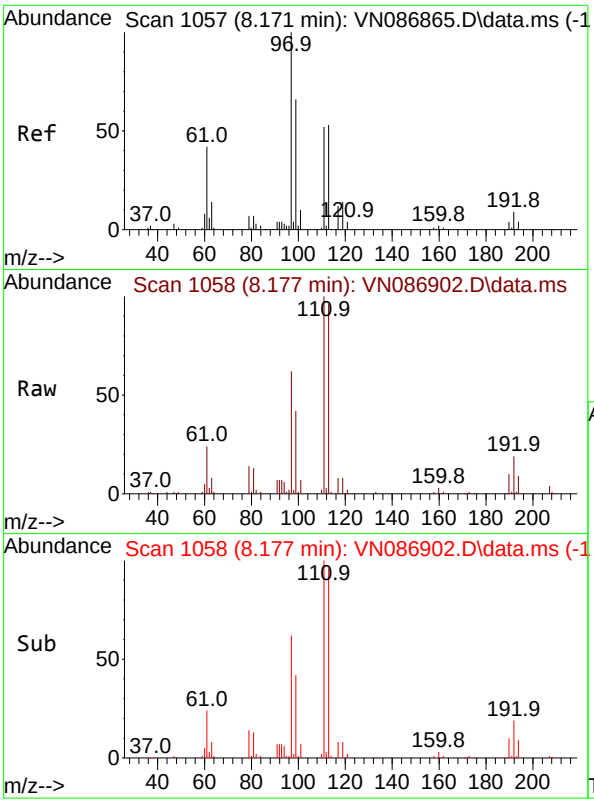


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:114 Resp: 462540

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.8	0.0	30.2

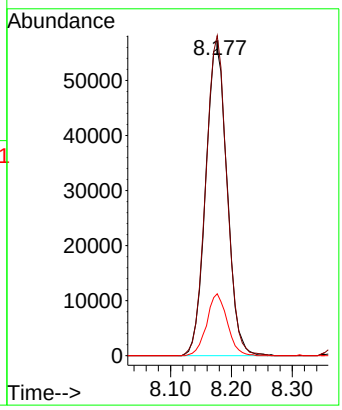




#35
Dibromofluoromethane
Concen: 50.480 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:113 Resp: 13837

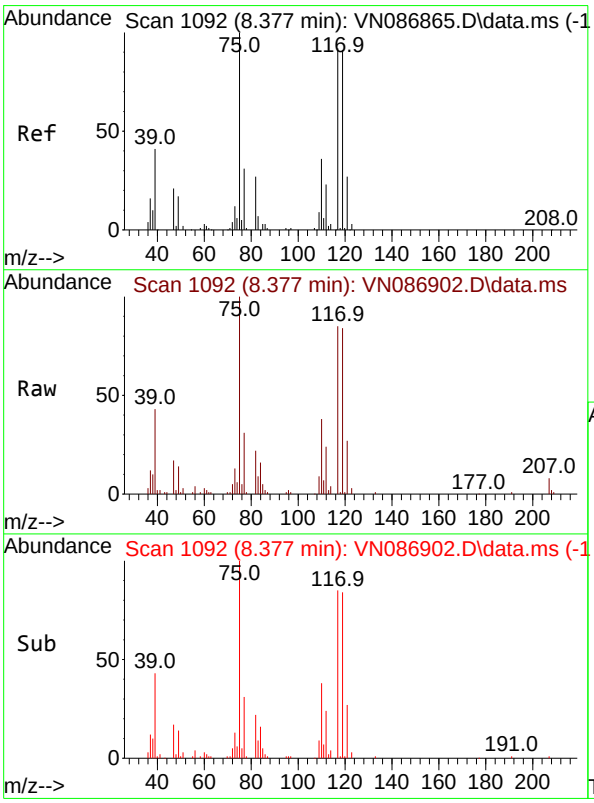
Ion	Ratio	Lower	Upper
113	100		
111	101.0	84.2	126.2
192	19.0	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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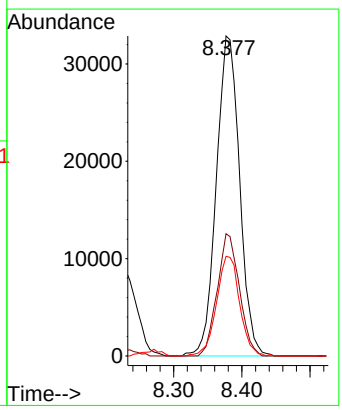
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

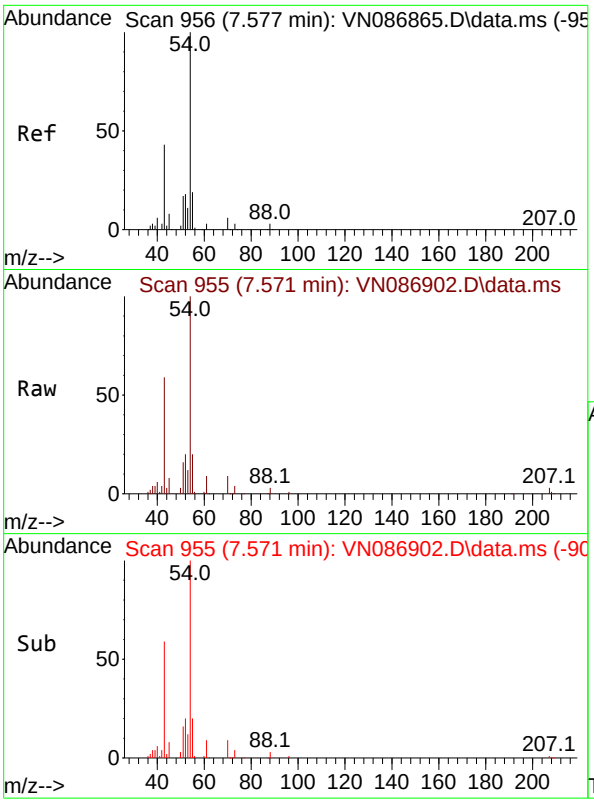


#36
1,1-Dichloropropene
Concen: 19.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 78110

Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.6	52.9
77	31.0	25.3	37.9





#37
Ethyl Acetate
Concen: 17.942 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

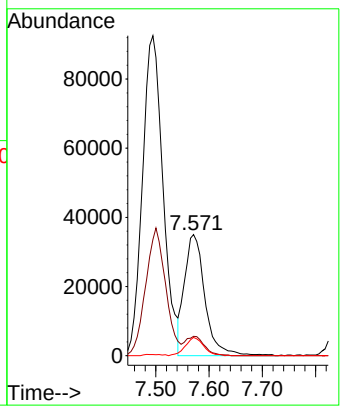
Tgt Ion: 43 Resp: 9329

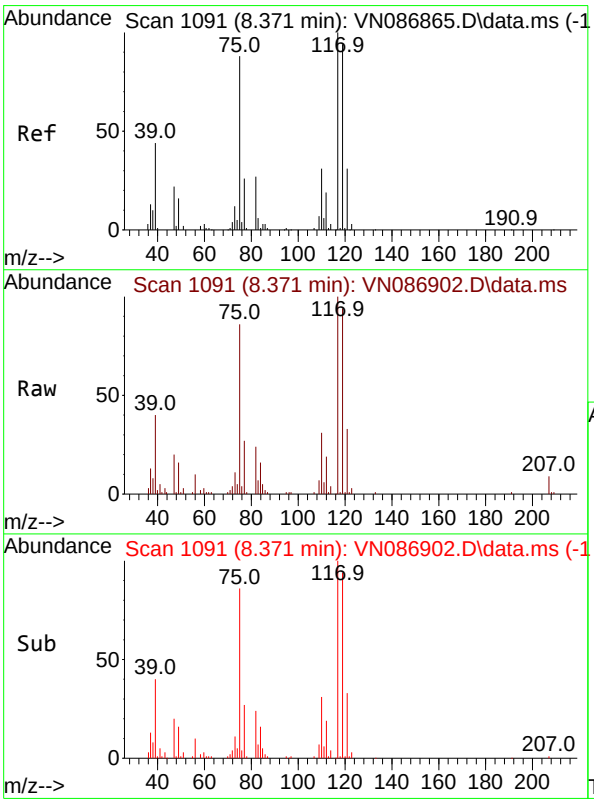
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	13.5	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

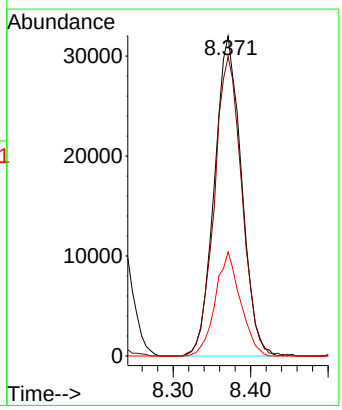


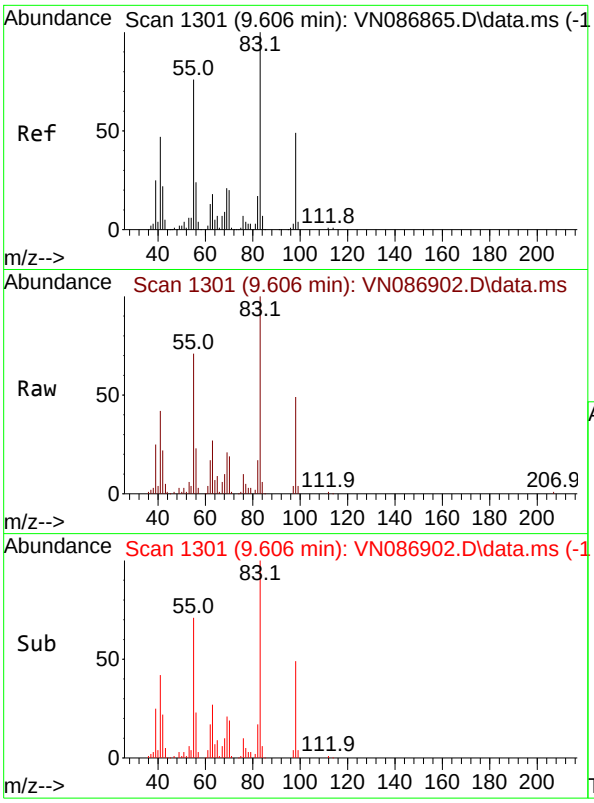


#38
Carbon Tetrachloride
Concen: 19.351 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:117 Resp: 77600

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.6
121	32.5	24.9	37.3





#39
Methylcyclohexane
Concen: 16.268 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

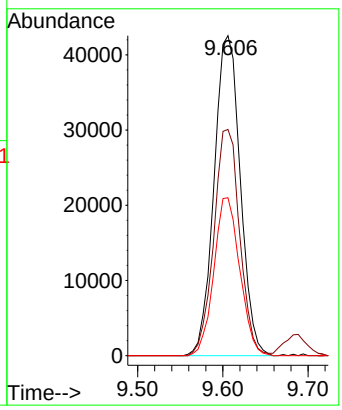
Tgt Ion: 83 Resp: 9103

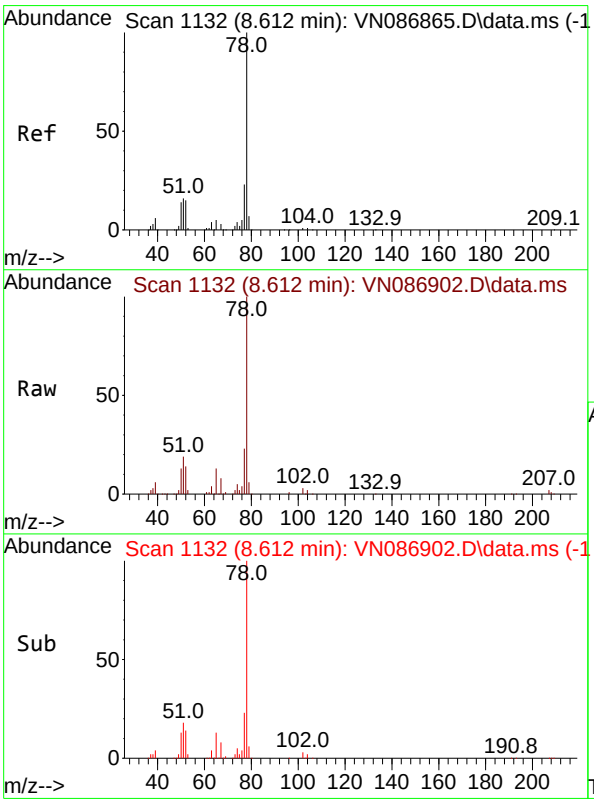
Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.0	91.6
98	49.4	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

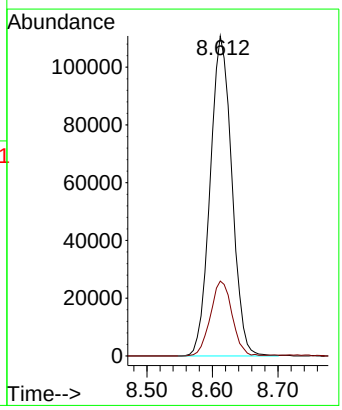


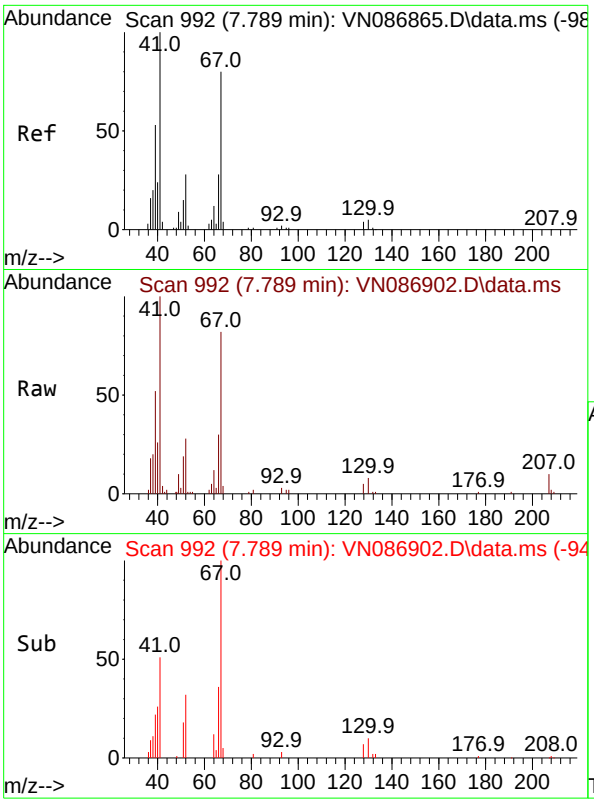


#40
Benzene
Concen: 19.020 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 78 Resp: 254036

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

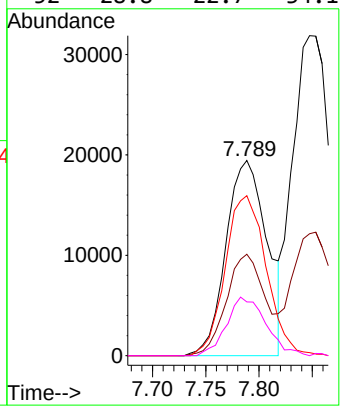




#41
Methacrylonitrile
Concen: 17.877 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 41 Resp: 5220

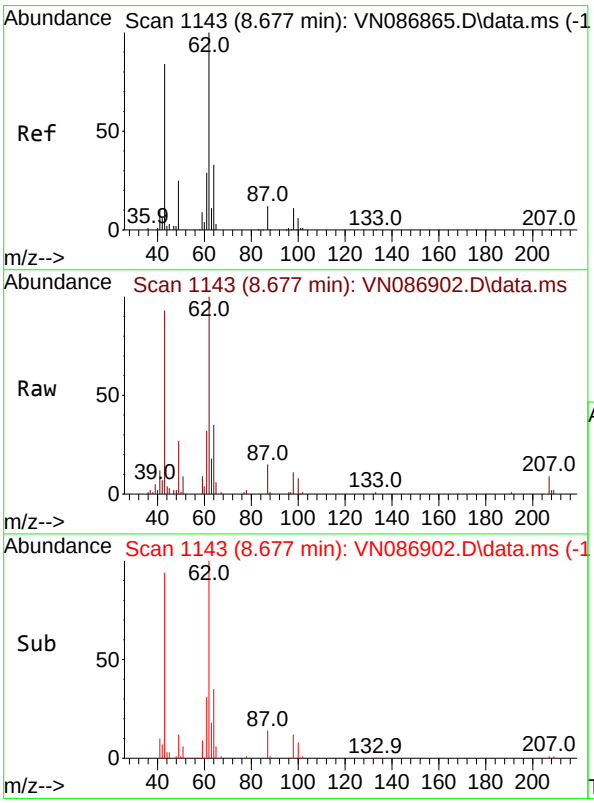
Ion	Ratio	Lower	Upper
41	100		
39	46.8	41.2	61.8
67	82.0	61.4	92.2
52	28.8	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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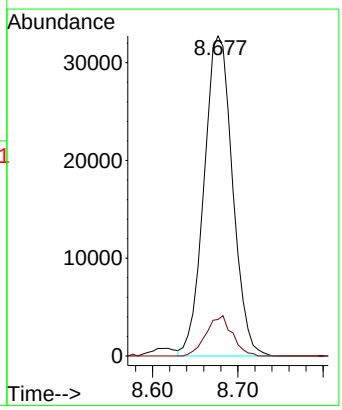
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

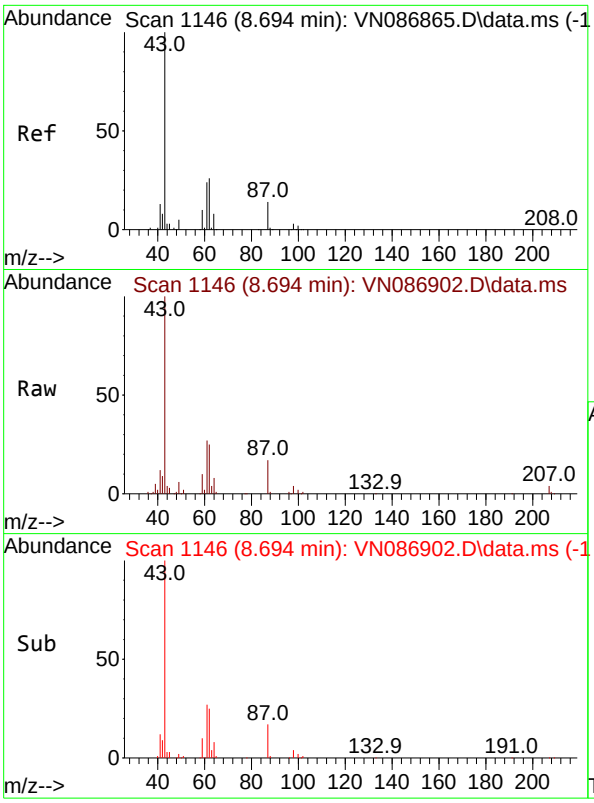


#42
1,2-Dichloroethane
Concen: 18.757 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 62 Resp: 75987

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.2

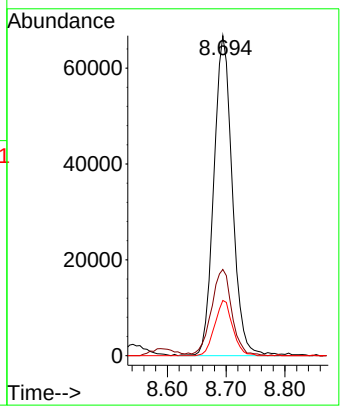




#43
Isopropyl Acetate
Concen: 17.495 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 14600

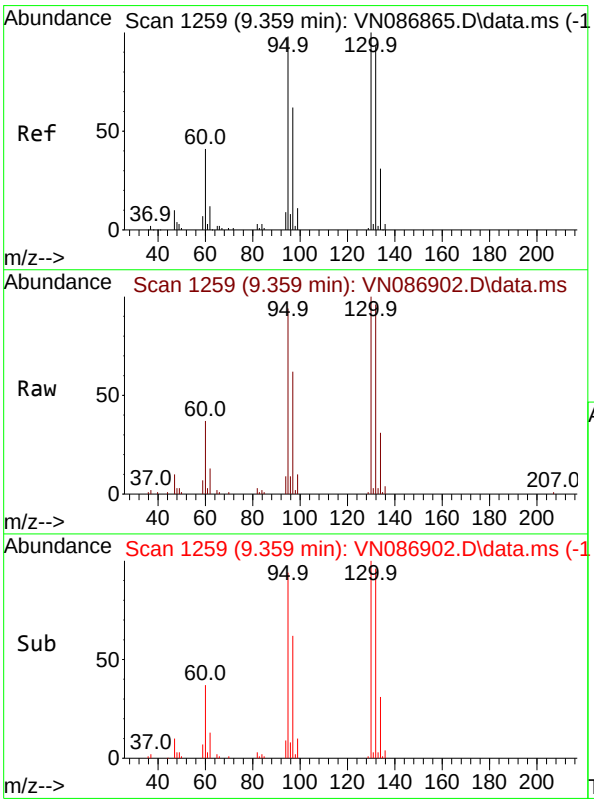
Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.1	33.1
87	16.7	11.8	17.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

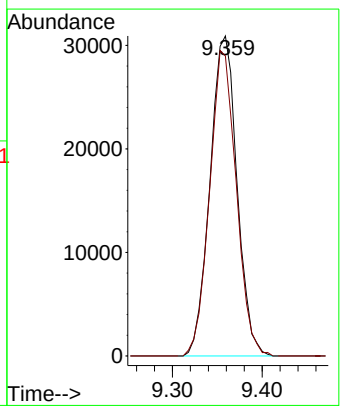
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

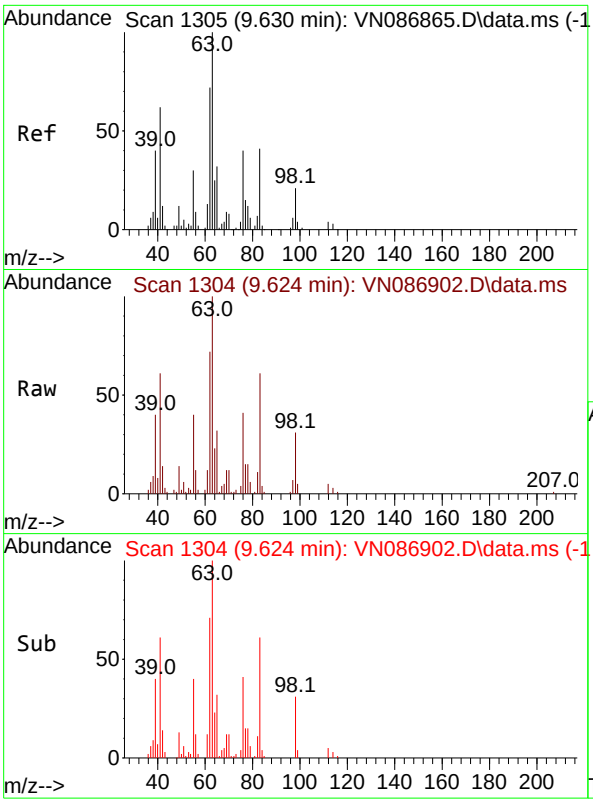


#44
Trichloroethene
Concen: 20.408 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:130 Resp: 64635

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	196.2

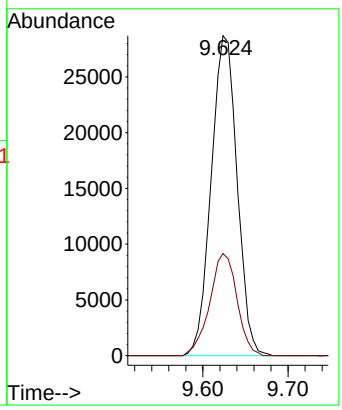




#45
1,2-Dichloropropane
Concen: 18.646 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 63 Resp: 6059

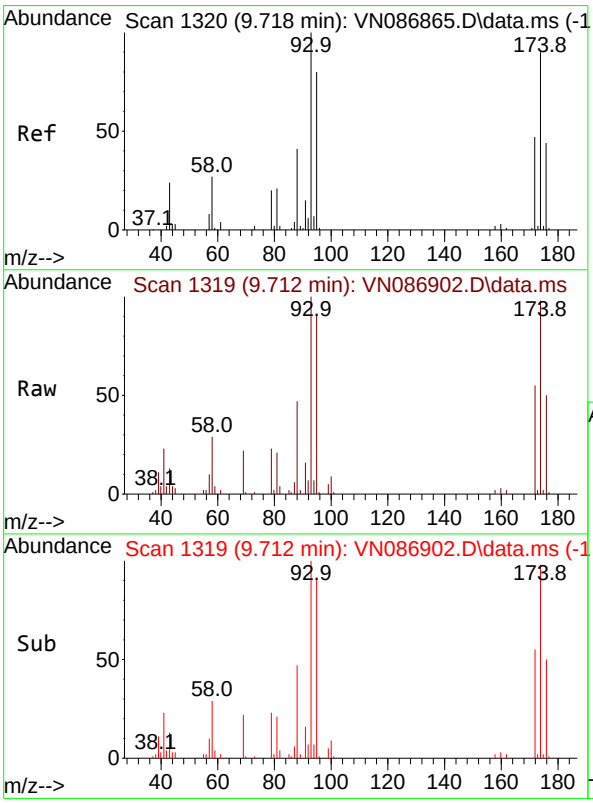
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

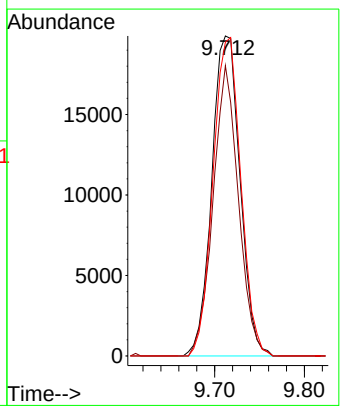
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

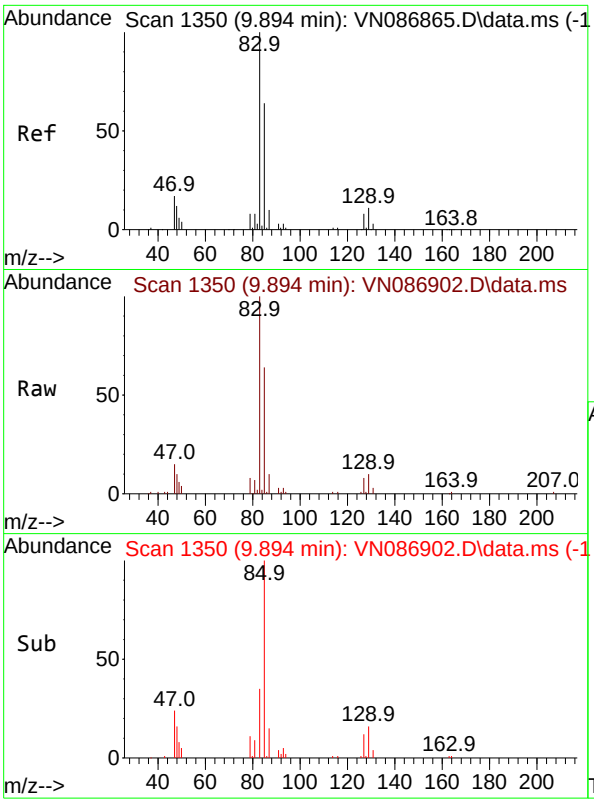


#46
Dibromomethane
Concen: 20.111 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 93 Resp: 43406

Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.1	100.7
174	97.9	74.2	111.4

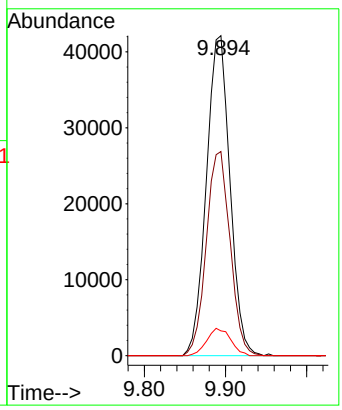




#47
Bromodichloromethane
Concen: 19.158 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 83 Resp: 8507

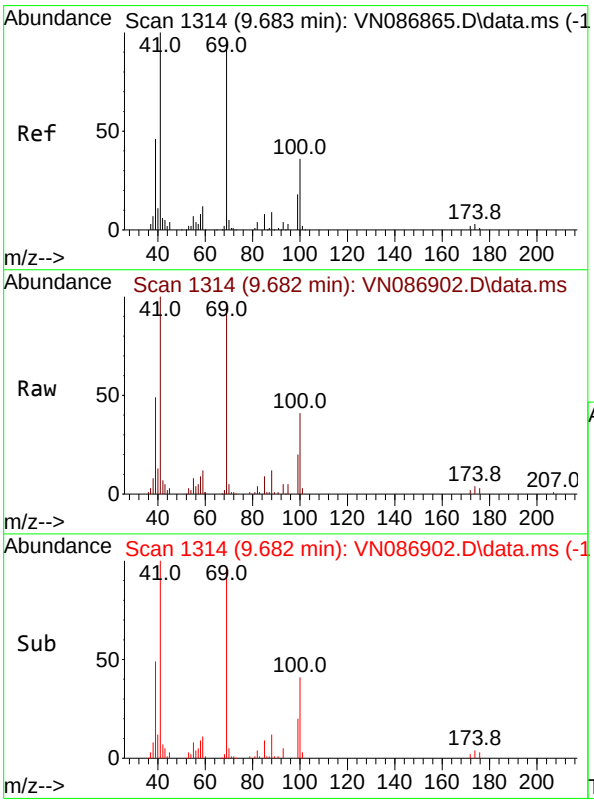
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	7.8	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

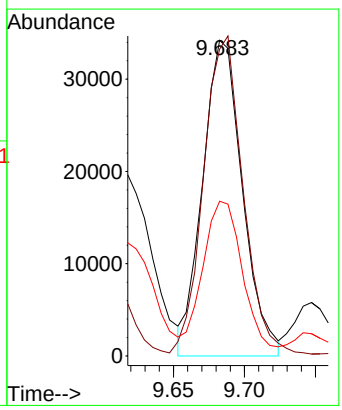
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

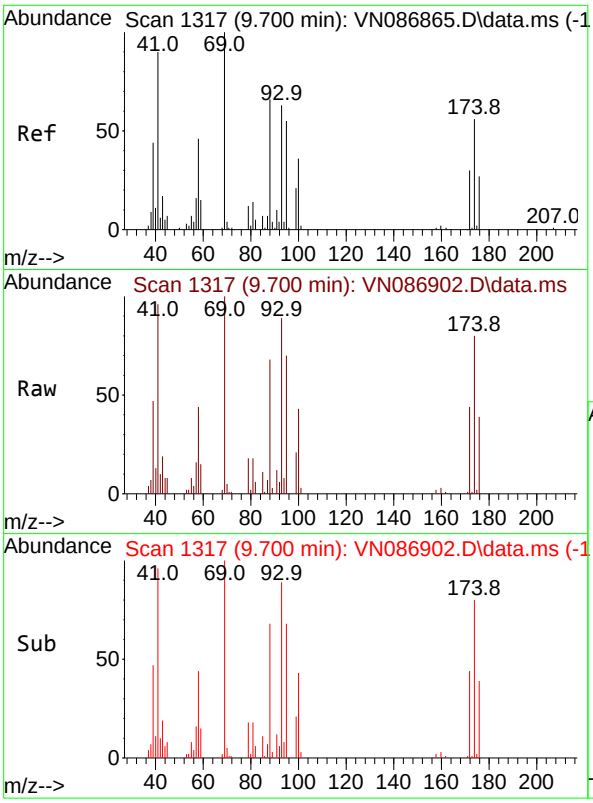


#48
Methyl methacrylate
Concen: 17.378 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 41 Resp: 66751

Ion	Ratio	Lower	Upper
41	100		
69	99.7	74.6	112.0
39	50.1	40.2	60.4

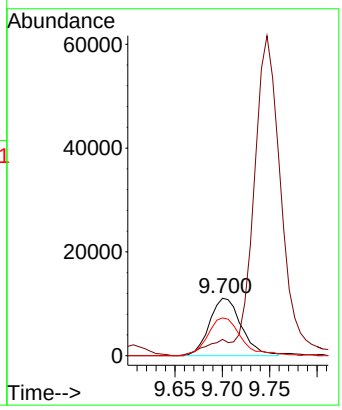




#49
1,4-Dioxane
Concen: 369.843 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 88 Resp: 2584

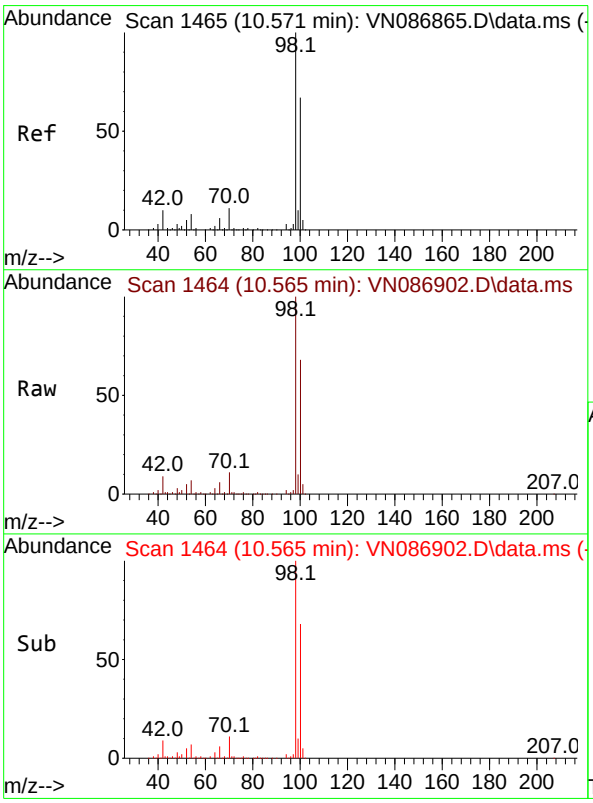
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.0	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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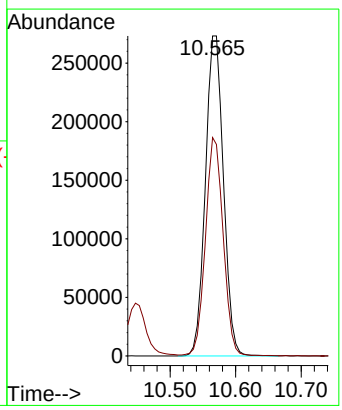
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

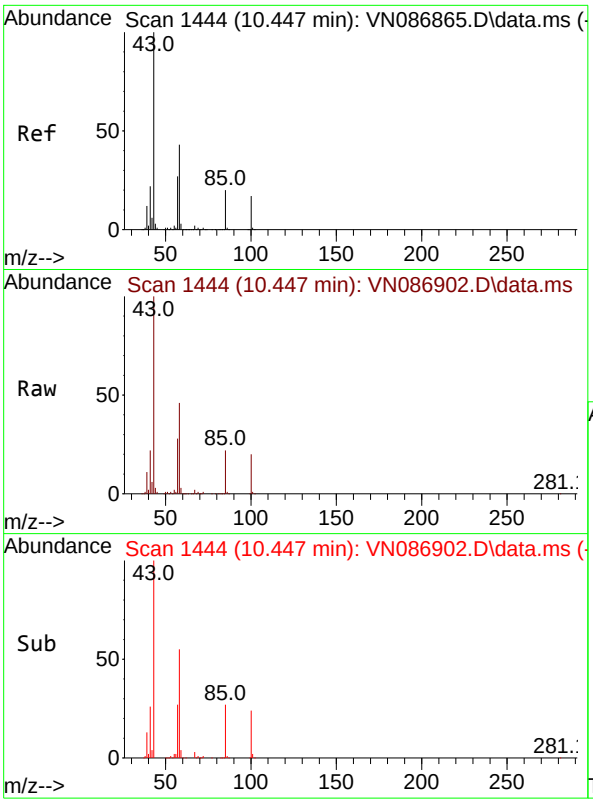


#50
Toluene-d8
Concen: 48.233 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 98 Resp: 523398

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.0

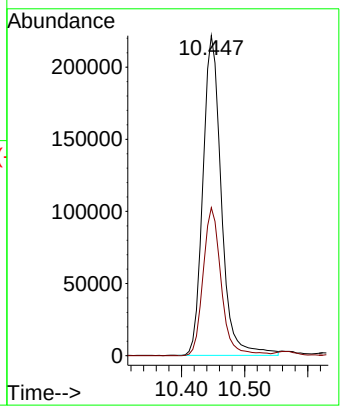




#51
4-Methyl-2-Pentanone
Concen: 89.334 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 44881(

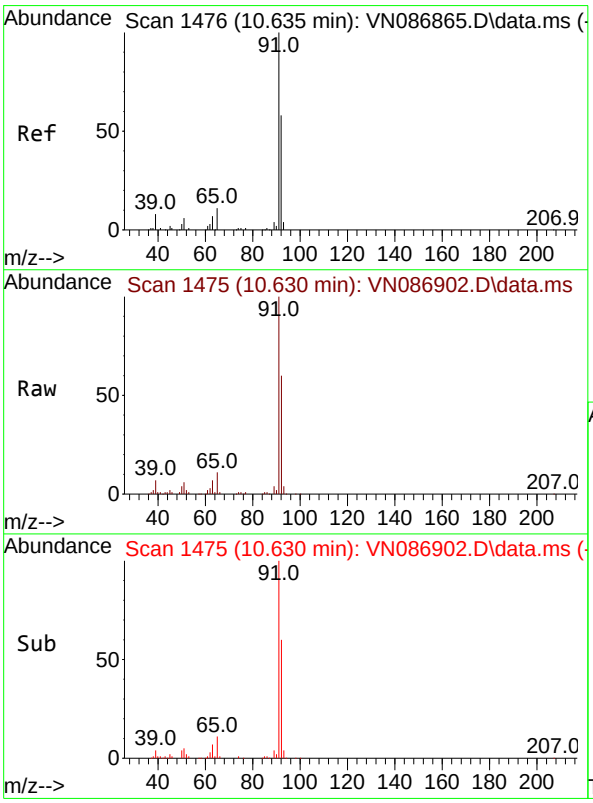
Ion	Ratio	Lower	Upper
43	100		
58	45.6	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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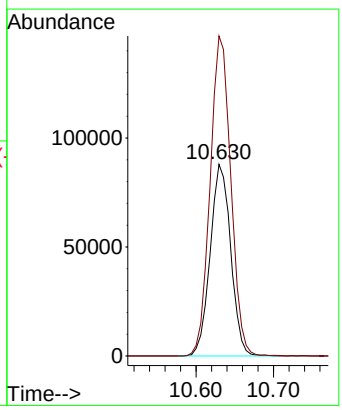
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

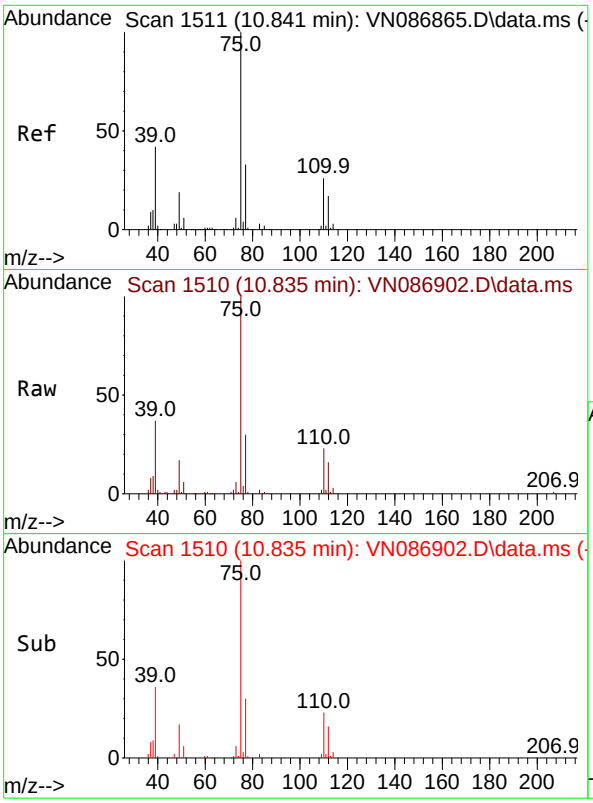


#52
Toluene
Concen: 19.794 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 92 Resp: 161571

Ion	Ratio	Lower	Upper
92	100		
91	168.6	136.5	204.7

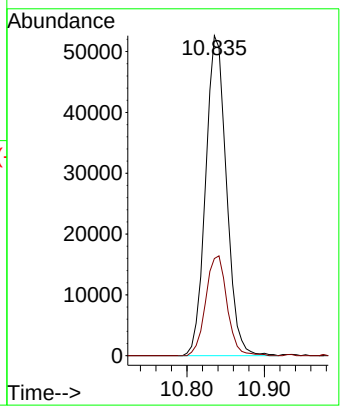




#53
t-1,3-Dichloropropene
Concen: 19.790 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 9827

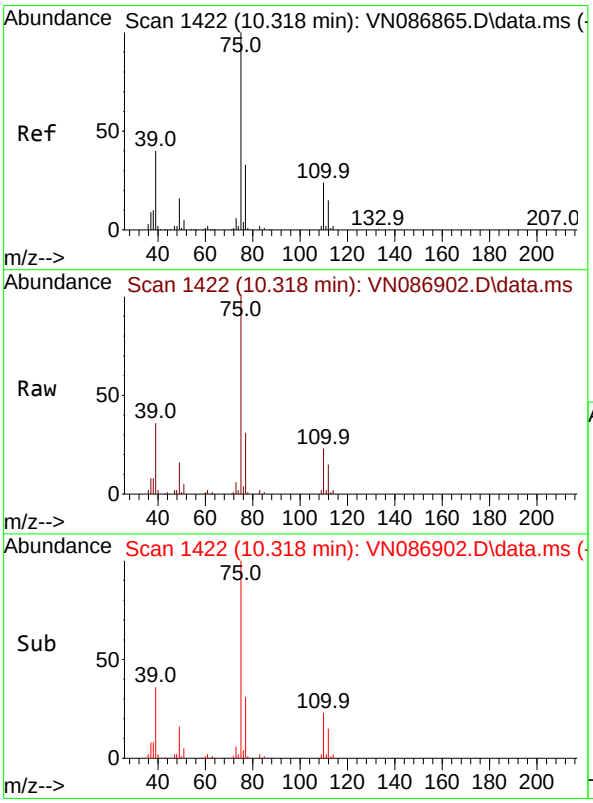
Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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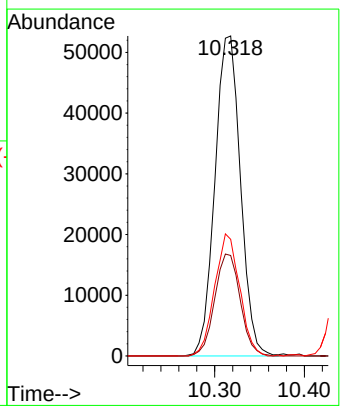
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

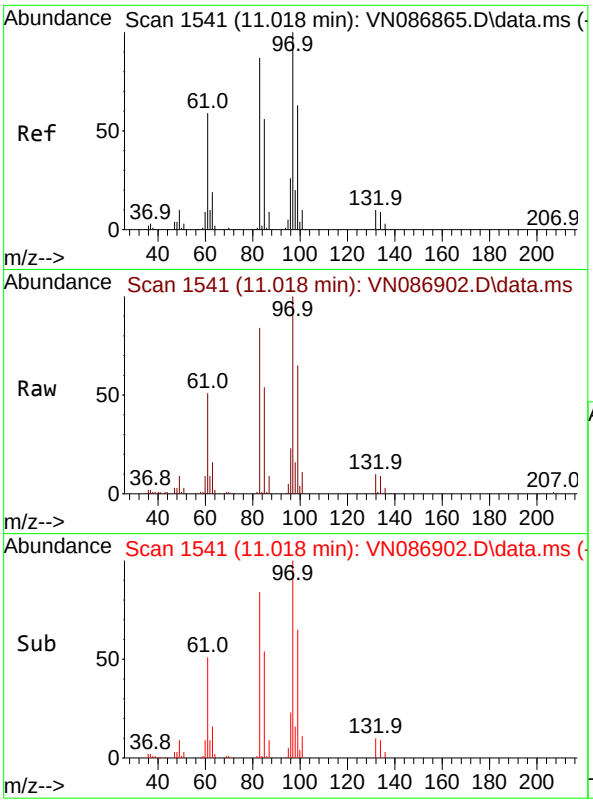


#54
cis-1,3-Dichloropropene
Concen: 19.593 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 104098

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	36.4	32.3	48.5

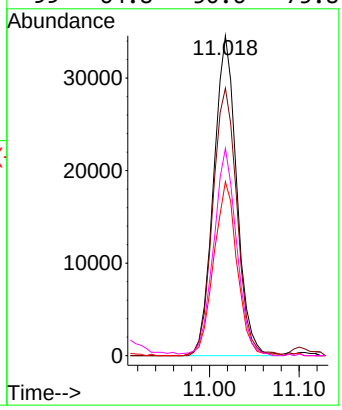




#55
1,1,2-Trichloroethane
Concen: 19.651 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 97 Resp: 6172

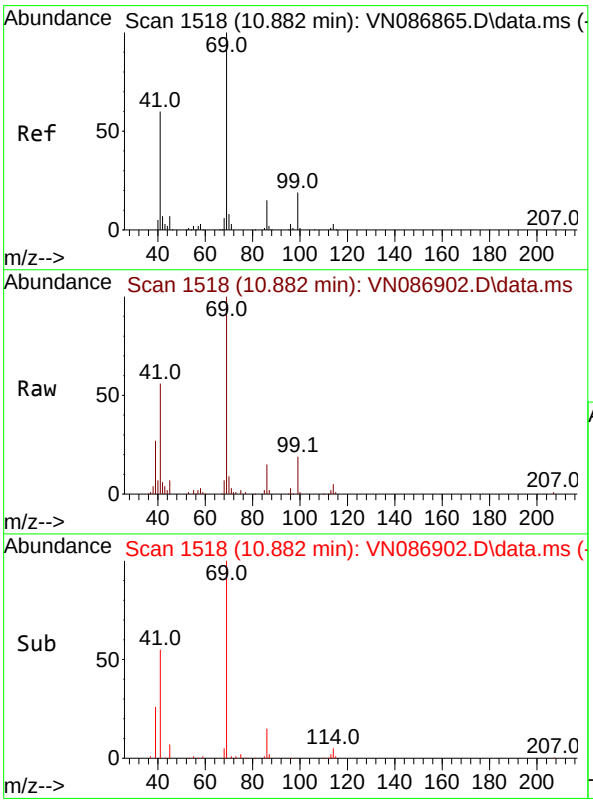
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.7	104.5
85	54.3	45.1	67.7
99	64.8	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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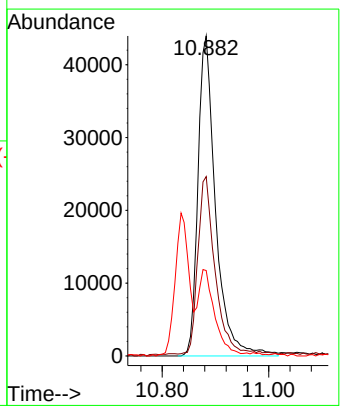
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

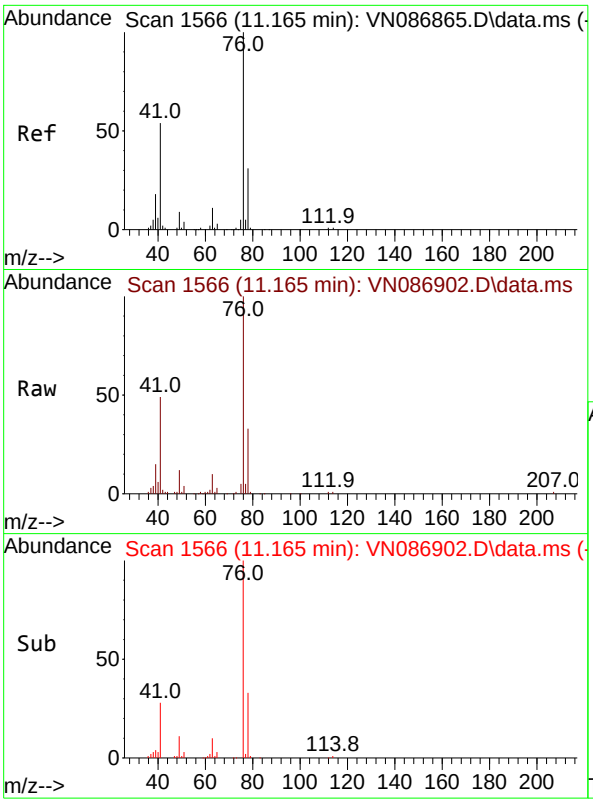


#56
Ethyl methacrylate
Concen: 20.185 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 69 Resp: 100979

Ion	Ratio	Lower	Upper
69	100		
41	54.4	47.2	70.8
39	24.2	23.0	34.6

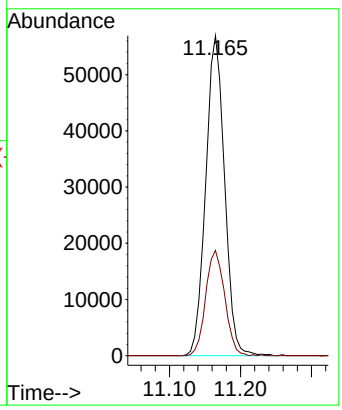




#57
1,3-Dichloropropane
Concen: 19.278 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 76 Resp: 10503

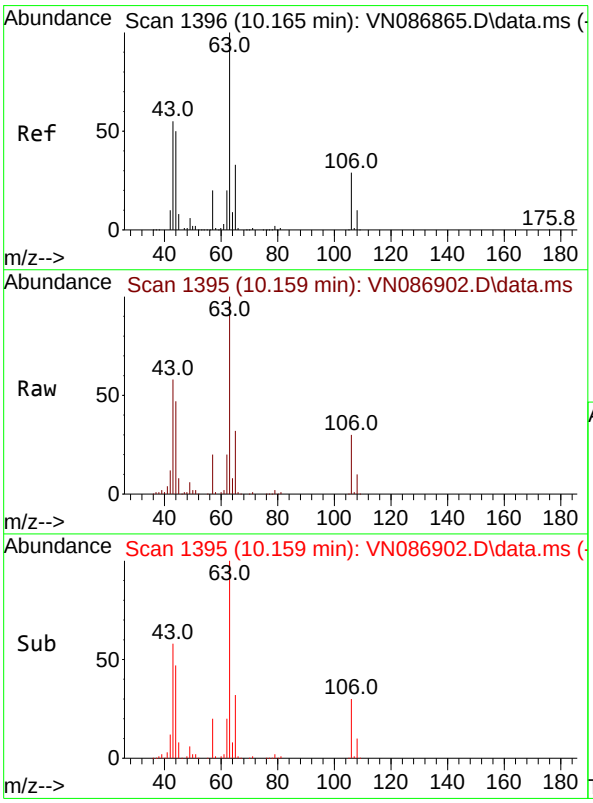
Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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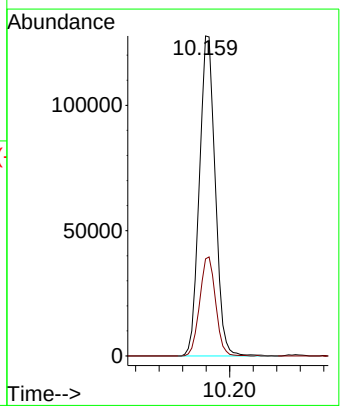
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

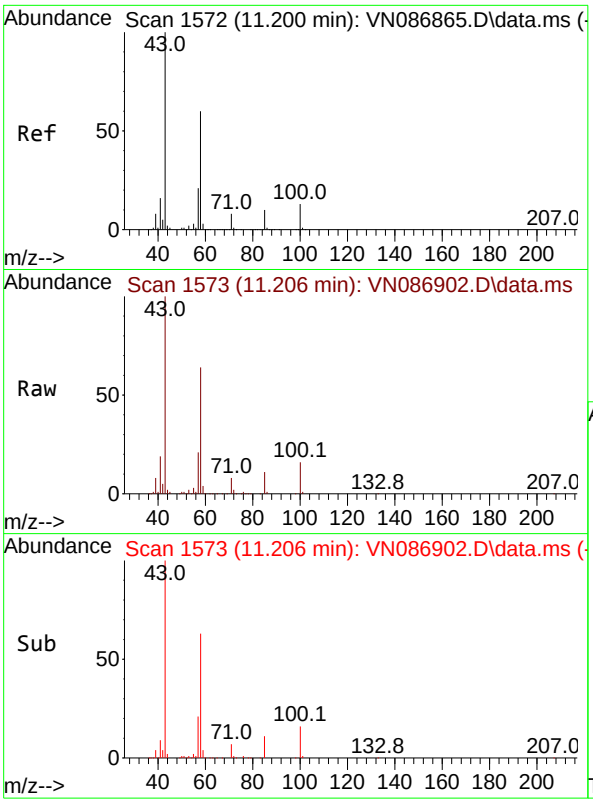


#58
2-Chloroethyl Vinyl ether
Concen: 80.228 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 63 Resp: 239383

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.0	34.6





#59
2-Hexanone
Concen: 86.483 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

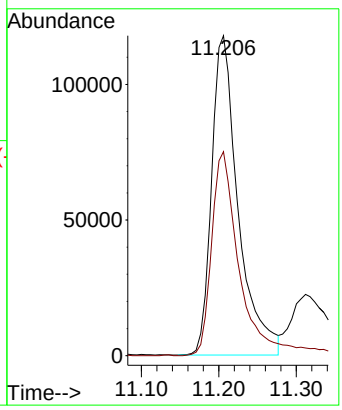
Tgt Ion: 43 Resp: 27987

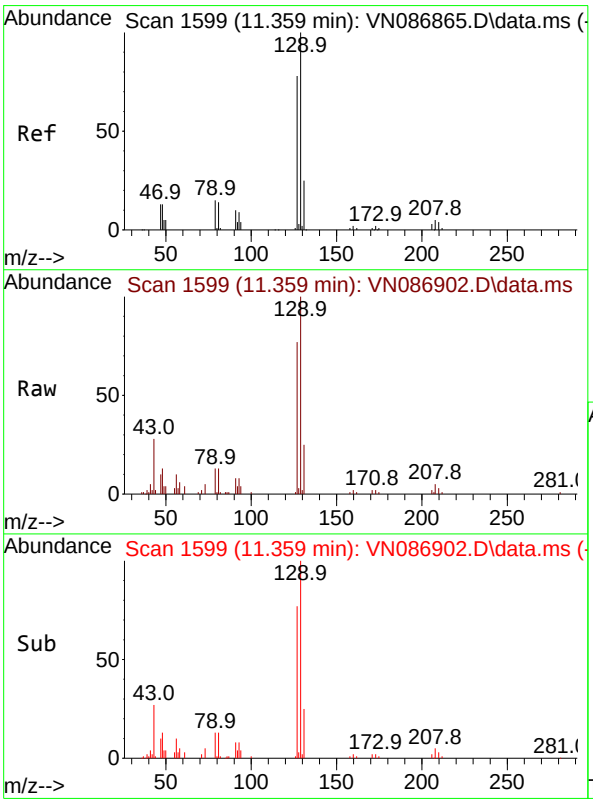
Ion	Ratio	Lower	Upper
43	100		
58	67.9	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

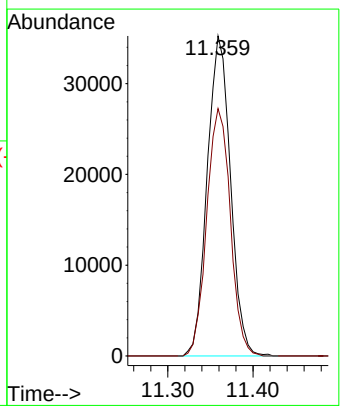


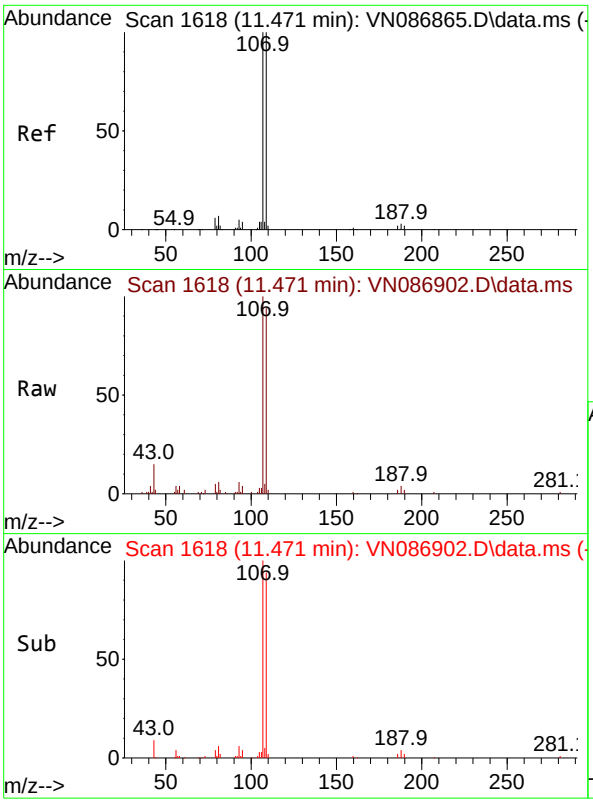


#60
Dibromochloromethane
Concen: 20.437 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:129 Resp: 66878

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8





#61
1,2-Dibromoethane
Concen: 20.028 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

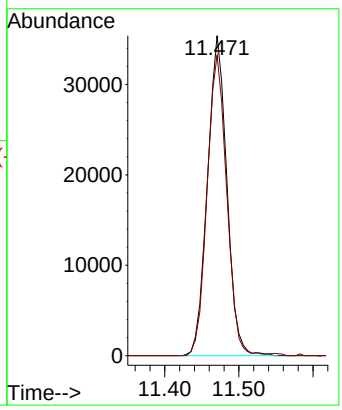
Tgt Ion:107 Resp: 6447

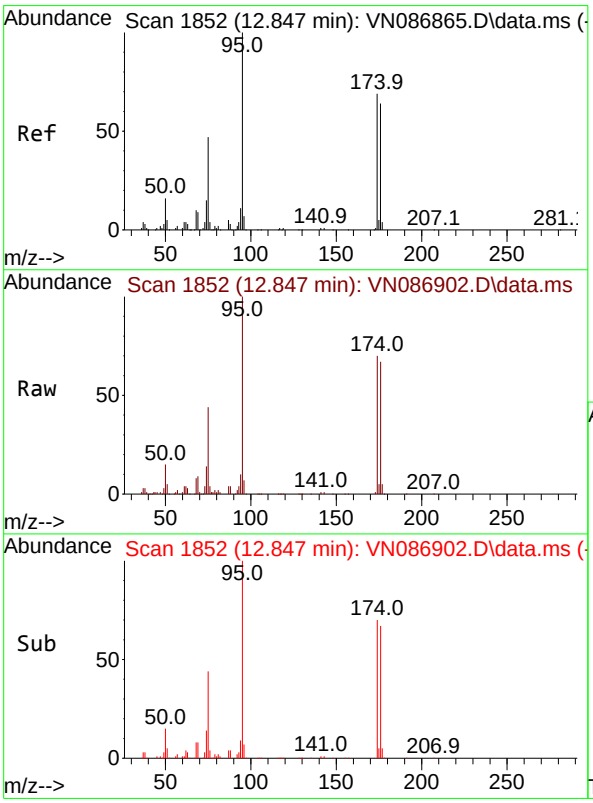
Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

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Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

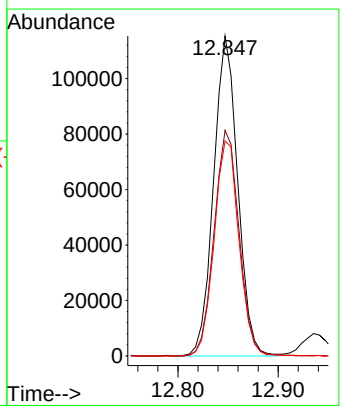


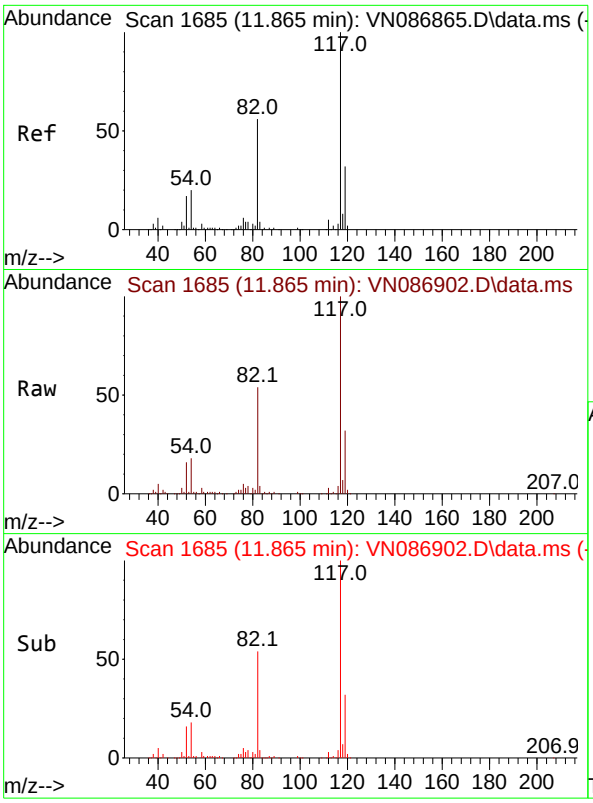


#62
4-Bromofluorobenzene
Concen: 47.729 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 95 Resp: 192426

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.8
176	69.6	0.0	132.6

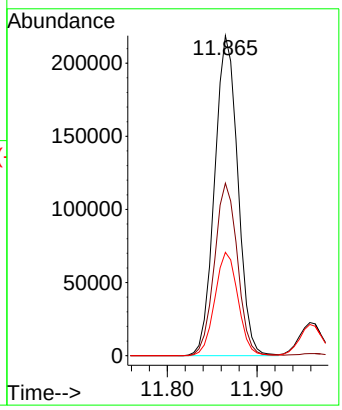




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:117 Resp: 39228

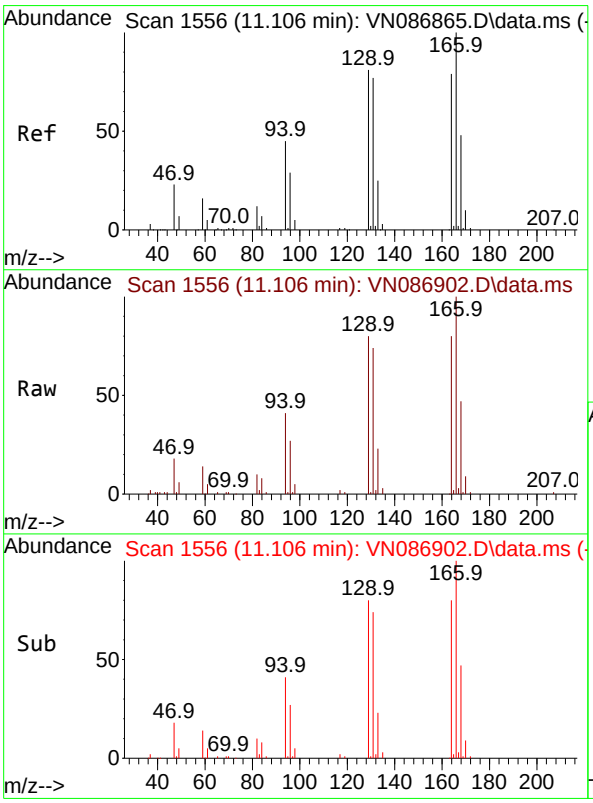
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	32.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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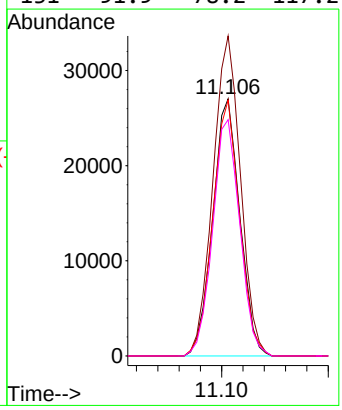
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

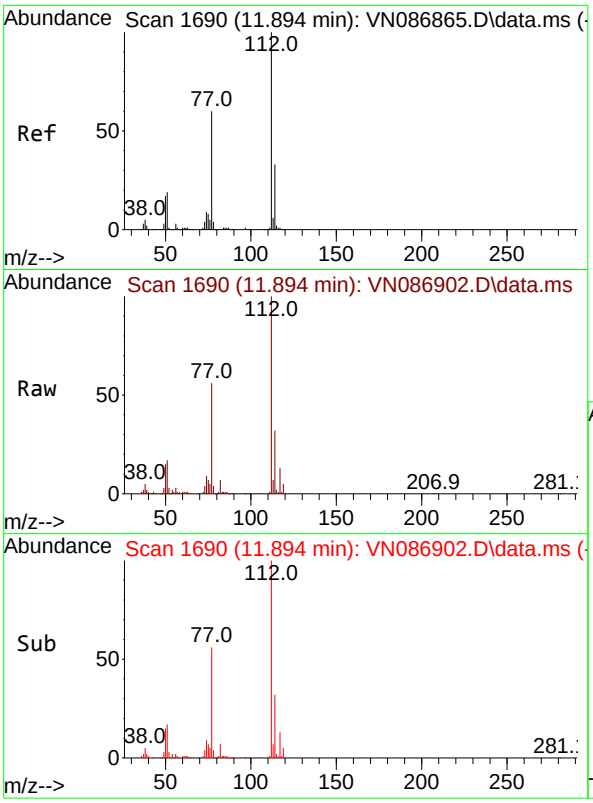


#64
Tetrachloroethene
Concen: 19.204 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:164 Resp: 47676

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.8	152.8
129	99.5	83.0	124.4
131	91.9	78.2	117.2





#65
Chlorobenzene
Concen: 20.274 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

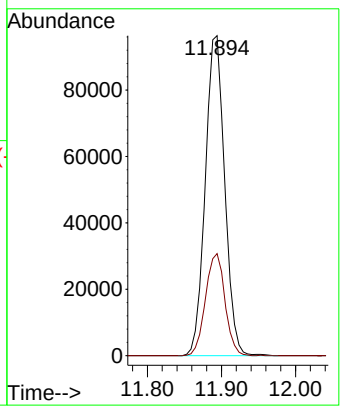
Tgt Ion:112 Resp: 17541

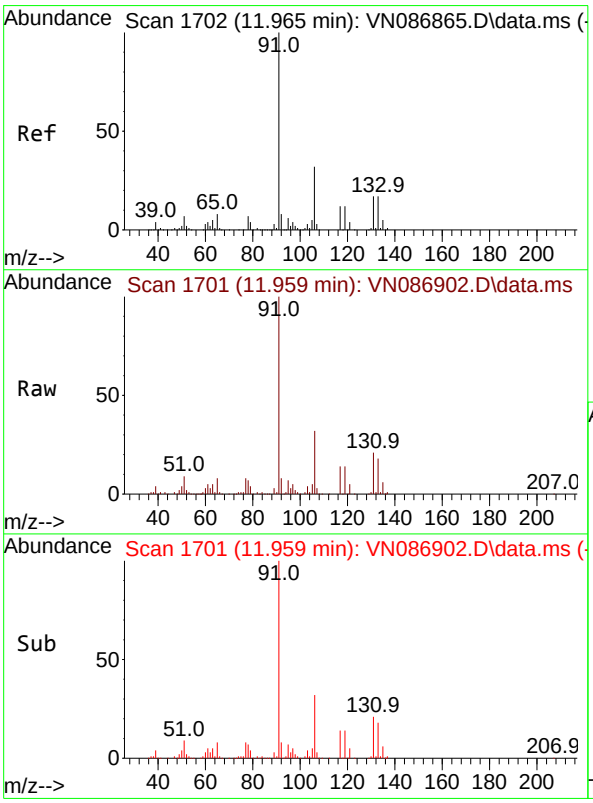
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

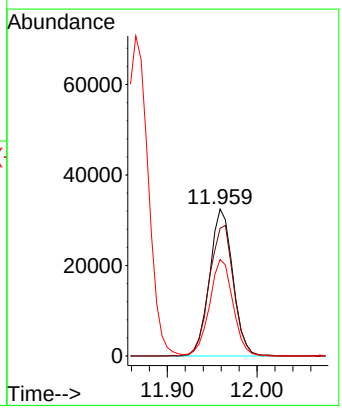


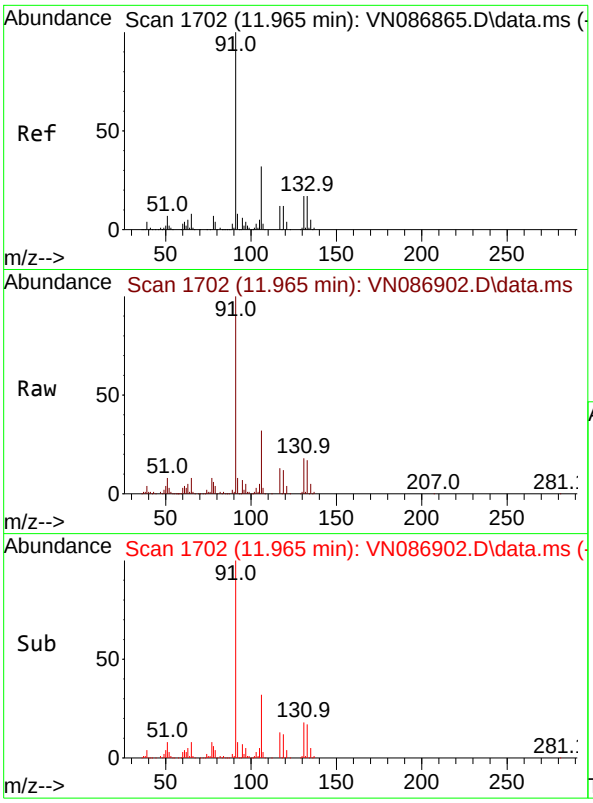


#66
1,1,1,2-Tetrachloroethane
Concen: 20.968 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:131 Resp: 58317

Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.3	144.8
119	66.4	34.0	101.8

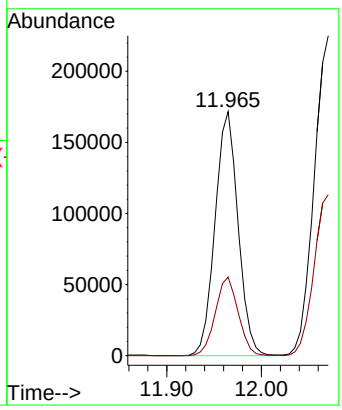




#67
Ethyl Benzene
Concen: 19.466 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 29009

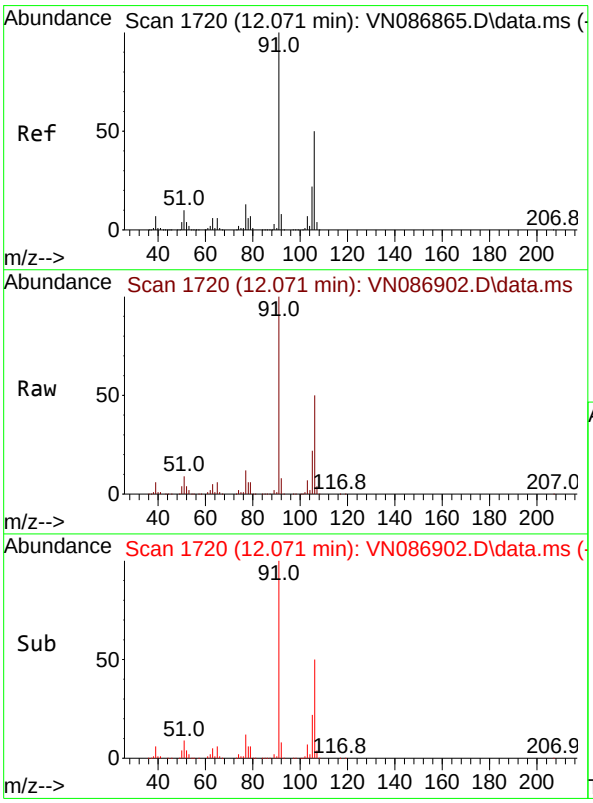
Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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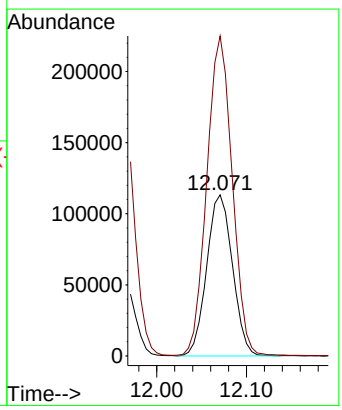
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

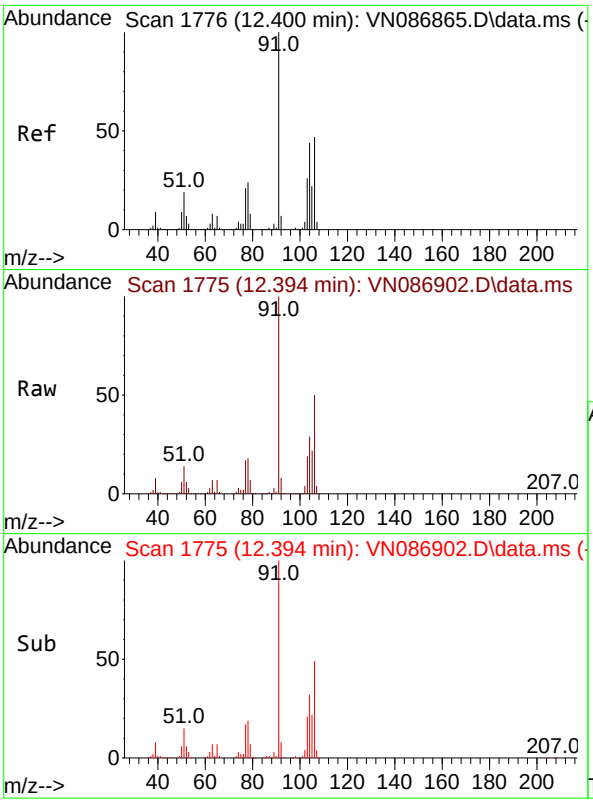


#68
m/p-Xylenes
Concen: 39.665 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:106 Resp: 226281

Ion	Ratio	Lower	Upper
106	100		
91	196.6	159.4	239.0

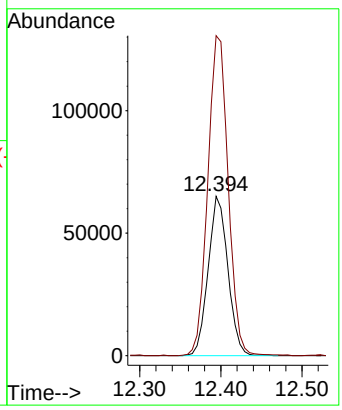




#69
o-Xylene
Concen: 20.117 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:106 Resp: 10991

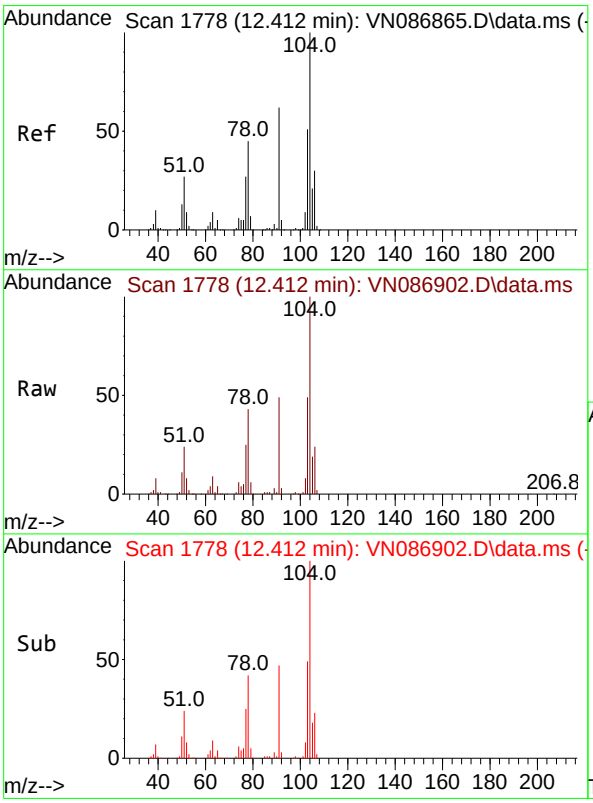
Ion	Ratio	Lower	Upper
106	100		
91	207.4	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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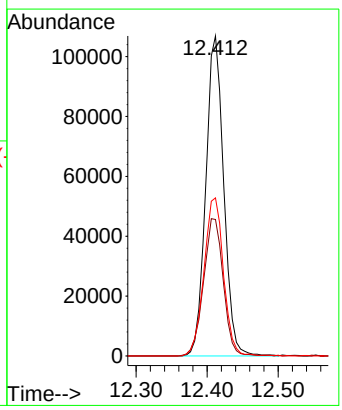
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

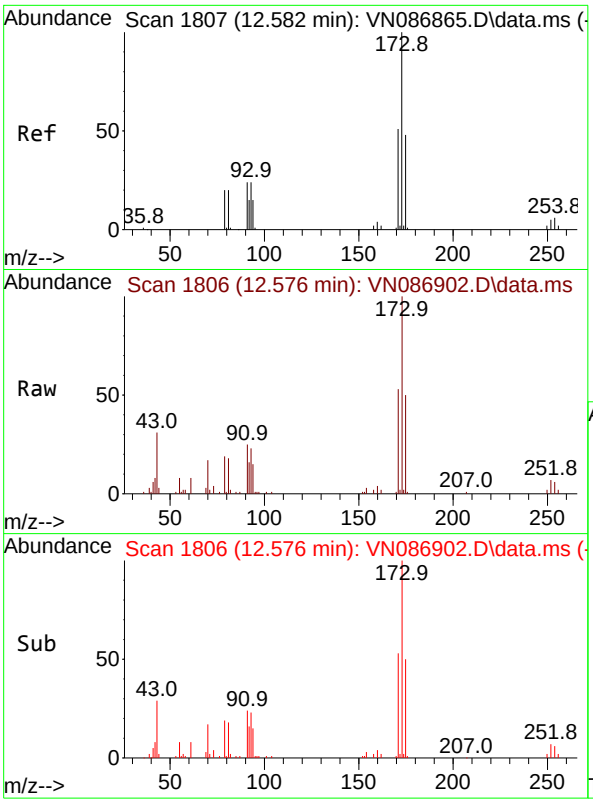


#70
Styrene
Concen: 20.096 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:104 Resp: 187888

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	54.0	43.1	64.7





#71
Bromoform
Concen: 21.533 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

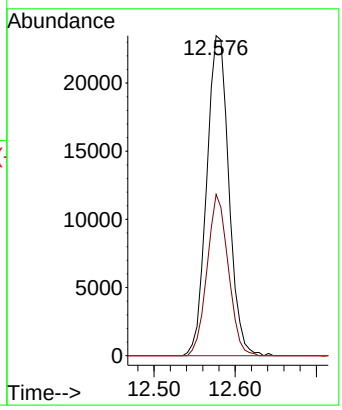
Tgt Ion:173 Resp: 4437

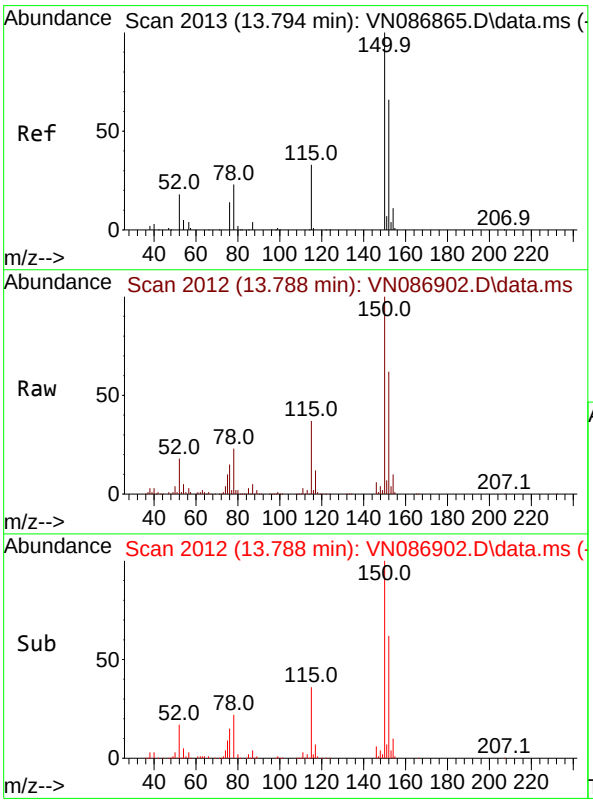
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

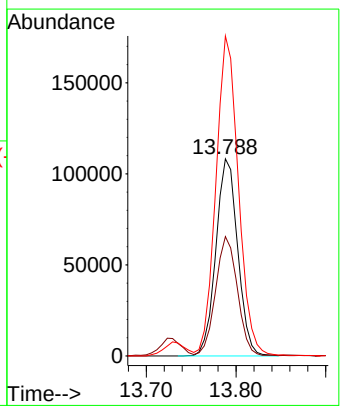


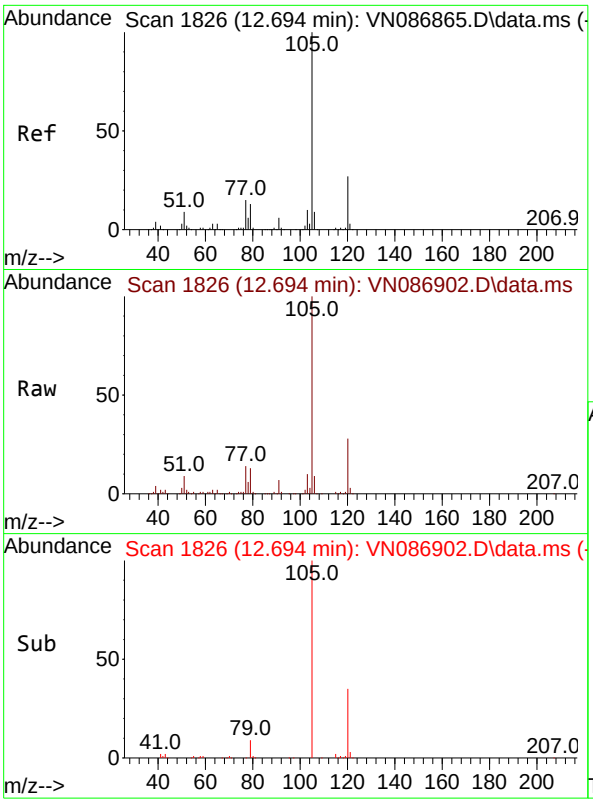


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:152 Resp: 182953

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	167.5	0.0	345.0

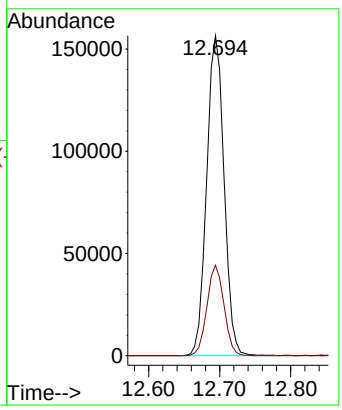




#73
Isopropylbenzene
Concen: 20.030 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 26696

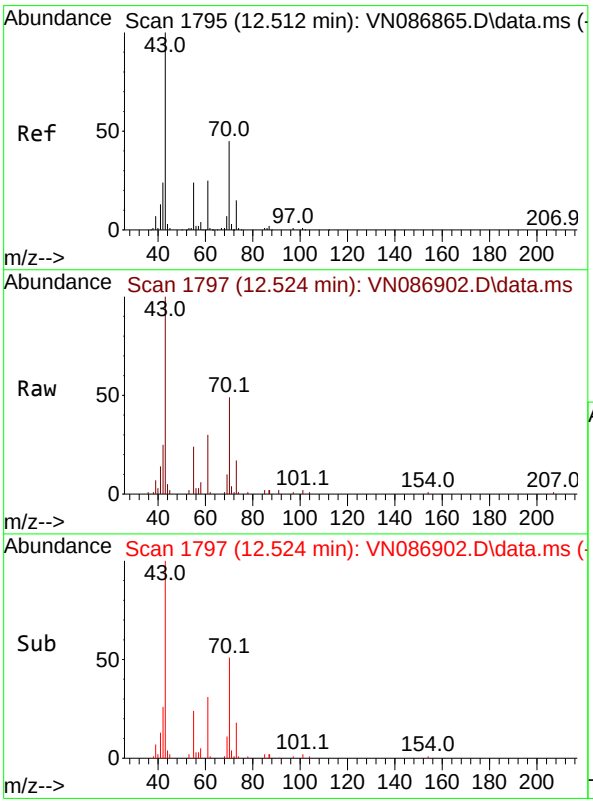
Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

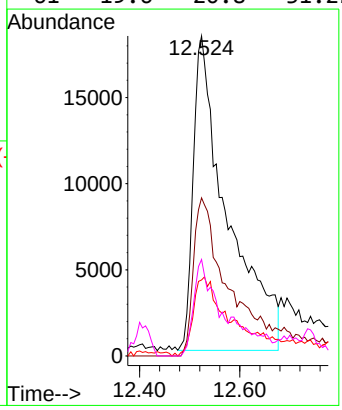
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

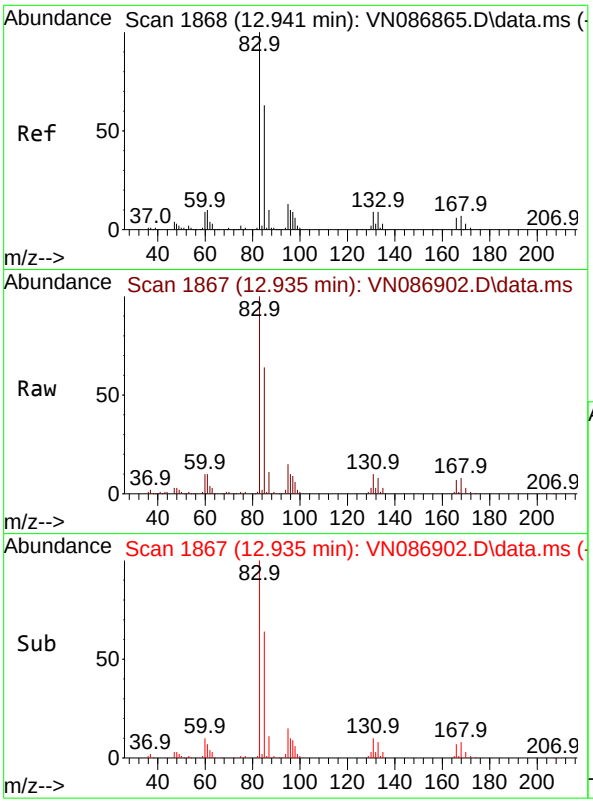


#74
N-amyl acetate
Concen: 18.514 ug/l
RT: 12.524 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 86229

Ion	Ratio	Lower	Upper
43	100		
70	53.0	37.6	56.4
55	19.6	19.0	28.6
61	19.6	20.8	31.2#

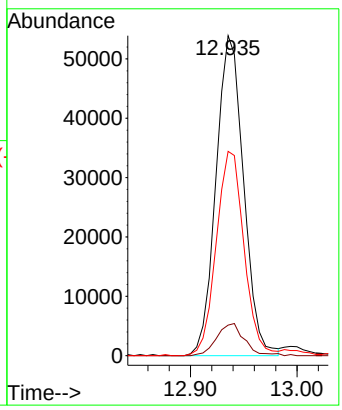




#75
1,1,2,2-Tetrachloroethane
Concen: 21.472 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 83 Resp: 9695

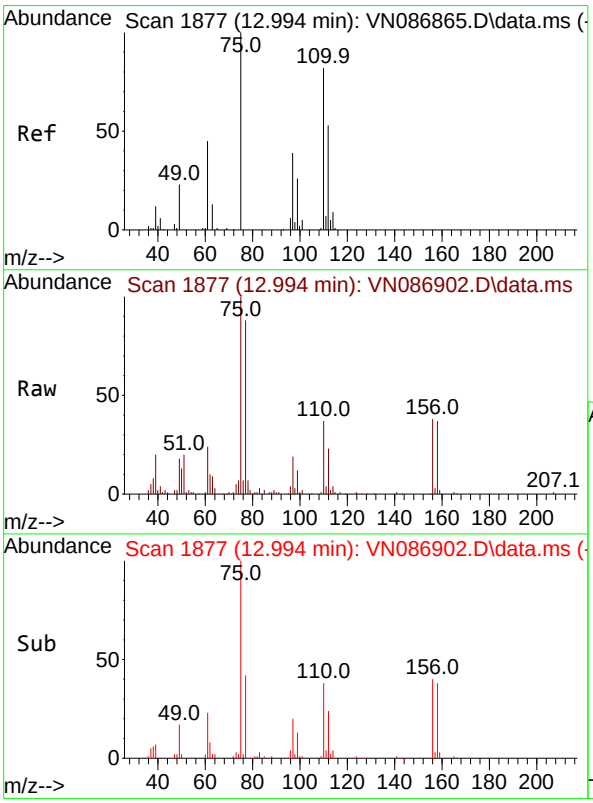
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.2	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

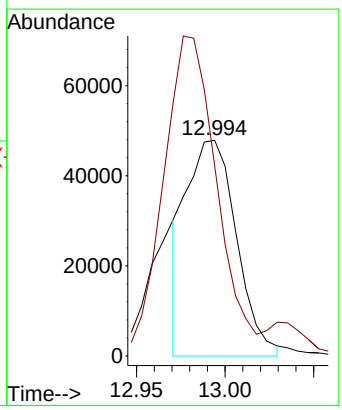
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

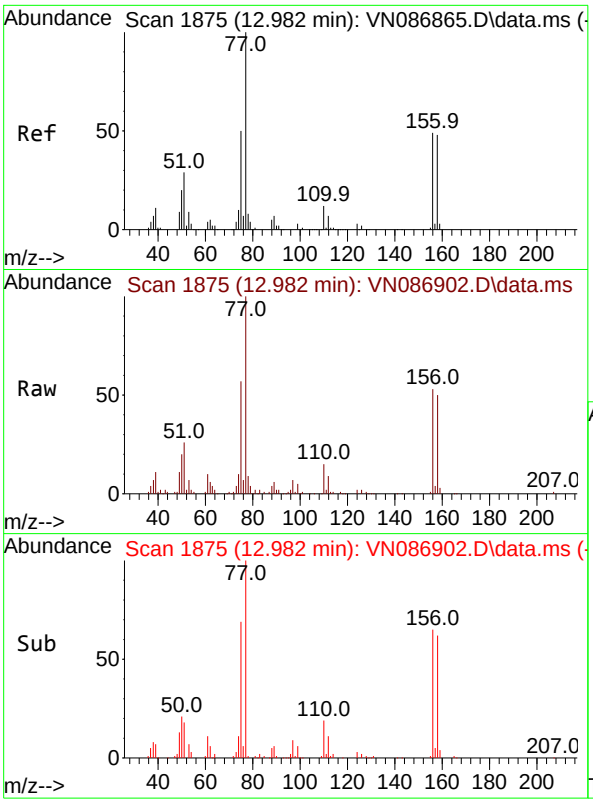


#76
1,2,3-Trichloropropane
Concen: 21.742 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 94554

Ion	Ratio	Lower	Upper
75	100		
77	157.5	79.3	237.9

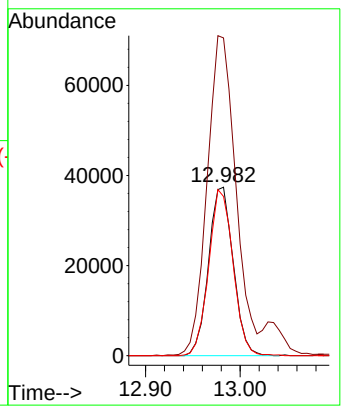




#77
Bromobenzene
Concen: 22.181 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:156 Resp: 6780

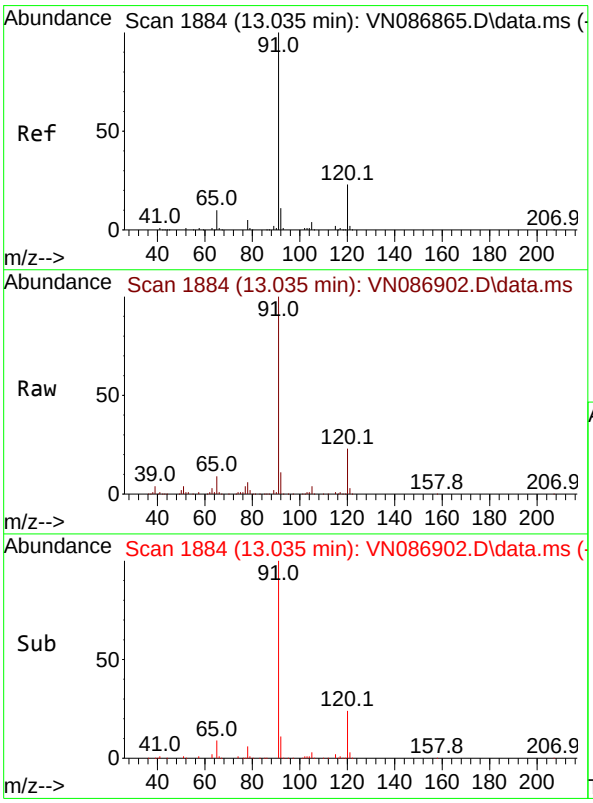
Ion	Ratio	Lower	Upper
156	100		
77	219.7	117.7	353.1
158	97.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

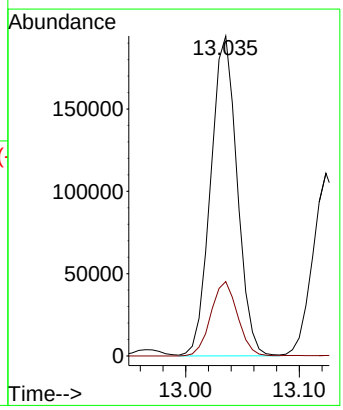
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

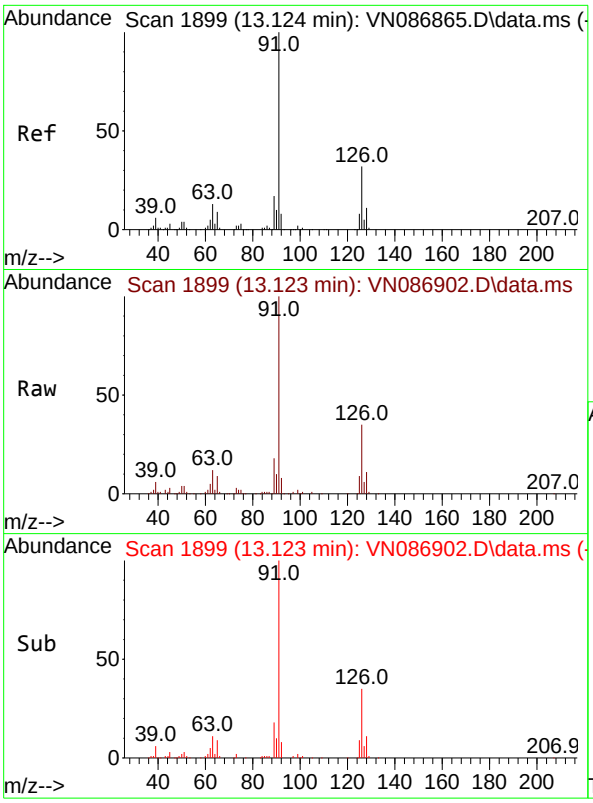


#78
n-propylbenzene
Concen: 19.436 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 314811

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2

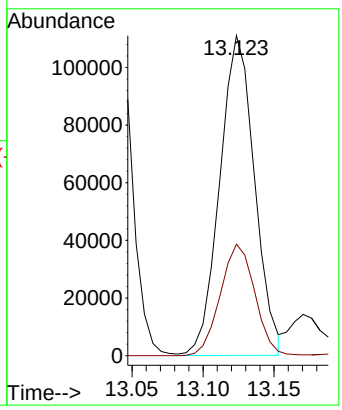




#79
2-Chlorotoluene
Concen: 19.460 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 18903

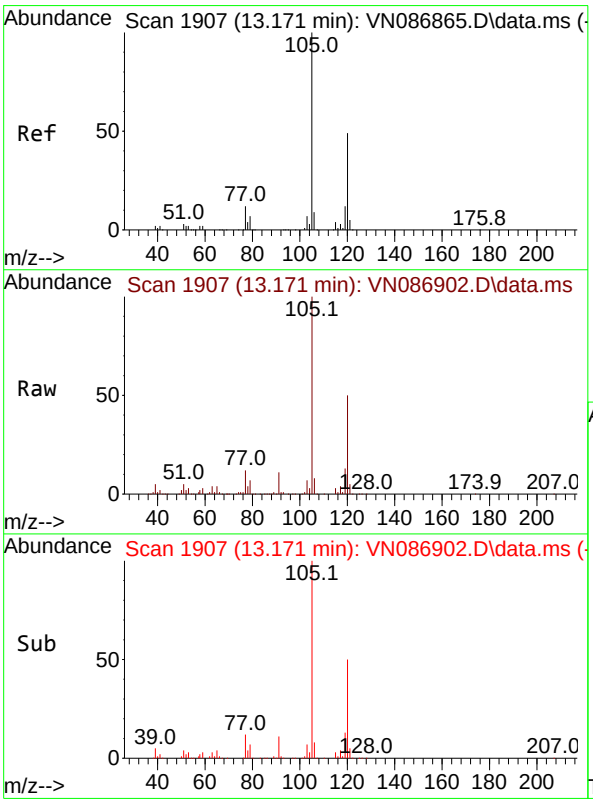
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

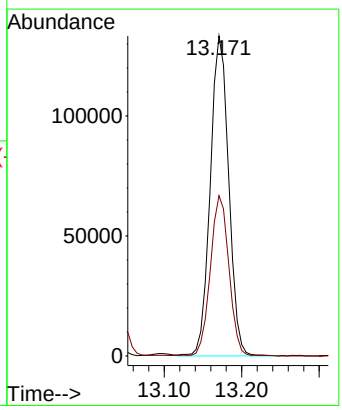
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

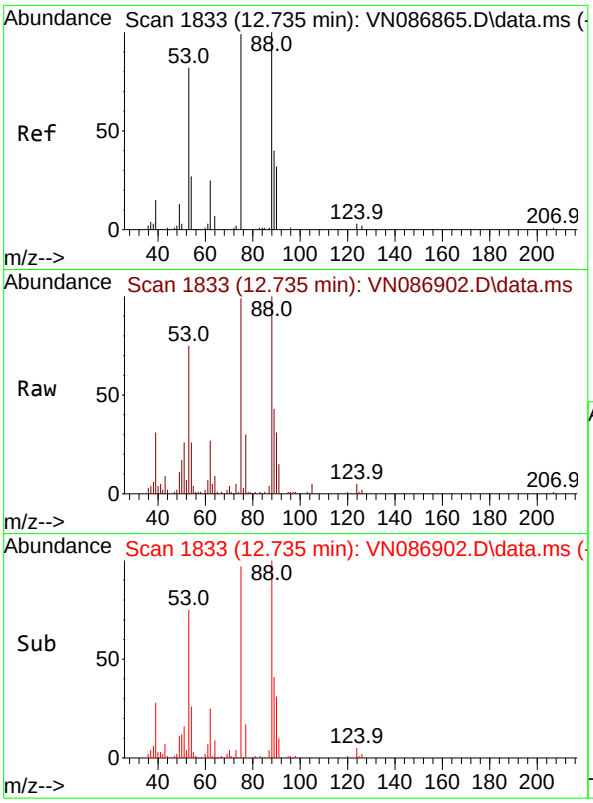


#80
1,3,5-Trimethylbenzene
Concen: 19.996 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 220034

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6

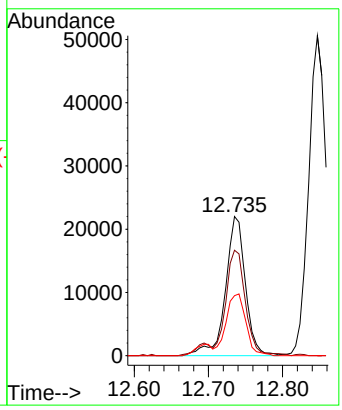




#81
trans-1,4-Dichloro-2-butene
Concen: 21.803 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 4119

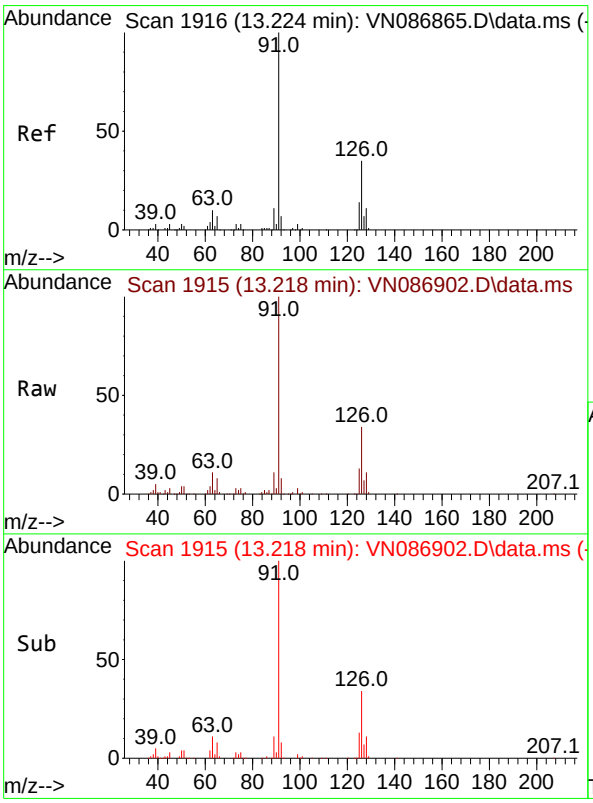
Ion	Ratio	Lower	Upper
75	100		
53	73.8	66.6	99.8
89	44.0	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

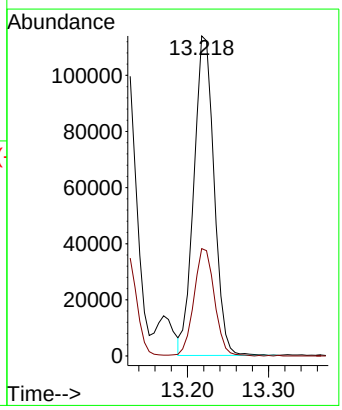
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

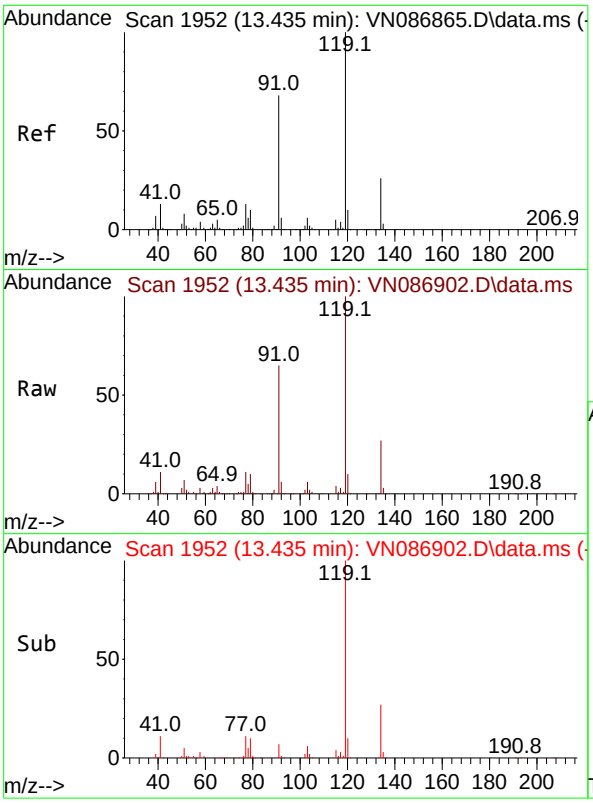


#82
4-Chlorotoluene
Concen: 20.042 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 196983

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.1

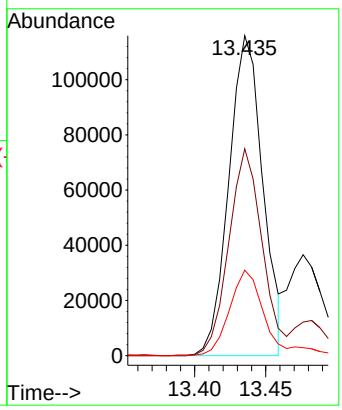




#83
tert-Butylbenzene
Concen: 19.116 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:119 Resp: 19255

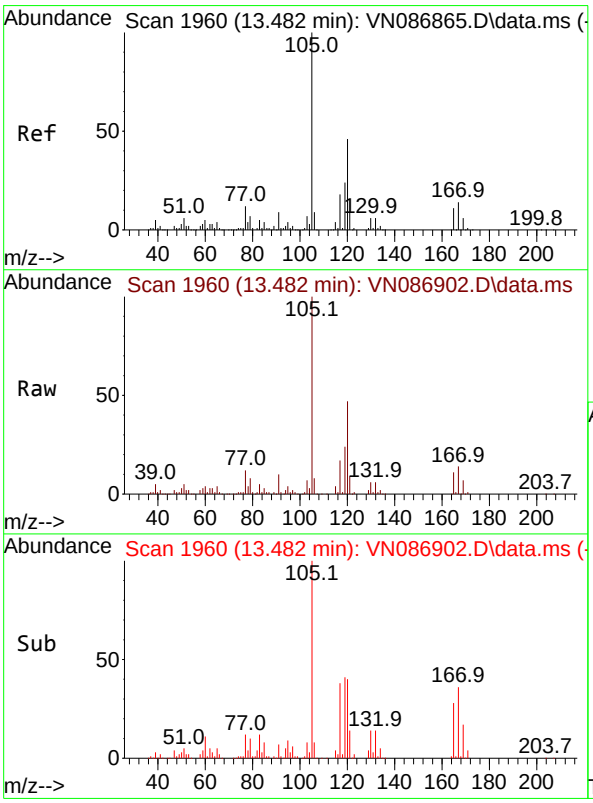
Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.1	96.5
134	28.0	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

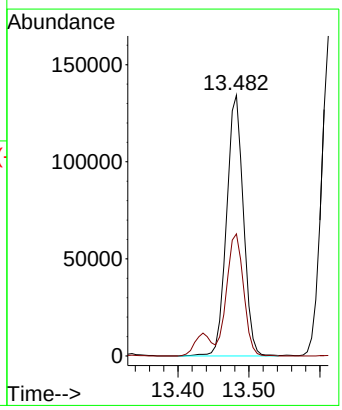
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

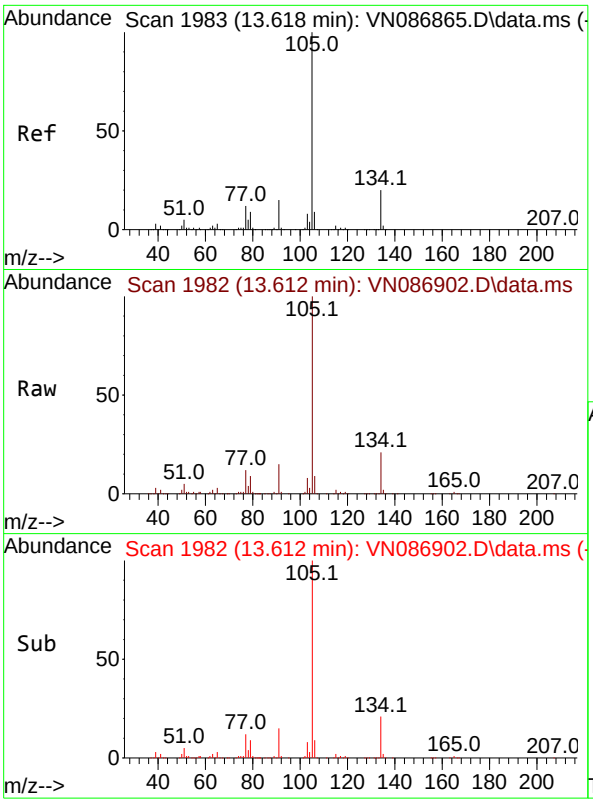


#84
1,2,4-Trimethylbenzene
Concen: 19.978 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 220449

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.2	69.6

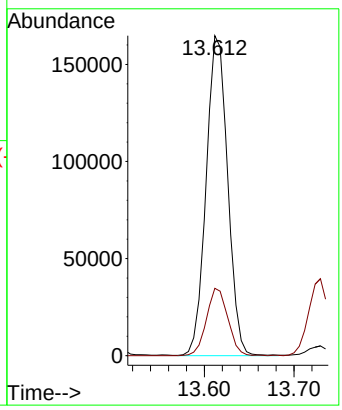




#85
sec-Butylbenzene
Concen: 18.777 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 27467

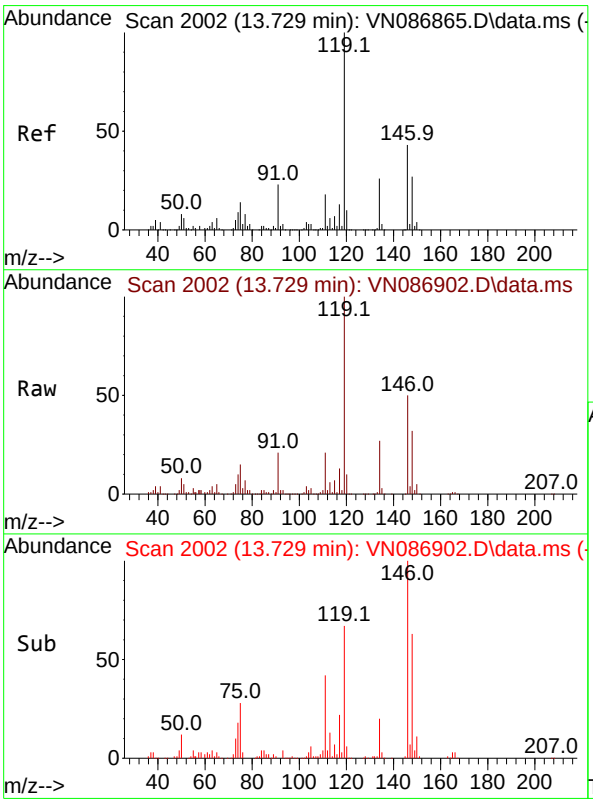
Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
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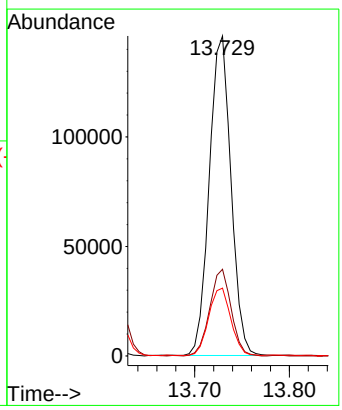
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

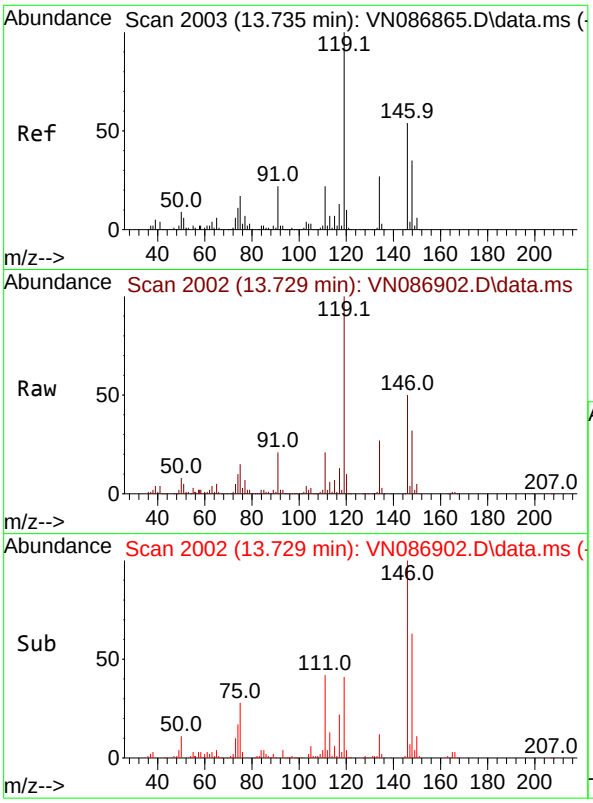


#86
p-Isopropyltoluene
Concen: 19.165 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:119 Resp: 231742

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	21.5	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 20.642 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

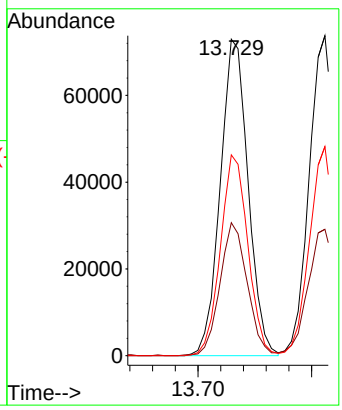
Tgt Ion:146 Resp: 12413

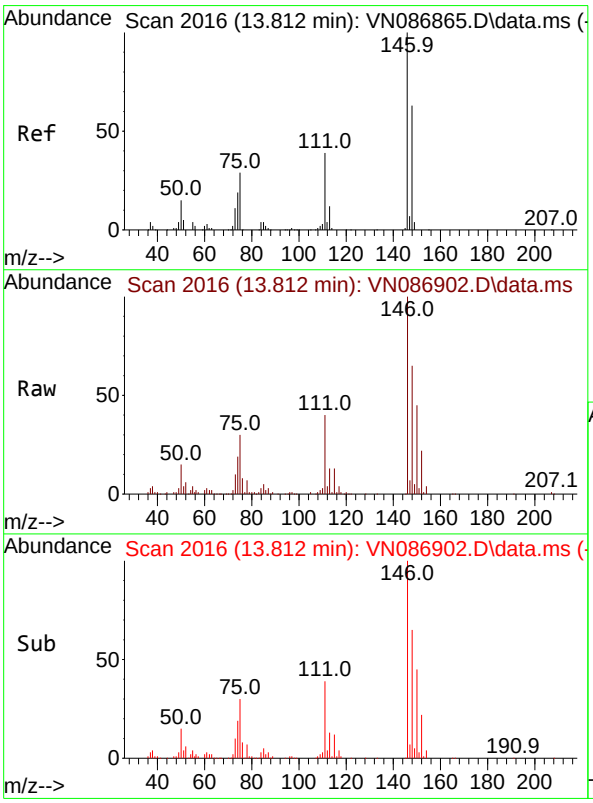
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	62.7	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

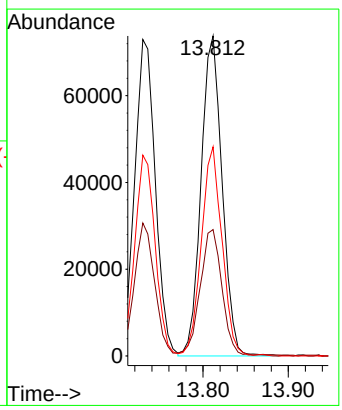


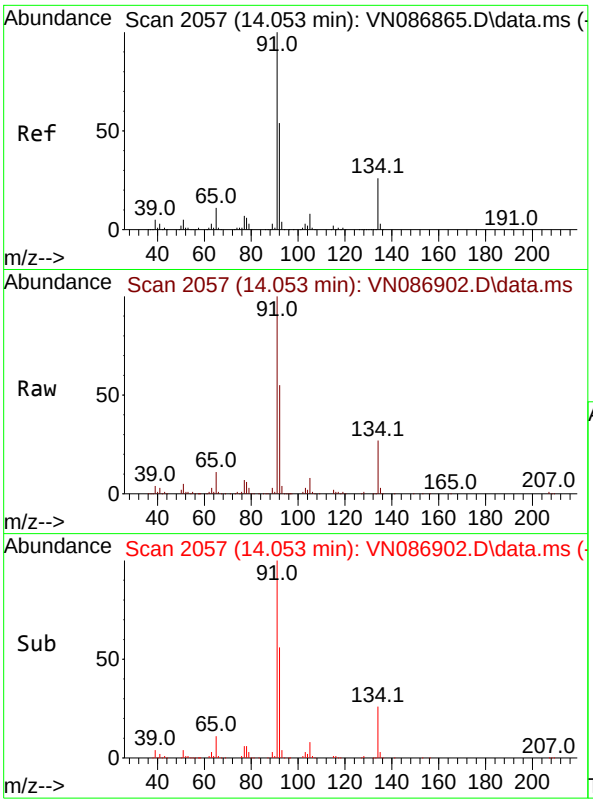


#88
1,4-Dichlorobenzene
Concen: 20.656 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:146 Resp: 126650

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.6	31.8	95.4





#89
n-Butylbenzene
Concen: 17.715 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

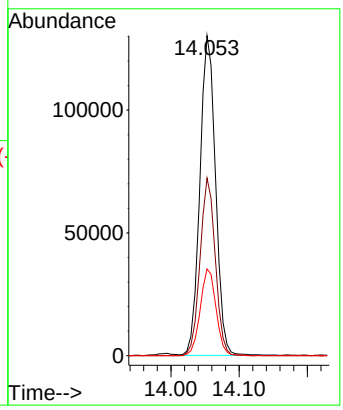
Tgt Ion: 91 Resp: 20748

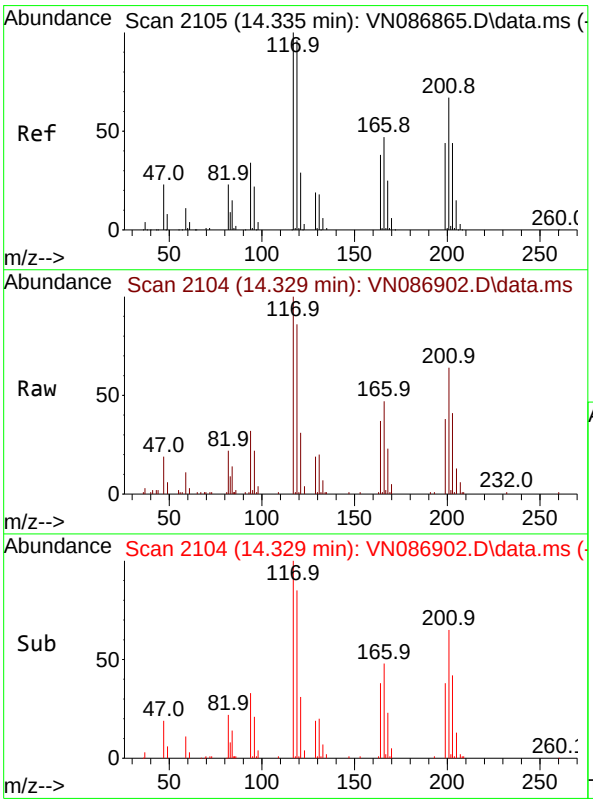
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	27.4	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

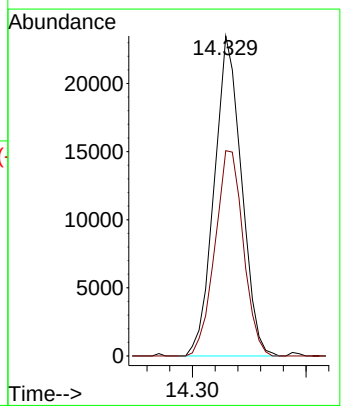


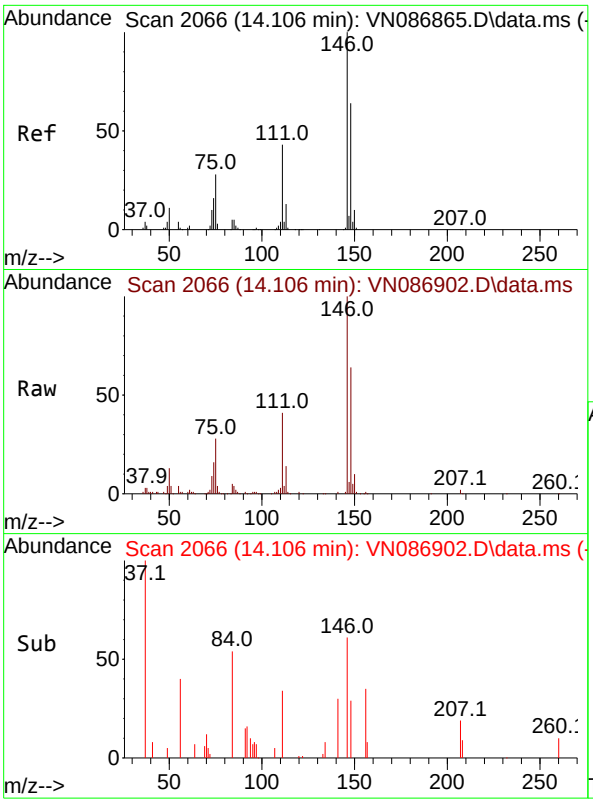


#90
Hexachloroethane
Concen: 19.090 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:117 Resp: 39127

Ion	Ratio	Lower	Upper
117	100		
201	66.8	33.2	99.6

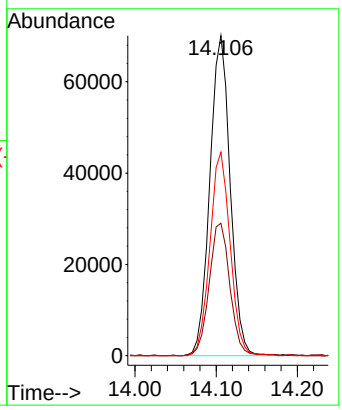




#91
1,2-Dichlorobenzene
Concen: 21.105 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:146 Resp: 12194

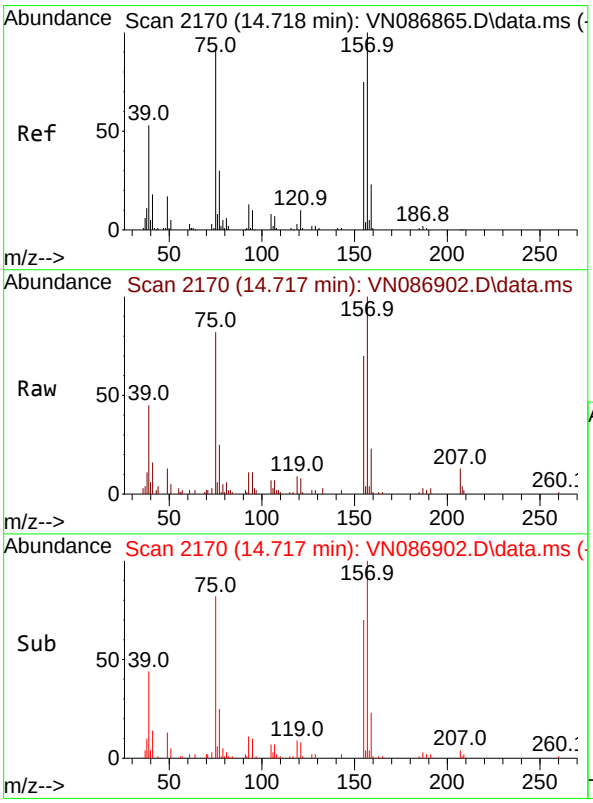
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

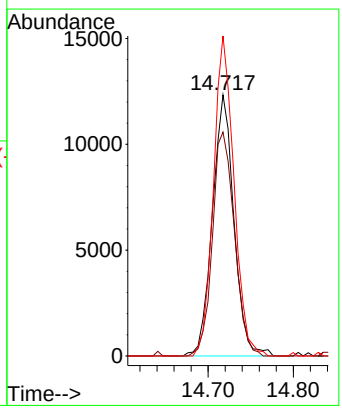
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

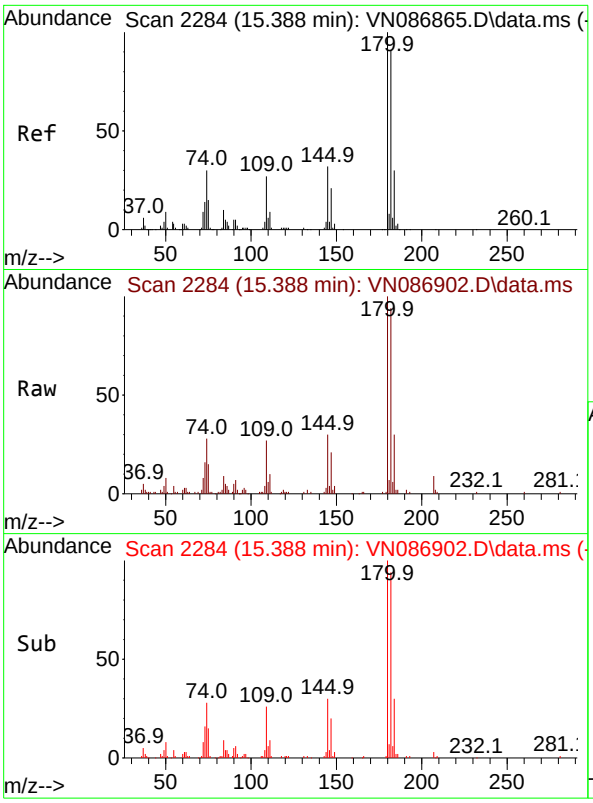


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.059 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 21661

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.1	123.4
157	116.4	52.7	158.1

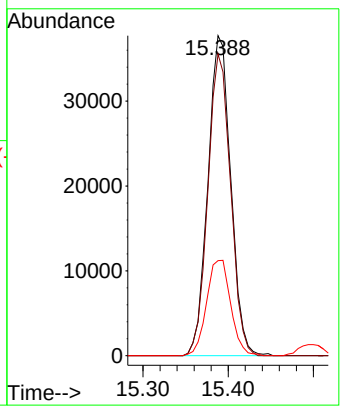




#93
1,2,4-Trichlorobenzene
Concen: 19.028 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:180 Resp: 7020

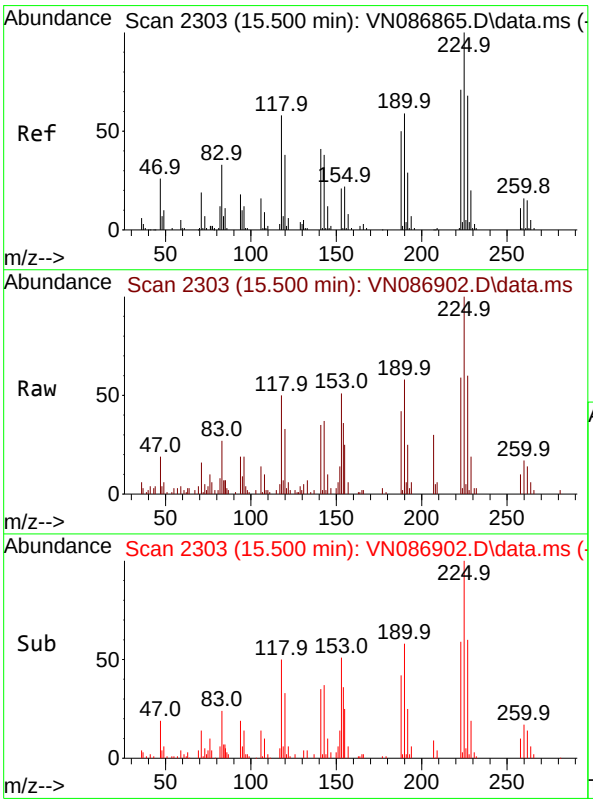
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.7
145	31.5	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

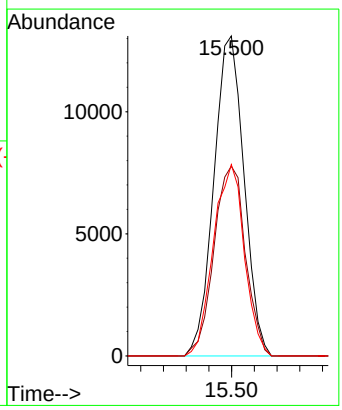
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

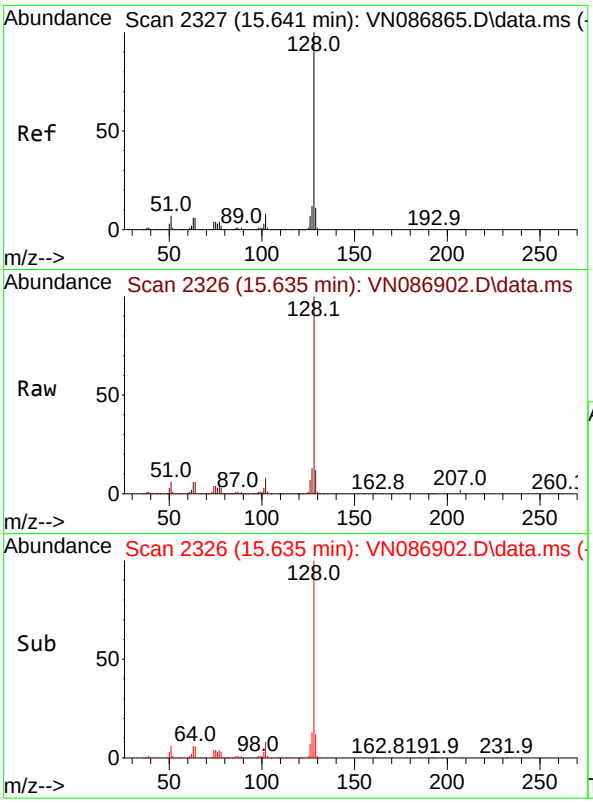


#94
Hexachlorobutadiene
Concen: 17.589 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:225 Resp: 24178

Ion	Ratio	Lower	Upper
225	100		
223	62.1	33.5	100.4
227	61.2	31.1	93.5

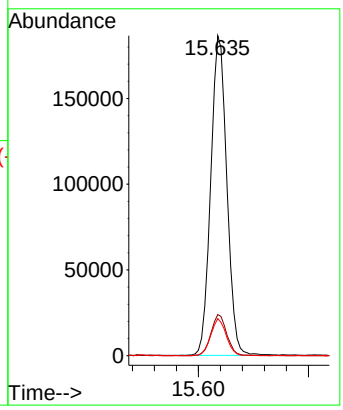




#95
Naphthalene
Concen: 27.638 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:128 Resp: 37954

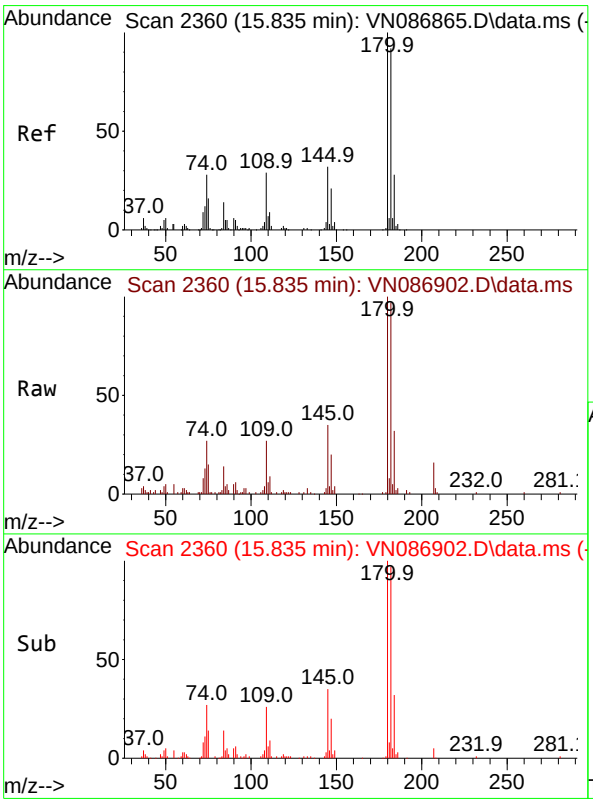
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations
APPROVED

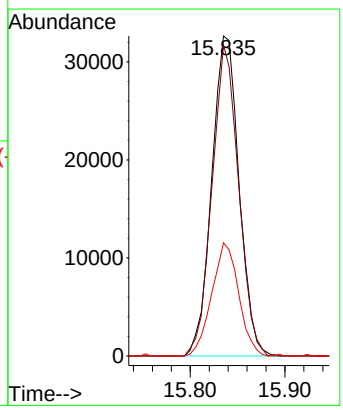
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.840 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:180 Resp: 65394

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	34.9	16.6	49.8



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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vn060925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086888.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:41 AM	MMDadoda	6/10/2025 2:25:05 PM	Peak Integrated by Software
VN0609WBS01	VN086893.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:50 AM	MMDadoda	6/10/2025 2:25:08 PM	Peak Integrated by Software
VN0609WBSD01	VN086902.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:01:04 AM	MMDadoda	6/10/2025 2:25:12 PM	Peak Integrated by Software
VSTDCCC050	VN086911.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:03:16 AM	MMDadoda	6/10/2025 2:25:13 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086887.D	09 Jun 2025 08:04	JC\MD	Ok
2	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	JC\MD	Ok,M
3	VN0609MBL01	VN086889.D	09 Jun 2025 09:12	JC\MD	Ok
4	VN0609WBL01	VN086890.D	09 Jun 2025 09:33	JC\MD	Ok
5	VN0609MBS01	VN086891.D	09 Jun 2025 09:55	JC\MD	Ok,M
6	Q2216-01	VN086892.D	09 Jun 2025 10:29	JC\MD	Dilution
7	VN0609WBS01	VN086893.D	09 Jun 2025 10:50	JC\MD	Ok,M
8	Q2254-01	VN086894.D	09 Jun 2025 11:12	JC\MD	Ok
9	Q2216-05	VN086895.D	09 Jun 2025 11:33	JC\MD	Ok
10	Q2216-06	VN086896.D	09 Jun 2025 11:55	JC\MD	Ok,M
11	Q2236-01	VN086897.D	09 Jun 2025 12:16	JC\MD	Ok
12	Q2236-05RE	VN086898.D	09 Jun 2025 12:38	JC\MD	Confirms
13	Q2236-09	VN086899.D	09 Jun 2025 12:59	JC\MD	Ok
14	Q2236-17RE	VN086900.D	09 Jun 2025 13:21	JC\MD	Confirms
15	Q2216-01DL	VN086901.D	09 Jun 2025 13:42	JC\MD	Ok
16	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04	JC\MD	Ok,M
17	Q2192-01	VN086903.D	09 Jun 2025 14:25	JC\MD	Ok
18	Q2242-04	VN086904.D	09 Jun 2025 14:47	JC\MD	Ok
19	Q2198-02	VN086905.D	09 Jun 2025 15:08	JC\MD	Ok
20	Q2198-04	VN086906.D	09 Jun 2025 15:30	JC\MD	Ok
21	Q2206-04	VN086907.D	09 Jun 2025 15:51	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2226-04	VN086908.D	09 Jun 2025 16:13	JC\MD	Ok
23	Q2228-04	VN086909.D	09 Jun 2025 16:34	JC\MD	Ok
24	Q2235-01	VN086910.D	09 Jun 2025 16:55	JC\MD	Ok
25	VSTDCCC050	VN086911.D	09 Jun 2025 17:17	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
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	VN086887.D	09 Jun 2025 08:04		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0609MBL01	VN0609MBL01	VN086889.D	09 Jun 2025 09:12		JC\MD	Ok
4	VN0609WBL01	VN0609WBL01	VN086890.D	09 Jun 2025 09:33		JC\MD	Ok
5	VN0609MBS01	VN0609MBS01	VN086891.D	09 Jun 2025 09:55		JC\MD	Ok,M
6	Q2216-01	3898	VN086892.D	09 Jun 2025 10:29	need 10X	JC\MD	Dilution
7	VN0609WBS01	VN0609WBS01	VN086893.D	09 Jun 2025 10:50		JC\MD	Ok,M
8	Q2254-01	BP-VPB-182-GW-810-8	VN086894.D	09 Jun 2025 11:12	vial B pH<2	JC\MD	Ok
9	Q2216-05	3865	VN086895.D	09 Jun 2025 11:33	vial B pH<2	JC\MD	Ok
10	Q2216-06	3851	VN086896.D	09 Jun 2025 11:55	vial B pH<2	JC\MD	Ok,M
11	Q2236-01	WC-A4-05A-G	VN086897.D	09 Jun 2025 12:16	vial B pH#5.0	JC\MD	Ok
12	Q2236-05RE	WC-A2-04-GRE	VN086898.D	09 Jun 2025 12:38	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
13	Q2236-09	WC-A2-05-G	VN086899.D	09 Jun 2025 12:59	vial B pH#5.0	JC\MD	Ok
14	Q2236-17RE	WC-A2-07-GRE	VN086900.D	09 Jun 2025 13:21	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	Q2216-01DL	3898DL	VN086901.D	09 Jun 2025 13:42		JC\MD	Ok
16	VN0609WBSD01	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04		JC\MD	Ok,M
17	Q2192-01	SB-1	VN086903.D	09 Jun 2025 14:25	vial B pH#5.0	JC\MD	Ok
18	Q2242-04	TP09-MHJ	VN086904.D	09 Jun 2025 14:47	vial B pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2198-02	B-202-SB02	VN086905.D	09 Jun 2025 15:08	vial B pH#5.0	JC\MD	Ok
20	Q2198-04	B-207-SB02	VN086906.D	09 Jun 2025 15:30	vial B pH#5.0	JC\MD	Ok
21	Q2206-04	TP-1	VN086907.D	09 Jun 2025 15:51	vial B pH#5.0	JC\MD	Ok
22	Q2226-04	TP06-MHI-WC	VN086908.D	09 Jun 2025 16:13	vial B pH#5.0	JC\MD	Ok
23	Q2228-04	TP08-MHI-WC	VN086909.D	09 Jun 2025 16:34	vial B pH#5.0	JC\MD	Ok
24	Q2235-01	WC-A2-08-G	VN086910.D	09 Jun 2025 16:55	vial B pH#5.0	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN086911.D	09 Jun 2025 17:17		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2254

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VN060925,

Standard ID :
VP133174,VP133887,VP133935,VP133953,VP133991,VP134142,VP134149,VP134162,VP134163,VP134164,

Chemical ID :
V13391,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14620,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14921,V14929,V14944,V14945,V14946,V14947,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
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

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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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP134162	06/09/2025	06/10/2025	John Carlone	None	None	Mahesh Dadoda 06/10/2025

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	VP134163	06/09/2025	06/10/2025	John Carlone	None	None	Mahesh Dadoda 06/10/2025

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	VP134164	06/09/2025	06/10/2025	John Carlone	None	None	Mahesh Dadoda 06/10/2025

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	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 #
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	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	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

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

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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

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 #
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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

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
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846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

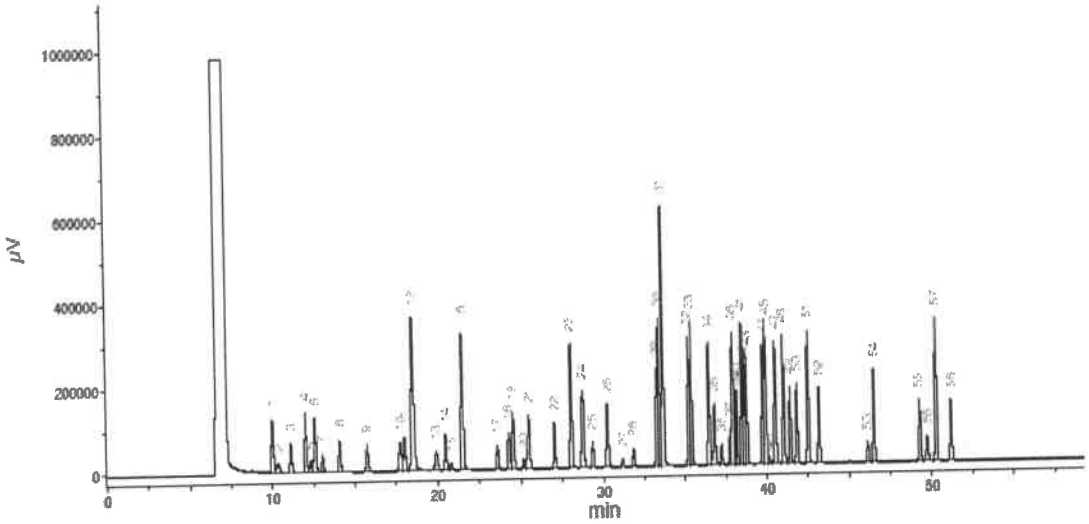
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	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	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.23
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
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

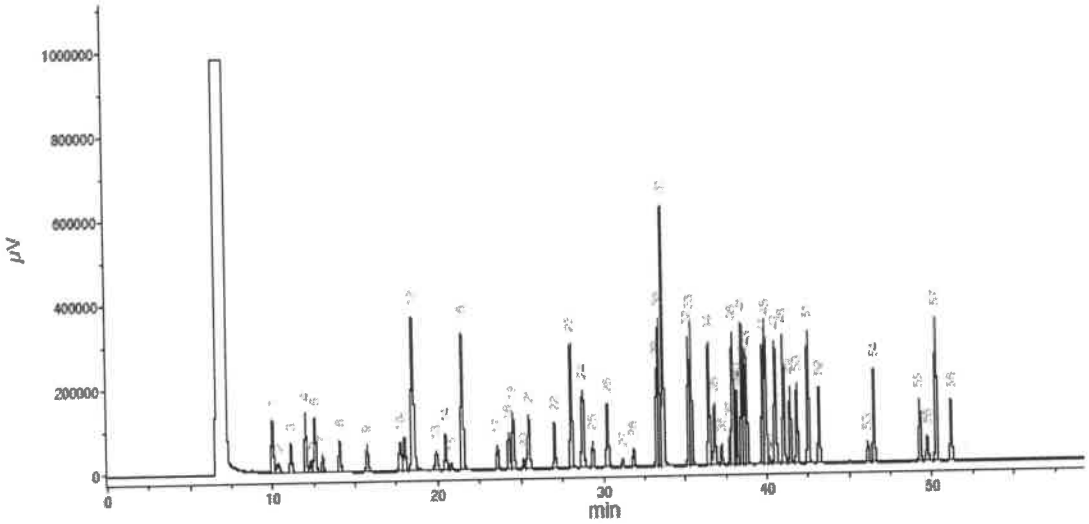
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethane/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

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

Solvent(s): **Lot#**
Water 072324Q

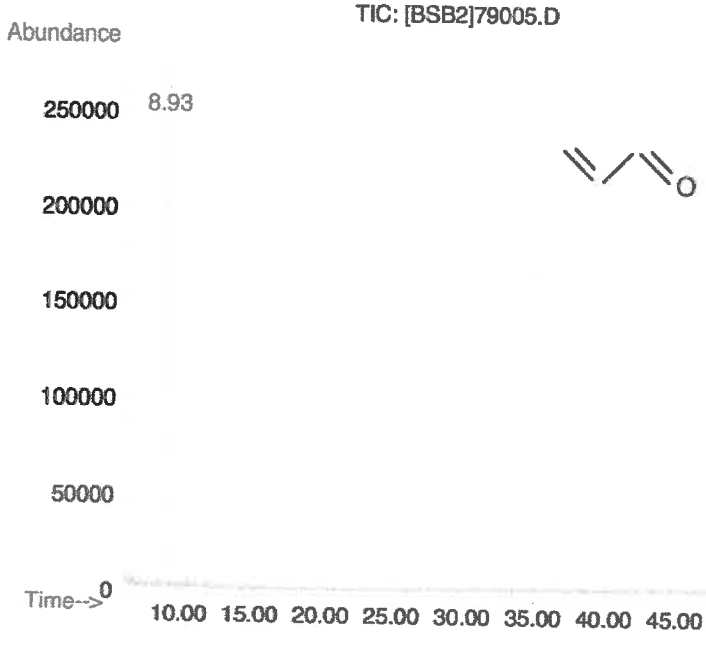
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0.001 Flask Uncertainty

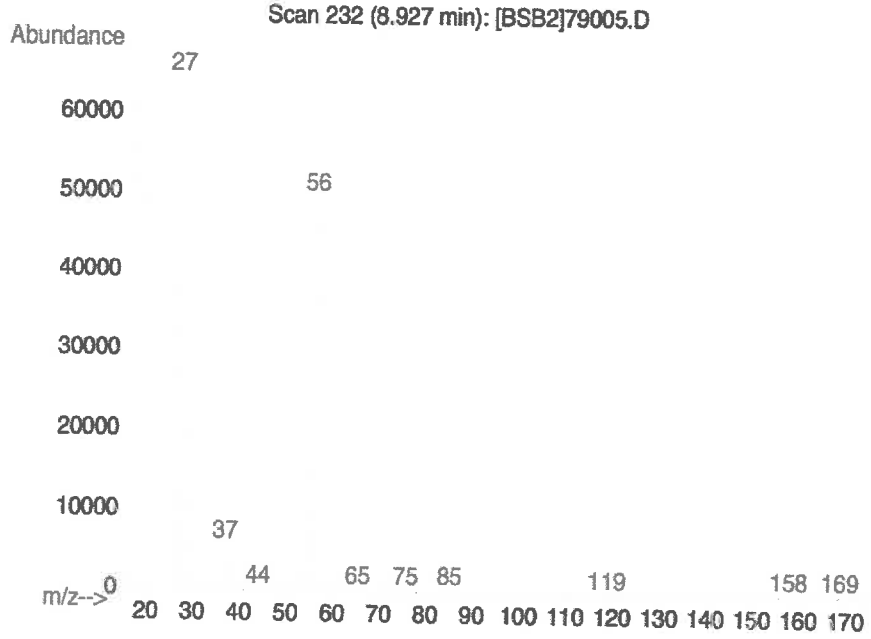
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

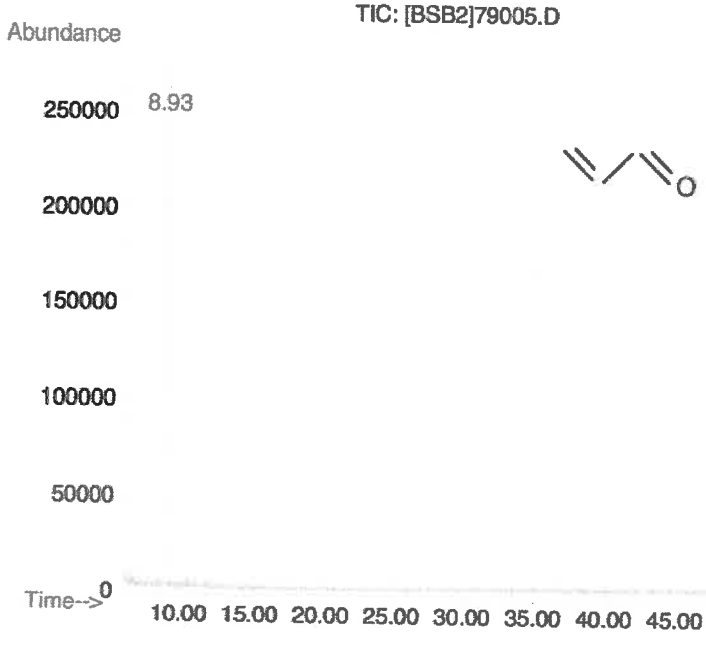
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

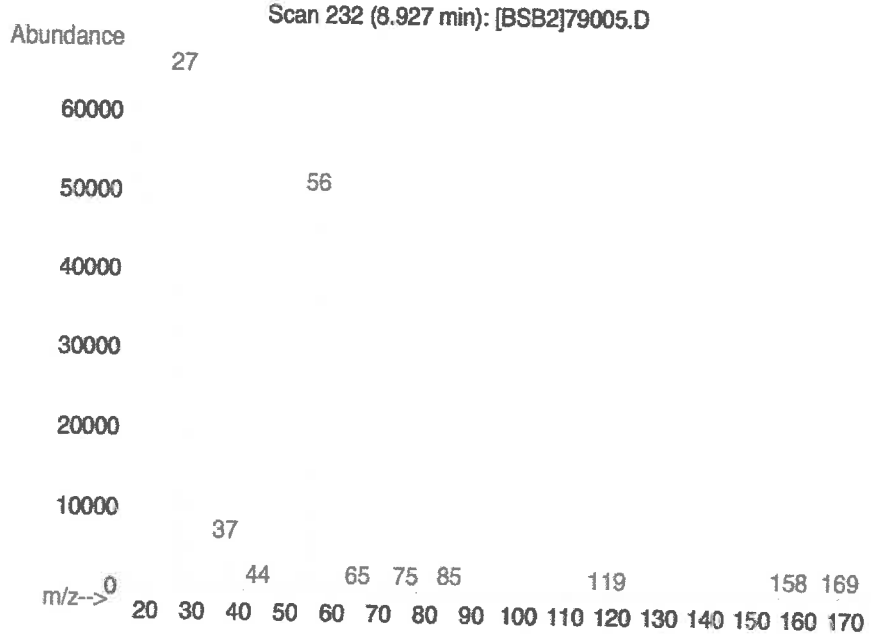
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

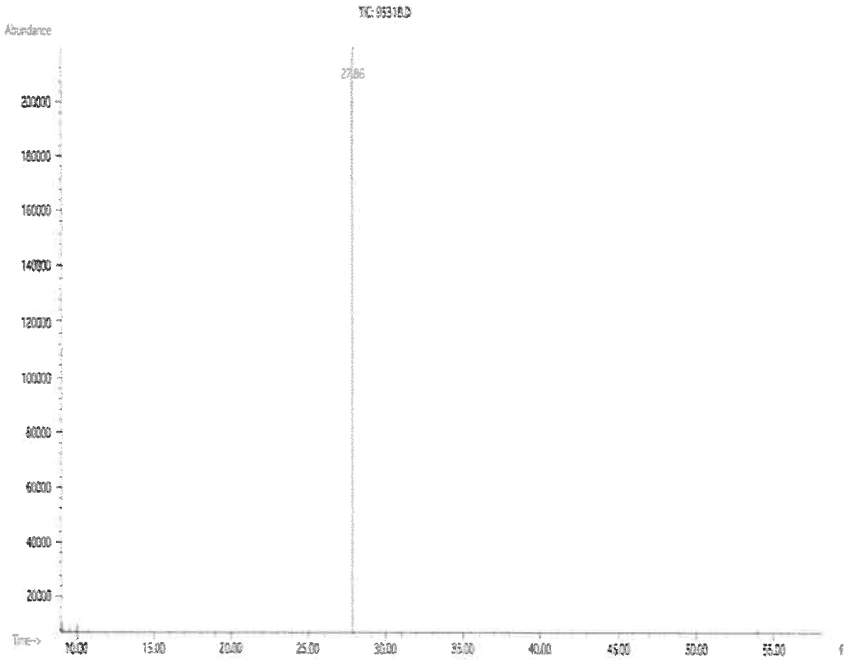
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

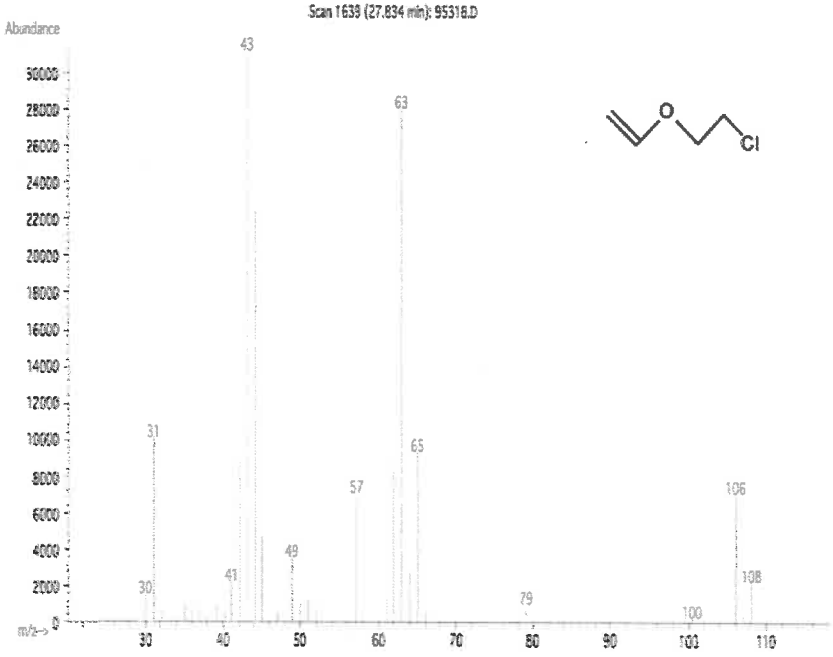
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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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

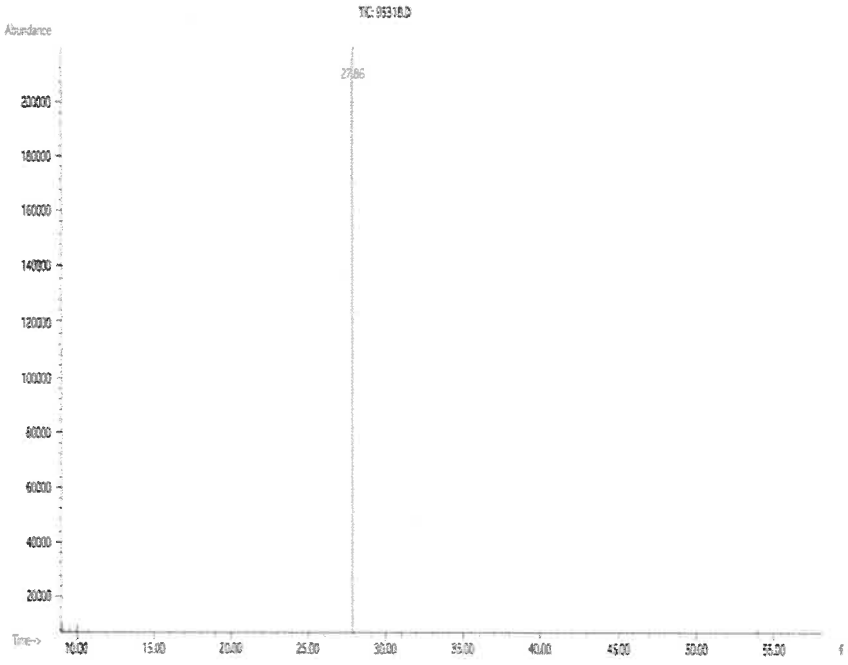
Solvent(s): Methanol **Lot#** EJ143-US

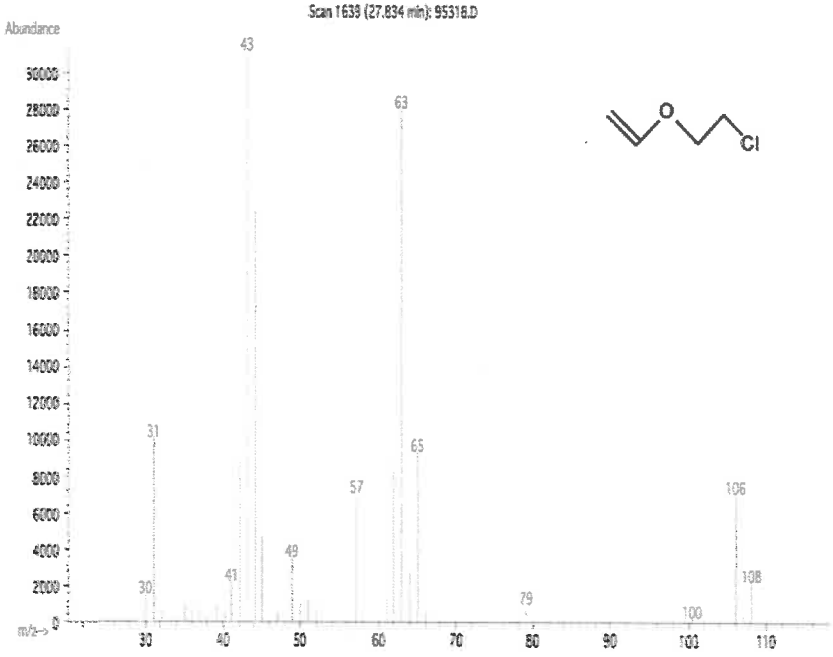
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

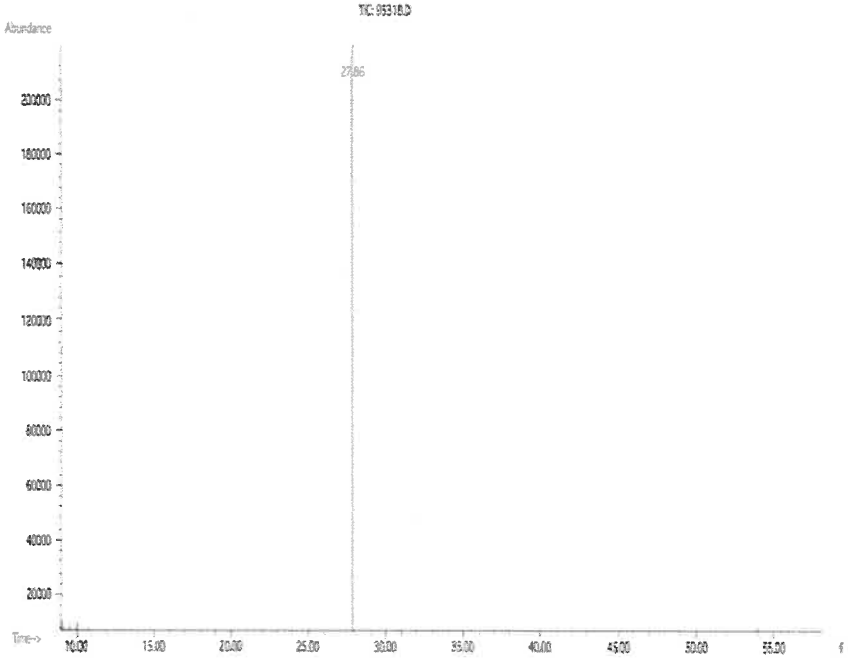
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

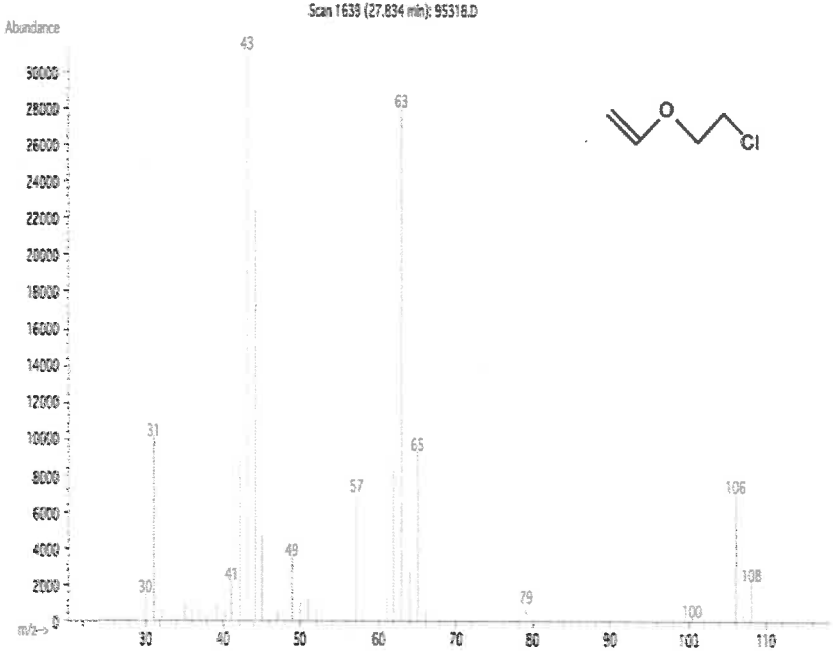
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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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.
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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.

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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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
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

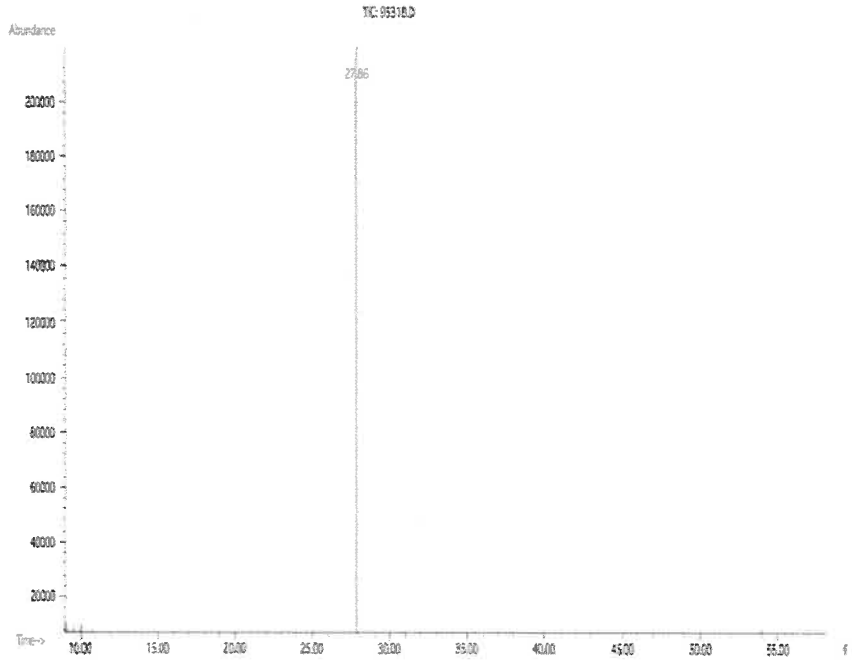
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

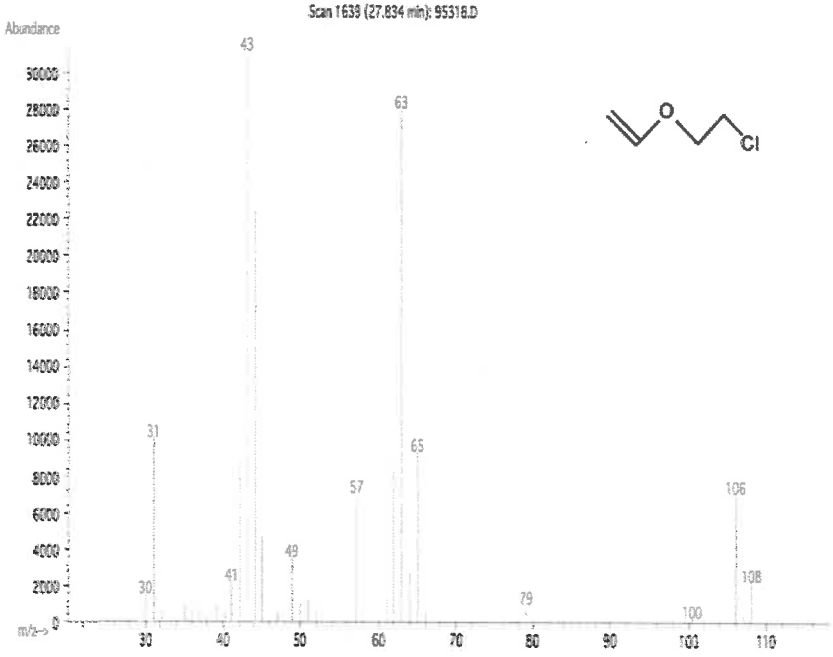
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

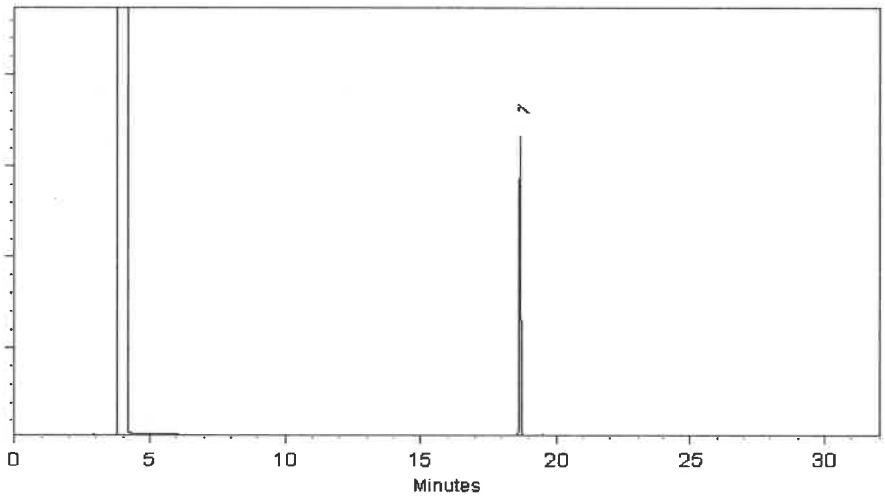
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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. : 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.)

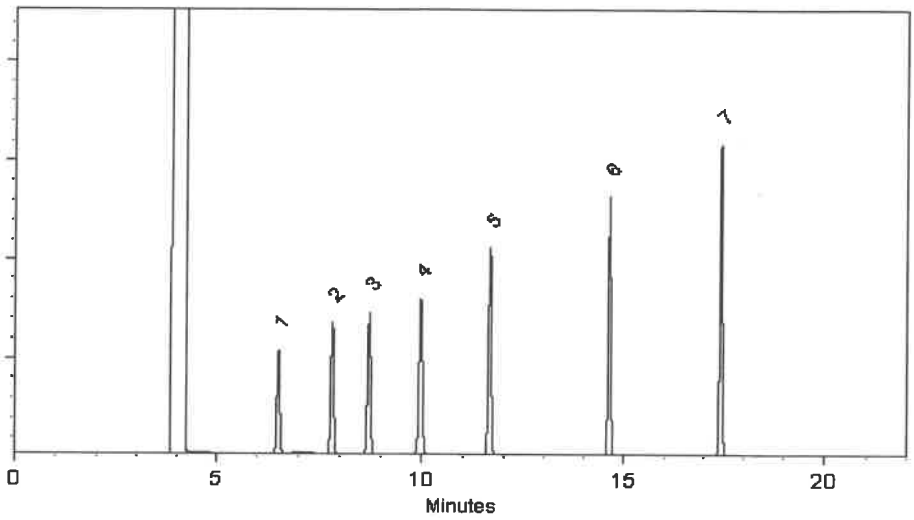
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ACCREDITED
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Certificate of Analysis

chromatographic plus

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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:

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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

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105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
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Temp. Program:
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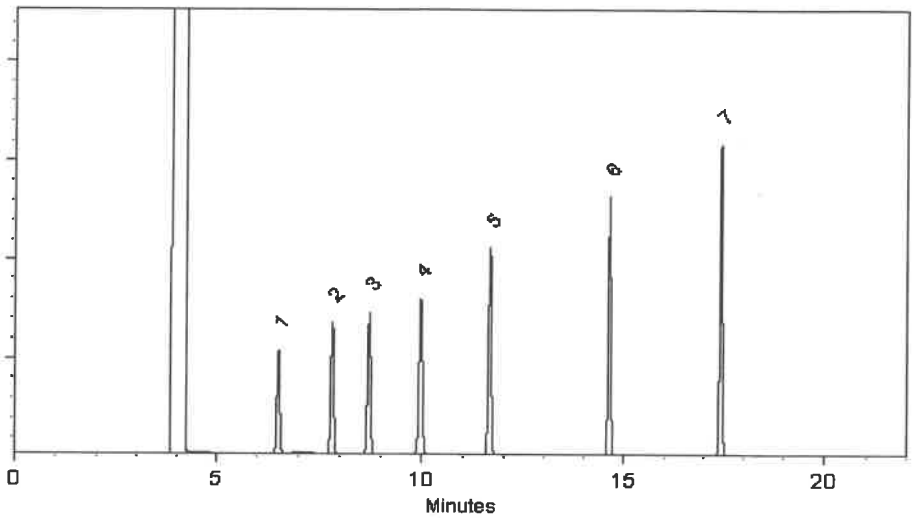
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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. : 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.
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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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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.)

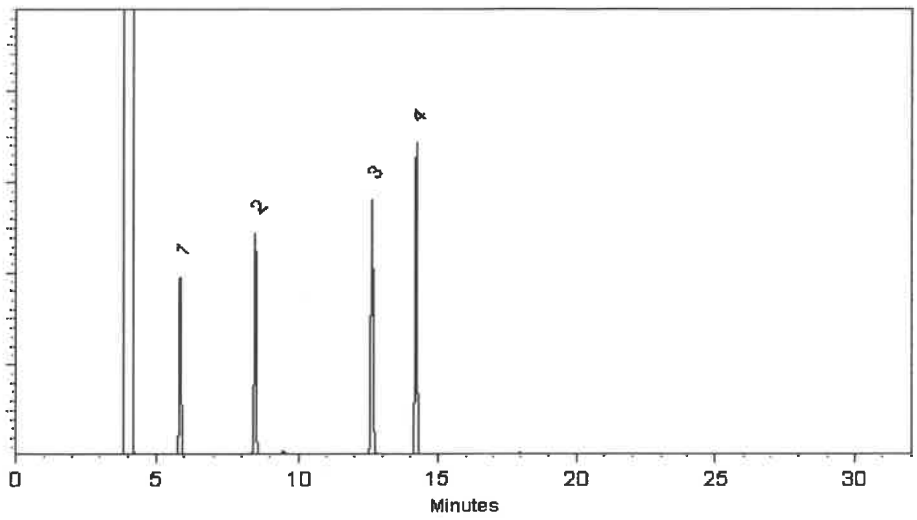
Inj. Temp:
200°C

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.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

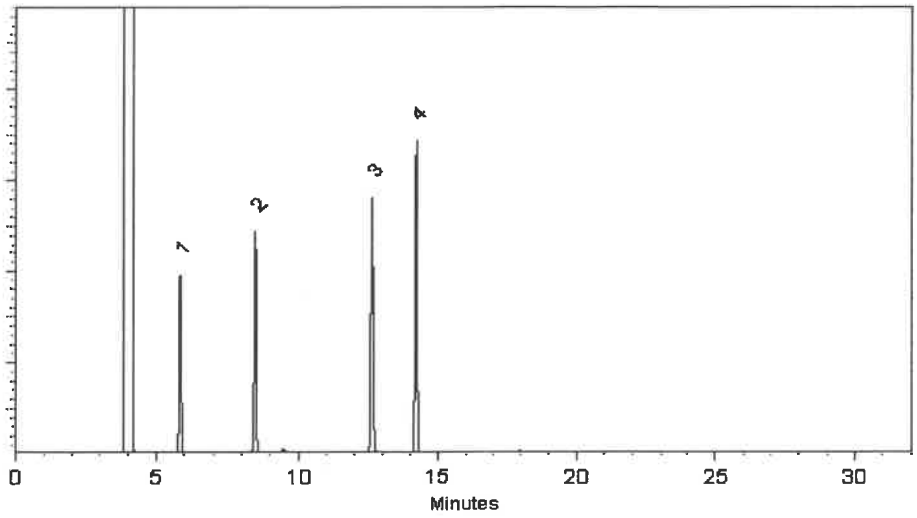
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- 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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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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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.)

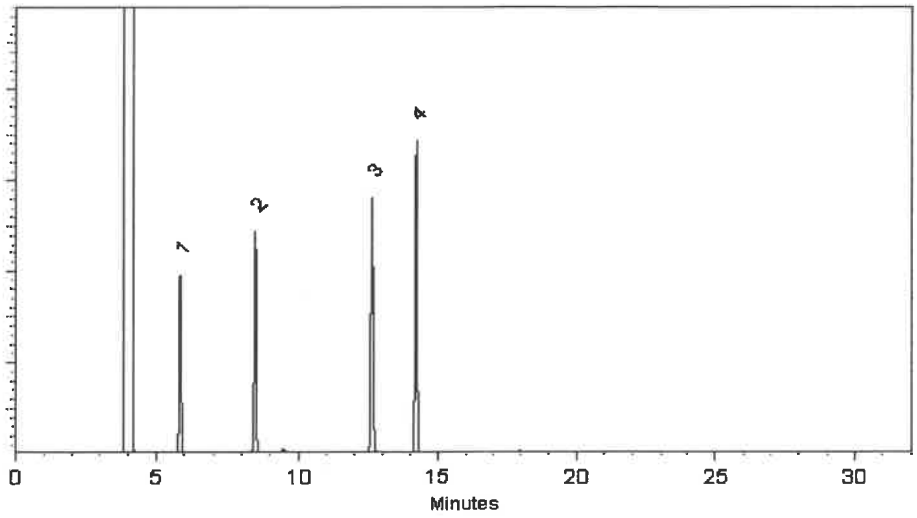
Inj. Temp:
200°C

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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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
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* 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.)

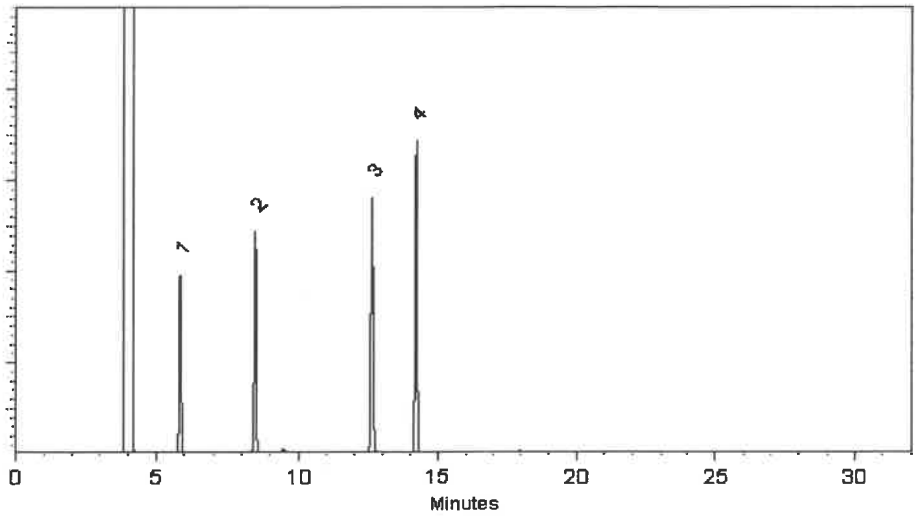
Inj. Temp:
200°C

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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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

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V14667 to
V14676

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Reference Material Producer
Certificate #3222.01

ACCREDITED
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

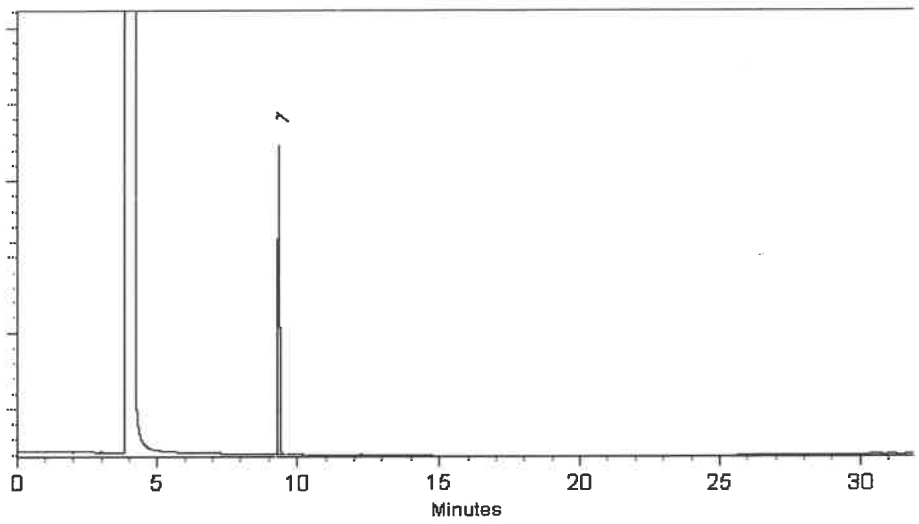
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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.)

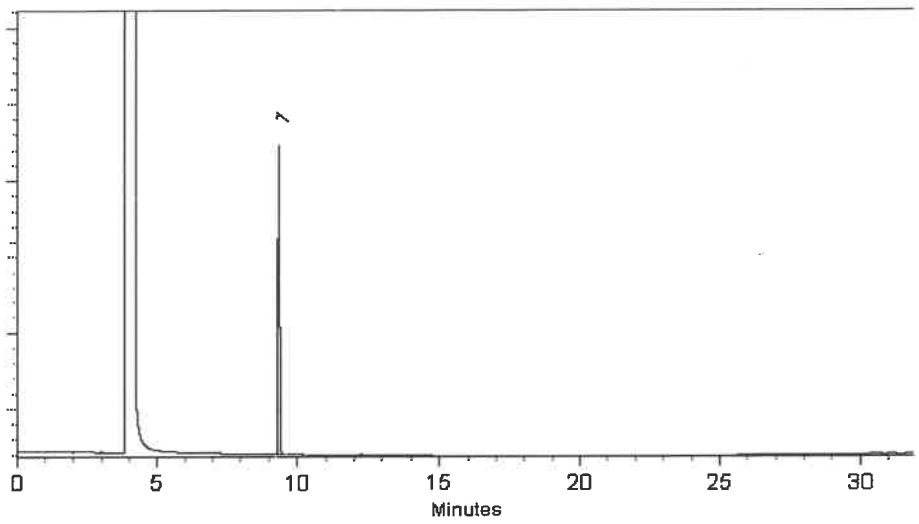
Inj. Temp:
200°C

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.
- 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:

- 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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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.)

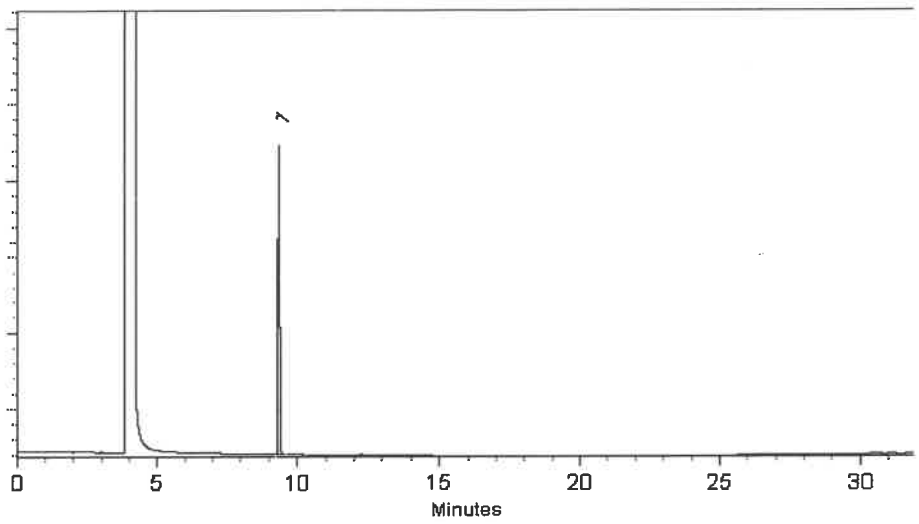
Inj. Temp:
200°C

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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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.)

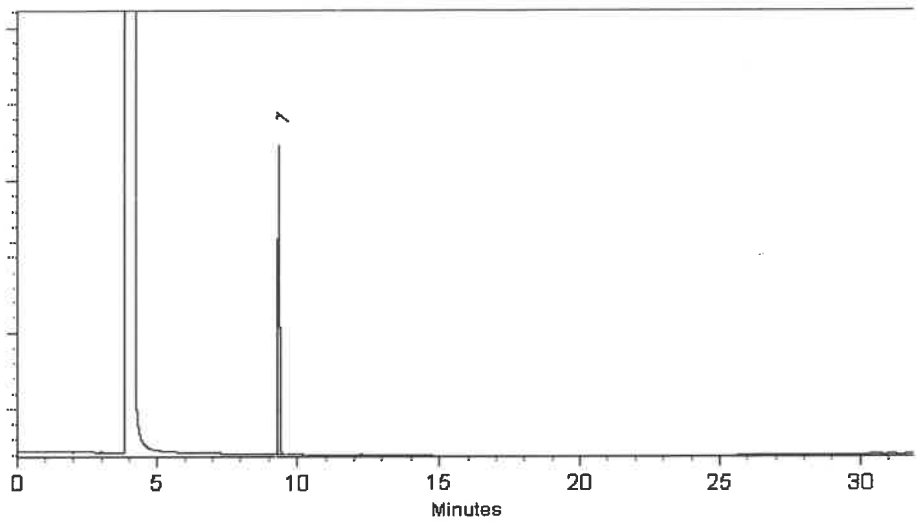
Inj. Temp:
200°C

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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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

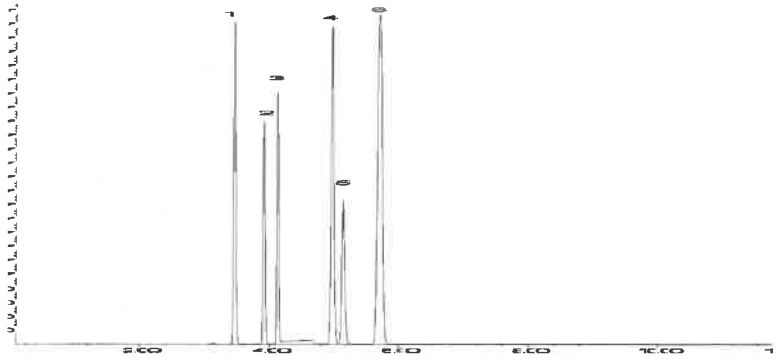
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

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chromatographic plus

V14727 to
V14756

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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.

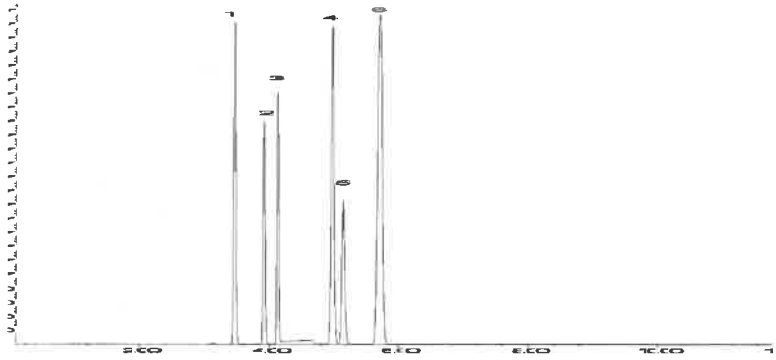
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

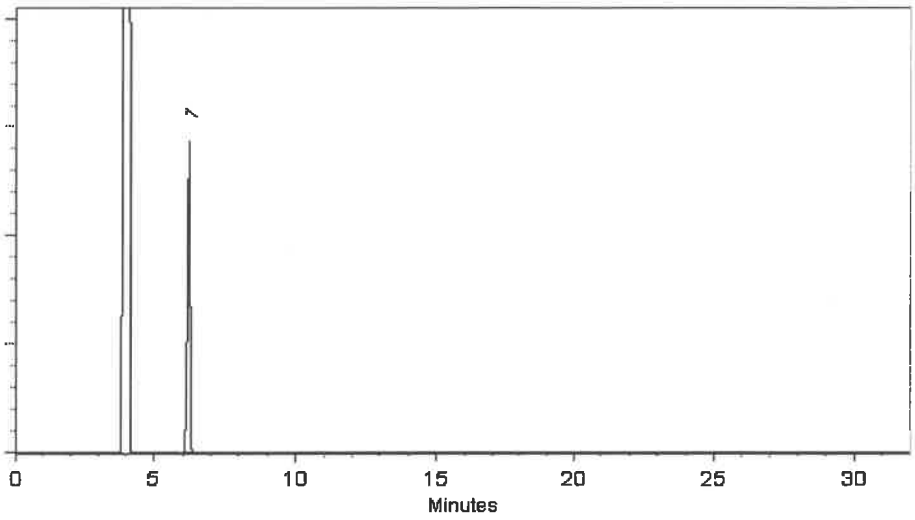
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

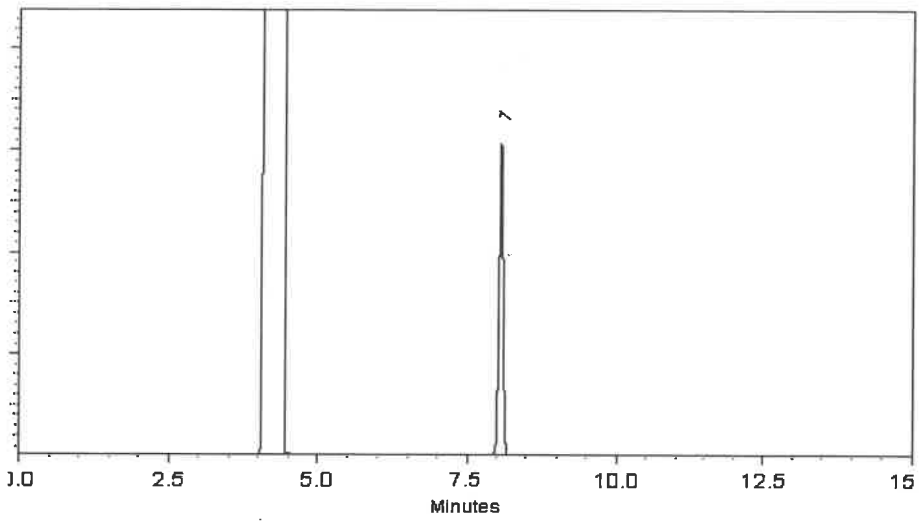
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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

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.)

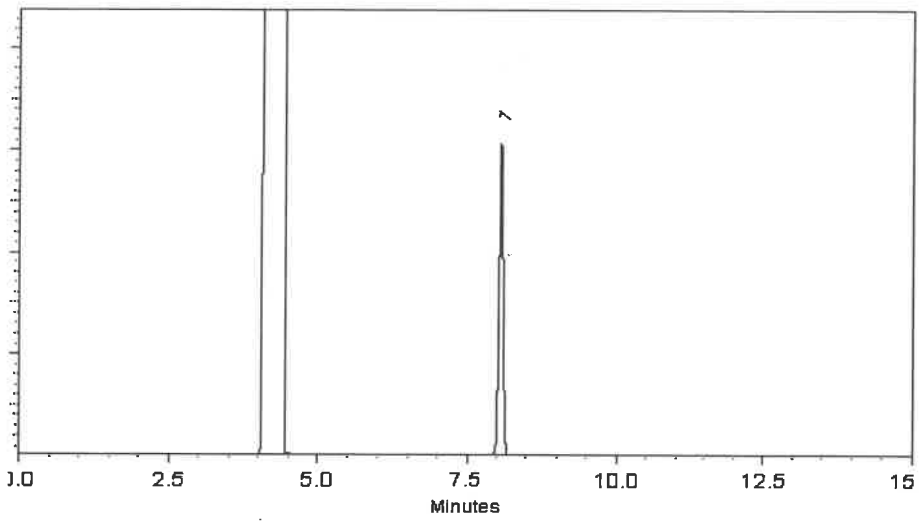
Inj. Temp:
200°C

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.
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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

5.0149

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

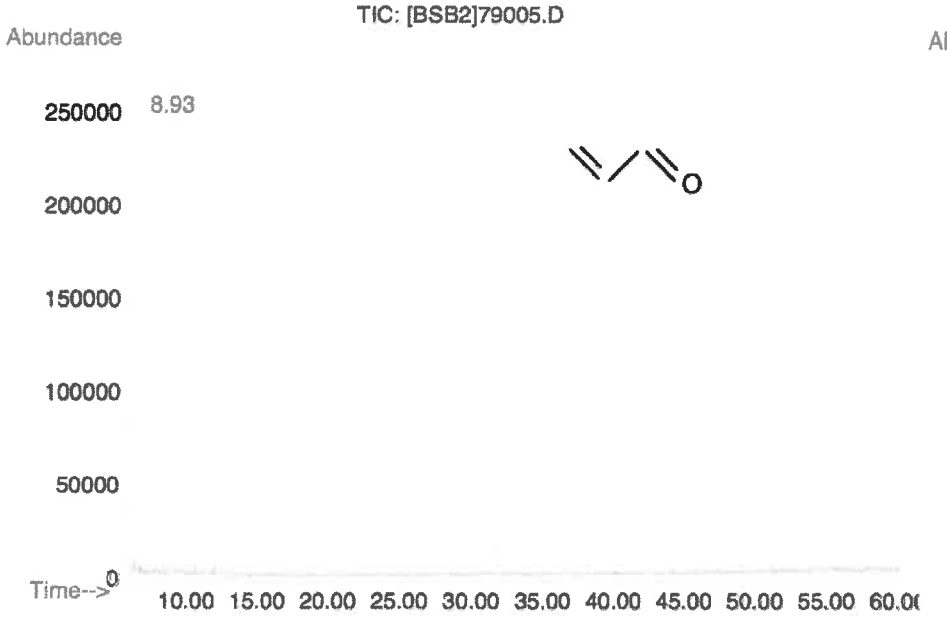
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

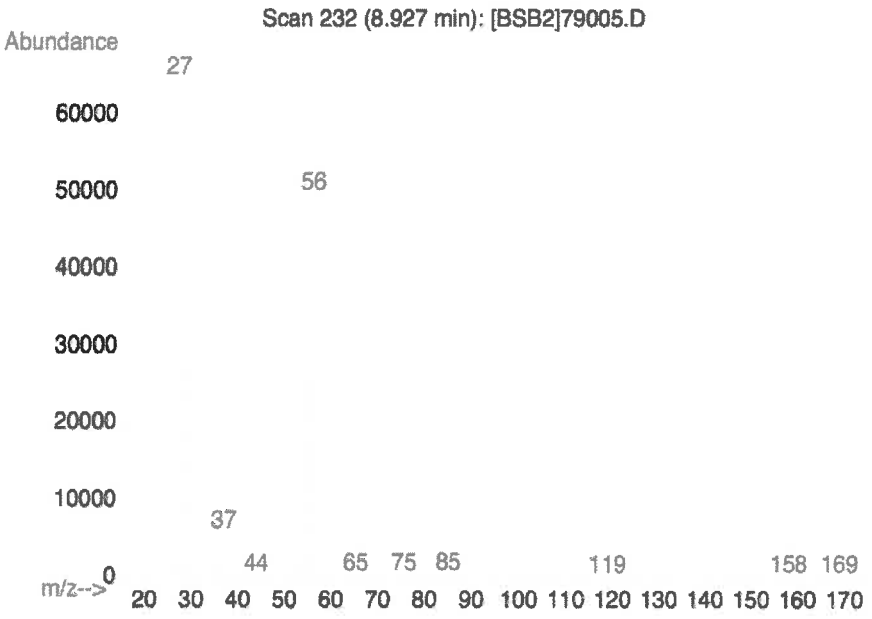
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

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

5.0129

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

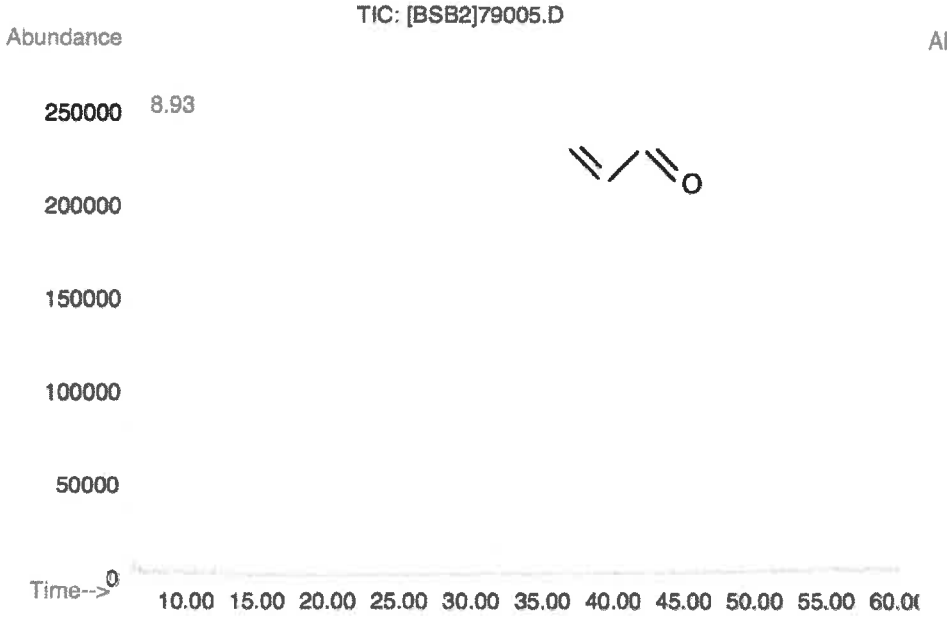
5E-05 Balance Uncertainty

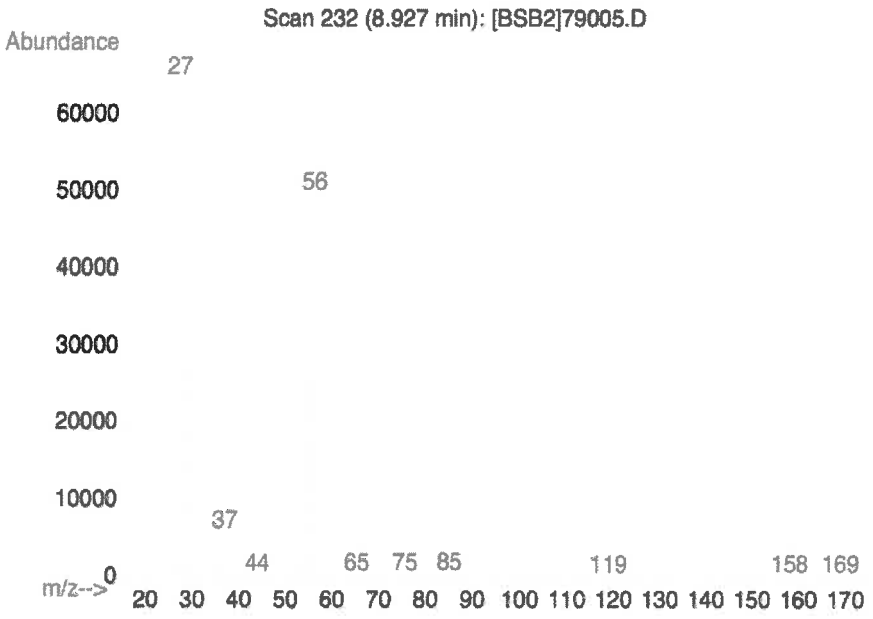
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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**

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

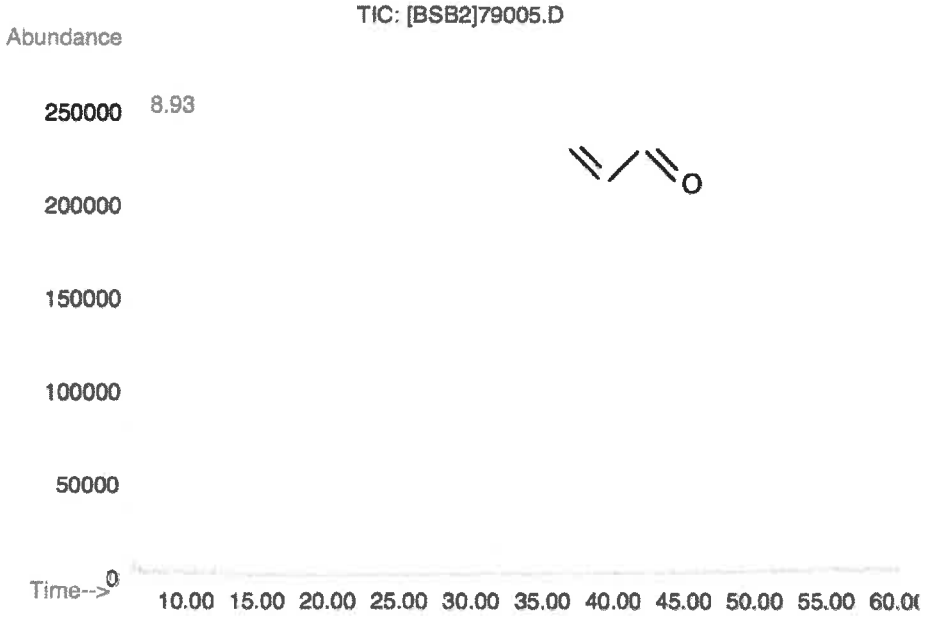
5E-05 Balance Uncertainty

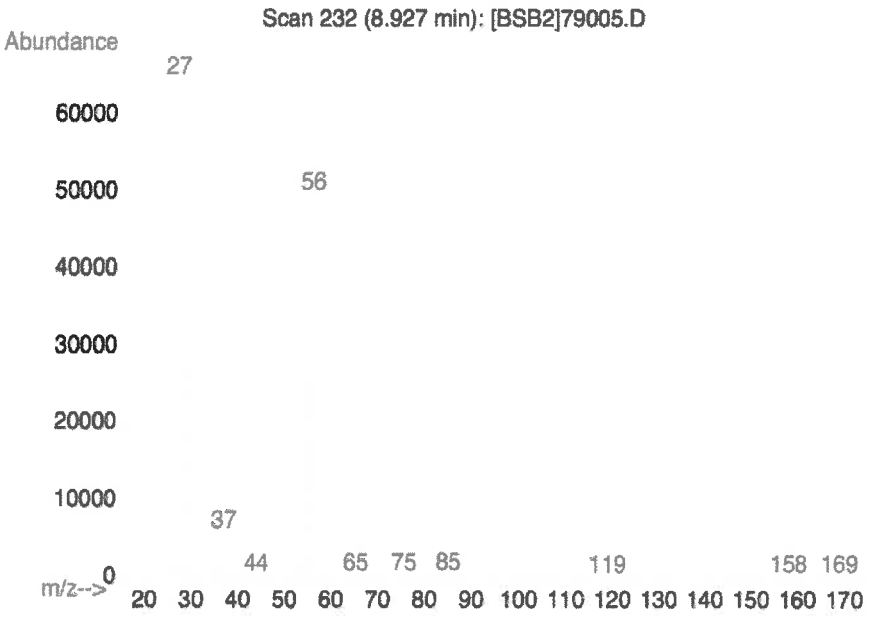
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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.
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  Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.019

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

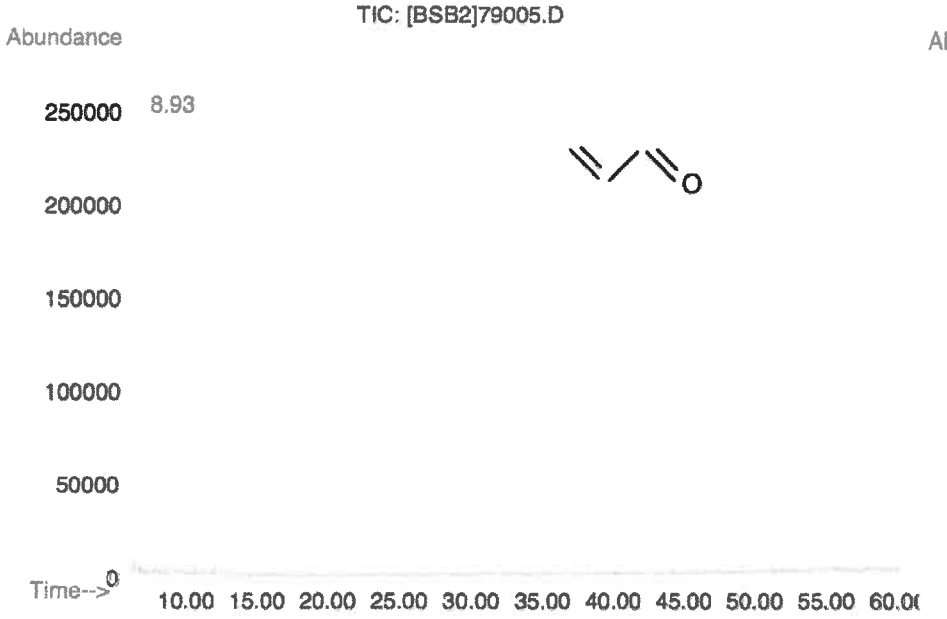
5E-05 Balance Uncertainty

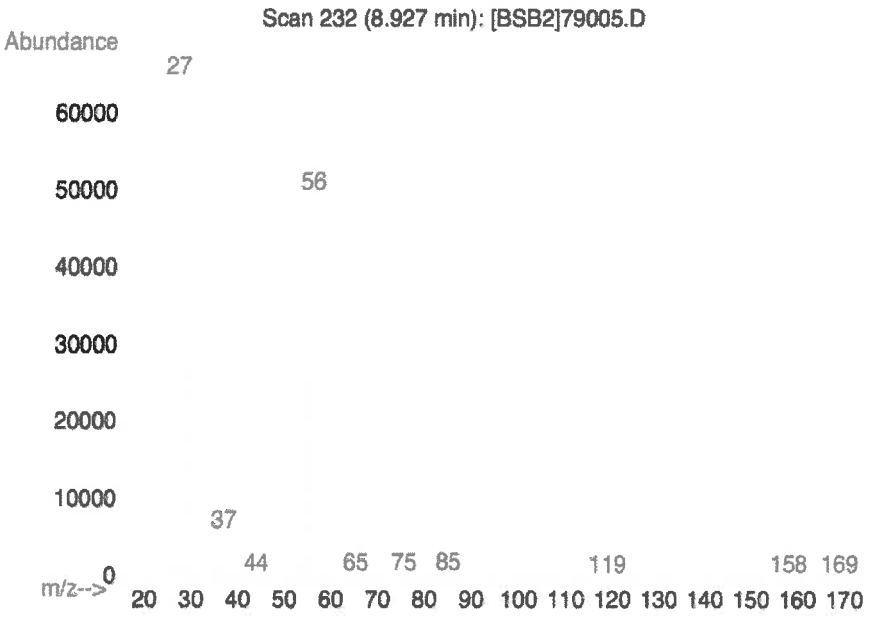
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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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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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  Rev 1.0, 2/25/2025

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q2254155

COC Number:

CLIENT INFORMATION			PROJECT INFORMATION		BILLING INFORMATION	
COMPANY: Tetra Tech			PROJECT NAME: NWIRP Bethpage		BILL TO: SEE CONTRACT	PO#
ADDRESS: 4433 Corporation Lane Suite 300			PROJECT #: 112G08005-WE13	LOCATION: VPB-182	ADDRESS:	
CITY: Virginia Beach	STATE: VA	ZIP: 23462	PROJECT MANAGER: Ernie Wu		CITY:	STATE: ZIP:
ATTENTION: Ernie Wu			E-MAIL: ernie.wu@tetratech.com		ATTENTION:	PHONE:
PHONE: 757-466-4901	FAX: 757-461-4148		PHONE: 757-466-4901	FAX: 757-461-4148		

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)	Method 522_PREC 1,4-						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A 1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-182-GW-810-812	AQ		X	6/5/25	10:22	3	2	1								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	6/5/25 1530	1. 6.5.25 1550
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	6-5-25 1922	3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 2 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2254 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 6/5/2025 4:40:00 PM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 6/5/2025 ~~12:00:00~~ AM 19:22
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2254-01	BP-VPB-182-GW-810-812	Water	06/05/2025	10:22					
					VOCMS Group1		8260-Low		2 Bus. Days

Relinguished By : [signature]
Date / Time : 6/6/25 0810

SAMPLES RECEIVED ON 6/5/25
PLACED IN SM-REF-2

Received By : [signature]
Date / Time : 06/06/25 8:10

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.594	65	3429	1.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.400%#		
35) Dibromofluoromethane	8.171	113	2626	1.126	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.260%#		
50) Toluene-d8	10.570	98	10645	1.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.300%#		
62) 4-Bromofluorobenzene	12.853	95	4252	1.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	1985	0.936	ug/l	72
3) Chloromethane	2.400	50	3241	1.184	ug/l	98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l #	88
5) Bromomethane	3.006	94	1886	1.193	ug/l	93
6) Chloroethane	3.159	64	1957	1.073	ug/l #	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l	97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.394	101	1332	0.574	ug/l #	55
10) Methyl Iodide	4.624	142	3165	1.053	ug/l #	67
11) Tert butyl alcohol	5.547	59	4268	5.524	ug/l #	77
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l	85
13) Acrolein	4.194	56	1467	5.998	ug/l	85
14) Allyl chloride	5.041	41	4189	1.067	ug/l #	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l	96
16) Acetone	4.459	43	9069	6.006	ug/l	95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l	97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l #	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l	92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l	87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l #	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l	95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l #	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l	93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l	95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l #	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l	100
30) Chloroform	7.971	83	5255	1.105	ug/l	97
31) Cyclohexane	8.247	56	9143	1.980	ug/l #	28
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l #	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l	96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l #	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l #	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l #	90
40) Benzene	8.612	78	12498	1.100	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95
46) Dibromomethane	9.712	93	1835	0.999	ug/l		94
47) Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48) Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49) 1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52) Toluene	10.635	92	7227	1.041	ug/l		95
53) t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55) 1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56) Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57) 1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59) 2-Hexanone	11.235	43	5016	1.822	ug/l	#	35
60) Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61) 1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64) Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65) Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67) Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68) m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69) o-Xylene	12.400	106	4970	1.025	ug/l		93
70) Styrene	12.417	104	8189	0.987	ug/l		98
71) Bromoform	12.582	173	1508	0.825	ug/l	#	78
73) Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76) 1,2,3-Trichloropropane	13.000	75	5925	1.484	ug/l		65
77) Bromobenzene	12.982	156	2913	1.042	ug/l		96
78) n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79) 2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.741	75	1392	0.805	ug/l		92
82) 4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83) tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85) sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86) p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88) 1,4-Dichlorobenzene	13.735	146	5903	1.052	ug/l		93
89) n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90) Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93) 1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94) Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95) Naphthalene	15.635	128	12789	1.018	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

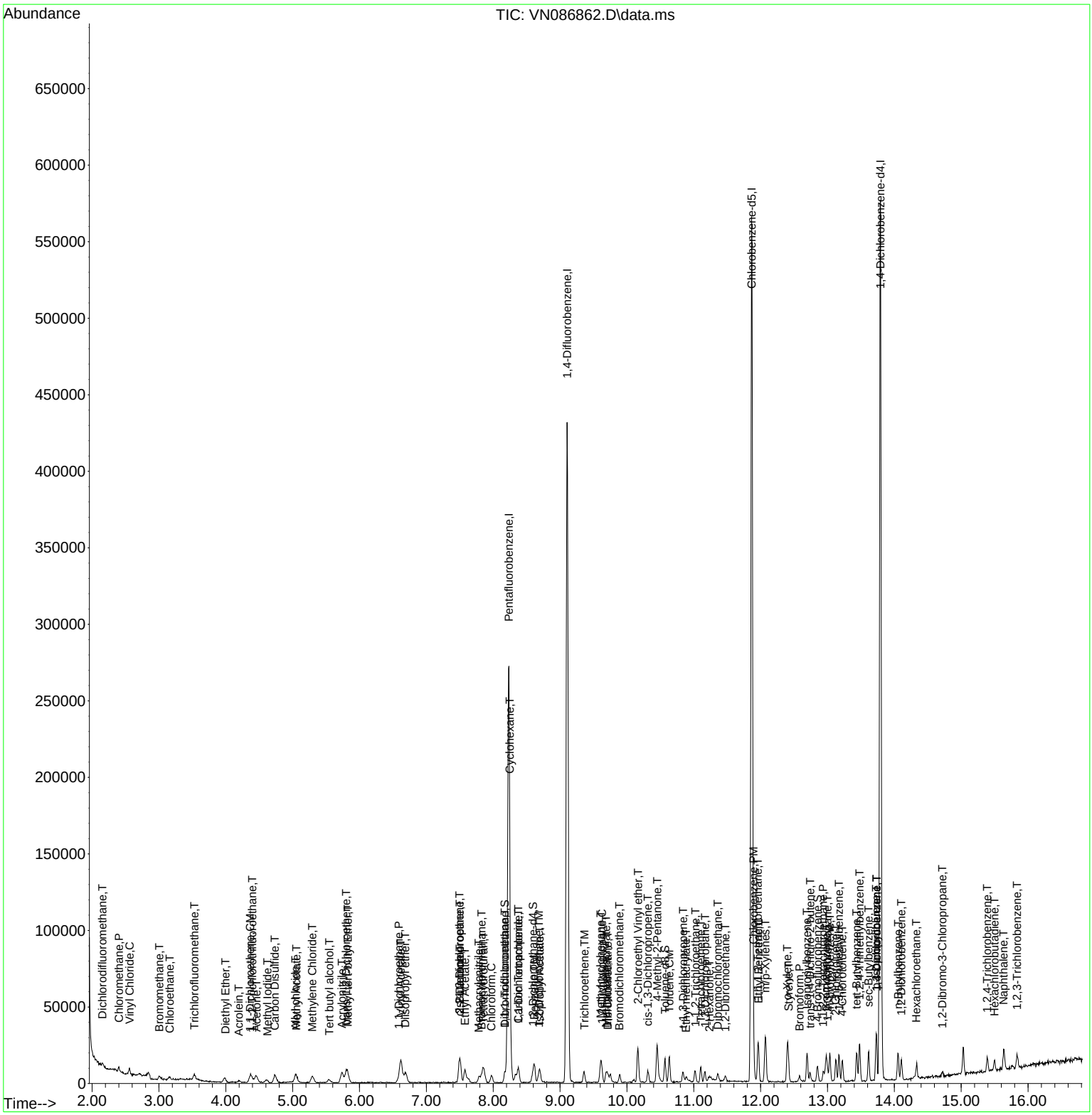
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

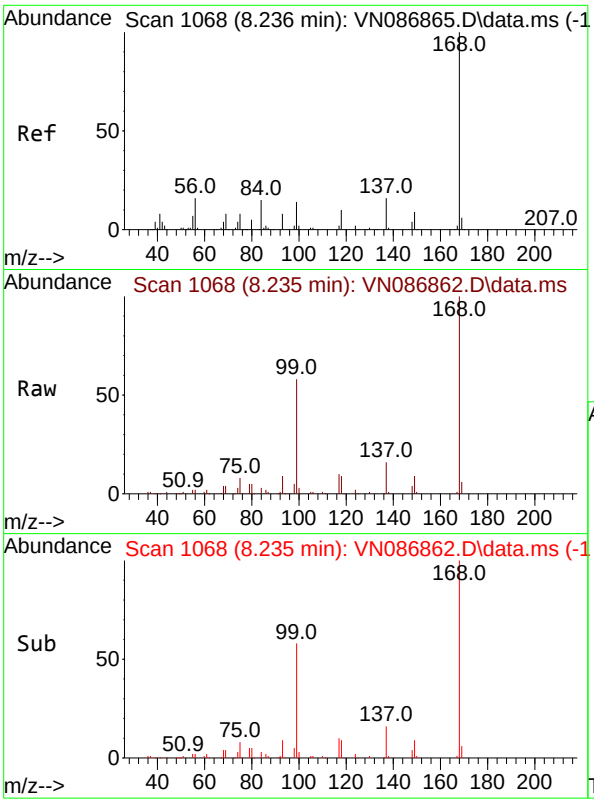
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



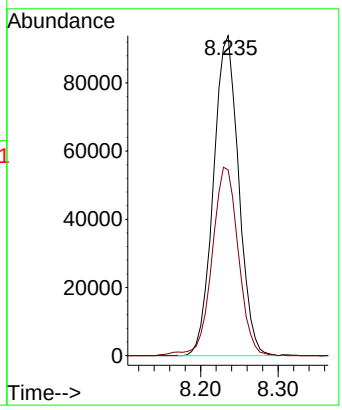


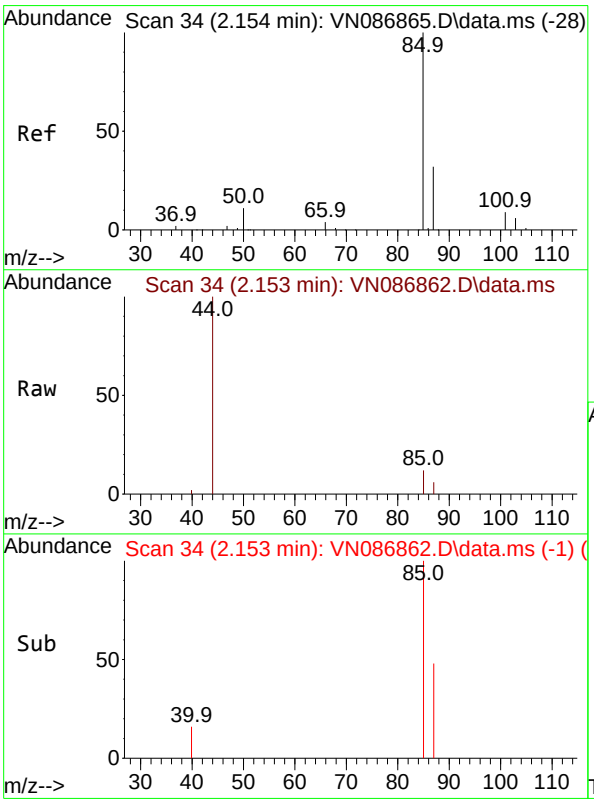
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 212682

Ion	Ratio	Lower	Upper
168	100		
99	58.1	49.1	73.7

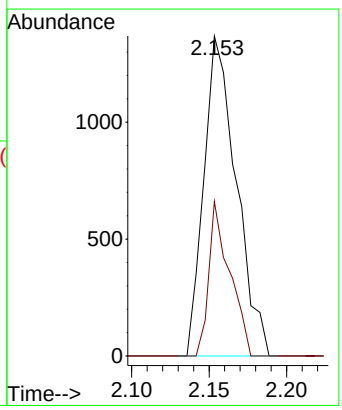


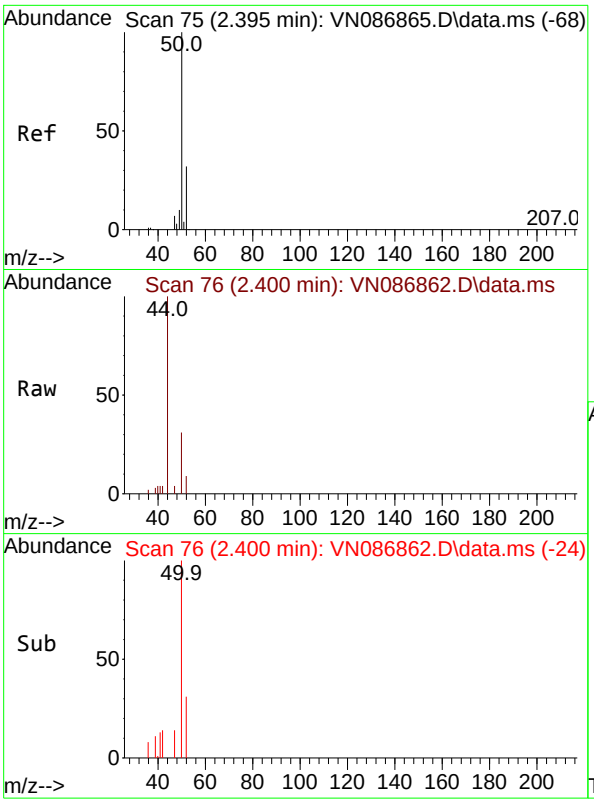


#2
Dichlorodifluoromethane
Concen: 0.936 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 85 Resp: 1985

Ion	Ratio	Lower	Upper
85	100		
87	48.3	16.2	48.6



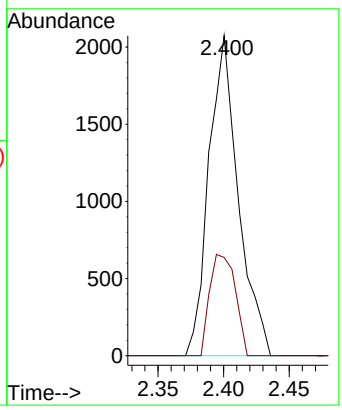


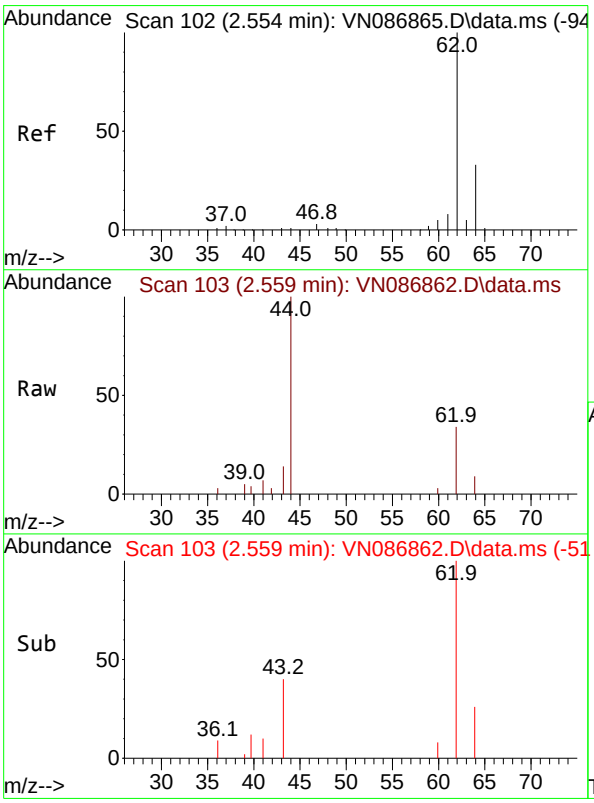
#3
Chloromethane
Concen: 1.184 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3241

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5

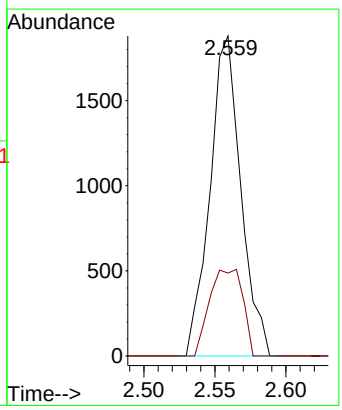


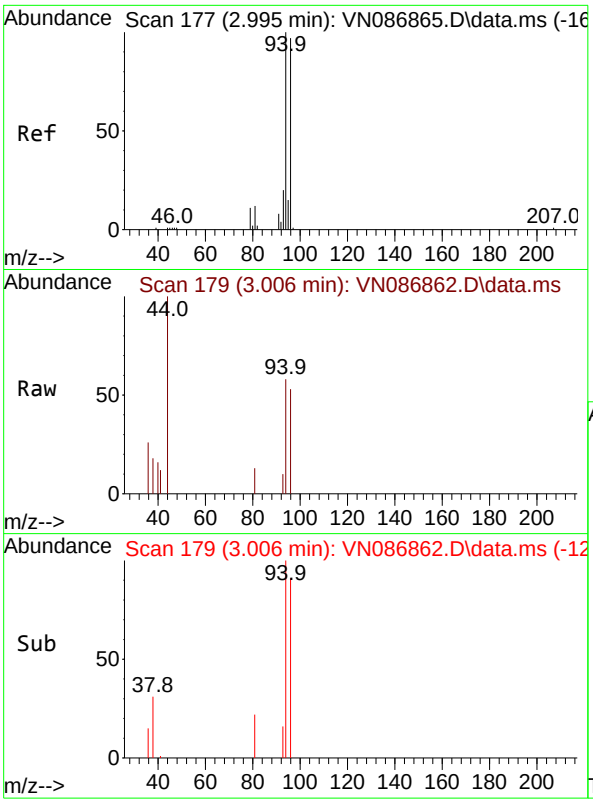


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 2848

Ion	Ratio	Lower	Upper
62	100		
64	25.9	26.0	39.0#



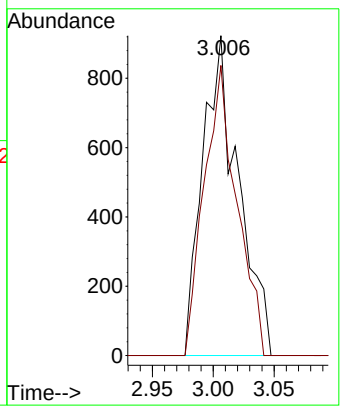


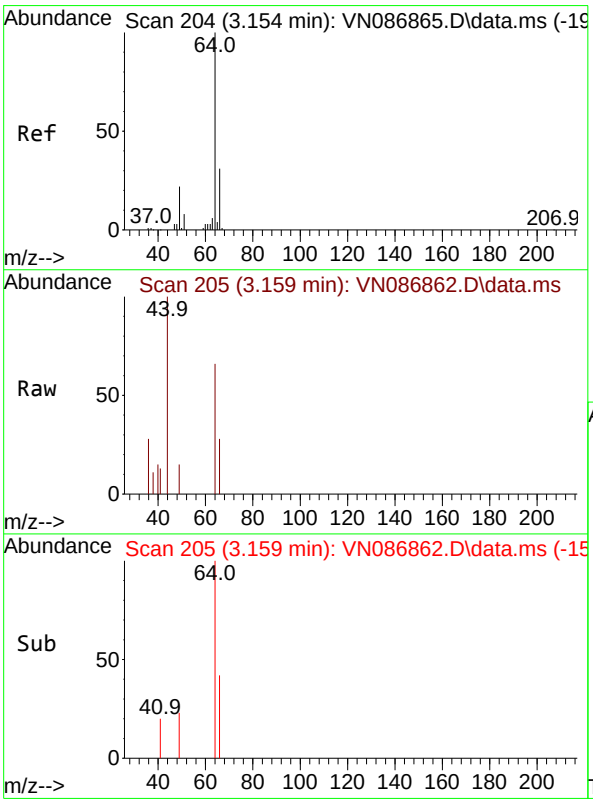
#5
Bromomethane
Concen: 1.193 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1886

Ion	Ratio	Lower	Upper
94	100		
96	90.7	77.9	116.9

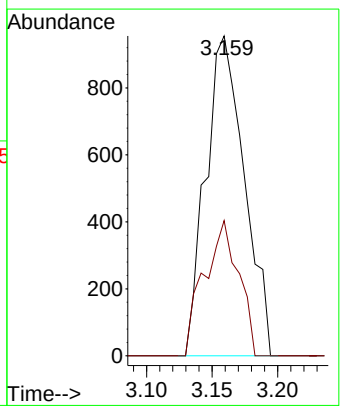


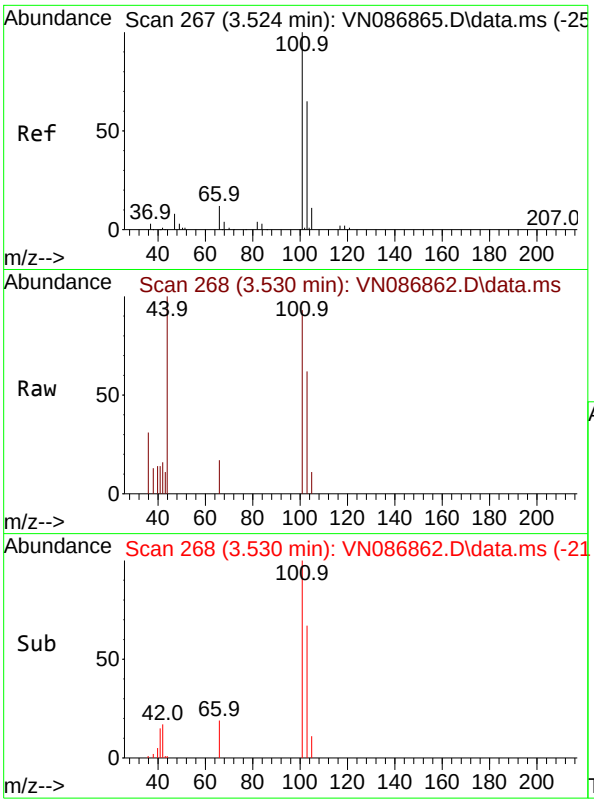


#6
Chloroethane
Concen: 1.073 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 64 Resp: 1957

Ion	Ratio	Lower	Upper
64	100		
66	42.3	24.6	36.8#



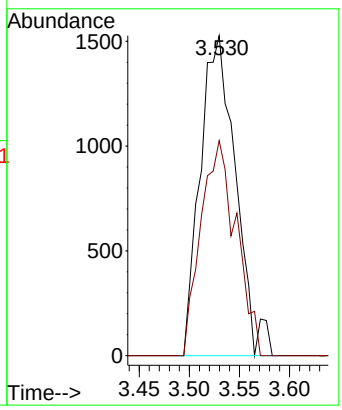


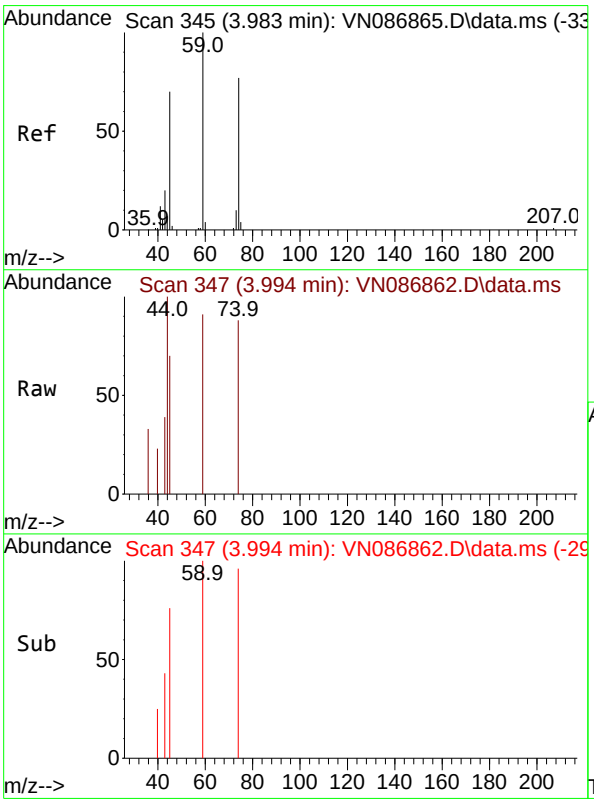
#7
Trichlorofluoromethane
Concen: 1.017 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3752

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.2

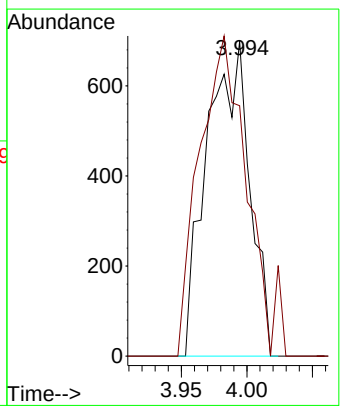


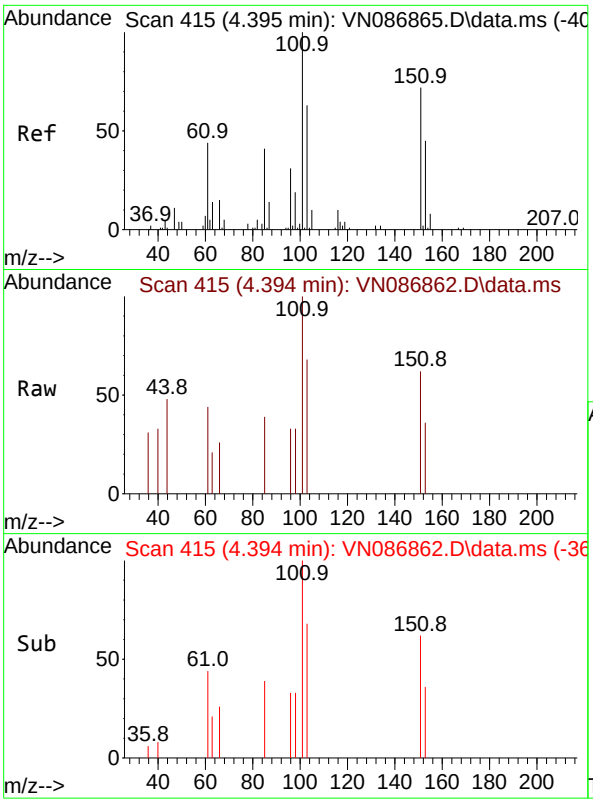


#8
Diethyl Ether
Concen: 0.984 ug/l
RT: 3.994 min Scan# 347
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 74 Resp: 1583

Ion	Ratio	Lower	Upper
74	100		
45	113.8	45.5	136.5



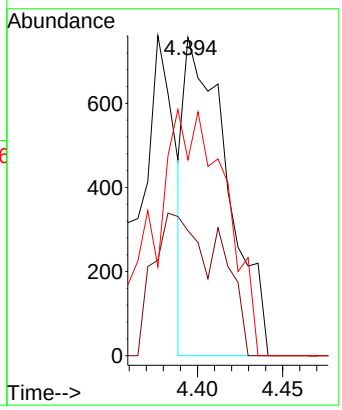


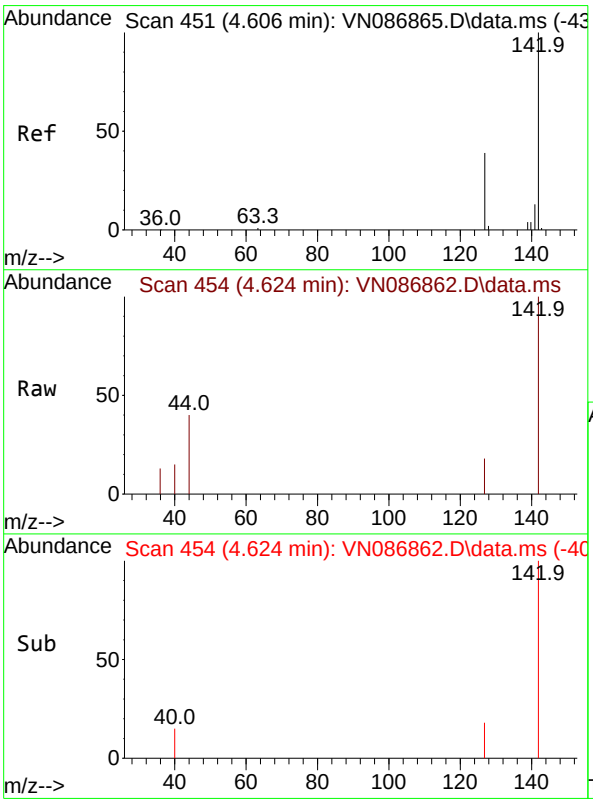
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.574 ug/l
RT: 4.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1332

Ion	Ratio	Lower	Upper
101	100		
85	49.2	33.8	50.8
151	127.6	58.7	88.1#

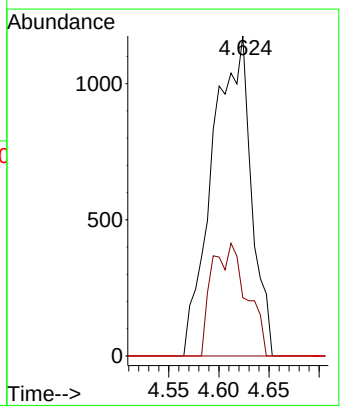


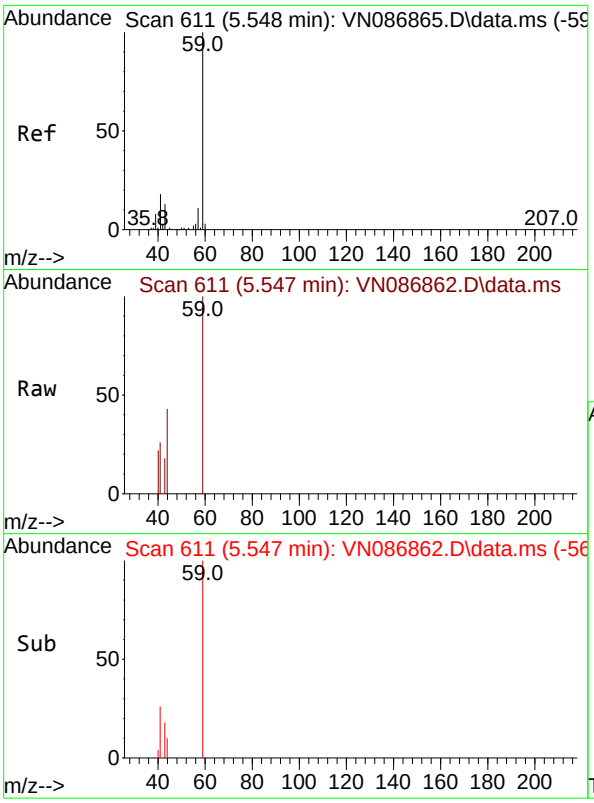


#10
Methyl Iodide
Concen: 1.053 ug/l
RT: 4.624 min Scan# 454
Delta R.T. 0.017 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:142 Resp: 3165

Ion	Ratio	Lower	Upper
142	100		
127	18.2	30.9	46.3#
141	0.0	10.4	15.6#



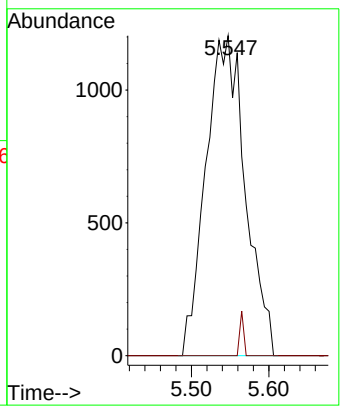


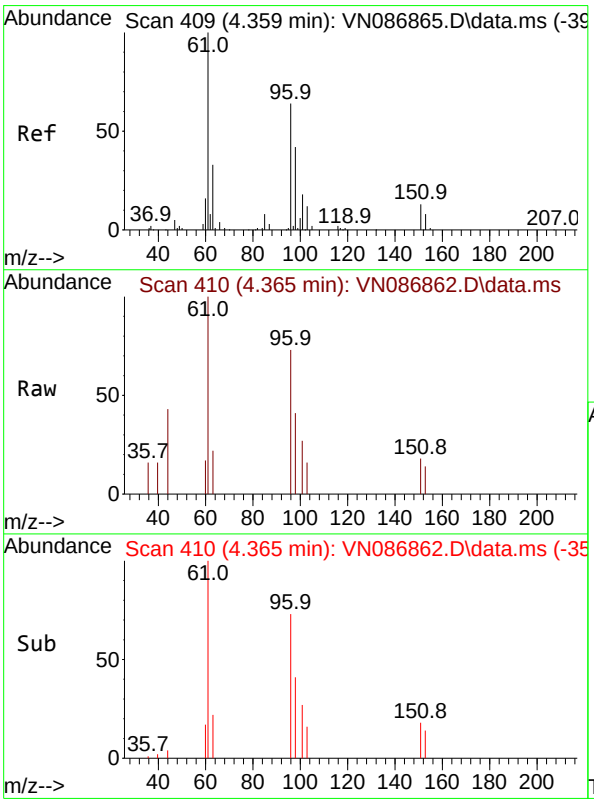
#11
Tert butyl alcohol
Concen: 5.524 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 4268

Ion	Ratio	Lower	Upper
59	100		
57	1.4	8.1	12.1#

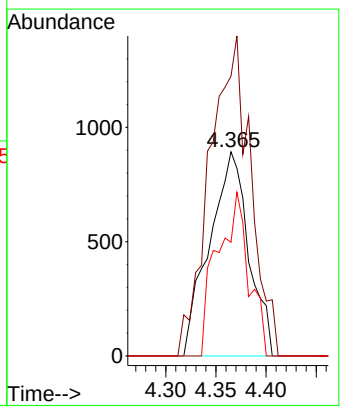


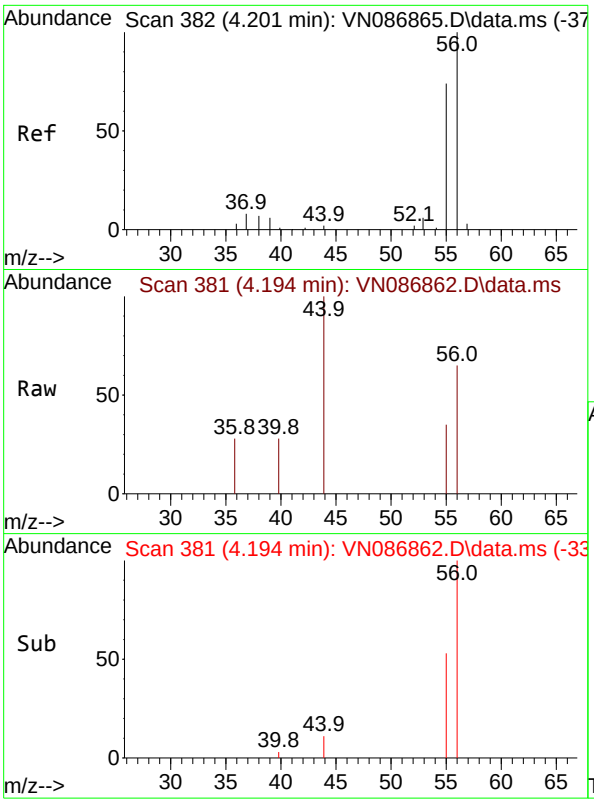


#12
1,1-Dichloroethene
Concen: 1.029 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 2436

Ion	Ratio	Lower	Upper
96	100		
61	137.1	125.8	188.6
98	55.8	52.5	78.7



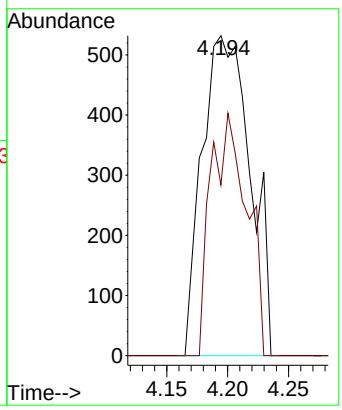


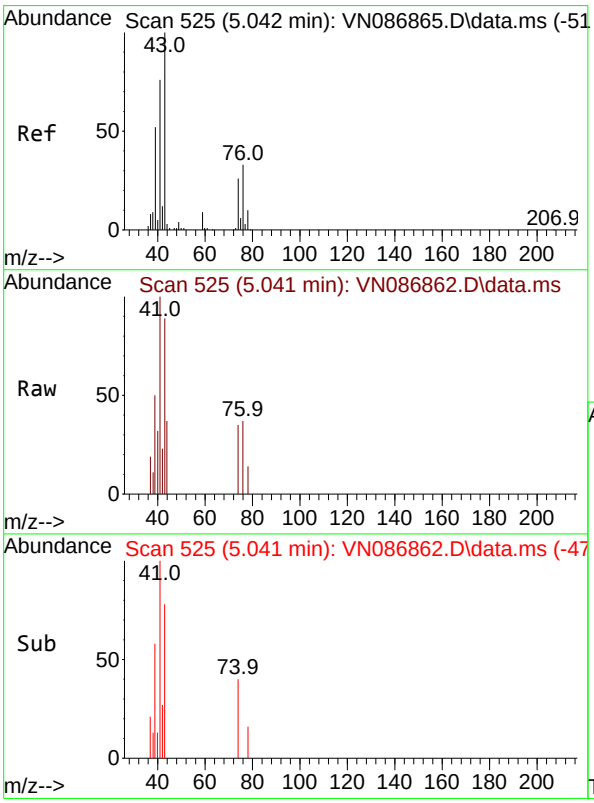
#13
Acrolein
Concen: 5.998 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1467

Ion	Ratio	Lower	Upper
56	100		
55	56.9	55.6	83.4

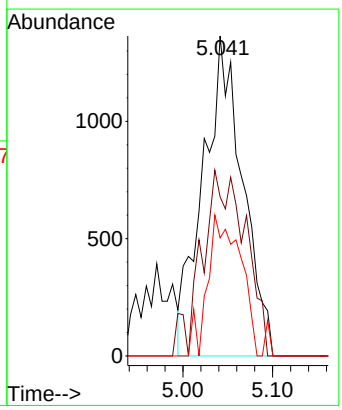


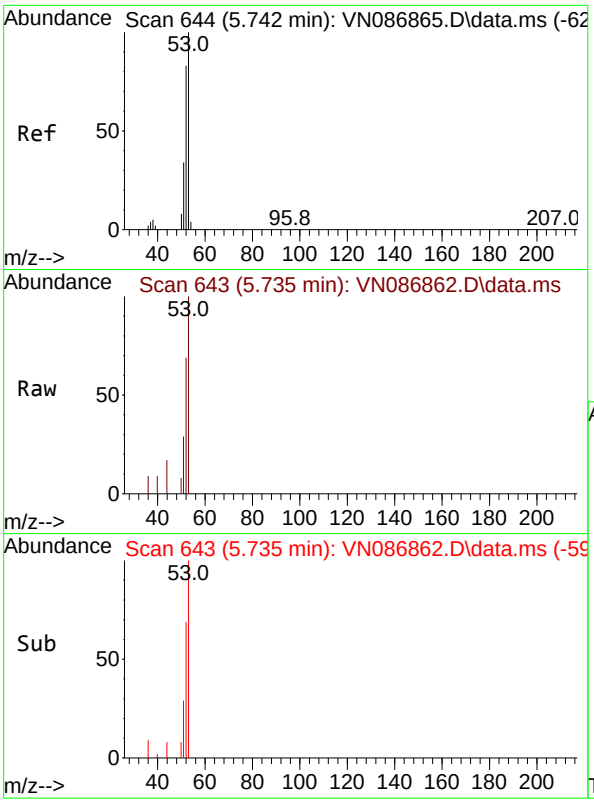


#14
Allyl chloride
Concen: 1.067 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 4189

Ion	Ratio	Lower	Upper
41	100		
39	35.3	51.3	76.9#
76	36.4	31.4	47.0



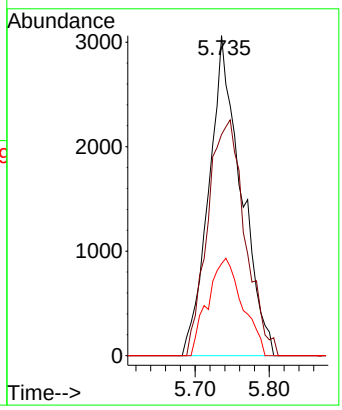


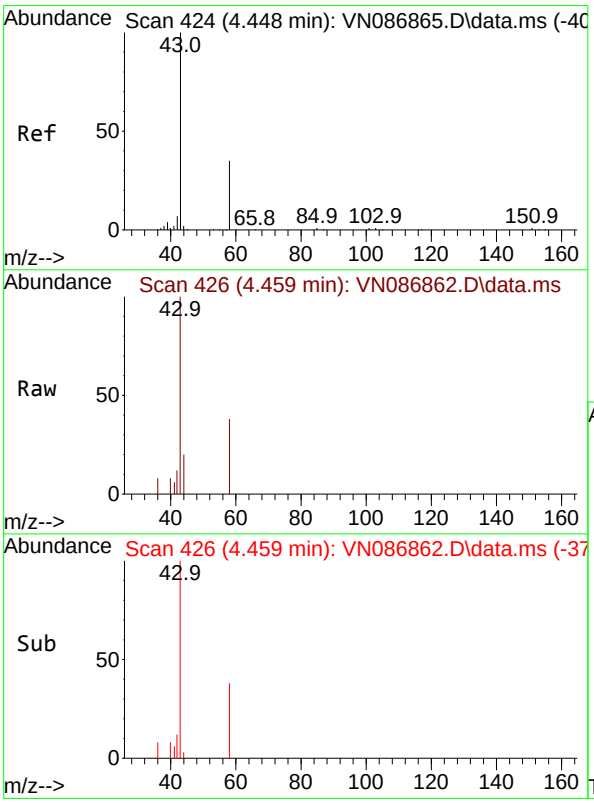
#15
Acrylonitrile
Concen: 5.106 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 9222

Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.0	97.6
51	32.7	27.2	40.8

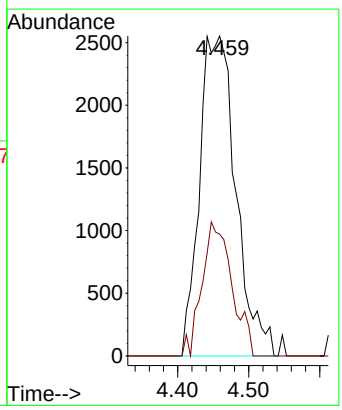


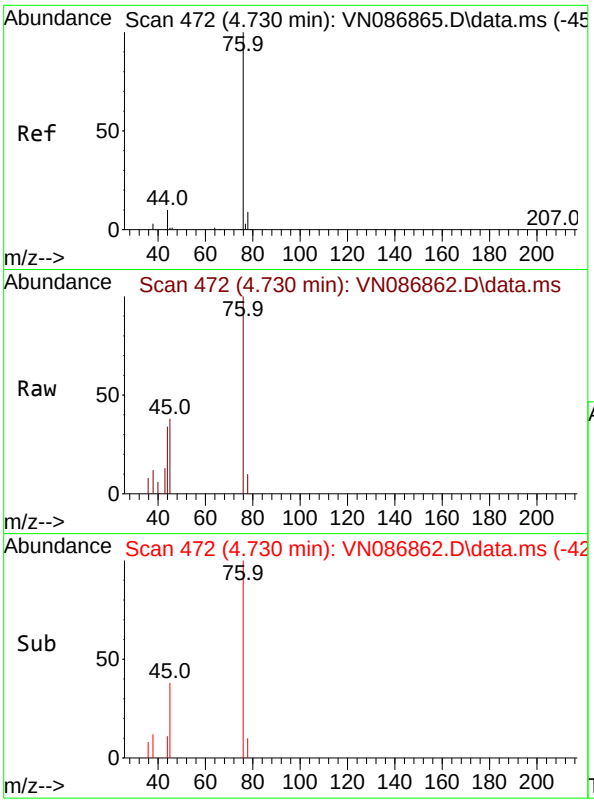


#16
Acetone
Concen: 6.006 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 9069

Ion	Ratio	Lower	Upper
43	100		
58	38.0	28.0	42.0



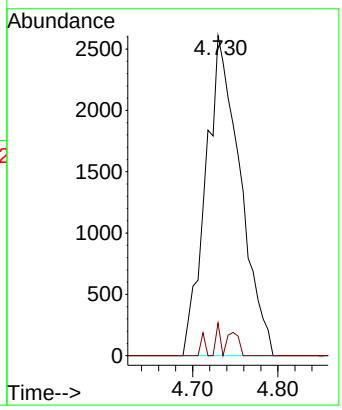


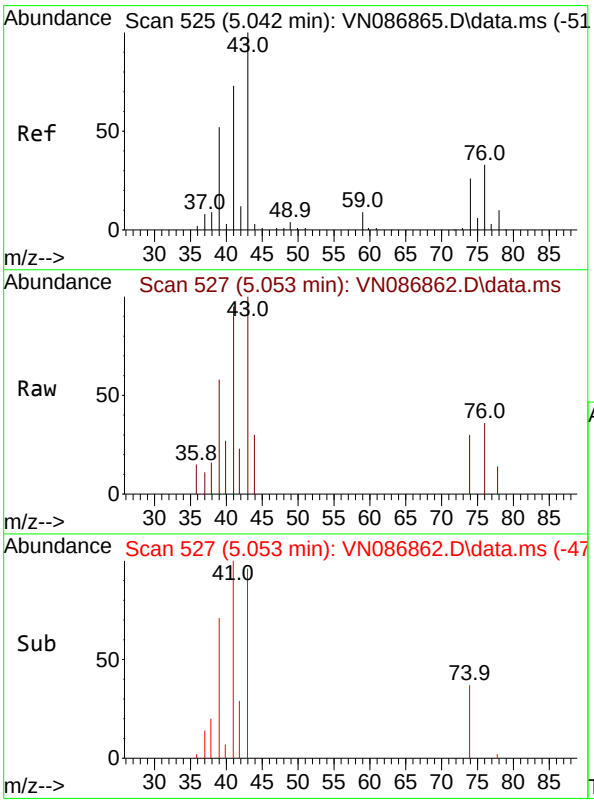
#17
Carbon Disulfide
Concen: 1.116 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7306

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

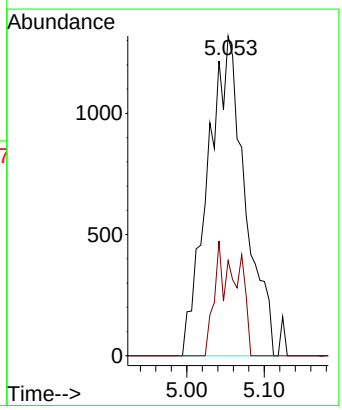


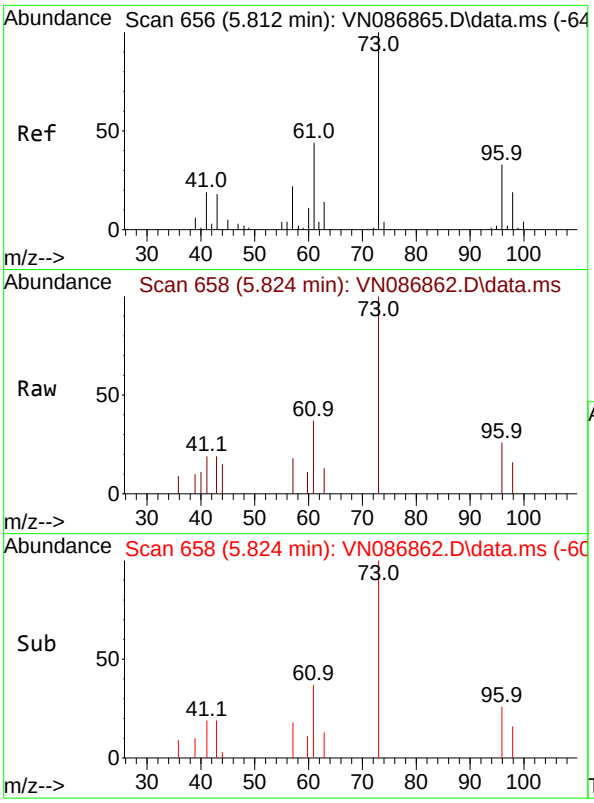


#18
Methyl Acetate
Concen: 1.000 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4402

Ion	Ratio	Lower	Upper
43	100		
74	8.7	20.7	31.1#



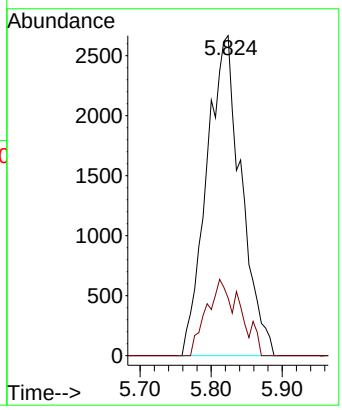


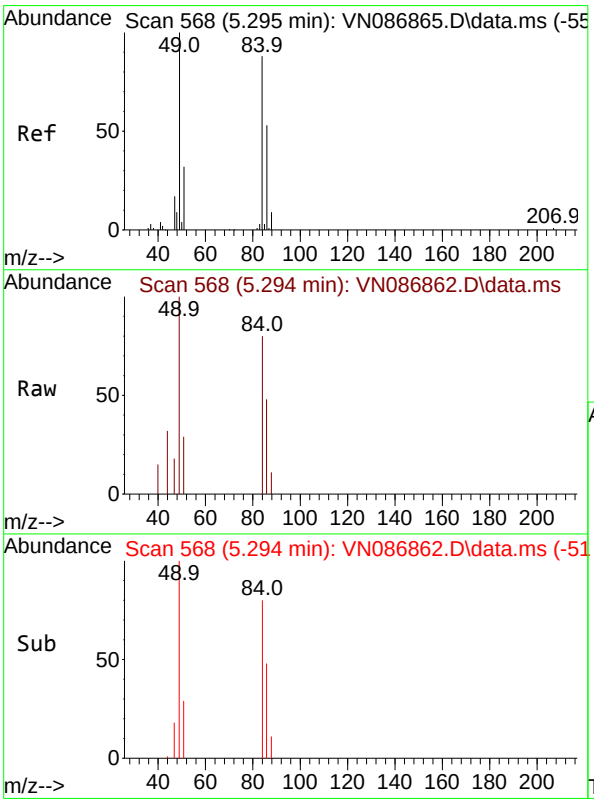
#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l
RT: 5.824 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9019

Ion	Ratio	Lower	Upper
73	100		
57	18.0	17.4	26.2

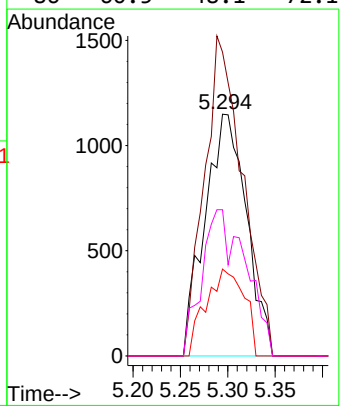


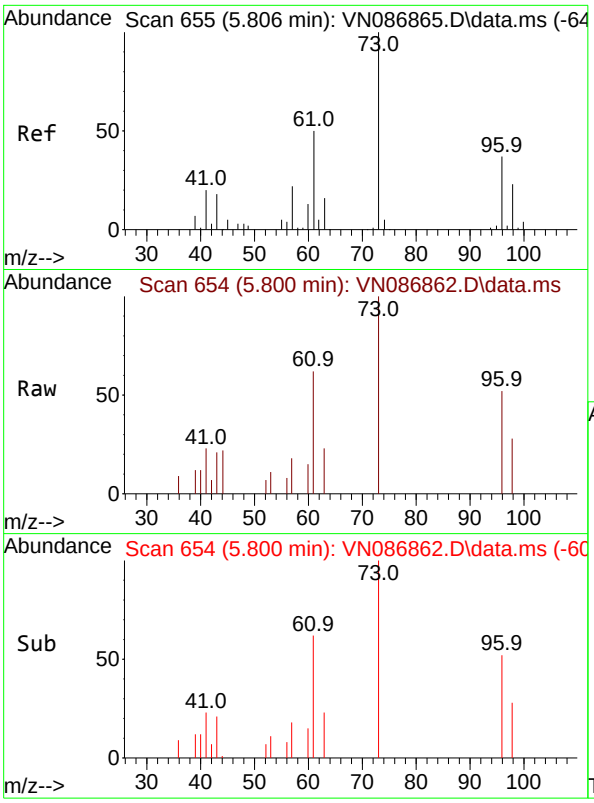


#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 84 Resp: 3496

Ion	Ratio	Lower	Upper
84	100		
49	125.7	90.5	135.7
51	35.9	28.5	42.7
86	60.5	48.1	72.1



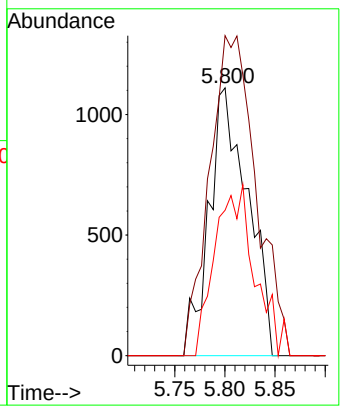


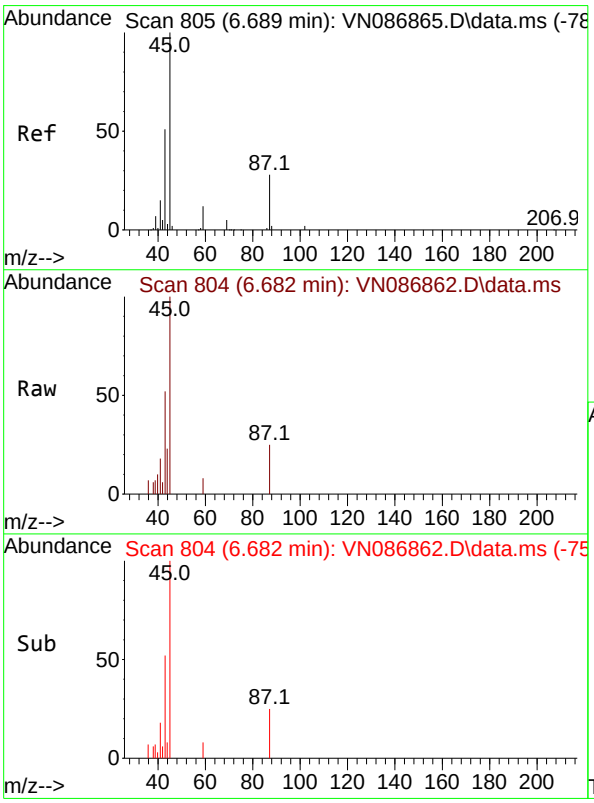
#21
trans-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 5.800 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2979

Ion	Ratio	Lower	Upper
96	100		
61	119.4	109.2	163.8
98	54.3	49.8	74.8

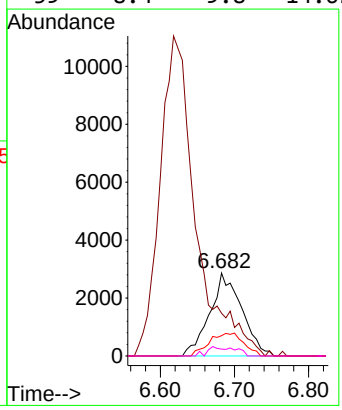


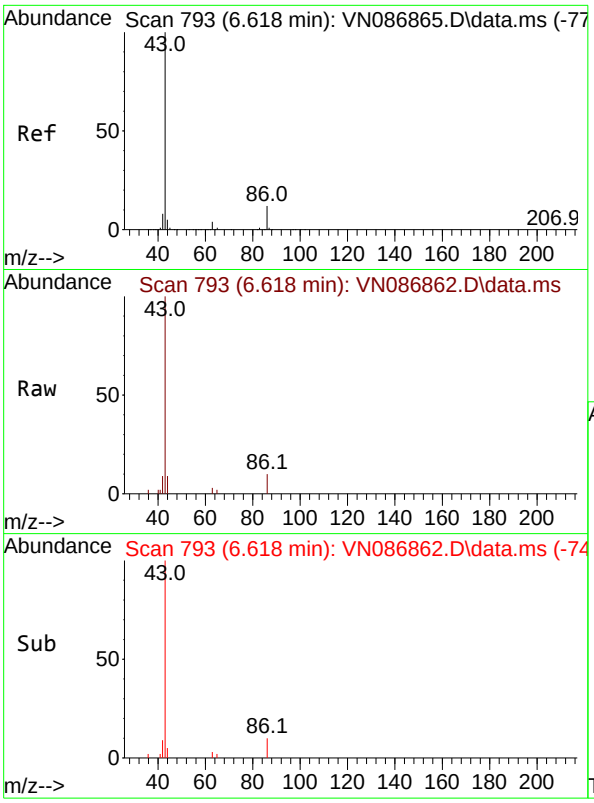


#22
Diisopropyl ether
Concen: 1.037 ug/l
RT: 6.682 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 45 Resp: 8584

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	24.5	22.4	33.6
59	8.4	9.8	14.6#



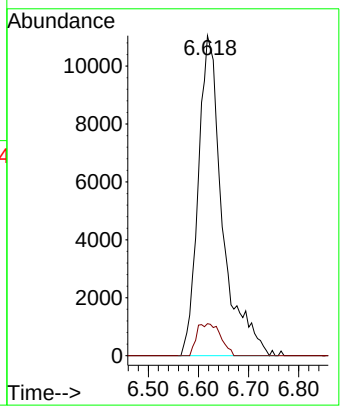


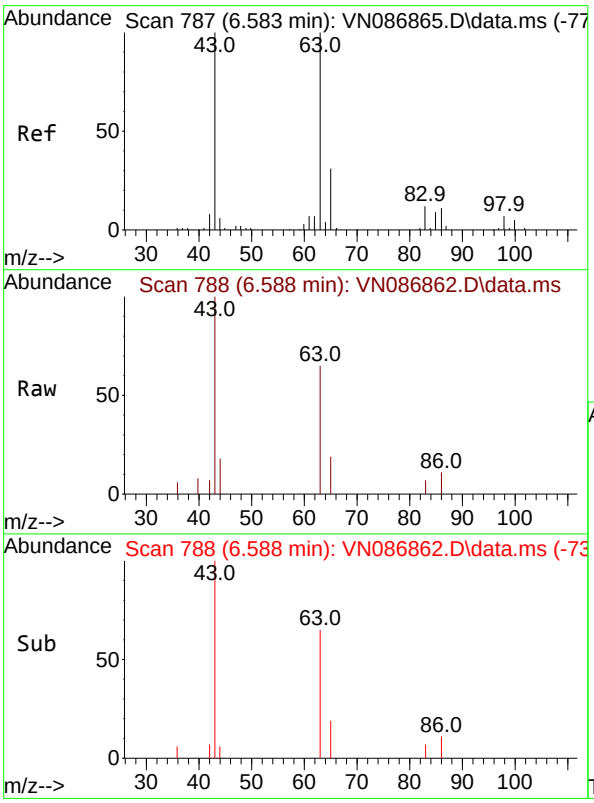
#23
Vinyl Acetate
Concen: 5.303 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37075

Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.5	14.3

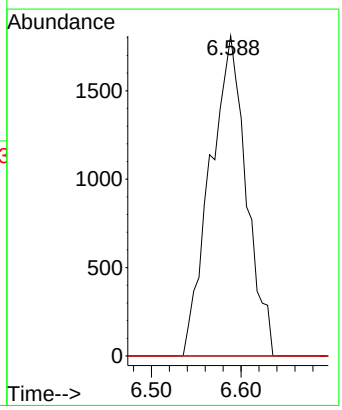


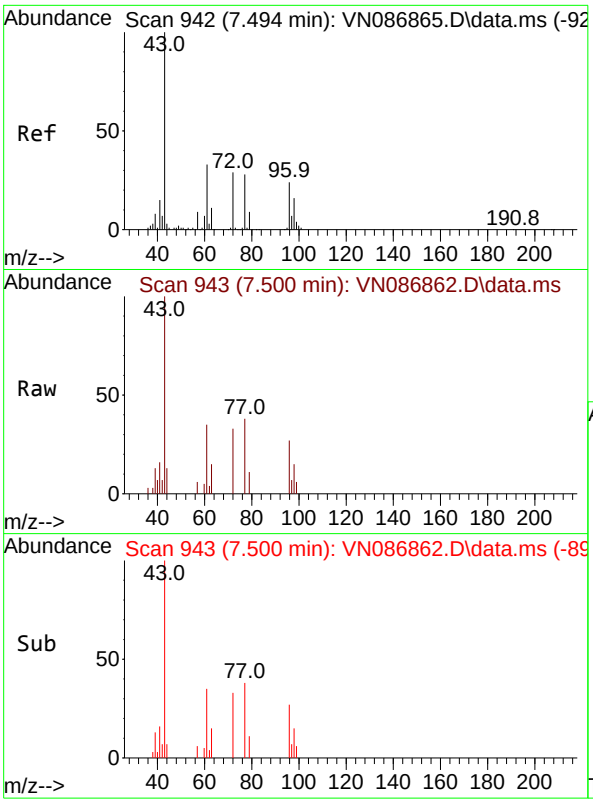


#24
1,1-Dichloroethane
Concen: 1.065 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 5071

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.6	7.8#



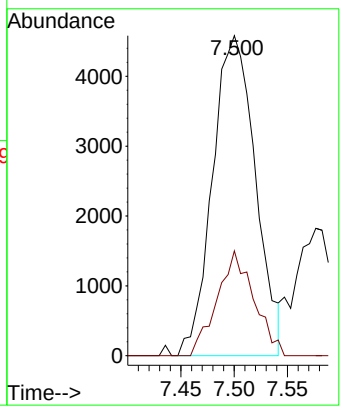


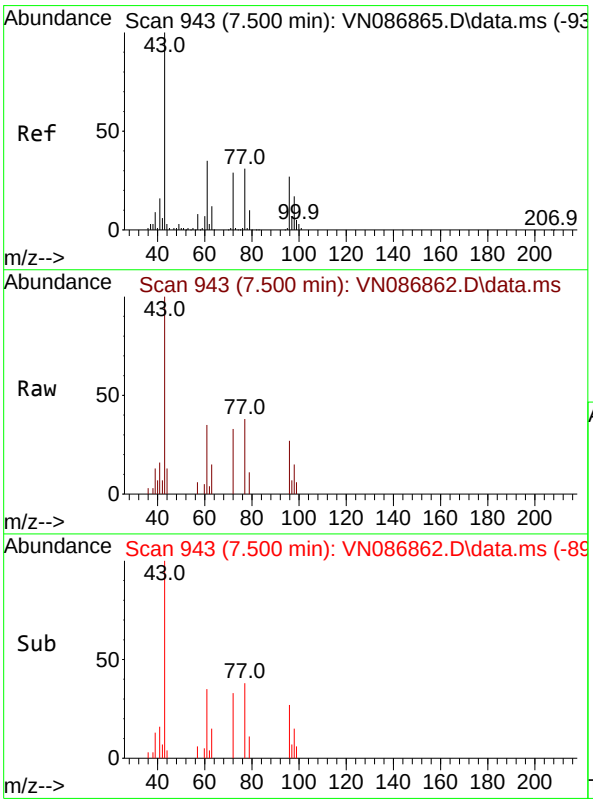
#25
2-Butanone
Concen: 5.231 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12841

Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.0	34.6

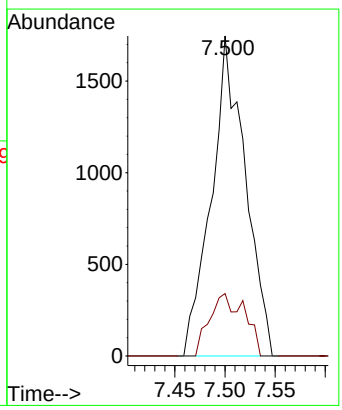


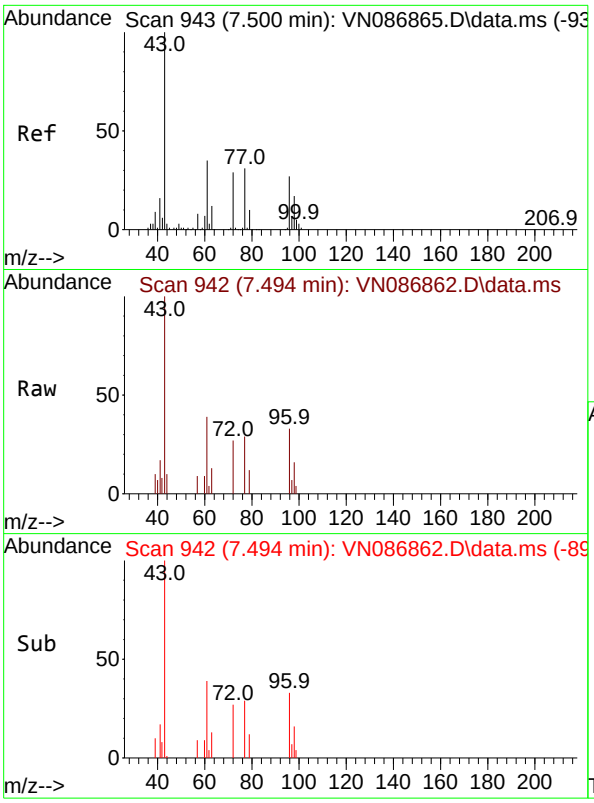


#26
2,2-Dichloropropane
Concen: 1.110 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 77 Resp: 4112

Ion	Ratio	Lower	Upper
77	100		
97	20.1	11.6	34.7



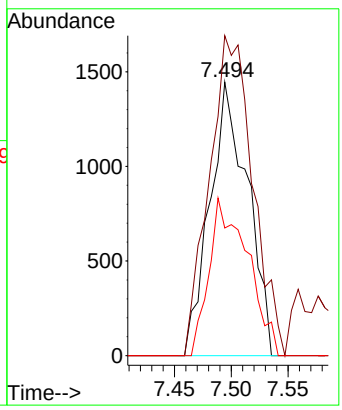


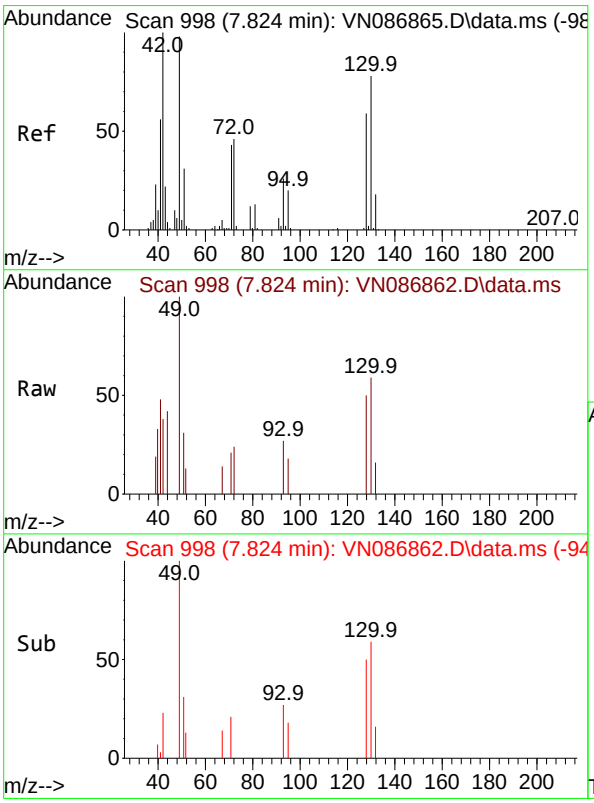
#27
cis-1,2-Dichloroethene
Concen: 1.062 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3345

Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	58.7	0.0	128.2

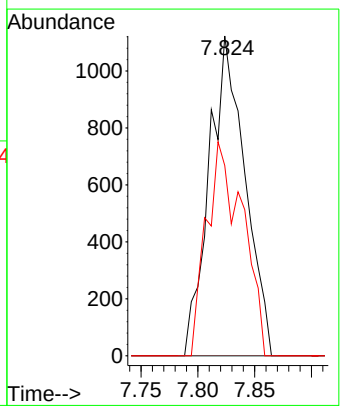


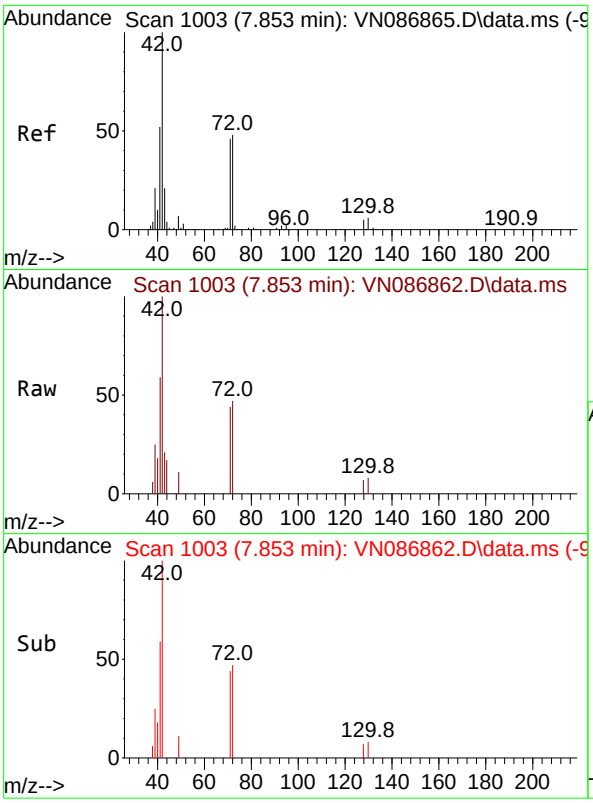


#28
Bromochloromethane
Concen: 1.052 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 49 Resp: 2464

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	67.5	62.2	93.2



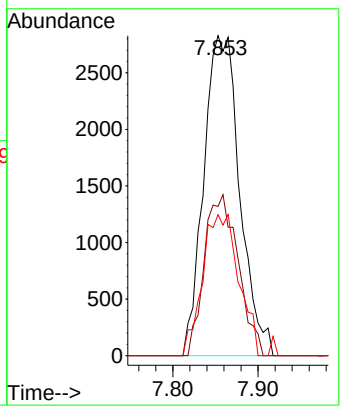


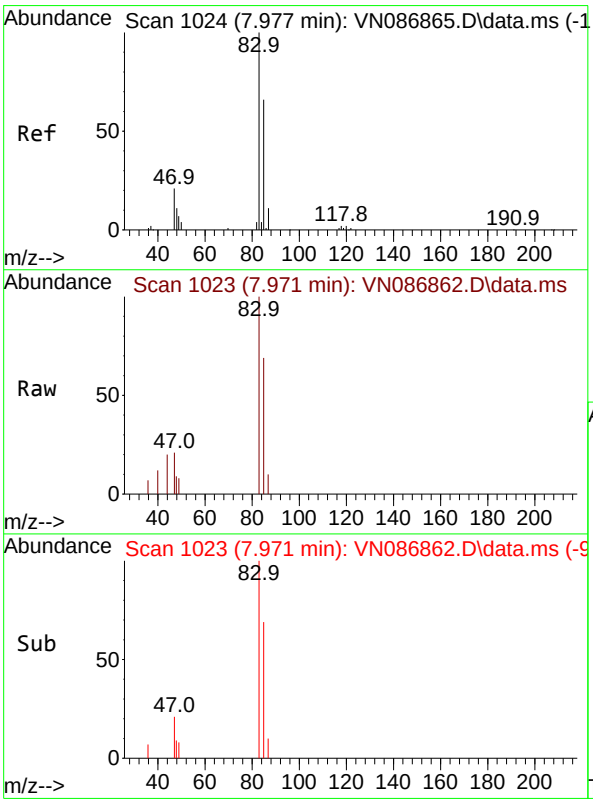
#29
Tetrahydrofuran
Concen: 5.191 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 8301

Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.4	35.6	53.4

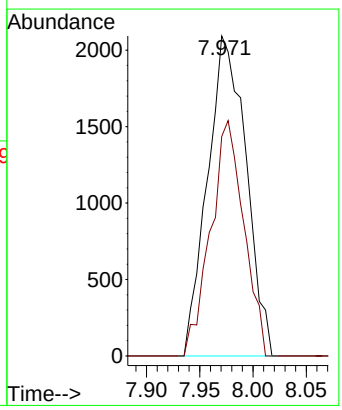


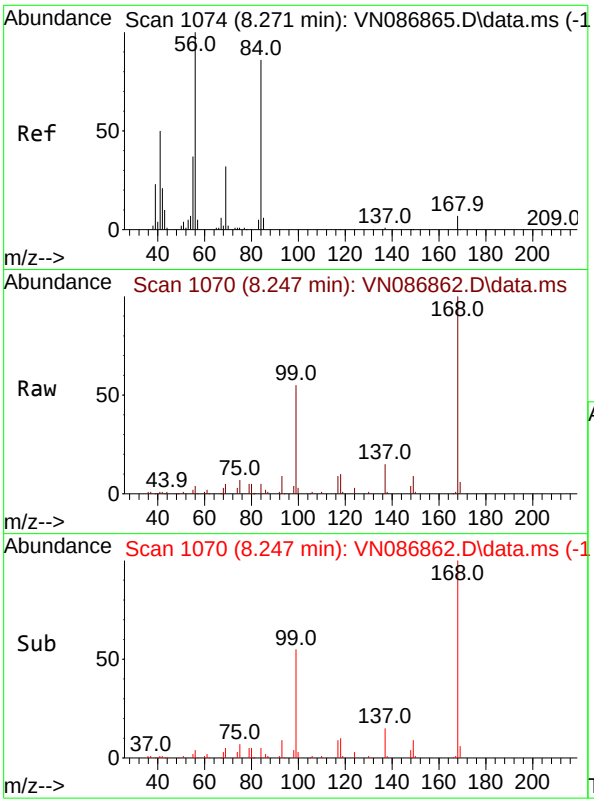


#30
Chloroform
Concen: 1.105 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.9	79.3



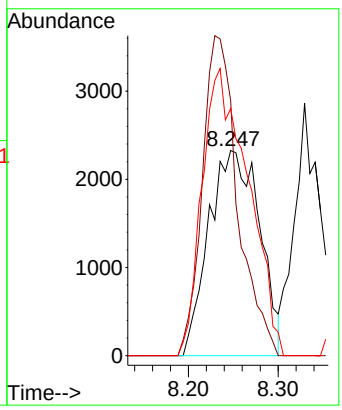


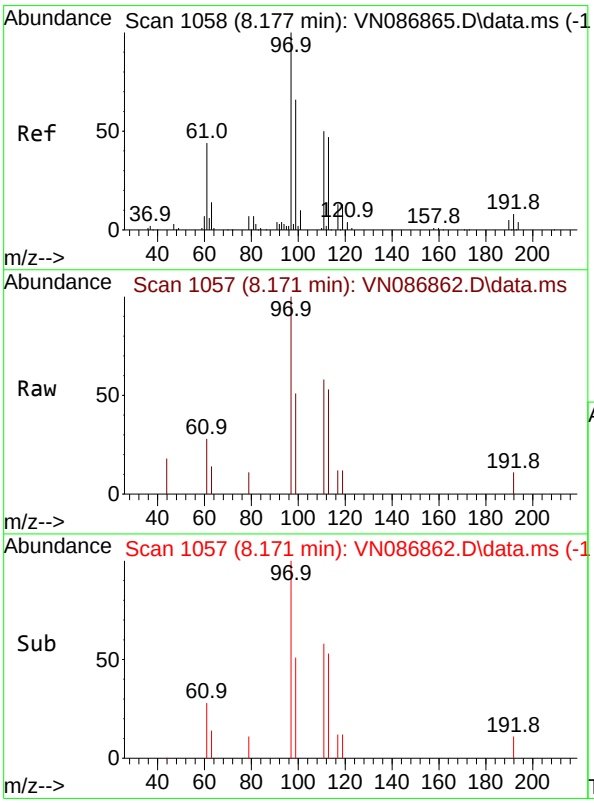
#31
Cyclohexane
Concen: 1.980 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 9143

Ion	Ratio	Lower	Upper
56	100		
69	124.2	25.4	38.0#
84	120.5	68.8	103.2#

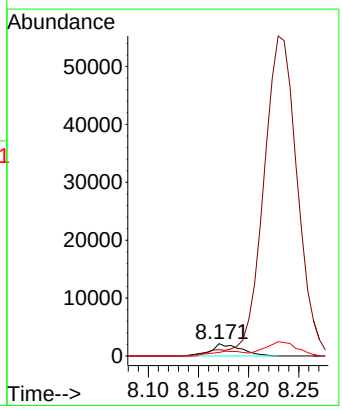


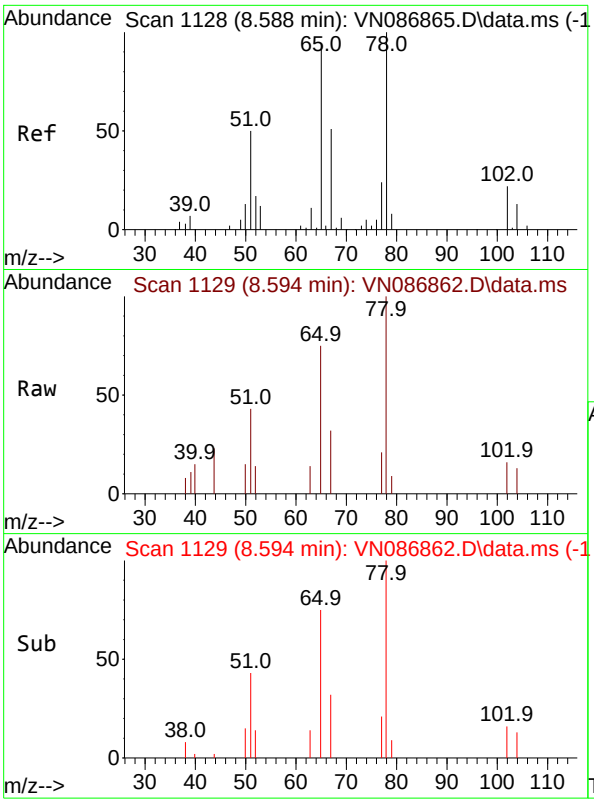


#32
1,1,1-Trichloroethane
Concen: 1.082 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 4378

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.5	35.9	53.9



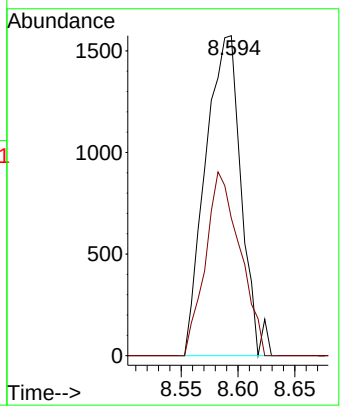


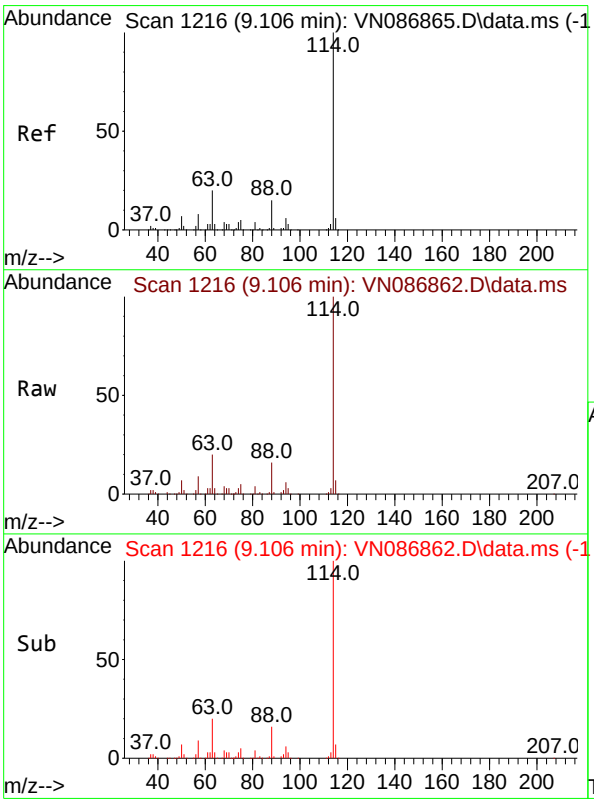
#33
1,2-Dichloroethane-d4
Concen: 1.204 ug/l
RT: 8.594 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3429

Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	105.6

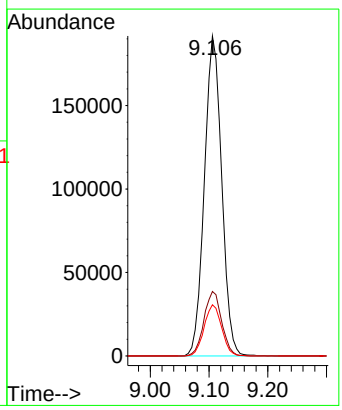


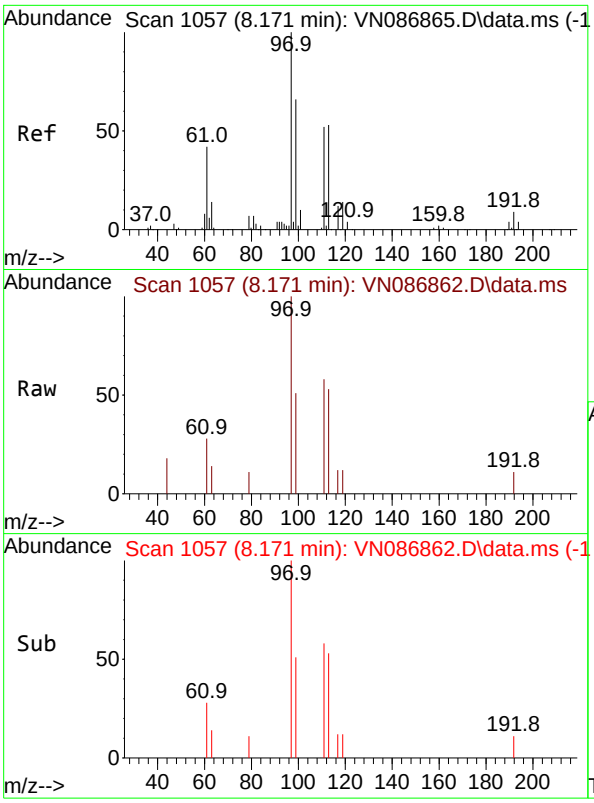


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:114 Resp: 393457

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.0	0.0	30.2



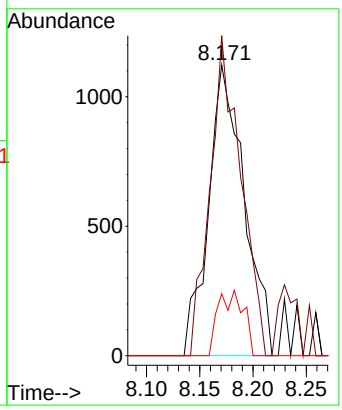


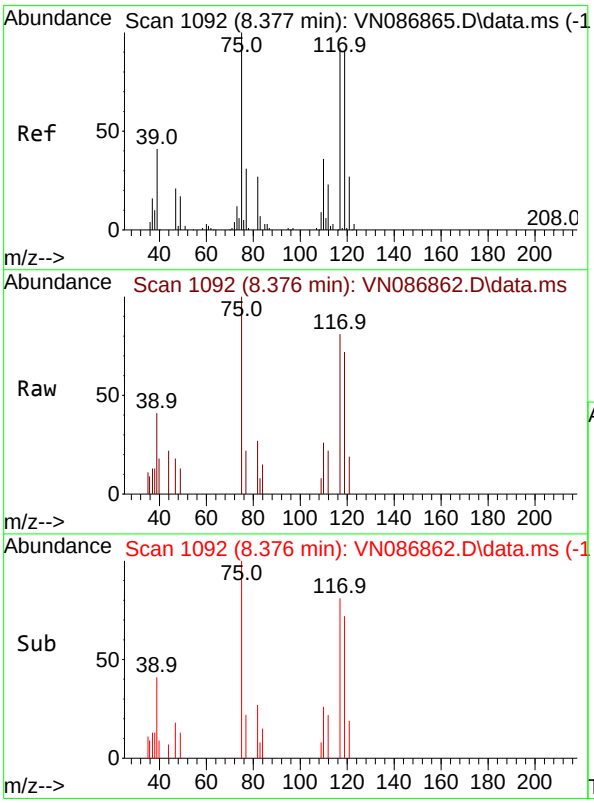
#35
Dibromofluoromethane
Concen: 1.126 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2626

Ion	Ratio	Lower	Upper
113	100		
111	94.8	84.2	126.2
192	7.7	14.2	21.4#

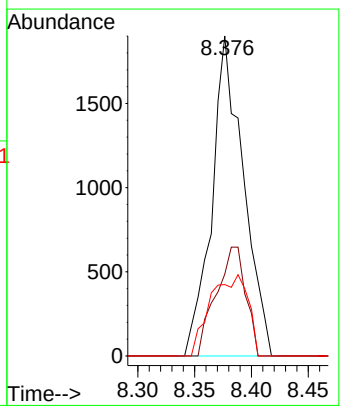


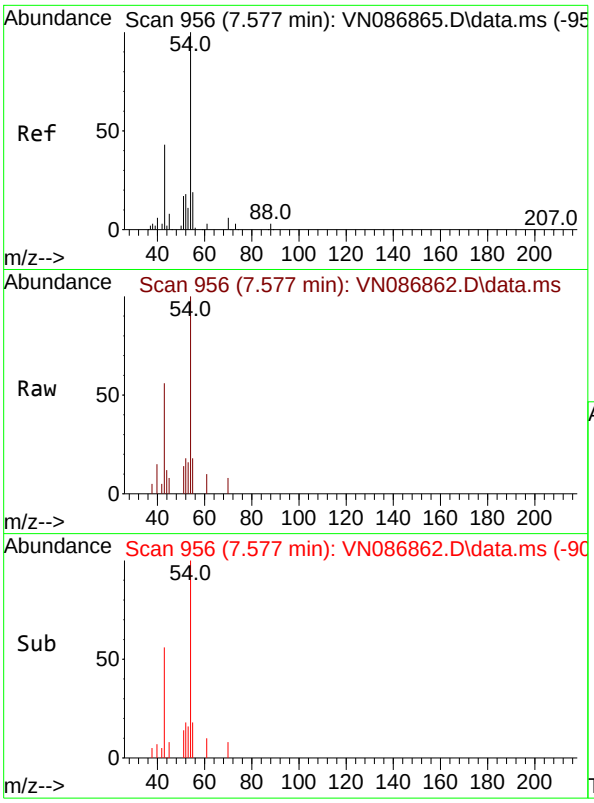


#36
1,1-Dichloropropene
Concen: 1.059 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 3678

Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.6	52.9
77	30.2	25.3	37.9



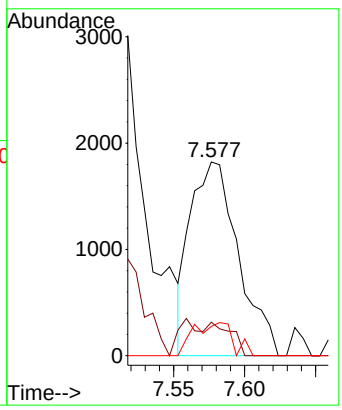


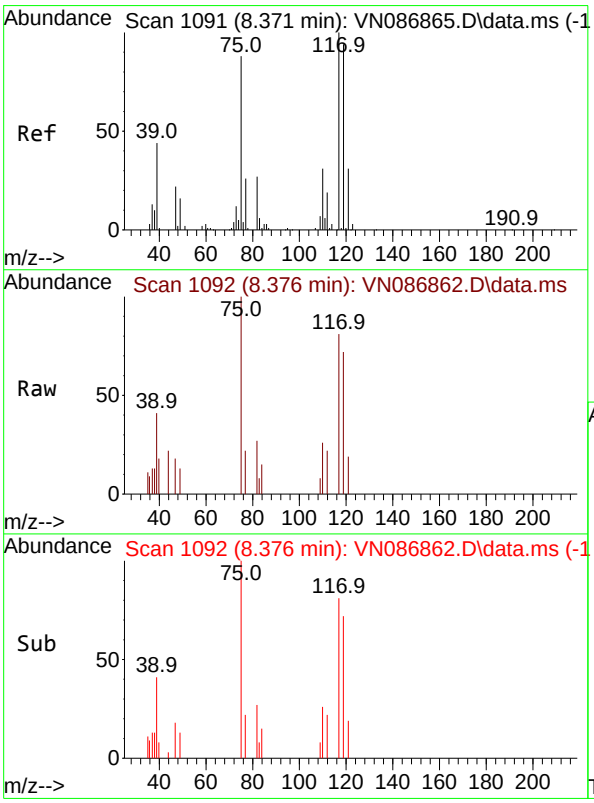
#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.577 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4282

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	14.1	9.8	14.6

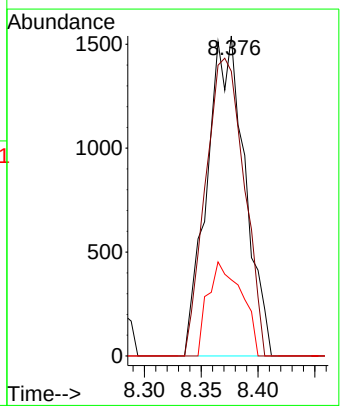


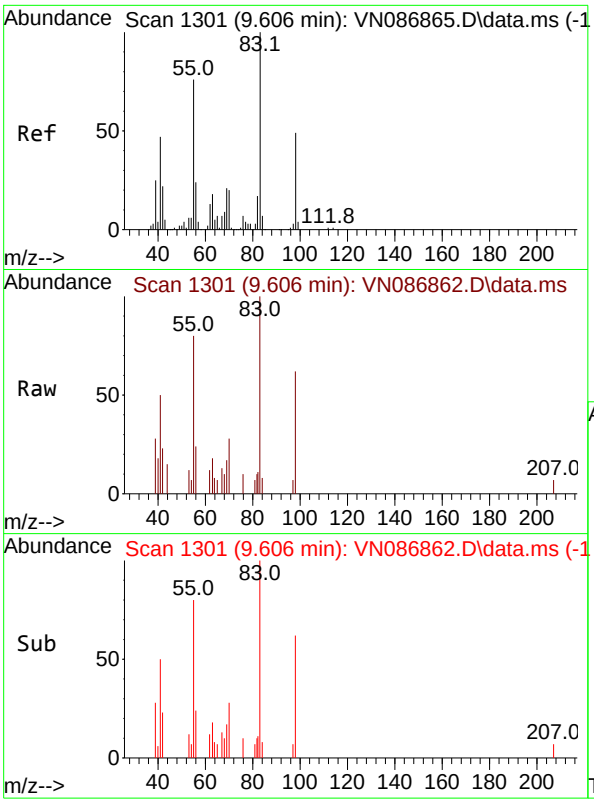


#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 3563

Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.0	112.6
121	23.8	24.9	37.3#



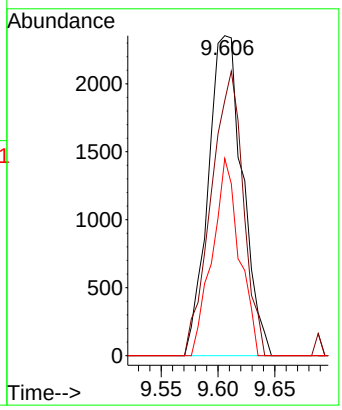


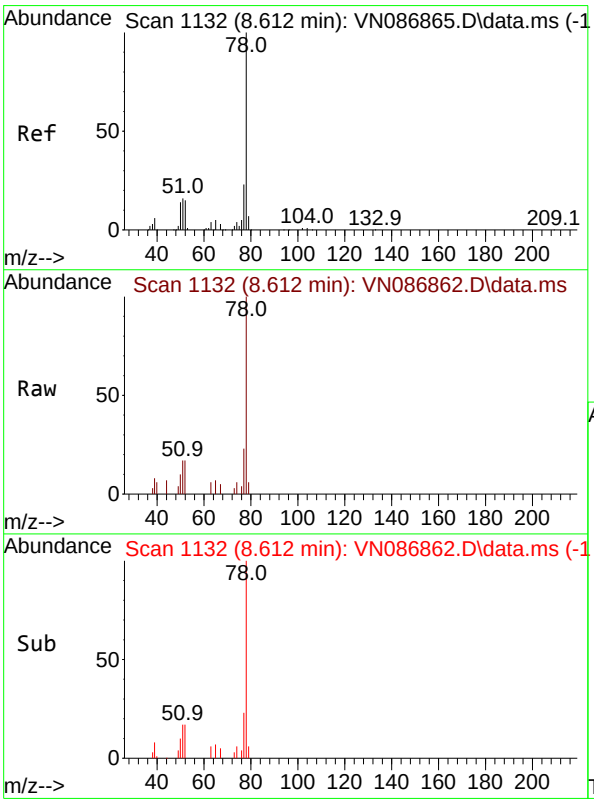
#39
Methylcyclohexane
Concen: 1.046 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4981

Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.6
98	61.6	38.9	58.3#

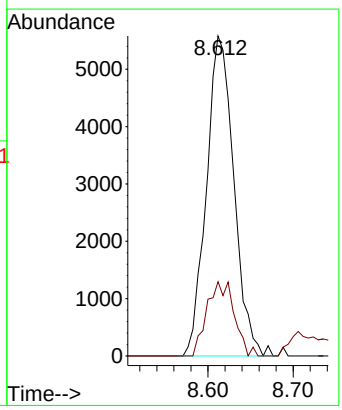


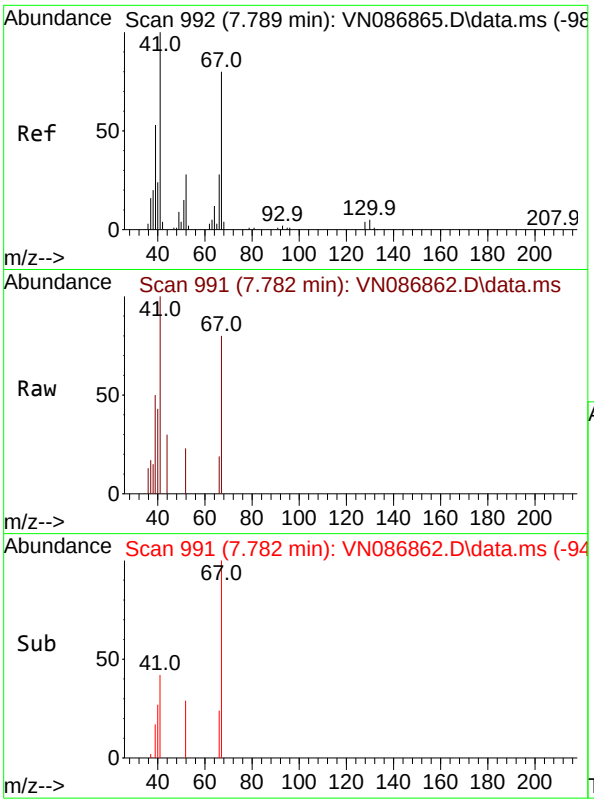


#40
Benzene
Concen: 1.100 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 78 Resp: 12498

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1



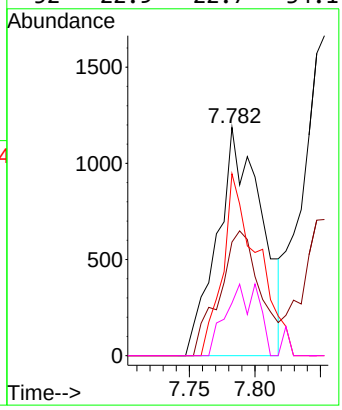


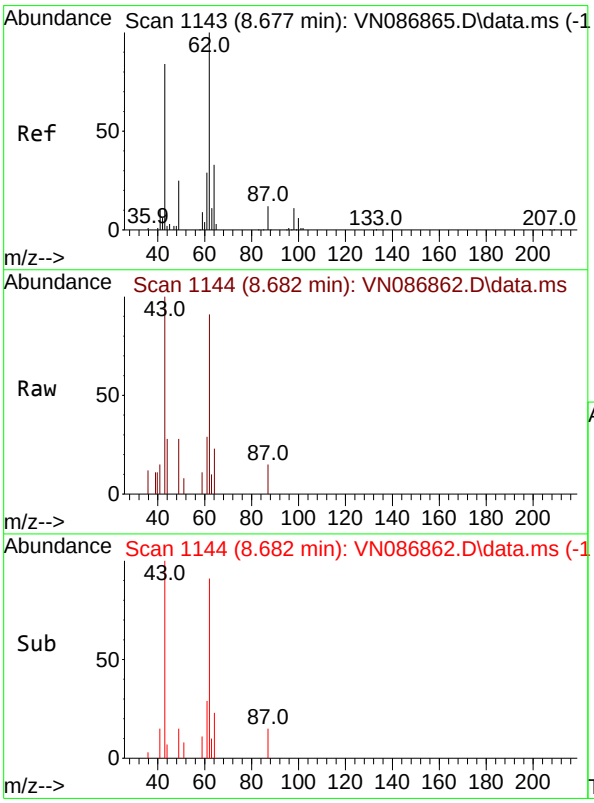
#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 7.782 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2799

Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.2	61.8
67	62.4	61.4	92.2
52	22.9	22.7	34.1

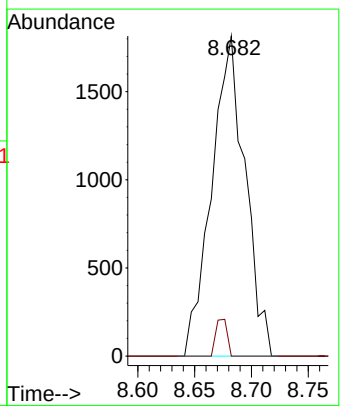


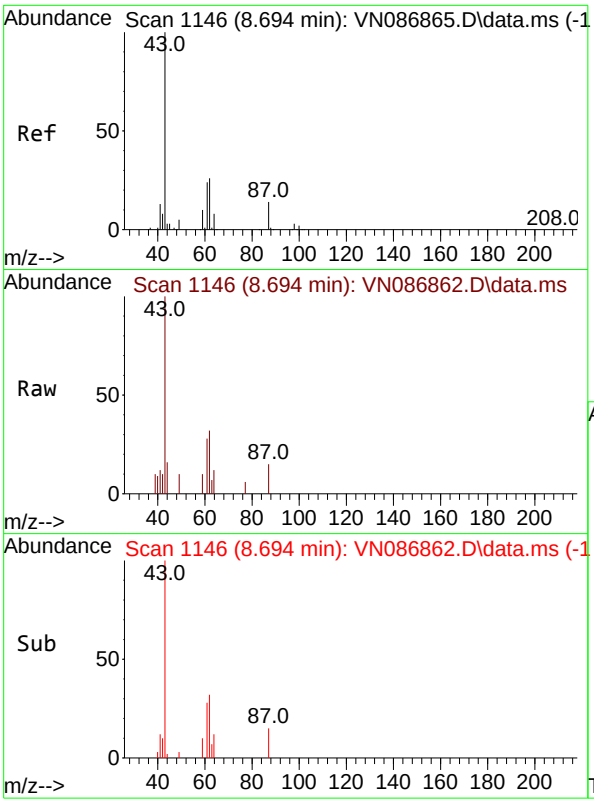


#42
1,2-Dichloroethane
Concen: 1.081 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 3725

Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	21.2



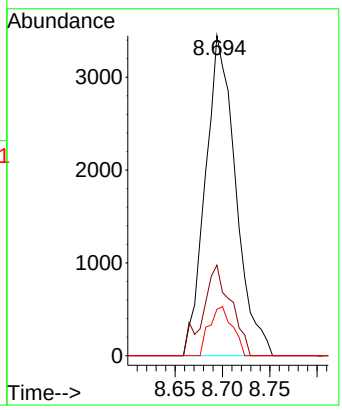


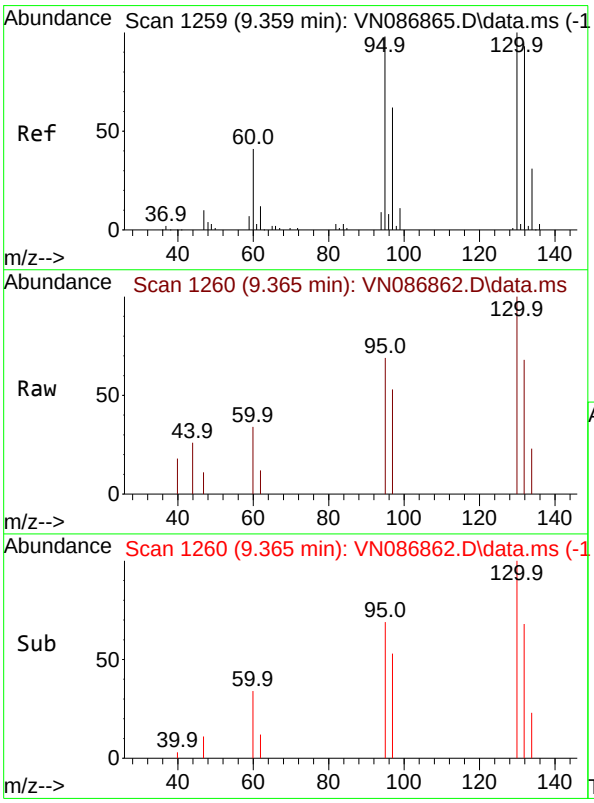
#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7673

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	11.7	11.8	17.6#

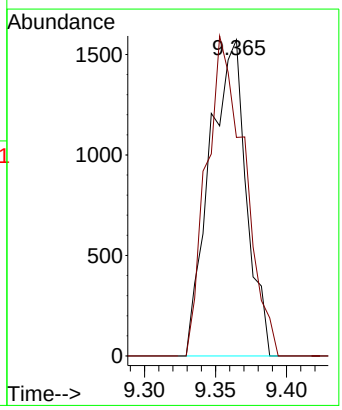


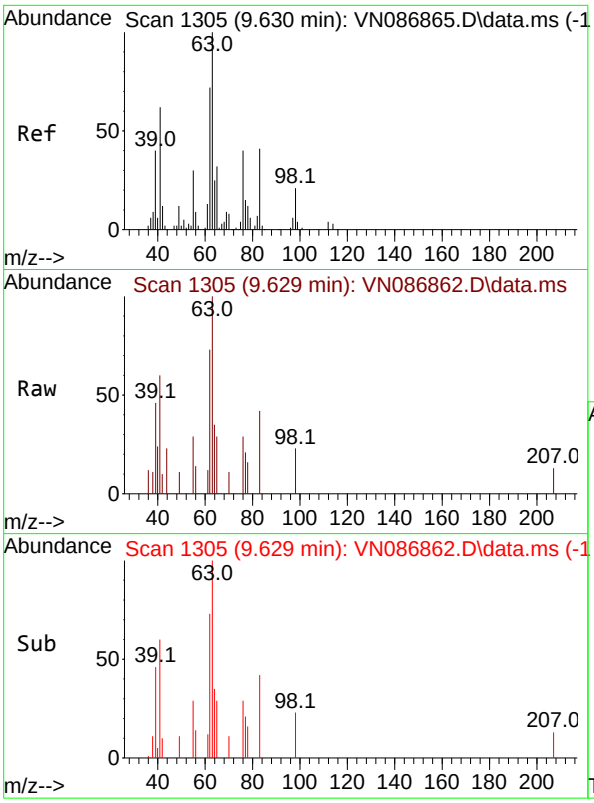


#44
Trichloroethene
Concen: 1.047 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:130 Resp: 2822

Ion	Ratio	Lower	Upper
130	100		
95	69.1	0.0	196.2



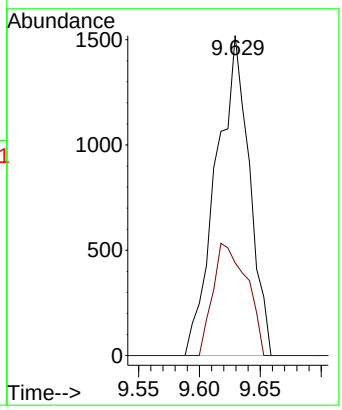


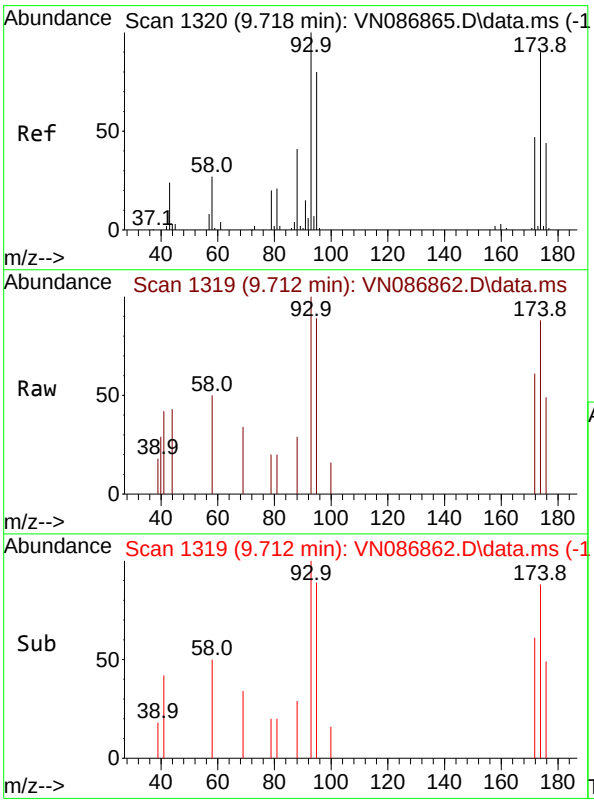
#45
1,2-Dichloropropane
Concen: 1.043 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2883

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.5	38.3

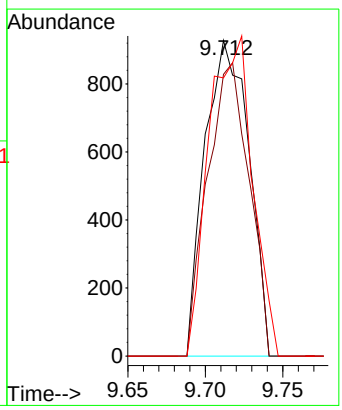


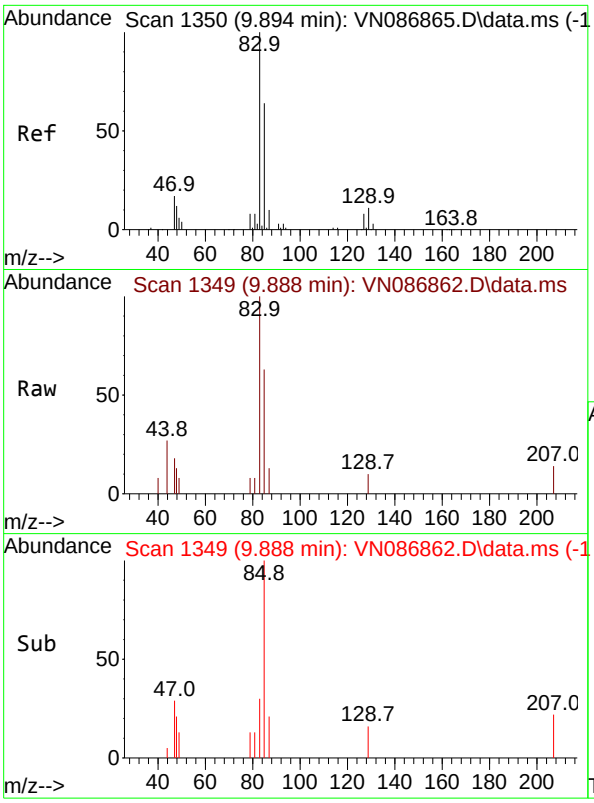


#46
Dibromomethane
Concen: 0.999 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 93 Resp: 1835

Ion	Ratio	Lower	Upper
93	100		
95	87.6	67.1	100.7
174	100.5	74.2	111.4



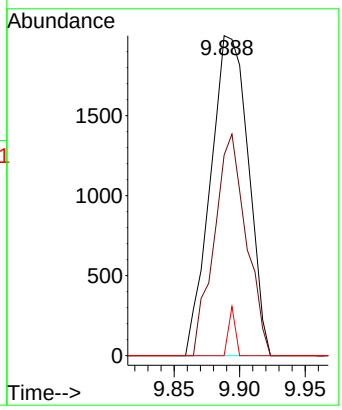


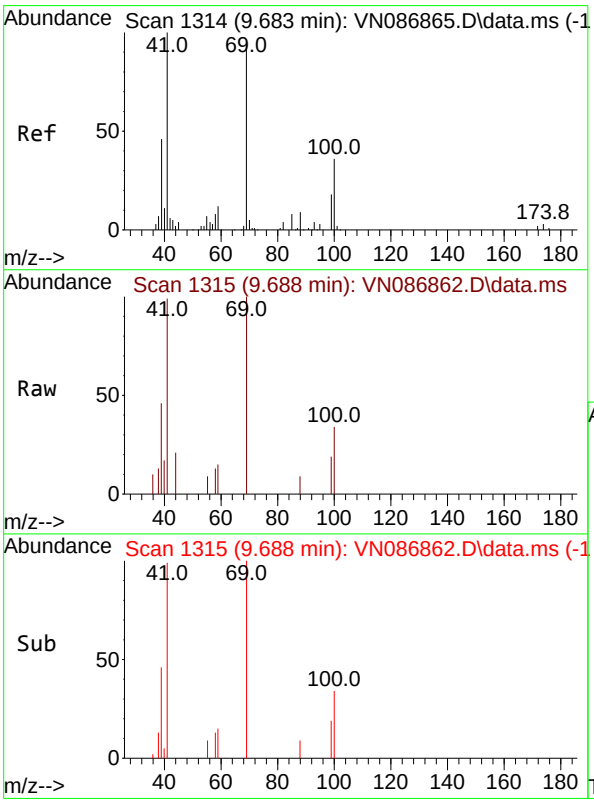
#47
Bromodichloromethane
Concen: 1.063 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4017

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	0.0	6.6	10.0#

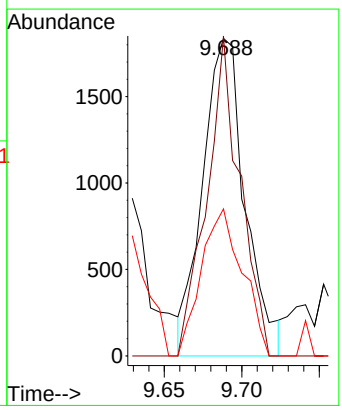


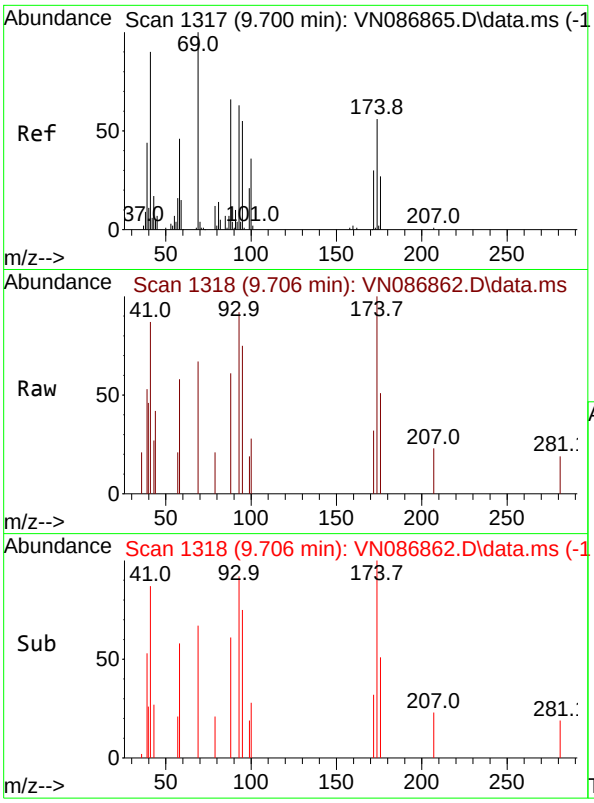


#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 3492

Ion	Ratio	Lower	Upper
41	100		
69	79.4	74.6	112.0
39	44.9	40.2	60.4



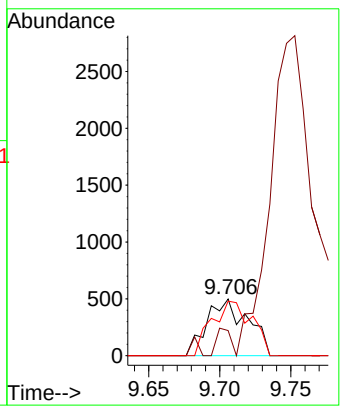


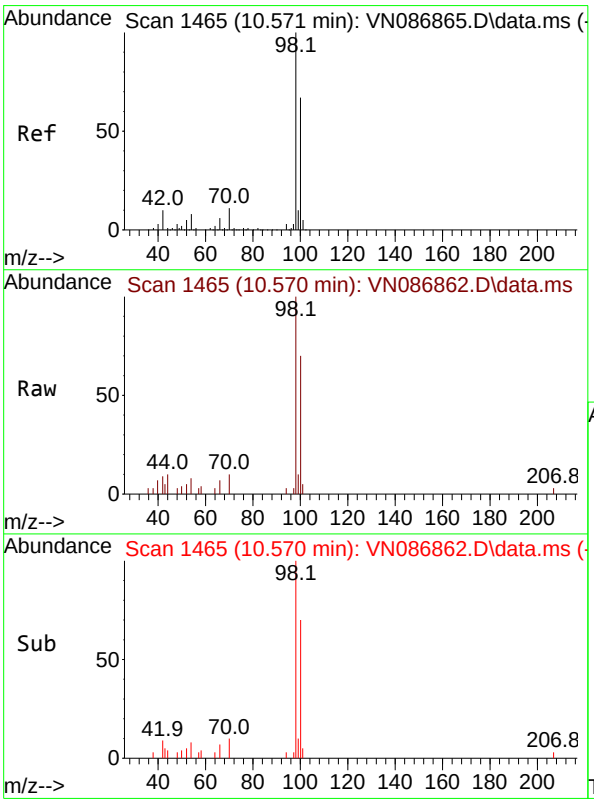
#49
1,4-Dioxane
Concen: 16.891 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 1004

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	94.0	57.7	86.5#

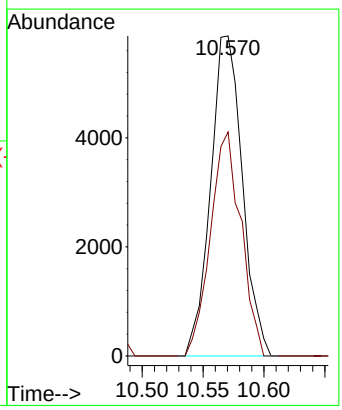


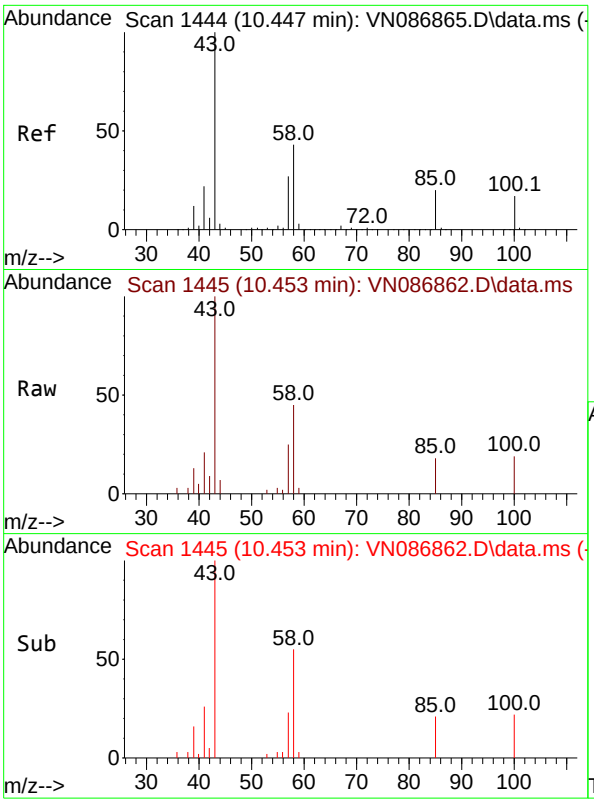


#50
Toluene-d8
Concen: 1.153 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 98 Resp: 10645

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.0



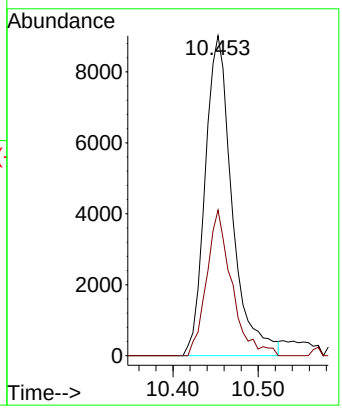


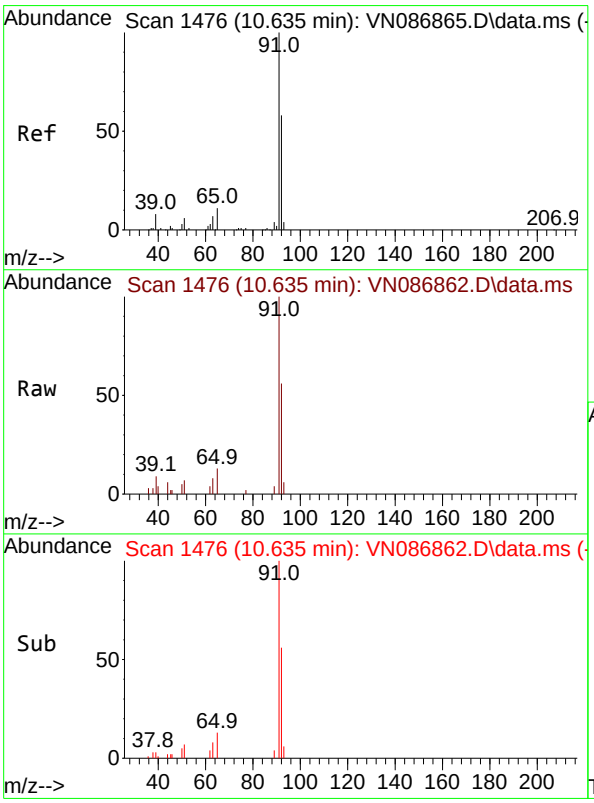
#51
4-Methyl-2-Pentanone
Concen: 4.653 ug/l
RT: 10.453 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 19886

Ion	Ratio	Lower	Upper
43	100		
58	42.3	34.2	51.4

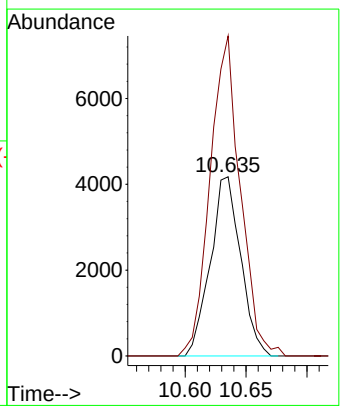


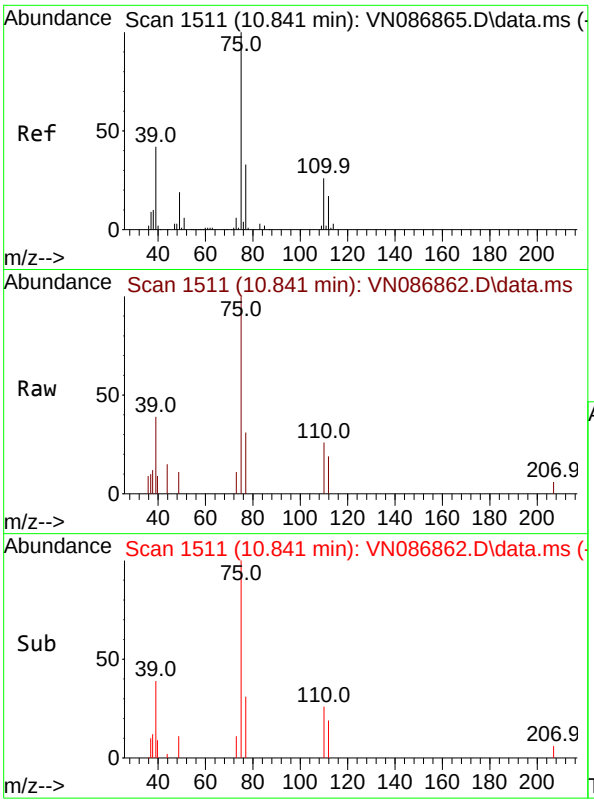


#52
Toluene
Concen: 1.041 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 92 Resp: 7227

Ion	Ratio	Lower	Upper
92	100		
91	178.1	136.5	204.7



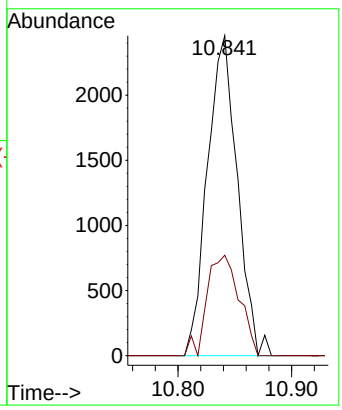


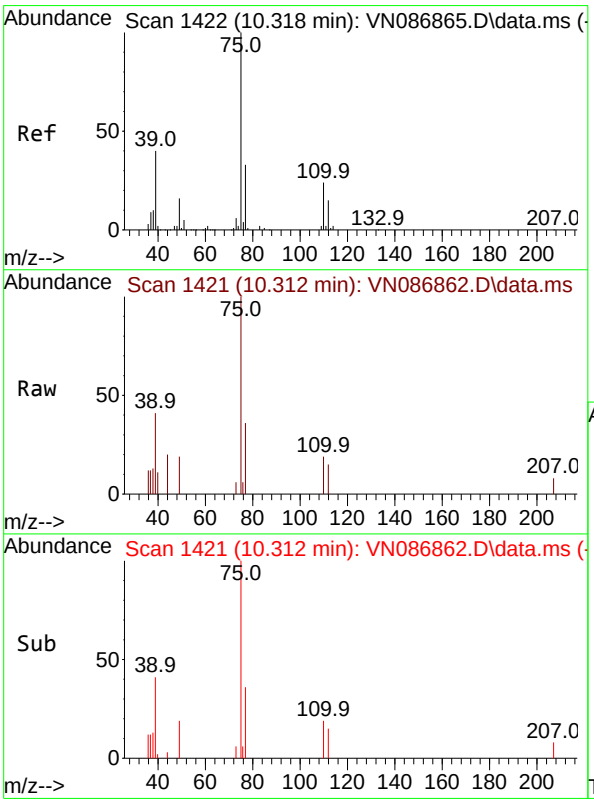
#53
t-1,3-Dichloropropene
Concen: 1.064 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4494

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

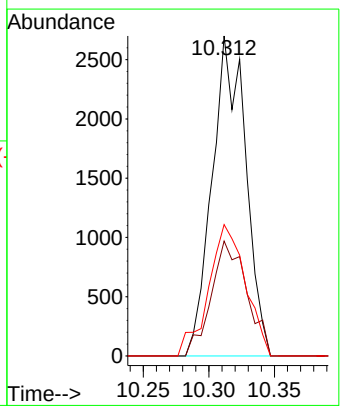


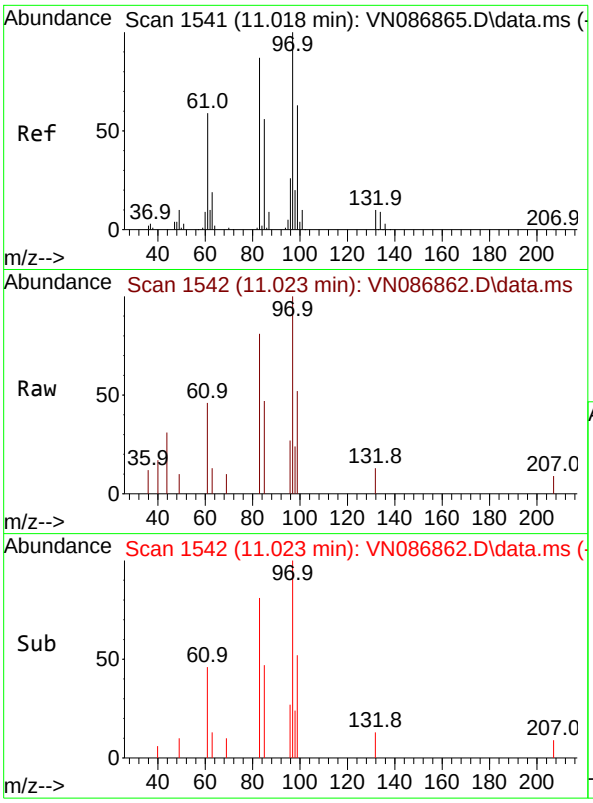


#54
cis-1,3-Dichloropropene
Concen: 1.060 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 4792

Ion	Ratio	Lower	Upper
75	100		
77	35.9	26.2	39.4
39	41.1	32.3	48.5



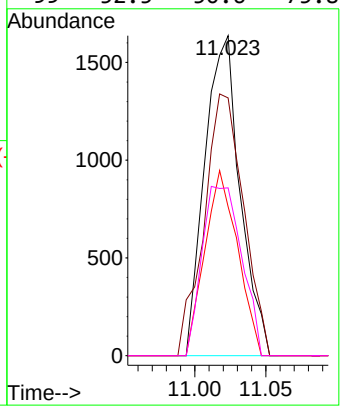


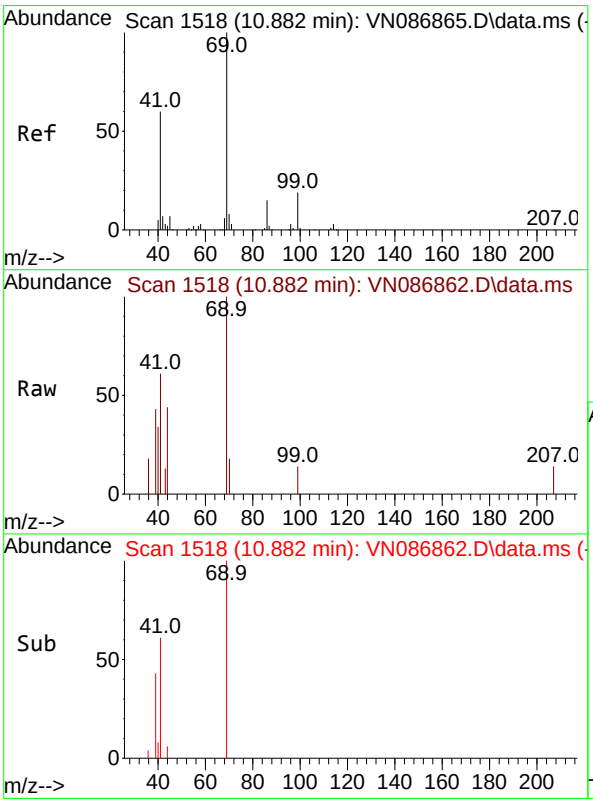
#55
1,1,2-Trichloroethane
Concen: 1.058 ug/l
RT: 11.023 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2828

Ion	Ratio	Lower	Upper
97	100		
83	80.6	69.7	104.5
85	46.5	45.1	67.7
99	52.5	50.6	75.8

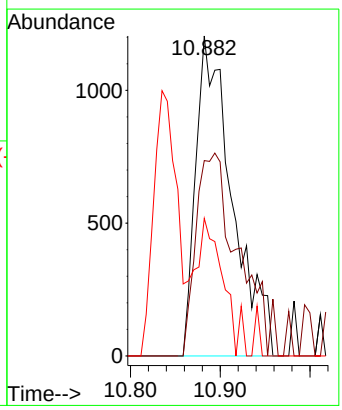


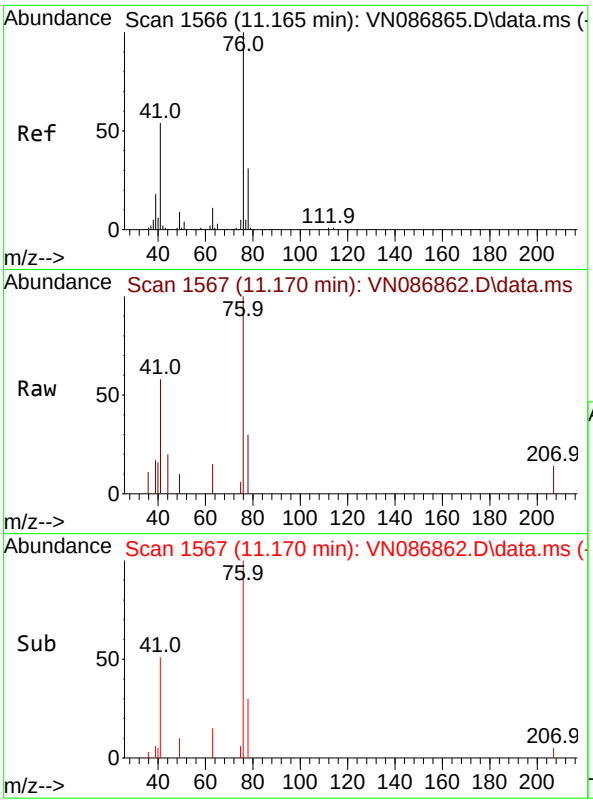


#56
Ethyl methacrylate
Concen: 0.800 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 69 Resp: 3406

Ion	Ratio	Lower	Upper
69	100		
41	73.5	47.2	70.8#
39	31.6	23.0	34.6



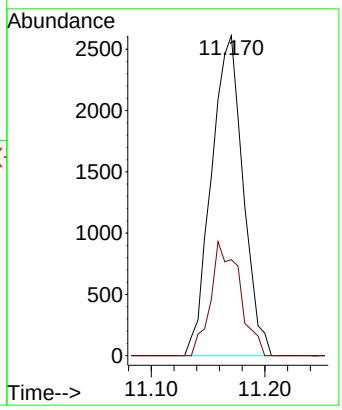


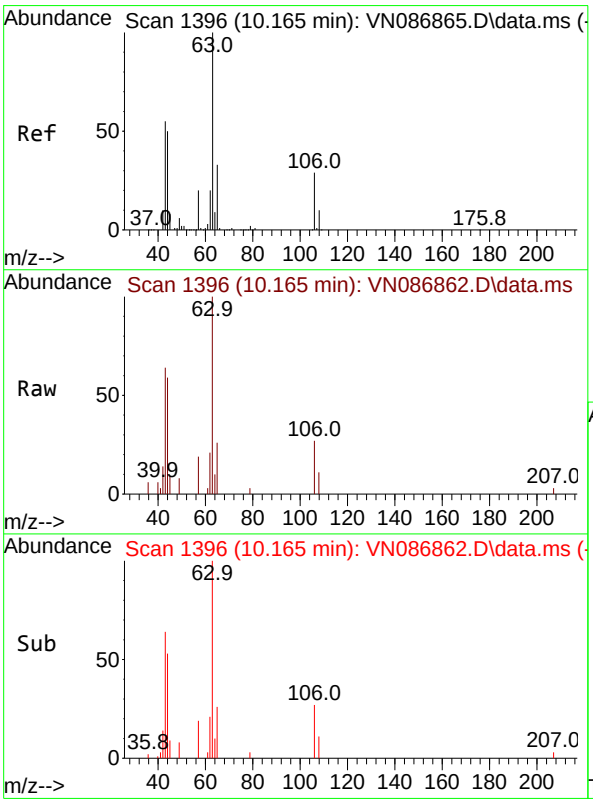
#57
1,3-Dichloropropane
Concen: 1.092 ug/l
RT: 11.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5062

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

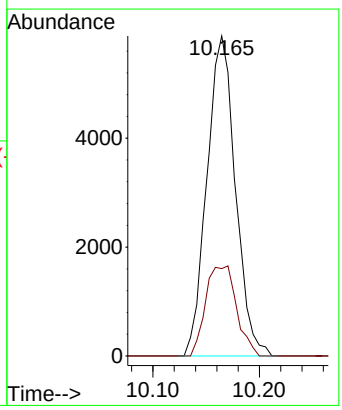


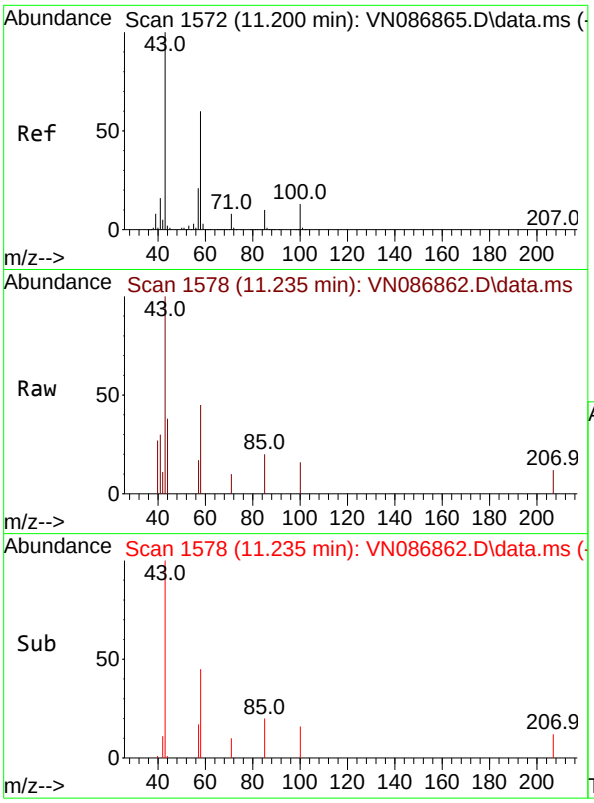


#58
2-Chloroethyl Vinyl ether
Concen: 4.304 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 10924

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6



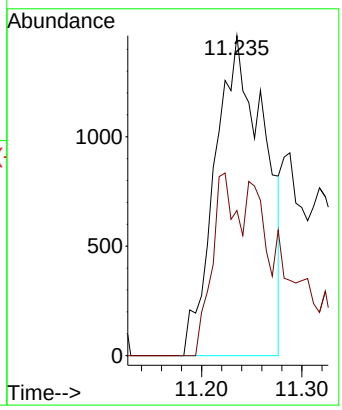


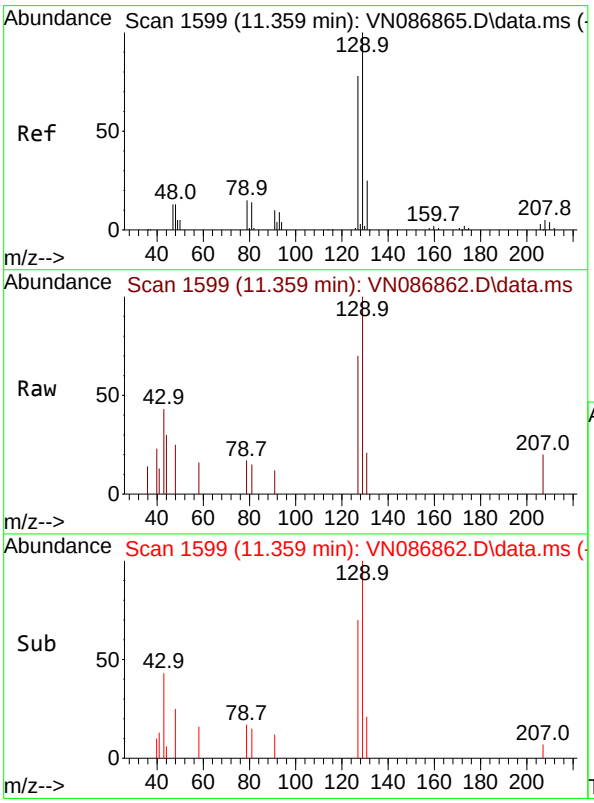
#59
2-Hexanone
Concen: 1.822 ug/l
RT: 11.235 min Scan# 1
Delta R.T. 0.035 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5016

Ion	Ratio	Lower	Upper
43	100		
58	11.5	30.4	91.3#

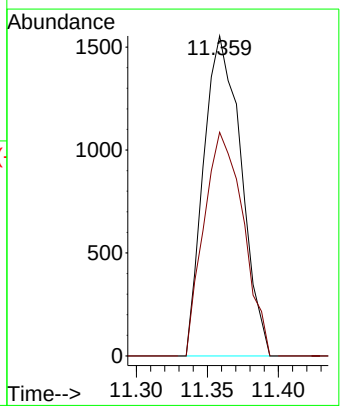


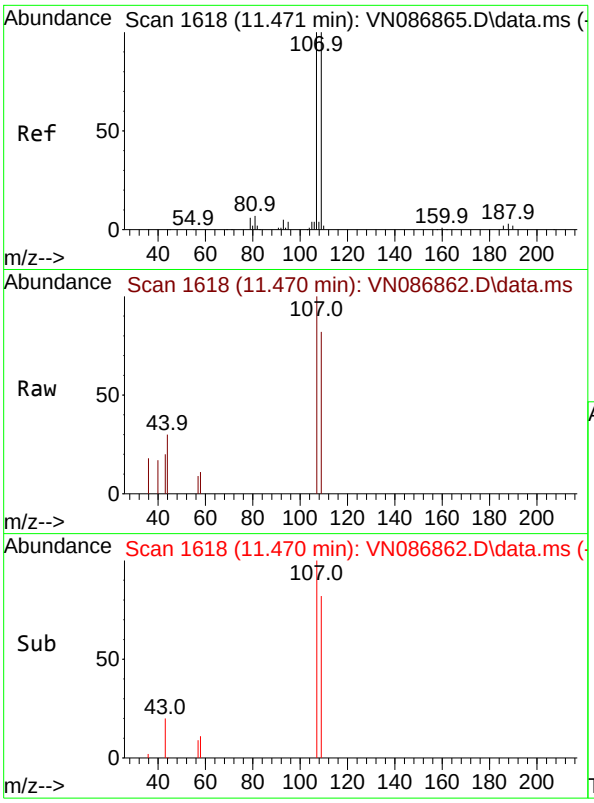


#60
Dibromochloromethane
Concen: 1.021 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:129 Resp: 2843

Ion	Ratio	Lower	Upper
129	100		
127	73.8	38.6	115.8



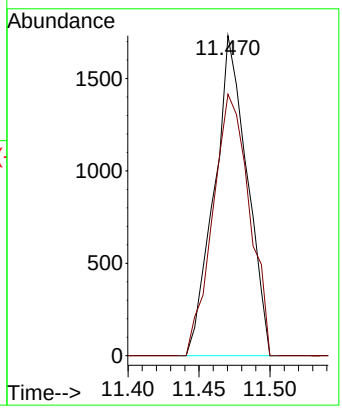


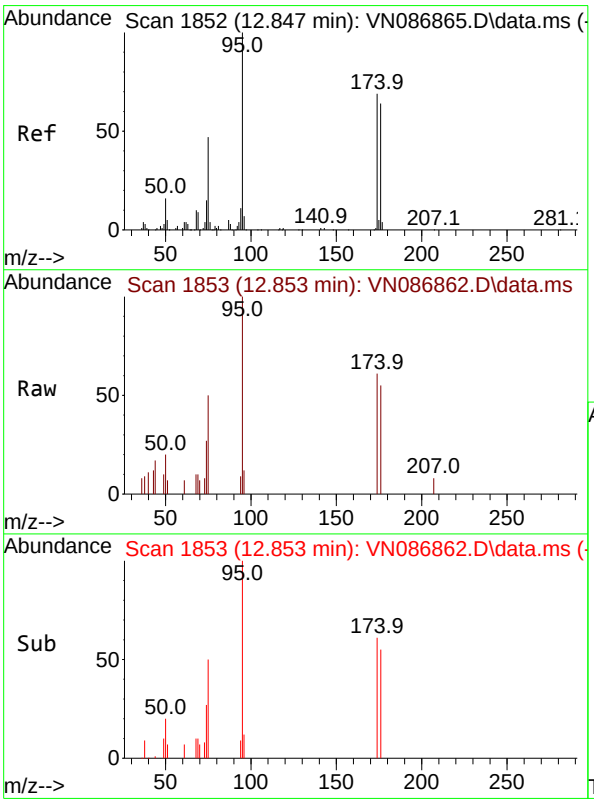
#61
1,2-Dibromoethane
Concen: 1.014 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2777

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.3	114.5

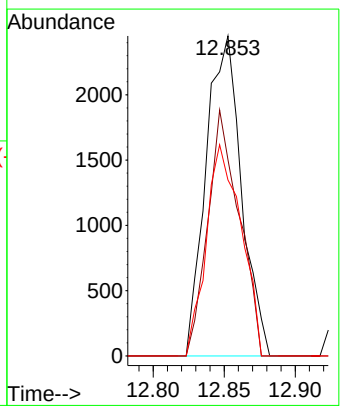


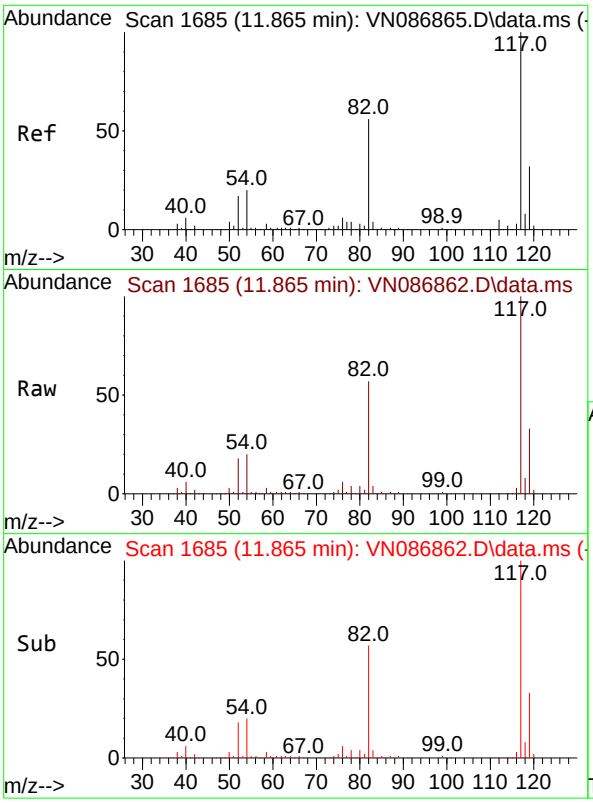


#62
4-Bromofluorobenzene
Concen: 1.240 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 95 Resp: 4252

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	141.8
176	65.0	0.0	132.6



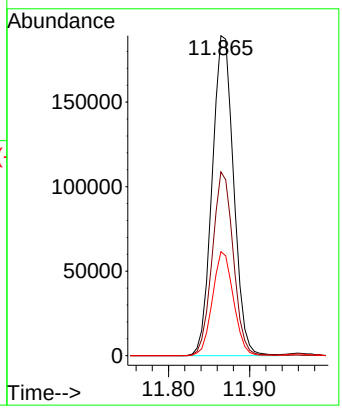


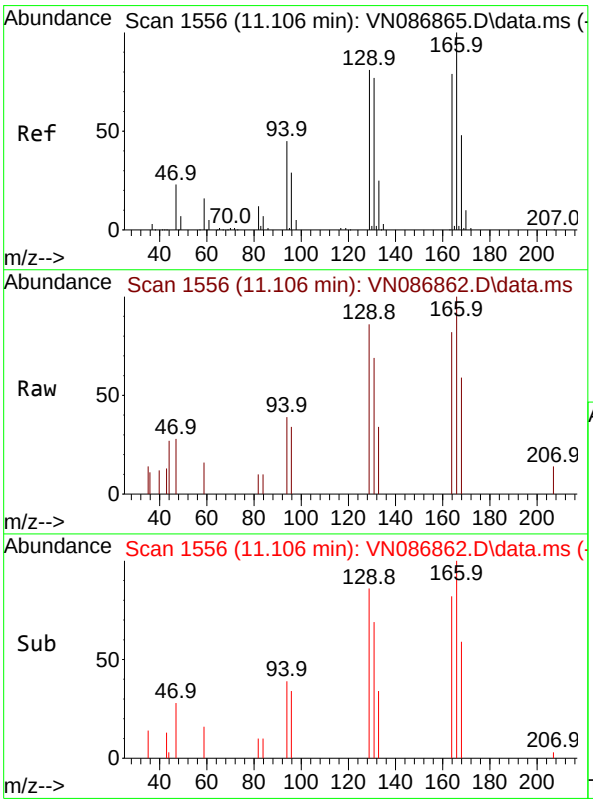
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 348010

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	67.0
119	32.5	25.5	38.3

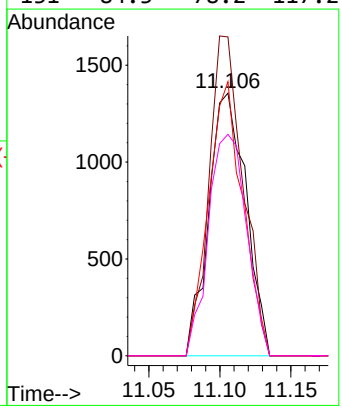


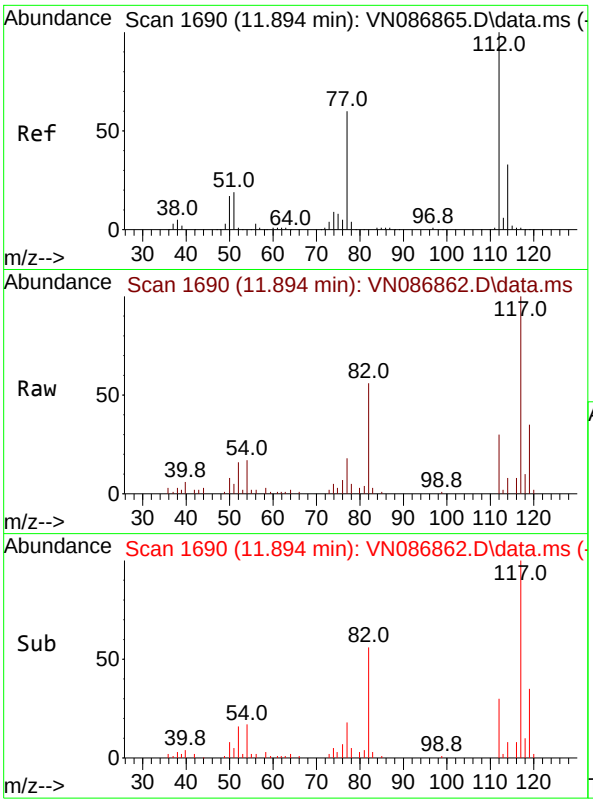


#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
166	121.4	101.8	152.8
129	104.4	83.0	124.4
131	84.3	78.2	117.2



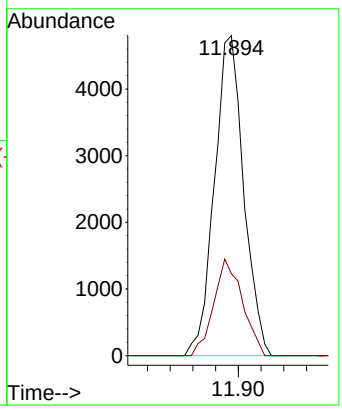


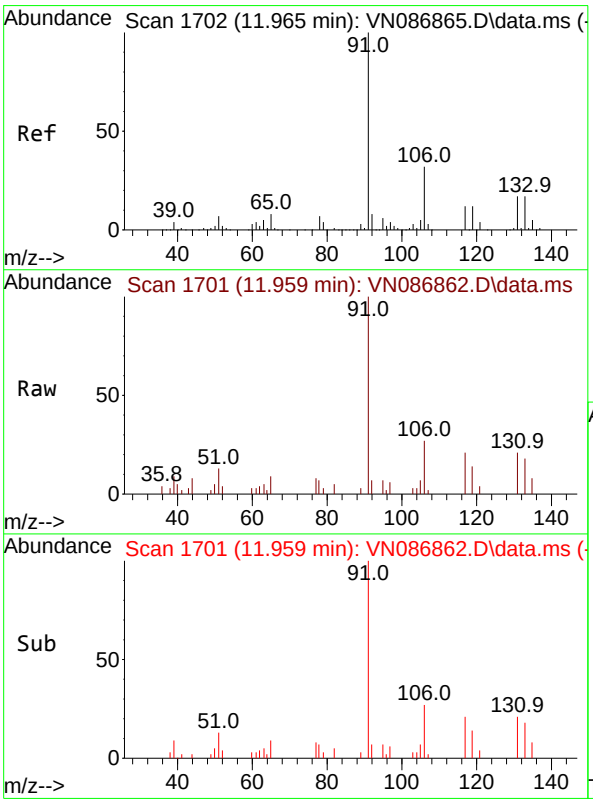
#65
Chlorobenzene
Concen: 1.118 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8581

Ion	Ratio	Lower	Upper
112	100		
114	25.7	26.2	39.2#

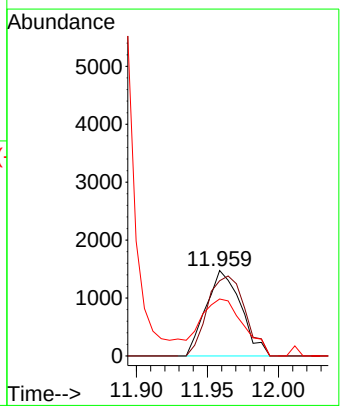


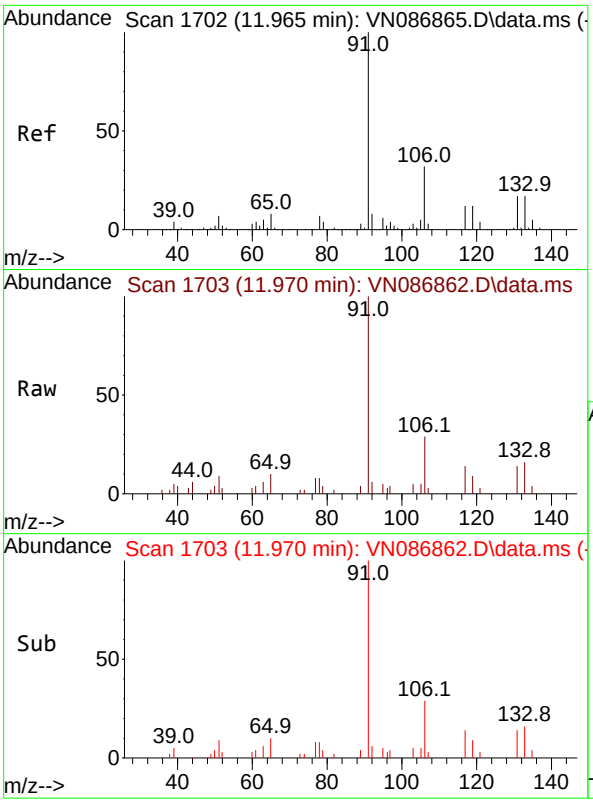


#66
1,1,1,2-Tetrachloroethane
Concen: 1.023 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:131 Resp: 2523

Ion	Ratio	Lower	Upper
131	100		
133	100.9	48.3	144.8
119	0.0	34.0	101.8#



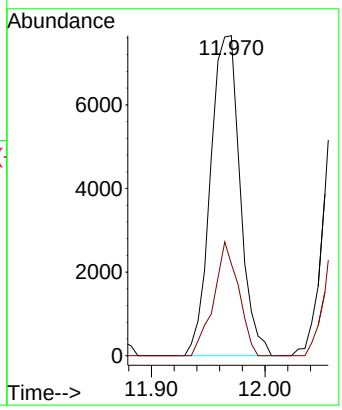


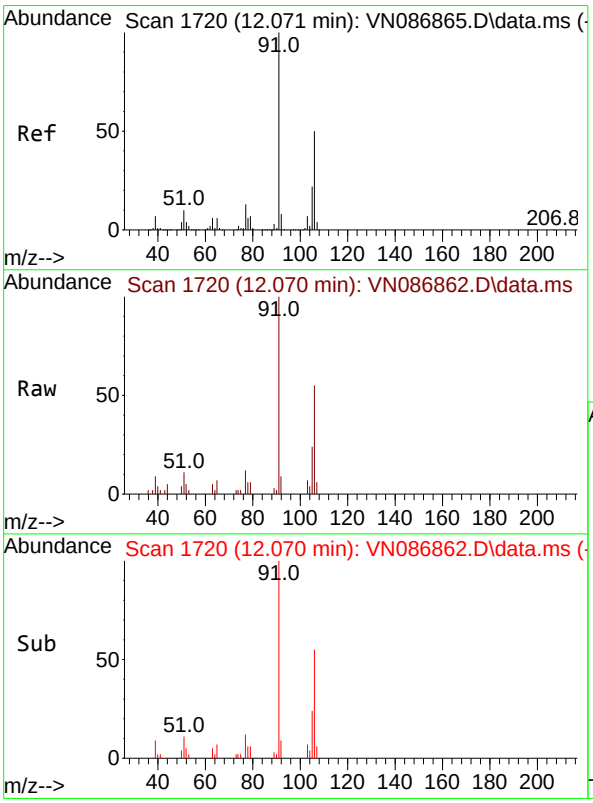
#67
Ethyl Benzene
Concen: 1.047 ug/l
RT: 11.970 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13845

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2

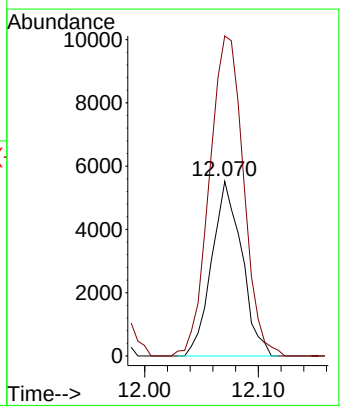


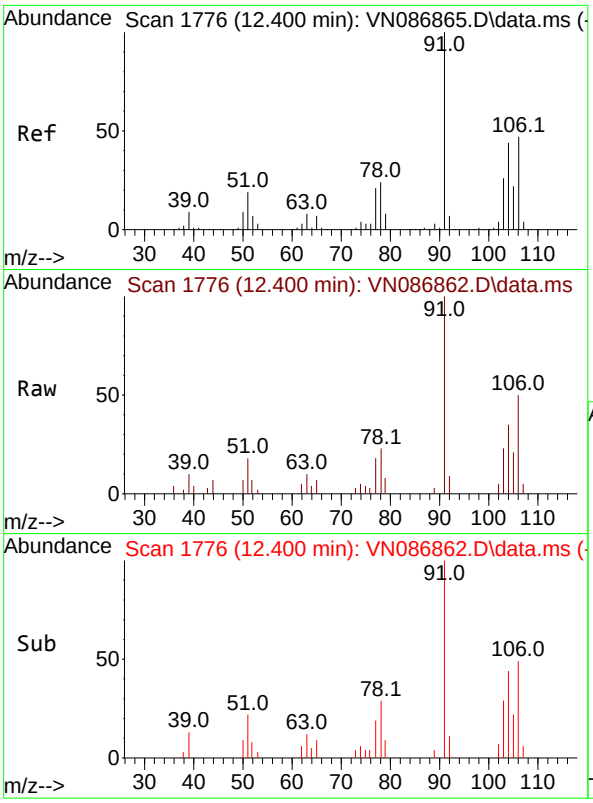


#68
m/p-Xylenes
Concen: 2.008 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:106 Resp: 10163

Ion	Ratio	Lower	Upper
106	100		
91	207.3	159.4	239.0



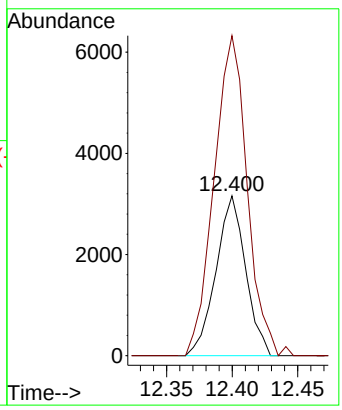


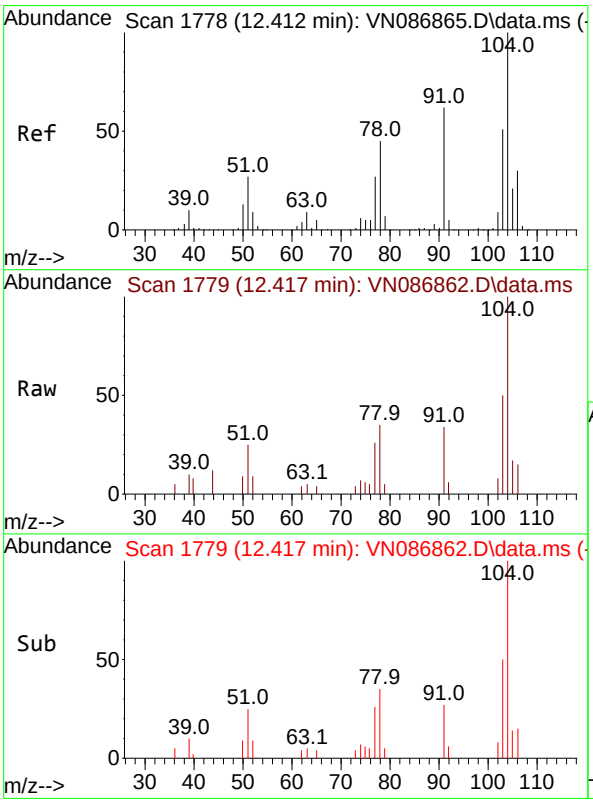
#69
o-Xylene
Concen: 1.025 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4970

Ion	Ratio	Lower	Upper
106	100		
91	223.6	106.1	318.1

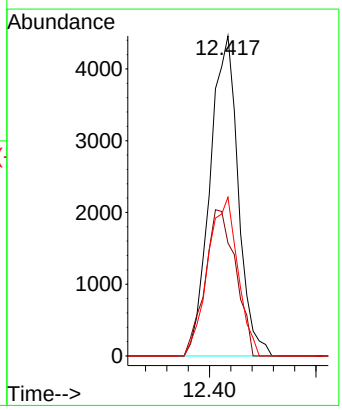


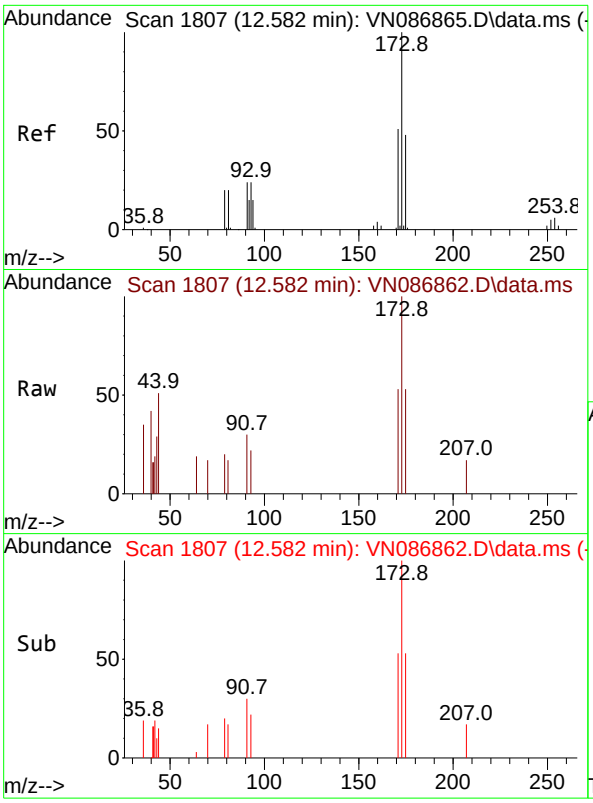


#70
Styrene
Concen: 0.987 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:104 Resp: 8189

Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.5	57.7
103	52.5	43.1	64.7



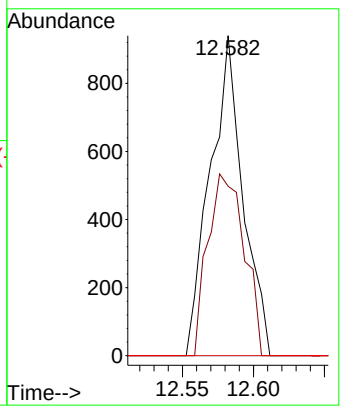


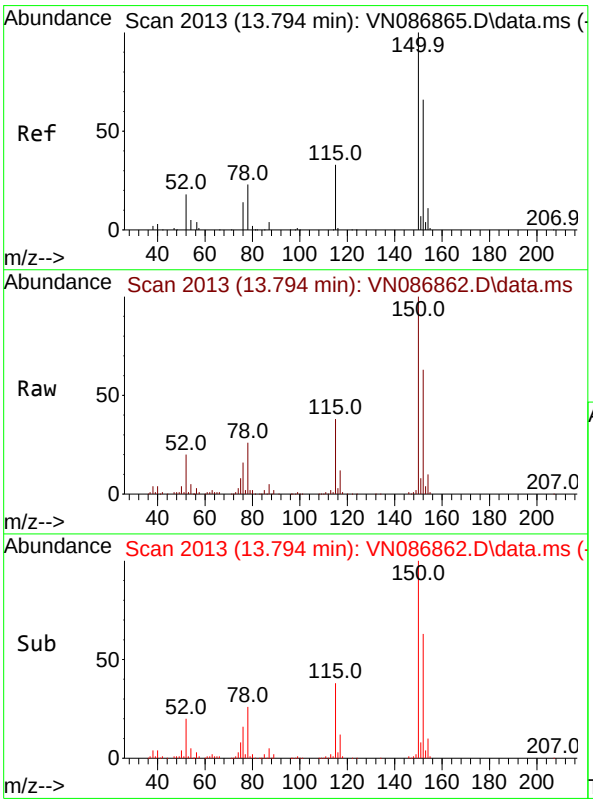
#71
Bromoform
Concen: 0.825 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1508

Ion	Ratio	Lower	Upper
173	100		
175	63.1	24.1	72.4
254	0.0	0.0	0.0

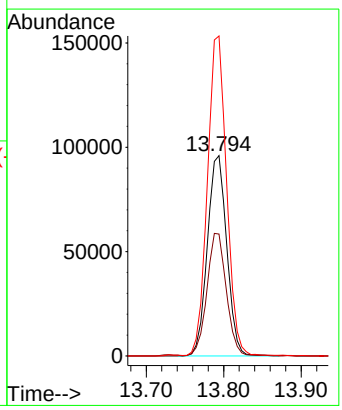


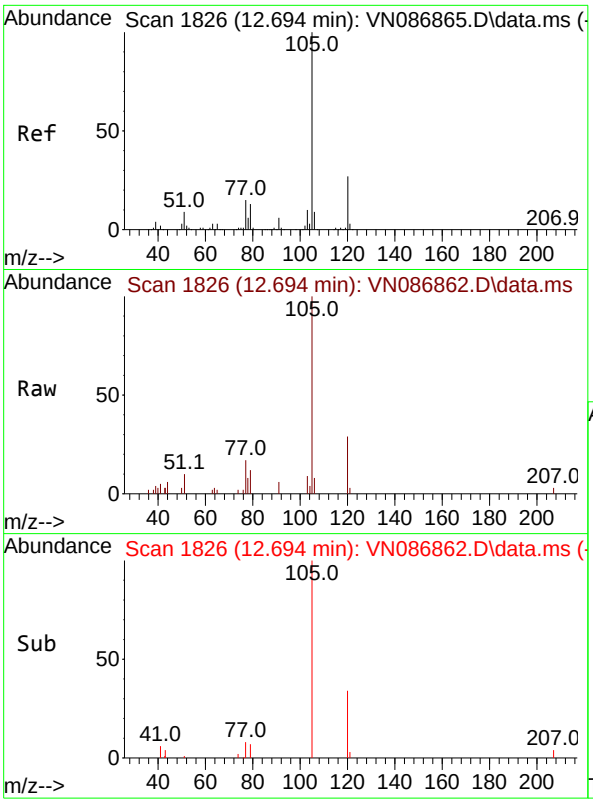


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:152 Resp: 167399

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	158.0	0.0	345.0



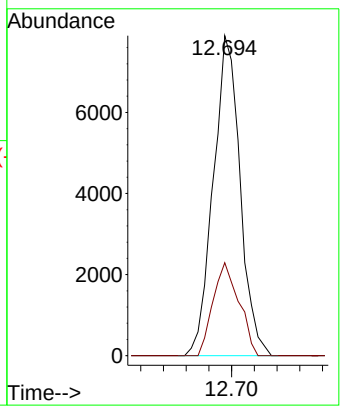


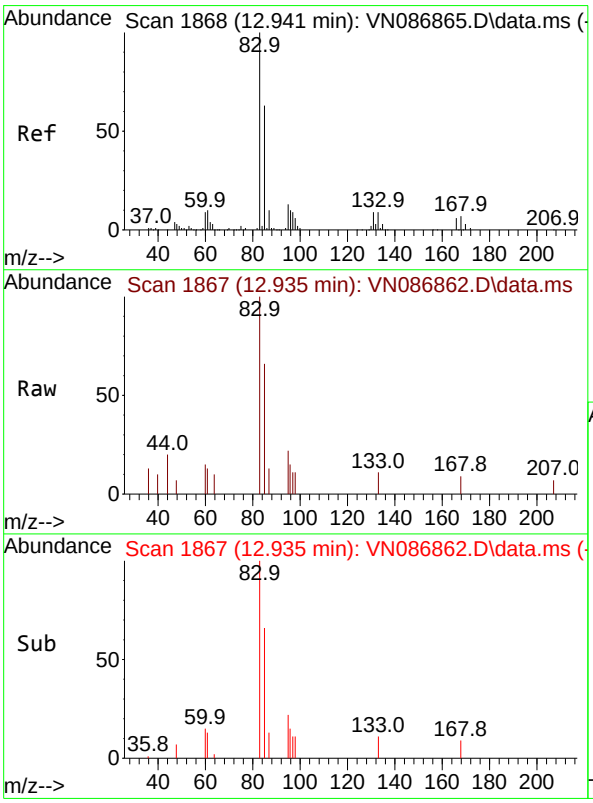
#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12938

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.5	40.4

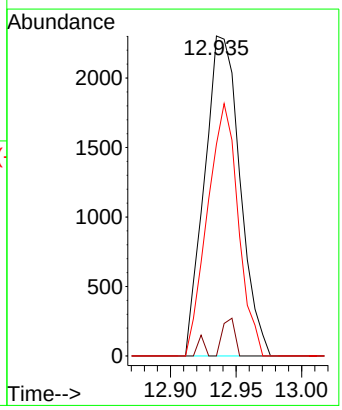


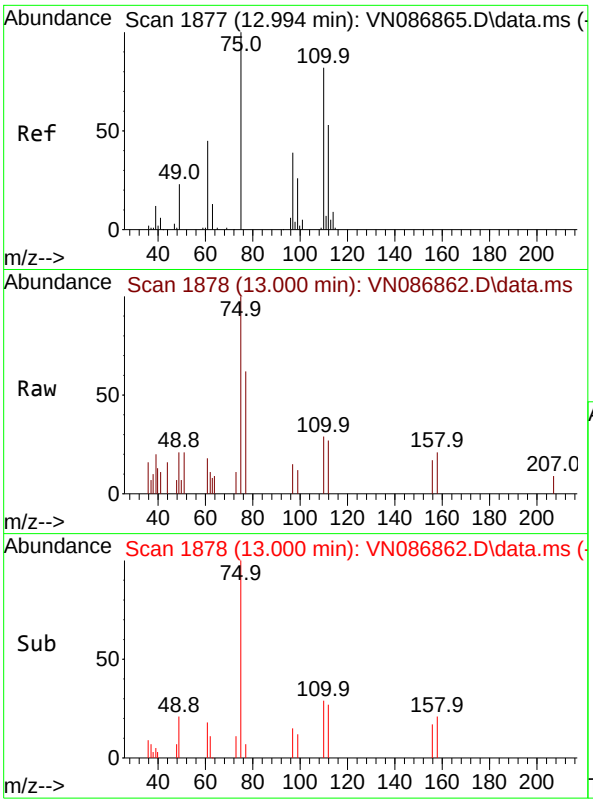


#75
1,1,2,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4326

Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.9	14.7#
85	68.6	32.0	96.0



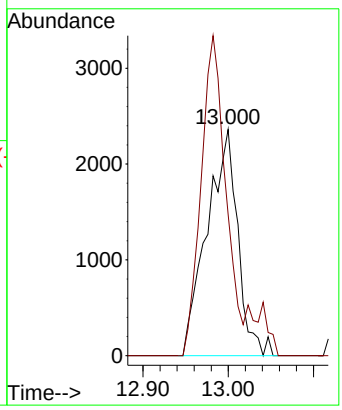


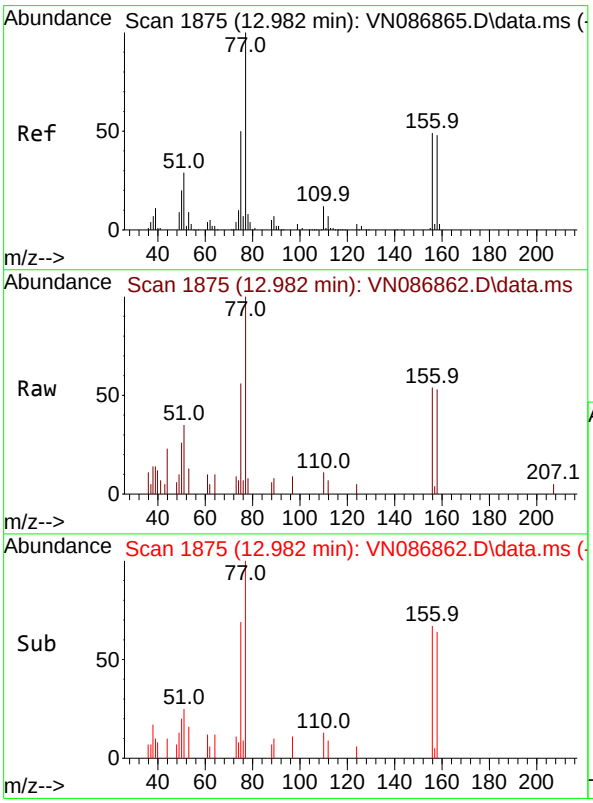
#76
1,2,3-Trichloropropane
Concen: 1.484 ug/l
RT: 13.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 5925

Ion	Ratio	Lower	Upper
75	100		
77	113.2	79.3	237.9

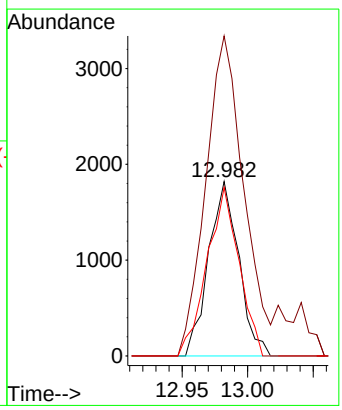


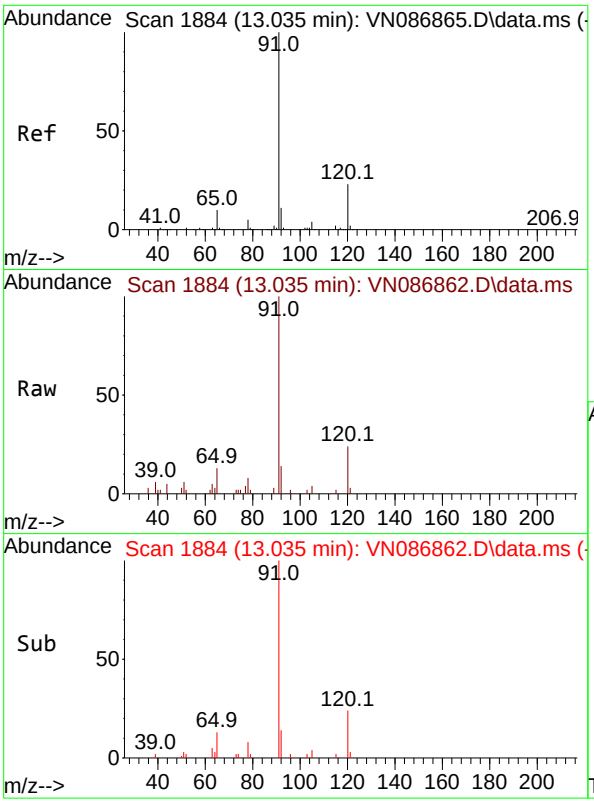


#77
Bromobenzene
Concen: 1.042 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:156 Resp: 2913

Ion	Ratio	Lower	Upper
156	100		
77	230.2	117.7	353.1
158	102.5	48.1	144.4



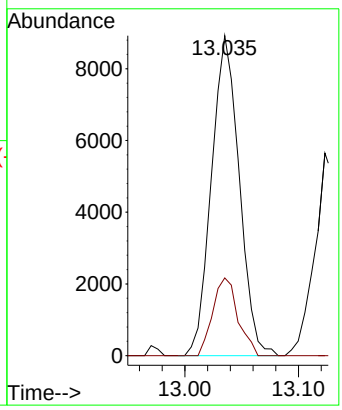


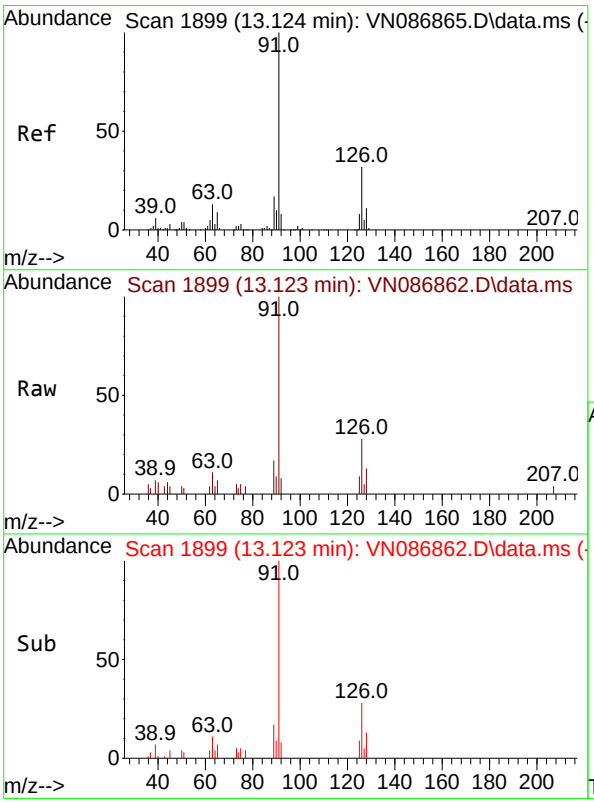
#78
n-propylbenzene
Concen: 1.023 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 15168

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.2

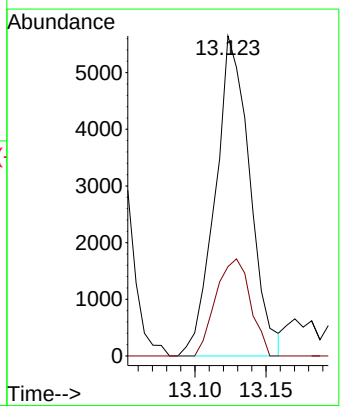


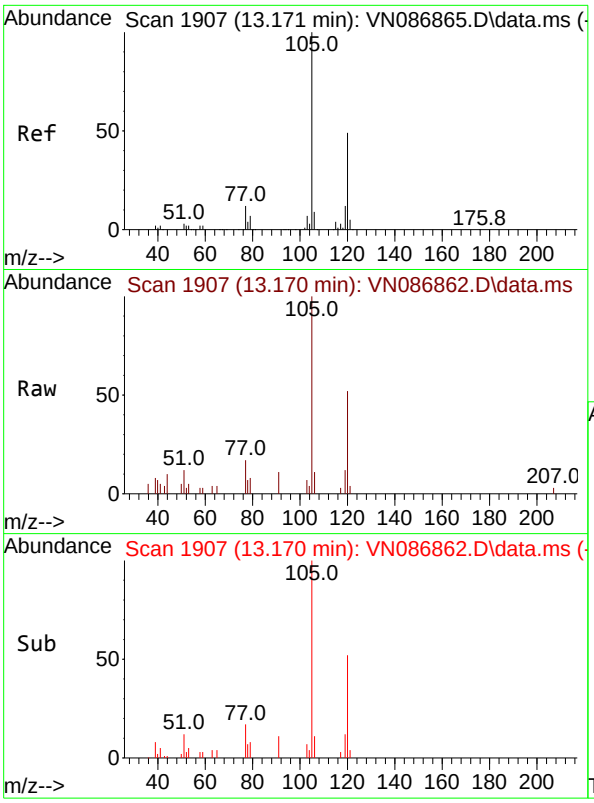


#79
2-Chlorotoluene
Concen: 1.074 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9550

Ion	Ratio	Lower	Upper
91	100		
126	30.4	16.2	48.5



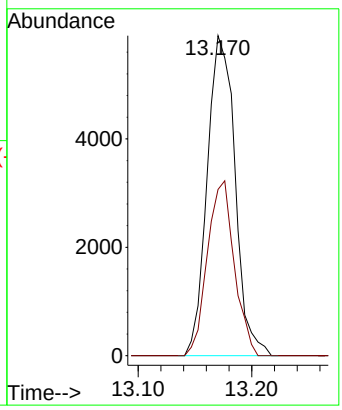


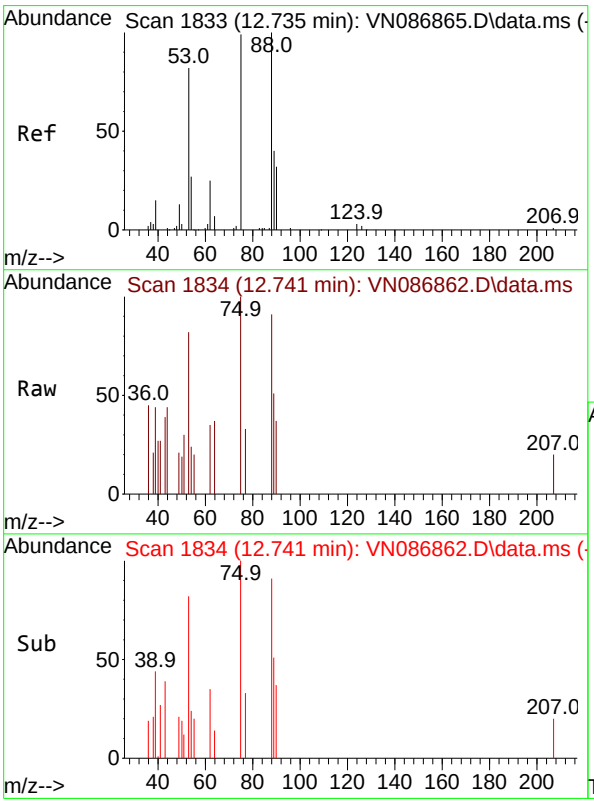
#80
1,3,5-Trimethylbenzene
Concen: 0.999 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 10058

Ion	Ratio	Lower	Upper
105	100		
120	52.7	24.9	74.6

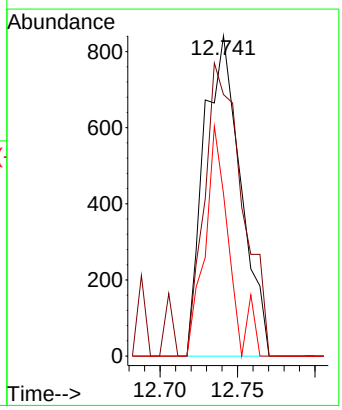


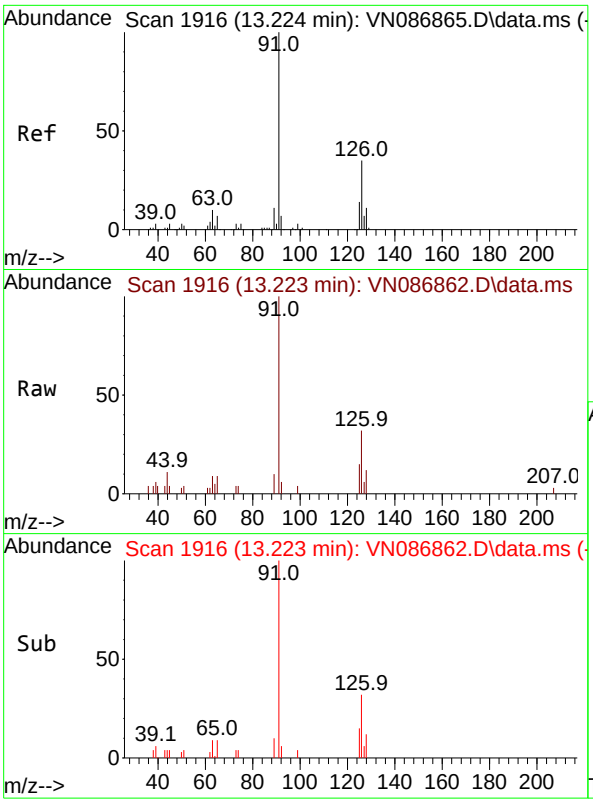


#81
trans-1,4-Dichloro-2-butene
Concen: 0.805 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 1392

Ion	Ratio	Lower	Upper
75	100		
53	93.8	66.6	99.8
89	46.6	36.7	55.1



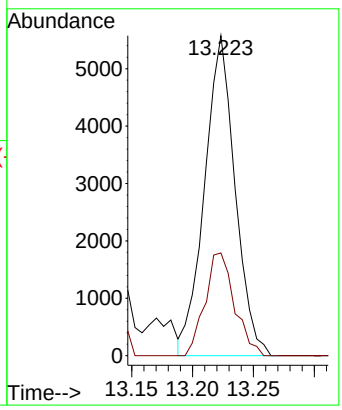


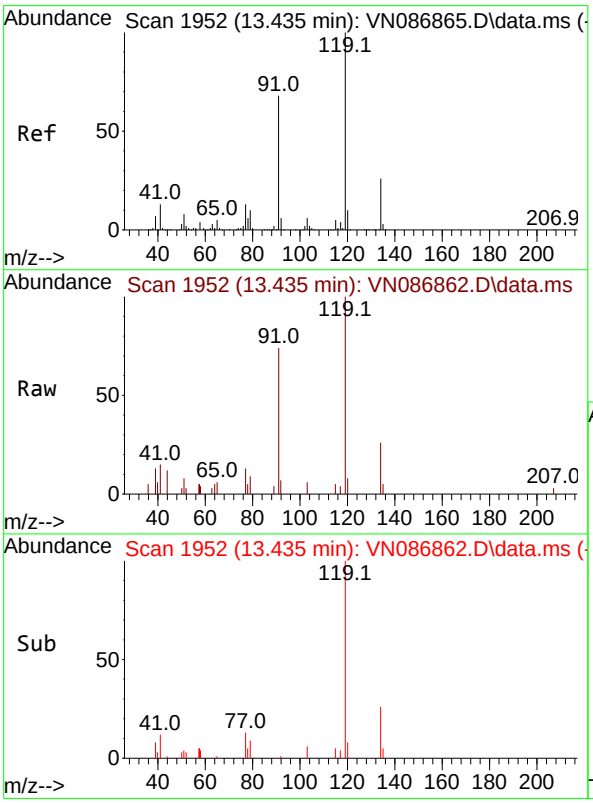
#82
4-Chlorotoluene
Concen: 1.079 ug/l
RT: 13.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9706

Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.7	50.1

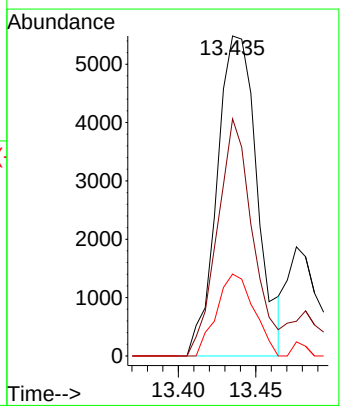


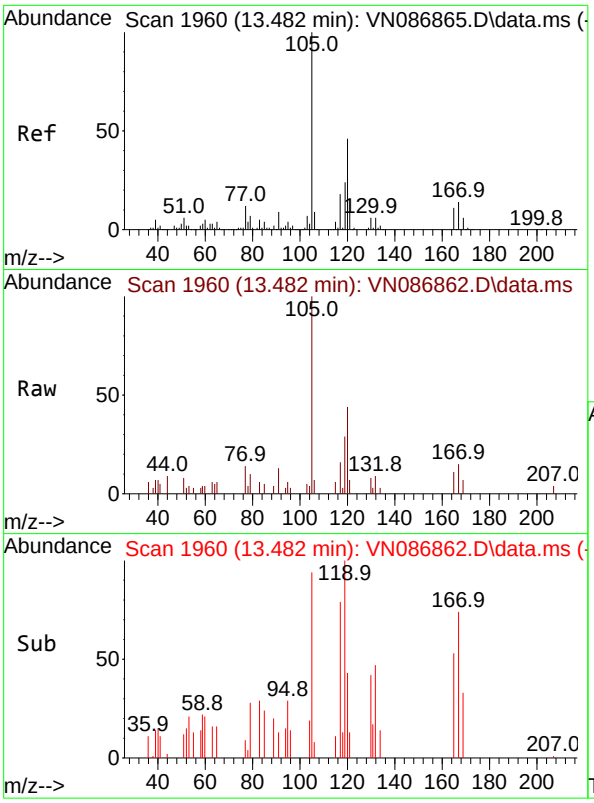


#83
tert-Butylbenzene
Concen: 1.069 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 9849

Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	23.9	13.4	40.1



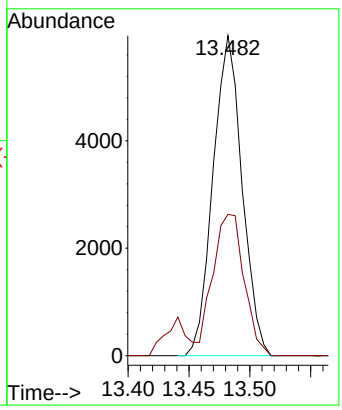


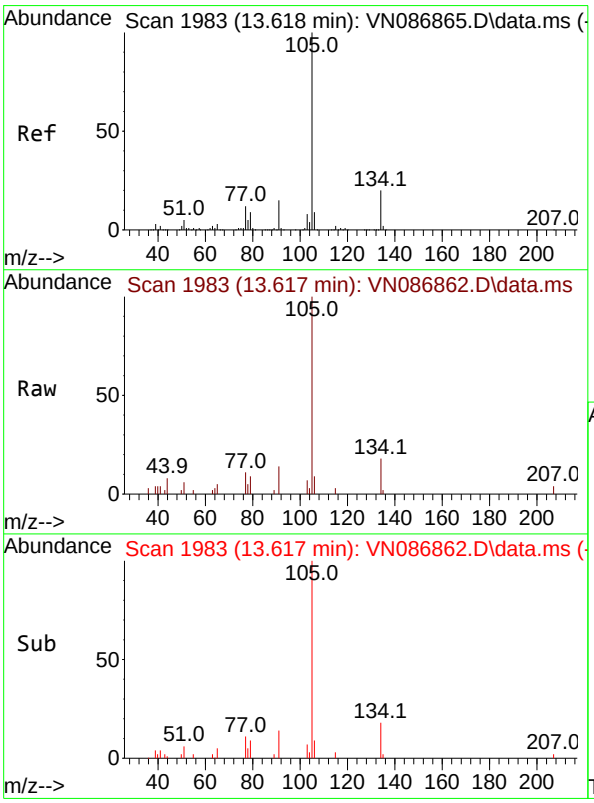
#84
1,2,4-Trimethylbenzene
Concen: 0.979 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 9882

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6

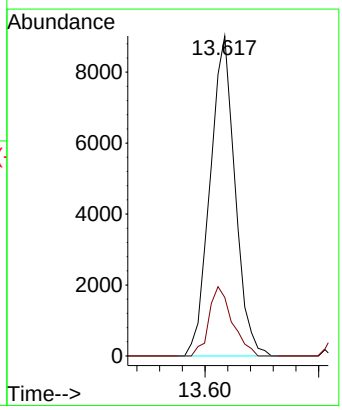


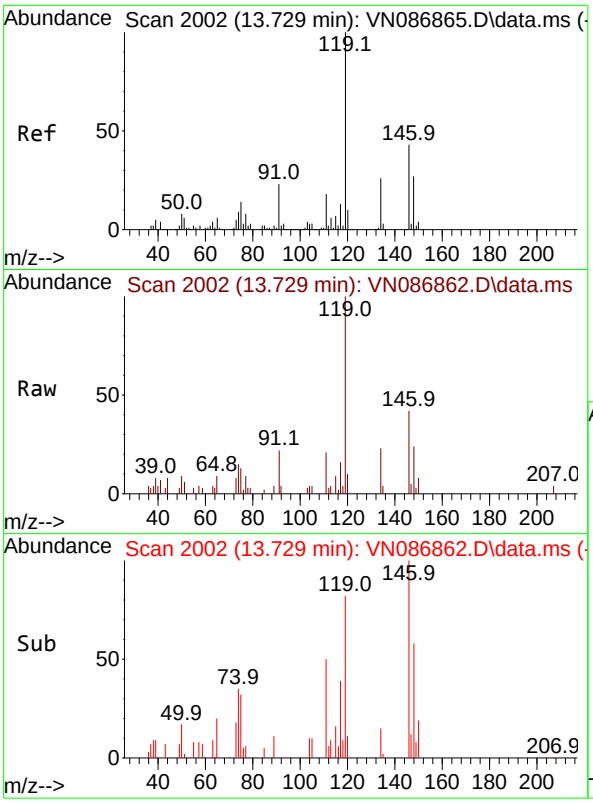


#85
sec-Butylbenzene
Concen: 1.029 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 13775

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



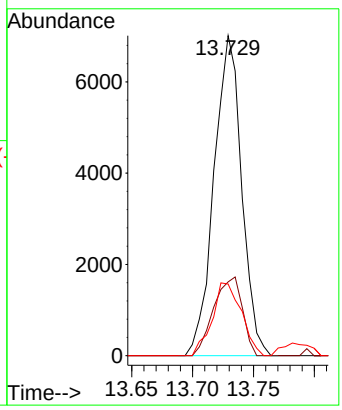


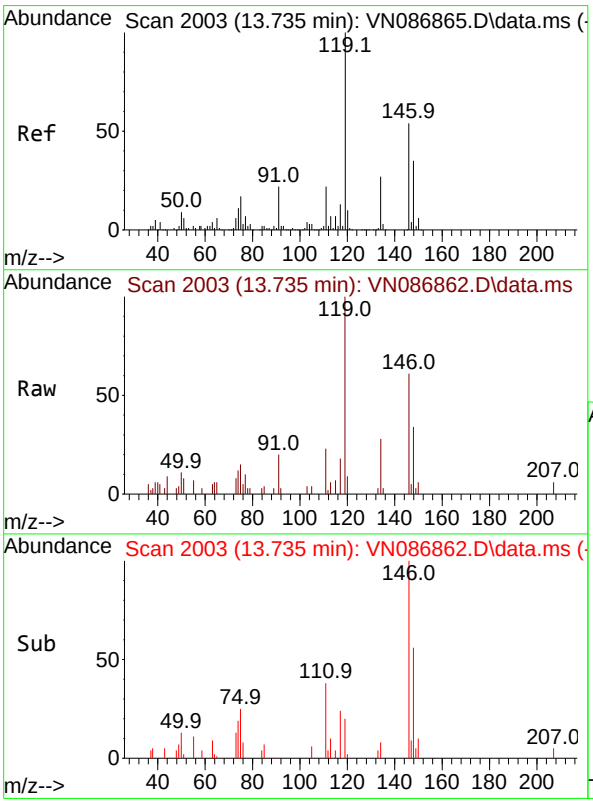
#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11065

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.5	40.4
91	24.1	11.5	34.4

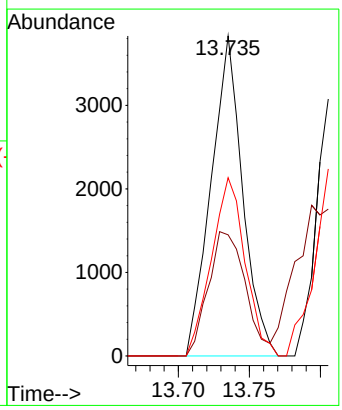


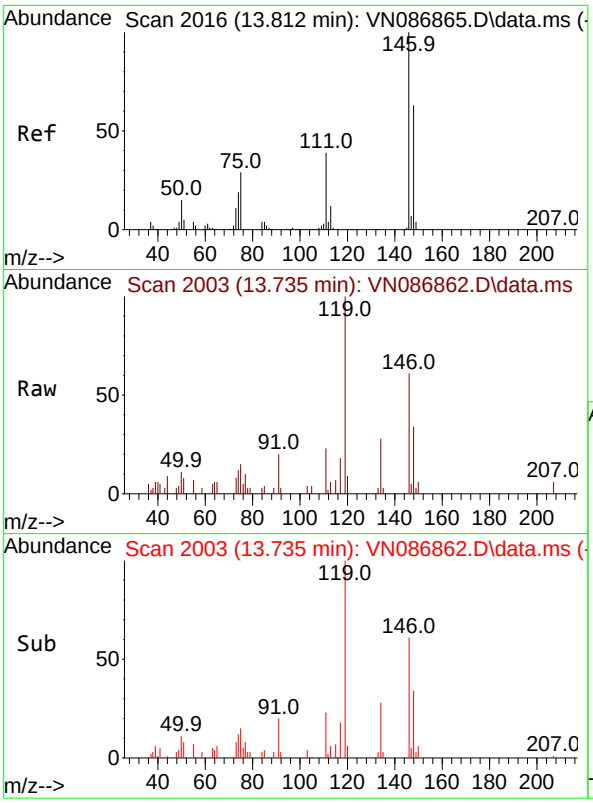


#87
1,3-Dichlorobenzene
Concen: 1.073 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 5903

Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.9	62.8
148	59.7	32.0	96.2



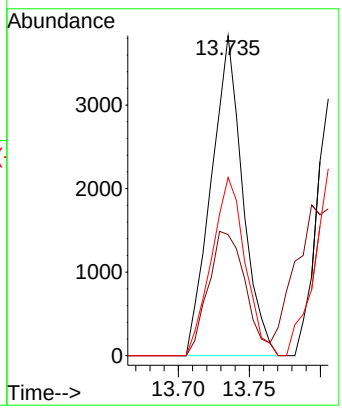


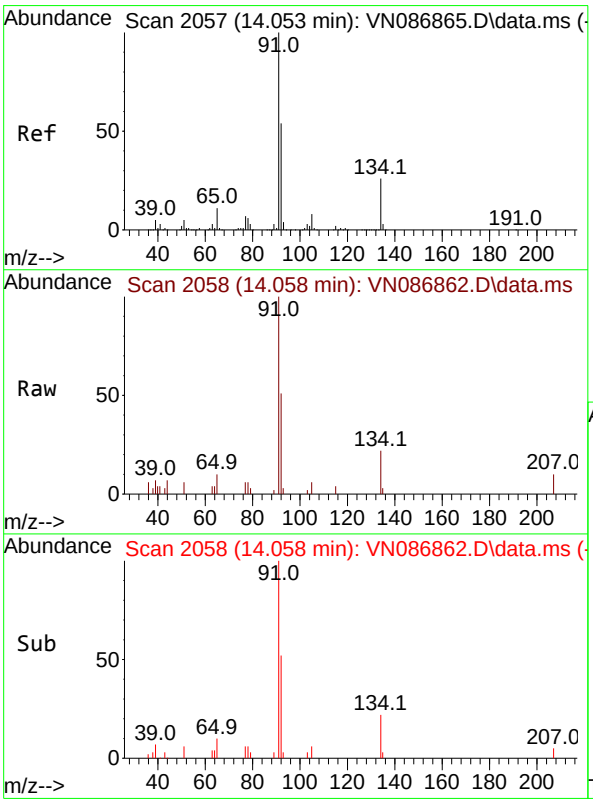
#88
1,4-Dichlorobenzene
Concen: 1.052 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.077 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5903

Ion	Ratio	Lower	Upper
146	100		
111	45.8	19.9	59.7
148	59.7	31.8	95.4

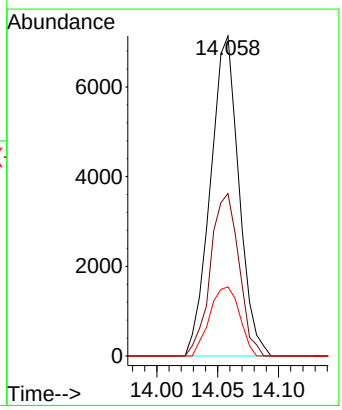


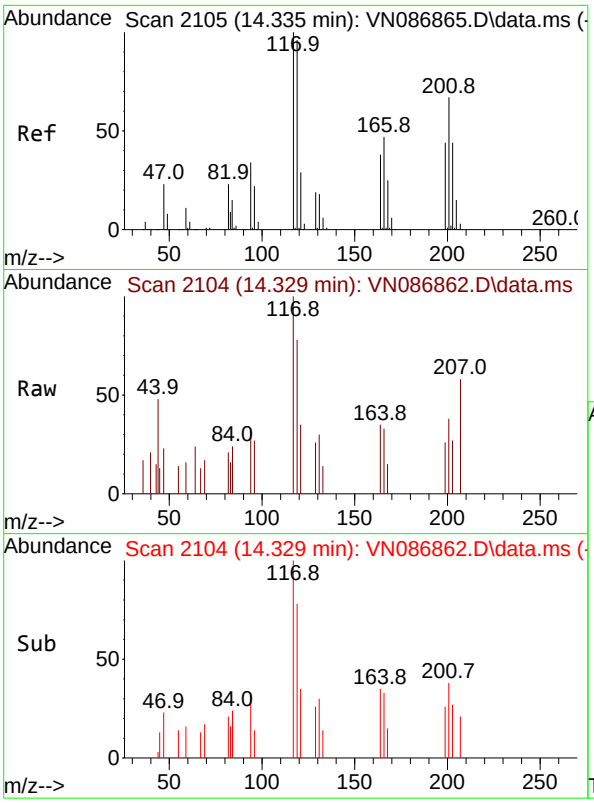


#89
n-Butylbenzene
Concen: 1.085 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 11627

Ion	Ratio	Lower	Upper
91	100		
92	50.8	27.5	82.4
134	22.6	13.0	39.0



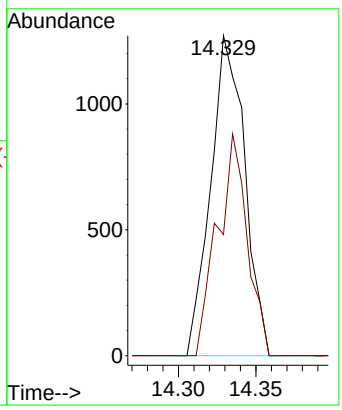


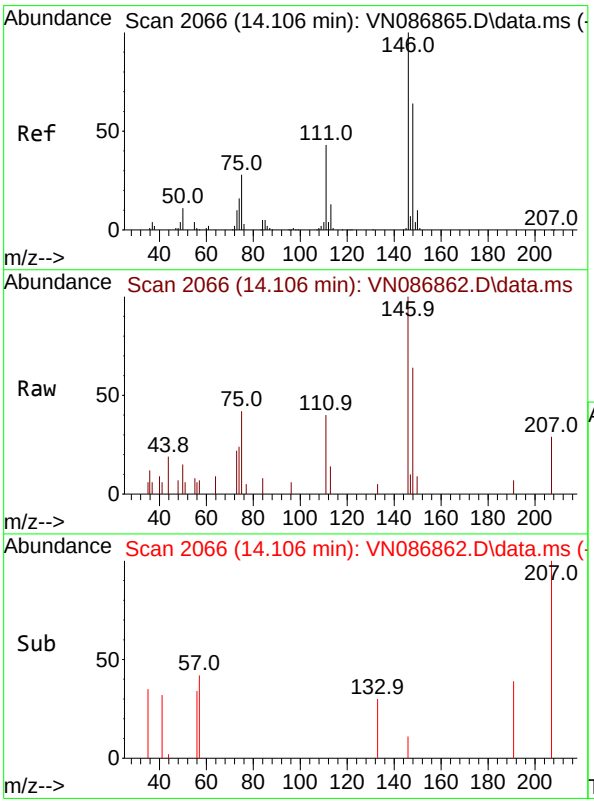
#90
Hexachloroethane
Concen: 1.036 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 1942

Ion	Ratio	Lower	Upper
117	100		
201	60.6	33.2	99.6

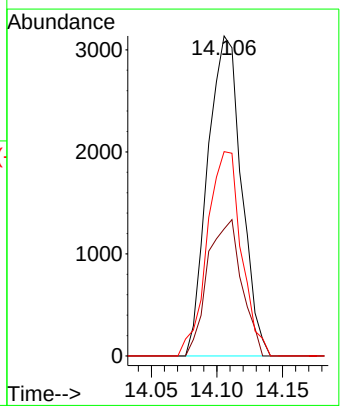


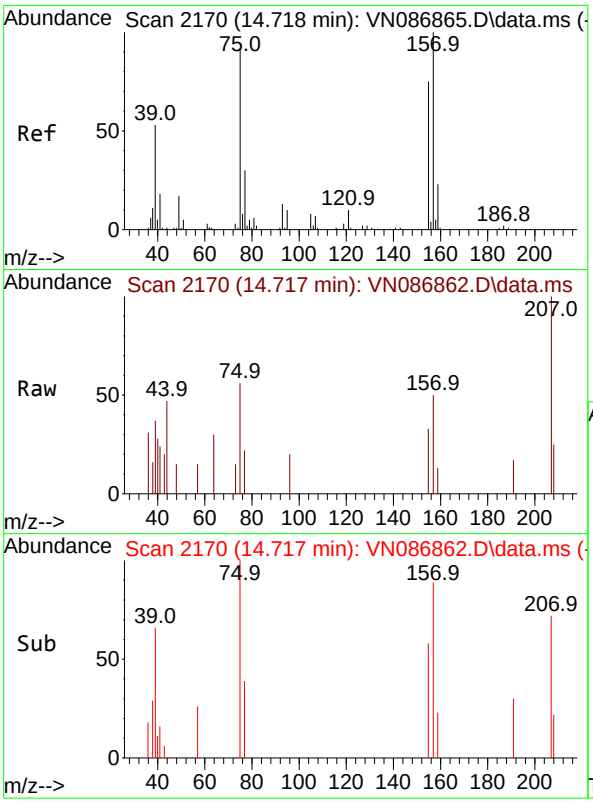


#91
1,2-Dichlorobenzene
Concen: 1.061 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 5607

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	64.7	31.7	95.1



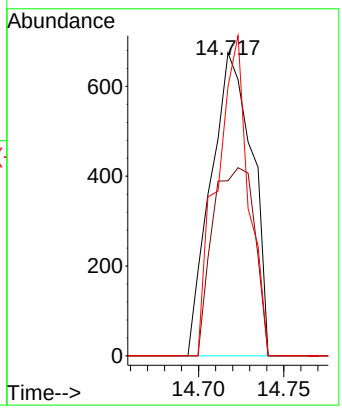


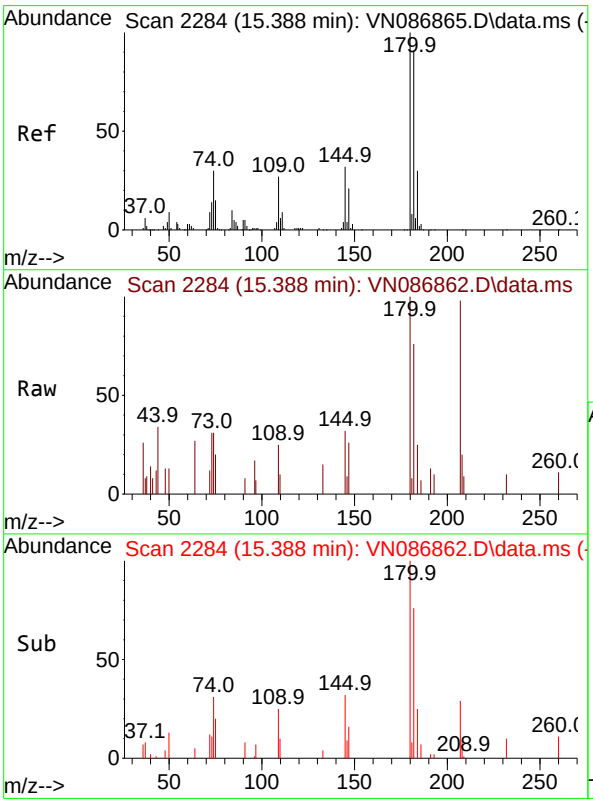
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.150 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1136

Ion	Ratio	Lower	Upper
75	100		
155	63.6	41.1	123.4
157	81.0	52.7	158.1

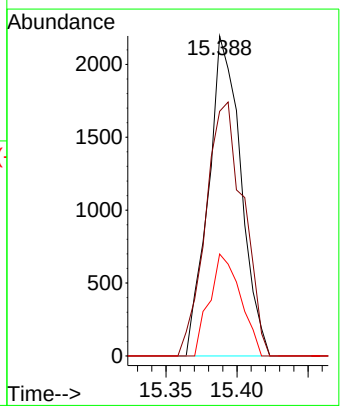


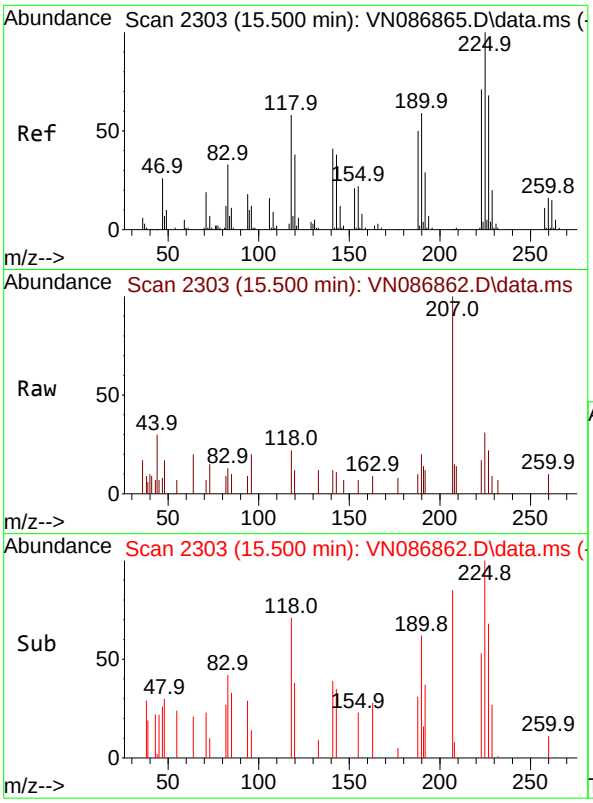


#93
1,2,4-Trichlorobenzene
Concen: 1.034 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 3489

Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.9	140.7
145	30.4	16.0	47.9



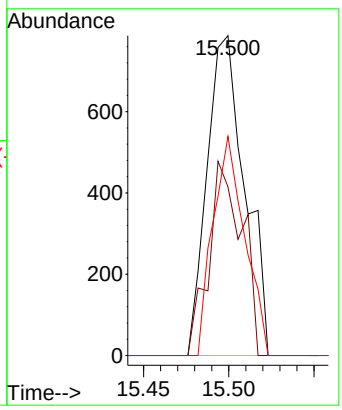


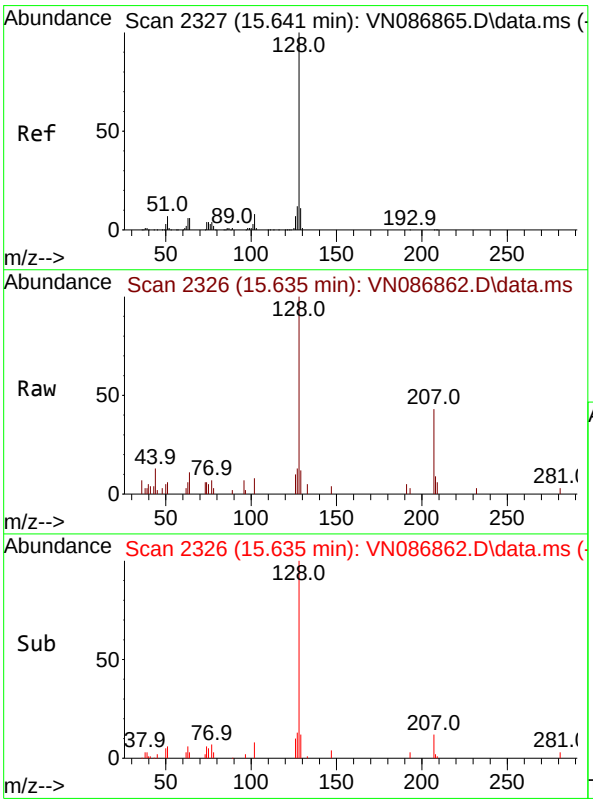
#94
Hexachlorobutadiene
Concen: 0.969 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:225 Resp: 1219

Ion	Ratio	Lower	Upper
225	100		
223	53.6	33.5	100.4
227	57.5	31.1	93.5

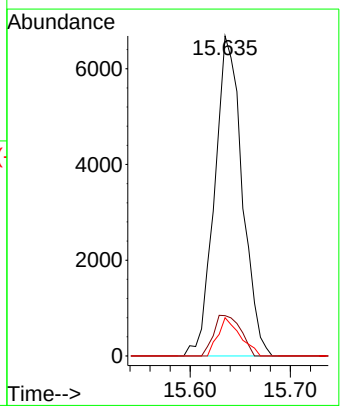


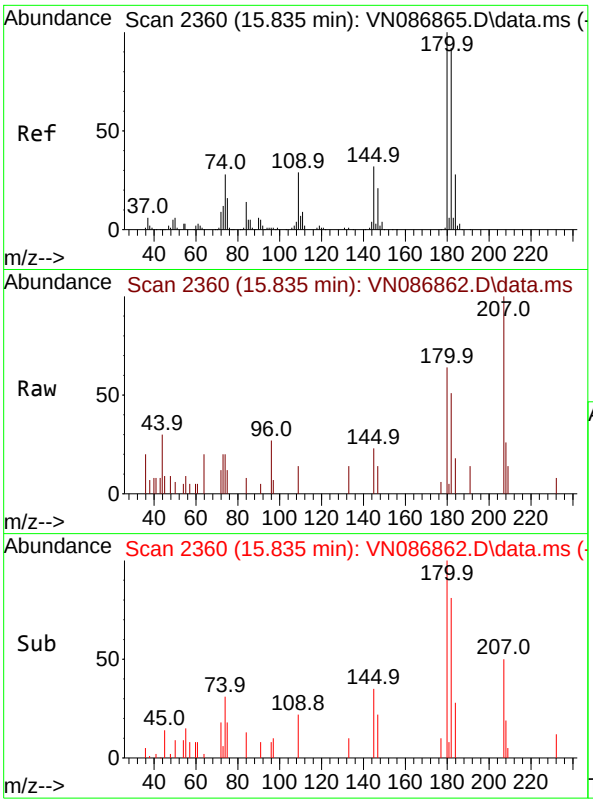


#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:128 Resp: 12789

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	9.5	8.8	13.2



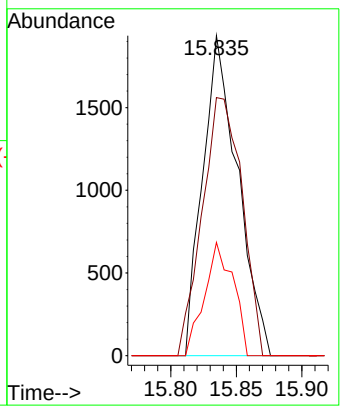


#96
1,2,3-Trichlorobenzene
Concen: 1.072 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3594

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.0	141.0
145	29.0	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	7051	1.611	ug/l	#	53
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	31004	7.181	ug/l		74
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

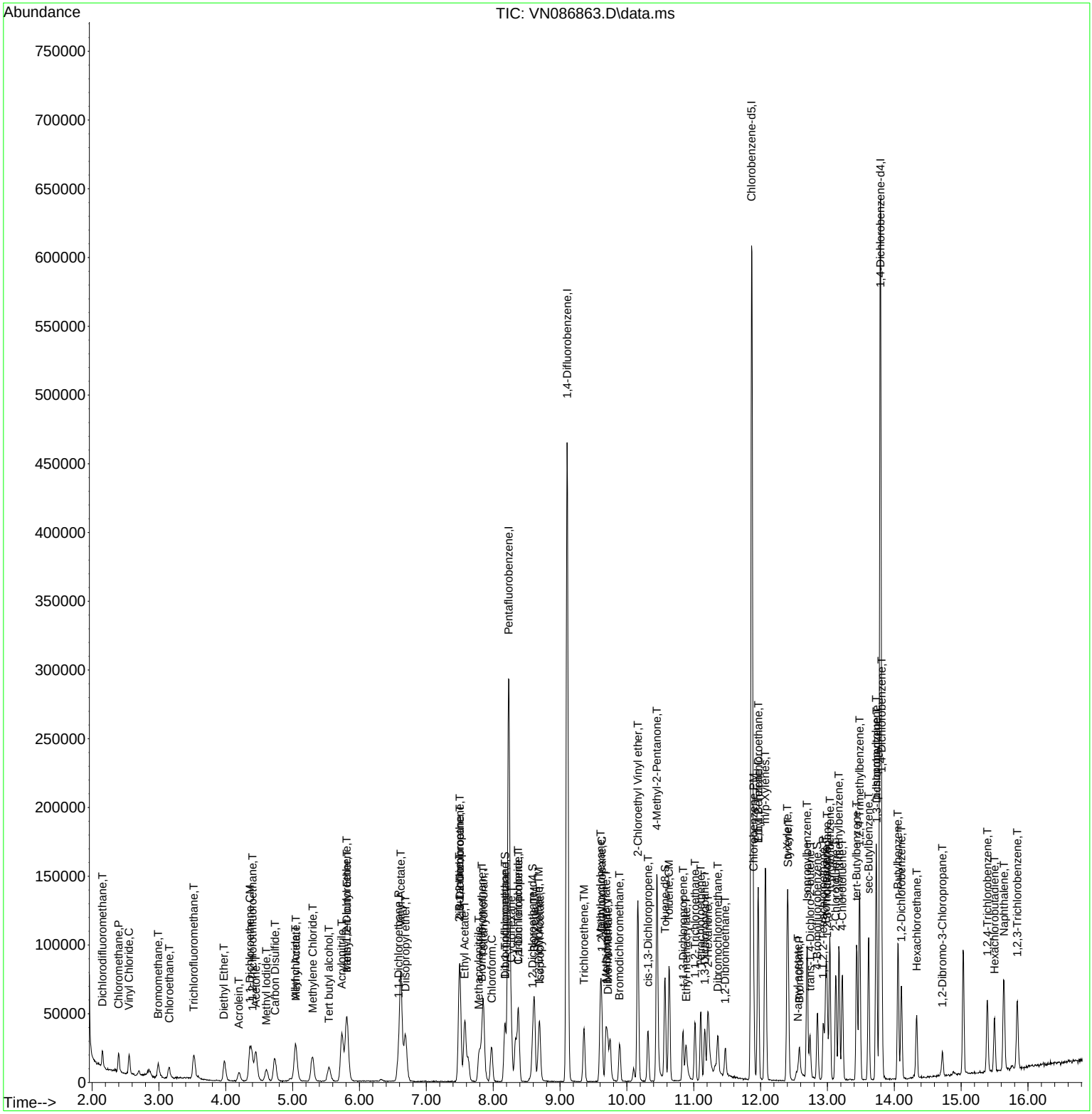
(#) = qualifier out of range (m) = manual integration (+) = signals summed

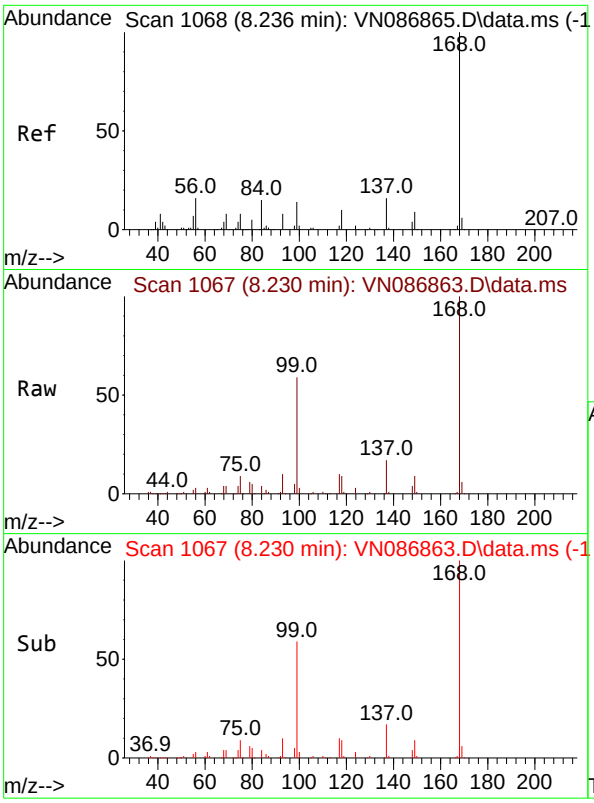
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



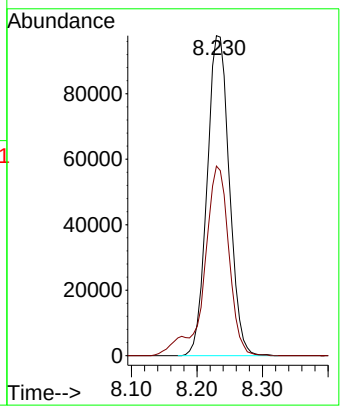


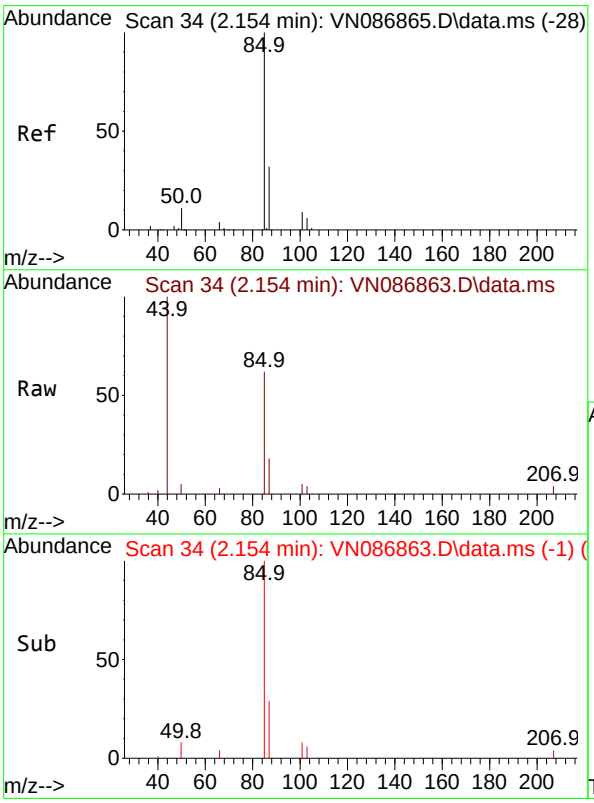
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 229701

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7

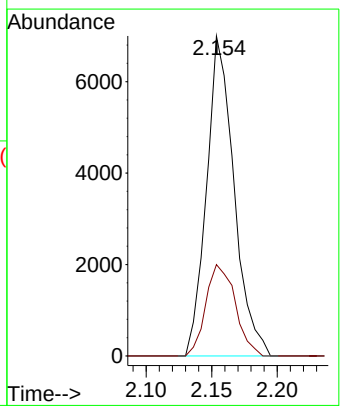


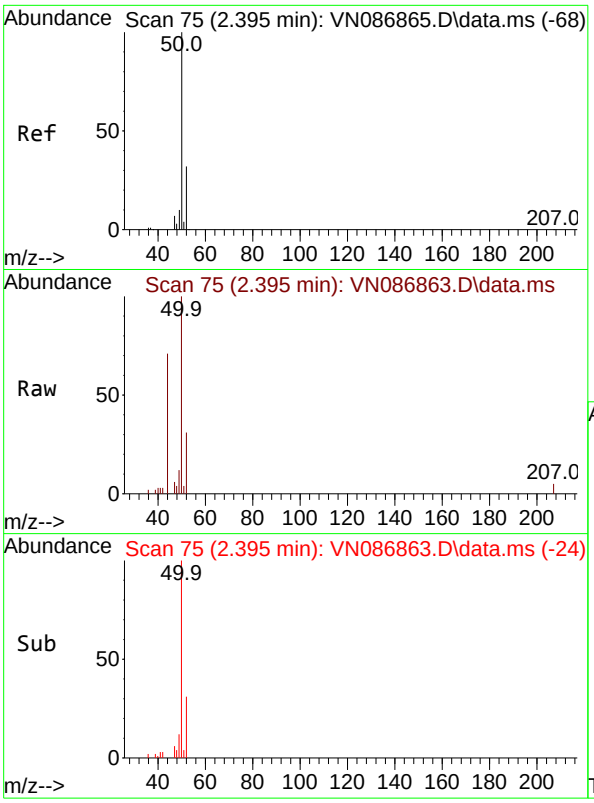


#2
Dichlorodifluoromethane
Concen: 4.452 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 85 Resp: 10196

Ion	Ratio	Lower	Upper
85	100		
87	28.6	16.2	48.6



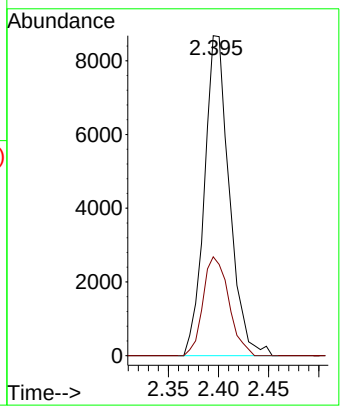


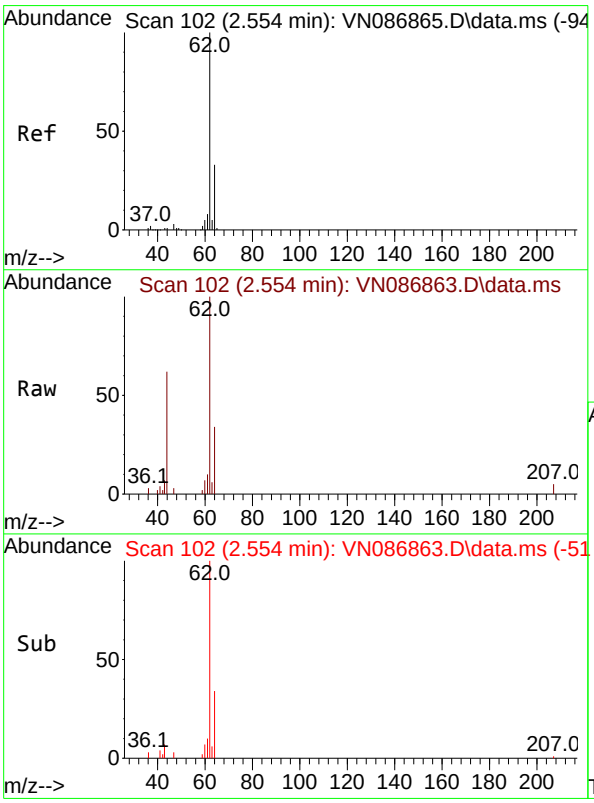
#3
Chloromethane
Concen: 5.080 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 15025

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5

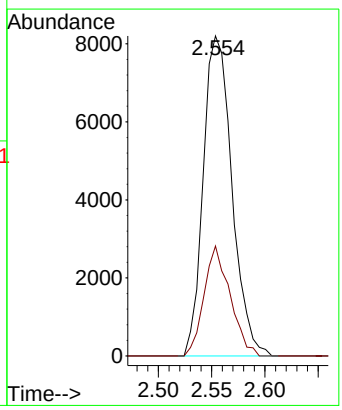


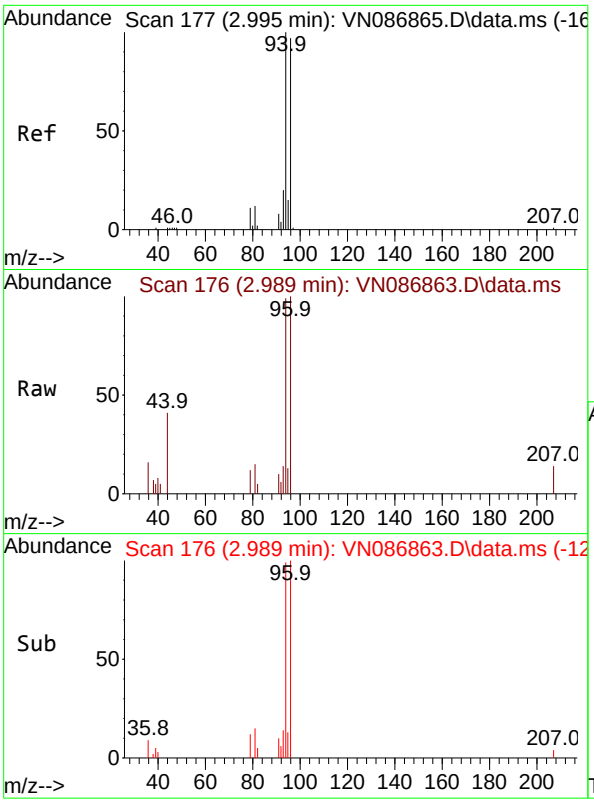


#4
Vinyl Chloride
Concen: 5.043 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.0	39.0



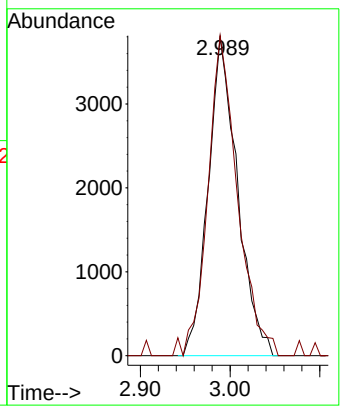


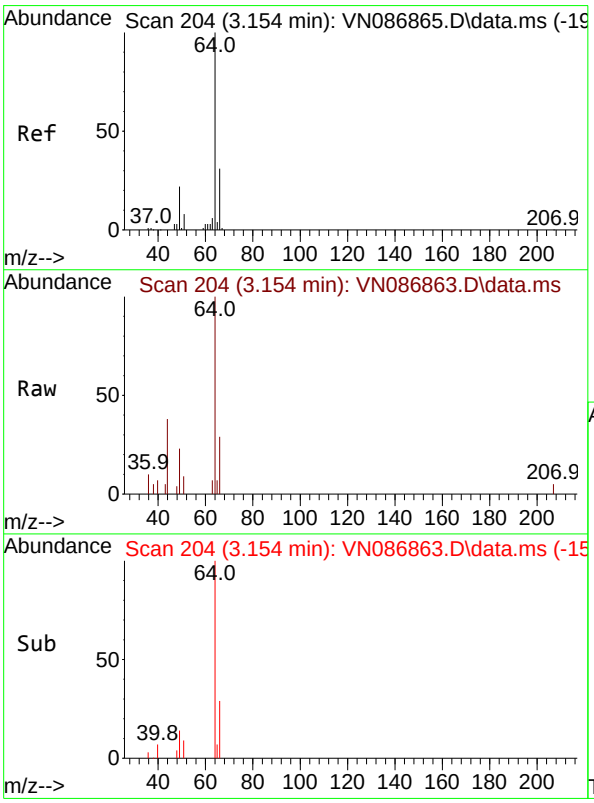
#5
Bromomethane
Concen: 5.041 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8606

Ion	Ratio	Lower	Upper
94	100		
96	100.6	77.9	116.9

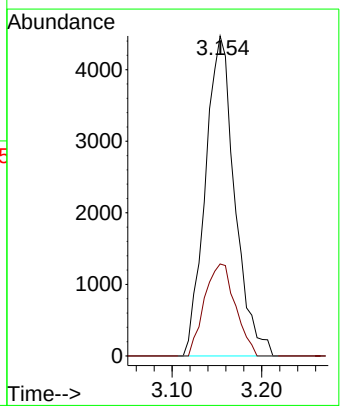


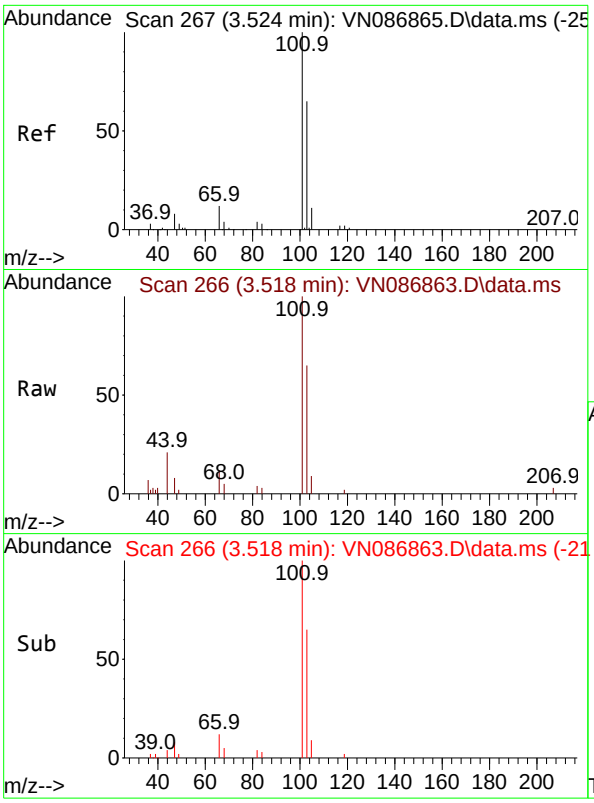


#6
Chloroethane
Concen: 5.171 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 64 Resp: 10190

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.6	36.8



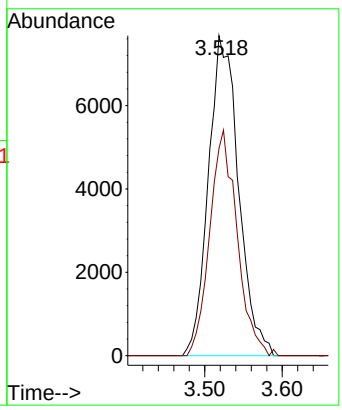


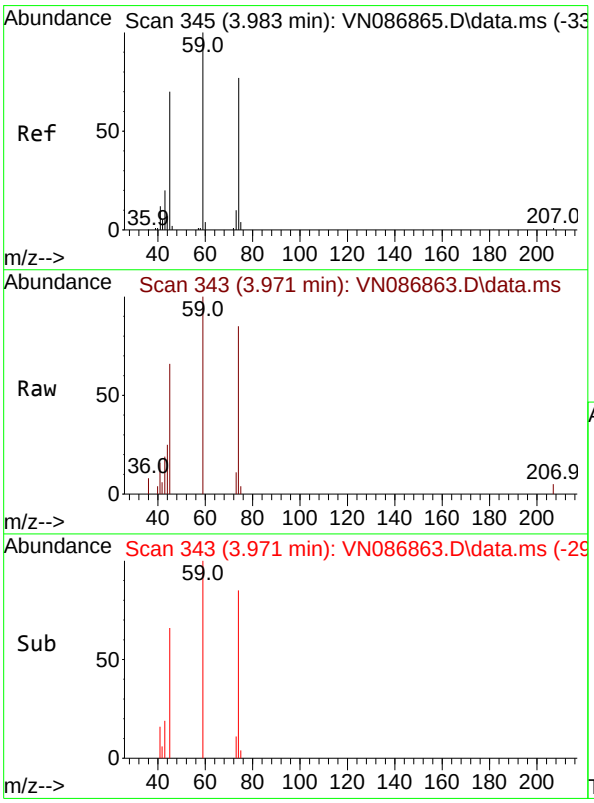
#7
Trichlorofluoromethane
Concen: 5.203 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20740

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

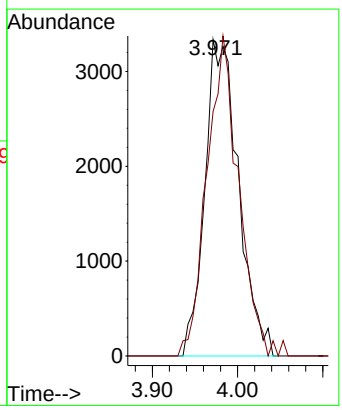


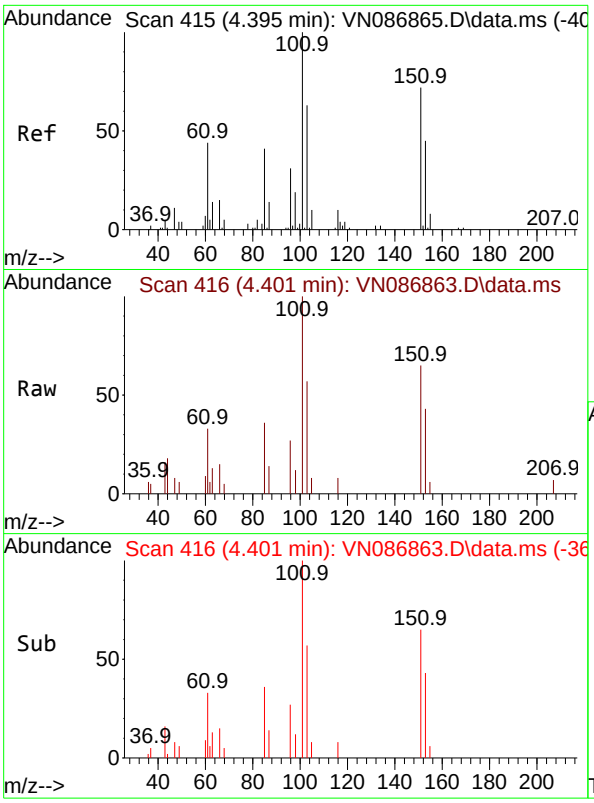


#8
Diethyl Ether
Concen: 5.252 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 74 Resp: 9121

Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.5	136.5



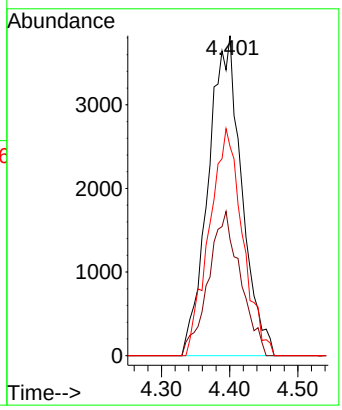


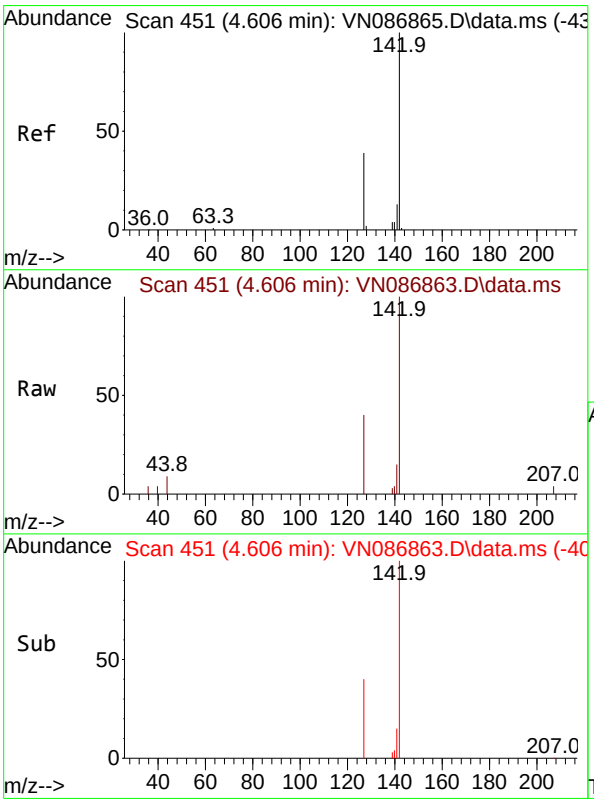
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.205 ug/l
RT: 4.401 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 13034

Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.8	50.8
151	70.8	58.7	88.1

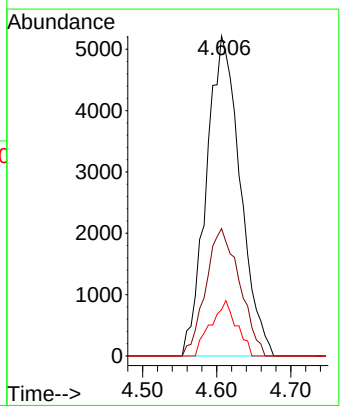


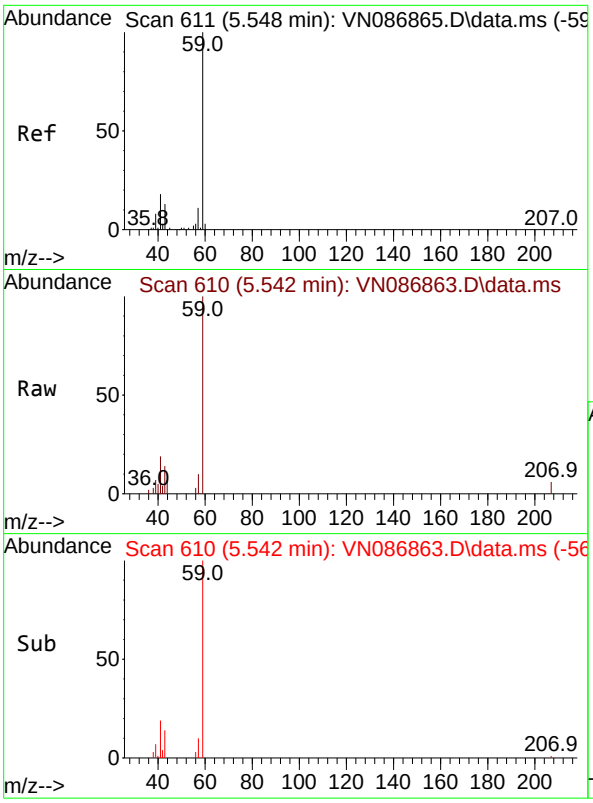


#10
Methyl Iodide
Concen: 5.092 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:142 Resp: 16530

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.5	10.4	15.6



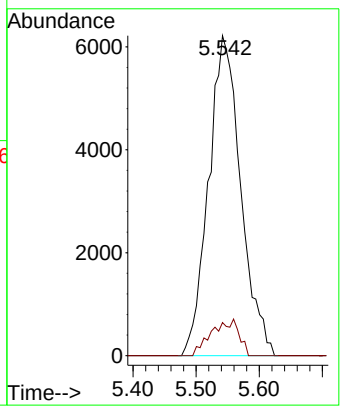


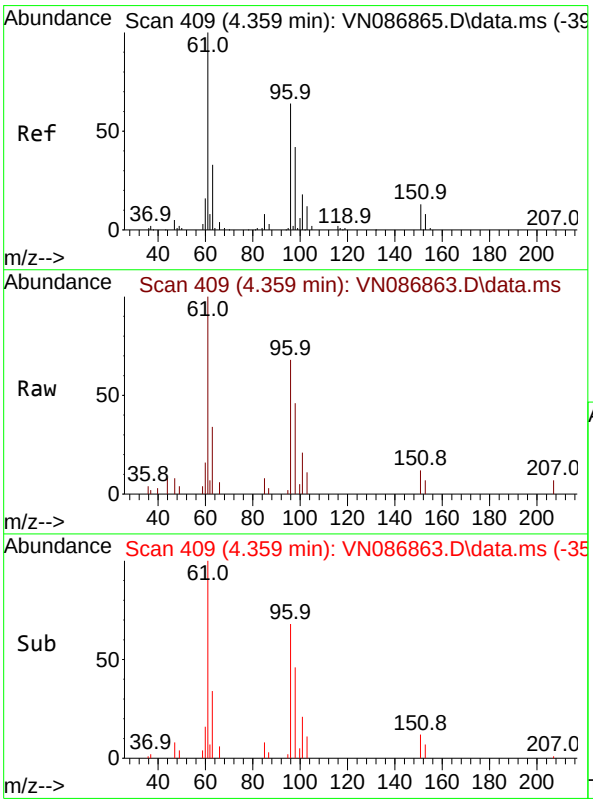
#11
Tert butyl alcohol
Concen: 26.363 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 22000

Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

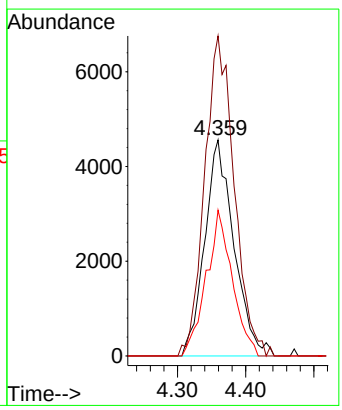


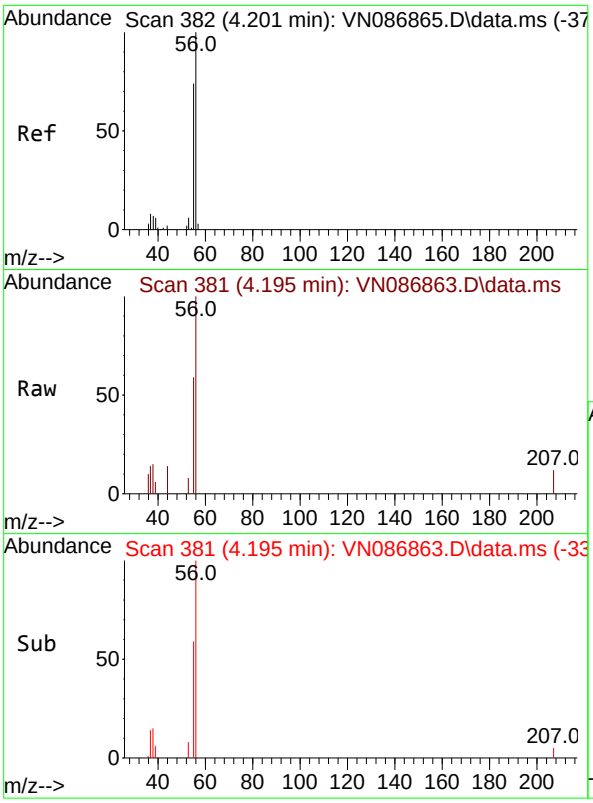


#12
1,1-Dichloroethene
Concen: 5.323 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 13610

Ion	Ratio	Lower	Upper
96	100		
61	148.1	125.8	188.6
98	67.5	52.5	78.7



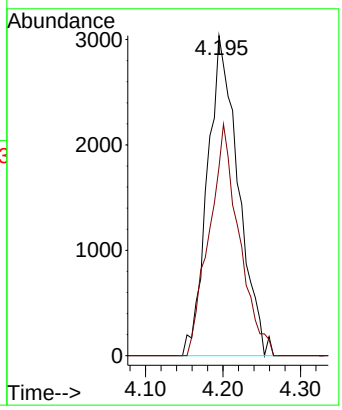


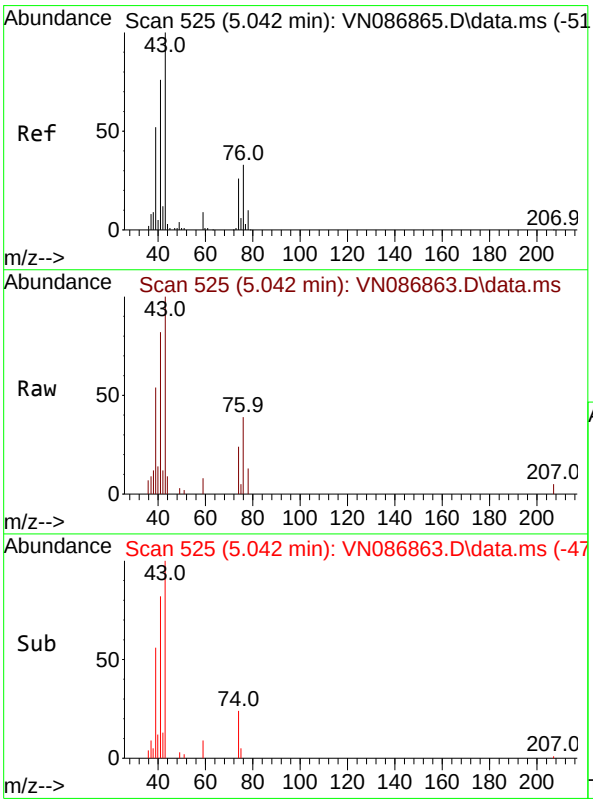
#13
Acrolein
Concen: 31.804 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8401

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.6	83.4

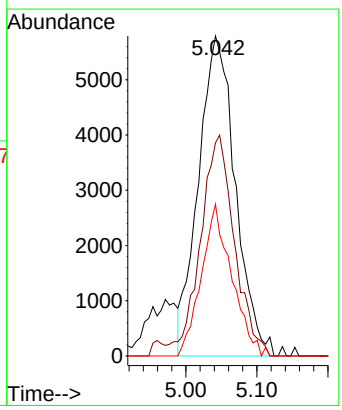


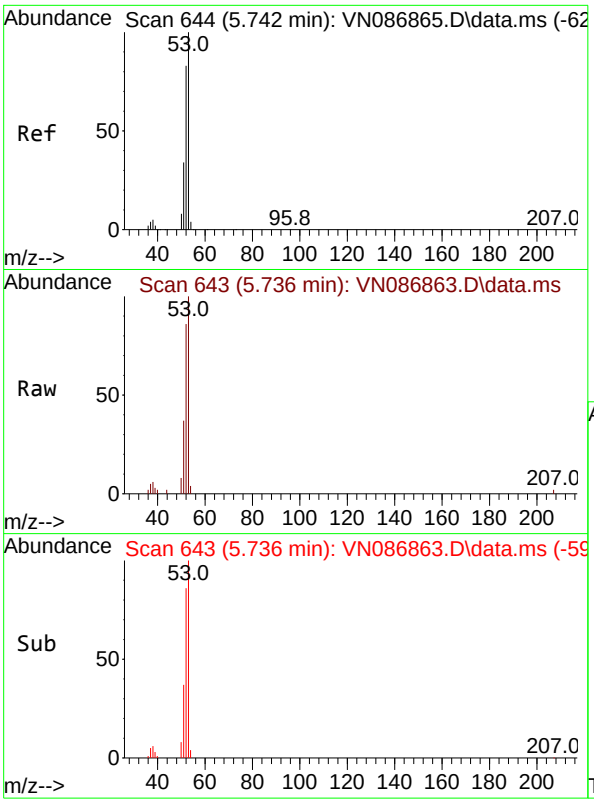


#14
Allyl chloride
Concen: 4.935 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 20925

Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.3	76.9
76	39.0	31.4	47.0



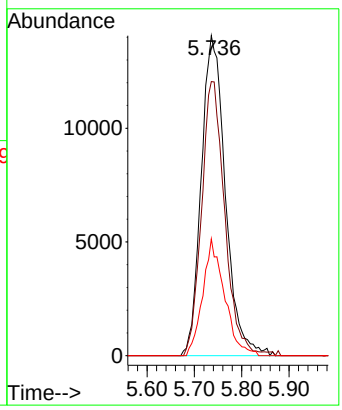


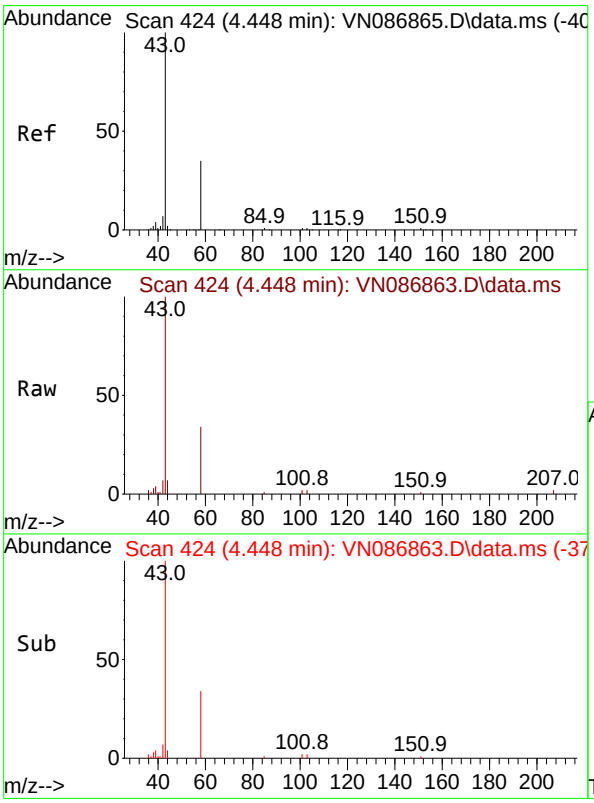
#15
Acrylonitrile
Concen: 25.545 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 49826

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	32.9	27.2	40.8

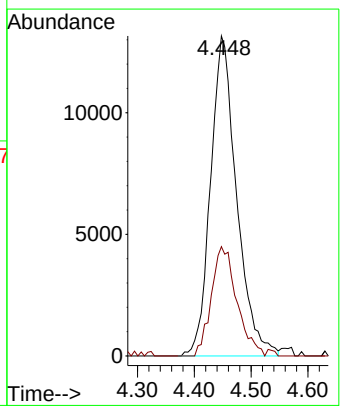


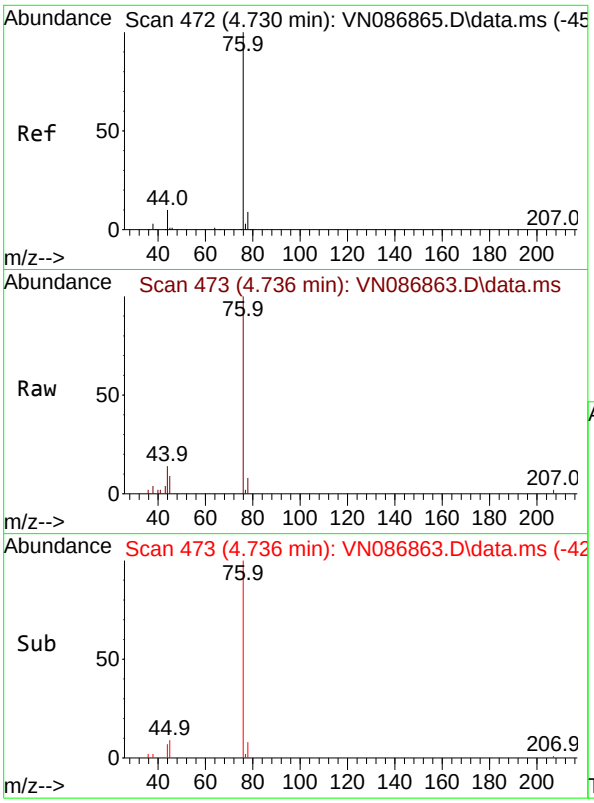


#16
Acetone
Concen: 25.741 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 41981

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.0	42.0



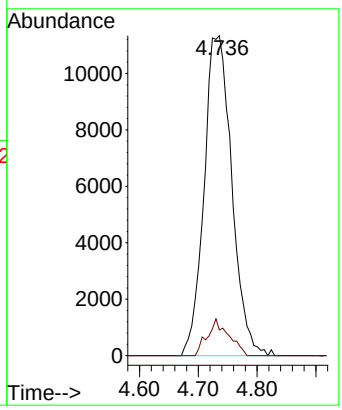


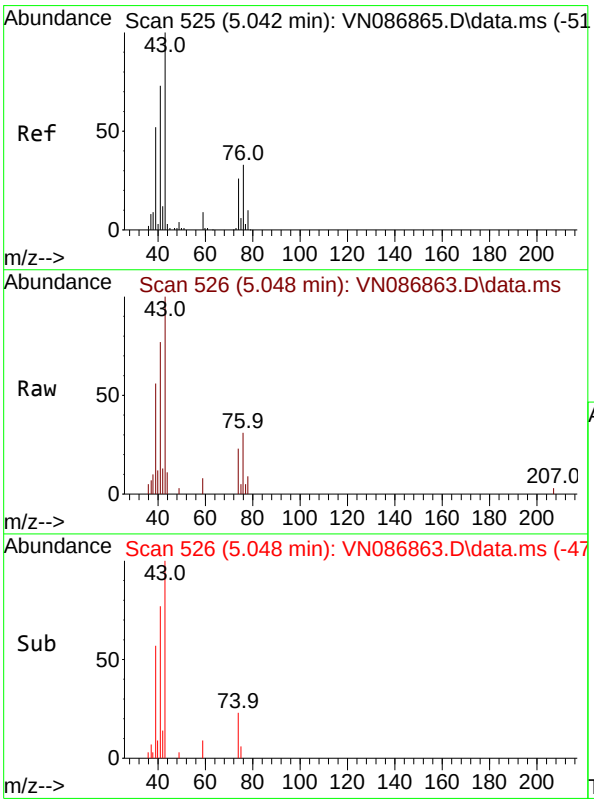
#17
Carbon Disulfide
Concen: 5.267 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 37246

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

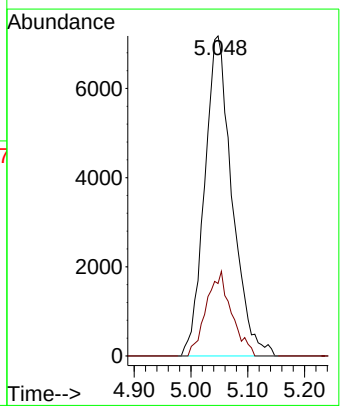


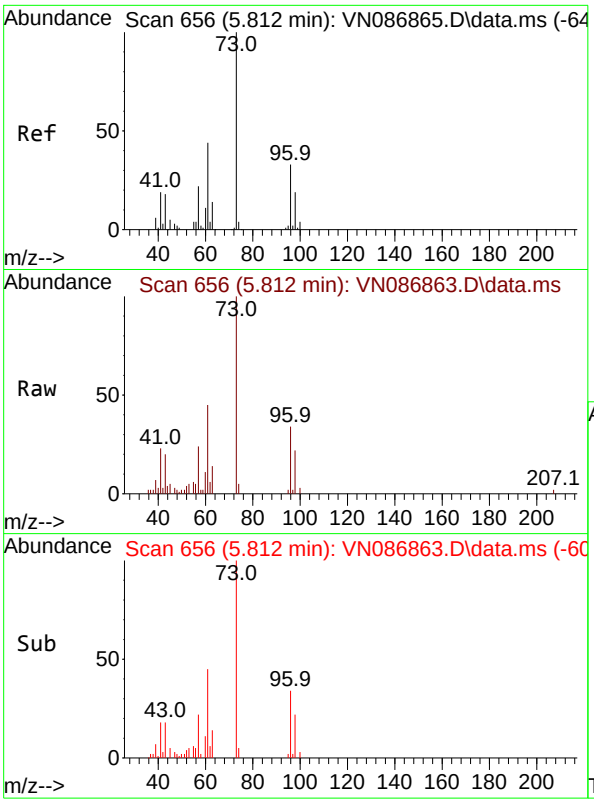


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 24096

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.7	31.1



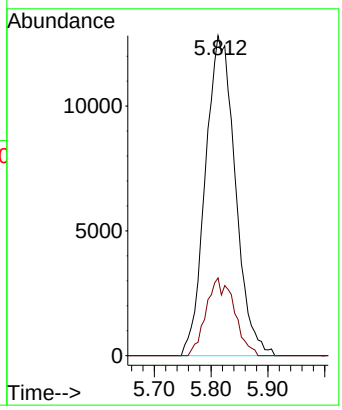


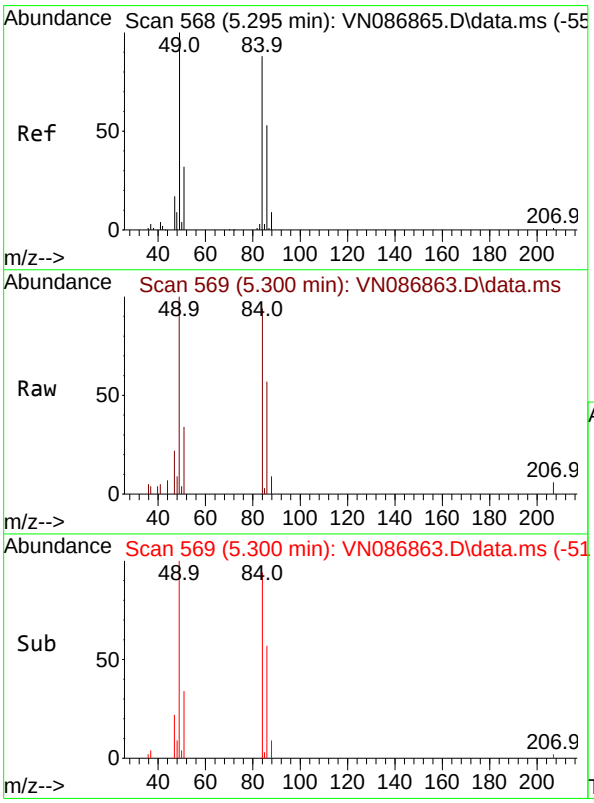
#19
Methyl tert-butyl Ether
Concen: 5.058 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 46823

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.2

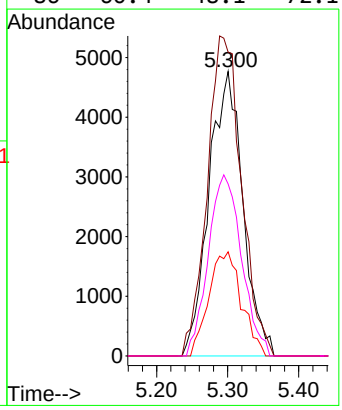


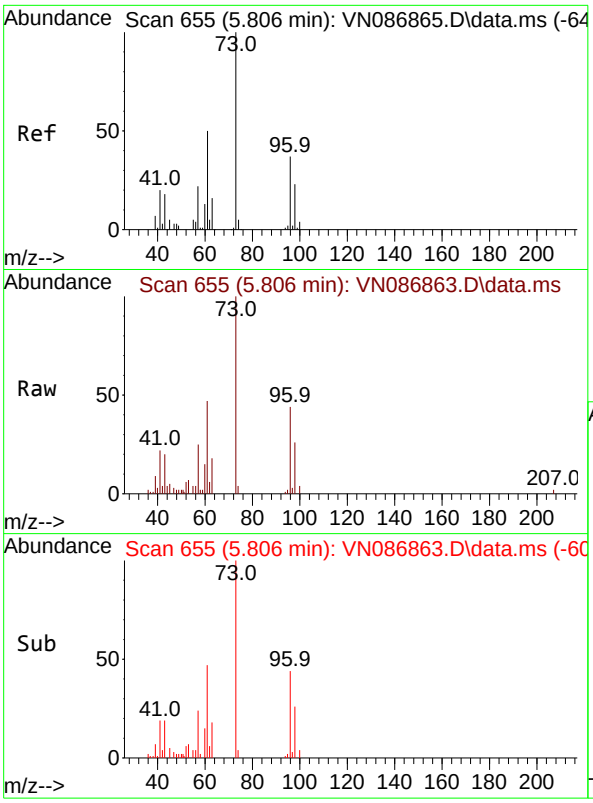


#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 84 Resp: 15809

Ion	Ratio	Lower	Upper
84	100		
49	106.8	90.5	135.7
51	36.6	28.5	42.7
86	60.4	48.1	72.1



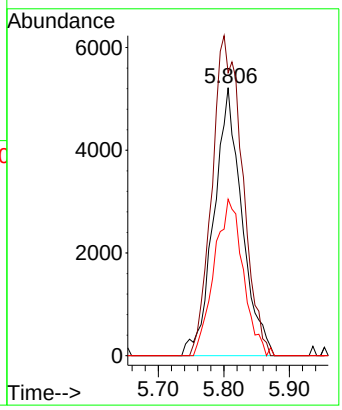


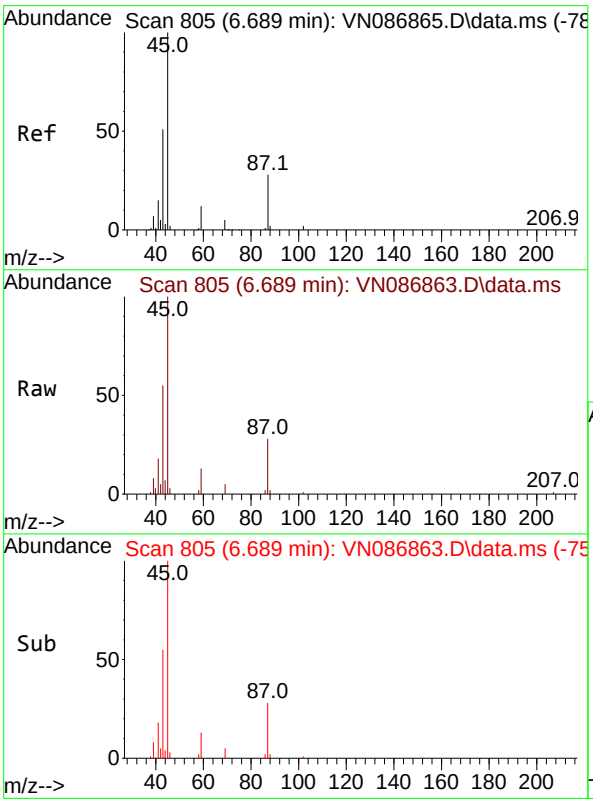
#21
trans-1,2-Dichloroethene
Concen: 5.442 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15480

Ion	Ratio	Lower	Upper
96	100		
61	105.6	109.2	163.8#
98	58.4	49.8	74.8

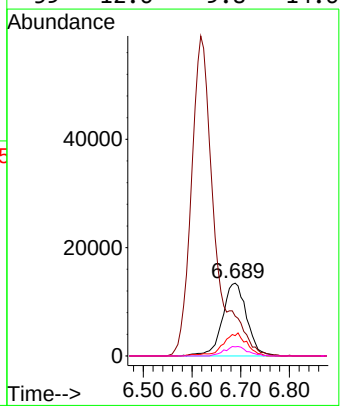


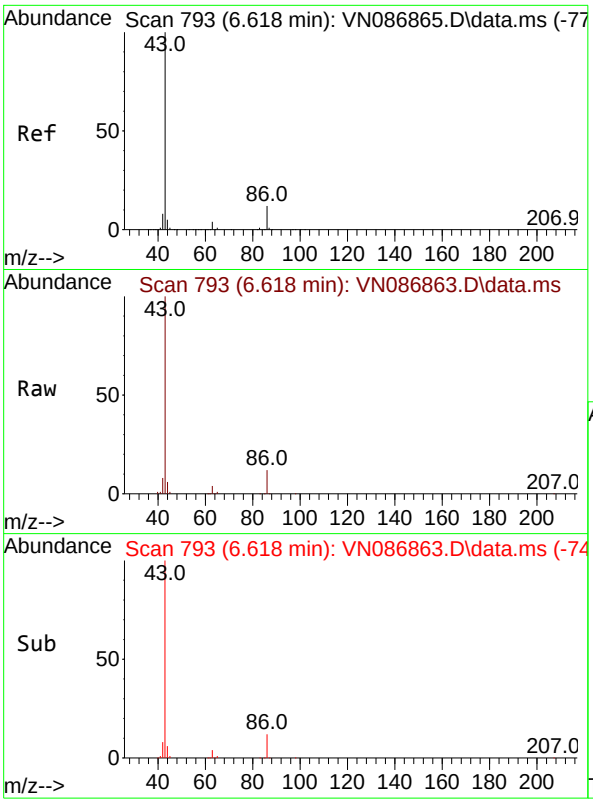


#22
Diisopropyl ether
Concen: 5.191 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 45 Resp: 46396

Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.9	62.9
87	27.9	22.4	33.6
59	12.6	9.8	14.6



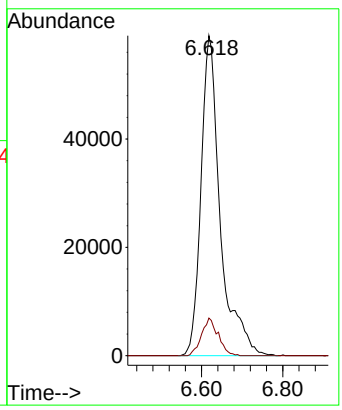


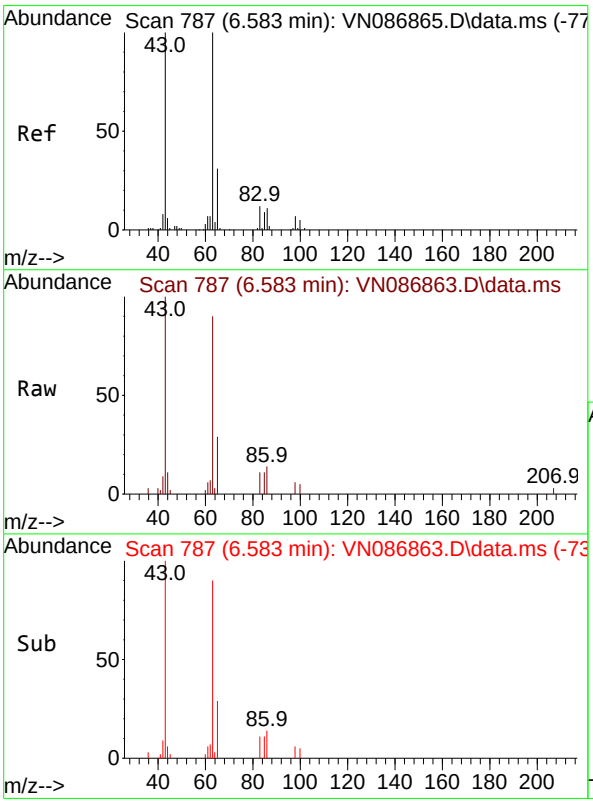
#23
Vinyl Acetate
Concen: 25.735 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 194334

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.5	14.3

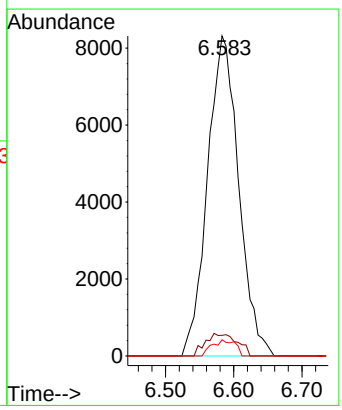


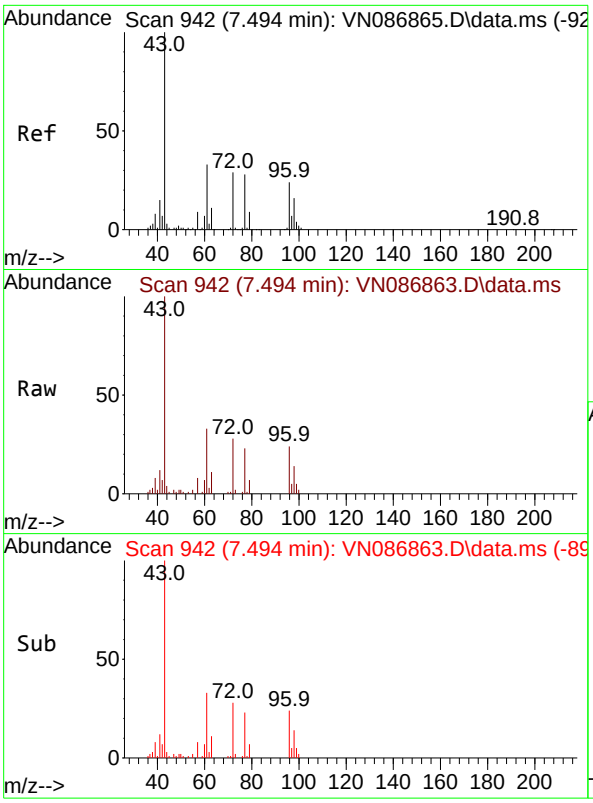


#24
1,1-Dichloroethane
Concen: 5.147 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 26473

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	5.1	2.6	7.8



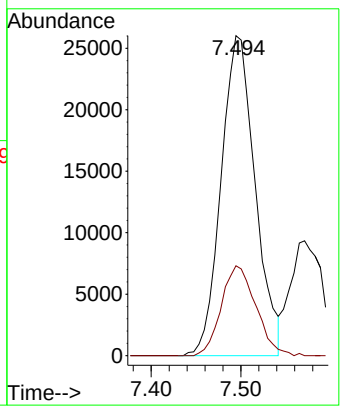


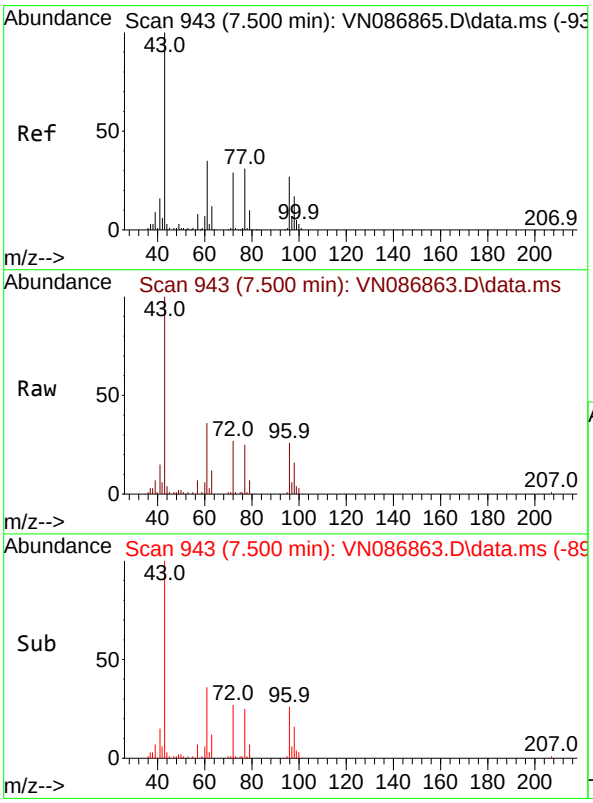
#25
2-Butanone
Concen: 25.888 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 68629

Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6

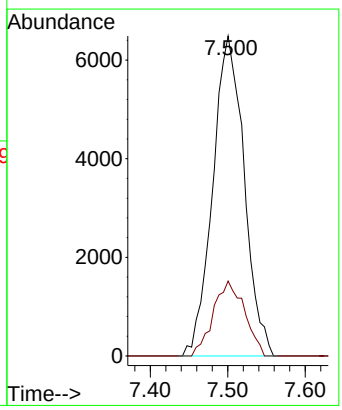


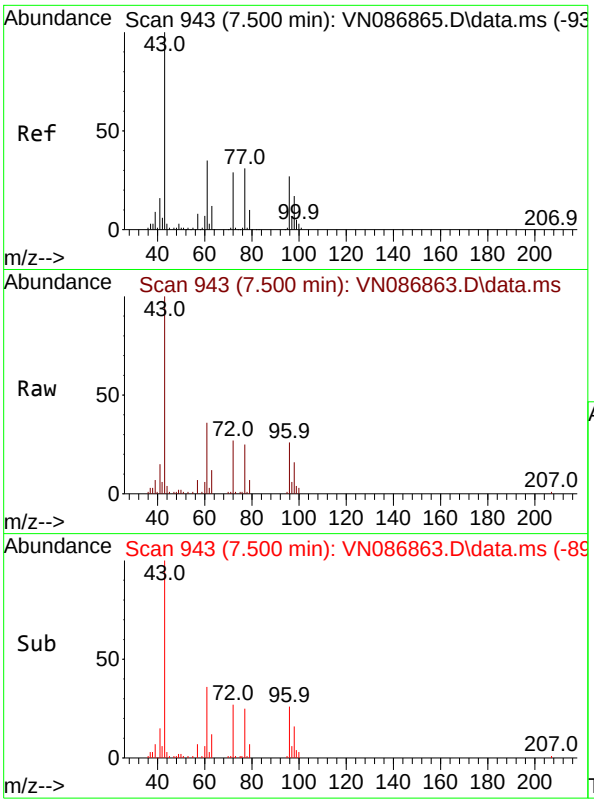


#26
2,2-Dichloropropane
Concen: 4.571 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 77 Resp: 18288

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7



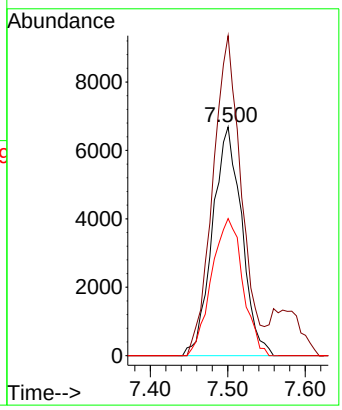


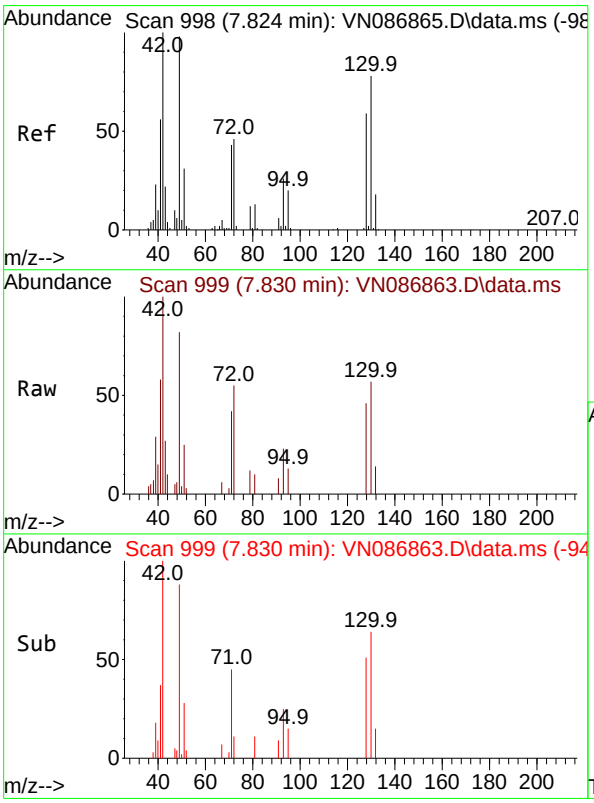
#27
cis-1,2-Dichloroethene
Concen: 5.172 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17594

Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	278.0
98	64.0	0.0	128.2

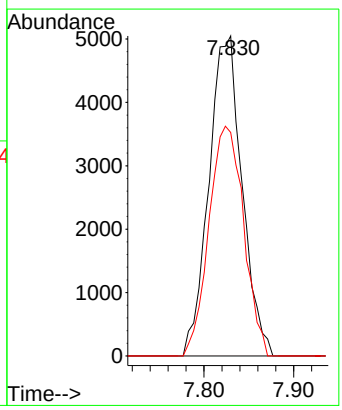


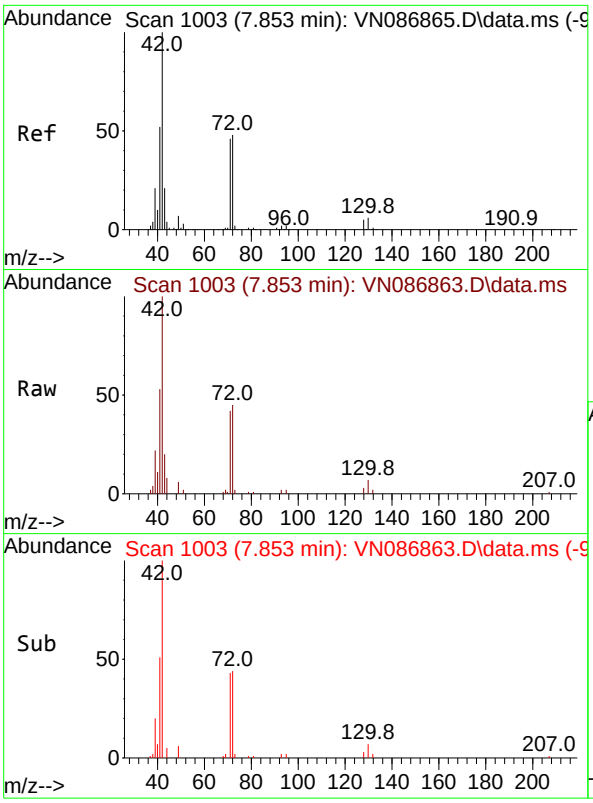


#28
Bromochloromethane
Concen: 5.124 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 49 Resp: 12958

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	75.2	62.2	93.2



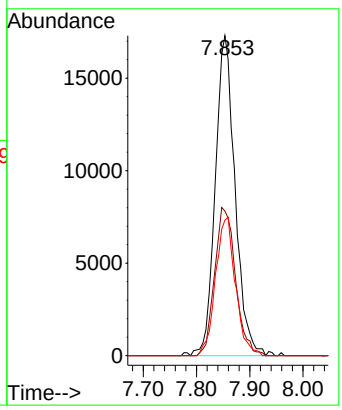


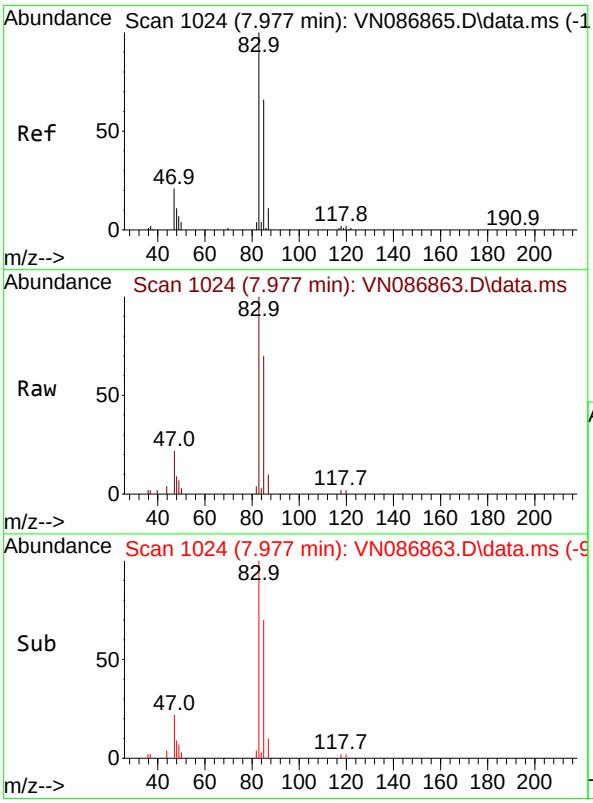
#29
Tetrahydrofuran
Concen: 25.912 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 44749

Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.8	56.6
71	43.5	35.6	53.4

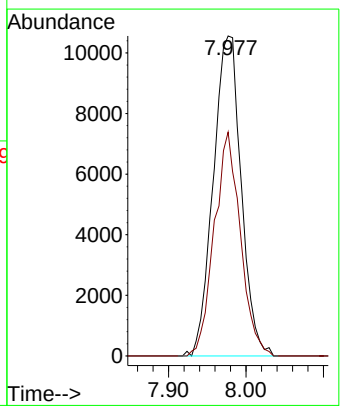


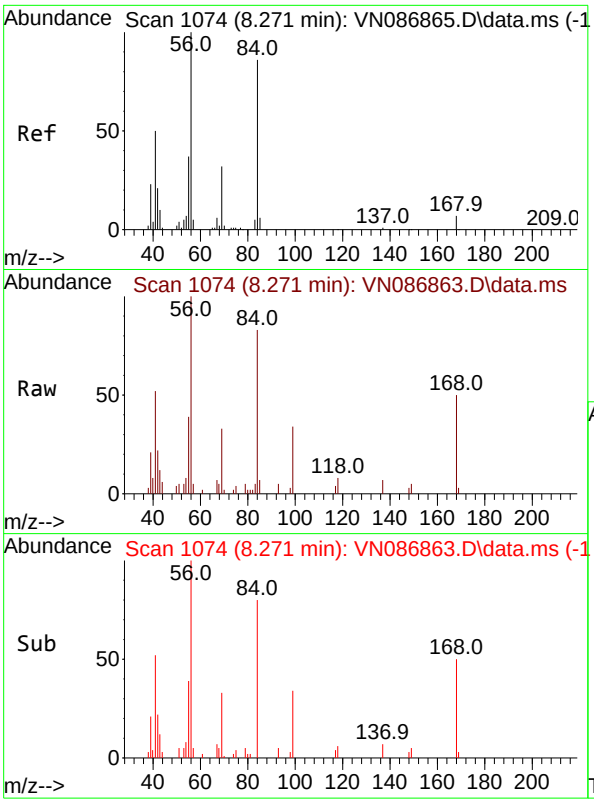


#30
Chloroform
Concen: 5.149 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 26450

Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.9	79.3



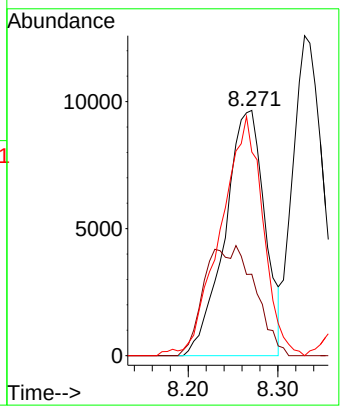


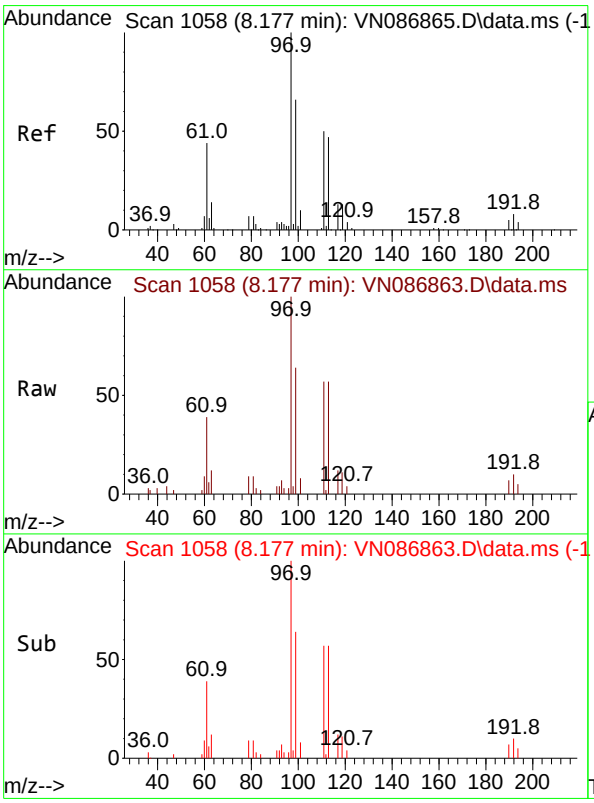
#31
Cyclohexane
Concen: 6.002 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 29938

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	81.1	68.8	103.2

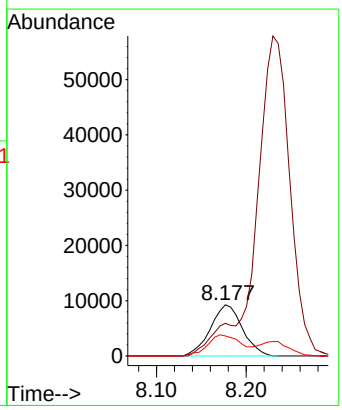


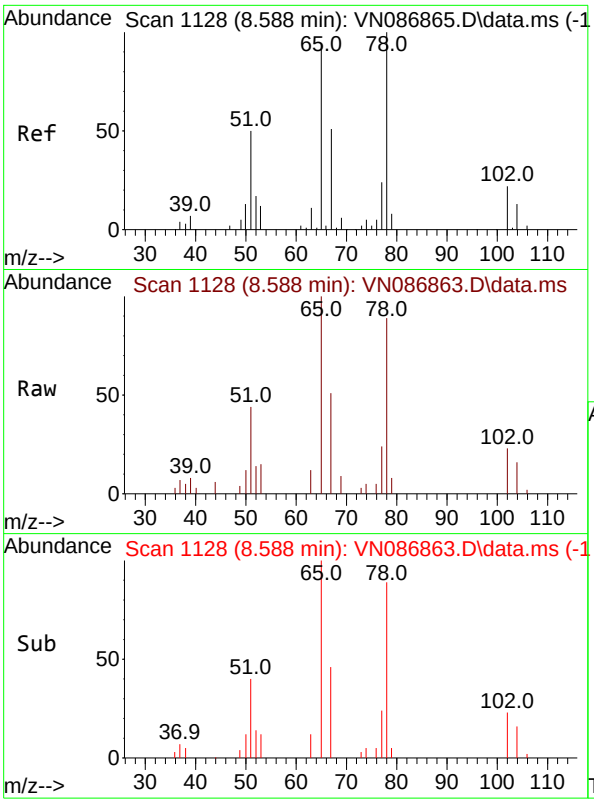


#32
1,1,1-Trichloroethane
Concen: 5.232 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 22857

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.9	35.9	53.9



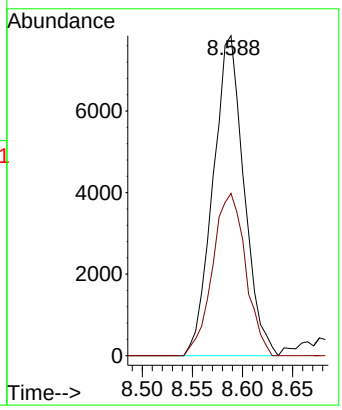


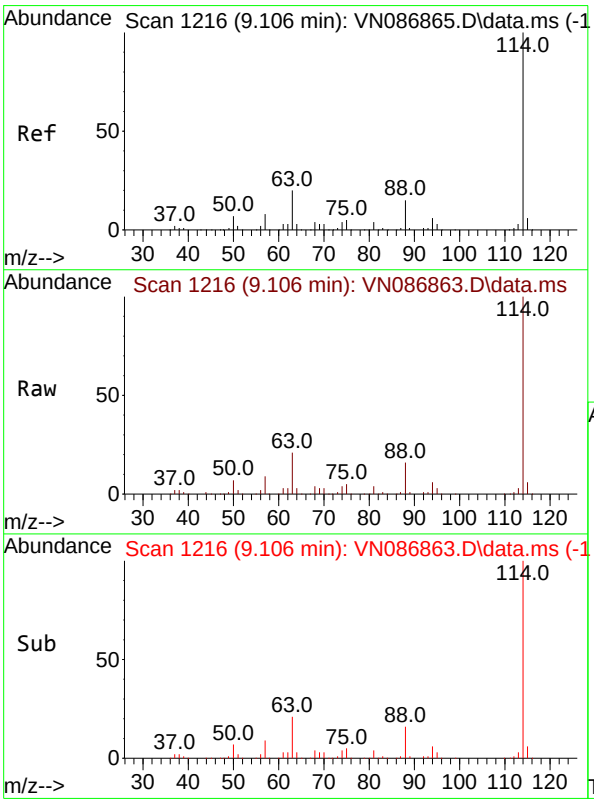
#33
1,2-Dichloroethane-d4
Concen: 5.468 ug/l
RT: 8.588 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 16818

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

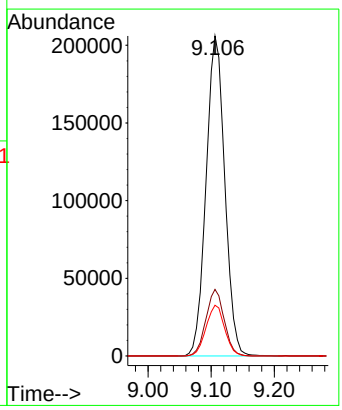


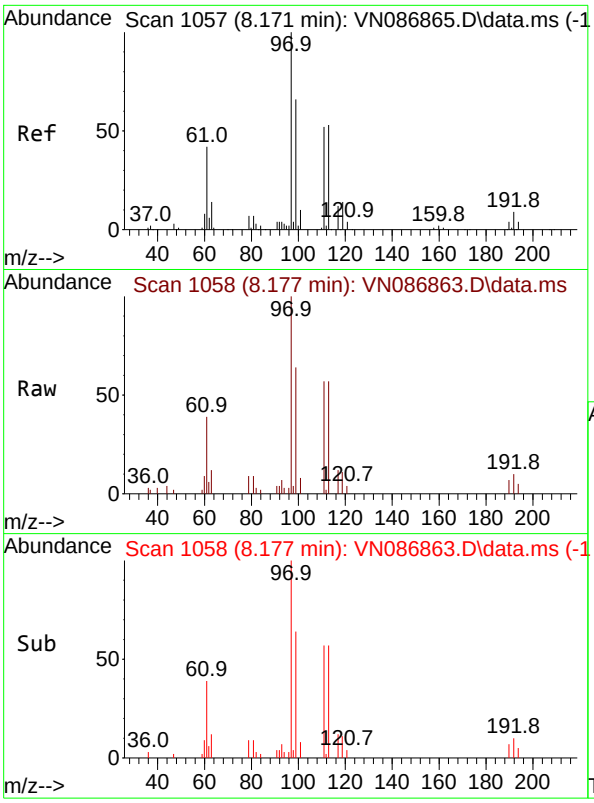


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:114 Resp: 423980

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	15.9	0.0	30.2



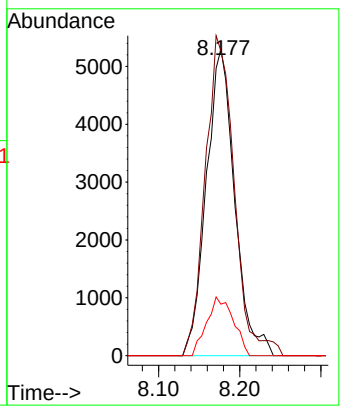


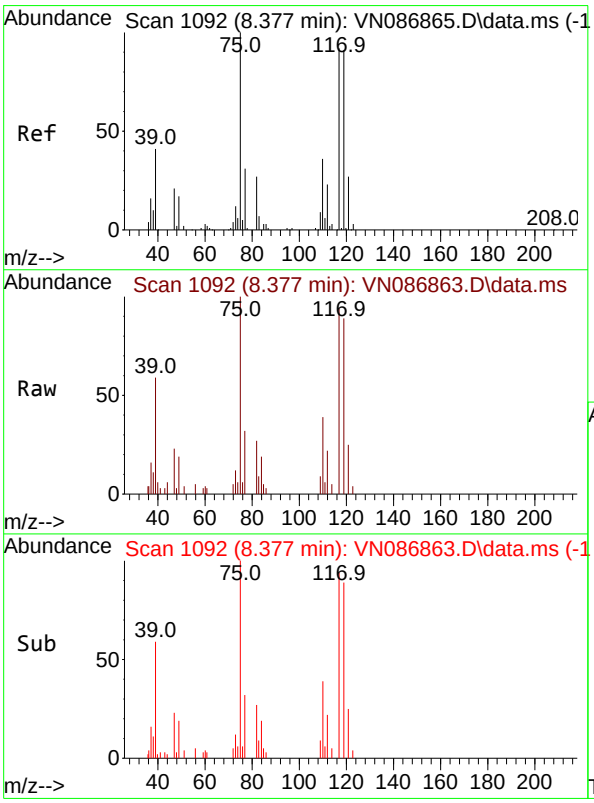
#35
Dibromofluoromethane
Concen: 5.121 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12867

Ion	Ratio	Lower	Upper
113	100		
111	106.5	84.2	126.2
192	18.0	14.2	21.4

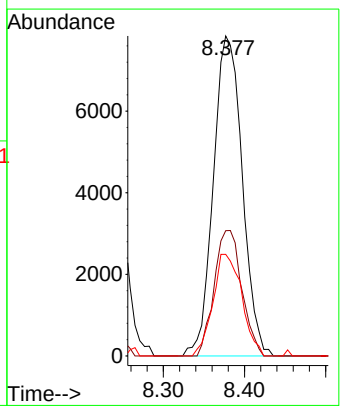


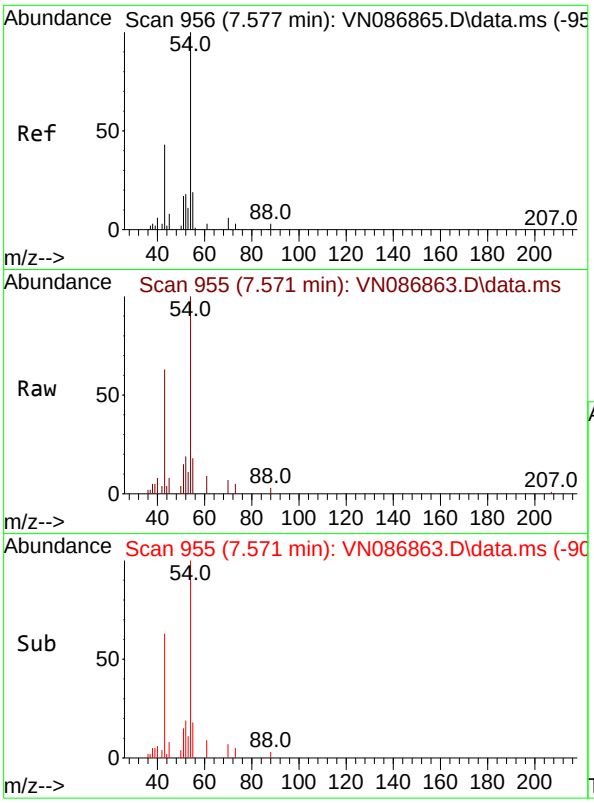


#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 19410

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.6	52.9
77	31.7	25.3	37.9



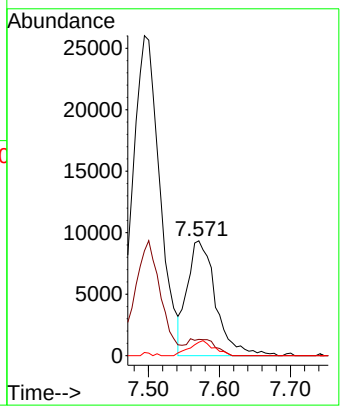


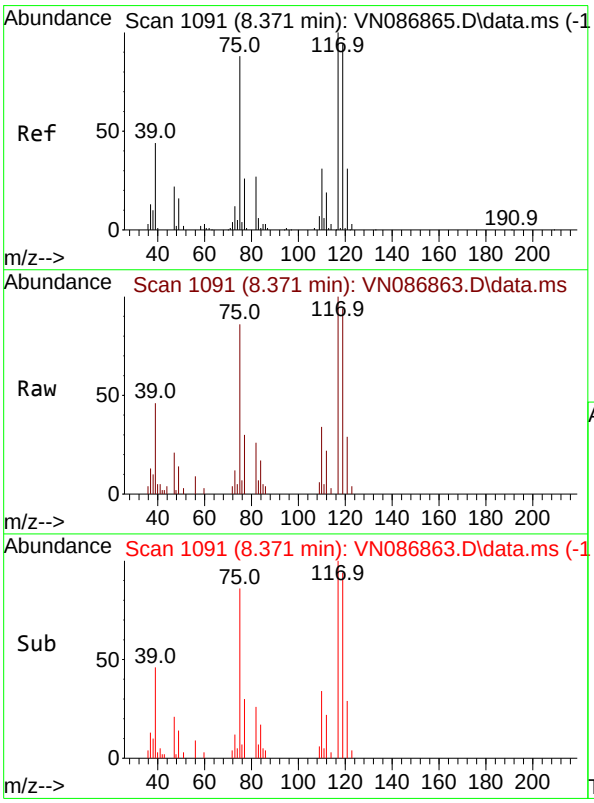
#37
Ethyl Acetate
Concen: 5.470 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 26073

Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.9	9.8	14.6

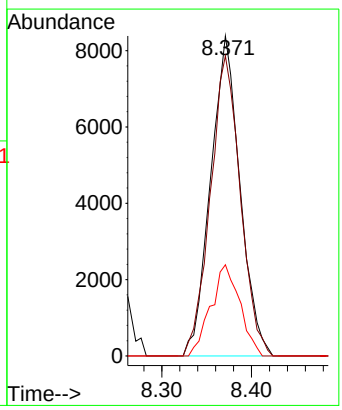


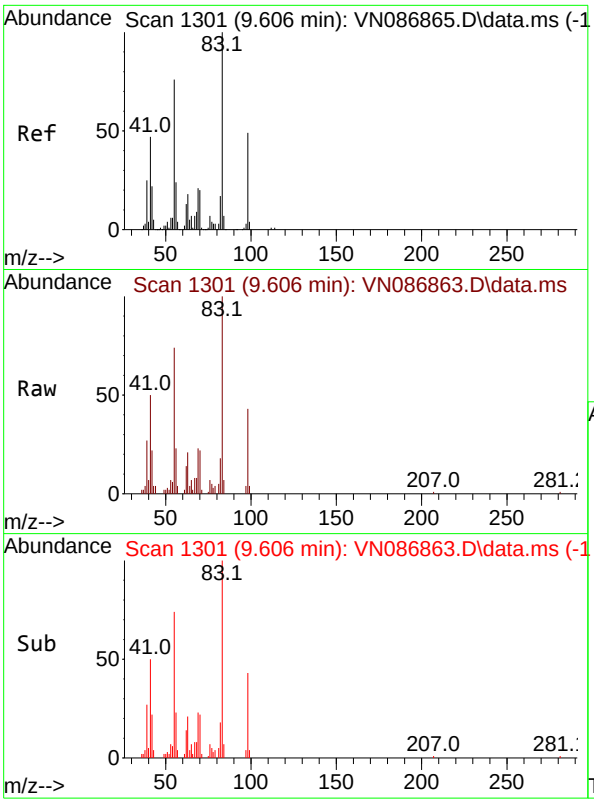


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 19056

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	28.5	24.9	37.3



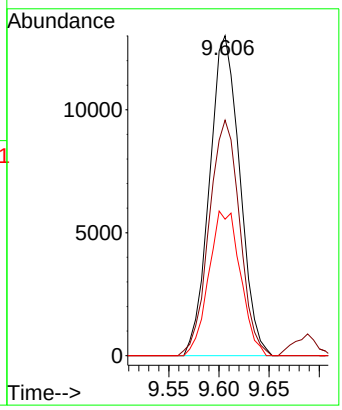


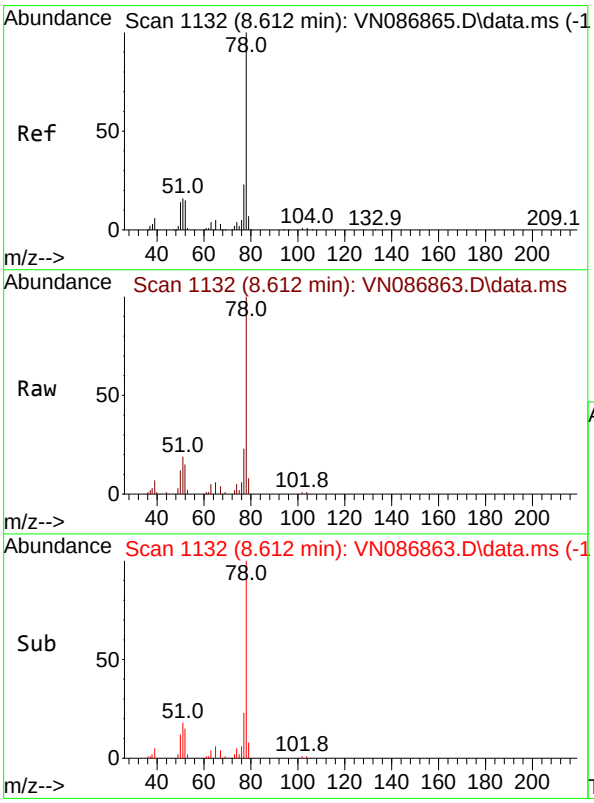
#39
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 27353

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	42.6	38.9	58.3

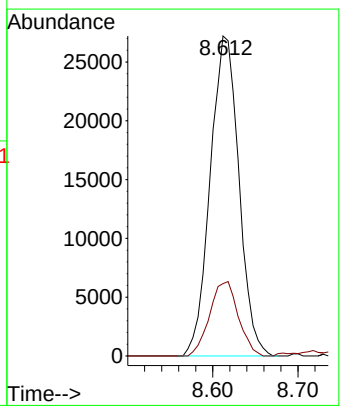


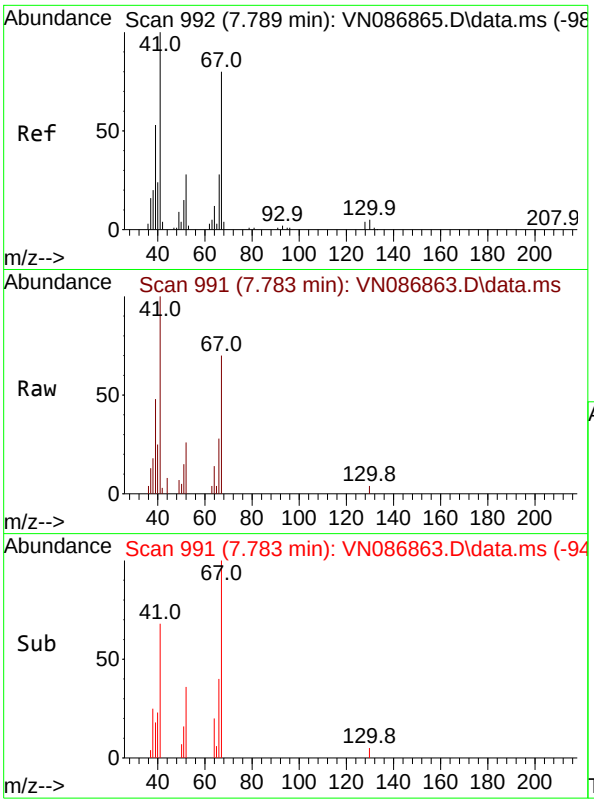


#40
Benzene
Concen: 5.199 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 78 Resp: 63646

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.7	28.1



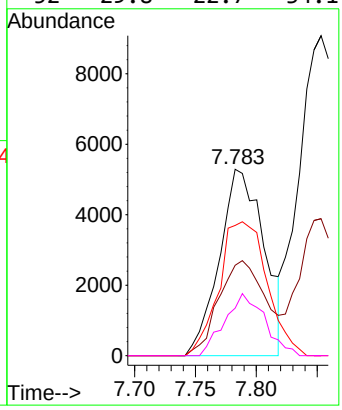


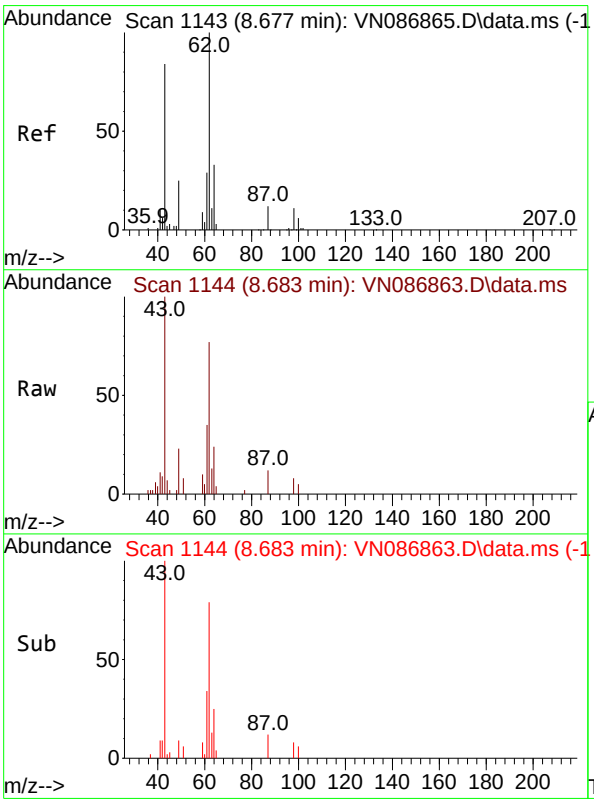
#41
Methacrylonitrile
Concen: 5.050 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 13518

Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.2	61.8
67	77.0	61.4	92.2
52	29.8	22.7	34.1

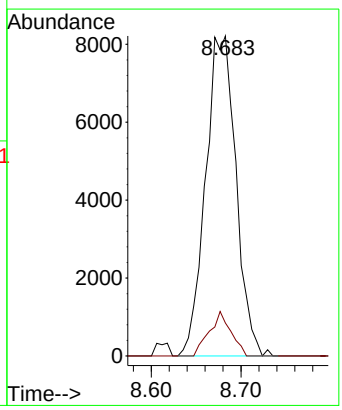


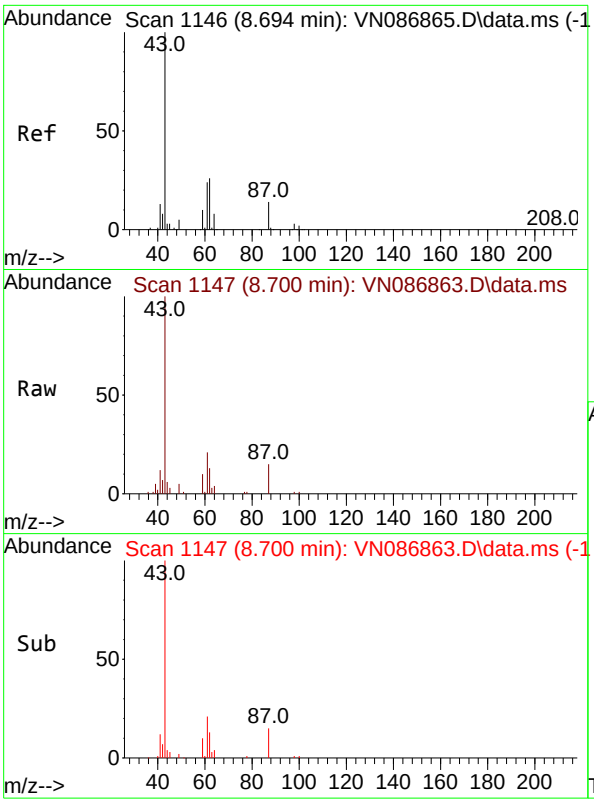


#42
1,2-Dichloroethane
Concen: 5.205 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 19329

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.2



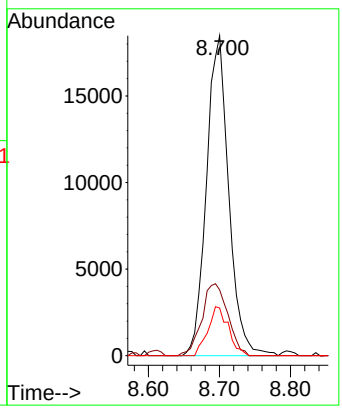


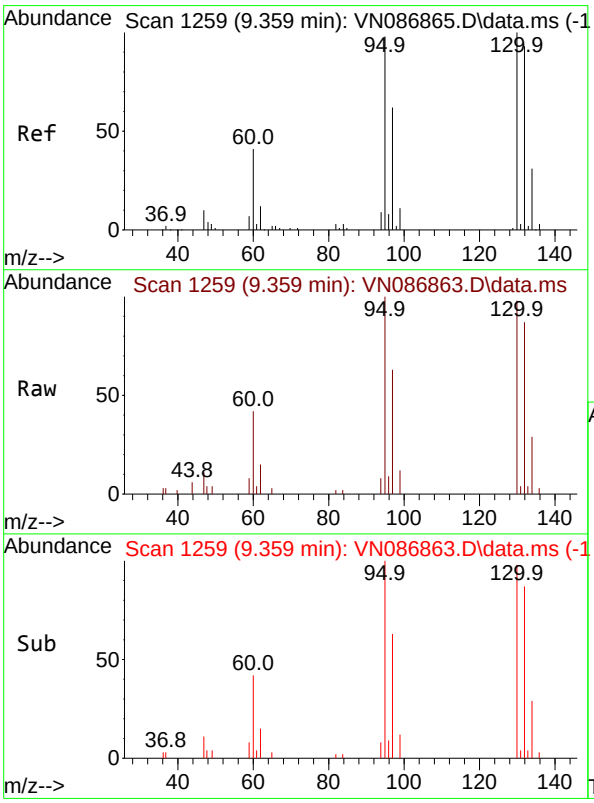
#43
Isopropyl Acetate
Concen: 5.264 ug/l
RT: 8.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 40268

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	14.1	11.8	17.6

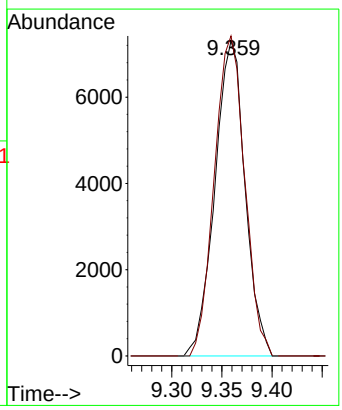


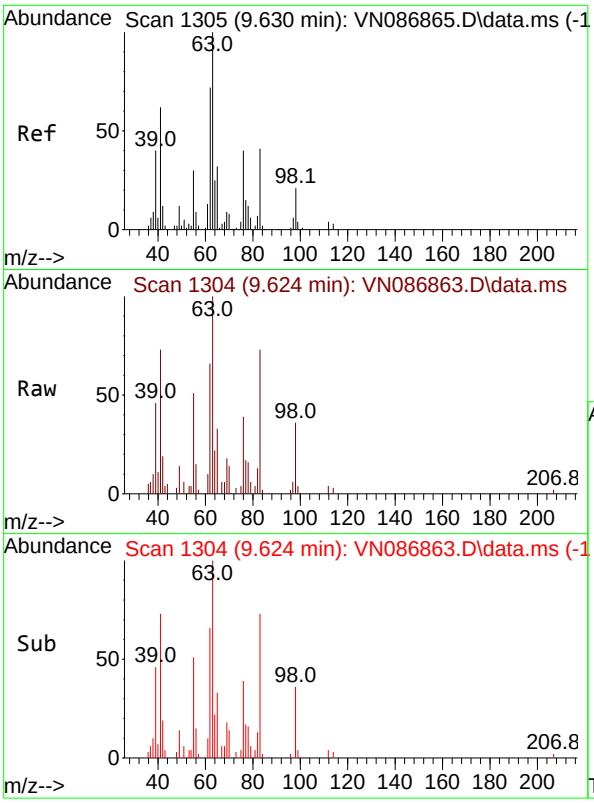


#44
Trichloroethene
Concen: 5.251 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:130 Resp: 15245

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2



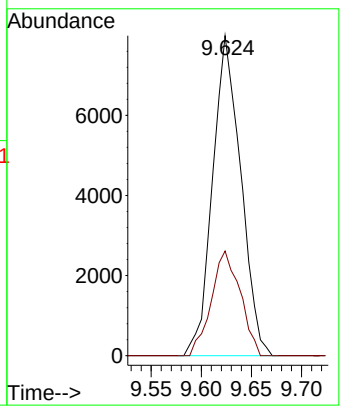


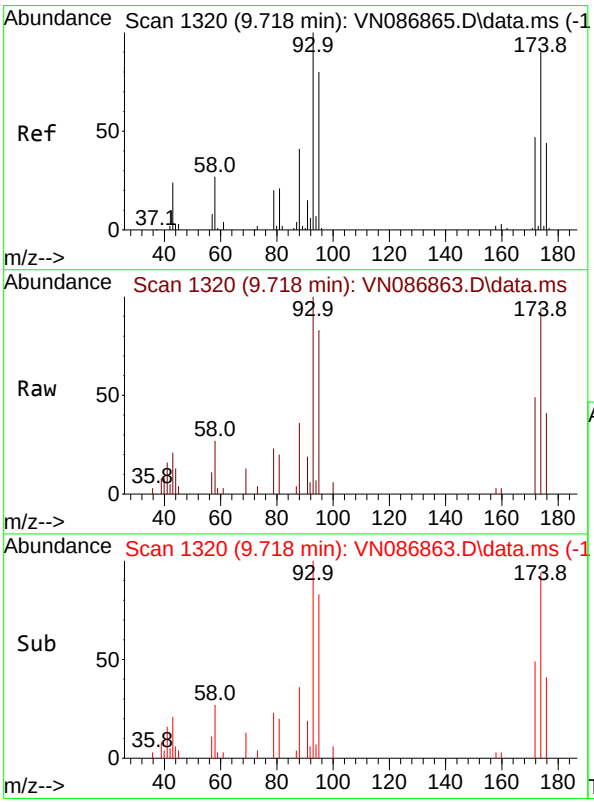
#45
1,2-Dichloropropane
Concen: 5.248 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 15632

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

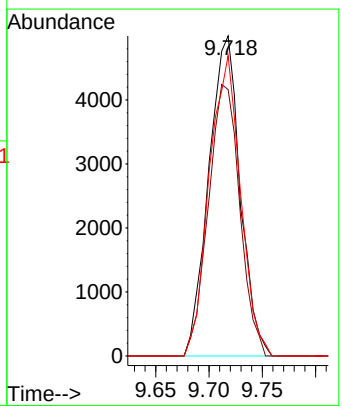


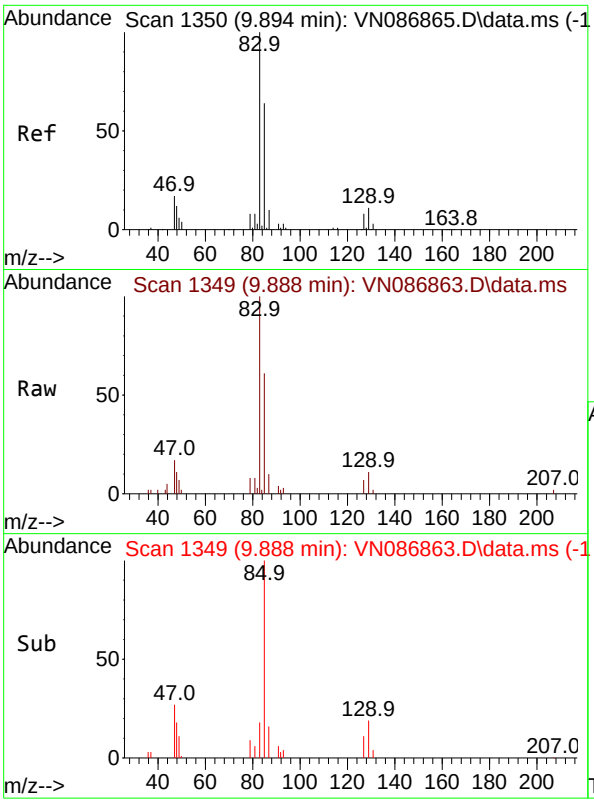


#46
Dibromomethane
Concen: 5.176 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 93 Resp: 10241

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.1	100.7
174	93.4	74.2	111.4



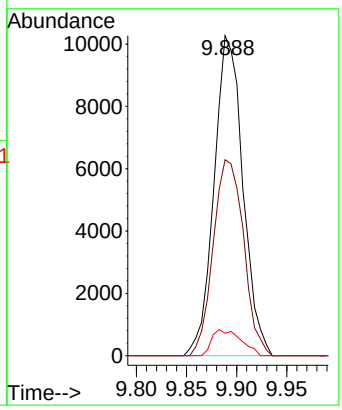


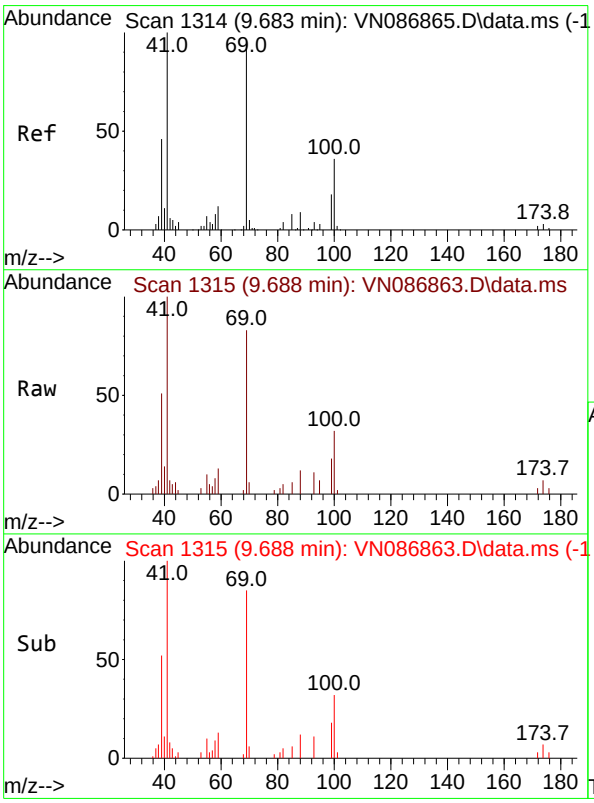
#47
Bromodichloromethane
Concen: 5.039 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20512

Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	7.0	6.6	10.0

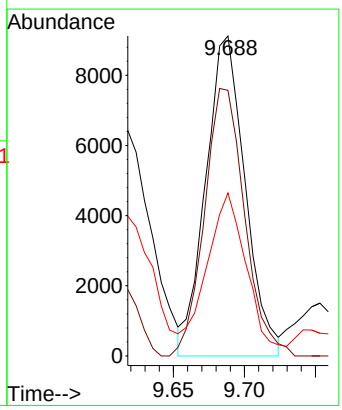


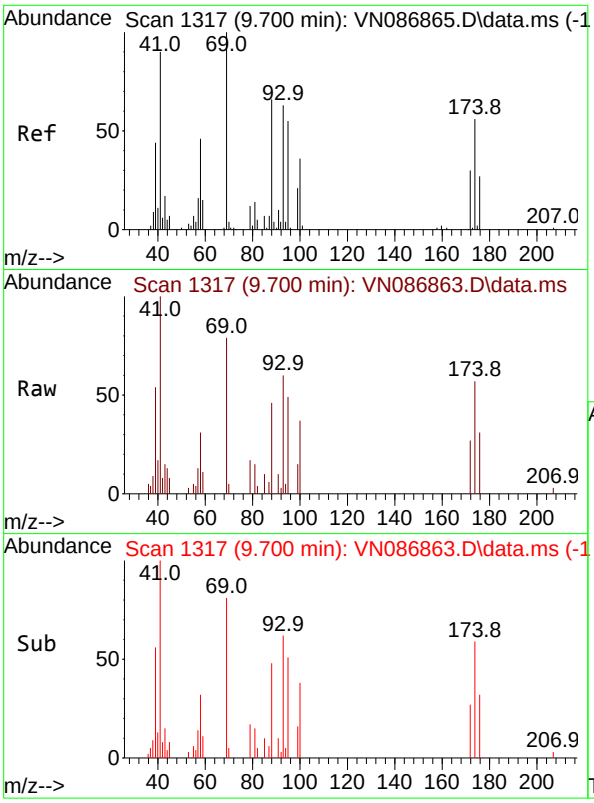


#48
Methyl methacrylate
Concen: 4.996 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 17591

Ion	Ratio	Lower	Upper
41	100		
69	85.2	74.6	112.0
39	52.3	40.2	60.4



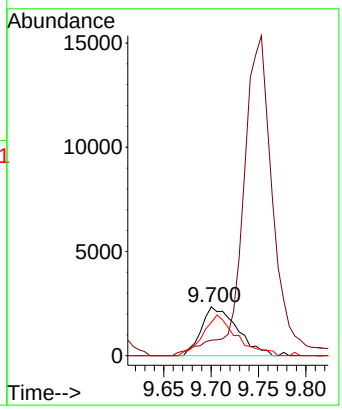


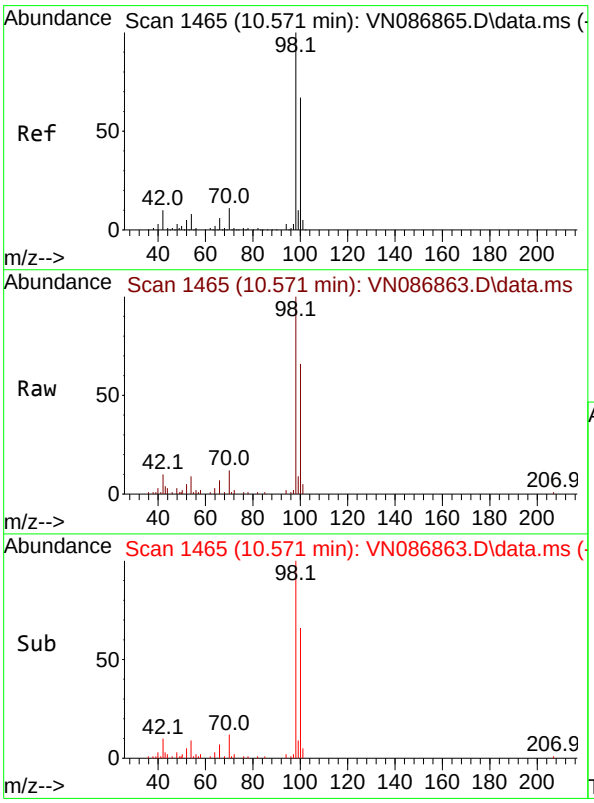
#49
1,4-Dioxane
Concen: 95.874 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 6141

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.9	57.7	86.5

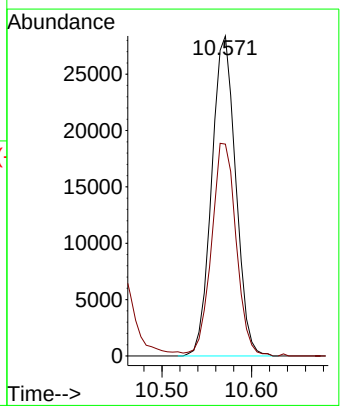


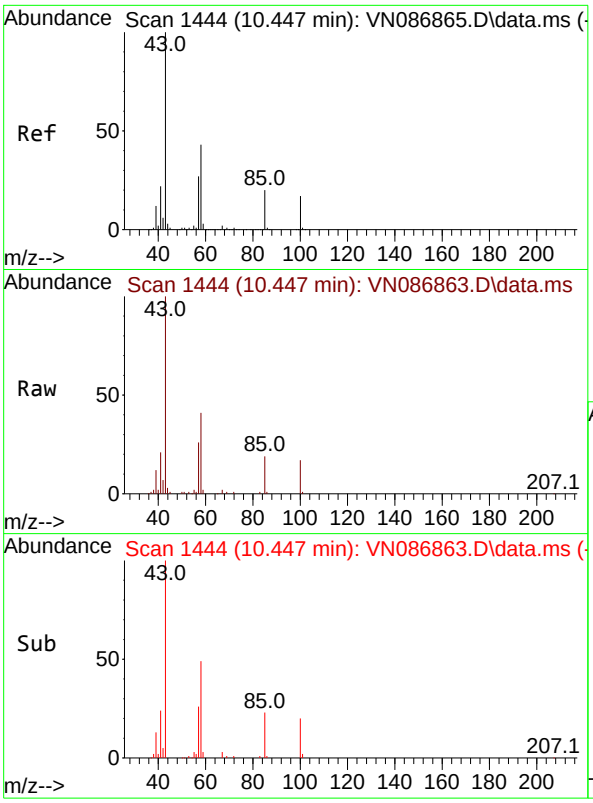


#50
Toluene-d8
Concen: 5.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 98 Resp: 52794

Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.4	80.0



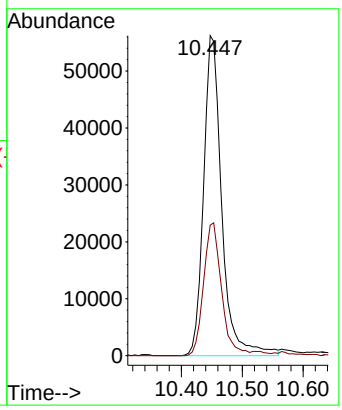


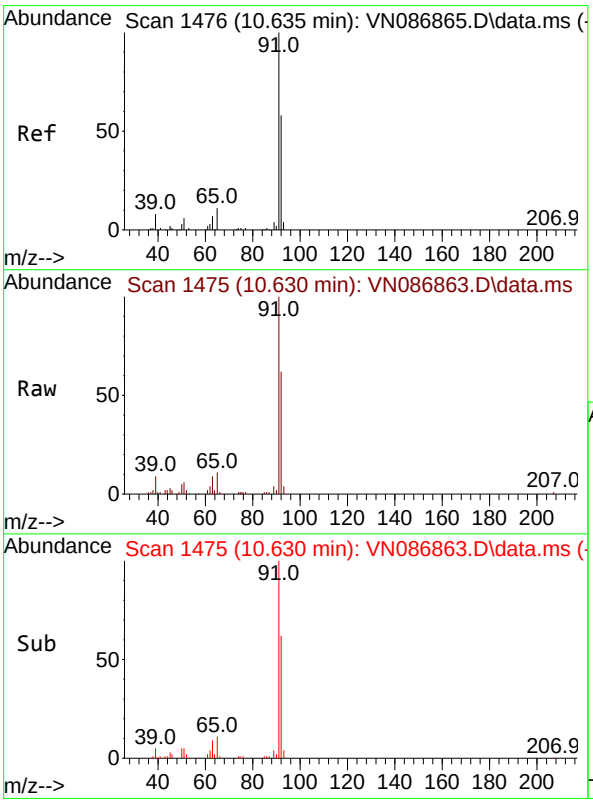
#51
4-Methyl-2-Pentanone
Concen: 25.283 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 116434

Ion	Ratio	Lower	Upper
43	100		
58	40.9	34.2	51.4

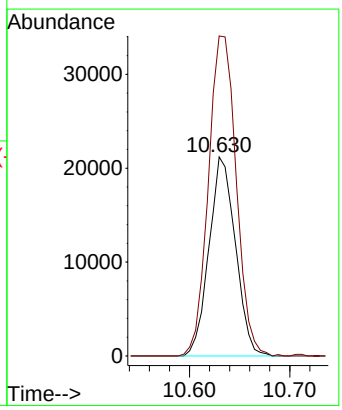


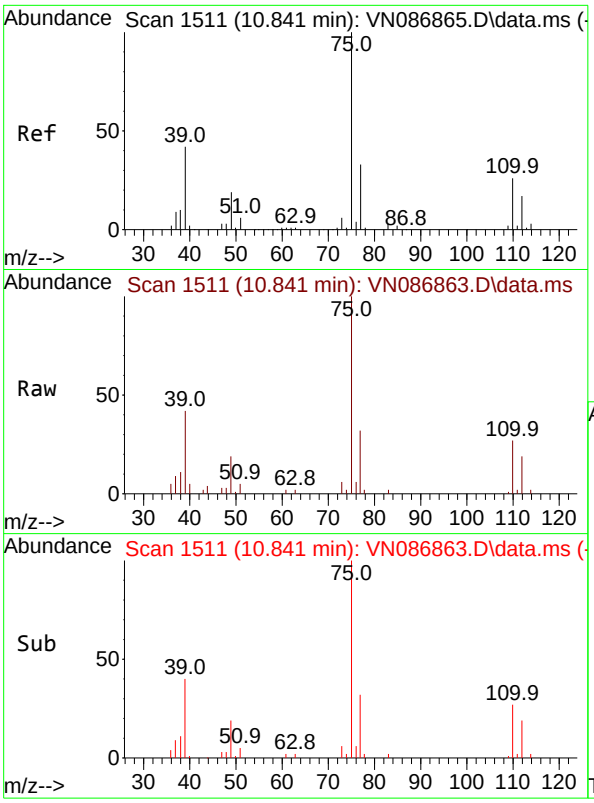


#52
Toluene
Concen: 5.178 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 92 Resp: 38744

Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.5	204.7



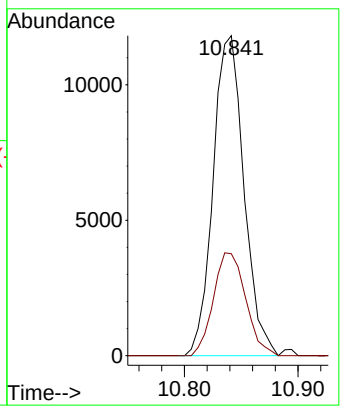


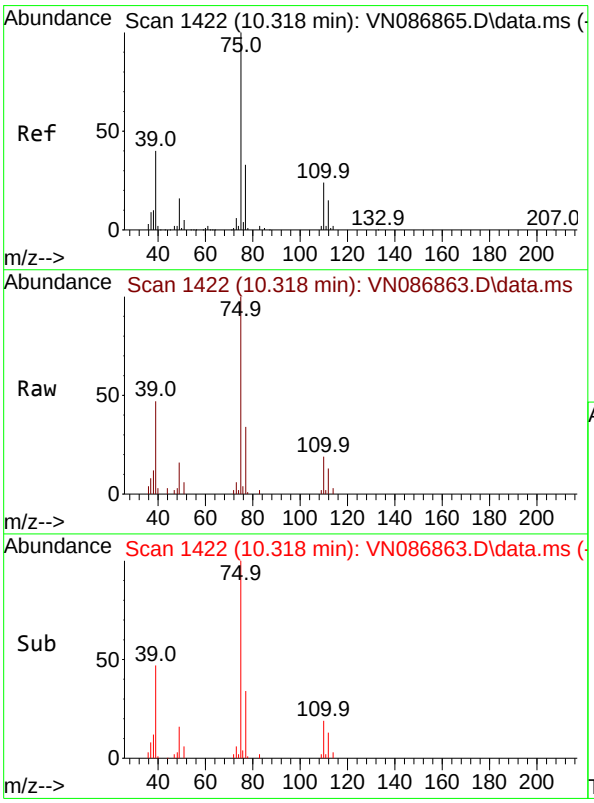
#53
t-1,3-Dichloropropene
Concen: 4.896 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 22285

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6

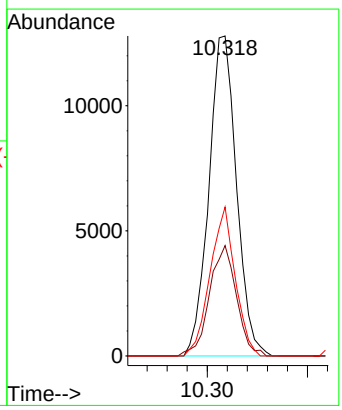


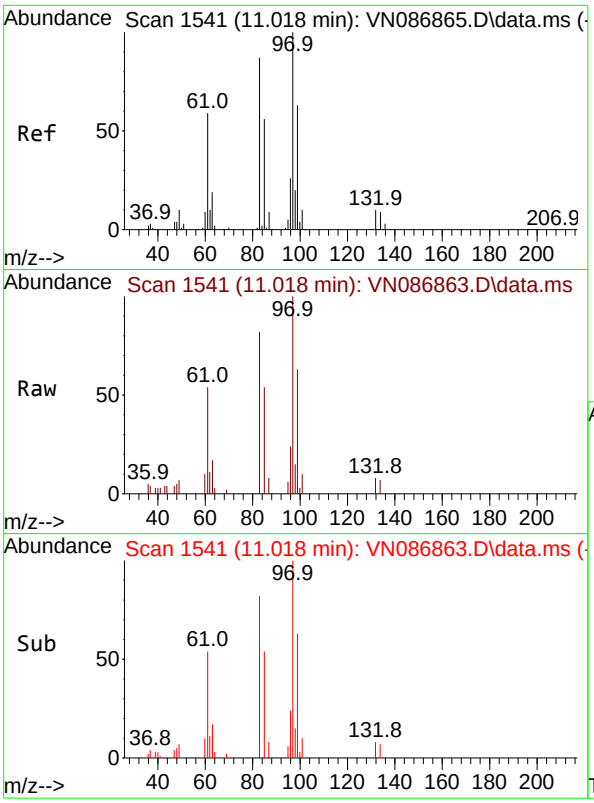


#54
cis-1,3-Dichloropropene
Concen: 5.026 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 24477

Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.2	39.4
39	46.5	32.3	48.5



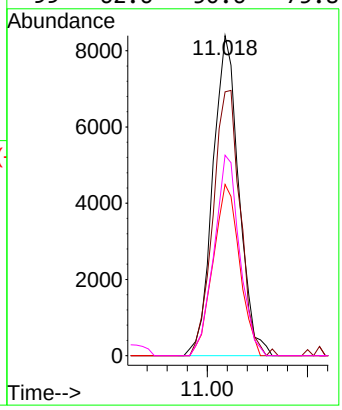


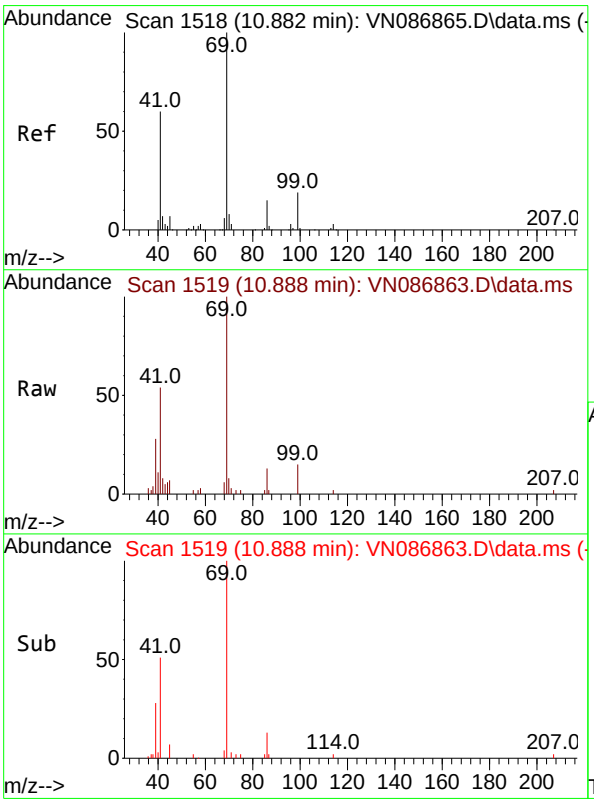
#55
1,1,2-Trichloroethane
Concen: 5.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 15068

Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.7	104.5
85	53.5	45.1	67.7
99	62.6	50.6	75.8

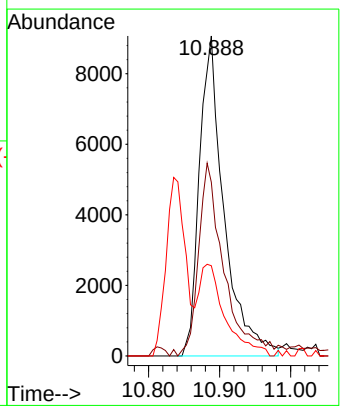


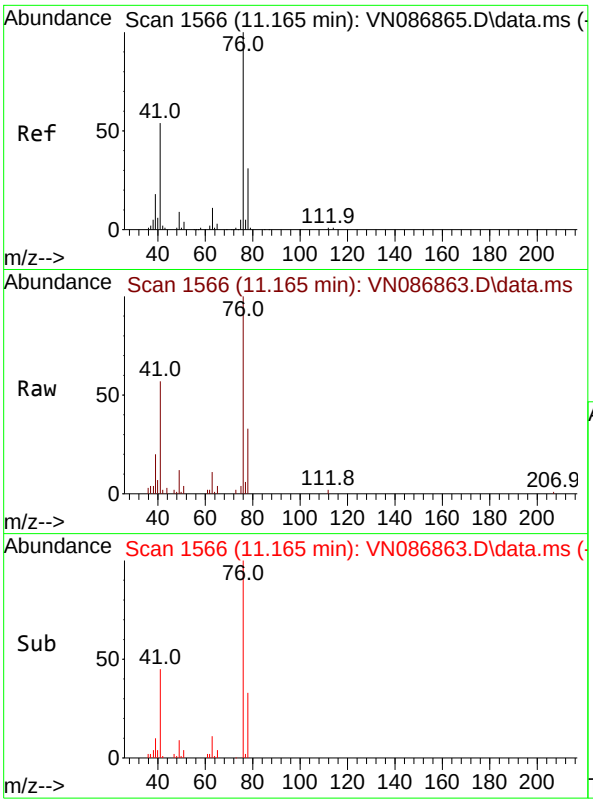


#56
Ethyl methacrylate
Concen: 4.774 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 69 Resp: 21893

Ion	Ratio	Lower	Upper
69	100		
41	63.5	47.2	70.8
39	29.9	23.0	34.6



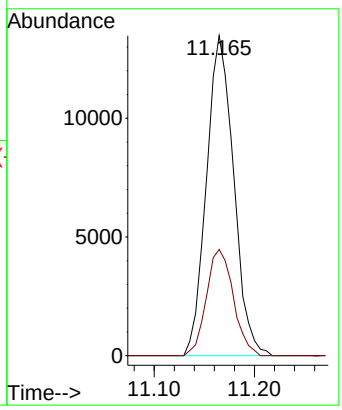


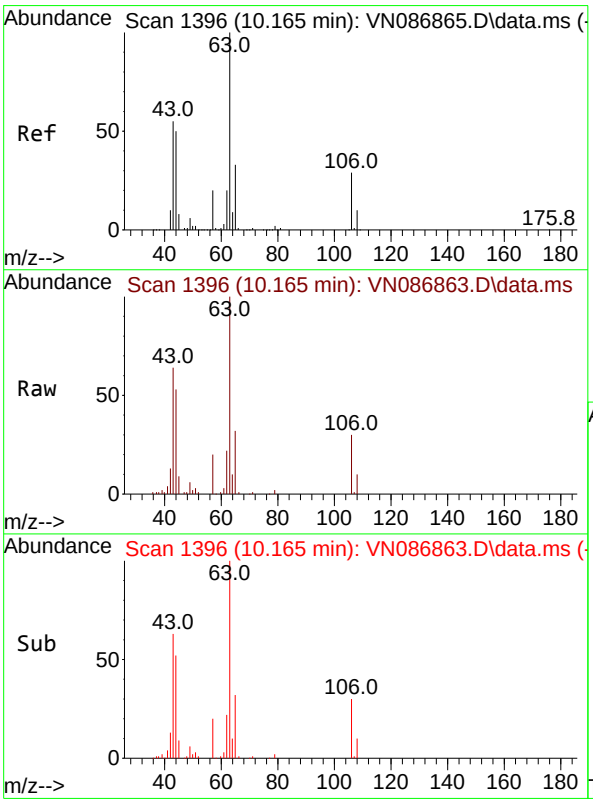
#57
1,3-Dichloropropane
Concen: 5.096 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 25452

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

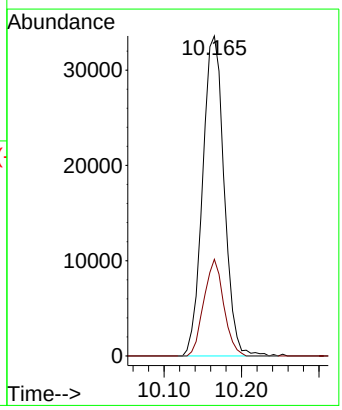


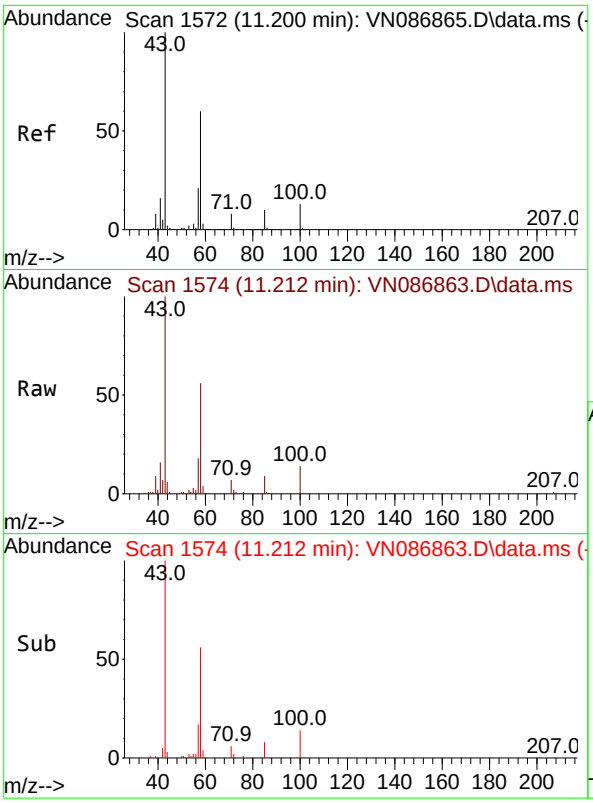


#58
2-Chloroethyl Vinyl ether
Concen: 23.664 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 64722

Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.6



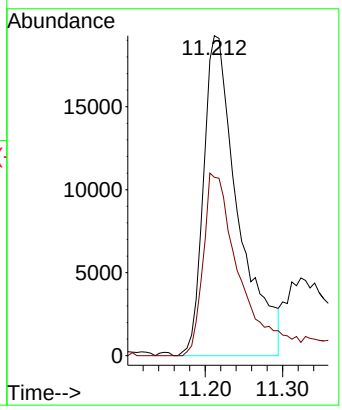


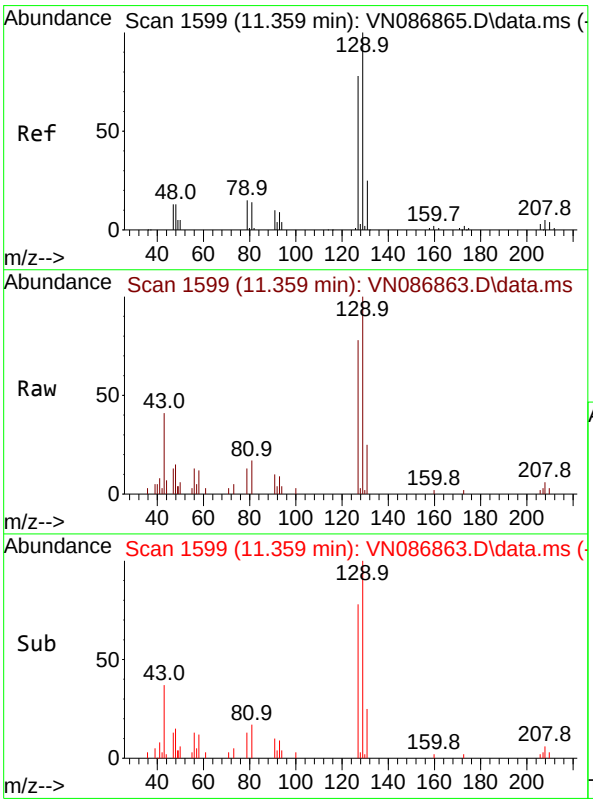
#59
2-Hexanone
Concen: 20.188 ug/l
RT: 11.212 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 59884

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.4	91.3

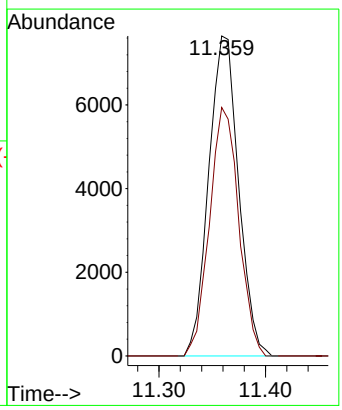


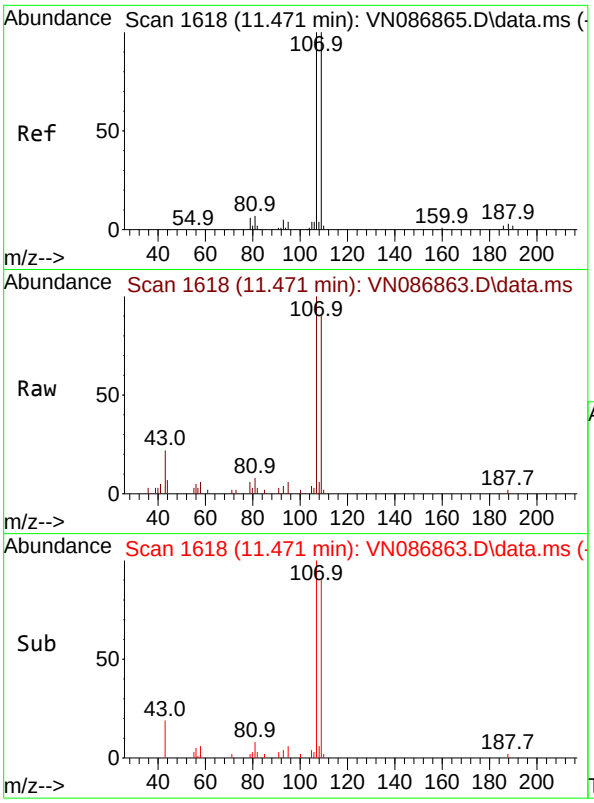


#60
Dibromochloromethane
Concen: 4.962 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:129 Resp: 14884

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	115.8



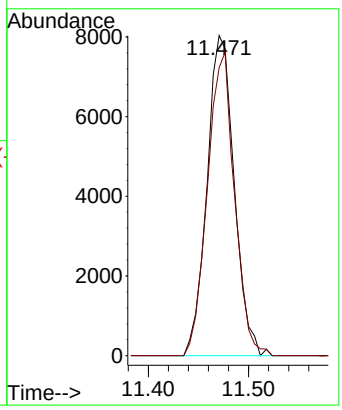


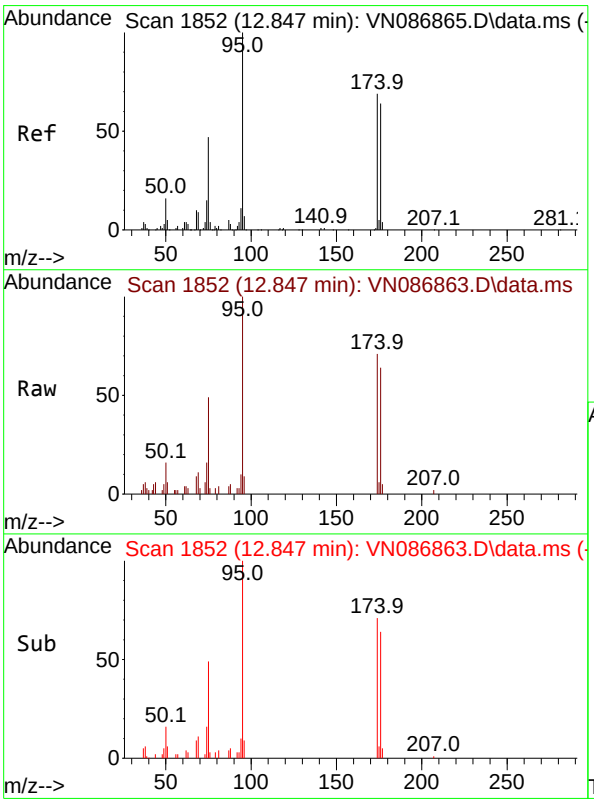
#61
1,2-Dibromoethane
Concen: 5.141 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 15172

Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.3	114.5

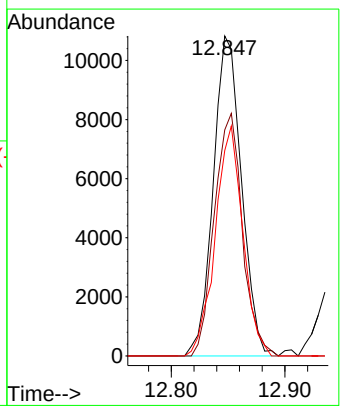


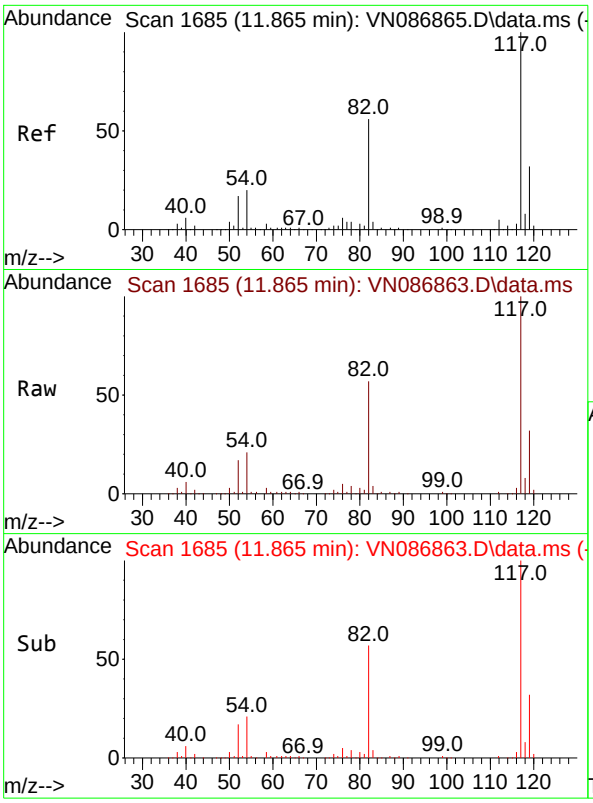


#62
4-Bromofluorobenzene
Concen: 5.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 95 Resp: 18697

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	141.8
176	70.2	0.0	132.6



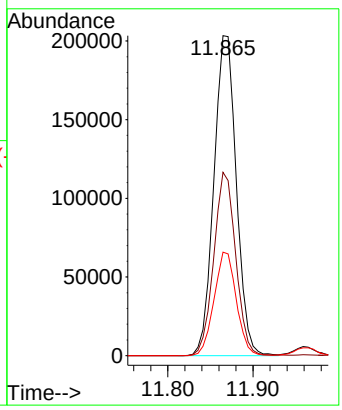


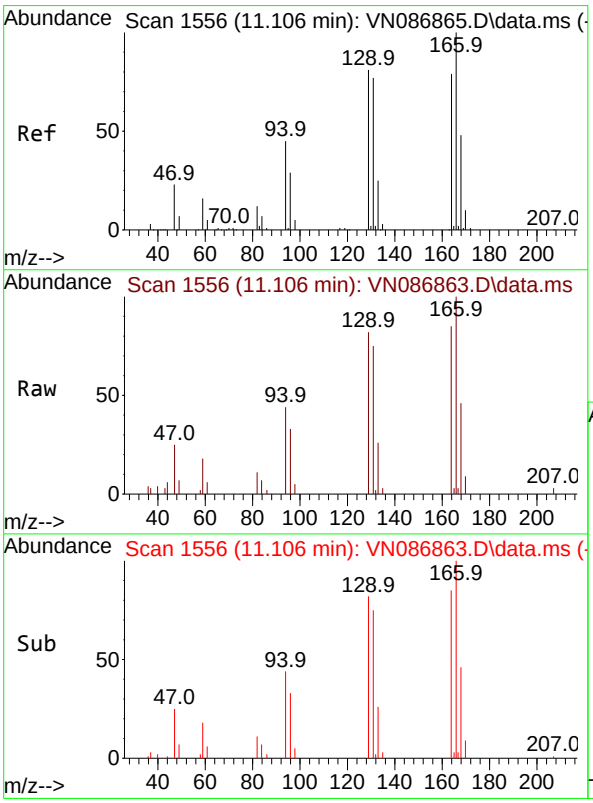
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 371851

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	67.0
119	32.3	25.5	38.3

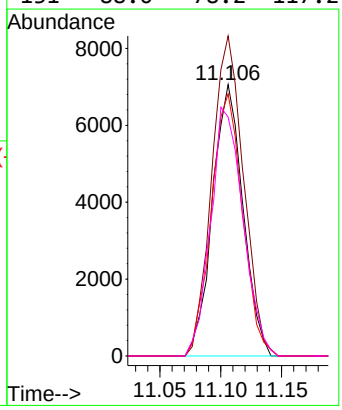


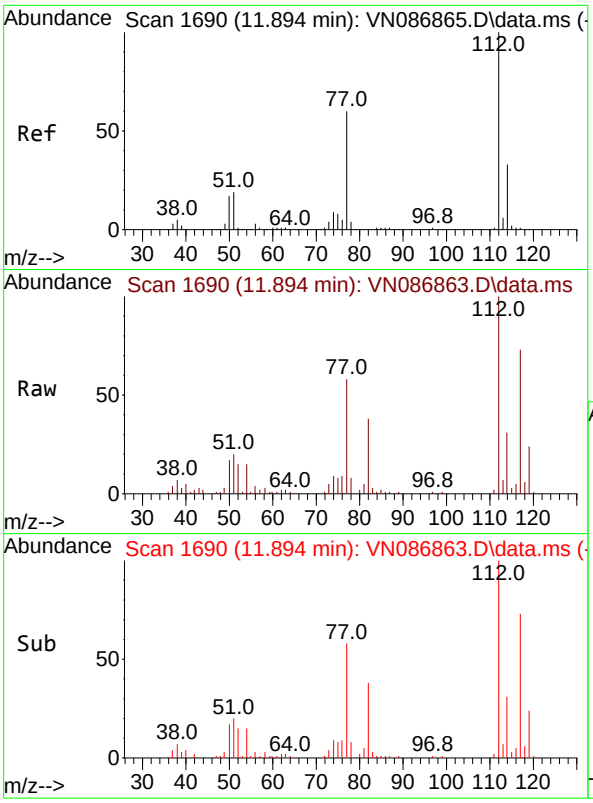


#64
Tetrachloroethene
Concen: 5.236 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:164 Resp: 12322

Ion	Ratio	Lower	Upper
164	100		
166	117.9	101.8	152.8
129	96.6	83.0	124.4
131	88.0	78.2	117.2



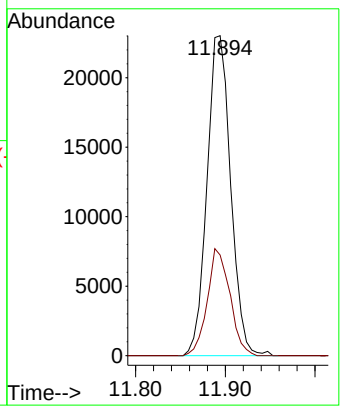


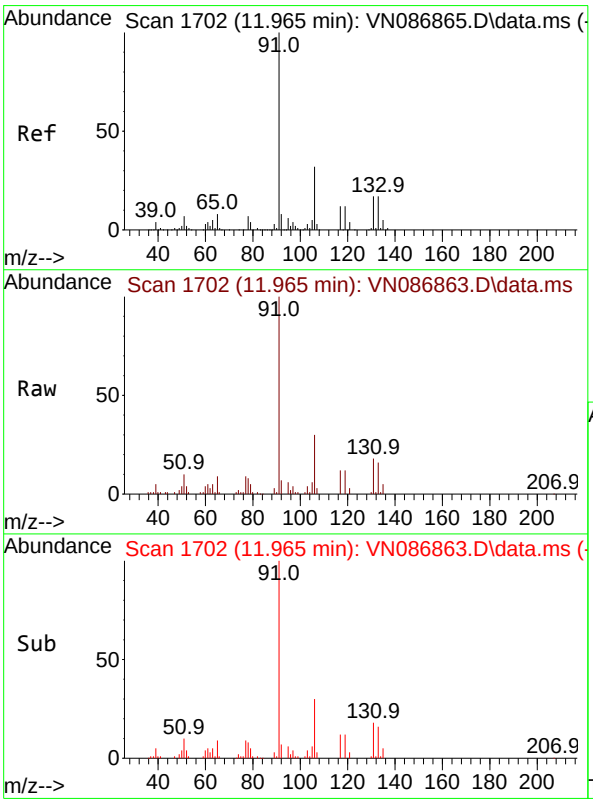
#65
Chlorobenzene
Concen: 5.145 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 42195

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

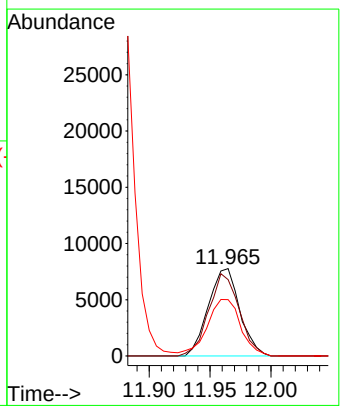


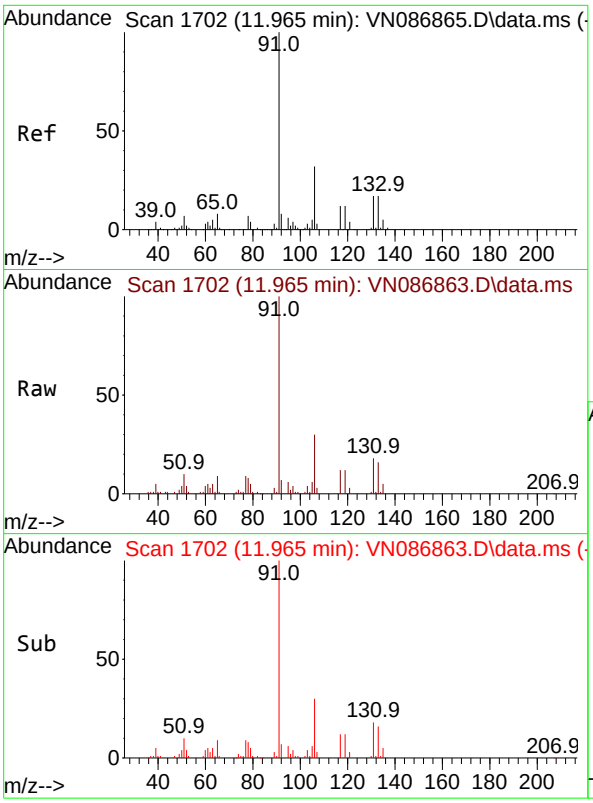


#66
1,1,1,2-Tetrachloroethane
Concen: 5.271 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:131 Resp: 13897

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.3	144.8
119	69.1	34.0	101.8



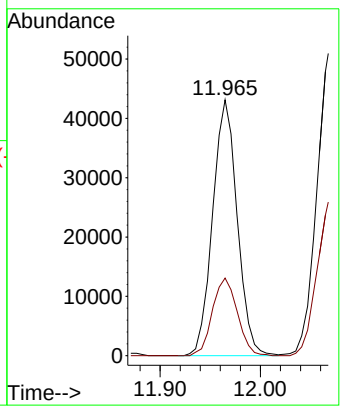


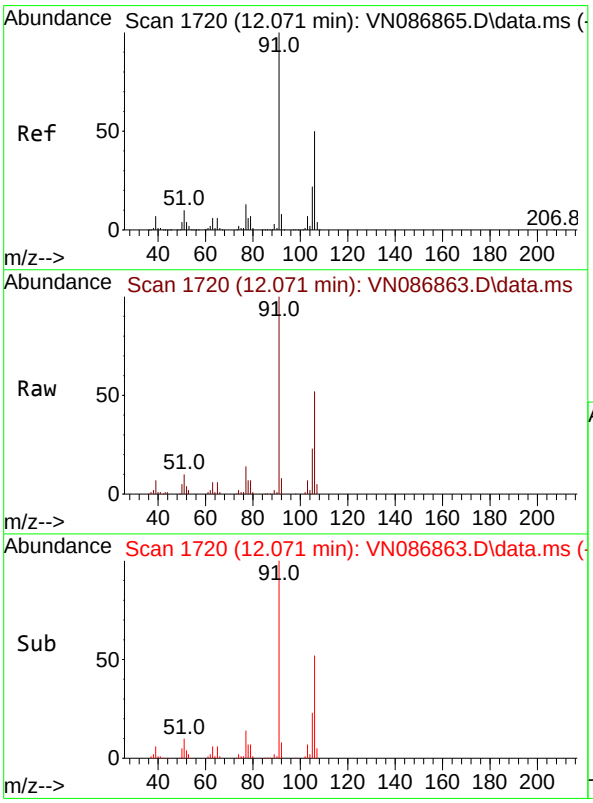
#67
Ethyl Benzene
Concen: 5.199 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 73443

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2

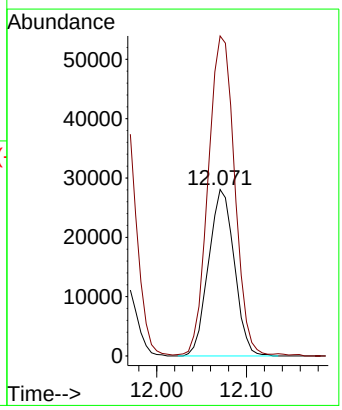


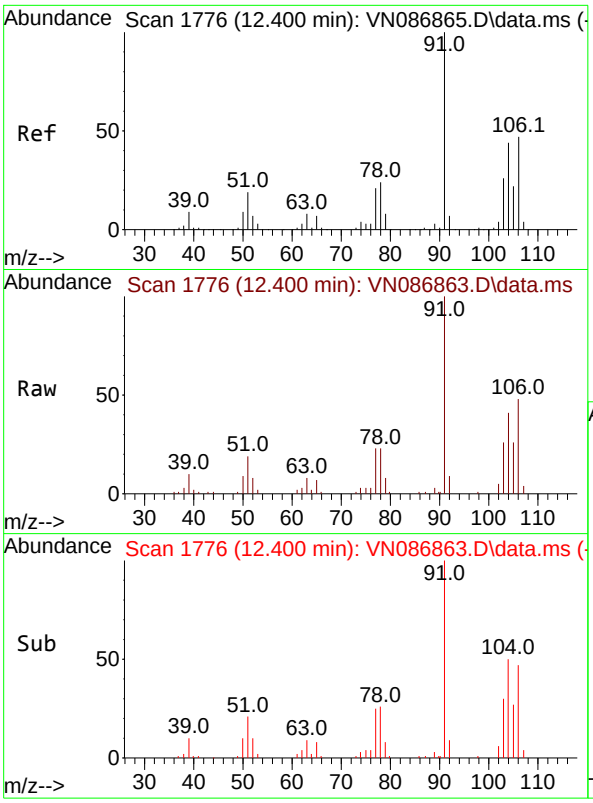


#68
m/p-Xylenes
Concen: 10.330 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:106 Resp: 55859

Ion	Ratio	Lower	Upper
106	100		
91	199.0	159.4	239.0



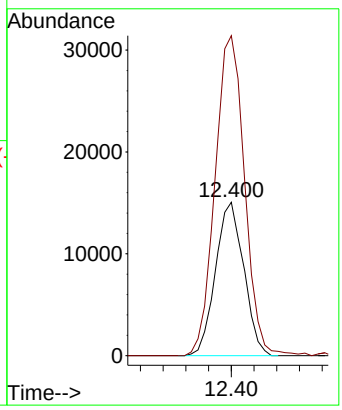


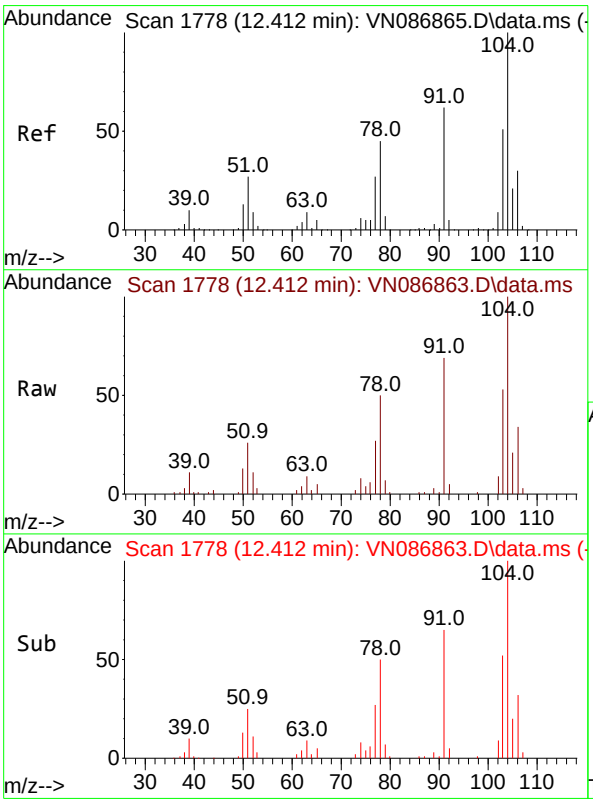
#69
o-Xylene
Concen: 5.021 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 26004

Ion	Ratio	Lower	Upper
106	100		
91	218.1	106.1	318.1

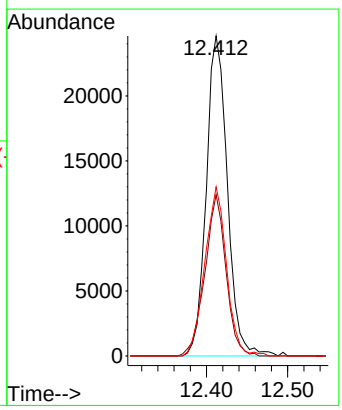


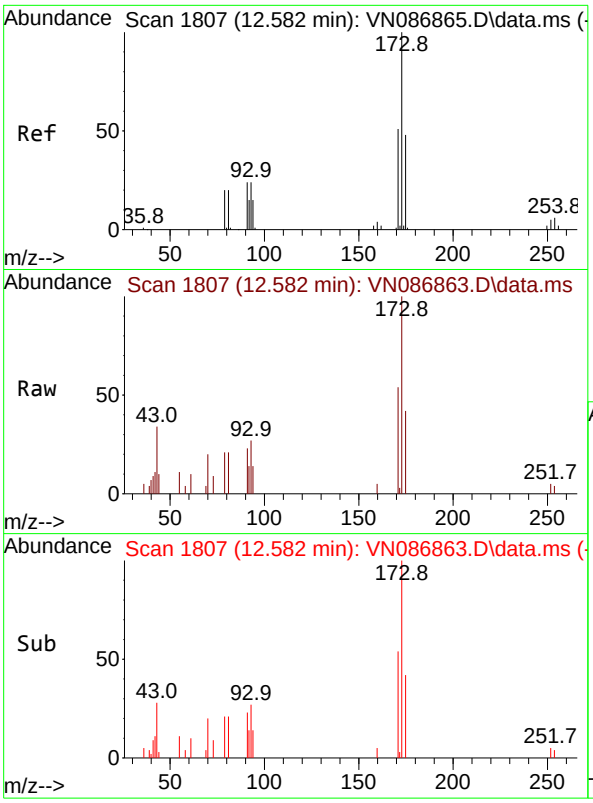


#70
Styrene
Concen: 5.008 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:104 Resp: 44380

Ion	Ratio	Lower	Upper
104	100		
78	50.4	38.5	57.7
103	54.4	43.1	64.7



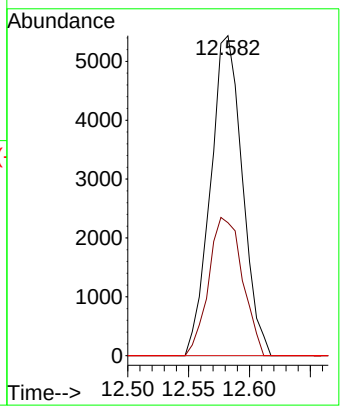


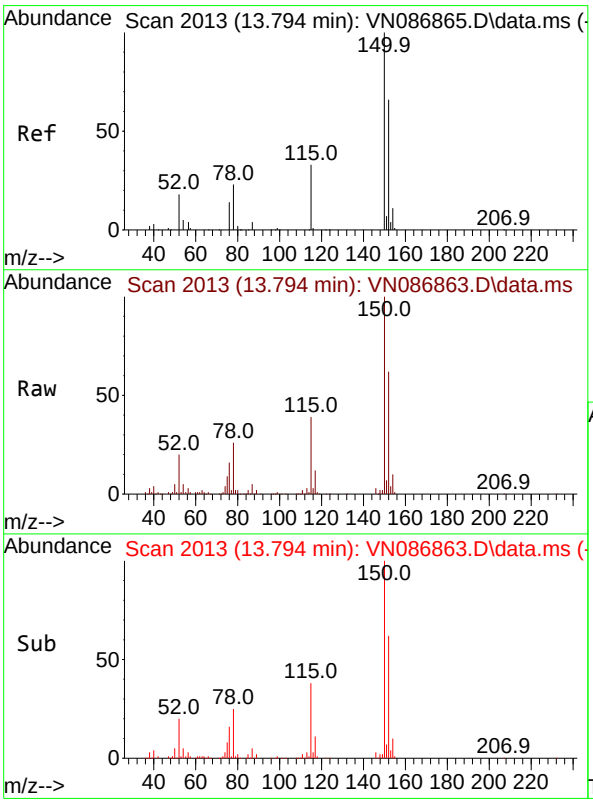
#71
Bromoform
Concen: 5.063 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9890

Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.1	72.4
254	0.0	0.0	0.0

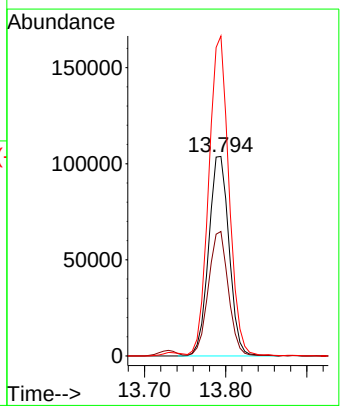


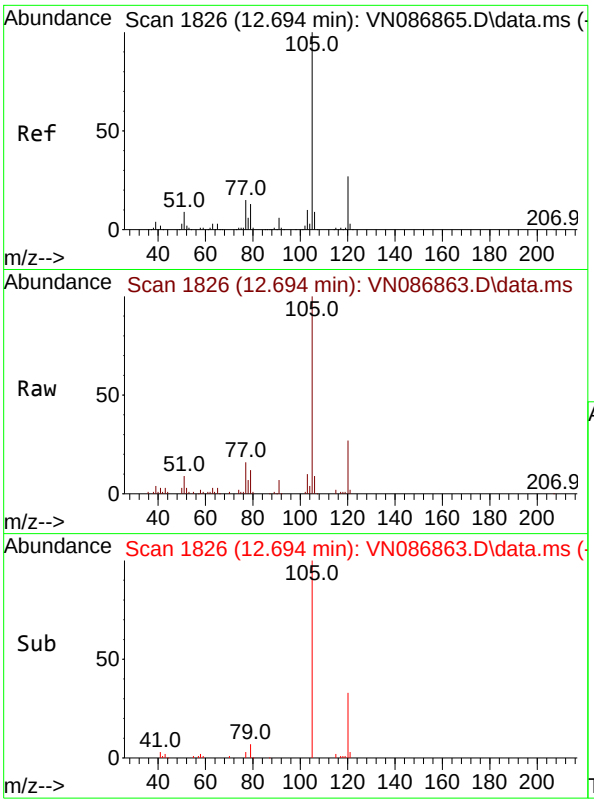


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:152 Resp: 181065

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	157.8	0.0	345.0



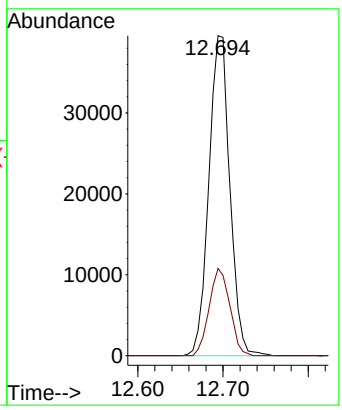


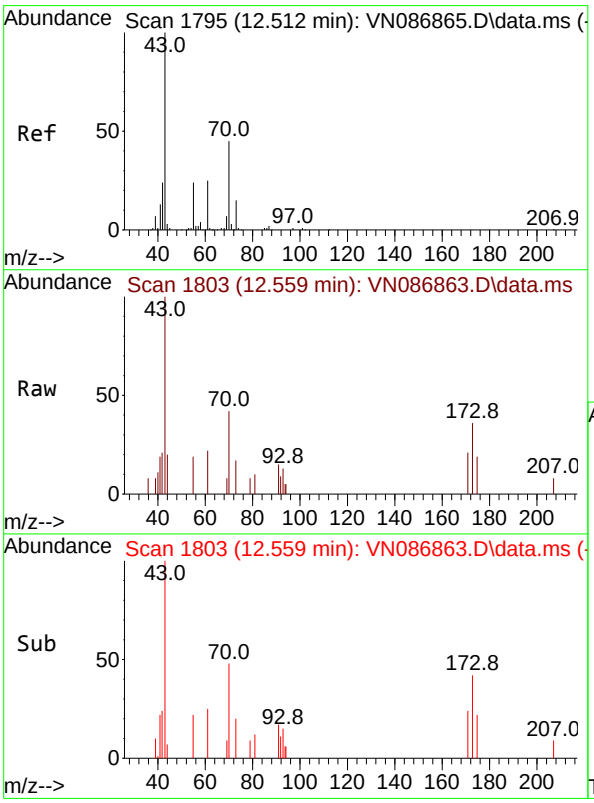
#73
Isopropylbenzene
Concen: 5.146 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 67878

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

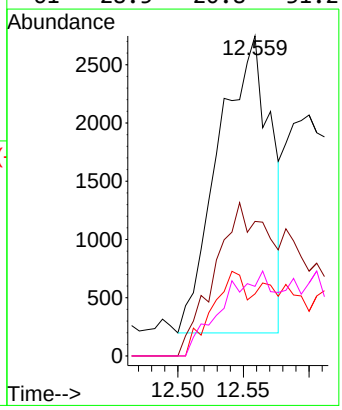


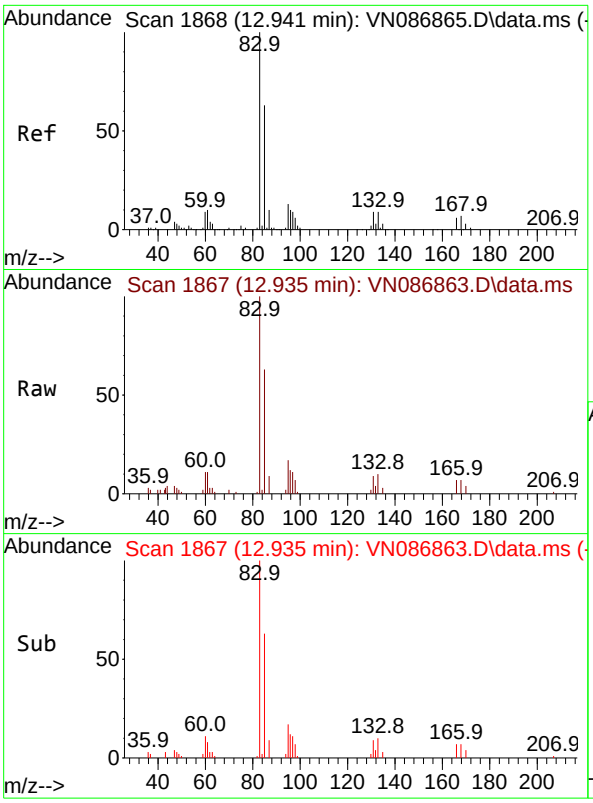


#74
N-amyl acetate
Concen: 1.611 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.047 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 7051

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	28.5	20.8	31.2



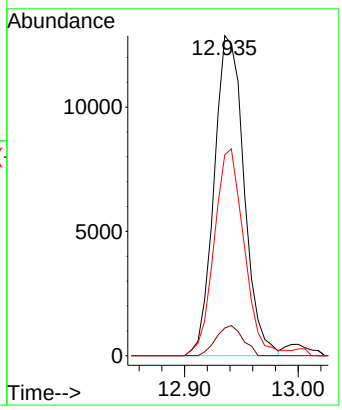


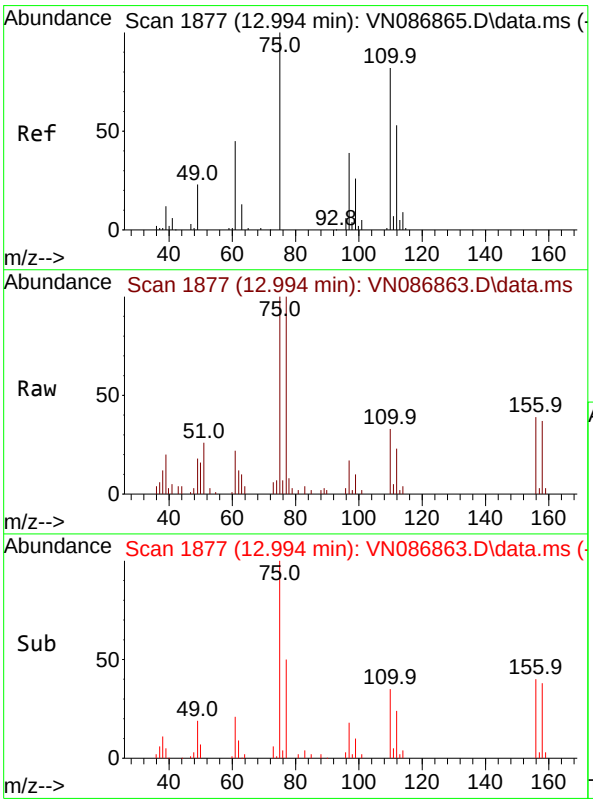
#75
1,1,2,2-Tetrachloroethane
Concen: 5.262 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 23516

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	32.0	96.0

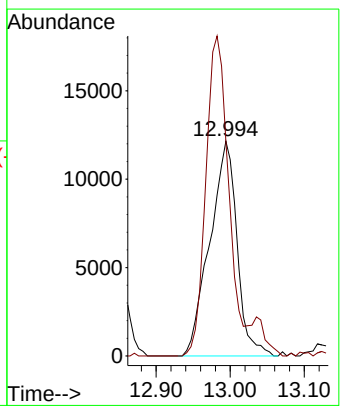


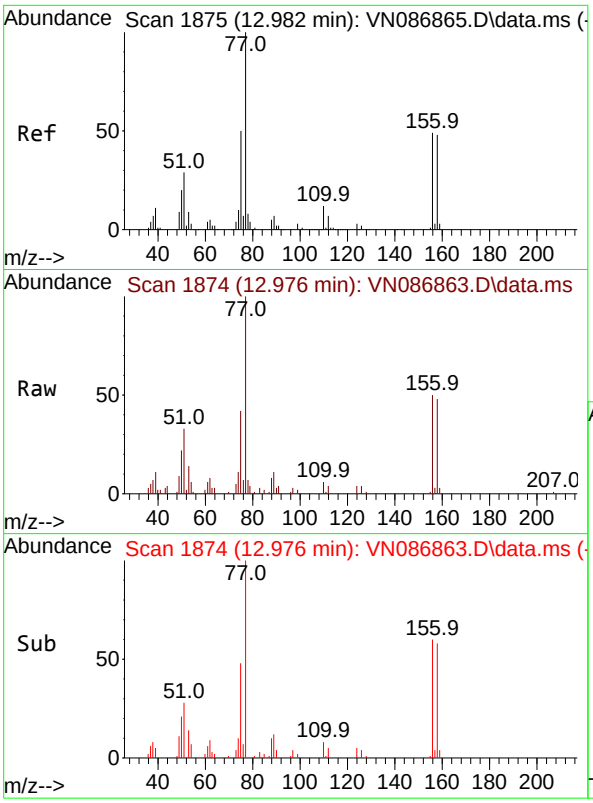


#76
1,2,3-Trichloropropane
Concen: 7.181 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 31004

Ion	Ratio	Lower	Upper
75	100		
77	124.8	79.3	237.9



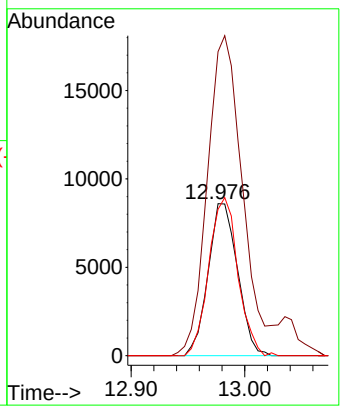


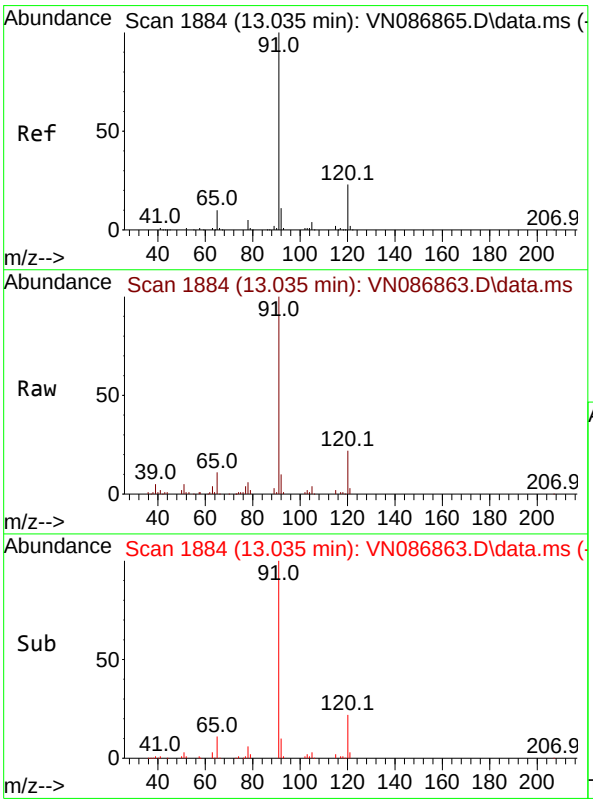
#77
Bromobenzene
Concen: 5.119 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15485

Ion	Ratio	Lower	Upper
156	100		
77	249.9	117.7	353.1
158	102.9	48.1	144.4

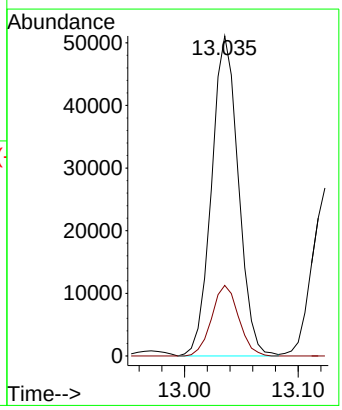


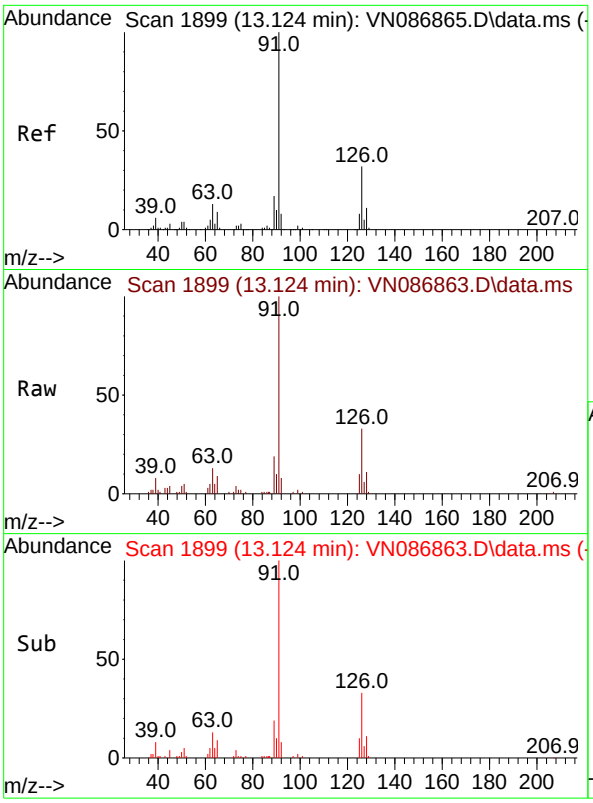


#78
n-propylbenzene
Concen: 5.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 83781

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2



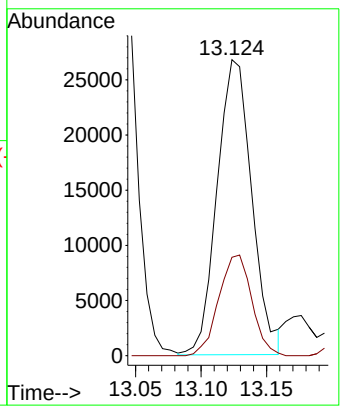


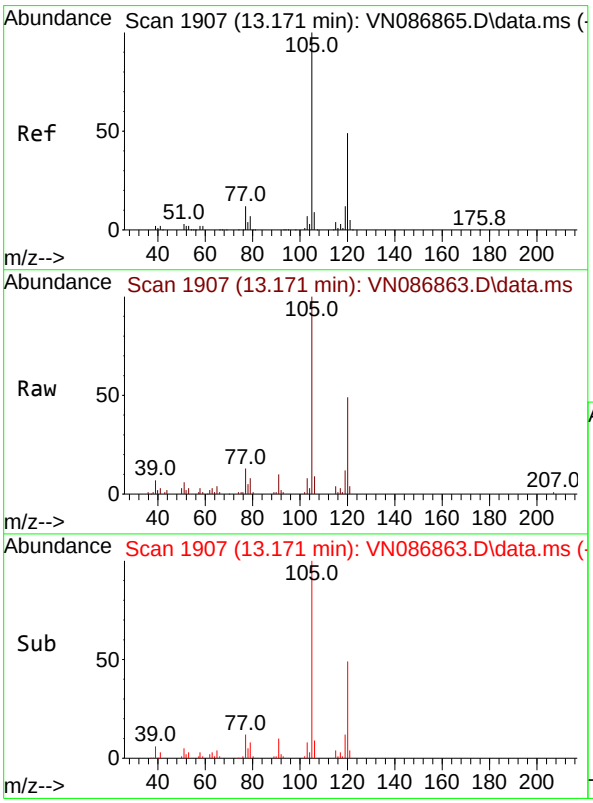
#79
2-Chlorotoluene
Concen: 5.128 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 49297

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5

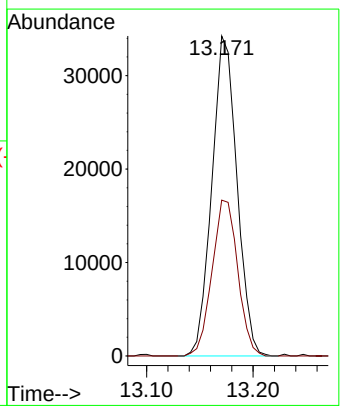


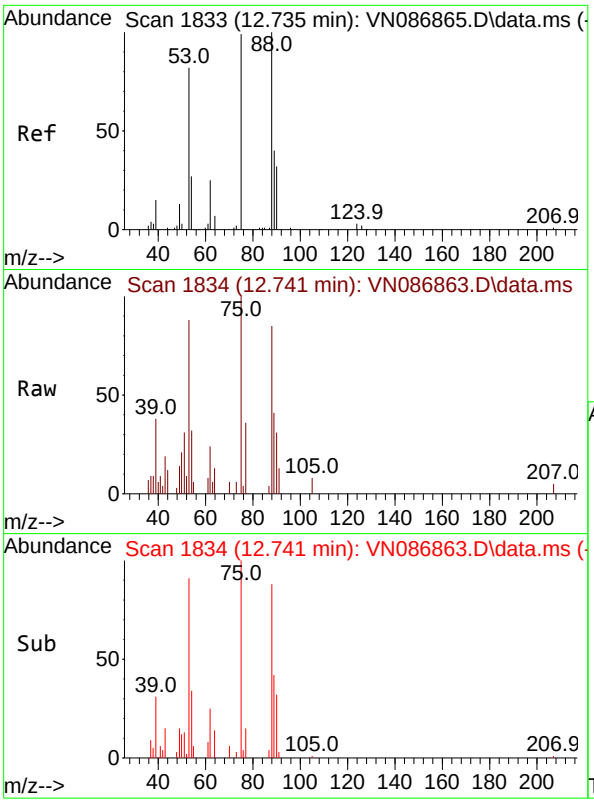


#80
1,3,5-Trimethylbenzene
Concen: 5.139 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 55961

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6



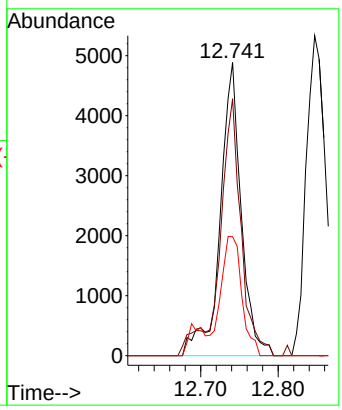


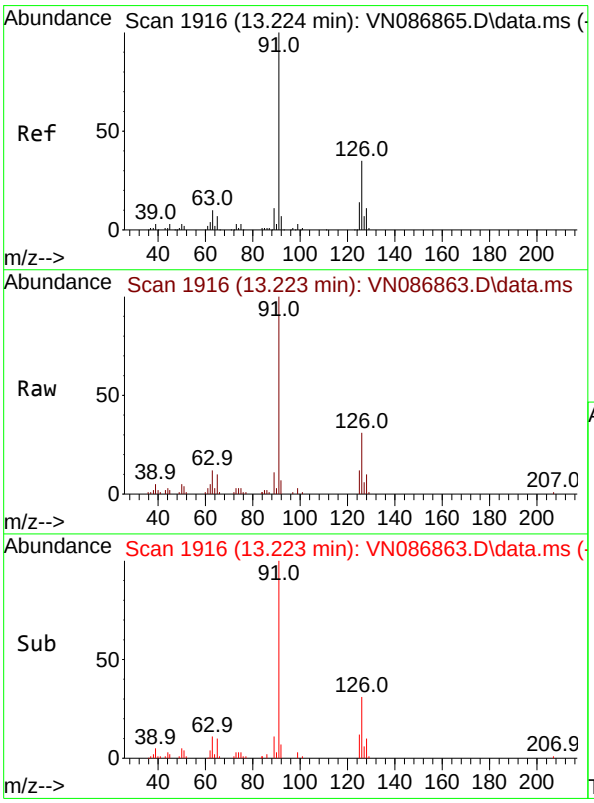
#81
trans-1,4-Dichloro-2-butene
Concen: 4.939 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 9234

Ion	Ratio	Lower	Upper
75	100		
53	88.6	66.6	99.8
89	41.4	36.7	55.1

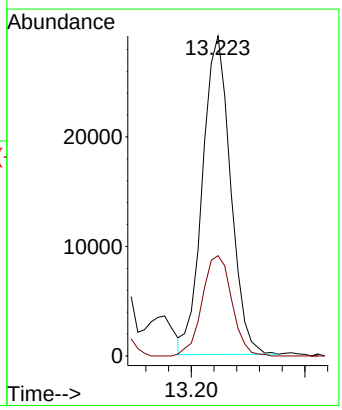


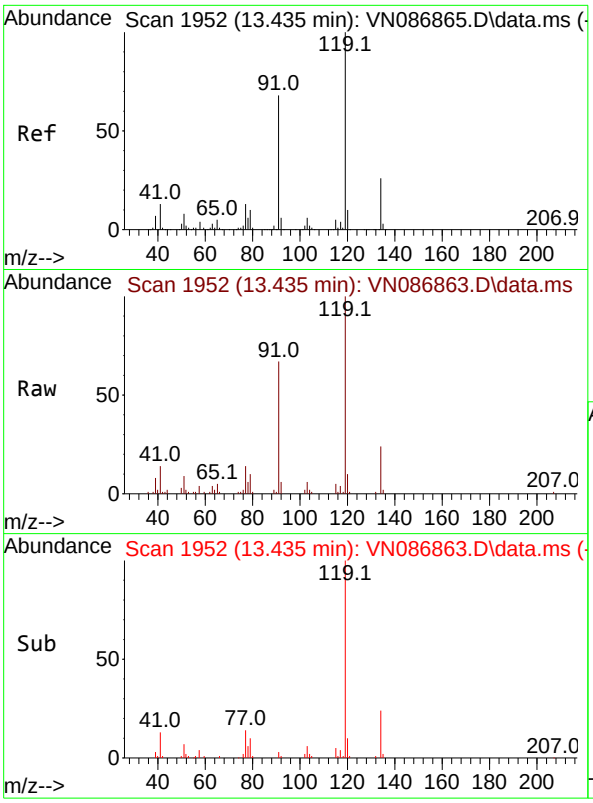


#82
4-Chlorotoluene
Concen: 5.132 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 49924

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1



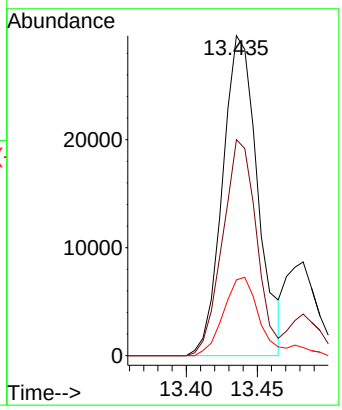


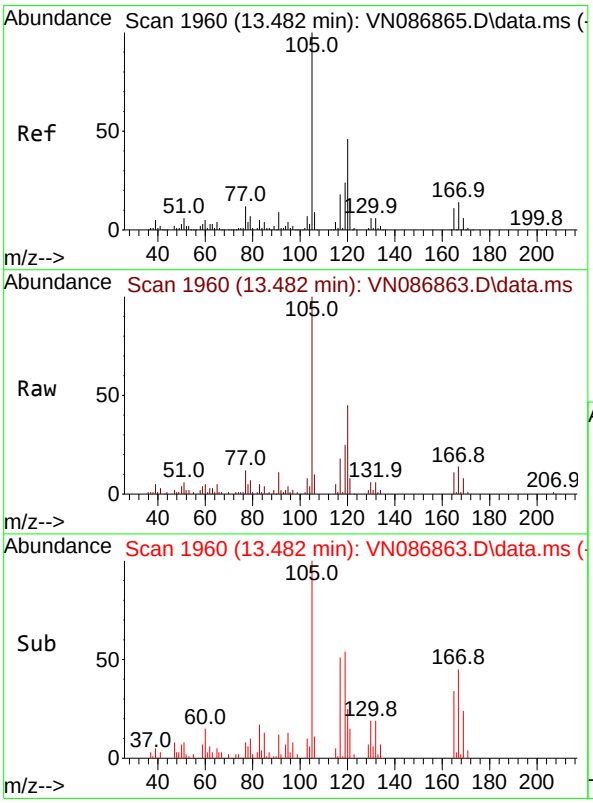
#83
tert-Butylbenzene
Concen: 5.103 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50874

Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	24.5	13.4	40.1

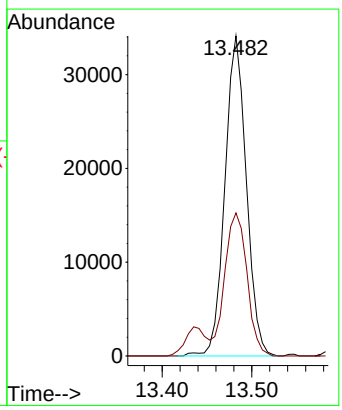


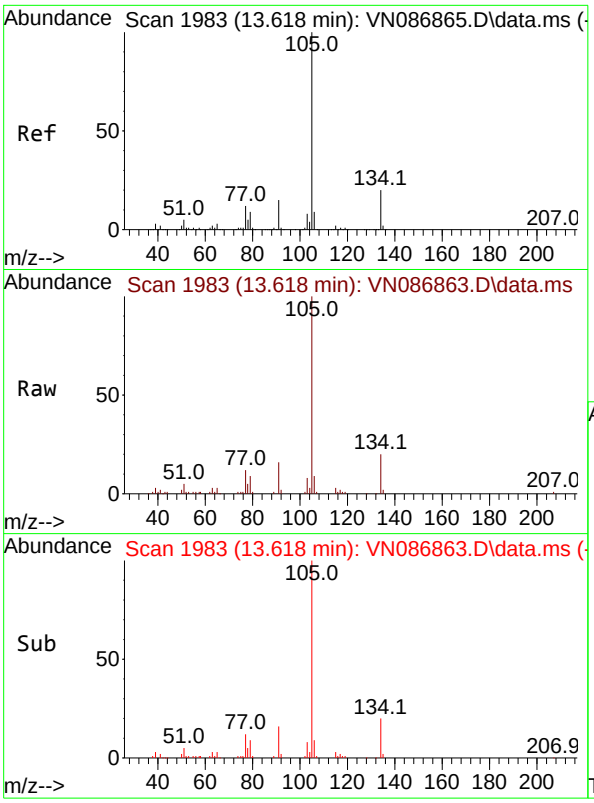


#84
1,2,4-Trimethylbenzene
Concen: 5.176 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 56525

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6



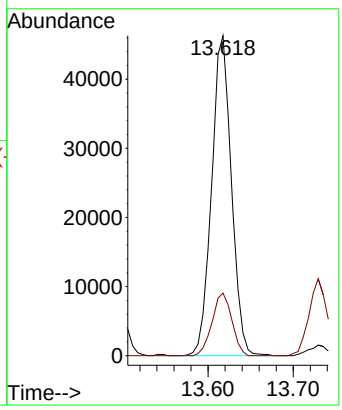


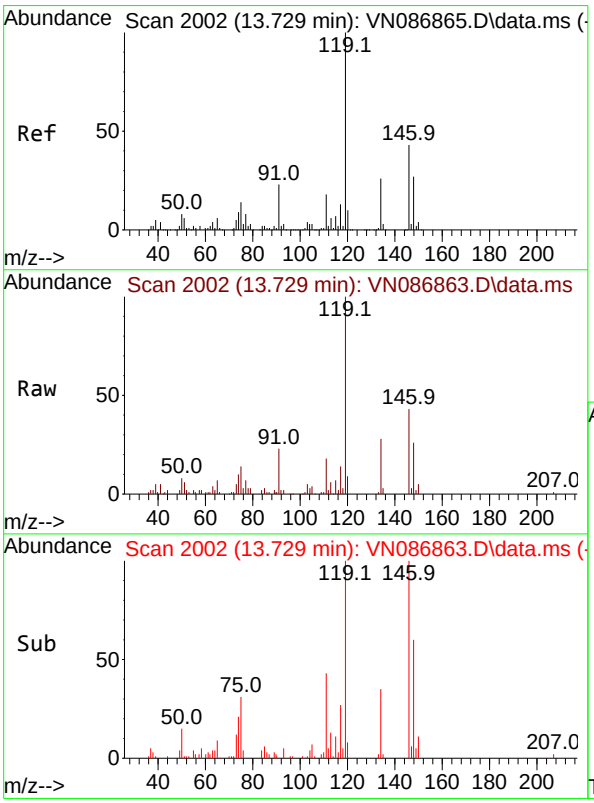
#85
sec-Butylbenzene
Concen: 5.161 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 74711

Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0

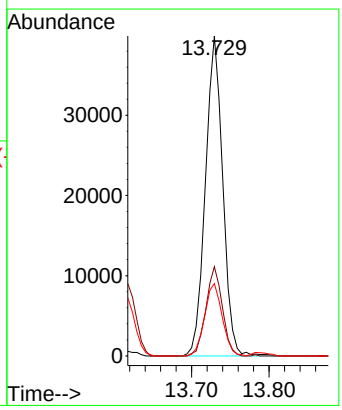


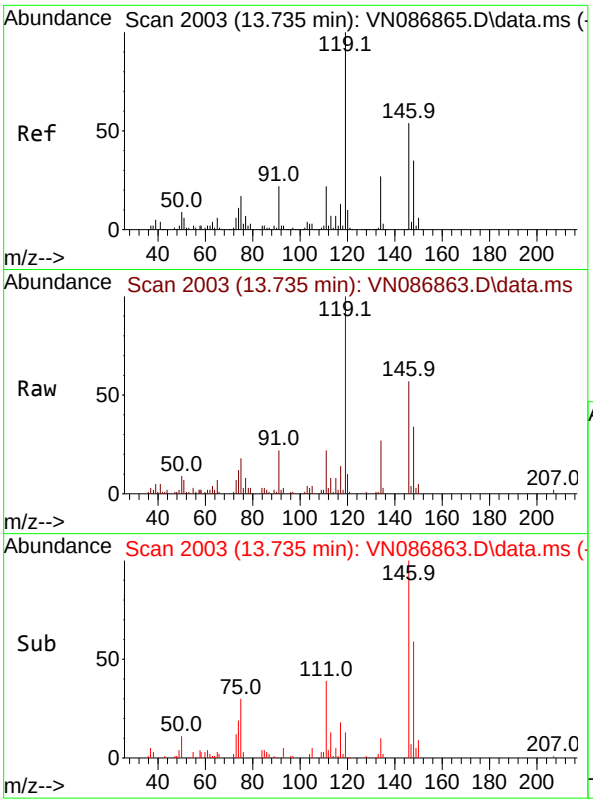


#86
p-Isopropyltoluene
Concen: 5.182 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 62016

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.9	11.5	34.4



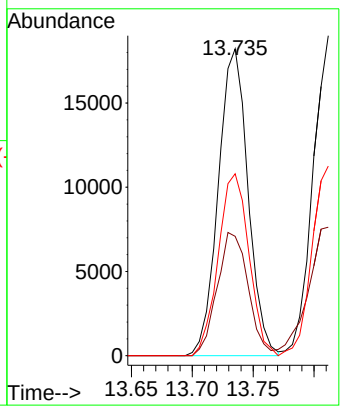


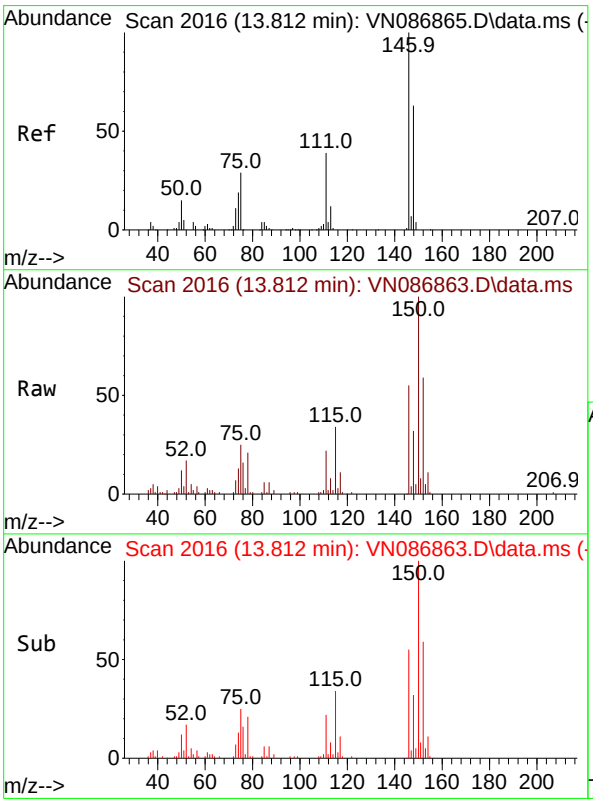
#87
1,3-Dichlorobenzene
Concen: 5.200 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30949

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	61.1	32.0	96.2

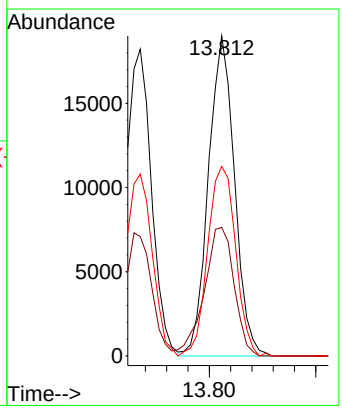


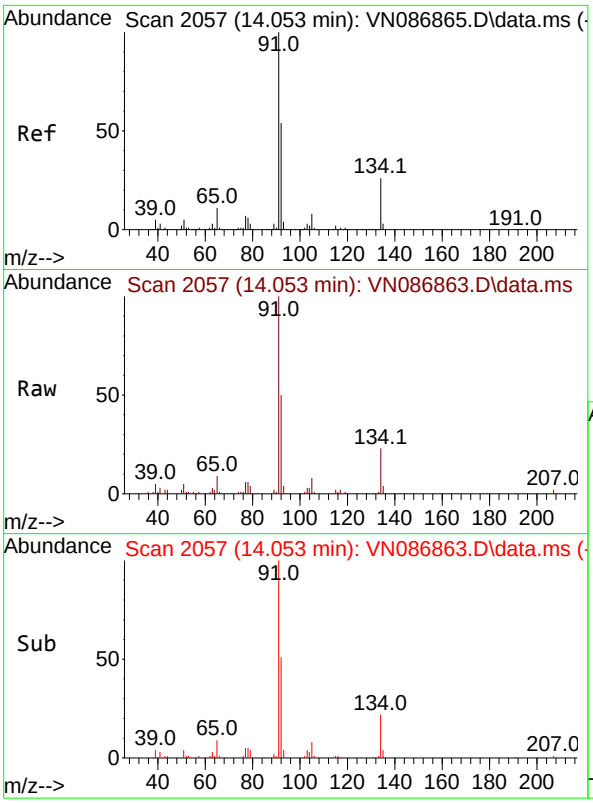


#88
1,4-Dichlorobenzene
Concen: 5.330 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 32342

Ion	Ratio	Lower	Upper
146	100		
111	46.1	19.9	59.7
148	63.3	31.8	95.4



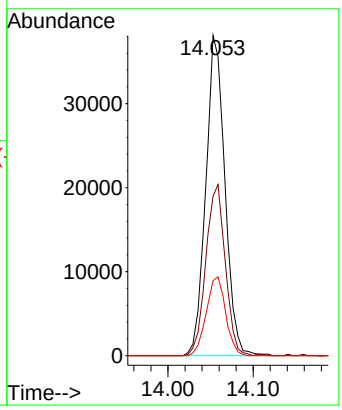


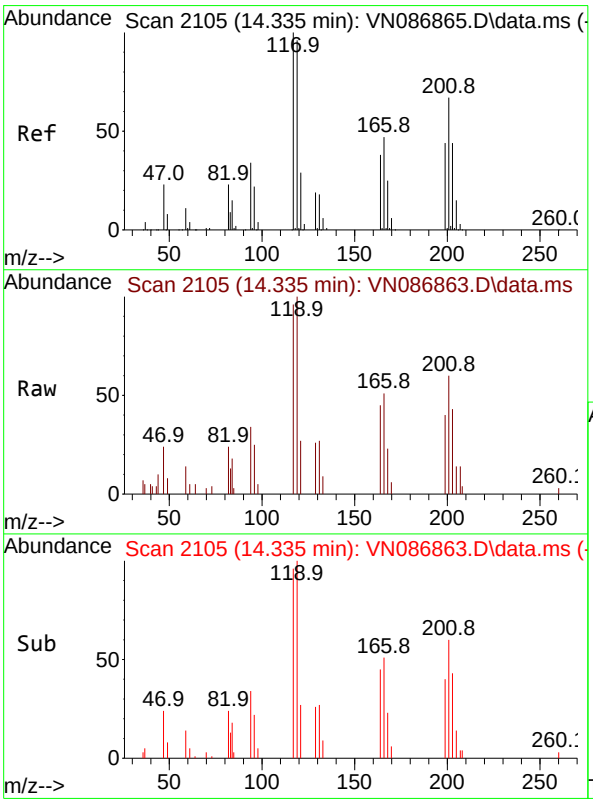
#89
n-Butylbenzene
Concen: 5.142 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 59601

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.9	13.0	39.0

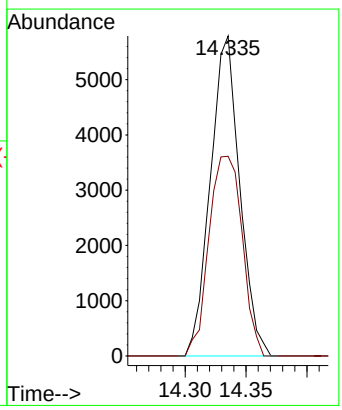


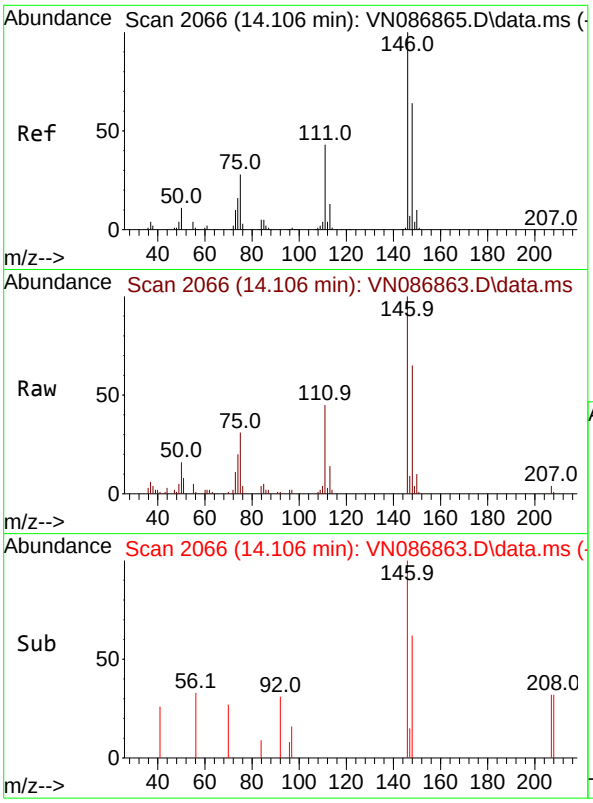


#90
Hexachloroethane
Concen: 4.794 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 9725

Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.2	99.6



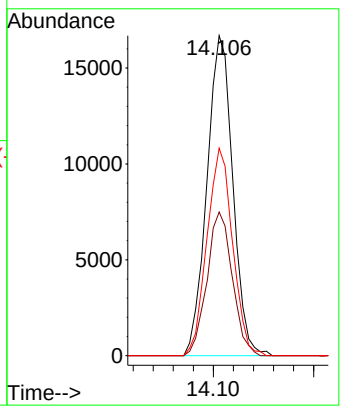


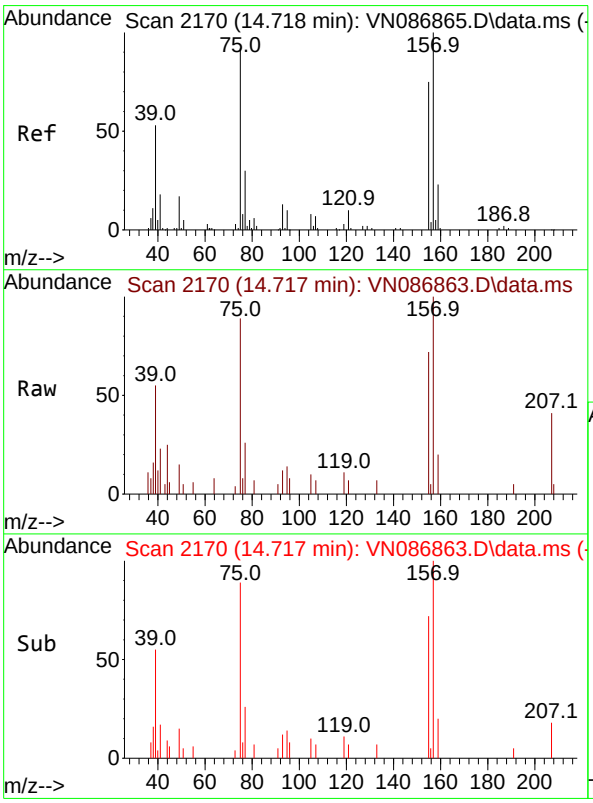
#91
1,2-Dichlorobenzene
Concen: 5.228 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 29897

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.3	31.7	95.1

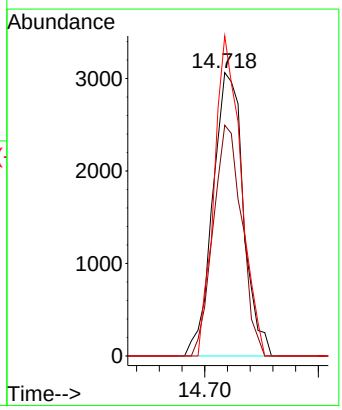


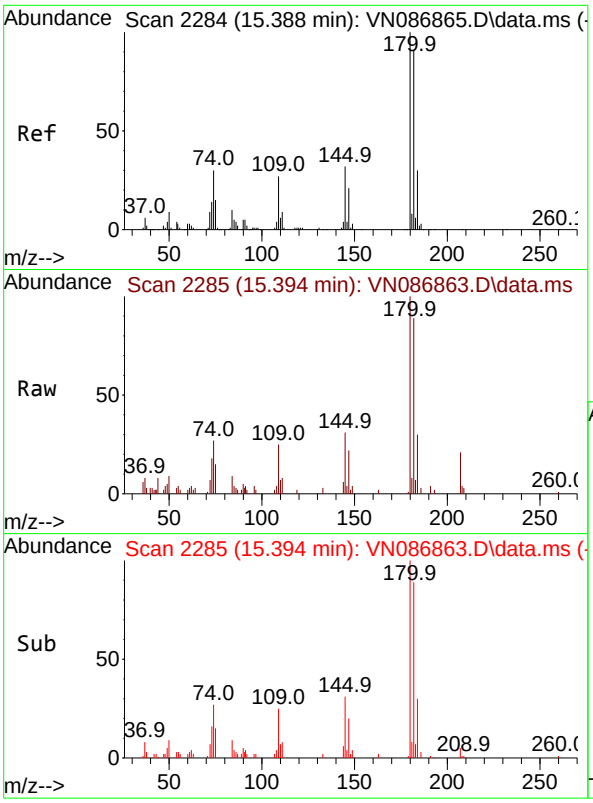


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.363 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 5731

Ion	Ratio	Lower	Upper
75	100		
155	76.0	41.1	123.4
157	98.8	52.7	158.1



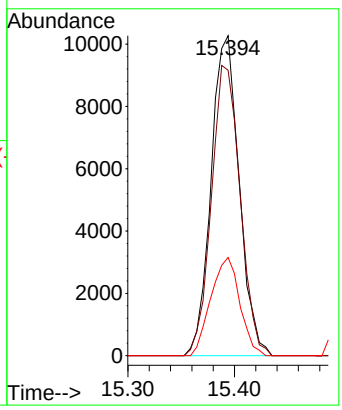


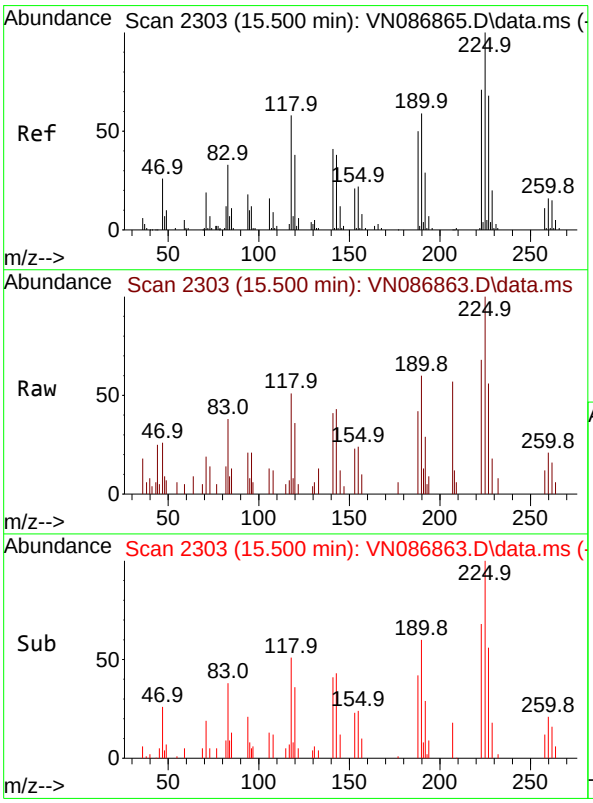
#93
1,2,4-Trichlorobenzene
Concen: 5.143 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 18778

Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.9	140.7
145	31.7	16.0	47.9

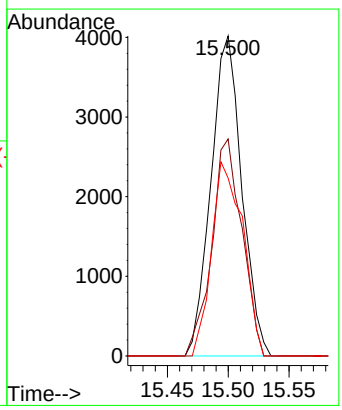


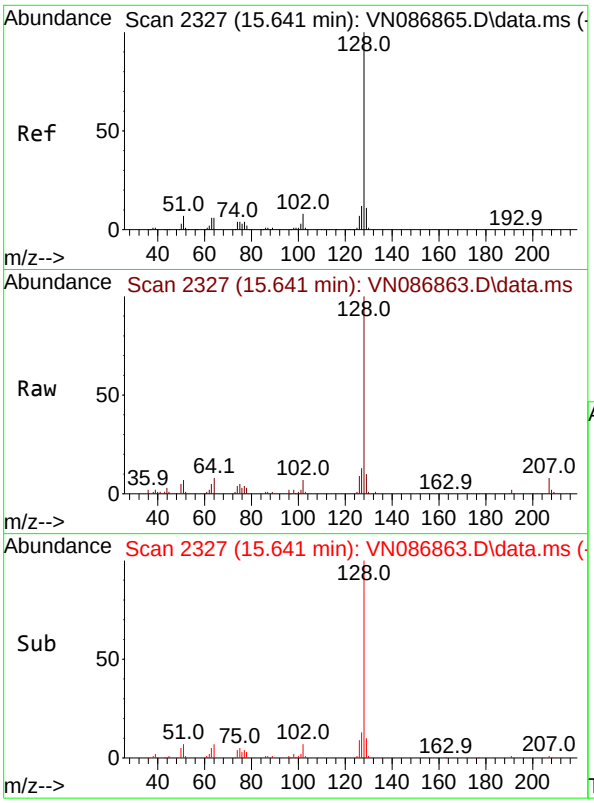


#94
Hexachlorobutadiene
Concen: 5.199 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:225 Resp: 7072

Ion	Ratio	Lower	Upper
225	100		
223	66.4	33.5	100.4
227	61.7	31.1	93.5



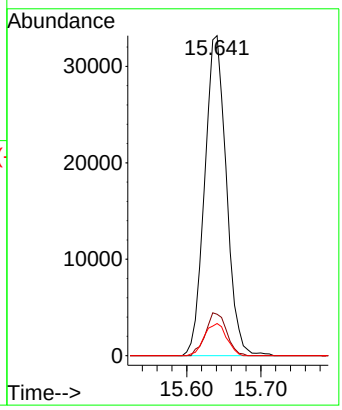


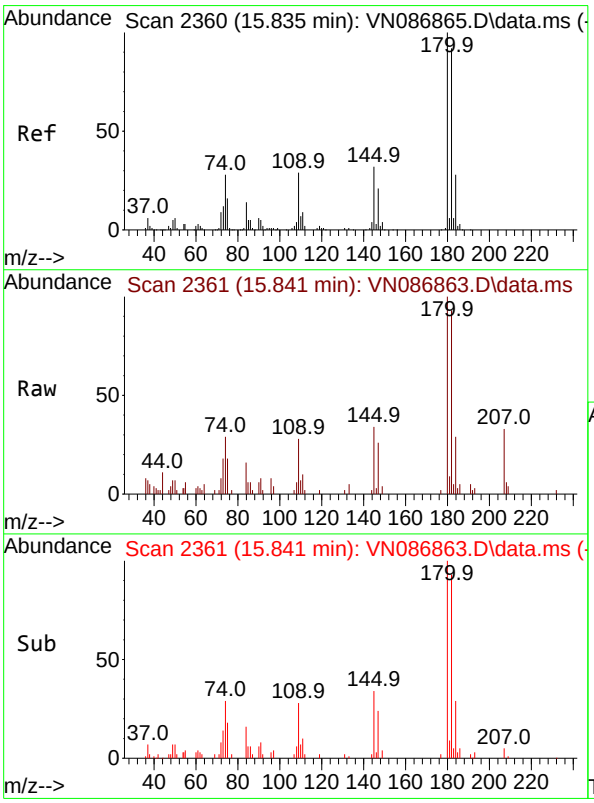
#95
Naphthalene
Concen: 4.965 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 67481

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.3	8.8	13.2

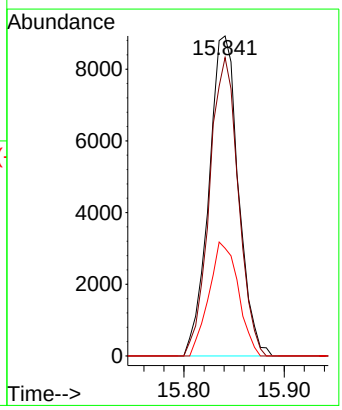




#96
1,2,3-Trichlorobenzene
Concen: 5.034 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 18262

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.0	141.0
145	35.3	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122897	28.448	ug/l		69
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

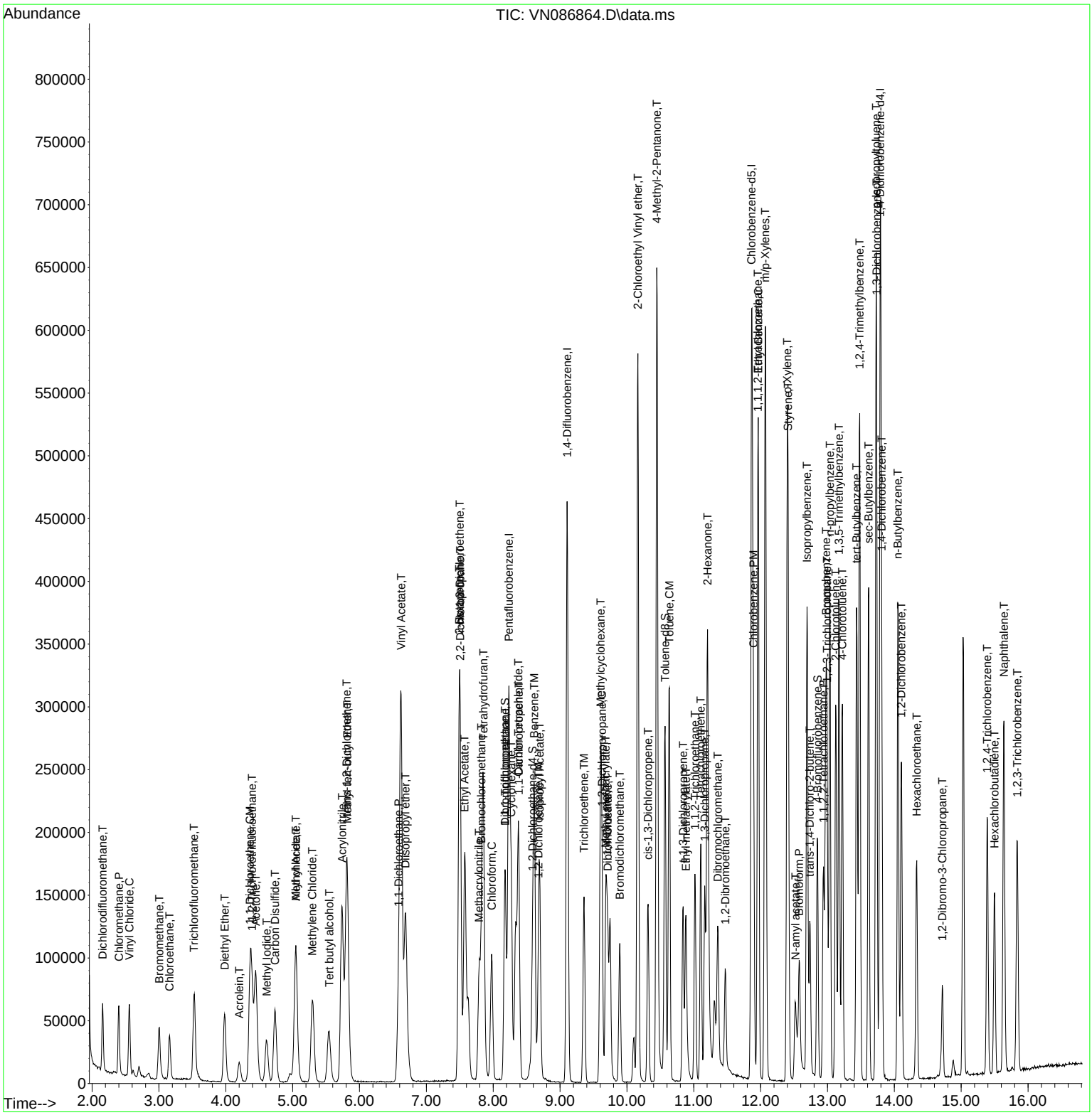
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

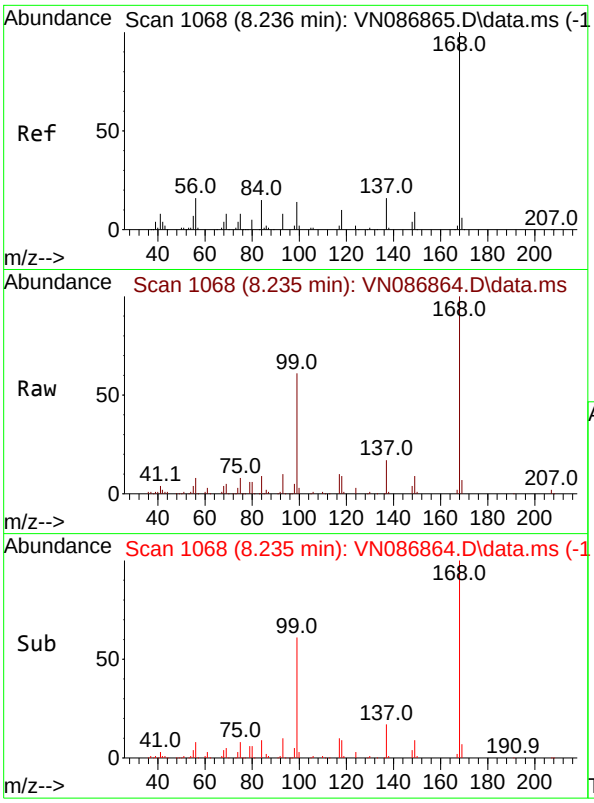
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



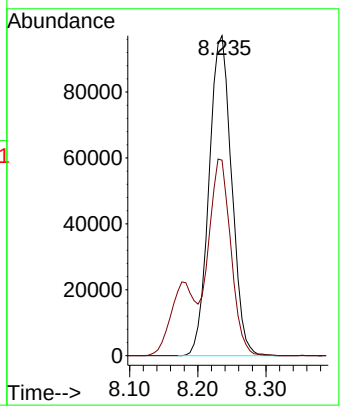


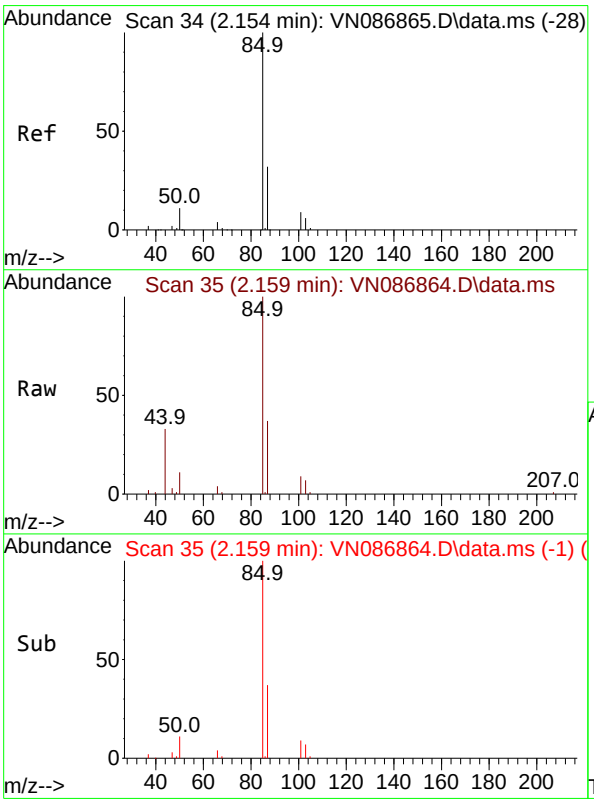
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 224006

Ion	Ratio	Lower	Upper
168	100		
99	61.1	49.1	73.7

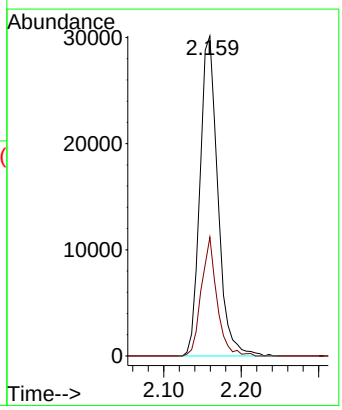


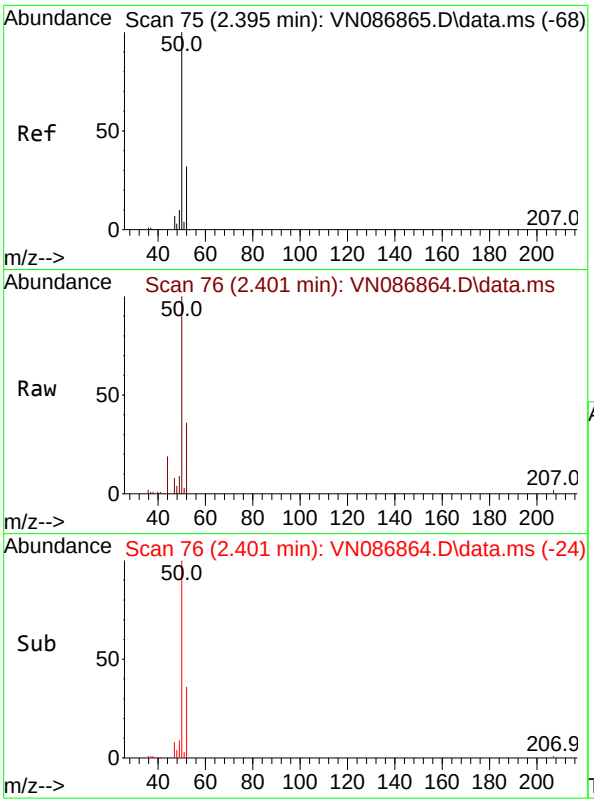


#2
Dichlorodifluoromethane
Concen: 21.605 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 85 Resp: 48254

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.2	48.6



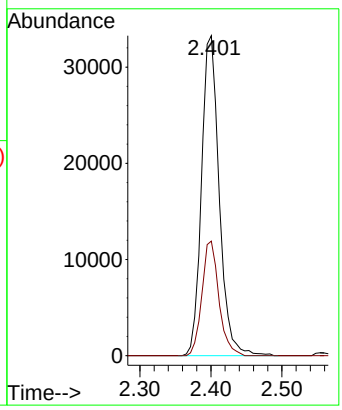


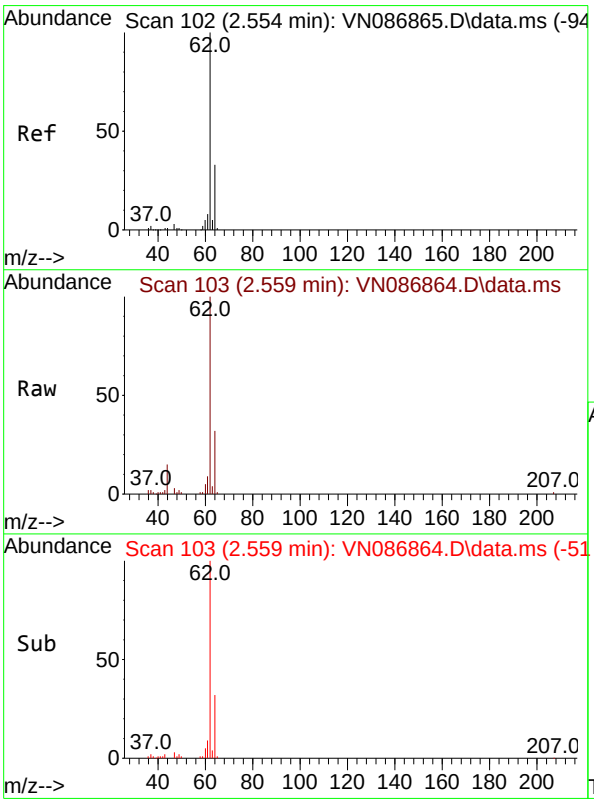
#3
Chloromethane
Concen: 20.033 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 57778

Ion	Ratio	Lower	Upper
50	100		
52	35.8	25.7	38.5

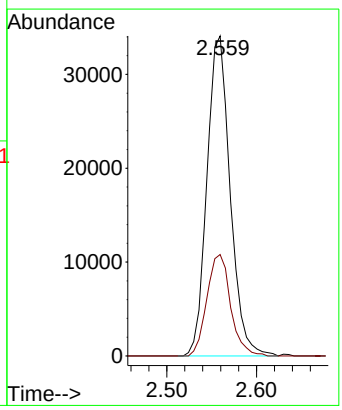


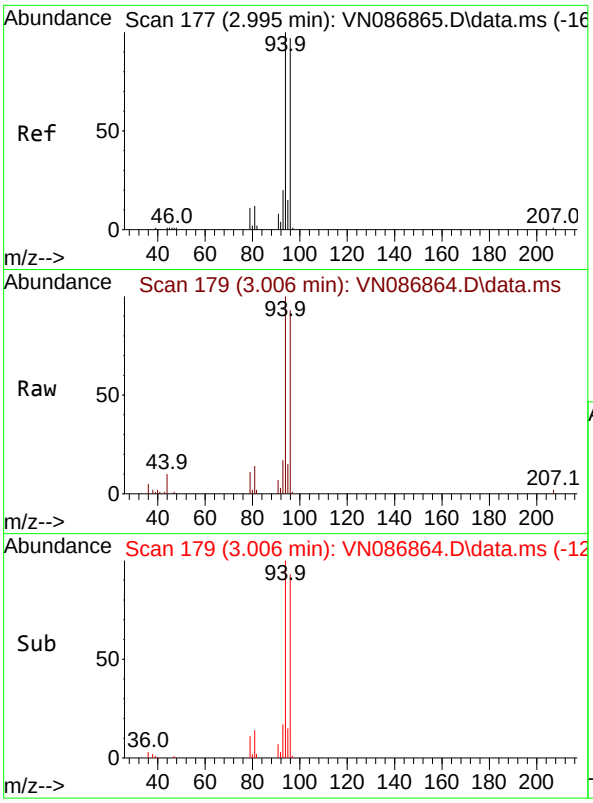


#4
Vinyl Chloride
Concen: 20.589 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 61254

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.0	39.0



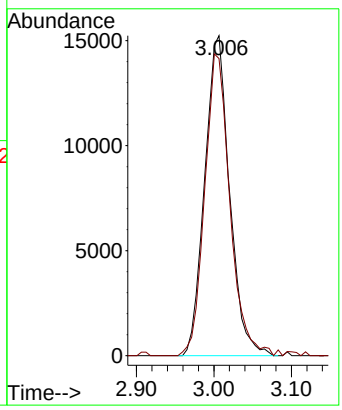


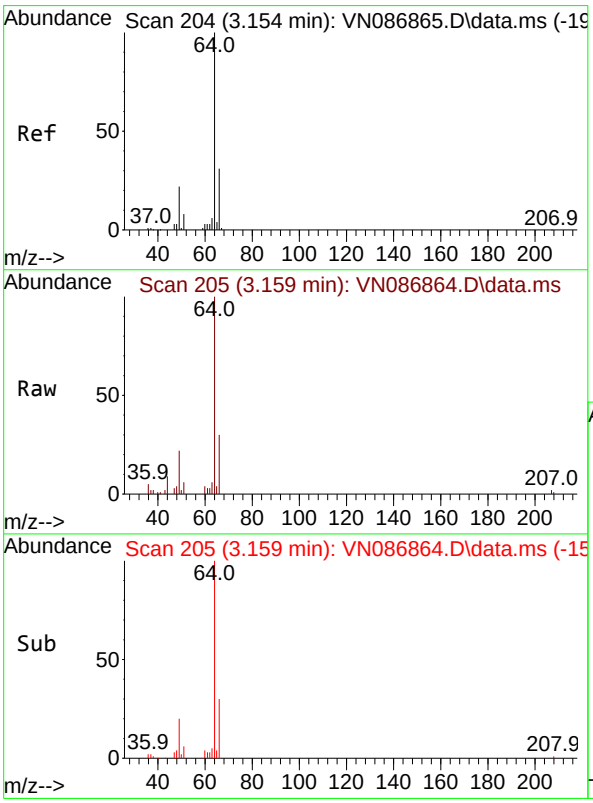
#5
Bromomethane
Concen: 20.435 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34022

Ion	Ratio	Lower	Upper
94	100		
96	92.9	77.9	116.9

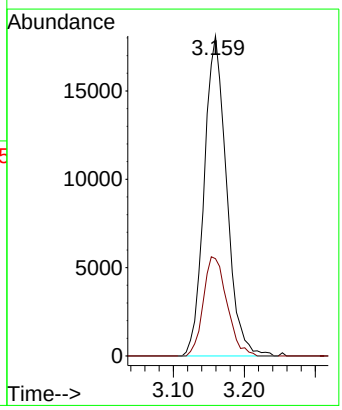


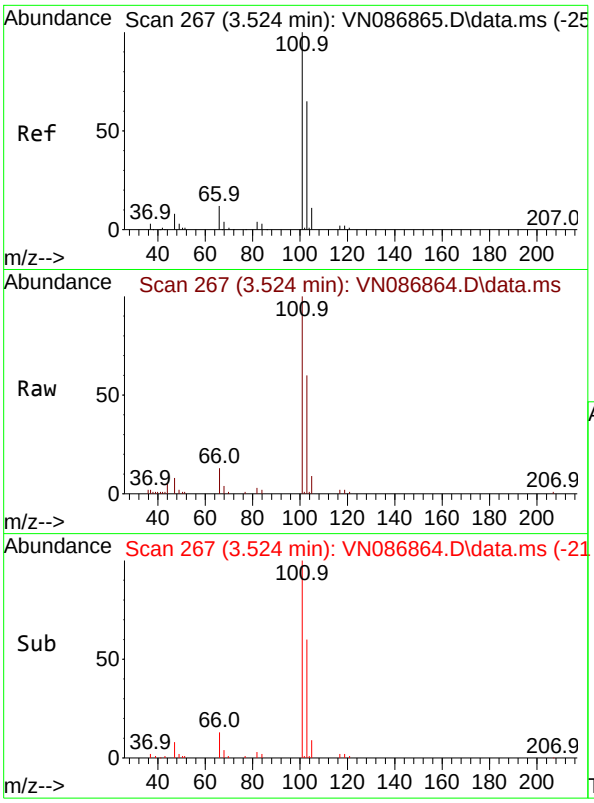


#6
Chloroethane
Concen: 20.619 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 64 Resp: 39625

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	36.8



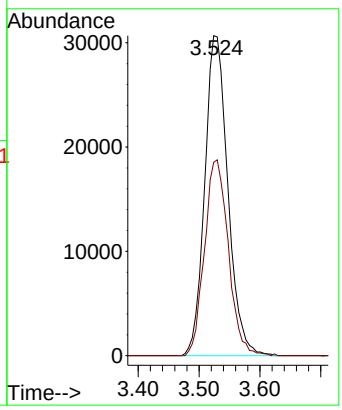


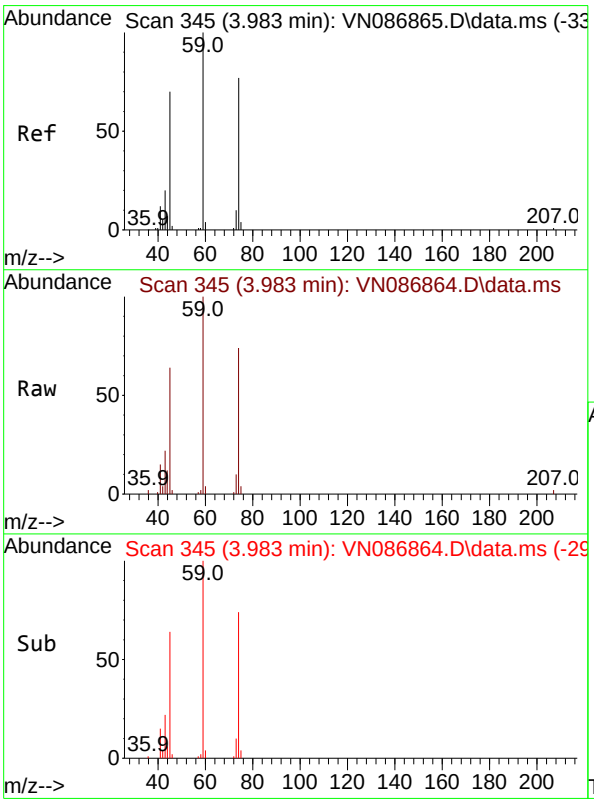
#7
Trichlorofluoromethane
Concen: 20.832 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 80978

Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2

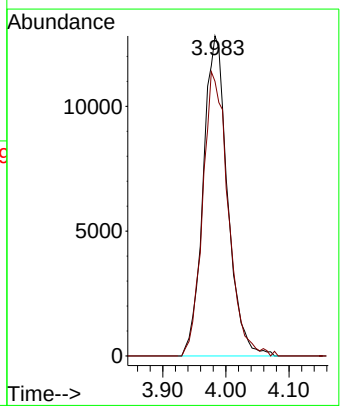


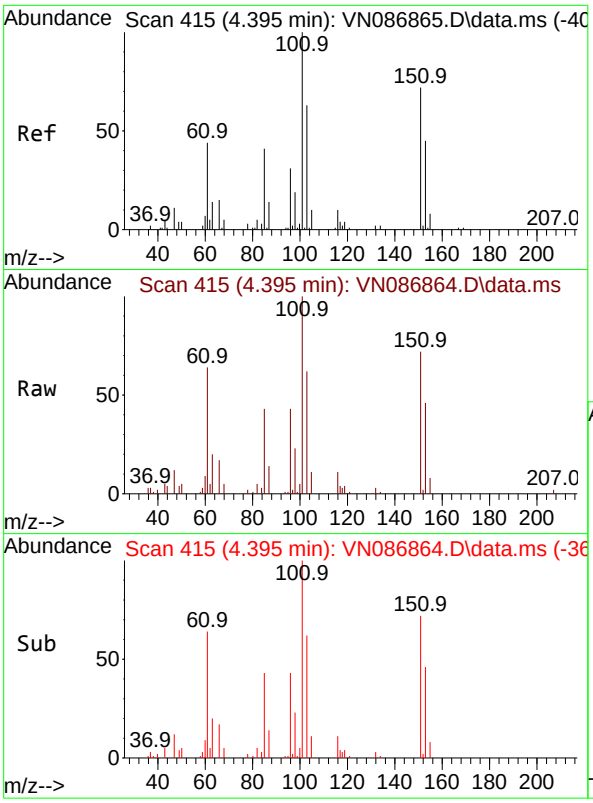


#8
Diethyl Ether
Concen: 20.245 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 74 Resp: 34288

Ion	Ratio	Lower	Upper
74	100		
45	92.9	45.5	136.5



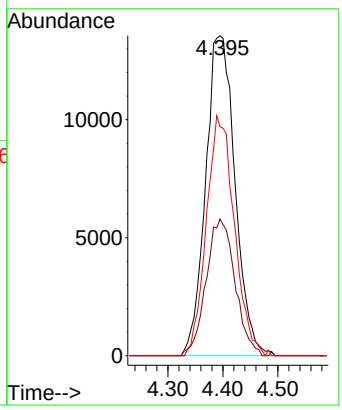


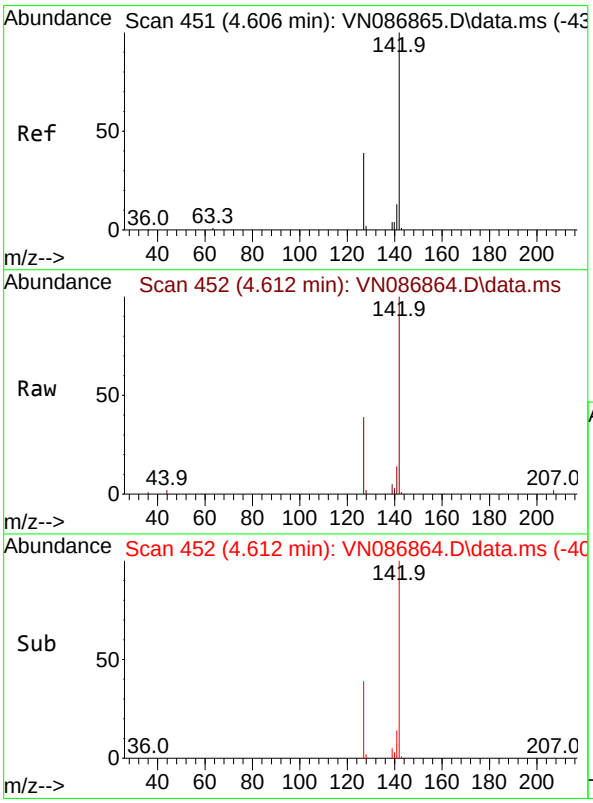
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.661 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 50458

Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.8	50.8
151	71.3	58.7	88.1

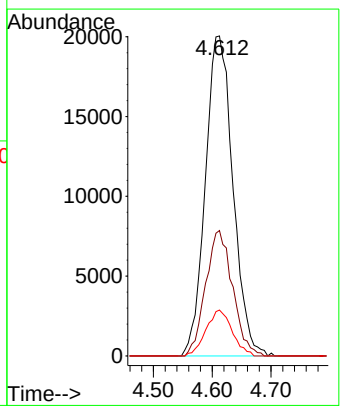


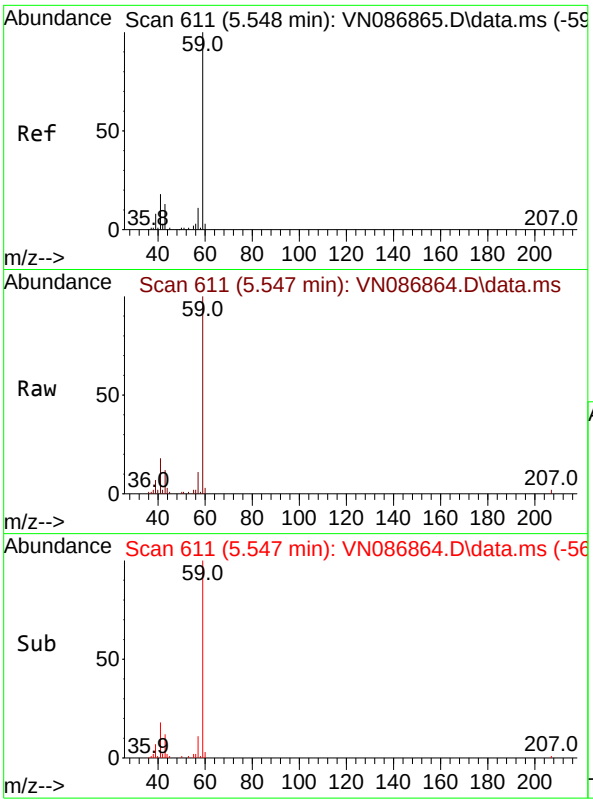


#10
Methyl Iodide
Concen: 20.646 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:142 Resp: 65360

Ion	Ratio	Lower	Upper
142	100		
127	39.2	30.9	46.3
141	14.3	10.4	15.6



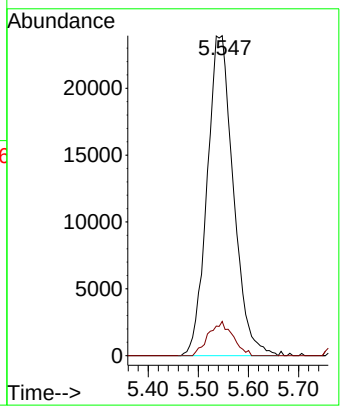


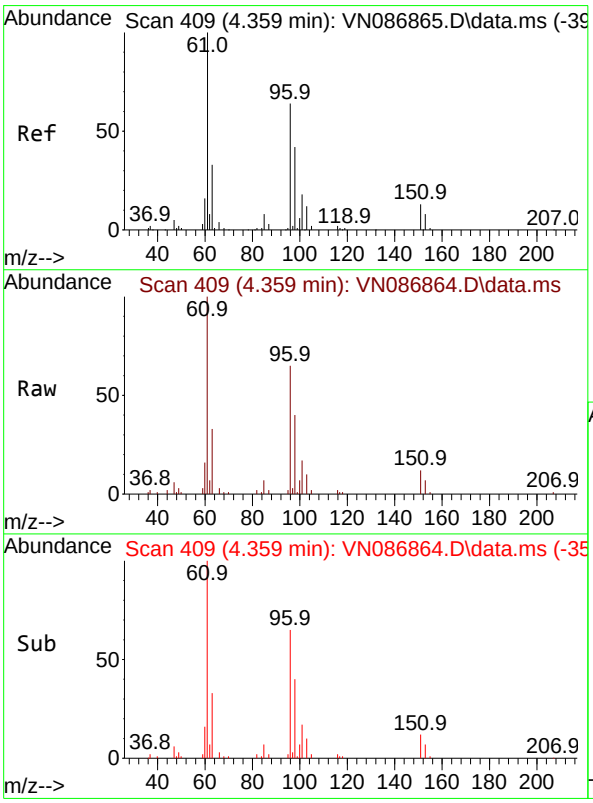
#11
Tert butyl alcohol
Concen: 107.031 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 87102

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

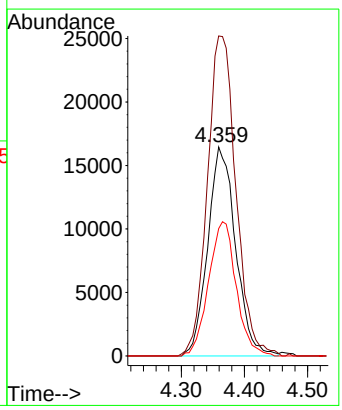


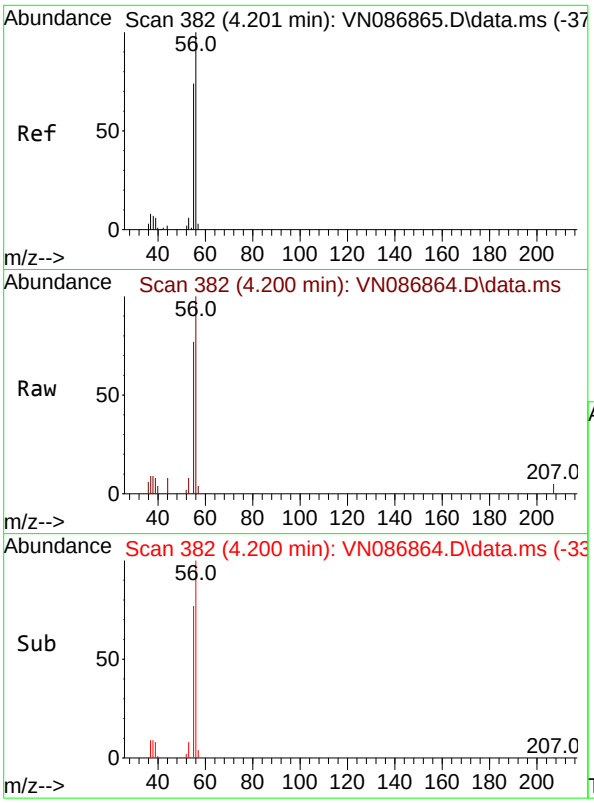


#12
1,1-Dichloroethene
Concen: 20.249 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 50485

Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.8	188.6
98	61.0	52.5	78.7



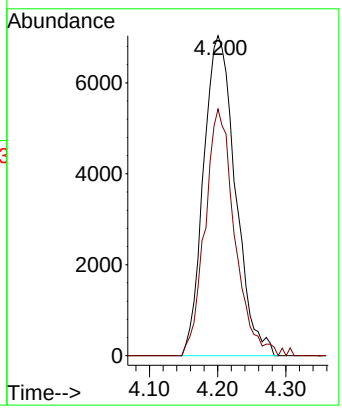


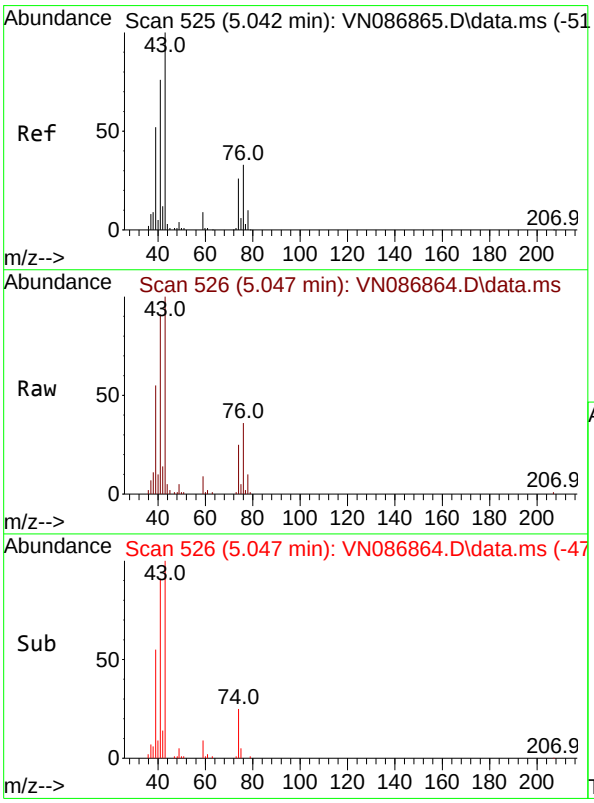
#13
Acrolein
Concen: 88.767 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22866

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.6	83.4

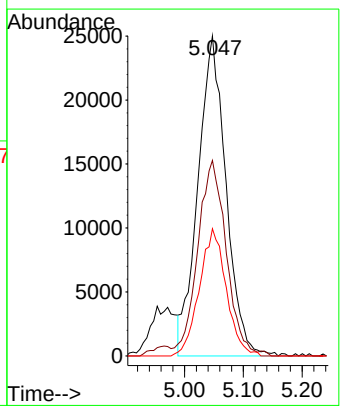


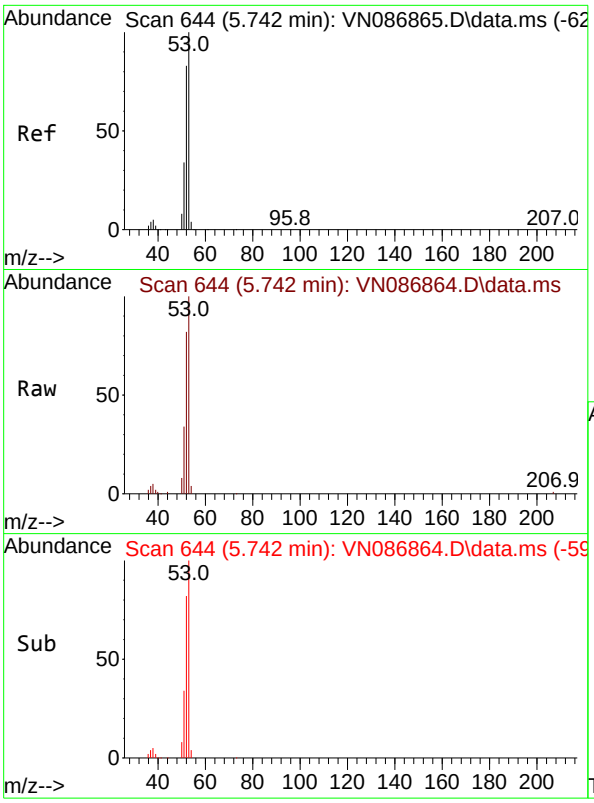


#14
Allyl chloride
Concen: 20.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 82924

Ion	Ratio	Lower	Upper
41	100		
39	62.6	51.3	76.9
76	38.1	31.4	47.0



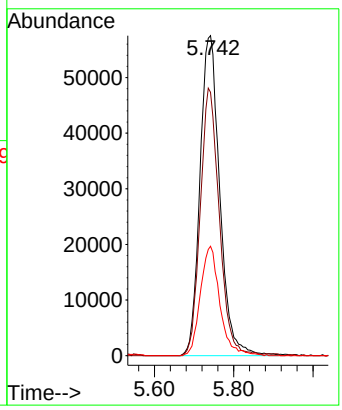


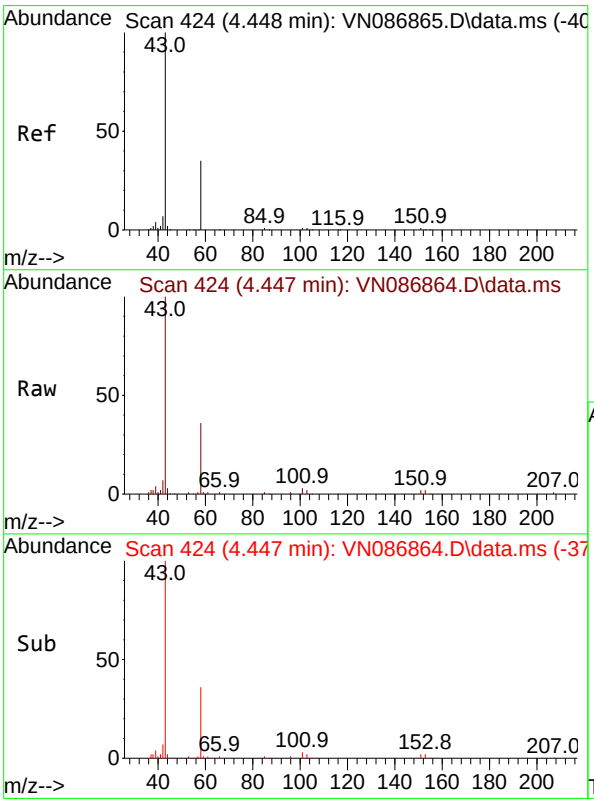
#15
Acrylonitrile
Concen: 104.881 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 199498

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	33.7	27.2	40.8

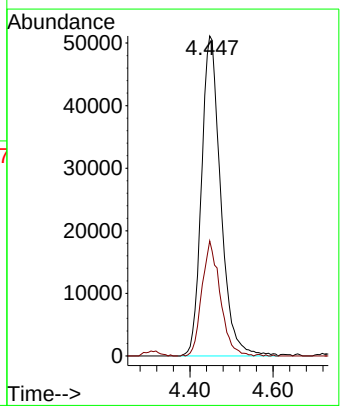


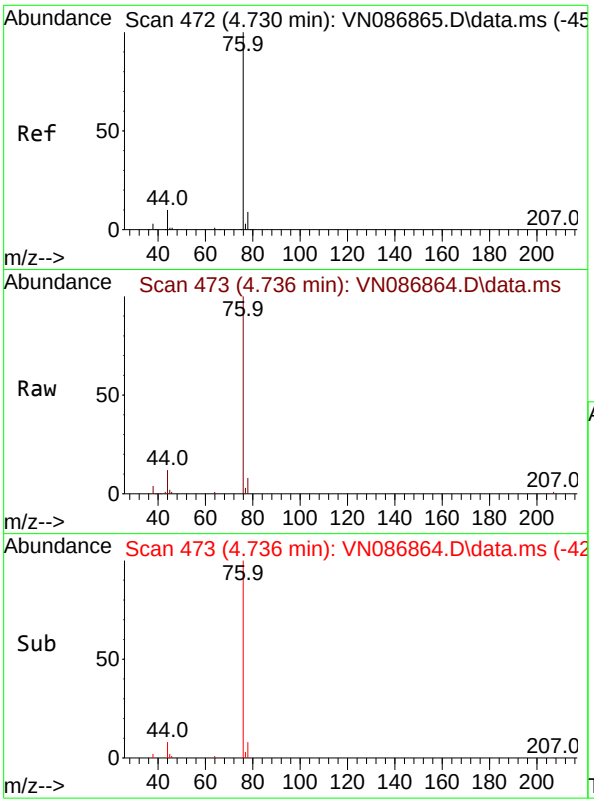


#16
Acetone
Concen: 103.099 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 163979

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0



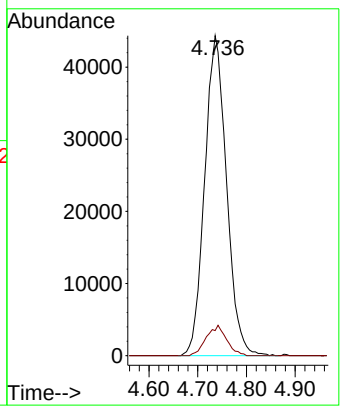


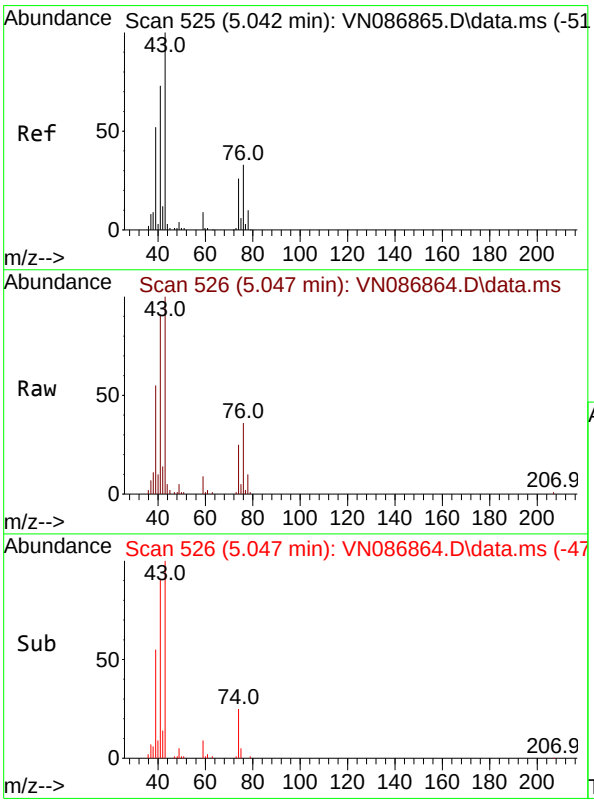
#17
Carbon Disulfide
Concen: 20.038 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 138195

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.3	10.9

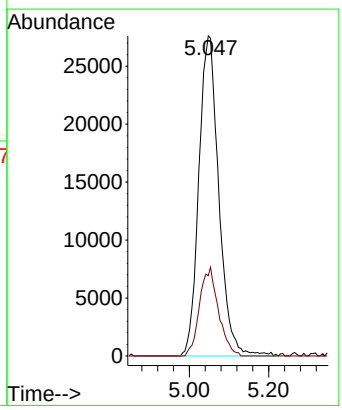


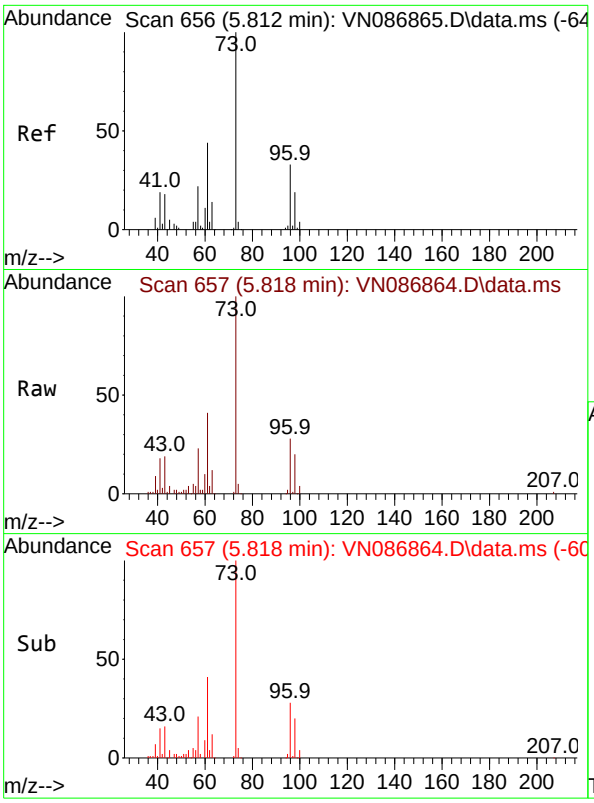


#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 96547

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.7	31.1



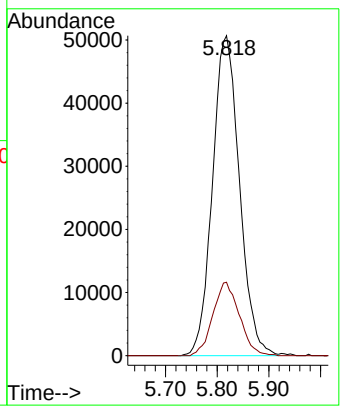


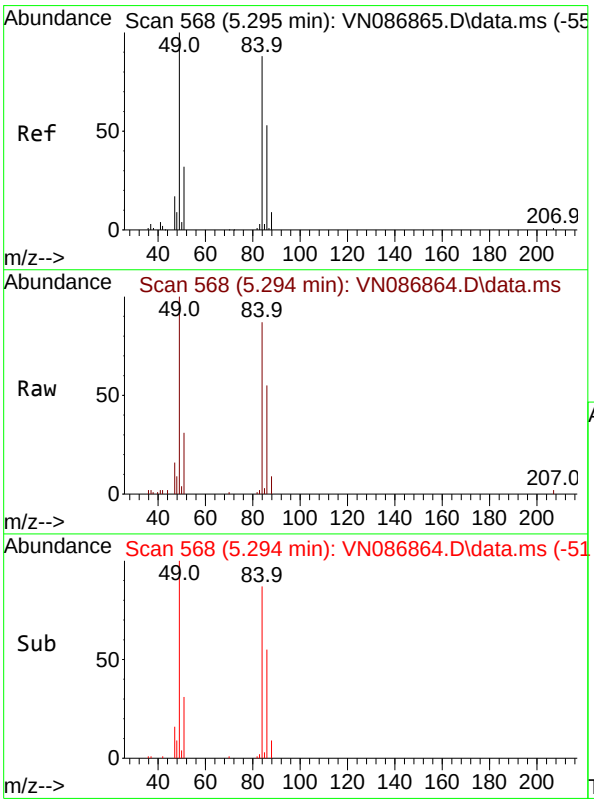
#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 183780

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2

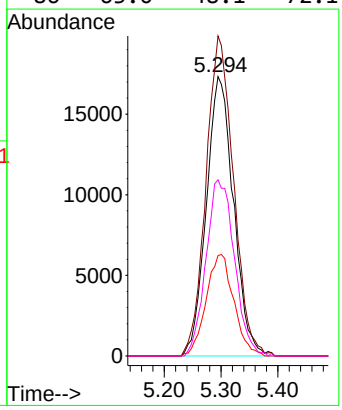


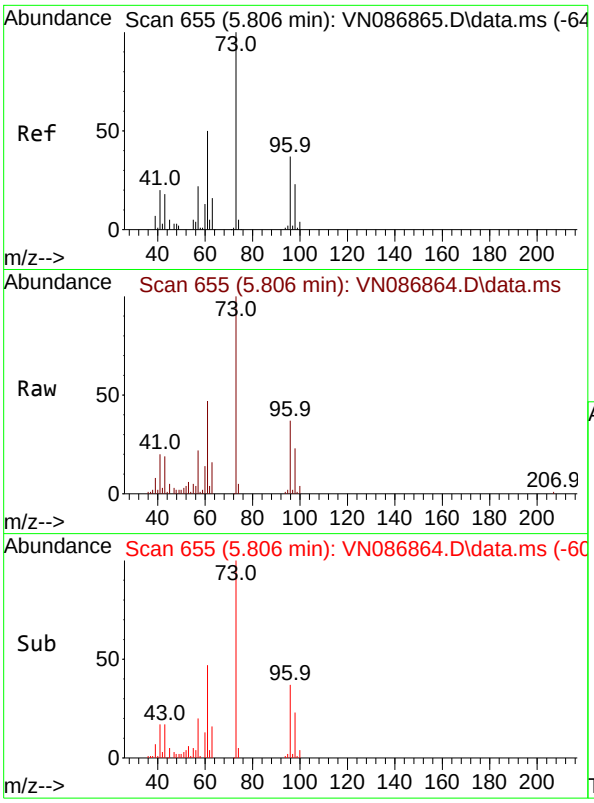


#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 84 Resp: 57611

Ion	Ratio	Lower	Upper
84	100		
49	114.5	90.5	135.7
51	35.9	28.5	42.7
86	63.0	48.1	72.1



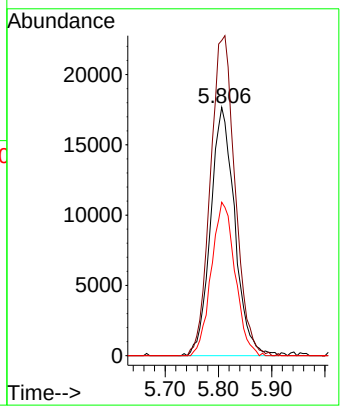


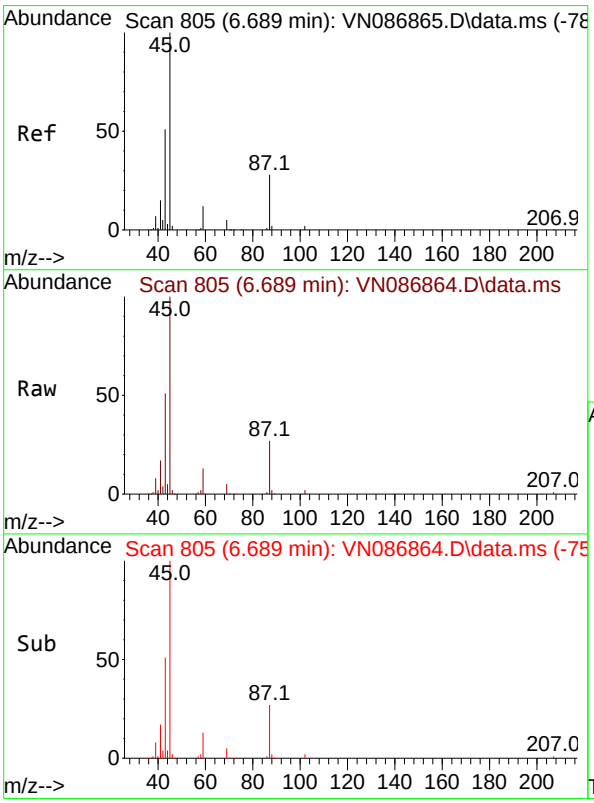
#21
trans-1,2-Dichloroethene
Concen: 20.059 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 55643

Ion	Ratio	Lower	Upper
96	100		
61	126.9	109.2	163.8
98	61.8	49.8	74.8

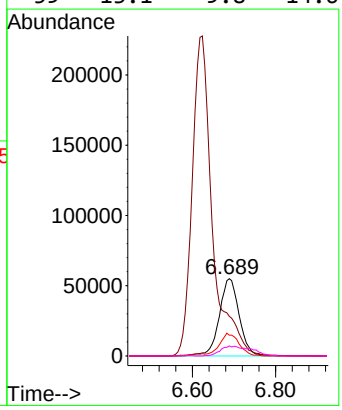


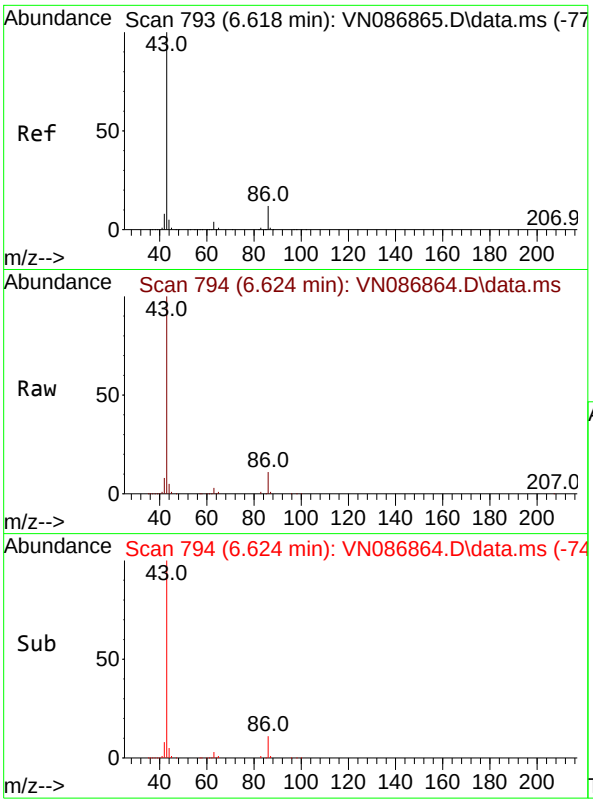


#22
Diisopropyl ether
Concen: 20.935 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 45 Resp: 182472

Ion	Ratio	Lower	Upper
45	100		
43	50.7	41.9	62.9
87	27.0	22.4	33.6
59	13.1	9.8	14.6



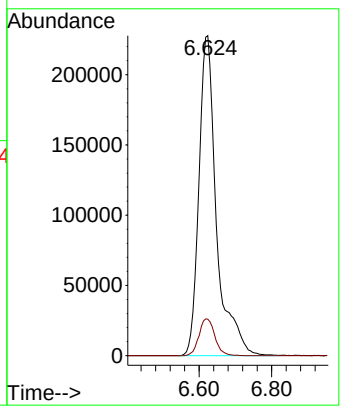


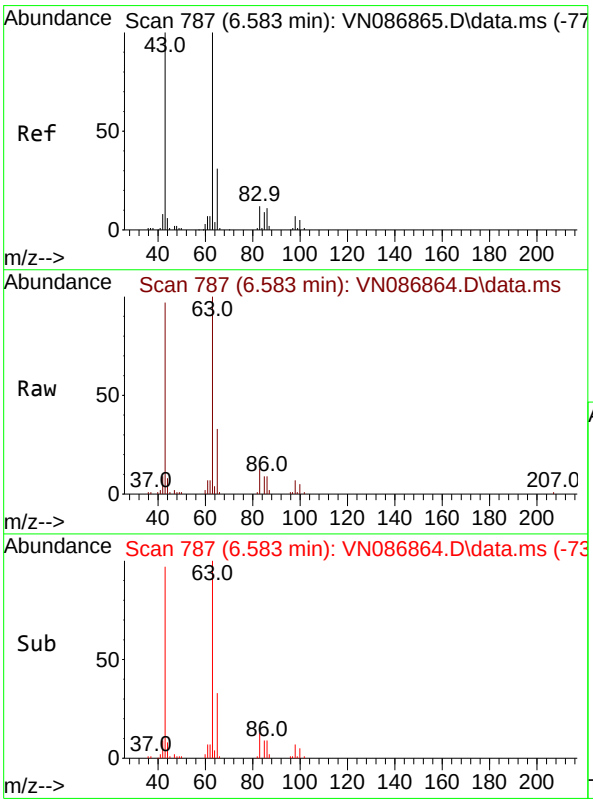
#23
Vinyl Acetate
Concen: 104.365 ug/l
RT: 6.624 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 768556

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.5	14.3

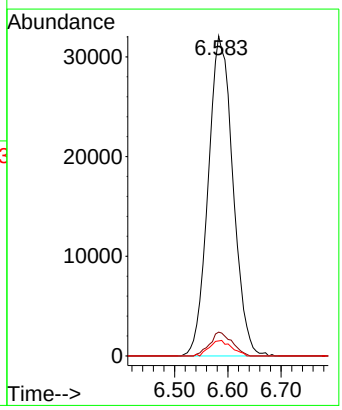


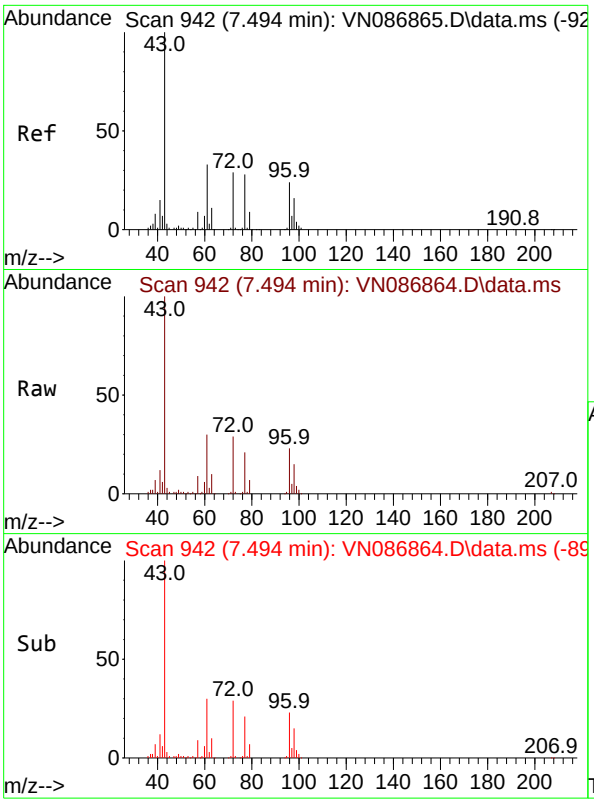


#24
1,1-Dichloroethane
Concen: 20.650 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 103578

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.7	2.6	7.8



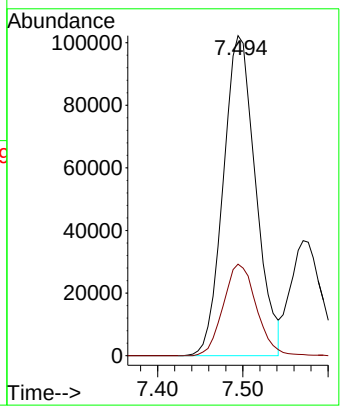


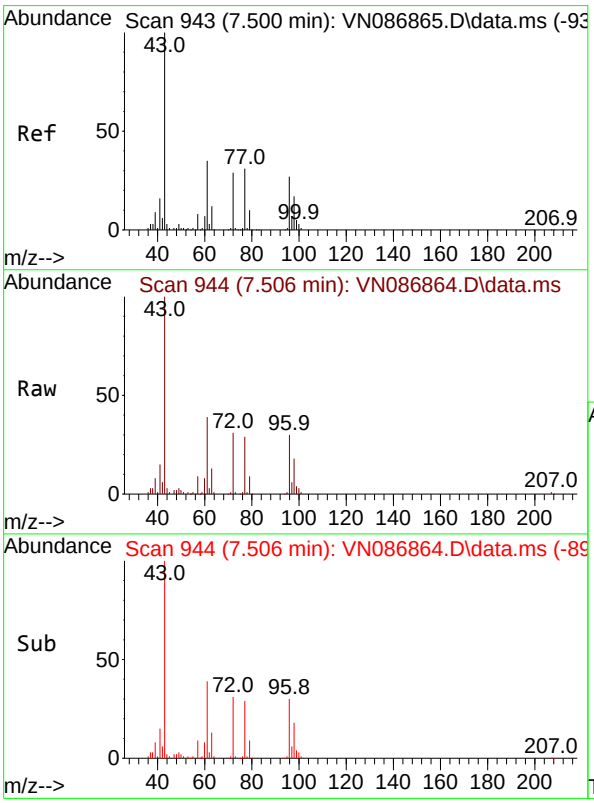
#25
2-Butanone
Concen: 104.621 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 270477

Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.0	34.6

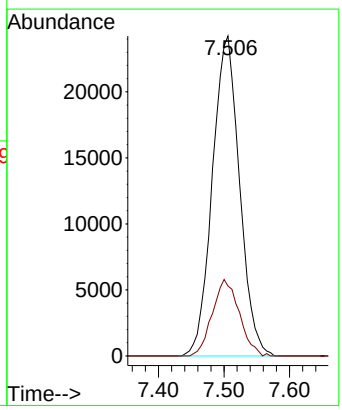


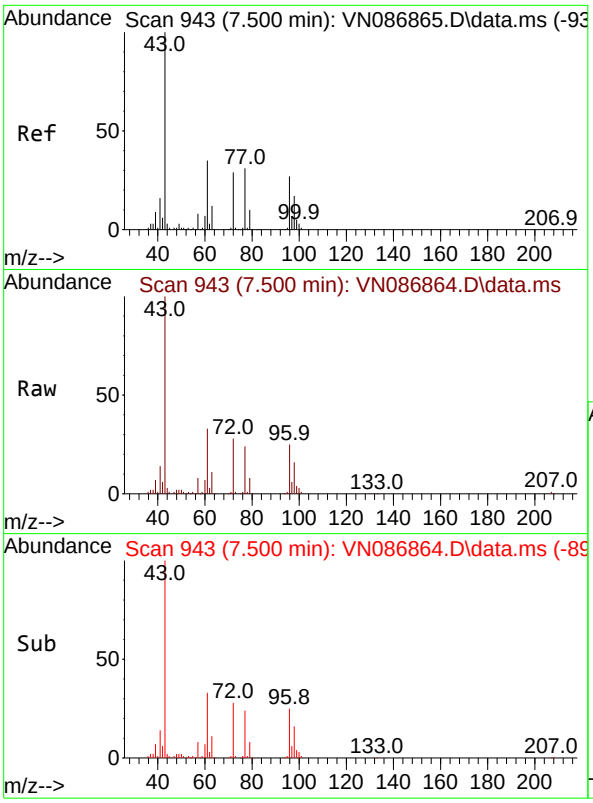


#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 77 Resp: 69692

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



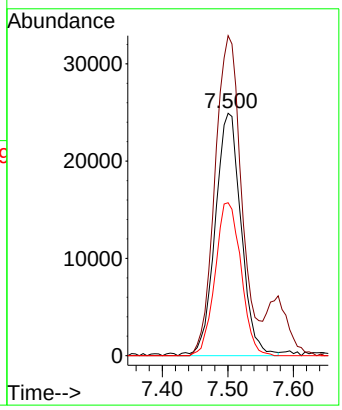


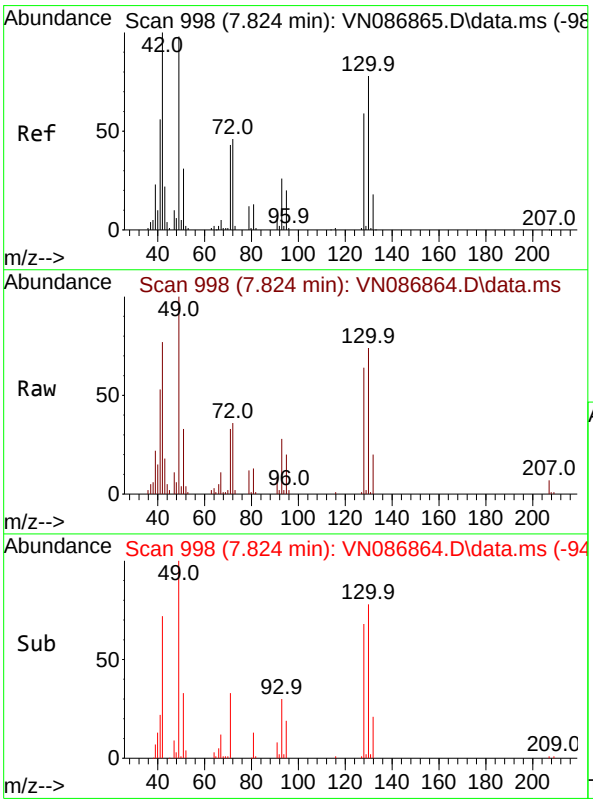
#27
cis-1,2-Dichloroethene
Concen: 20.585 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 68292

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.0
98	63.0	0.0	128.2

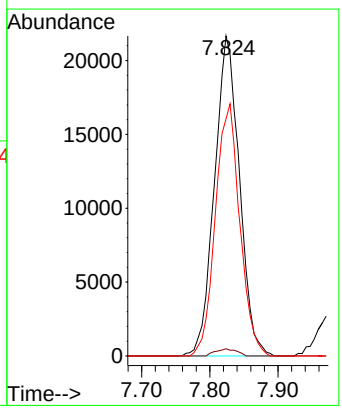


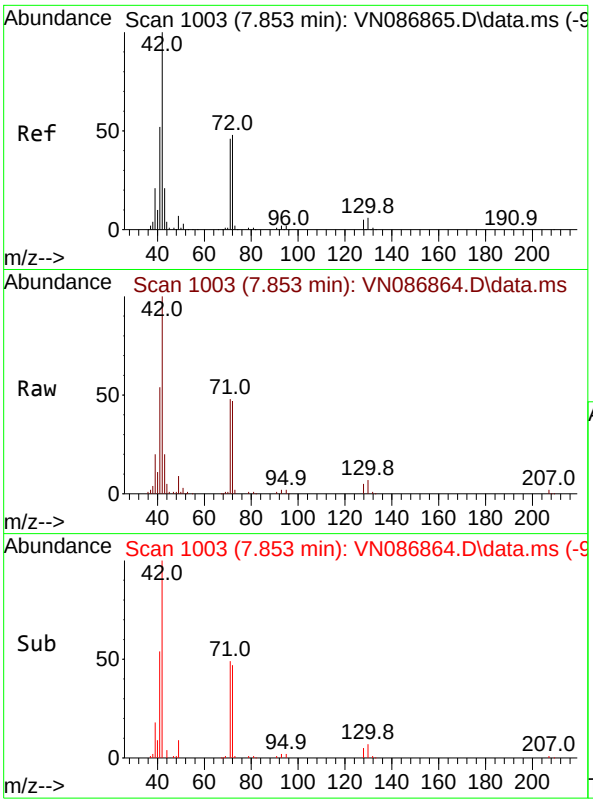


#28
Bromochloromethane
Concen: 22.381 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 49 Resp: 55196

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.1	62.2	93.2



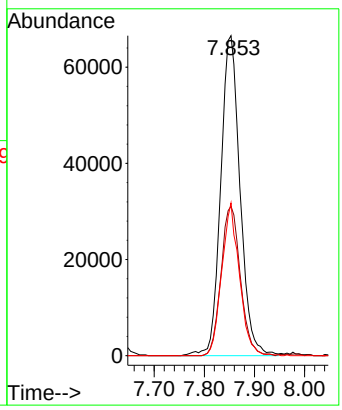


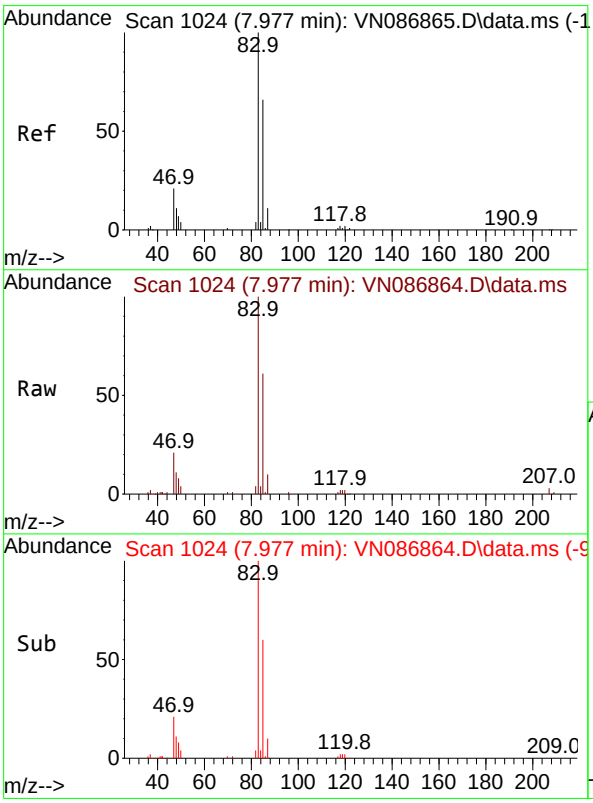
#29
Tetrahydrofuran
Concen: 106.031 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 178571

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.5	35.6	53.4

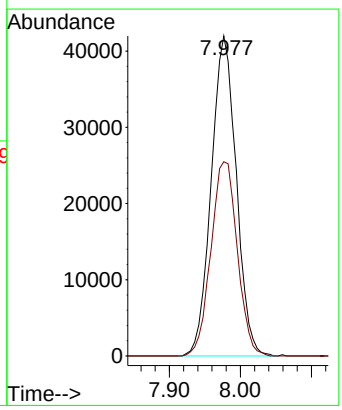


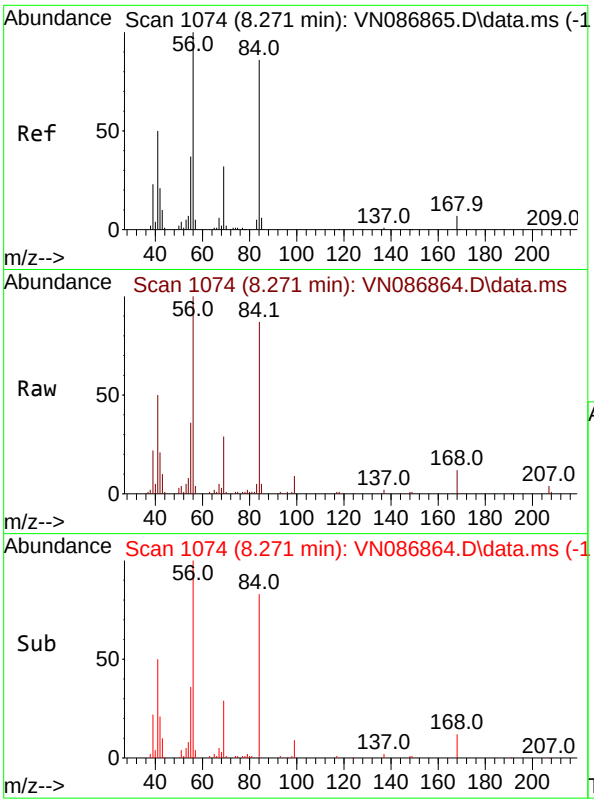


#30
Chloroform
Concen: 20.485 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 102615

Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.9	79.3



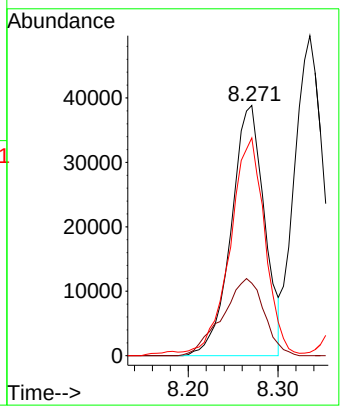


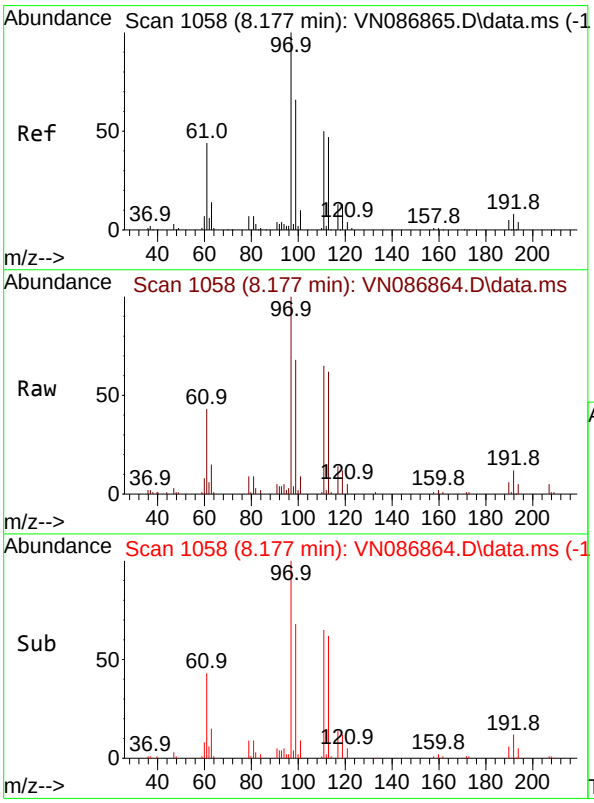
#31
Cyclohexane
Concen: 20.563 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 100026

Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.0
84	85.6	68.8	103.2

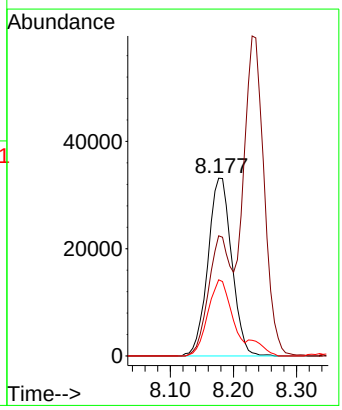


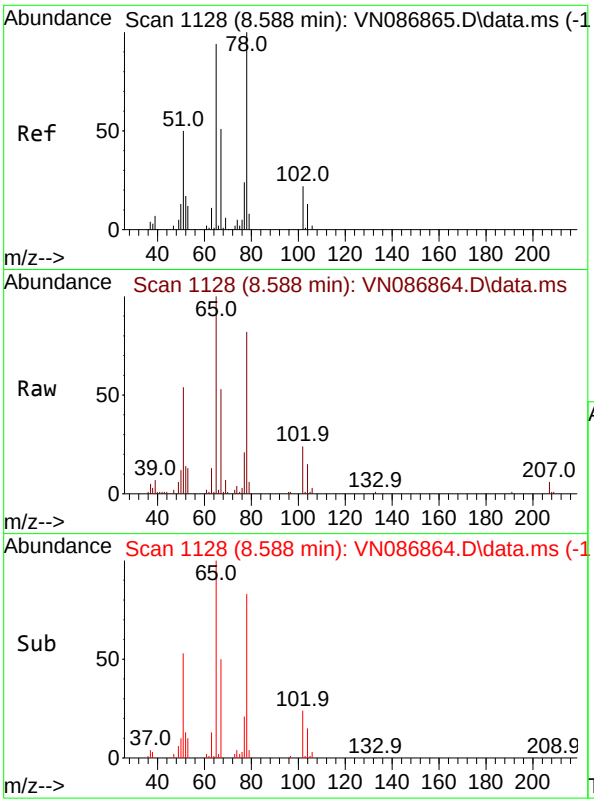


#32
1,1,1-Trichloroethane
Concen: 20.376 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 86810

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.3	35.9	53.9



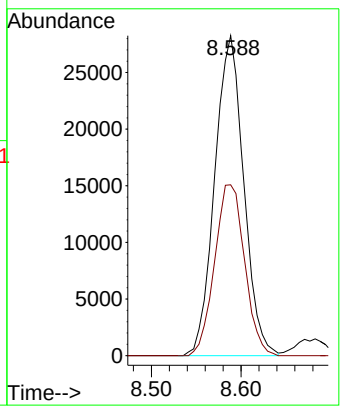


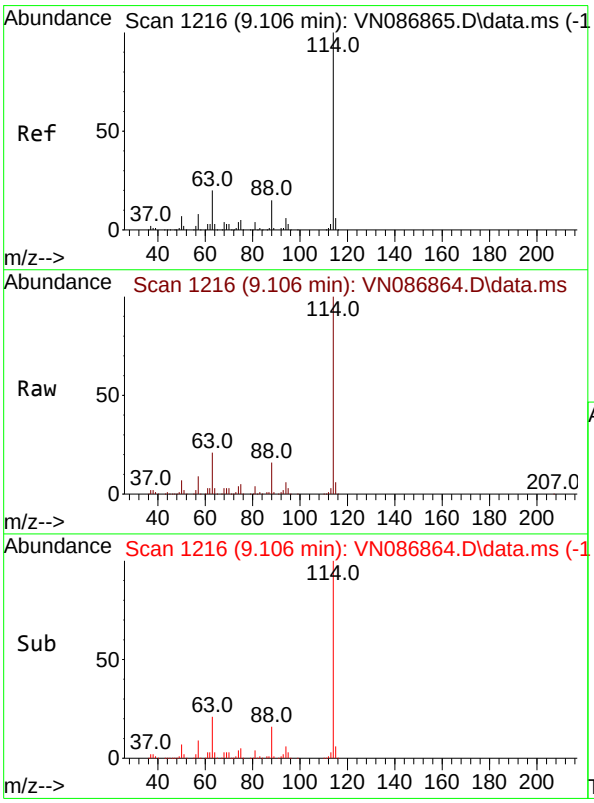
#33
1,2-Dichloroethane-d4
Concen: 21.136 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 63390

Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	105.6

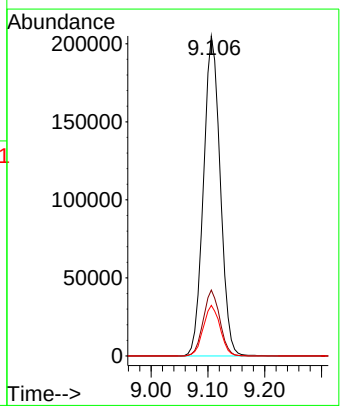


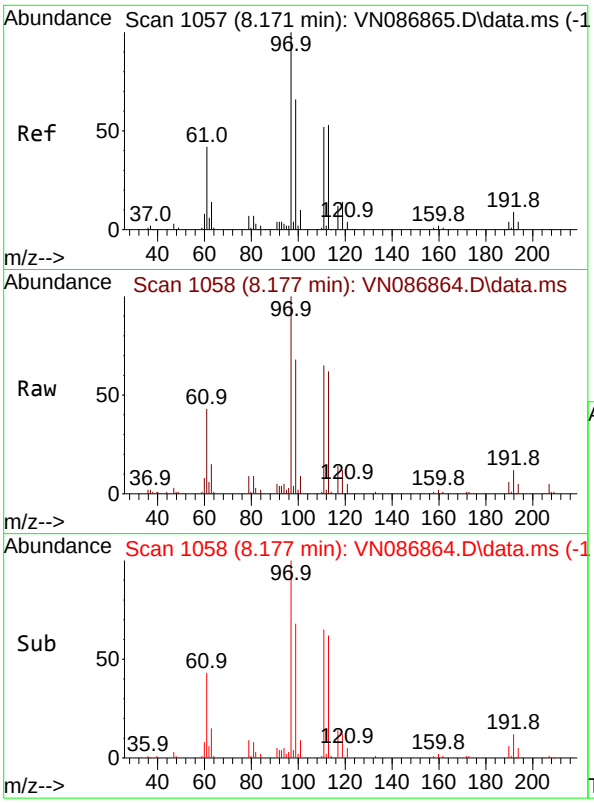


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:114 Resp: 418154

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.8	0.0	30.2



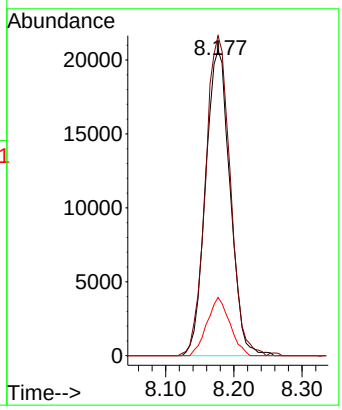


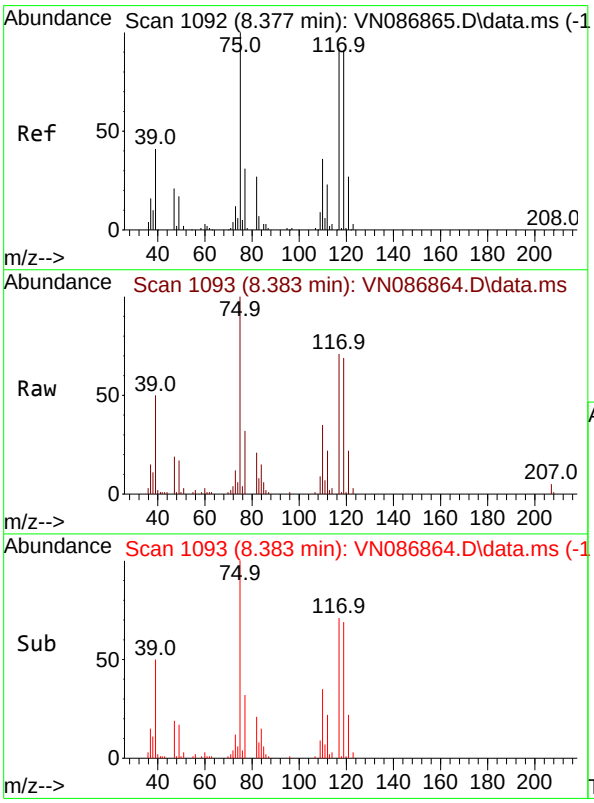
#35
Dibromofluoromethane
Concen: 20.902 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 51797

Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.2	126.2
192	17.7	14.2	21.4

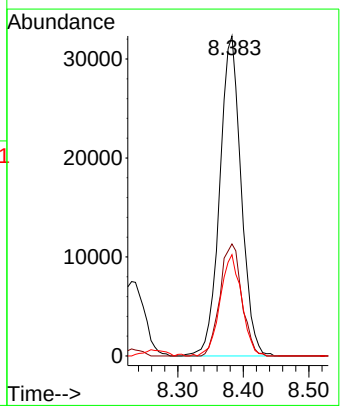


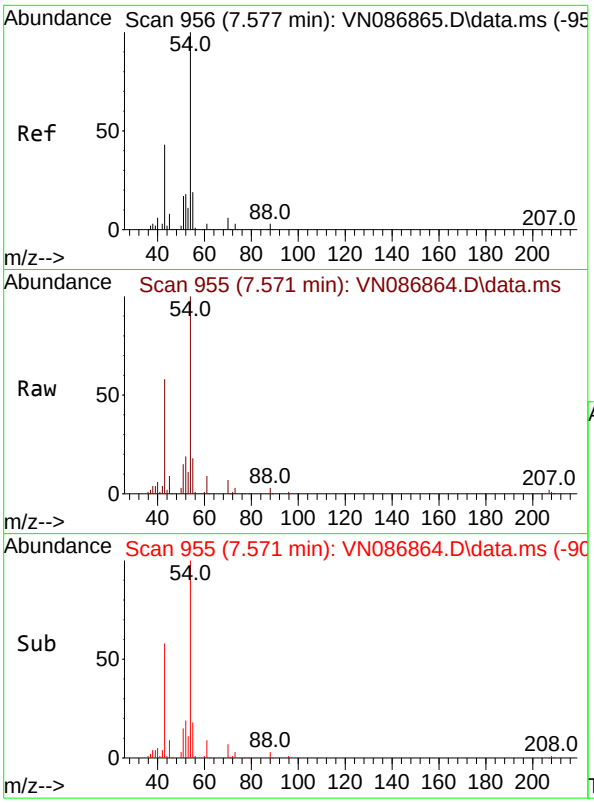


#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 73252

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.8	25.3	37.9



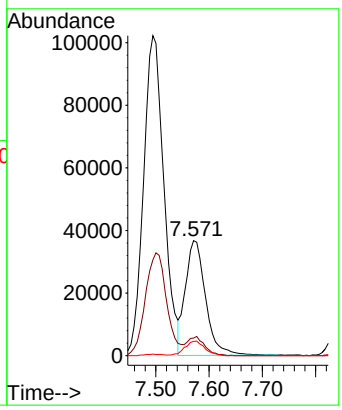


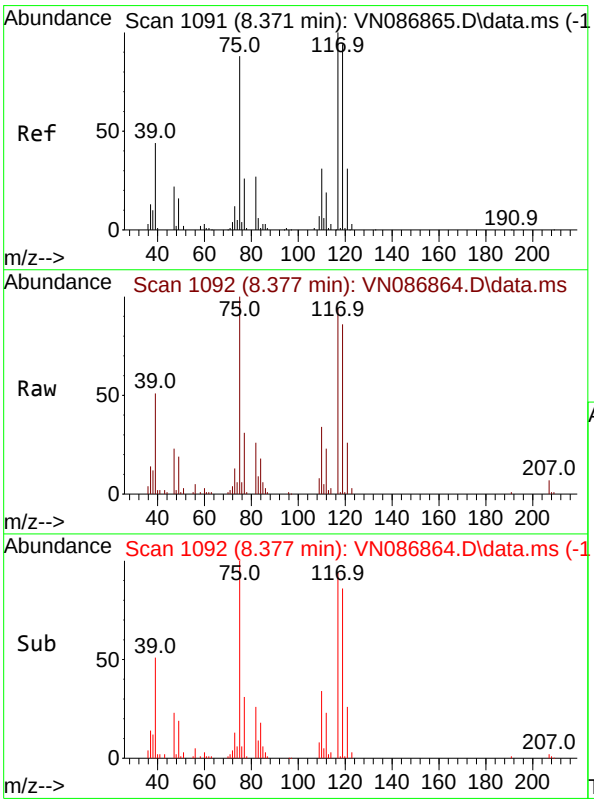
#37
Ethyl Acetate
Concen: 20.522 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 96467

Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	12.6	9.8	14.6

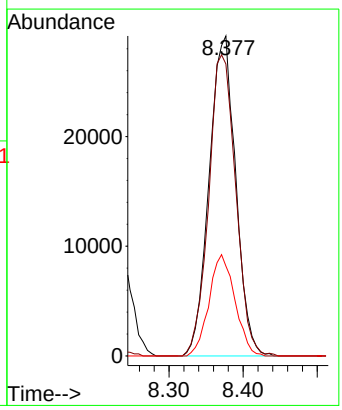


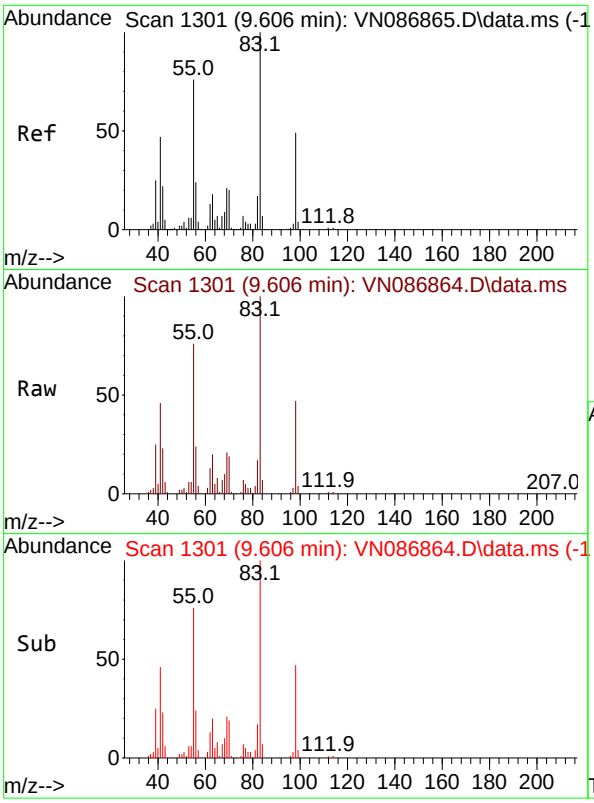


#38
Carbon Tetrachloride
Concen: 20.034 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 72628

Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.6
121	28.1	24.9	37.3



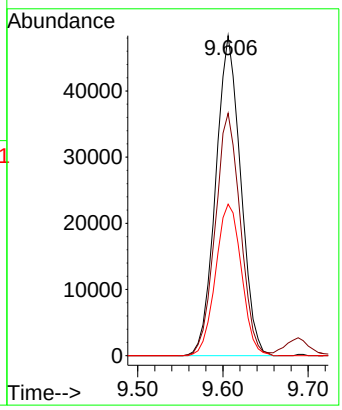


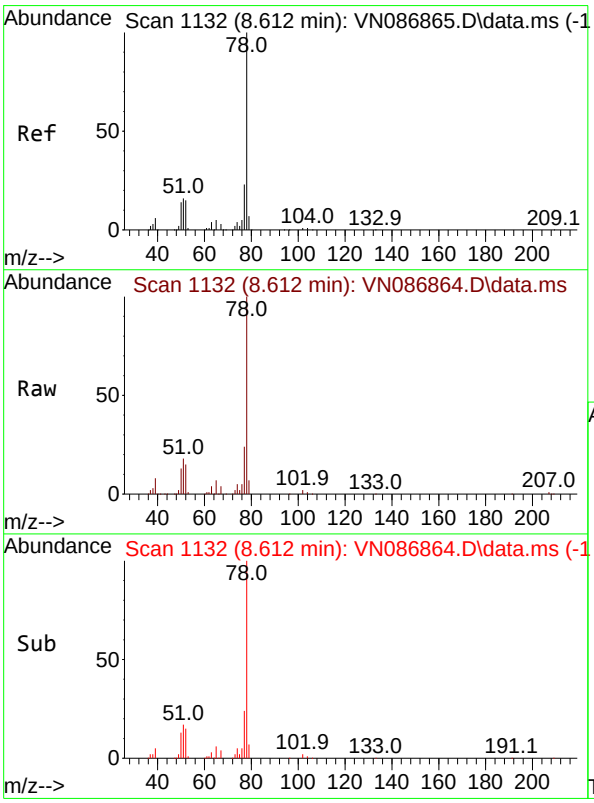
#39
Methylcyclohexane
Concen: 19.455 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 98425

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	47.4	38.9	58.3

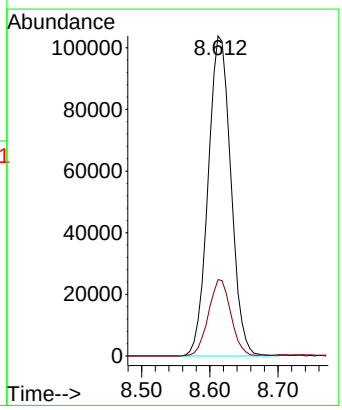


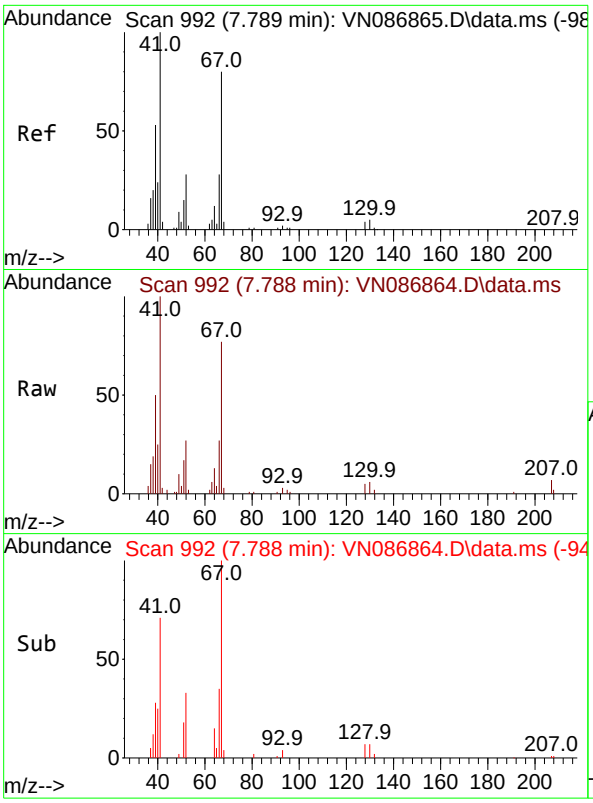


#40
Benzene
Concen: 19.996 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 78 Resp: 241444

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1



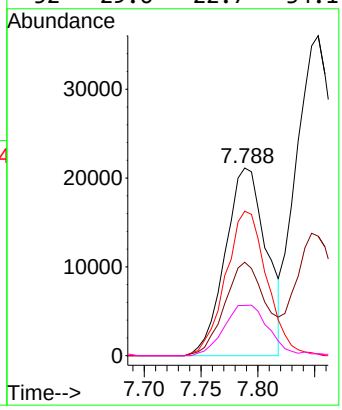


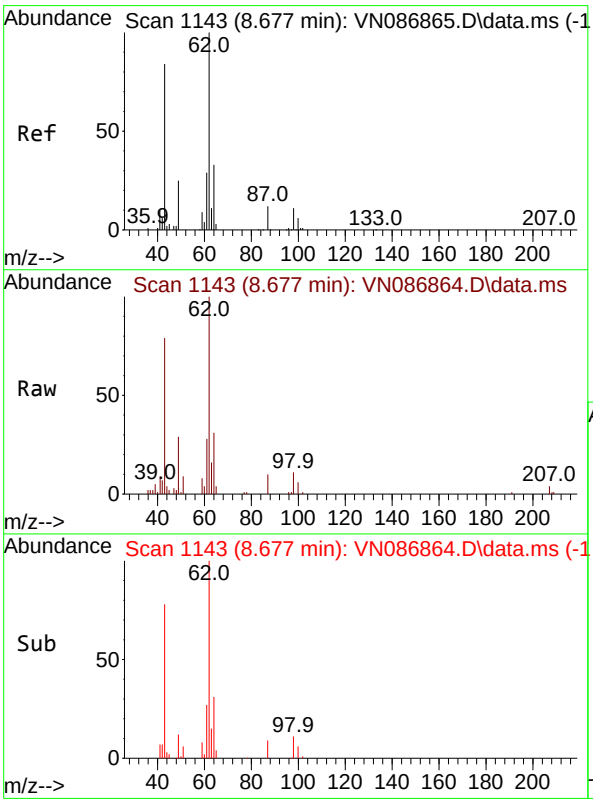
#41
Methacrylonitrile
Concen: 20.169 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 53244

Ion	Ratio	Lower	Upper
41	100		
39	49.5	41.2	61.8
67	77.3	61.4	92.2
52	29.6	22.7	34.1

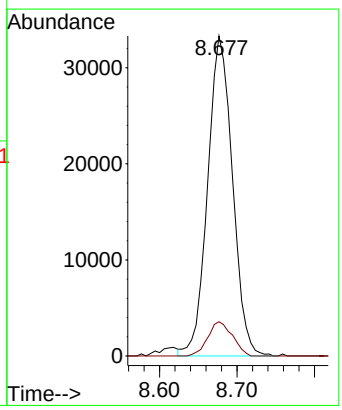


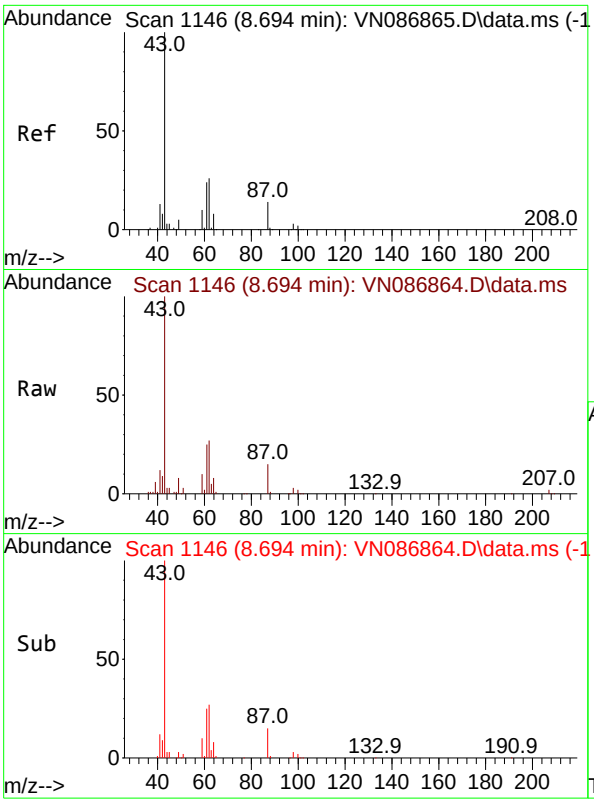


#42
1,2-Dichloroethane
Concen: 20.270 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 74238

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



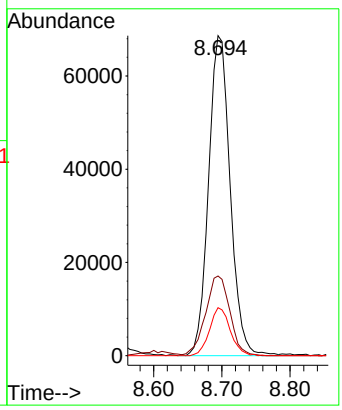


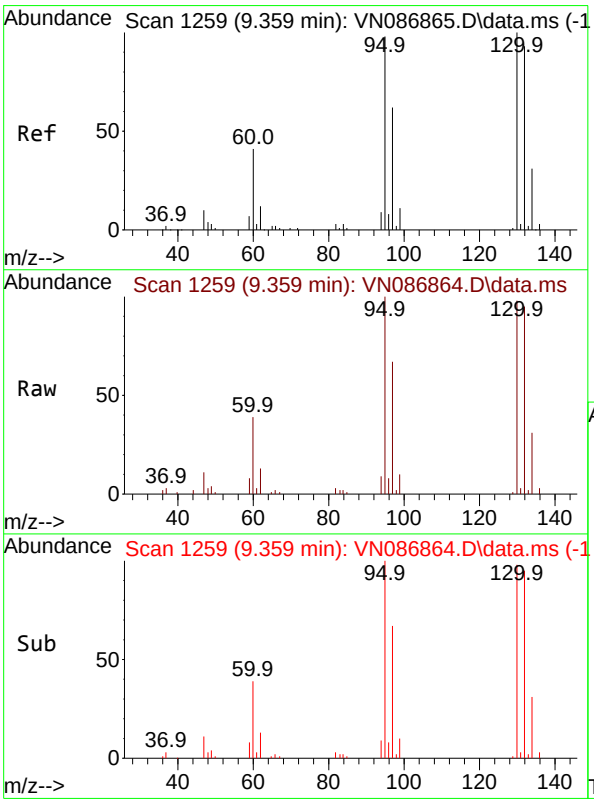
#43
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 151601

Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.4	11.8	17.6

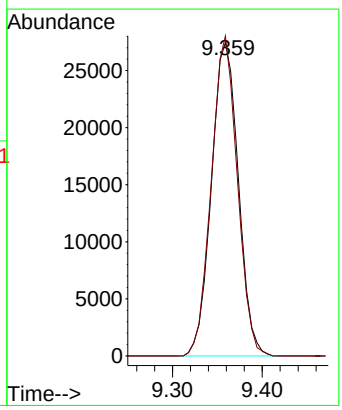


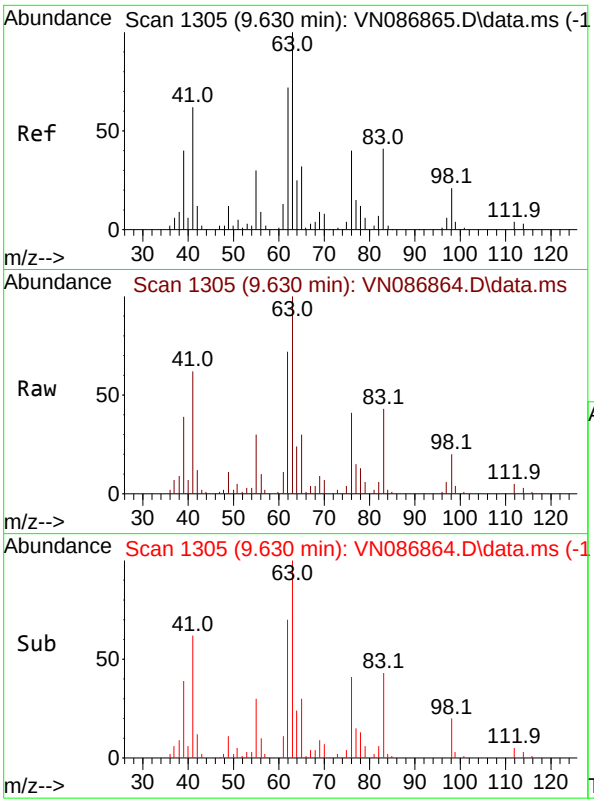


#44
Trichloroethene
Concen: 19.946 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:130 Resp: 57110

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	196.2



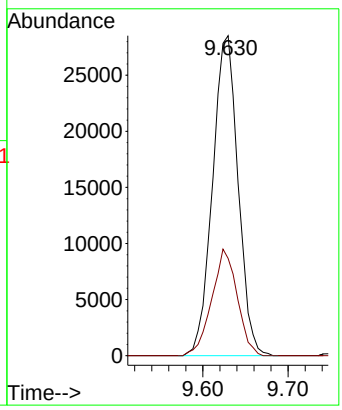


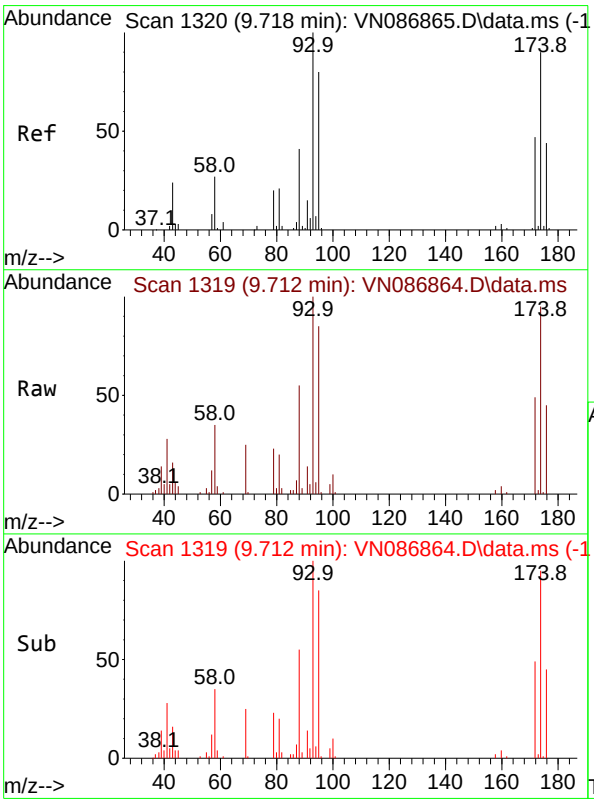
#45
1,2-Dichloropropane
Concen: 20.184 ug/l
RT: 9.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 59293

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3

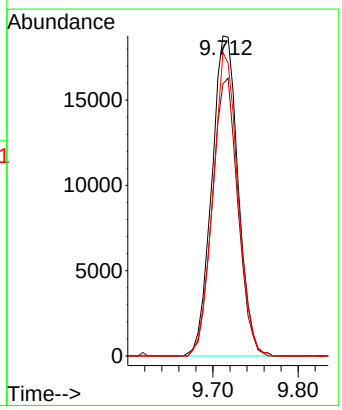


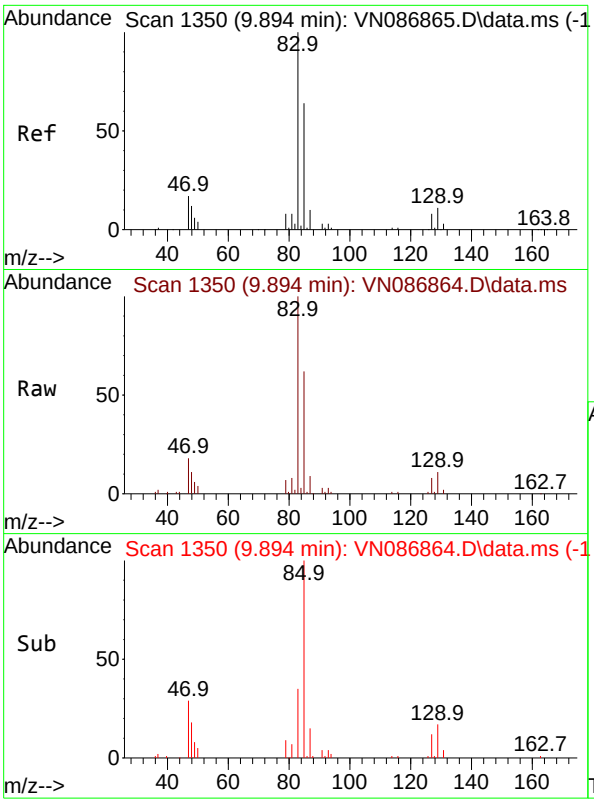


#46
Dibromomethane
Concen: 20.648 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 93 Resp: 40290

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.1	100.7
174	90.1	74.2	111.4



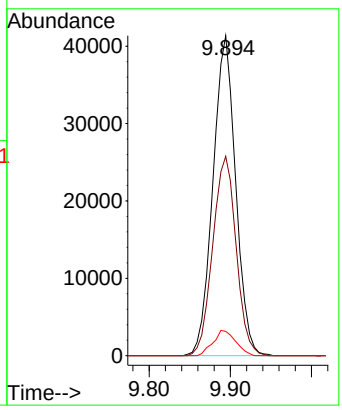


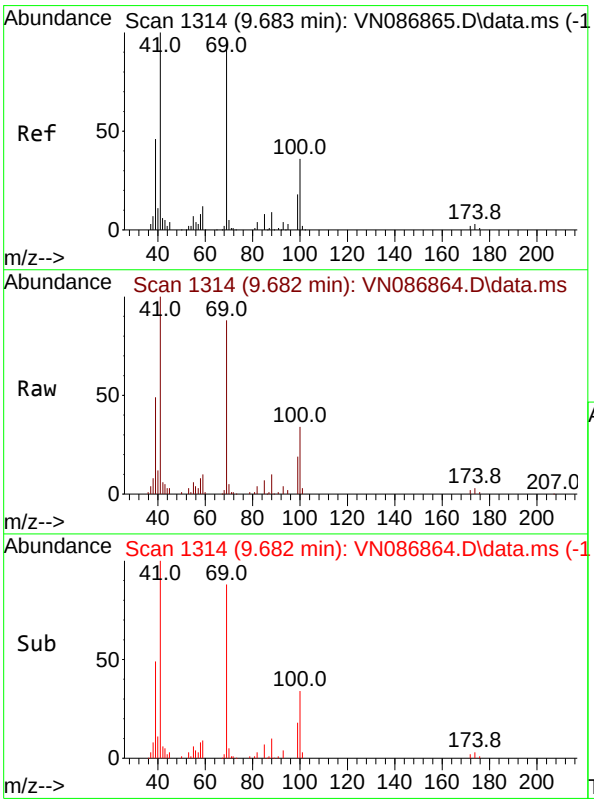
#47
Bromodichloromethane
Concen: 20.015 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80353

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	7.6	6.6	10.0

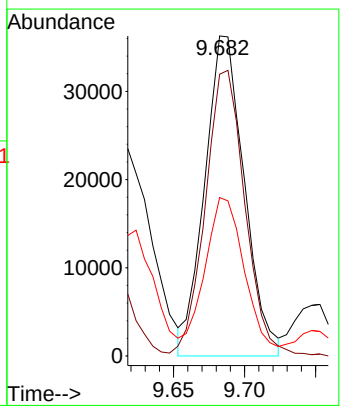


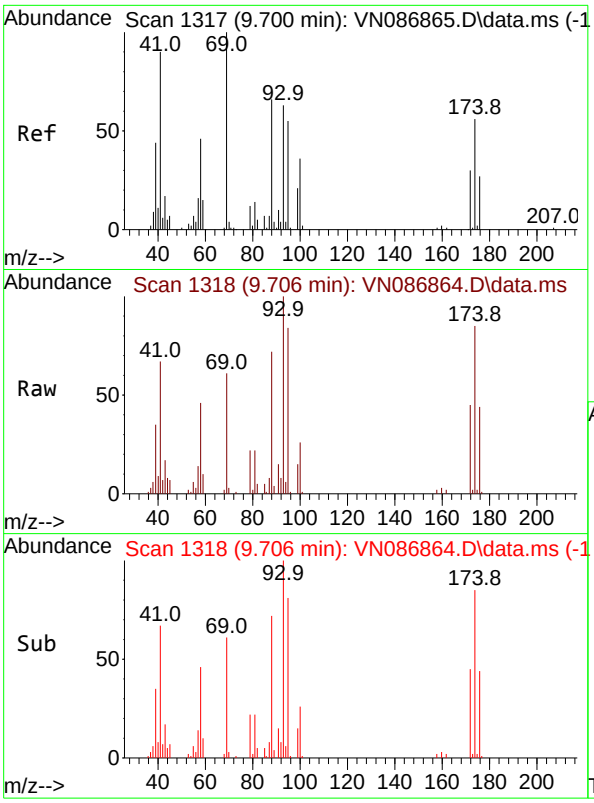


#48
Methyl methacrylate
Concen: 20.290 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 70457

Ion	Ratio	Lower	Upper
41	100		
69	89.4	74.6	112.0
39	50.3	40.2	60.4



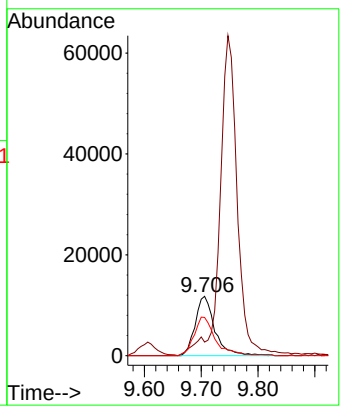


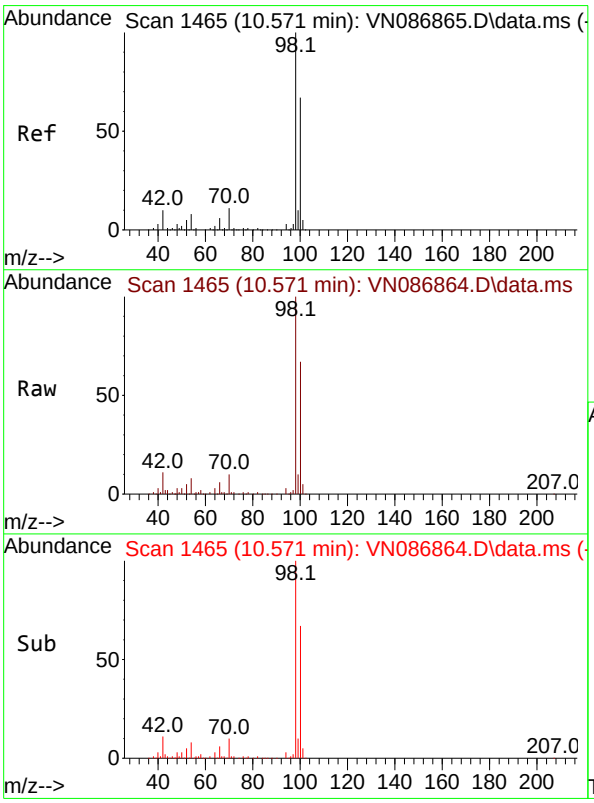
#49
1,4-Dioxane
Concen: 446.886 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 28231

Ion	Ratio	Lower	Upper
88	100		
43	19.7	0.0	0.0#
58	70.1	57.7	86.5

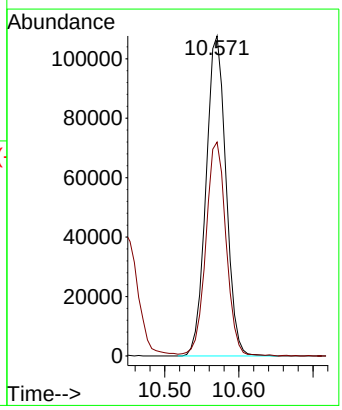


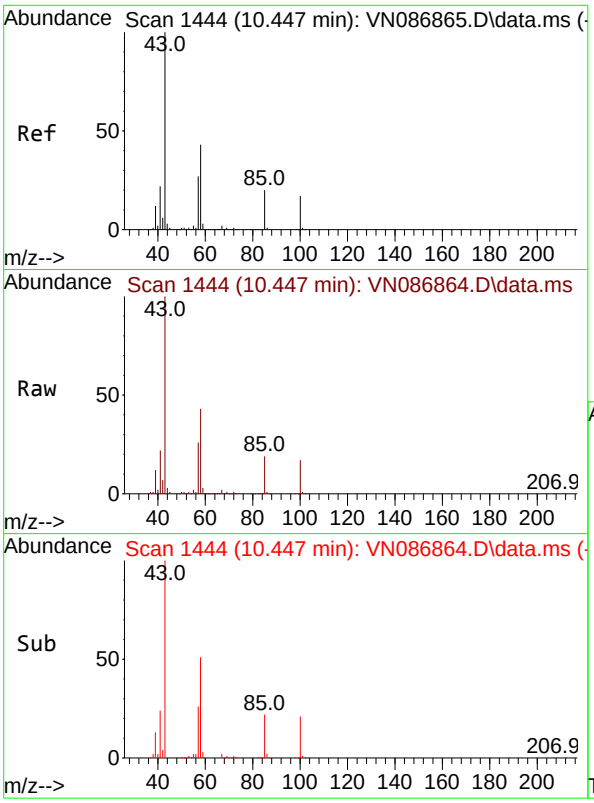


#50
Toluene-d8
Concen: 20.516 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 98 Resp: 201268

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.0



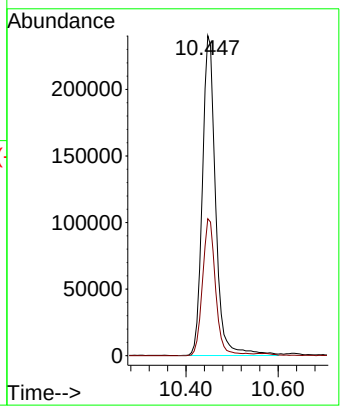


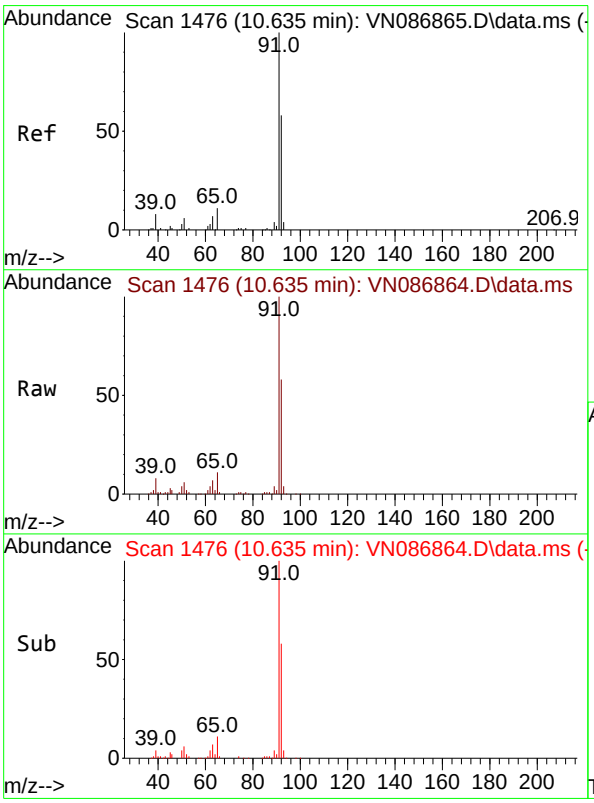
#51
4-Methyl-2-Pentanone
Concen: 106.066 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 481741

Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.4

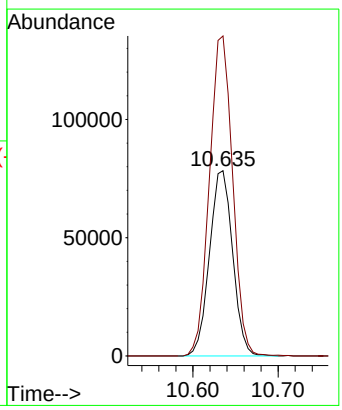


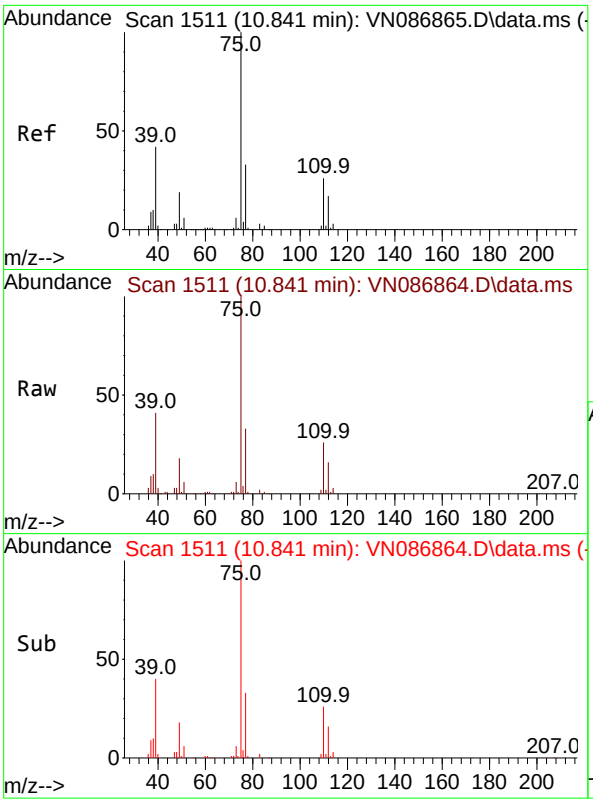


#52
Toluene
Concen: 20.056 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 92 Resp: 148000

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.5	204.7



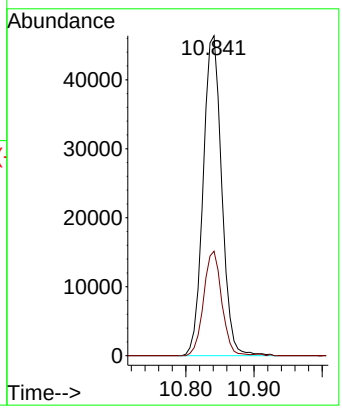


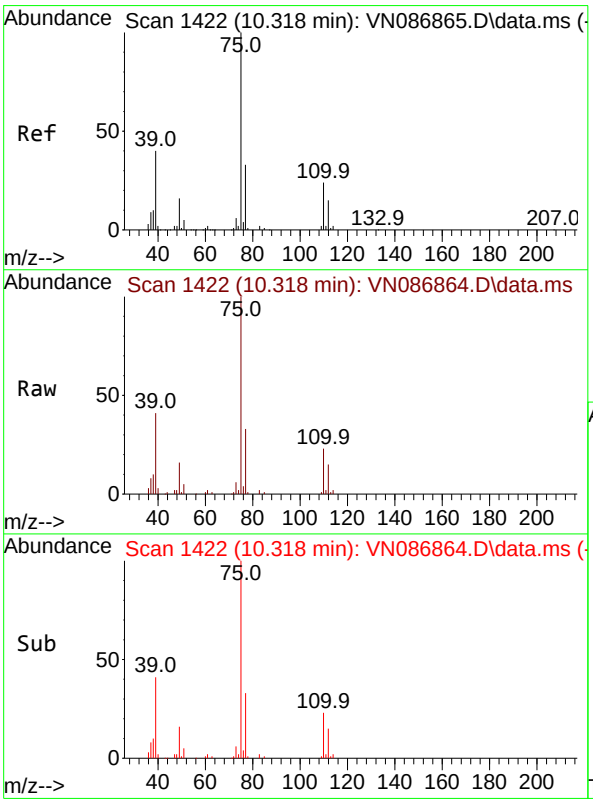
#53
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 87683

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.4	39.6

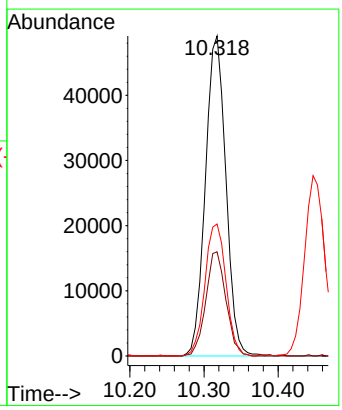


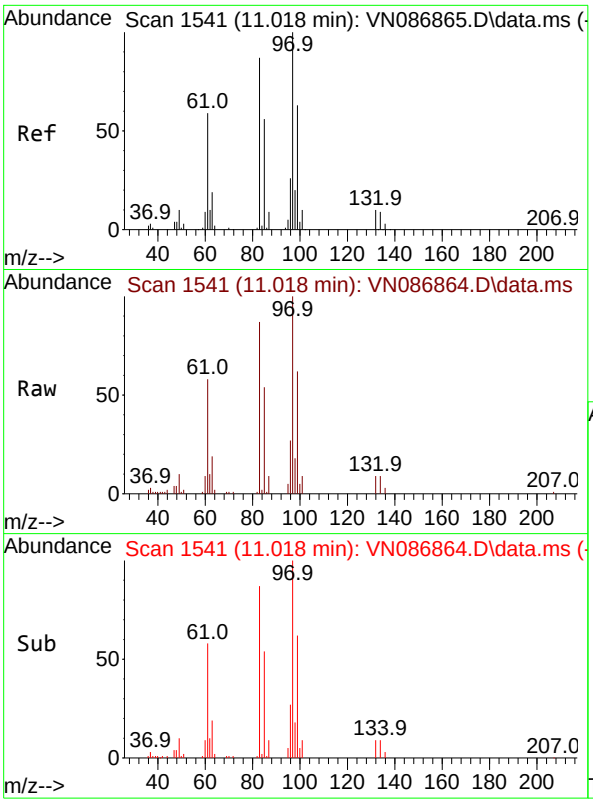


#54
cis-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 94315

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
39	41.3	32.3	48.5



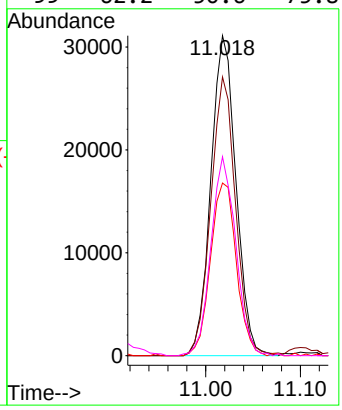


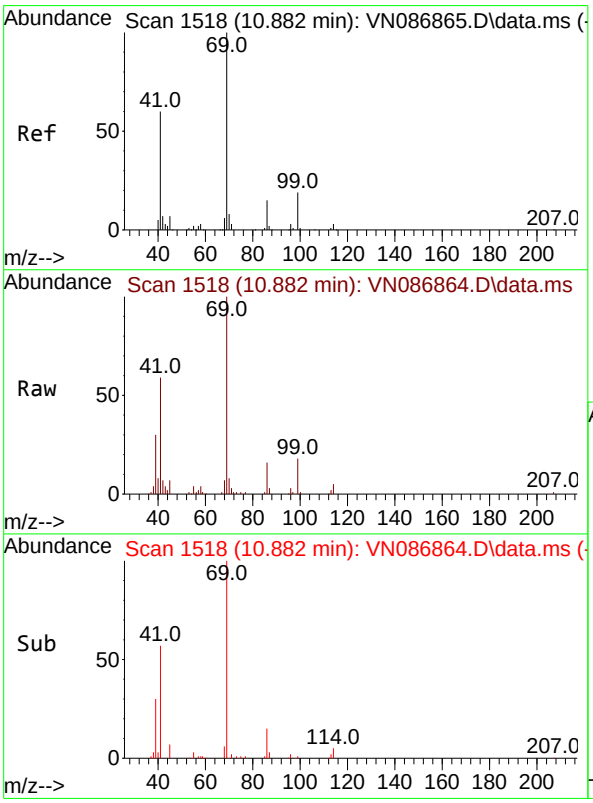
#55
1,1,2-Trichloroethane
Concen: 20.143 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 57195

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	54.0	45.1	67.7
99	62.2	50.6	75.8

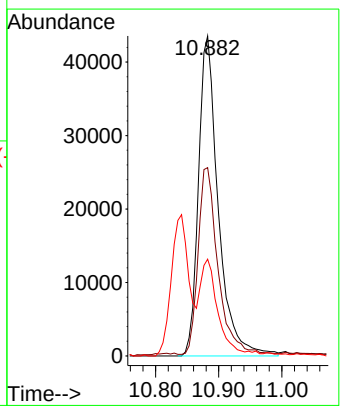


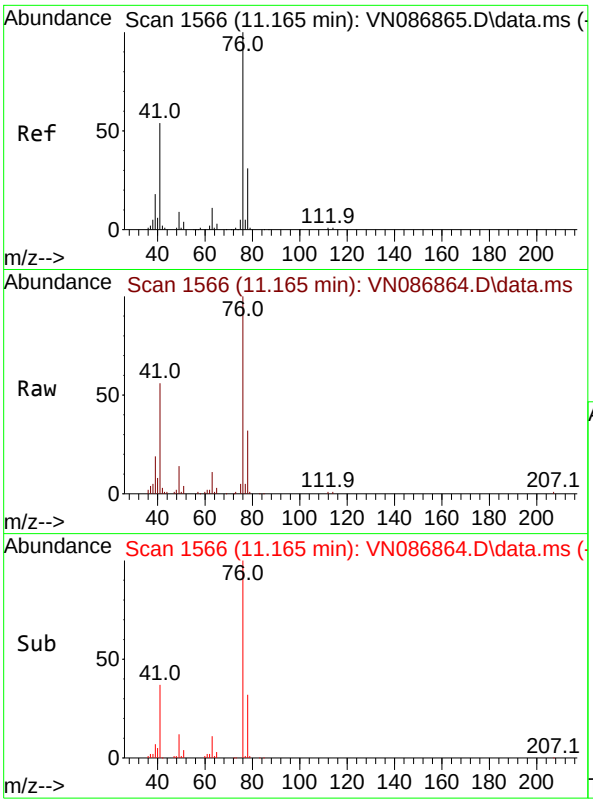


#56
Ethyl methacrylate
Concen: 20.968 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 69 Resp: 94829

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.2	70.8
39	25.9	23.0	34.6



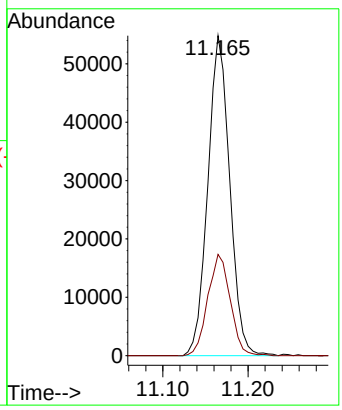


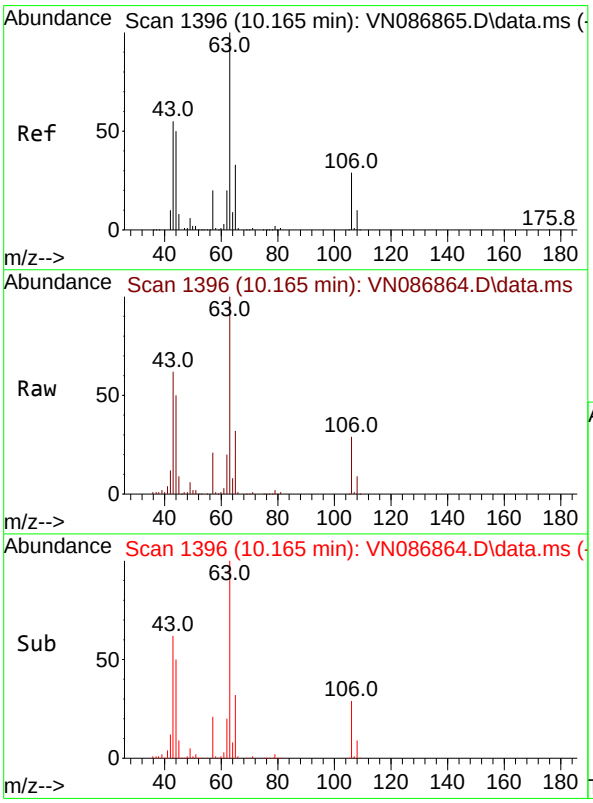
#57
1,3-Dichloropropane
Concen: 19.938 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 98205

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

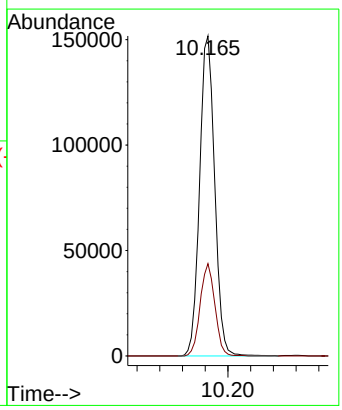


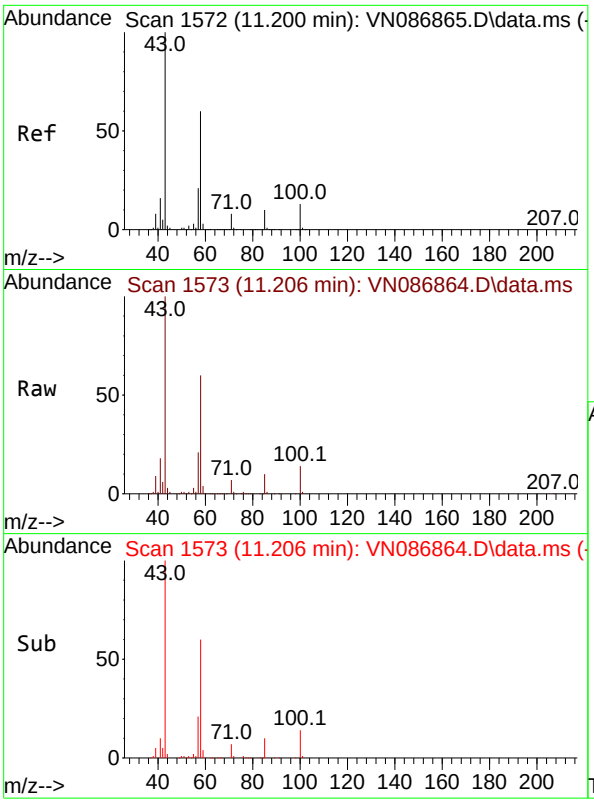


#58
2-Chloroethyl Vinyl ether
Concen: 103.426 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 278986

Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.0	34.6



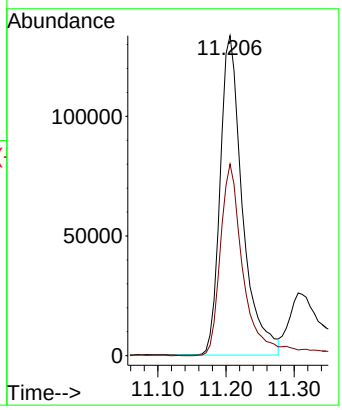


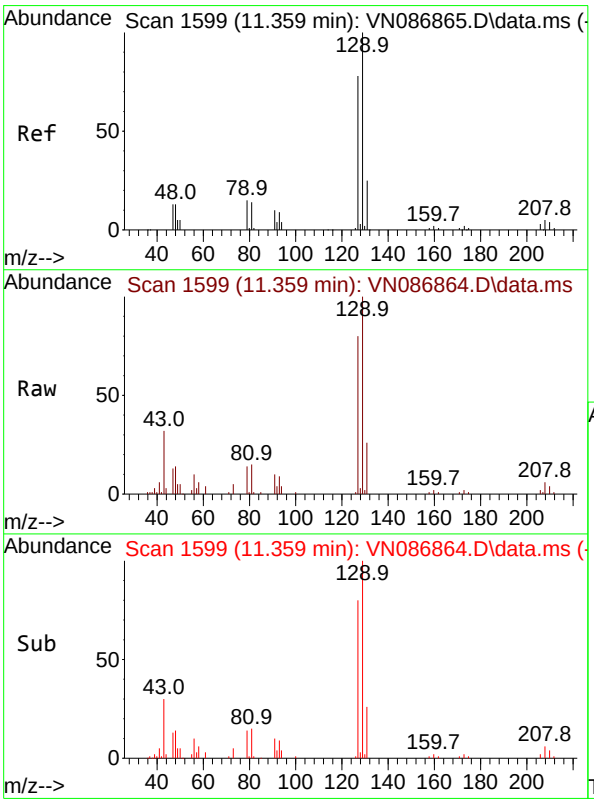
#59
2-Hexanone
Concen: 103.803 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 303686

Ion	Ratio	Lower	Upper
43	100		
58	64.8	30.4	91.3

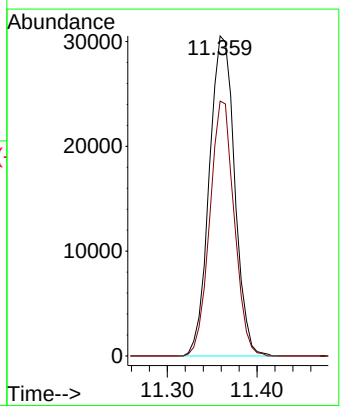


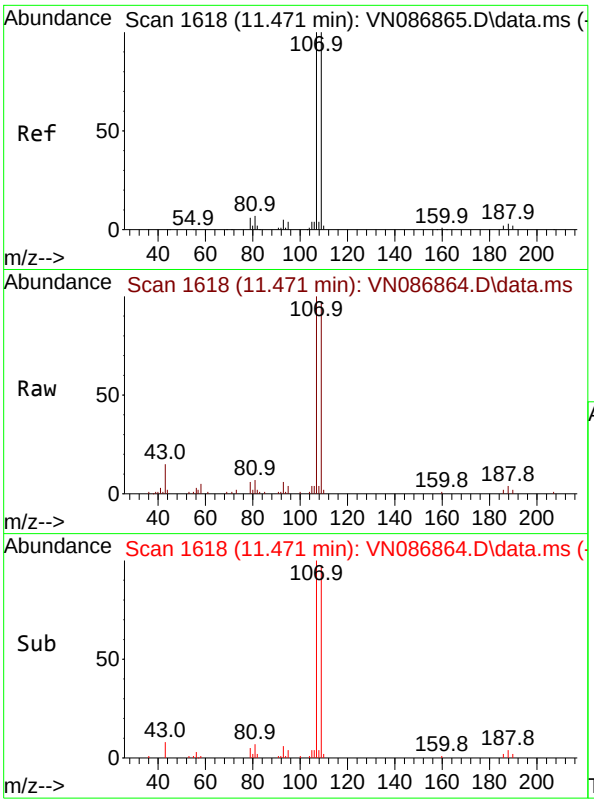


#60
Dibromochloromethane
Concen: 20.268 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:129 Resp: 59961

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8



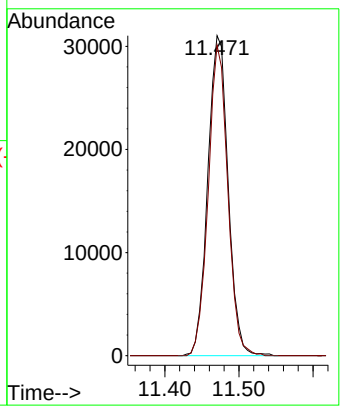


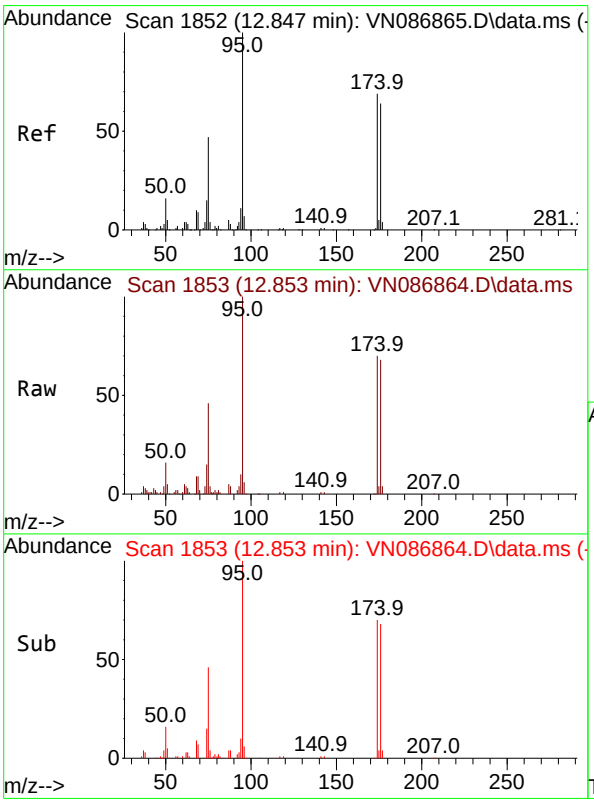
#61
1,2-Dibromoethane
Concen: 20.320 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 59139

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.3	114.5

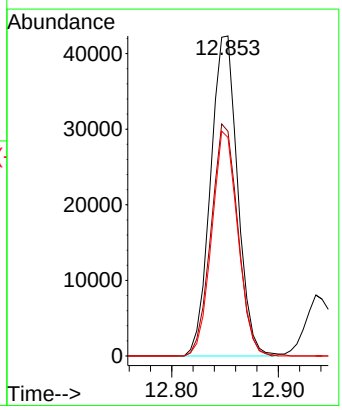


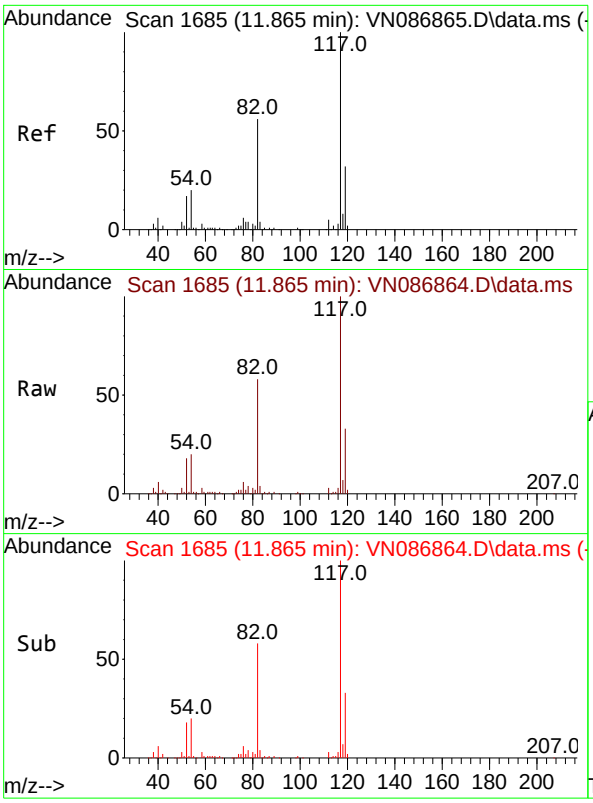


#62
4-Bromofluorobenzene
Concen: 20.474 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 95 Resp: 74622

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	68.0	0.0	132.6



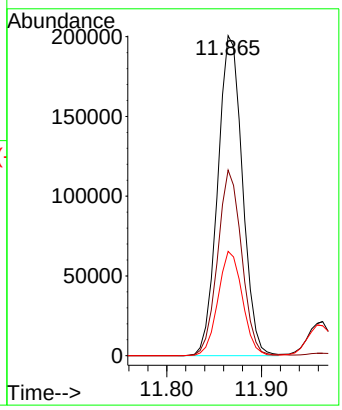


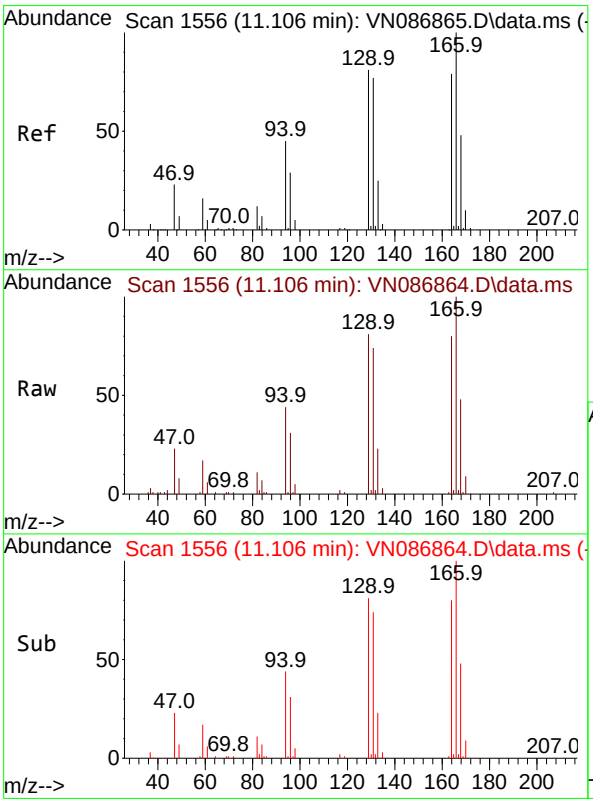
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 363172

Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	32.6	25.5	38.3

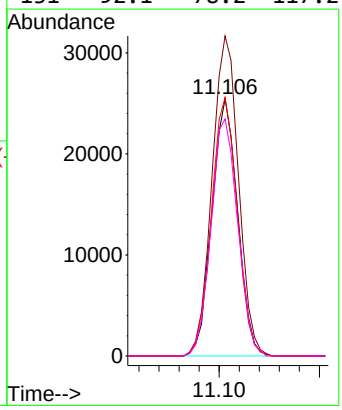


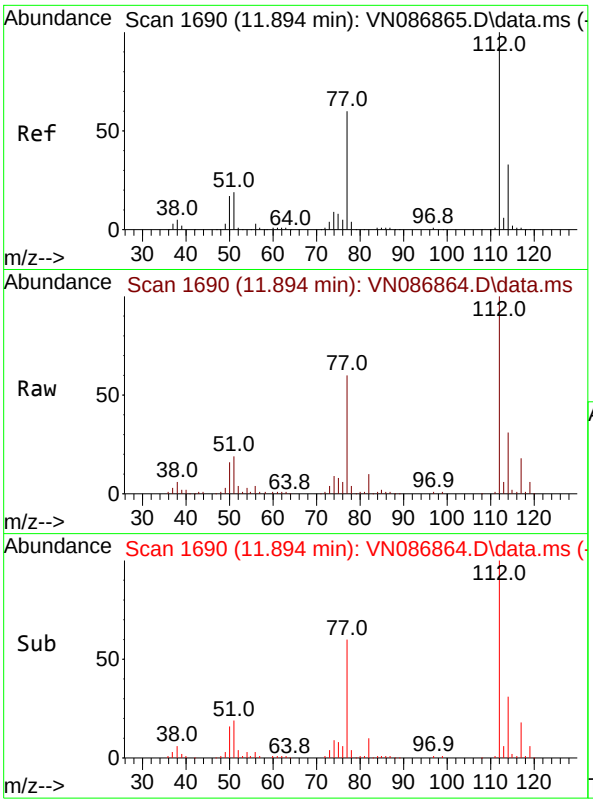


#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:164 Resp: 45374

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.8	152.8
129	100.4	83.0	124.4
131	92.1	78.2	117.2



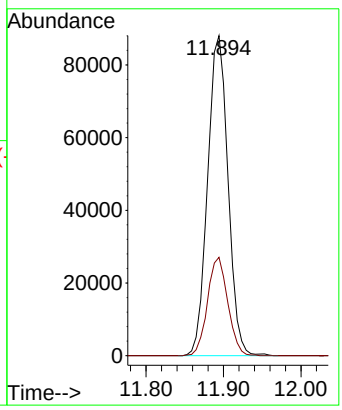


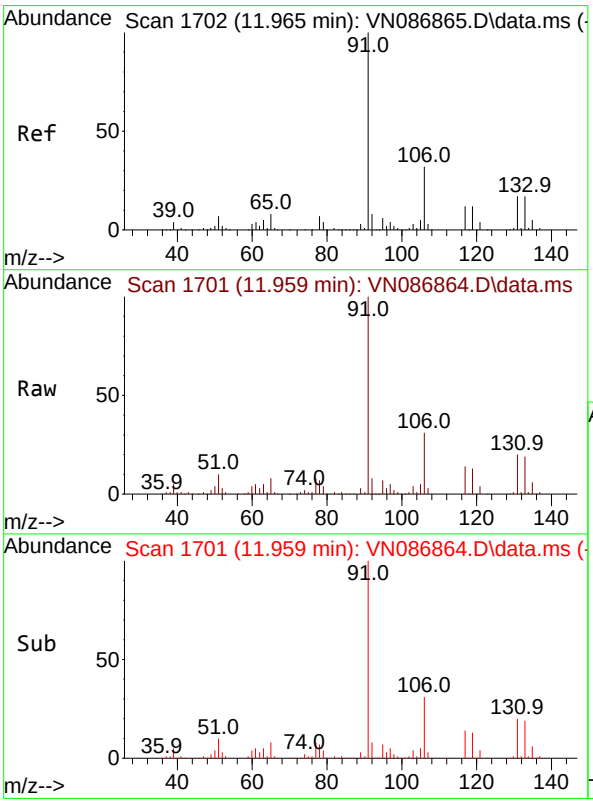
#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 160803

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.2	39.2

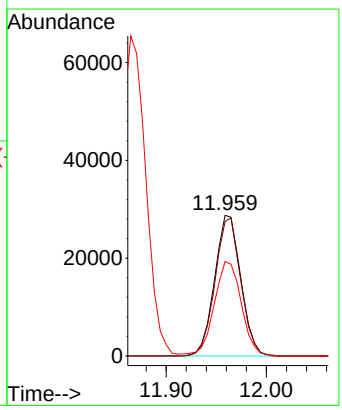


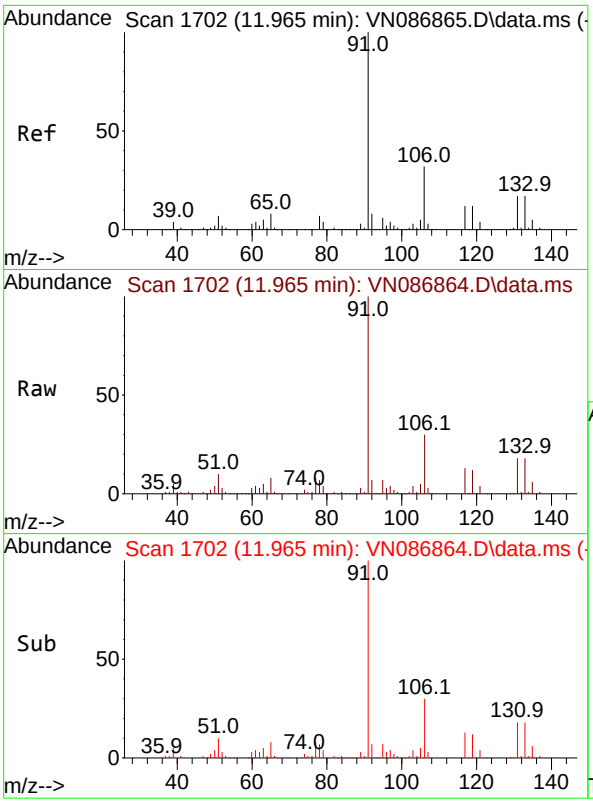


#66
1,1,1,2-Tetrachloroethane
Concen: 20.223 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:131 Resp: 52069

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	69.6	34.0	101.8



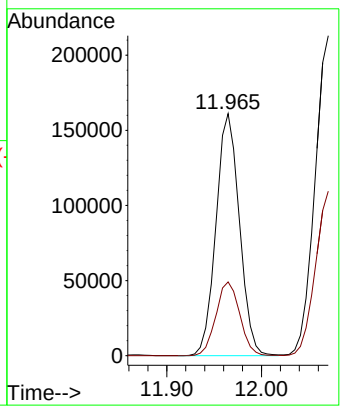


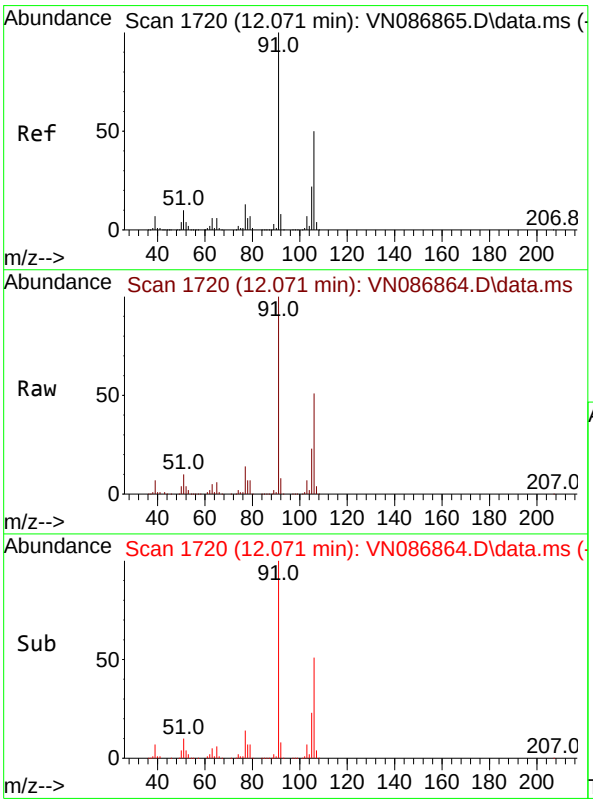
#67
Ethyl Benzene
Concen: 20.083 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 277087

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

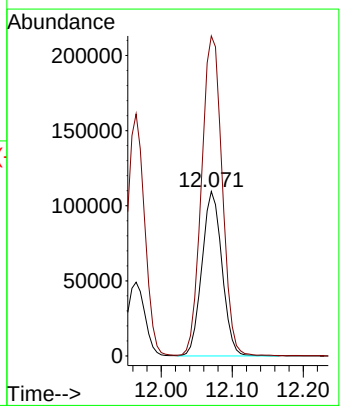


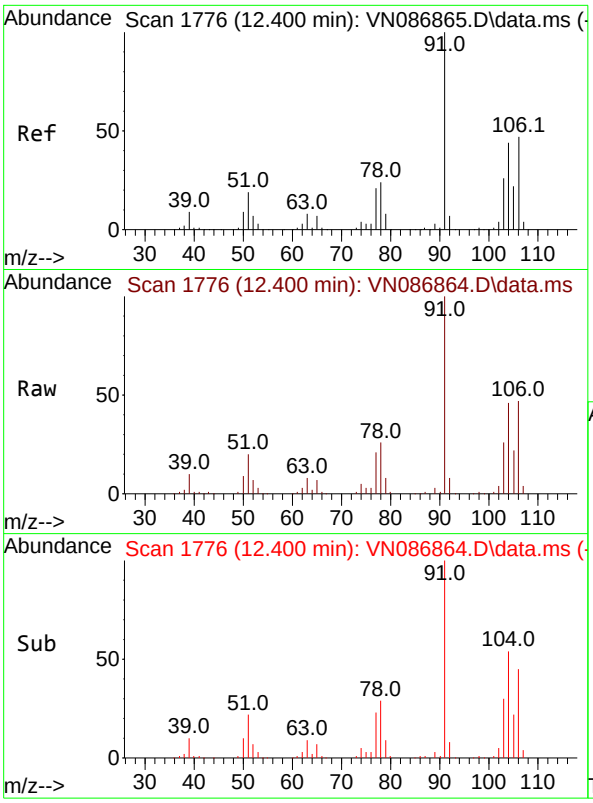


#68
m/p-Xylenes
Concen: 40.780 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:106 Resp: 215378

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.4	239.0



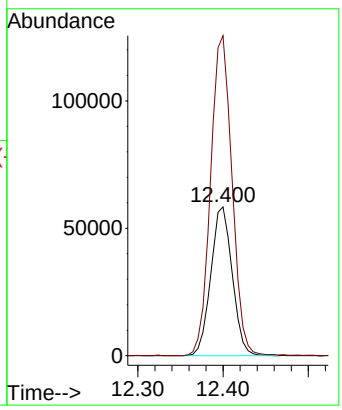


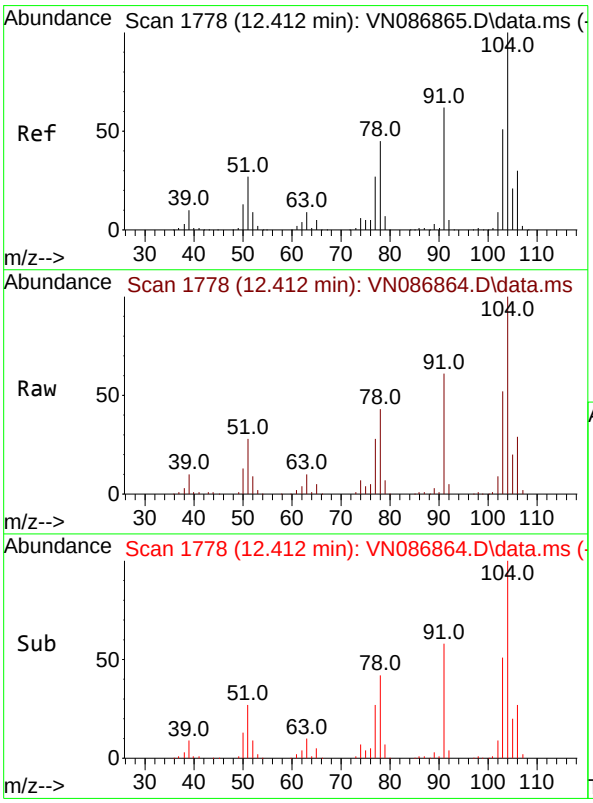
#69
o-Xylene
Concen: 20.175 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 102050

Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.1	318.1

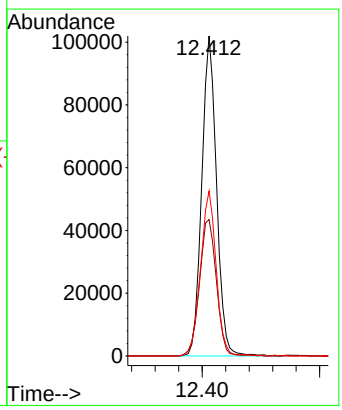


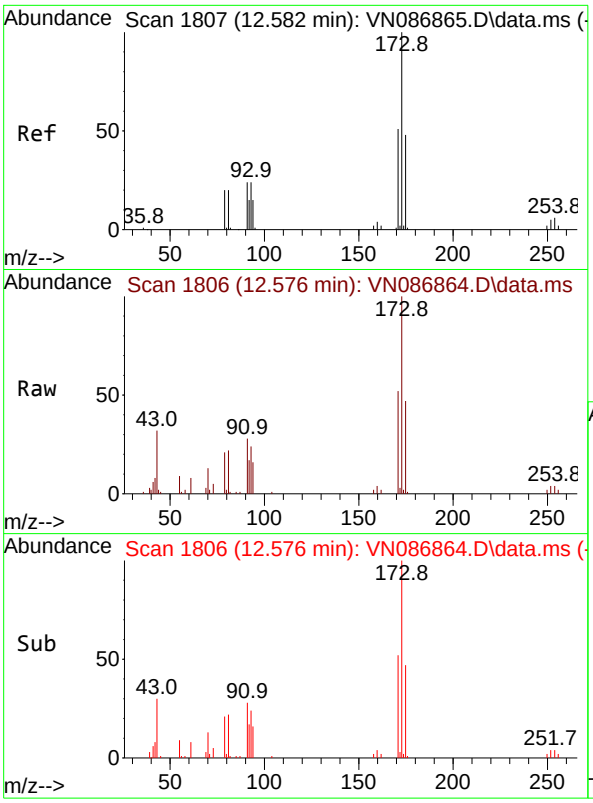


#70
Styrene
Concen: 20.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:104 Resp: 178061

Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.4	43.1	64.7



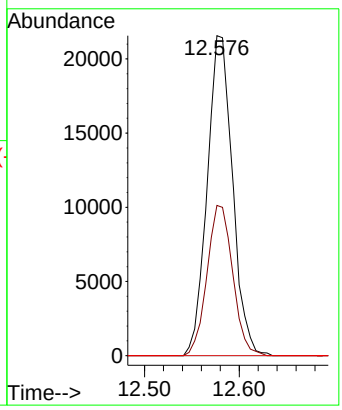


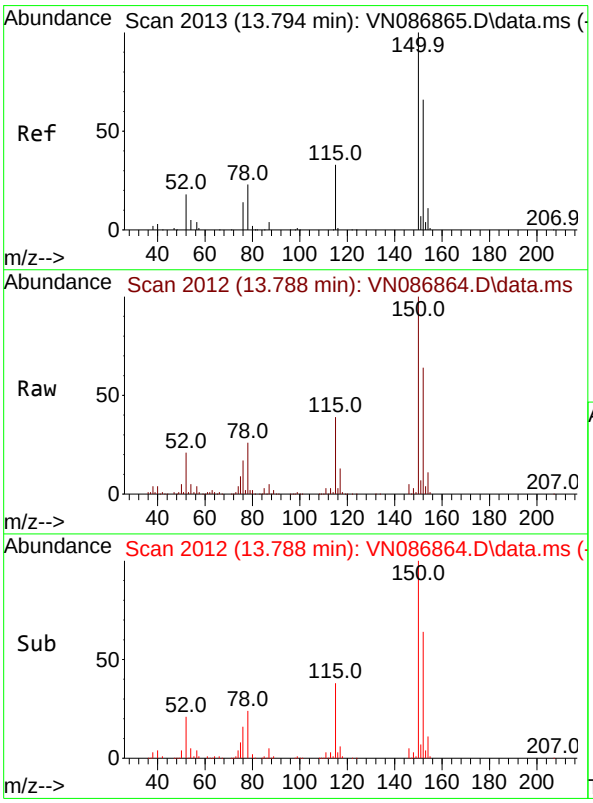
#71
Bromoform
Concen: 21.004 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 40070

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0

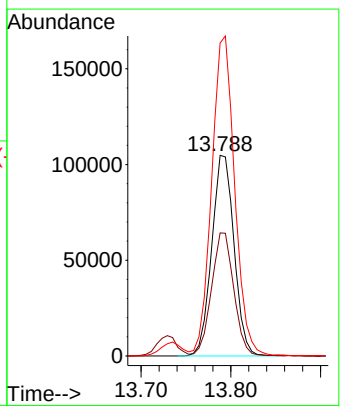


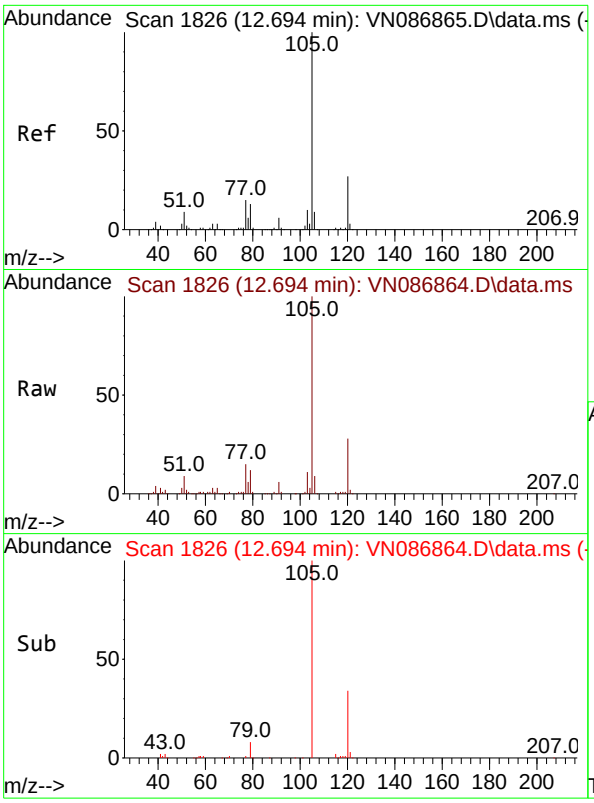


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:152 Resp: 181178

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	164.5	0.0	345.0



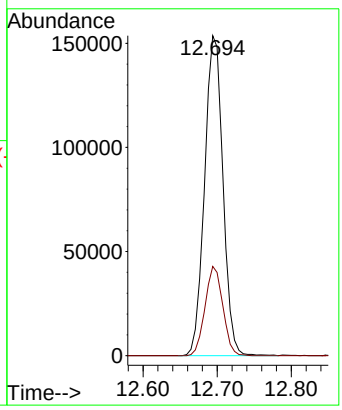


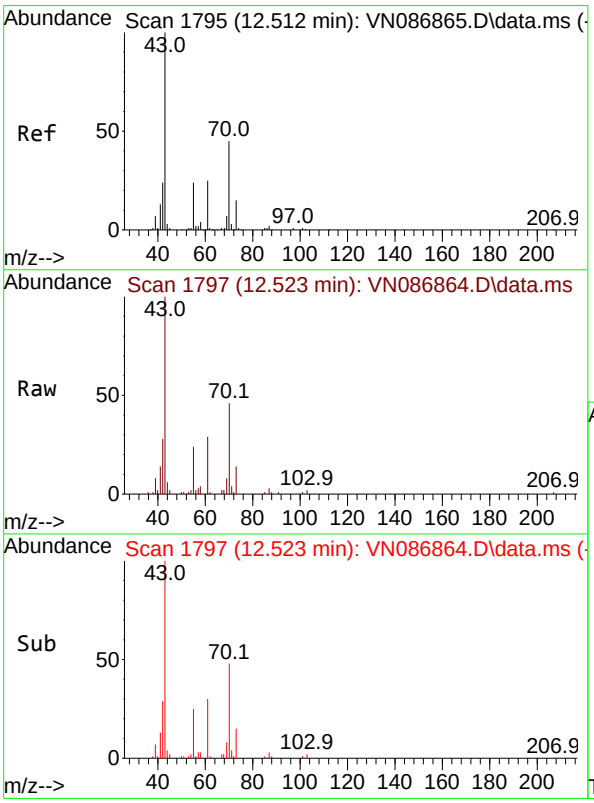
#73
Isopropylbenzene
Concen: 20.035 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 264442

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

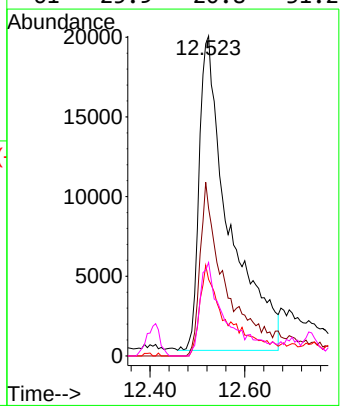


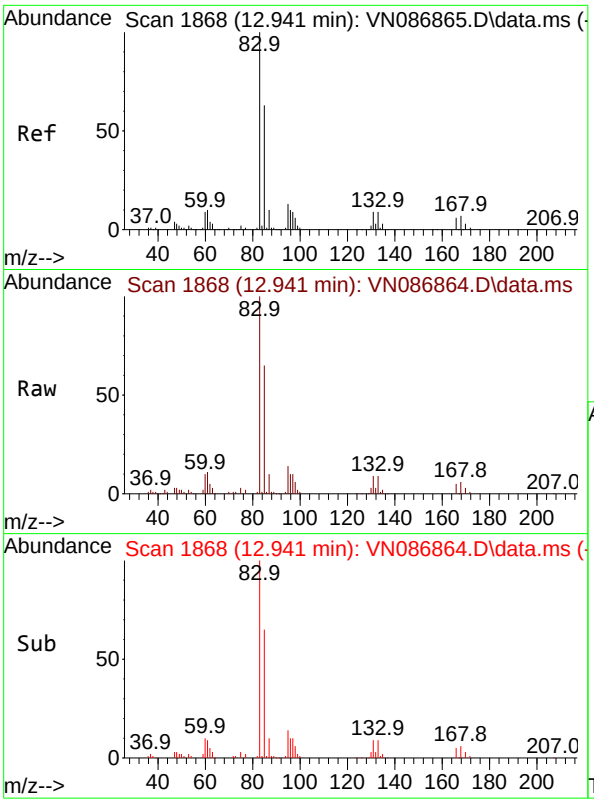


#74
N-amyl acetate
Concen: 19.633 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 86003

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	26.6	19.0	28.6
61	25.9	20.8	31.2



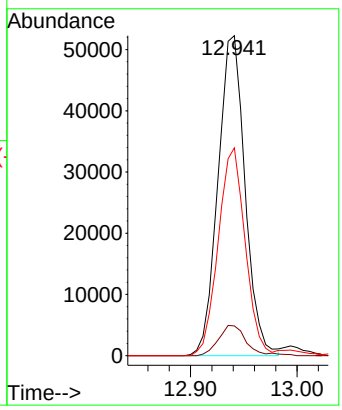


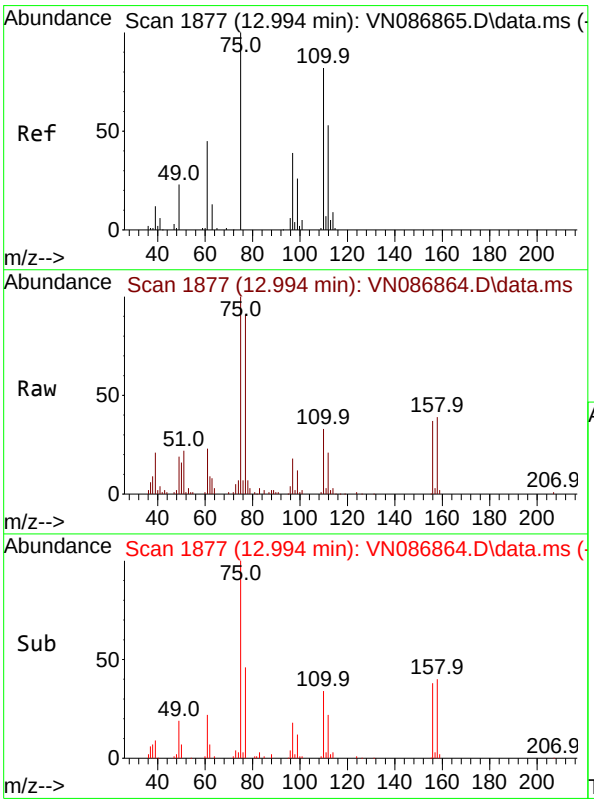
#75
1,1,2,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 92264

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.5	32.0	96.0

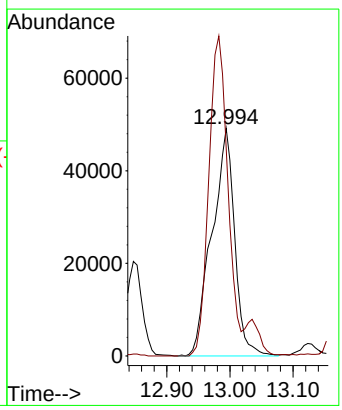


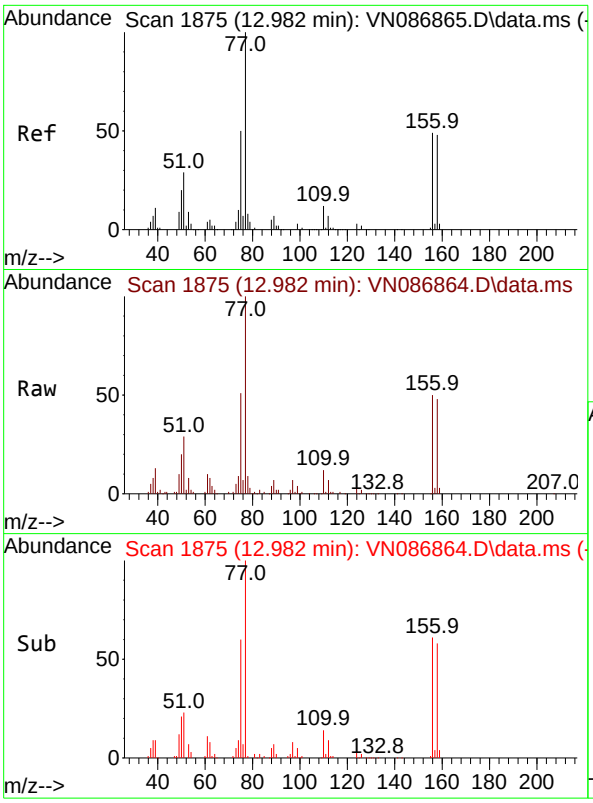


#76
1,2,3-Trichloropropane
Concen: 28.448 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 122897

Ion	Ratio	Lower	Upper
75	100		
77	117.5	79.3	237.9



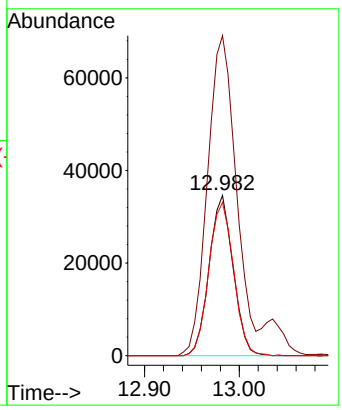


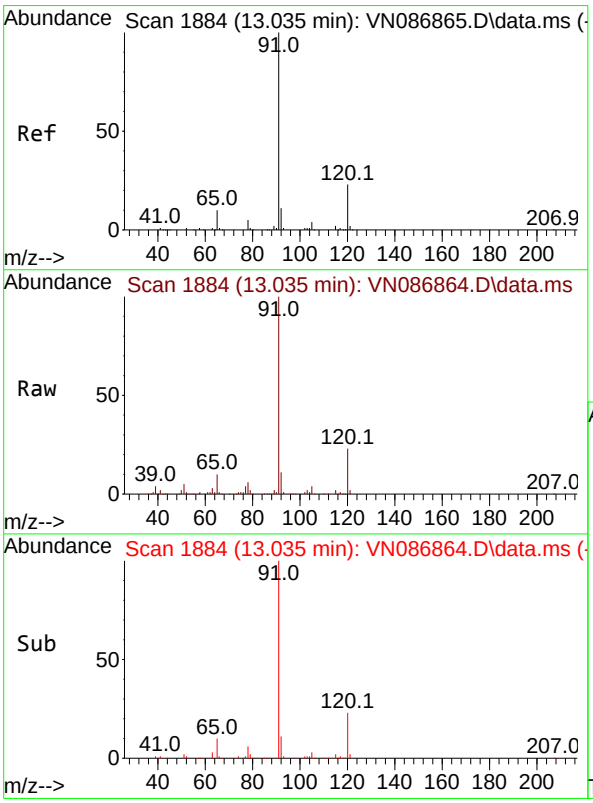
#77
Bromobenzene
Concen: 20.111 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 60877

Ion	Ratio	Lower	Upper
156	100		
77	237.3	117.7	353.1
158	99.0	48.1	144.4

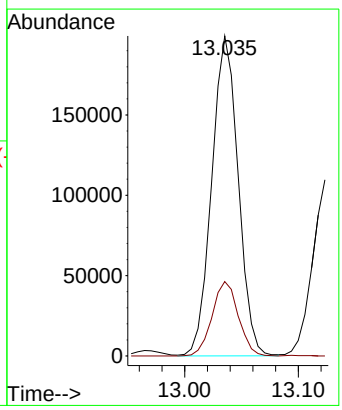


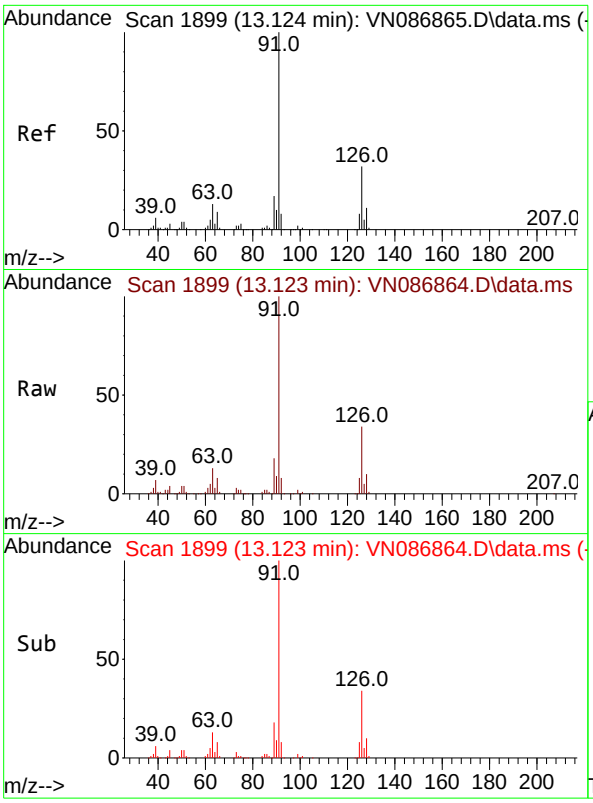


#78
n-propylbenzene
Concen: 20.102 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 322436

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



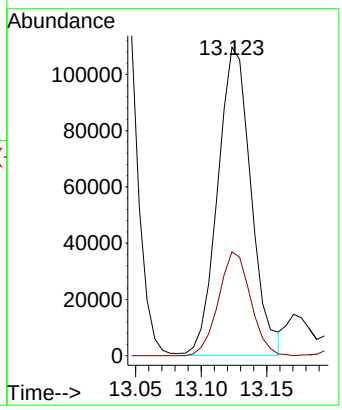


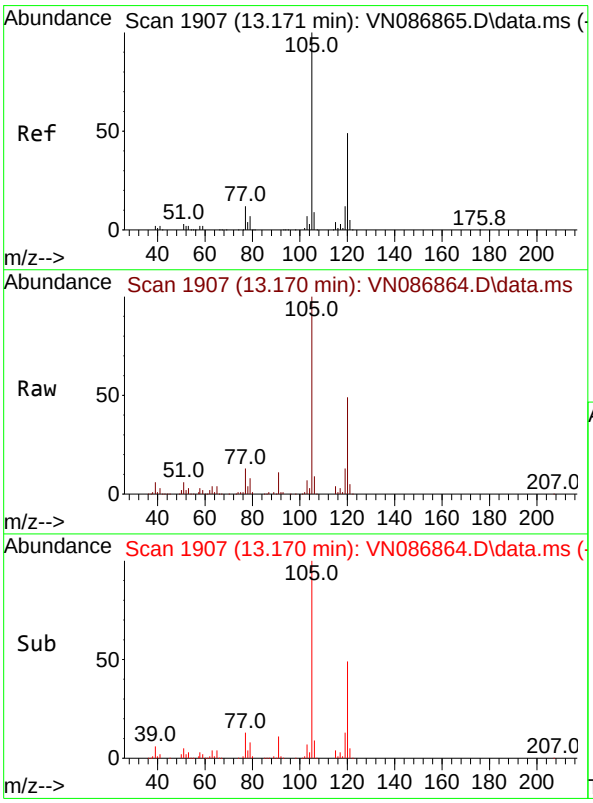
#79
2-Chlorotoluene
Concen: 20.144 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 193774

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

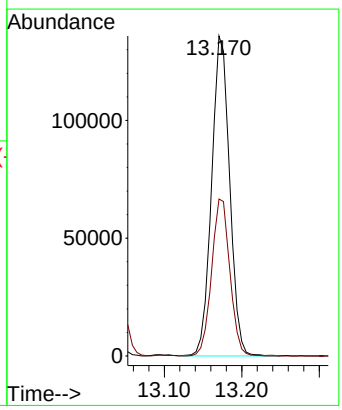


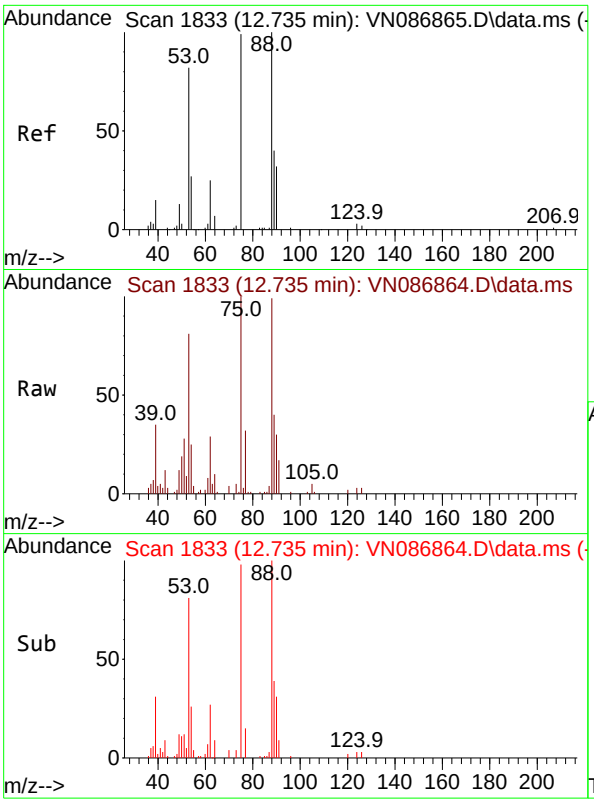


#80
1,3,5-Trimethylbenzene
Concen: 20.183 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 219937

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6



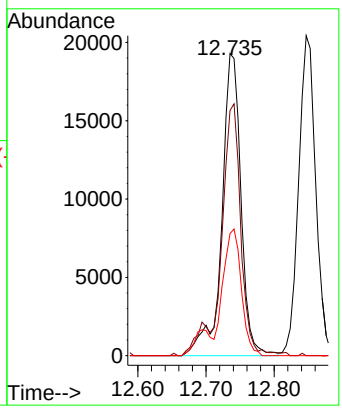


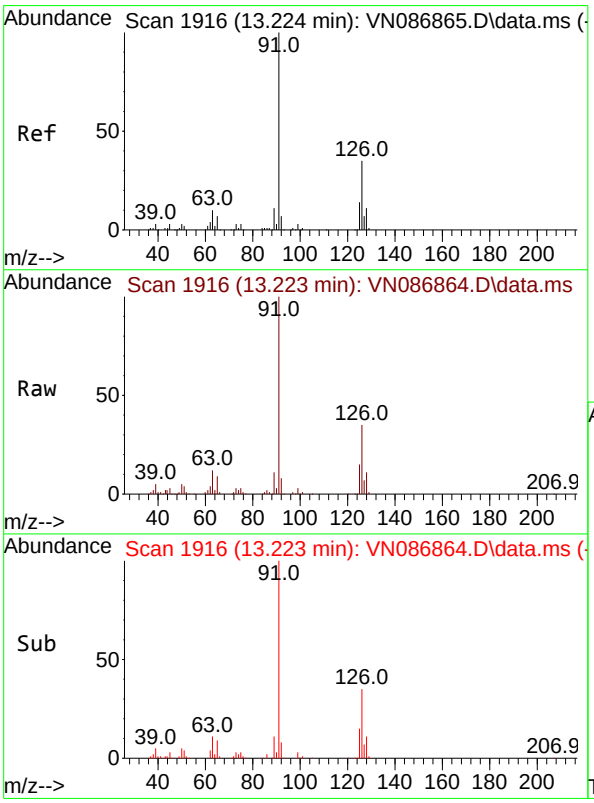
#81
trans-1,4-Dichloro-2-butene
Concen: 20.209 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 37808

Ion	Ratio	Lower	Upper
75	100		
53	77.3	66.6	99.8
89	39.6	36.7	55.1

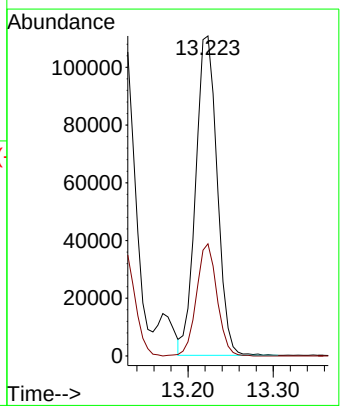


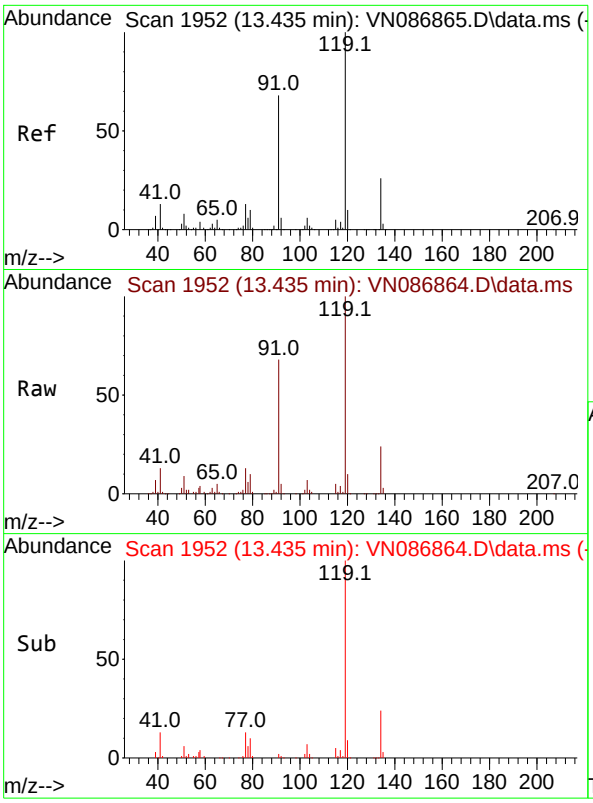


#82
4-Chlorotoluene
Concen: 19.885 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 193544

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1



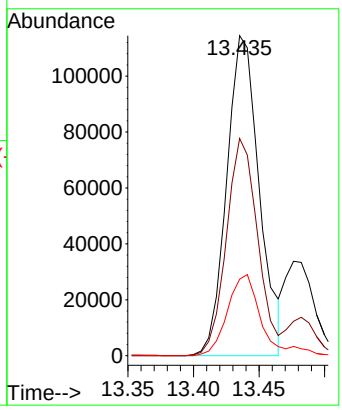


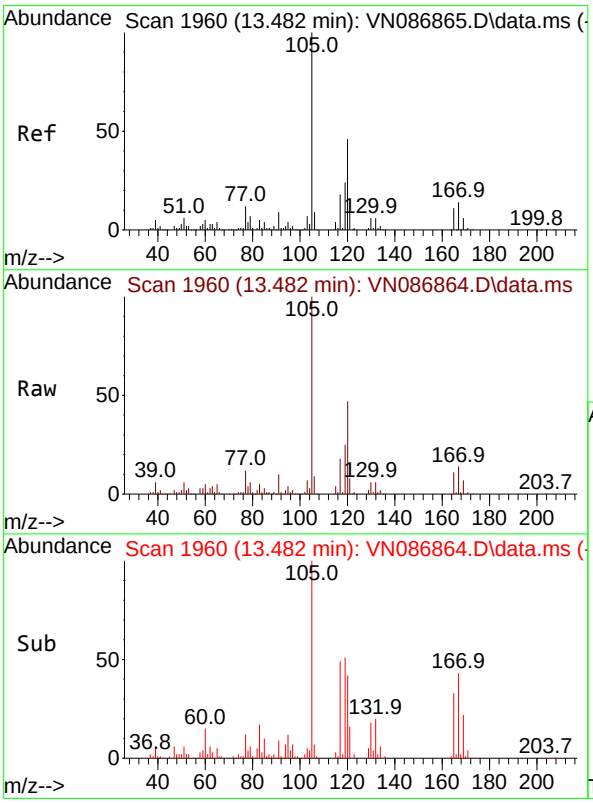
#83
tert-Butylbenzene
Concen: 19.880 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 198303

Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.1	96.5
134	26.5	13.4	40.1

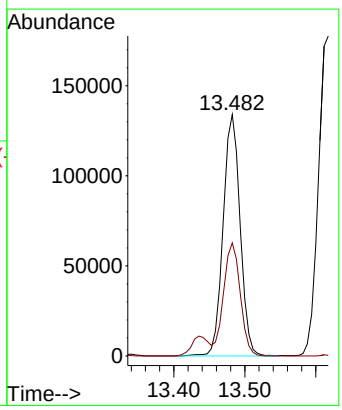


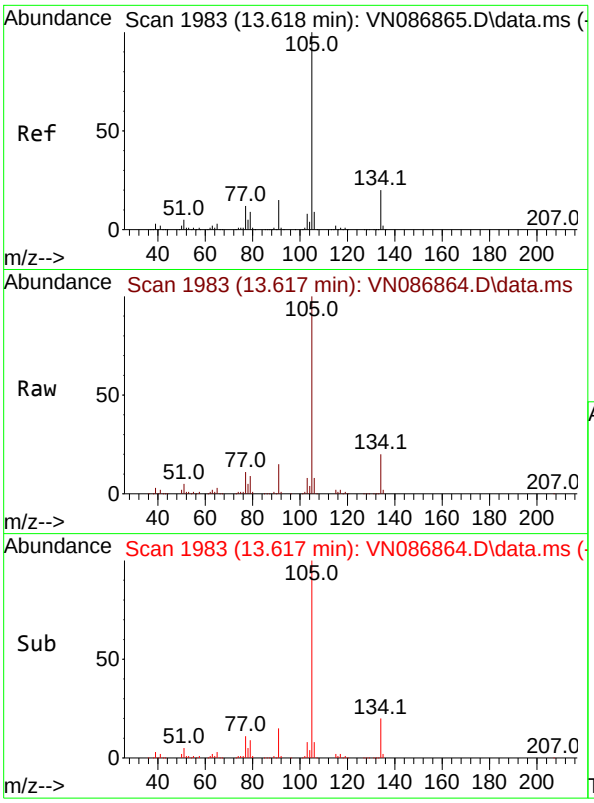


#84
1,2,4-Trimethylbenzene
Concen: 20.315 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 221990

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6



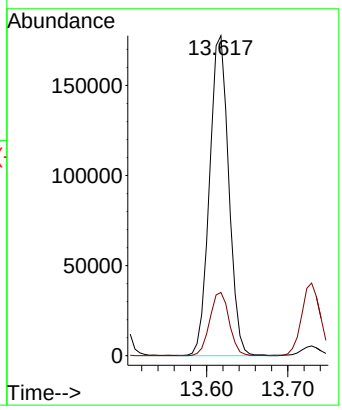


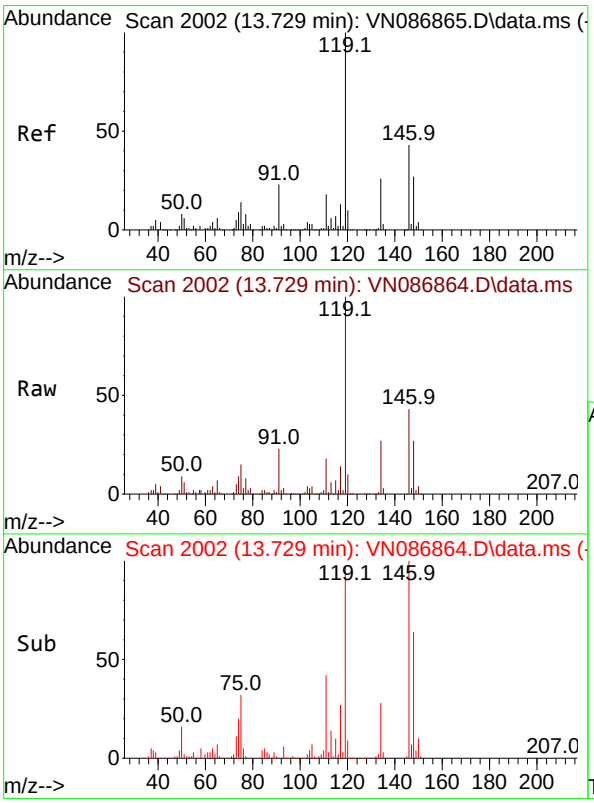
#85
sec-Butylbenzene
Concen: 20.196 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 292563

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

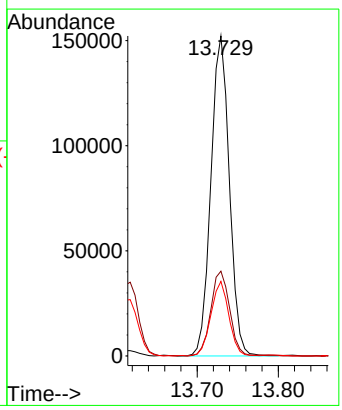


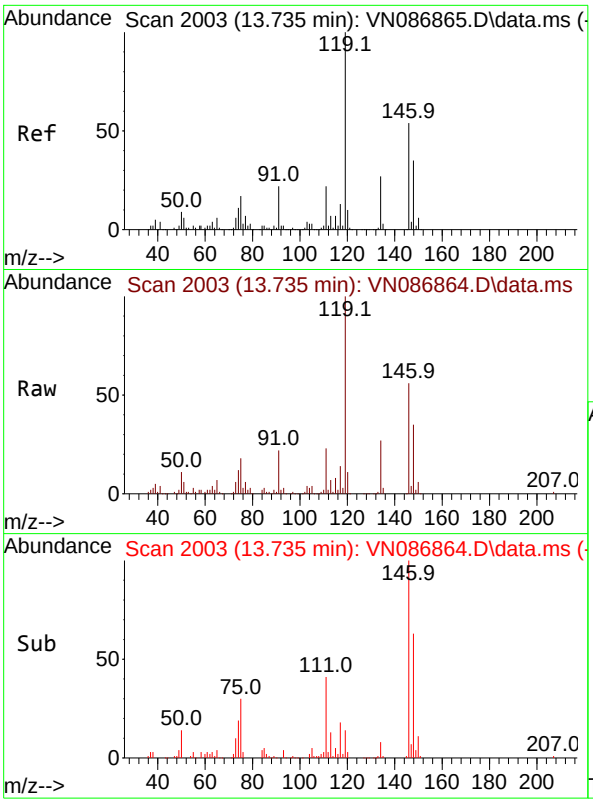


#86
p-Isopropyltoluene
Concen: 20.099 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 240682

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	22.7	11.5	34.4



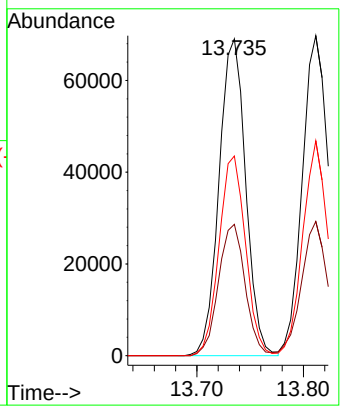


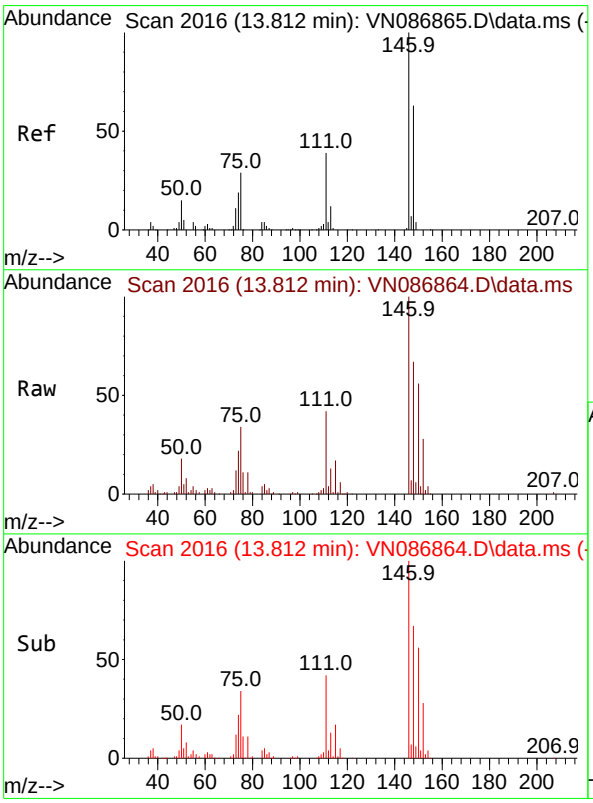
#87
1,3-Dichlorobenzene
Concen: 20.166 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 120099

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	62.5	32.0	96.2

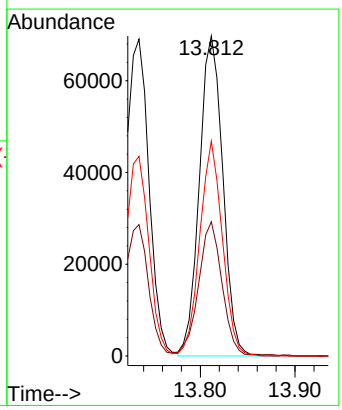


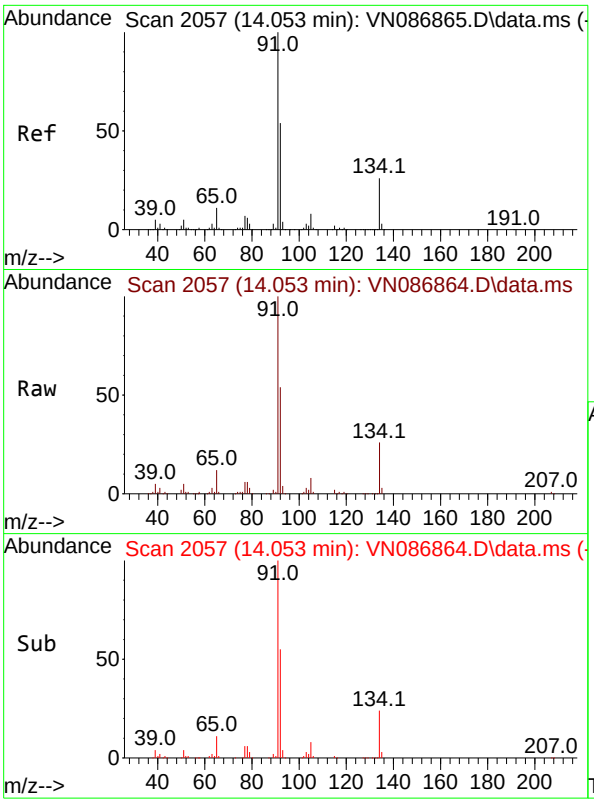


#88
1,4-Dichlorobenzene
Concen: 19.780 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 120102

Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.9	59.7
148	64.7	31.8	95.4



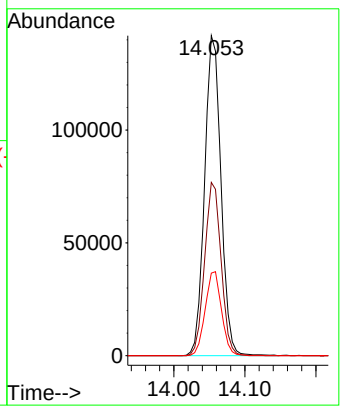


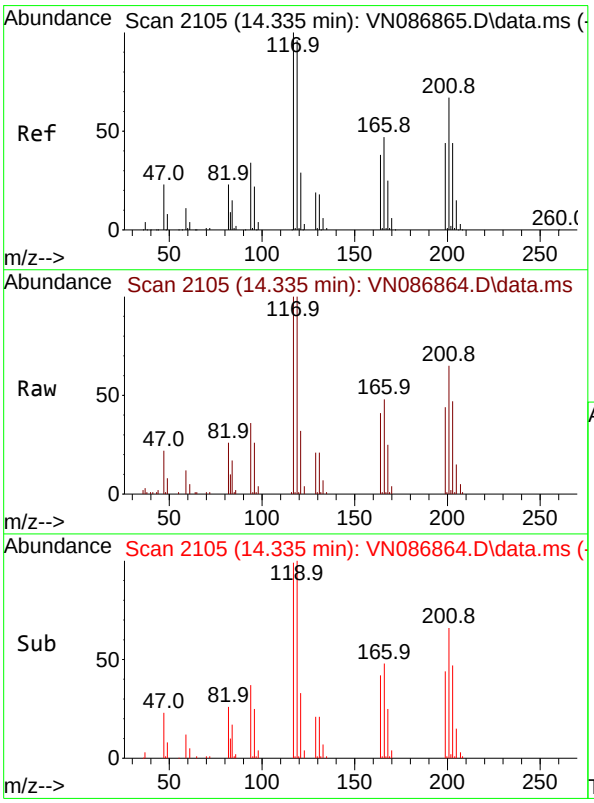
#89
n-Butylbenzene
Concen: 19.617 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 227536

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	26.2	13.0	39.0

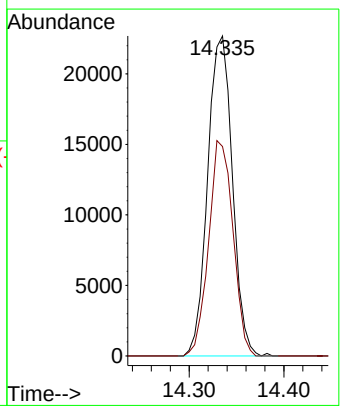


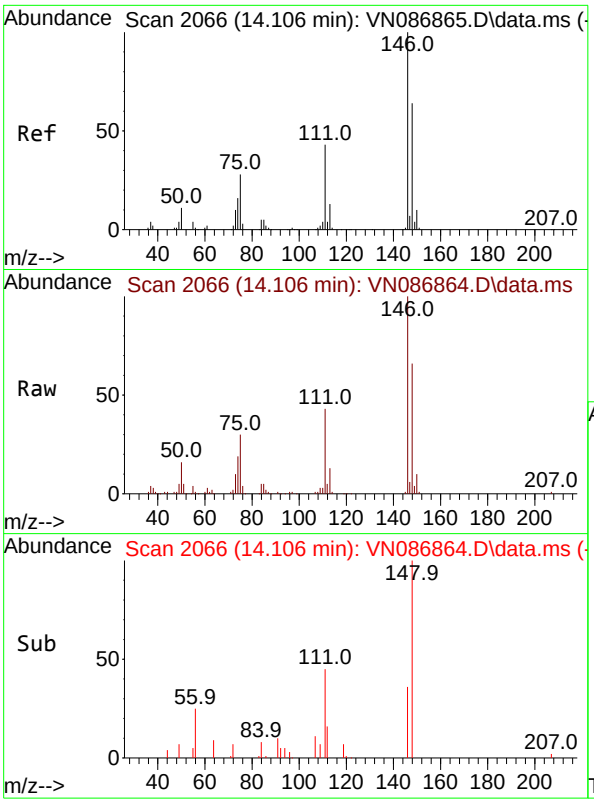


#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 41202

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6



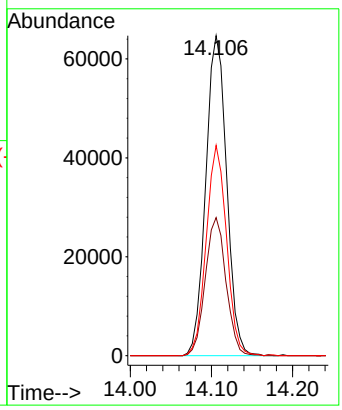


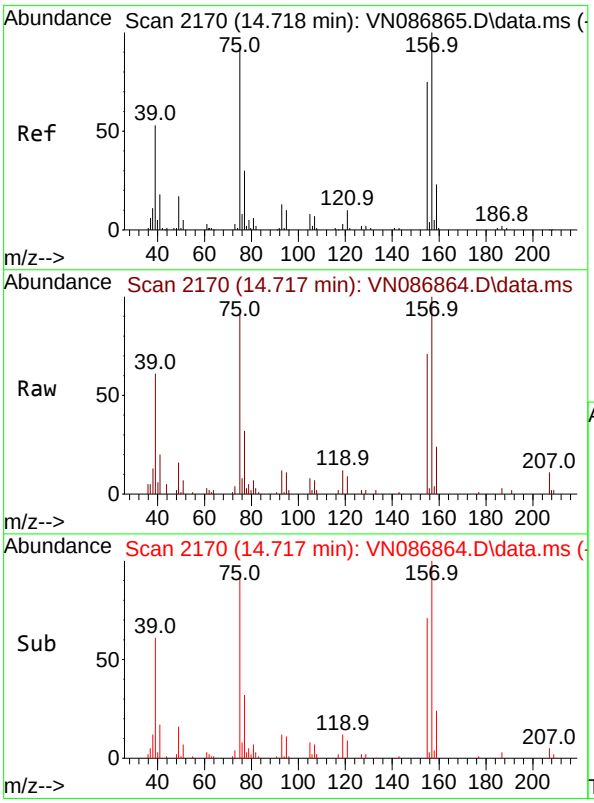
#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 115645

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.9	31.7	95.1

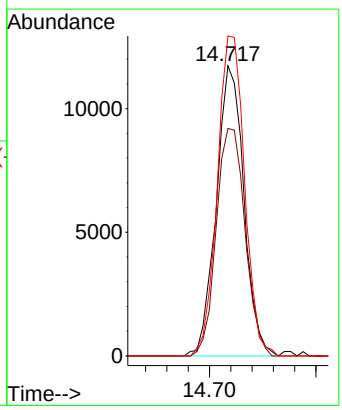


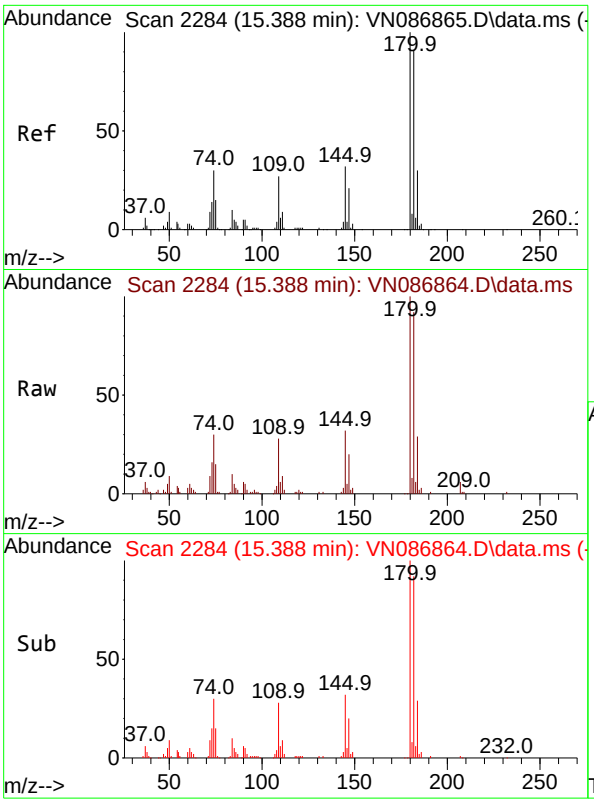


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.661 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 21025

Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.1	123.4
157	109.0	52.7	158.1



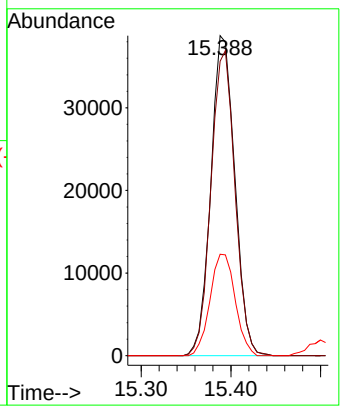


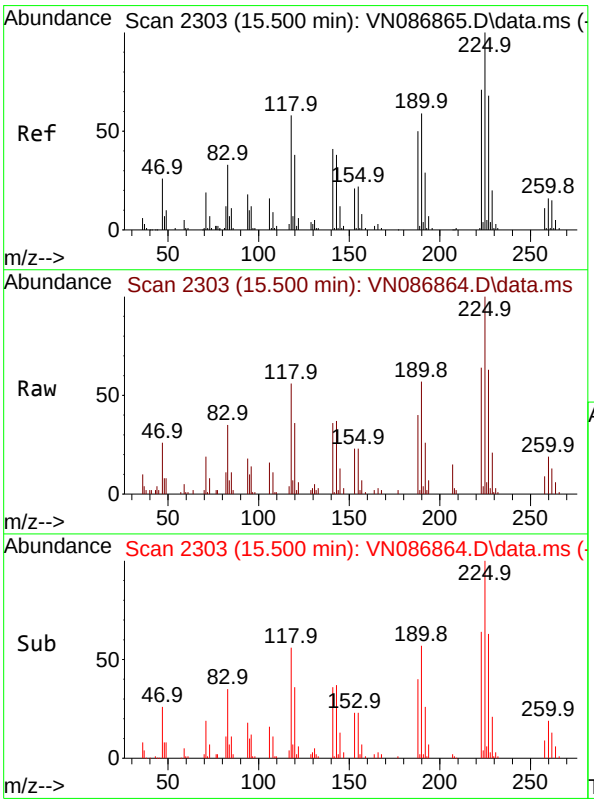
#93
1,2,4-Trichlorobenzene
Concen: 19.659 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 71826

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	33.3	16.0	47.9

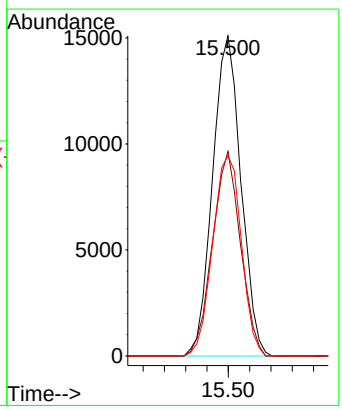


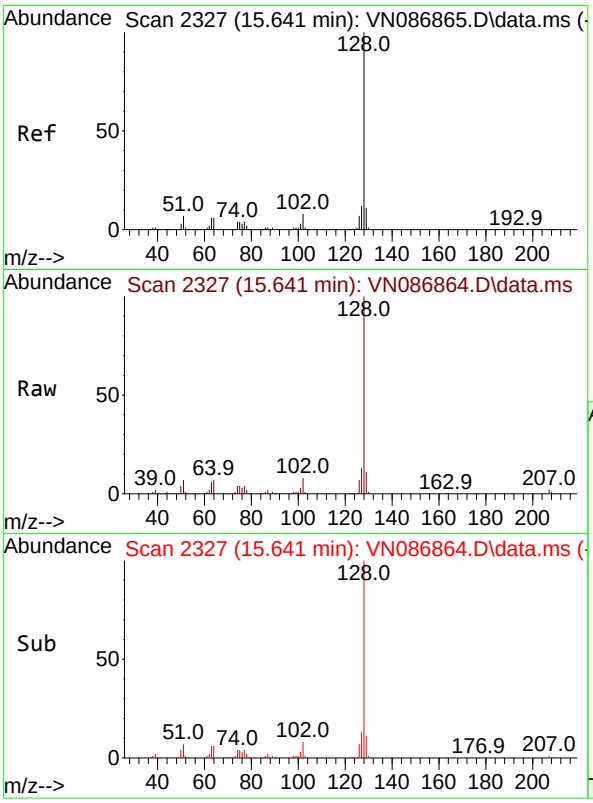


#94
Hexachlorobutadiene
Concen: 20.486 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:225 Resp: 27887

Ion	Ratio	Lower	Upper
225	100		
223	63.0	33.5	100.4
227	63.3	31.1	93.5



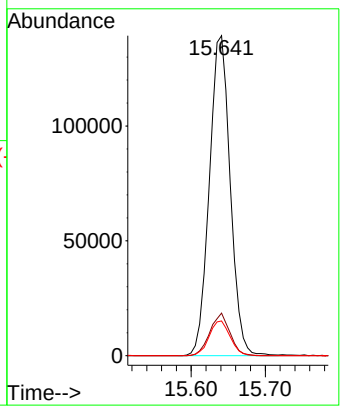


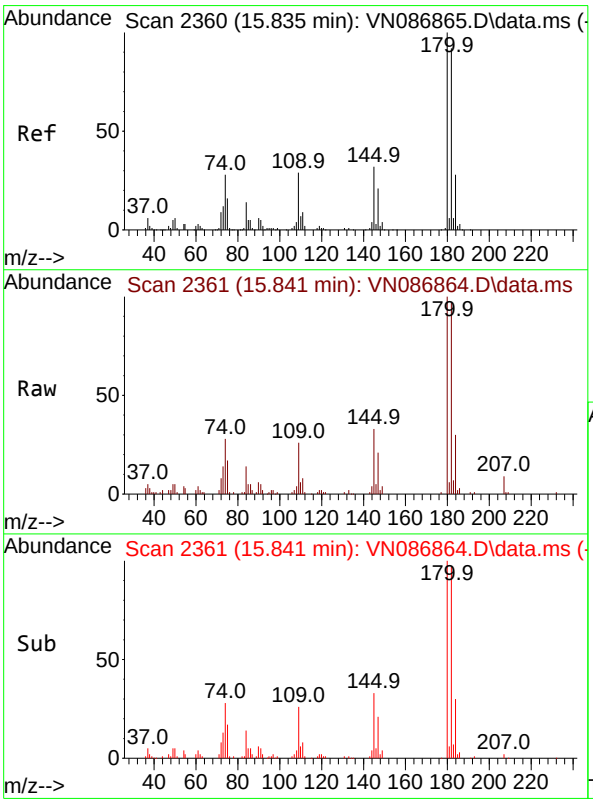
#95
Naphthalene
Concen: 20.043 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 272584

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

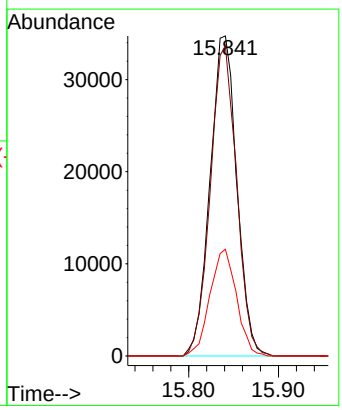




#96
1,2,3-Trichlorobenzene
Concen: 19.815 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:180 Resp: 71929

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.1	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	267483	66.959	ug/l		68
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

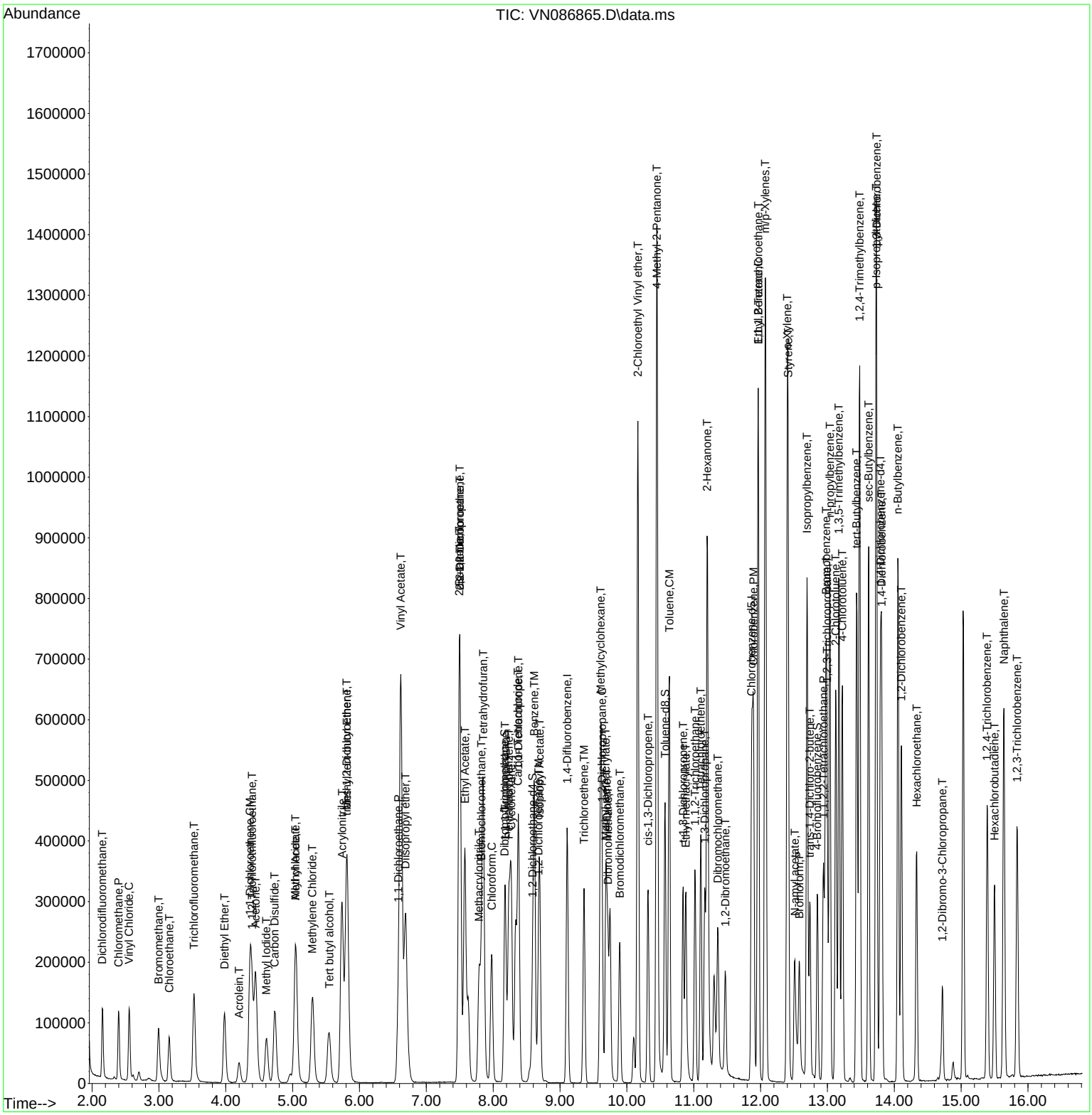
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

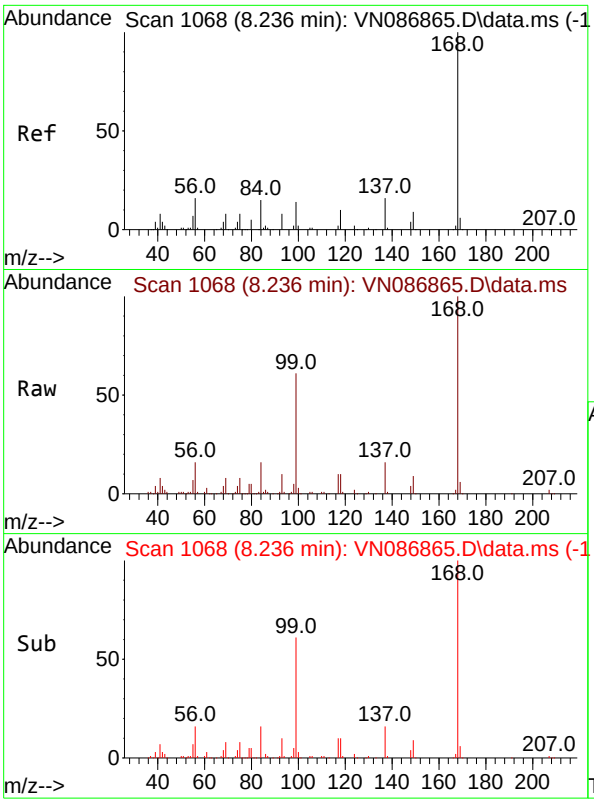
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



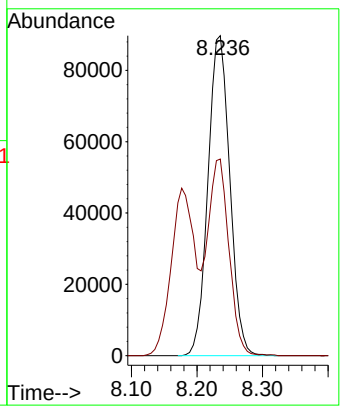


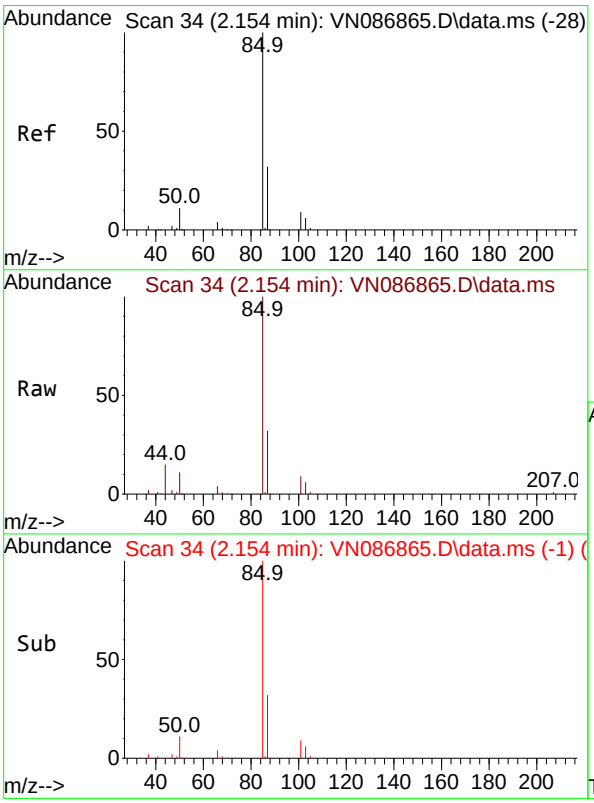
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 207354

Ion	Ratio	Lower	Upper
168	100		
99	61.4	49.1	73.7

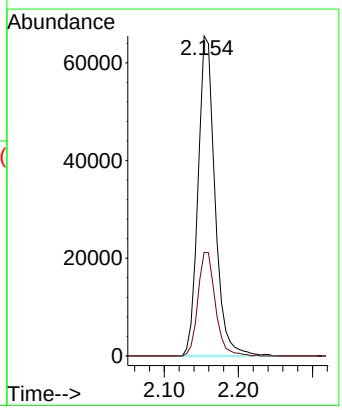


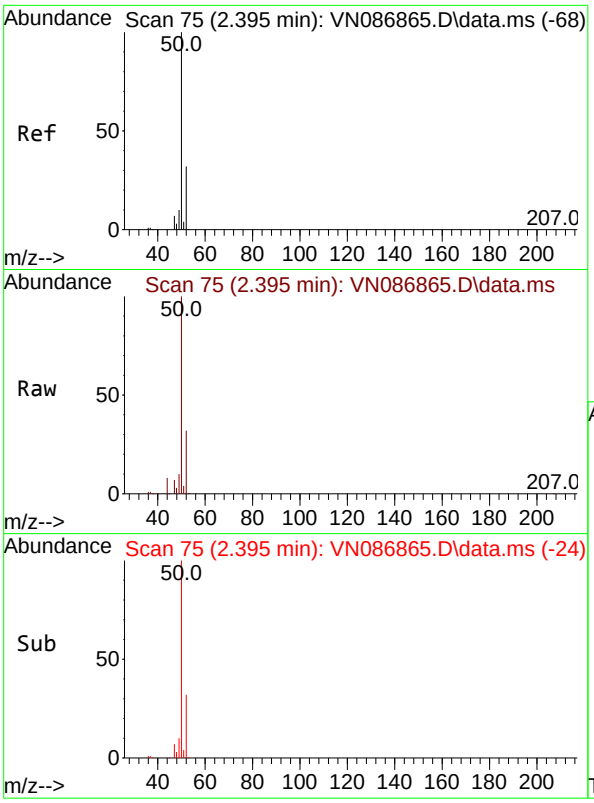


#2
Dichlorodifluoromethane
Concen: 50.283 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 85 Resp: 103958

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6



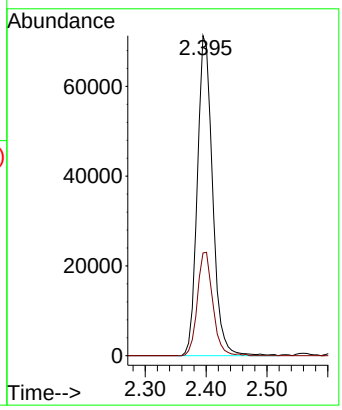


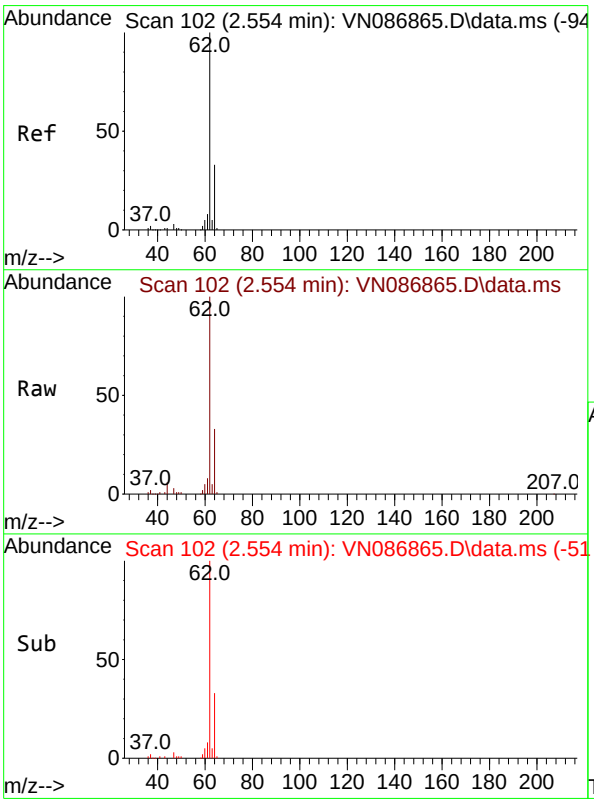
#3
Chloromethane
Concen: 46.397 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 123866

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

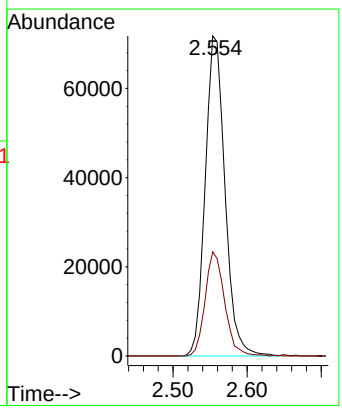


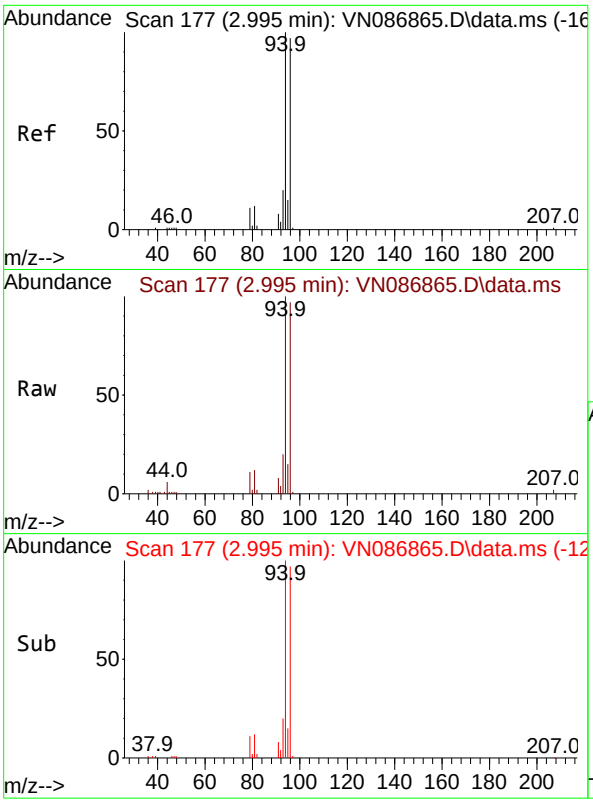


#4
Vinyl Chloride
Concen: 48.215 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 132783

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0



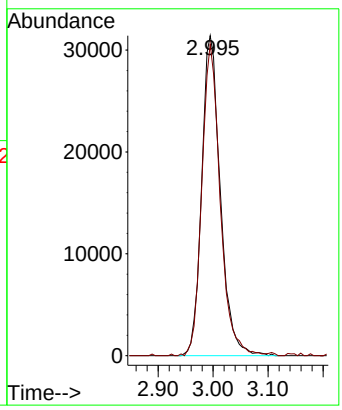


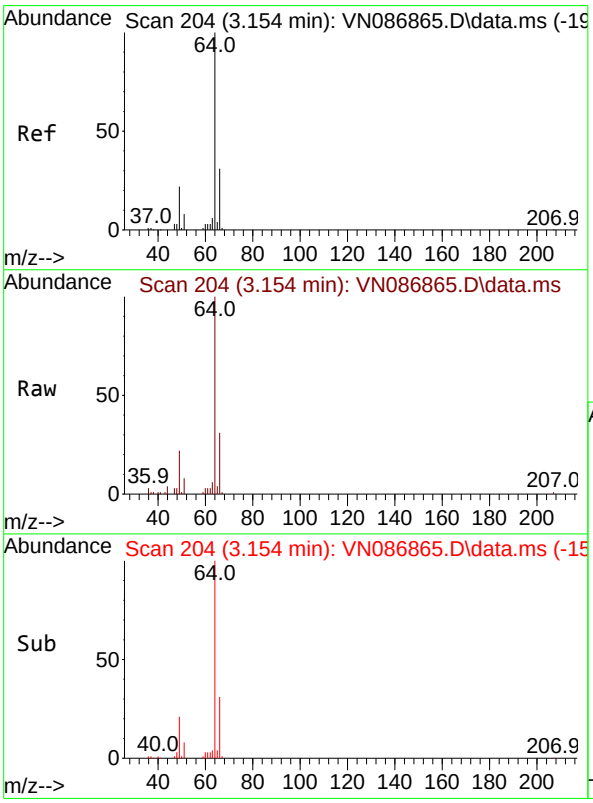
#5
Bromomethane
Concen: 47.999 ug/l
RT: 2.995 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73974

Ion	Ratio	Lower	Upper
94	100		
96	97.4	77.9	116.9

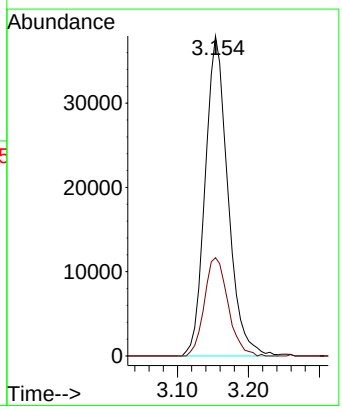


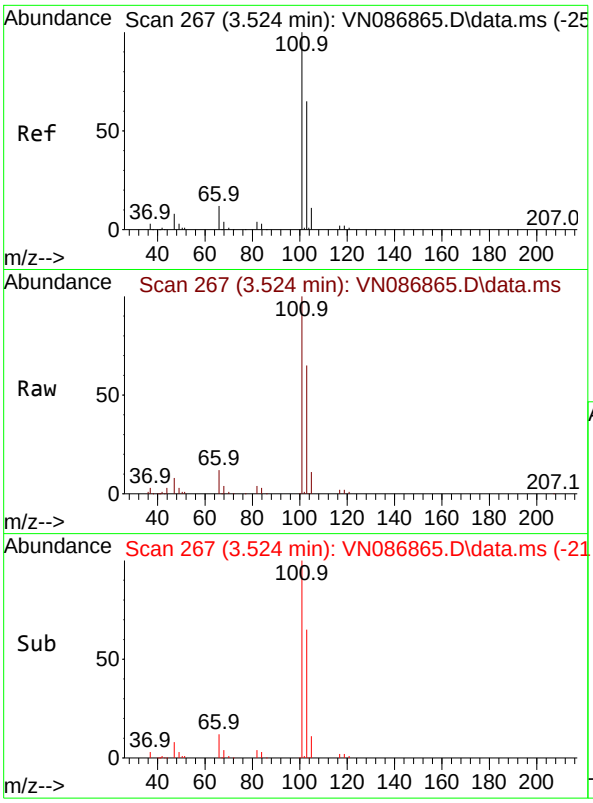


#6
Chloroethane
Concen: 47.504 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 64 Resp: 84505

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8



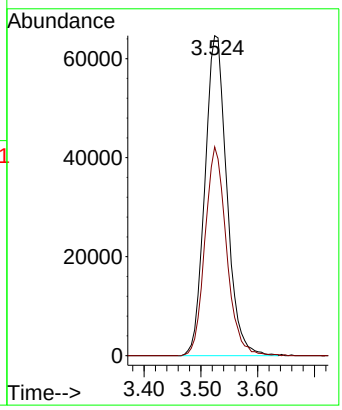


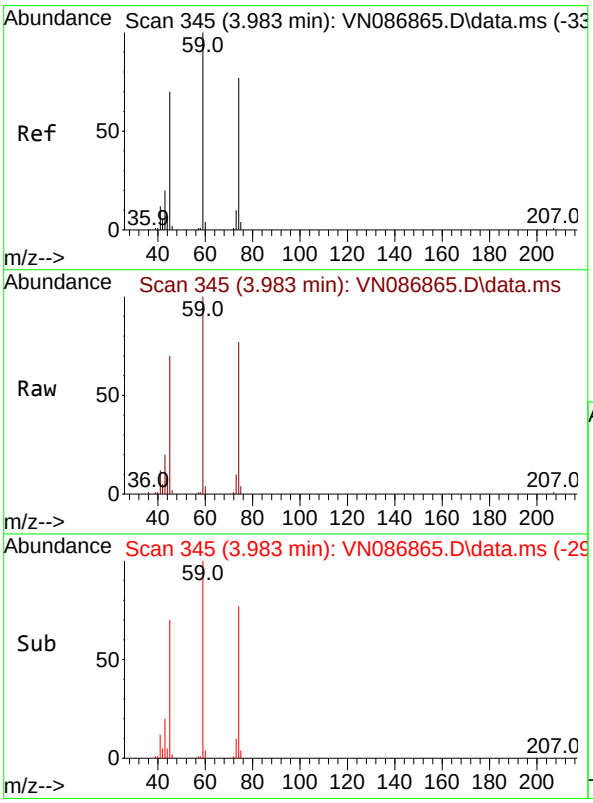
#7
Trichlorofluoromethane
Concen: 48.041 ug/l
RT: 3.524 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172860

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

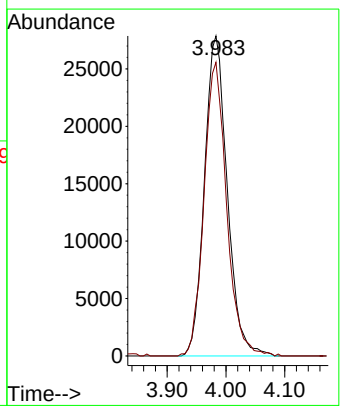


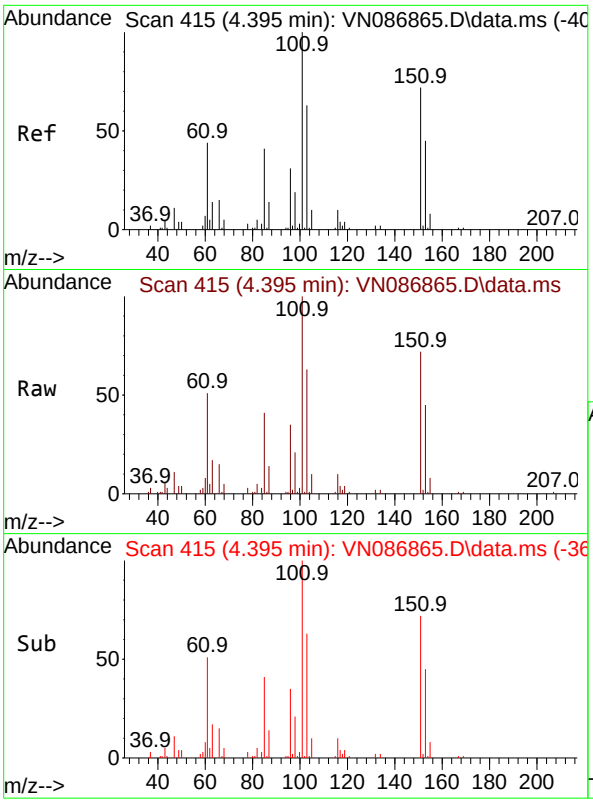


#8
Diethyl Ether
Concen: 47.963 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 74 Resp: 75193

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5



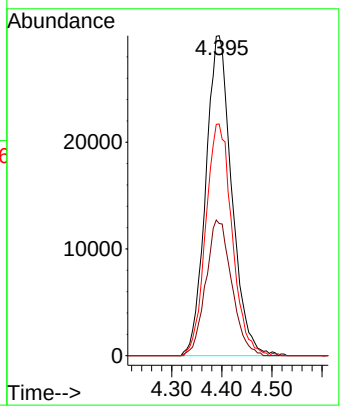


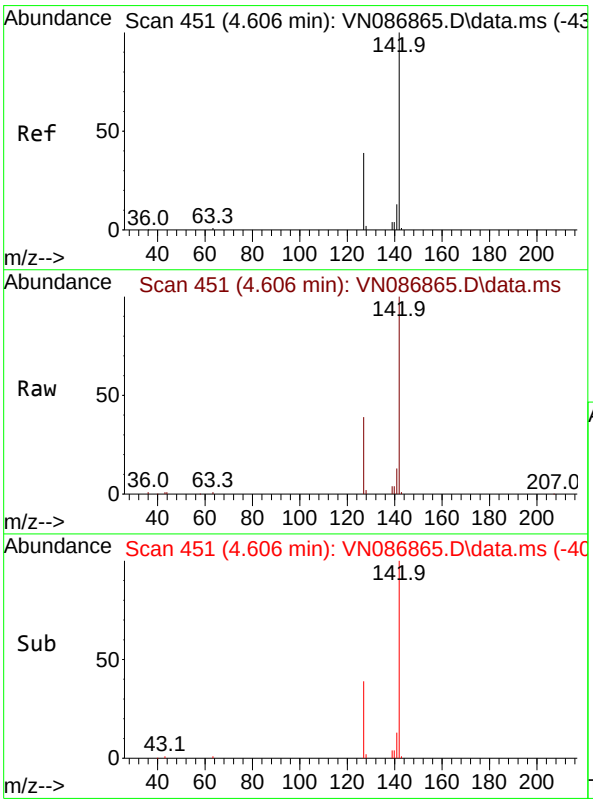
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.640 ug/l
RT: 4.395 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 107695

Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.4	58.7	88.1

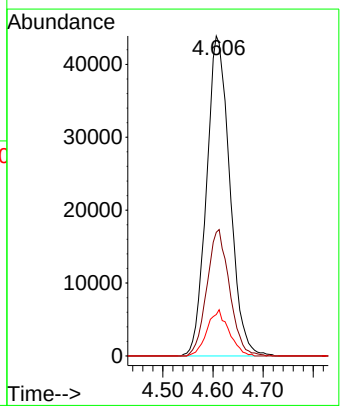


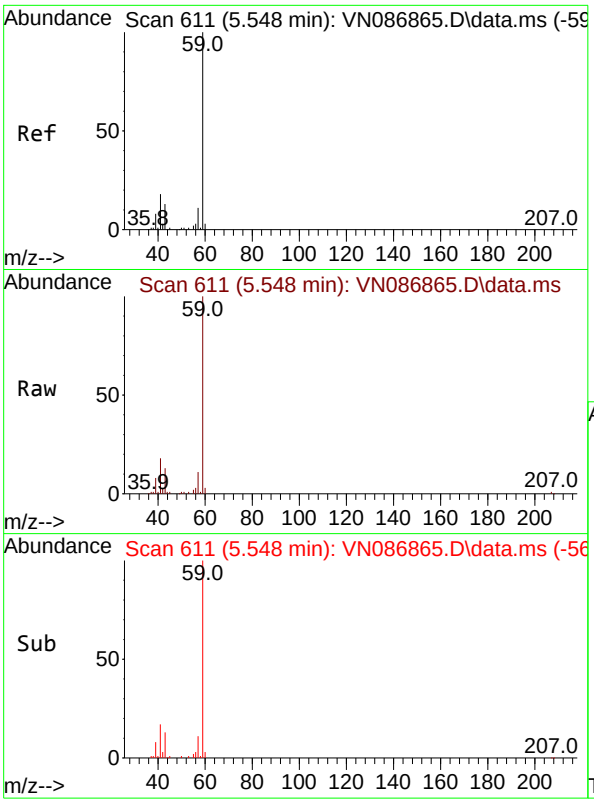


#10
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:142 Resp: 141678

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	13.0	10.4	15.6



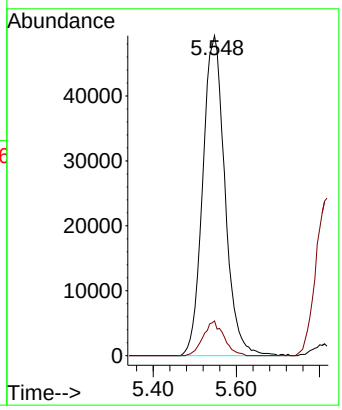


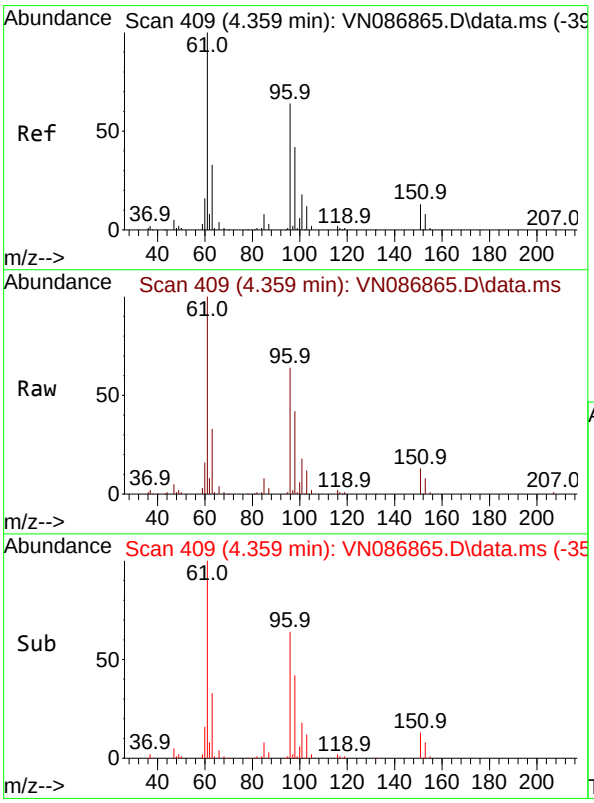
#11
Tert butyl alcohol
Concen: 242.020 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 182315

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

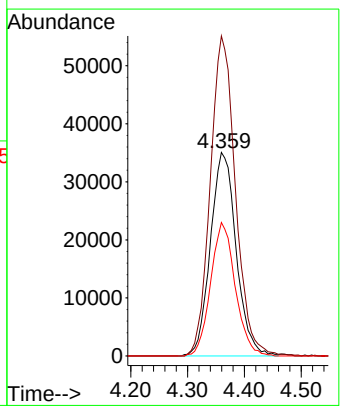


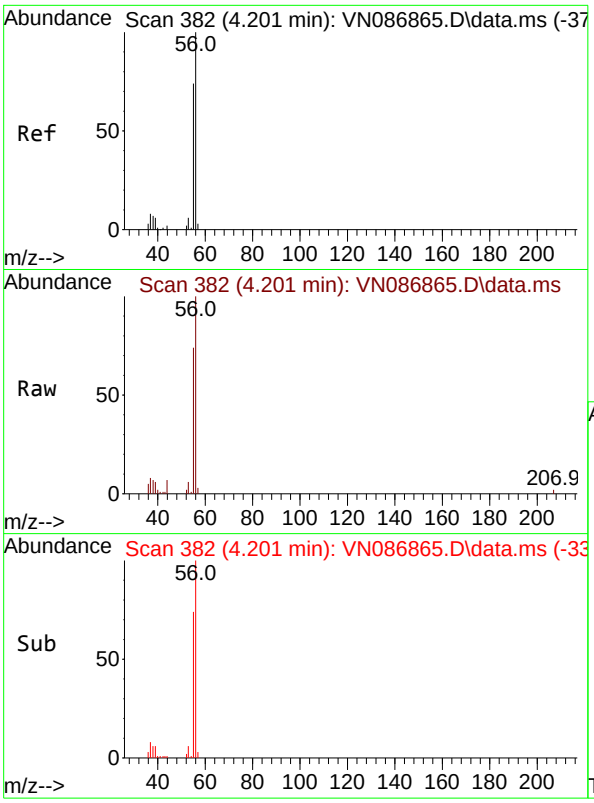


#12
1,1-Dichloroethene
Concen: 47.900 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 110549

Ion	Ratio	Lower	Upper
96	100		
61	157.2	125.8	188.6
98	65.6	52.5	78.7



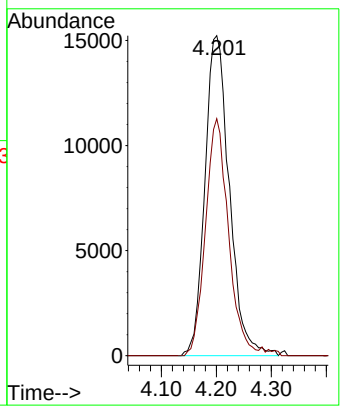


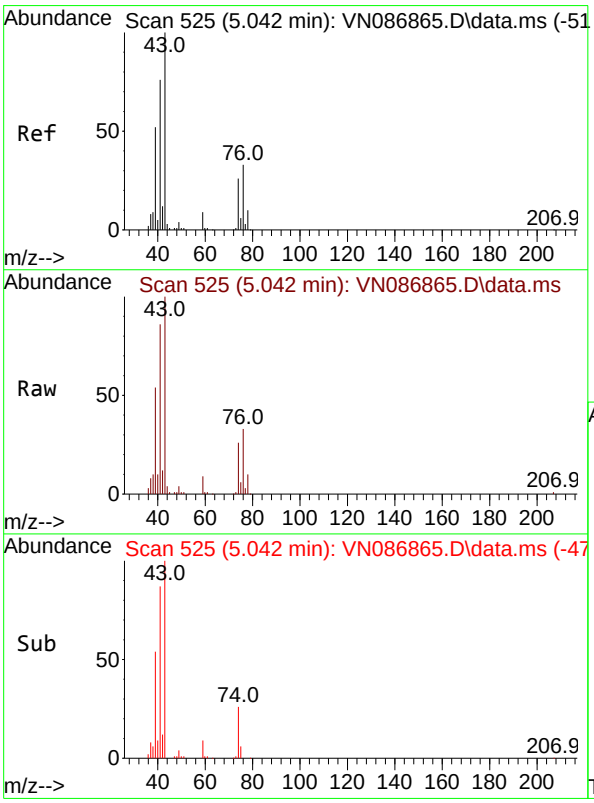
#13
Acrolein
Concen: 197.217 ug/l
RT: 4.201 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 47026

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

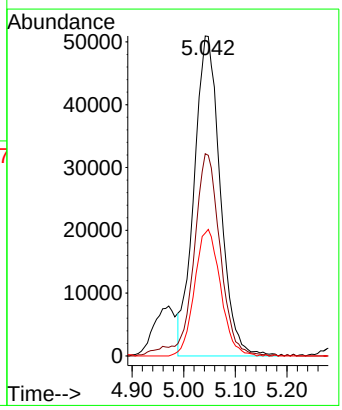


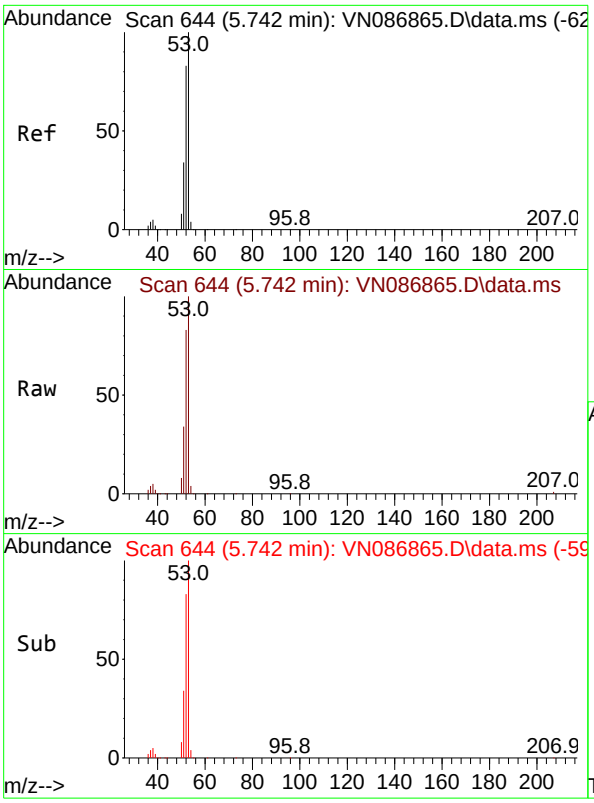


#14
Allyl chloride
Concen: 46.848 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 179313

Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	39.2	31.4	47.0



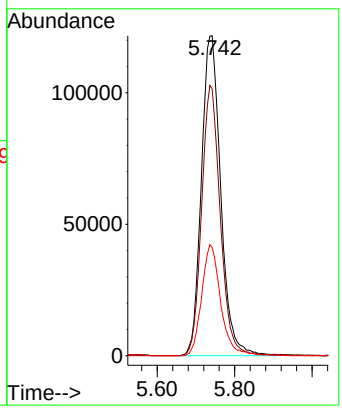


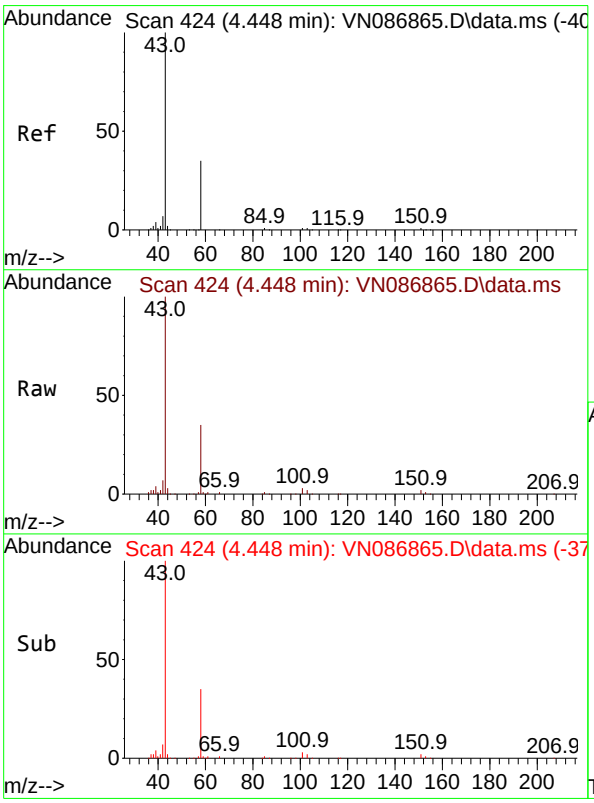
#15
Acrylonitrile
Concen: 239.638 ug/l
RT: 5.742 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 421941

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8

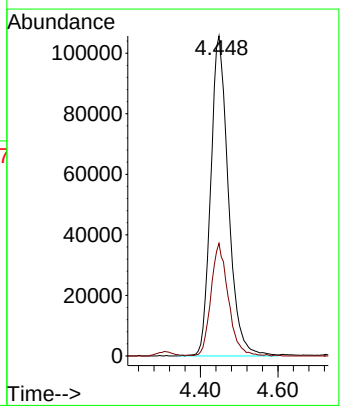


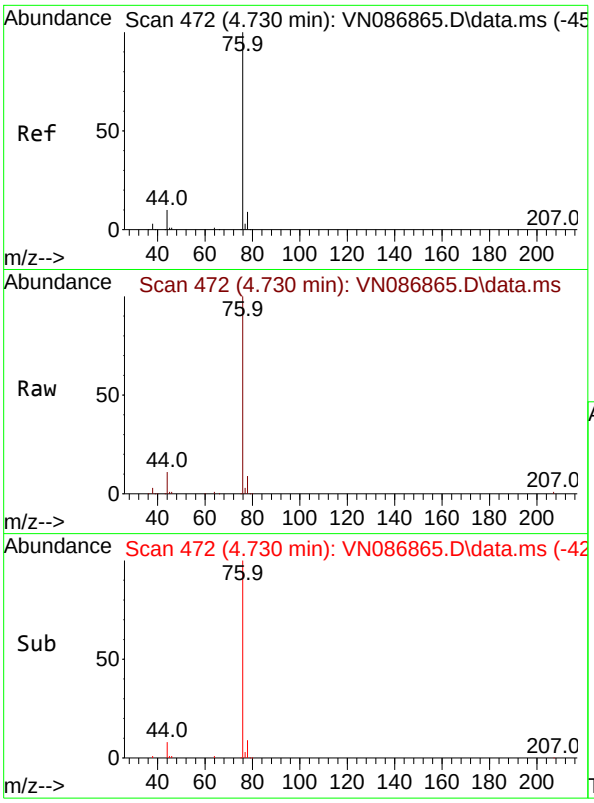


#16
Acetone
Concen: 226.765 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 333857

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.0	42.0



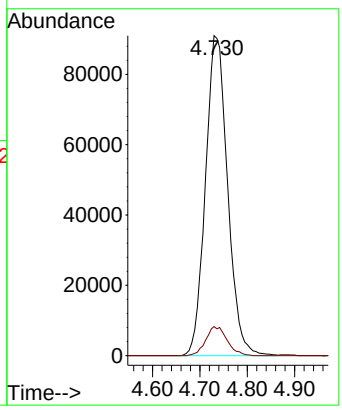


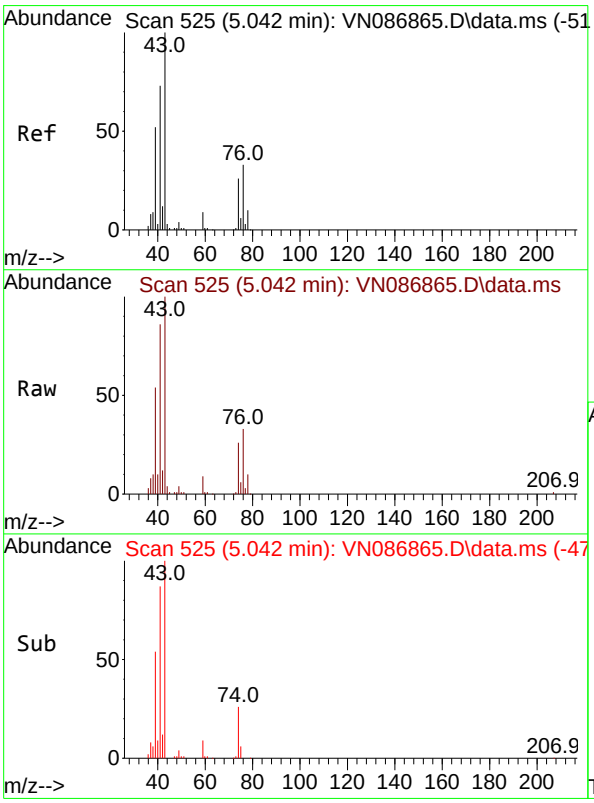
#17
Carbon Disulfide
Concen: 46.328 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 295753

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

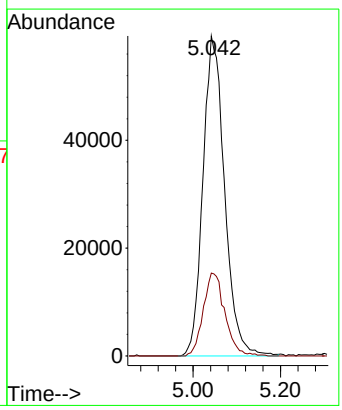


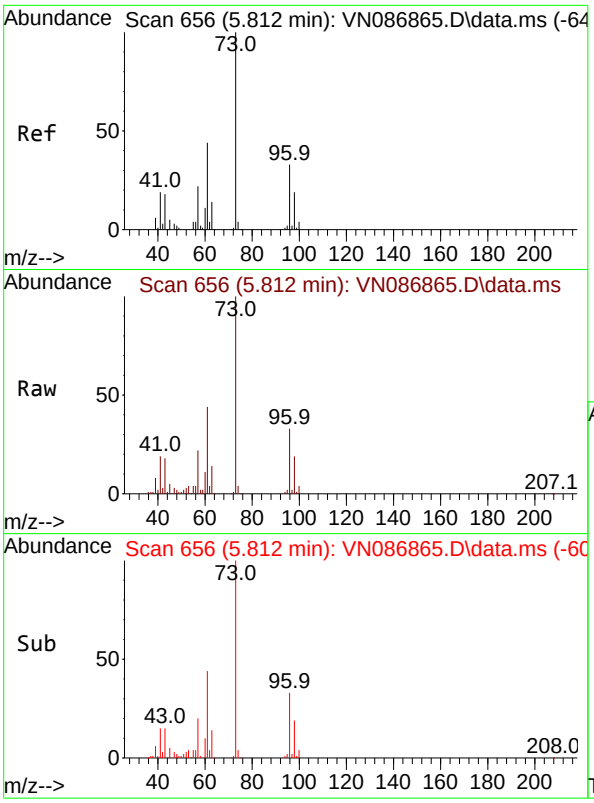


#18
Methyl Acetate
Concen: 47.673 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 204538

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1



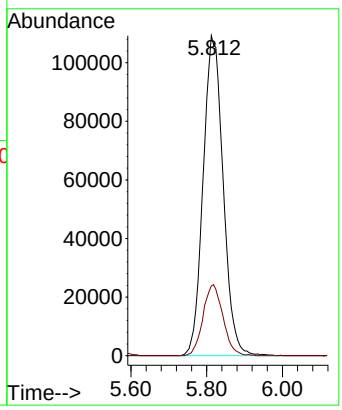


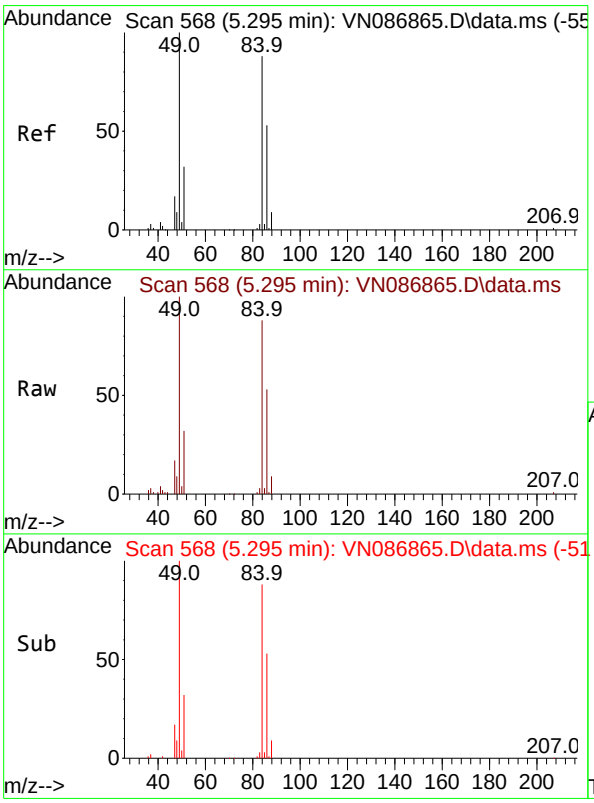
#19
Methyl tert-butyl Ether
Concen: 47.960 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 400775

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

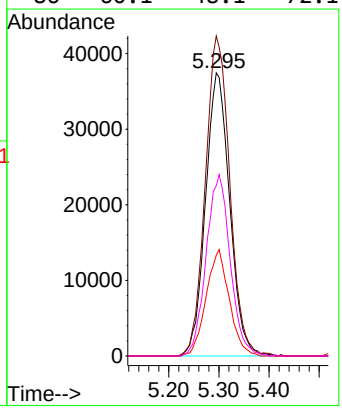


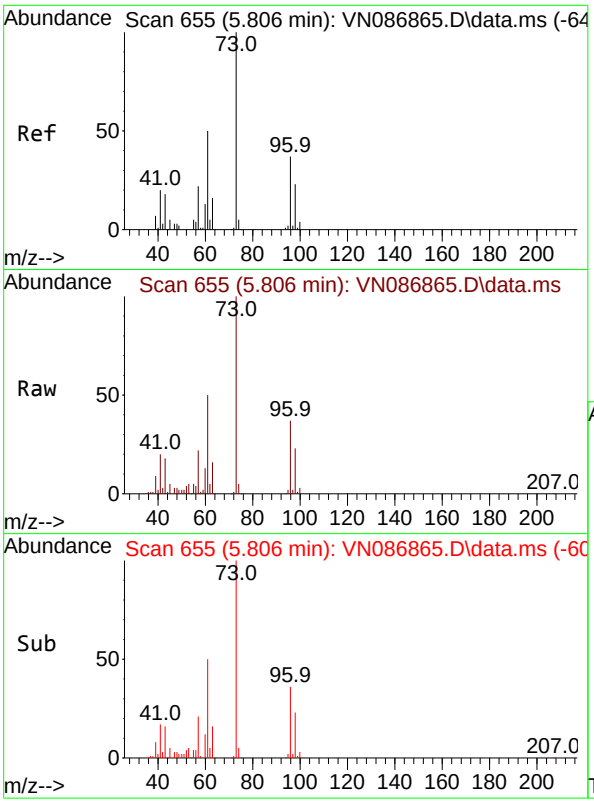


#20
Methylene Chloride
Concen: 45.531 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 84 Resp: 125498

Ion	Ratio	Lower	Upper
84	100		
49	113.1	90.5	135.7
51	35.6	28.5	42.7
86	60.1	48.1	72.1



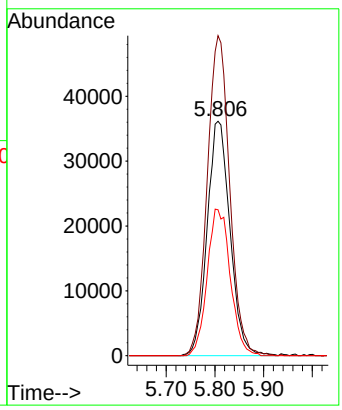


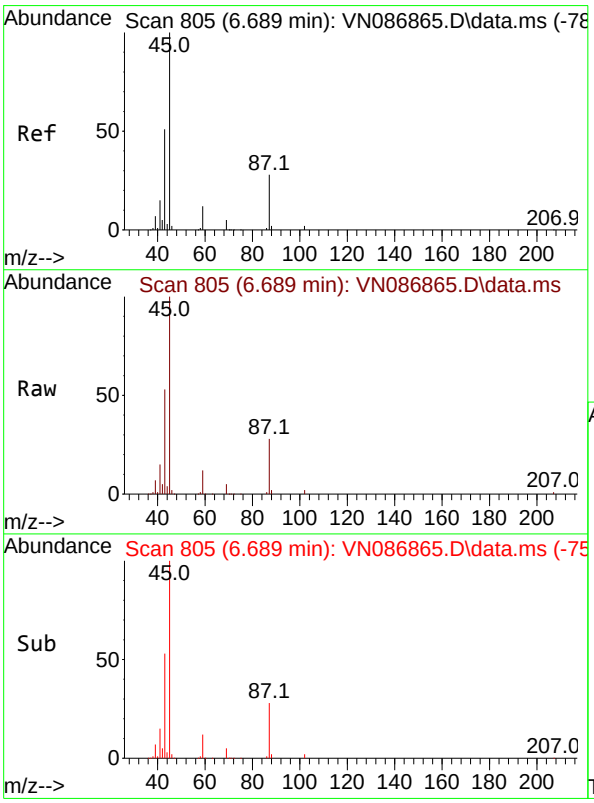
#21
trans-1,2-Dichloroethene
Concen: 45.822 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 117660

Ion	Ratio	Lower	Upper
96	100		
61	136.5	109.2	163.8
98	62.3	49.8	74.8

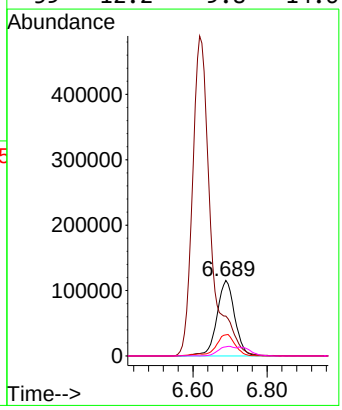


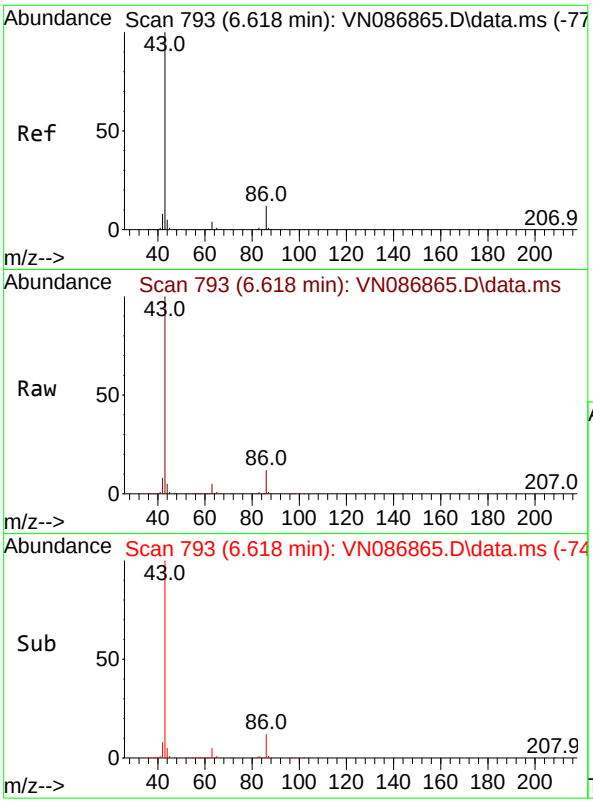


#22
Diisopropyl ether
Concen: 47.711 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 45 Resp: 384939

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	28.0	22.4	33.6
59	12.2	9.8	14.6



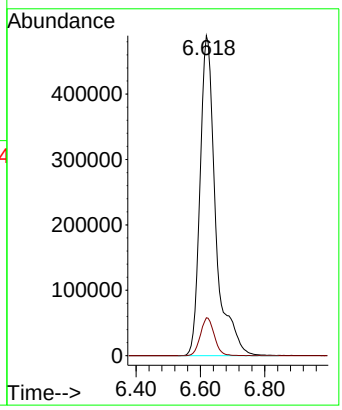


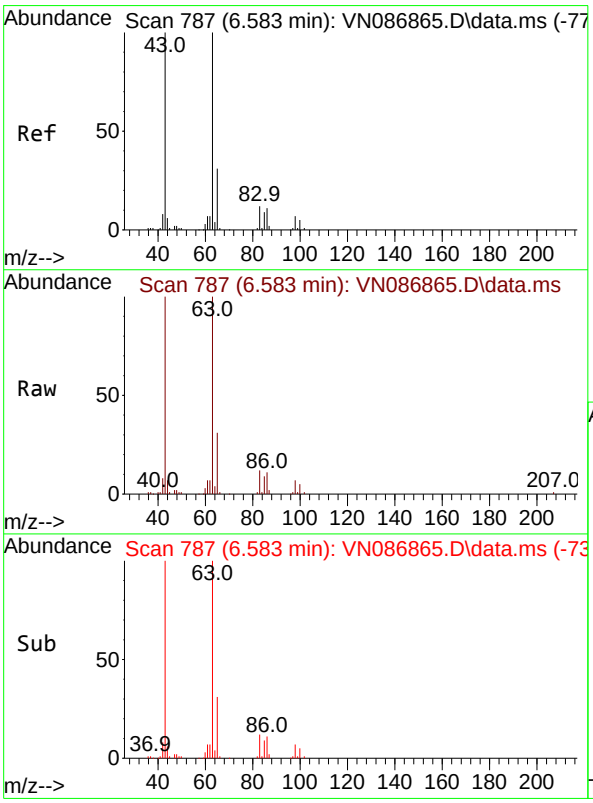
#23
Vinyl Acetate
Concen: 241.910 ug/l
RT: 6.618 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1649023

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.5	14.3

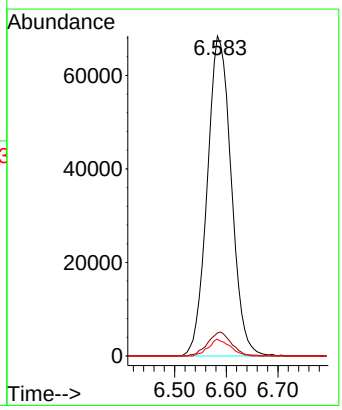


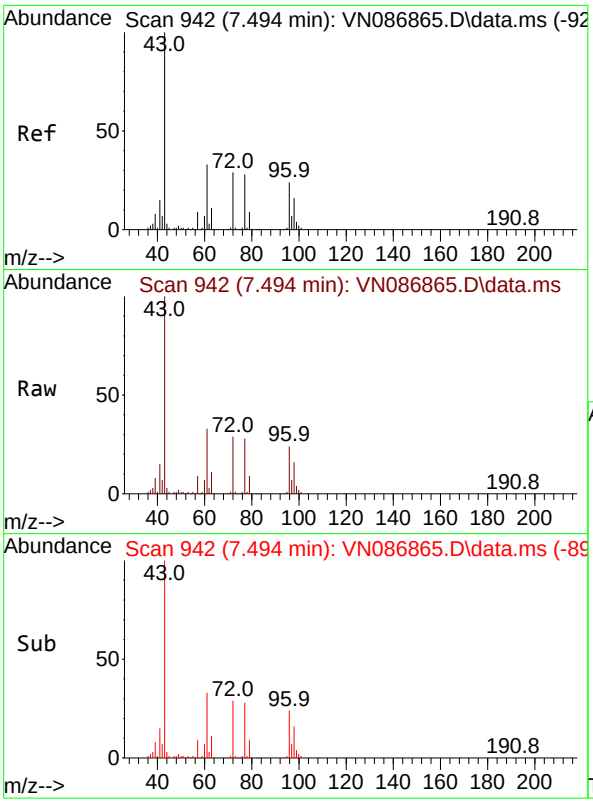


#24
1,1-Dichloroethane
Concen: 47.485 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 220477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	5.2	2.6	7.8



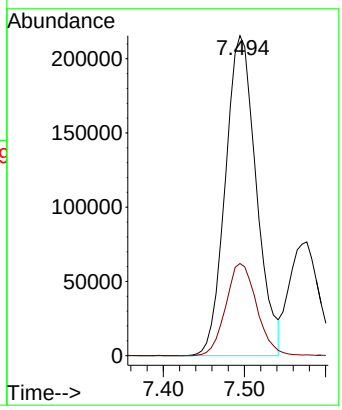


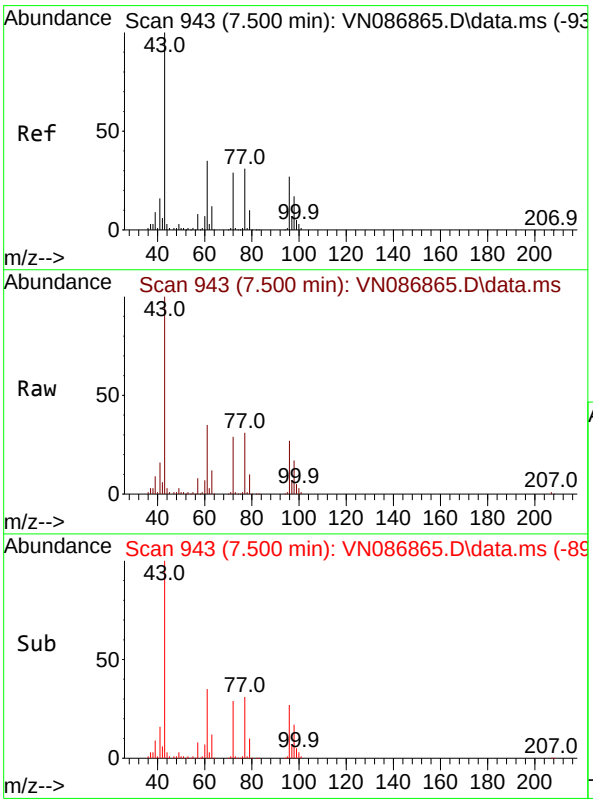
#25
2-Butanone
Concen: 238.693 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 571221

Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

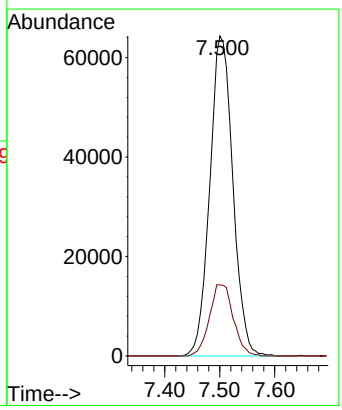


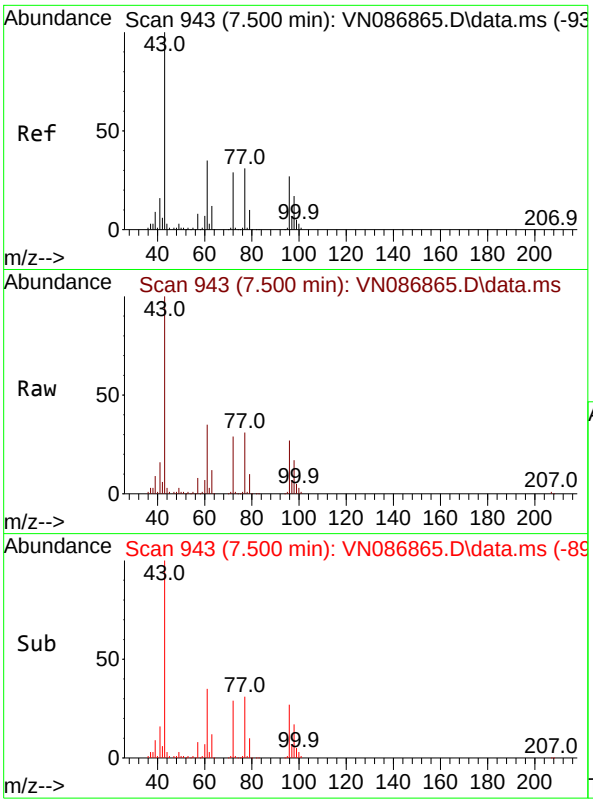


#26
2,2-Dichloropropane
Concen: 51.933 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 77 Resp: 187567

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7



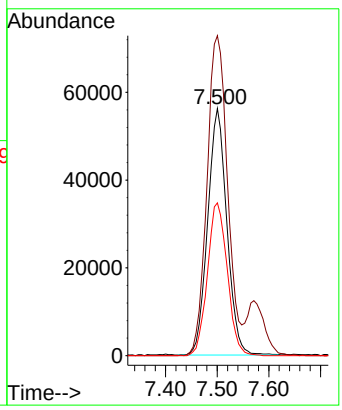


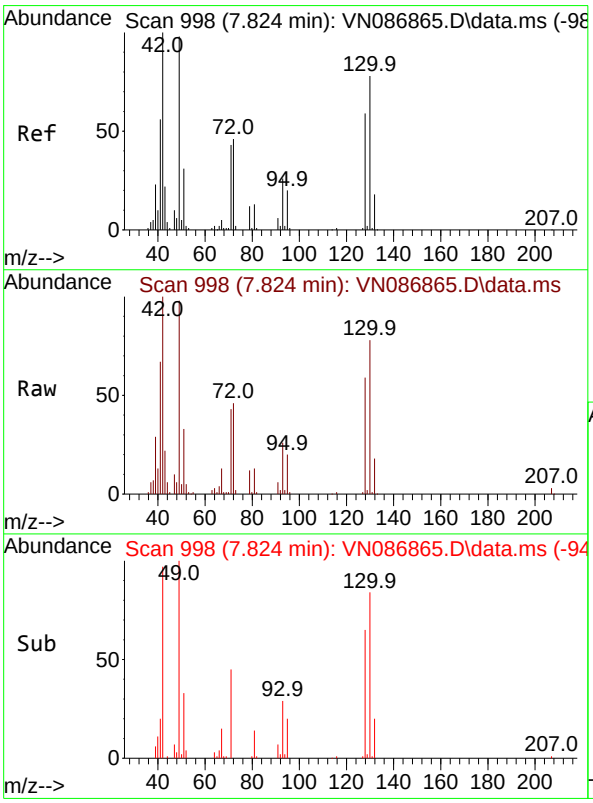
#27
cis-1,2-Dichloroethene
Concen: 47.189 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 144911

Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	278.0
98	64.1	0.0	128.2

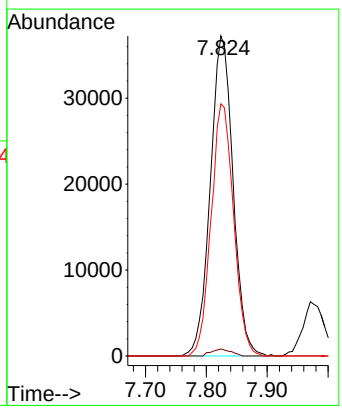


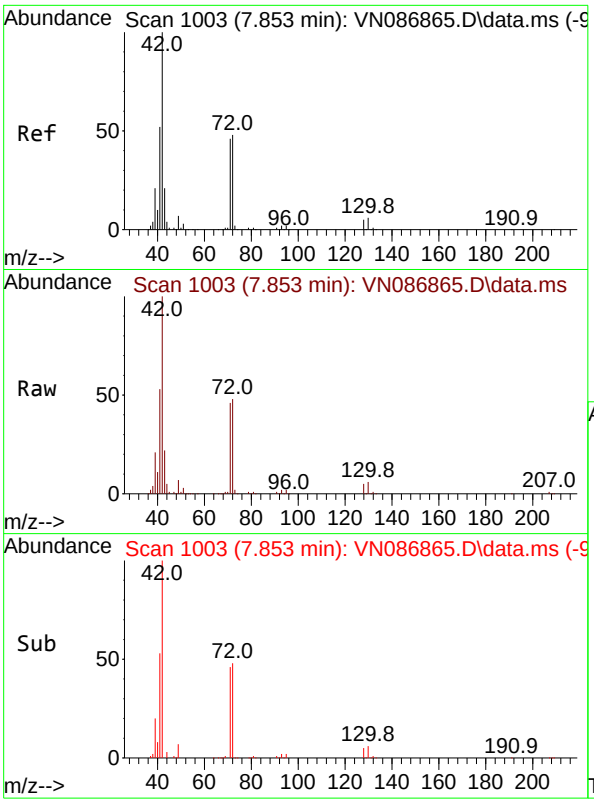


#28
Bromochloromethane
Concen: 42.362 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 49 Resp: 96707

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.7	62.2	93.2



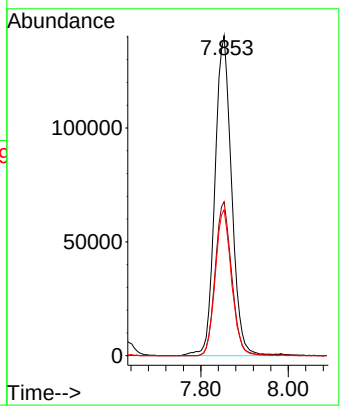


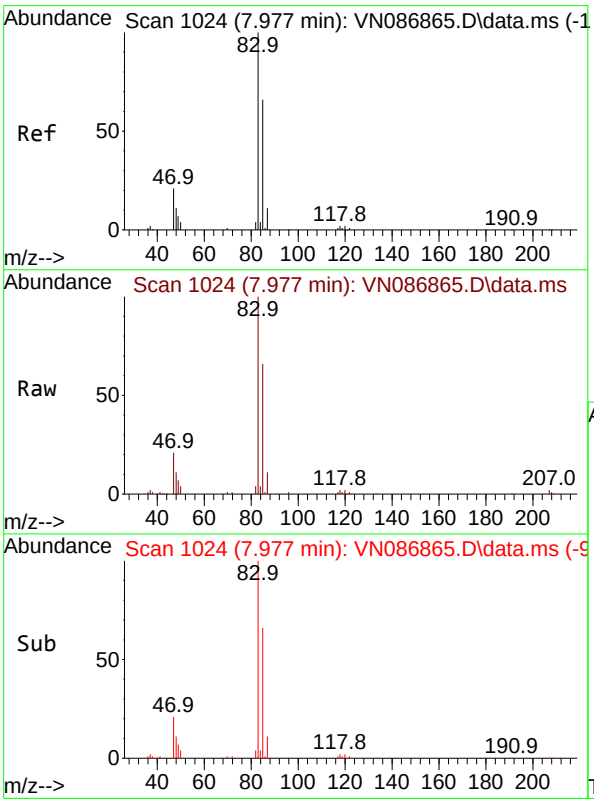
#29
Tetrahydrofuran
Concen: 238.210 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 371357

Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.5	35.6	53.4

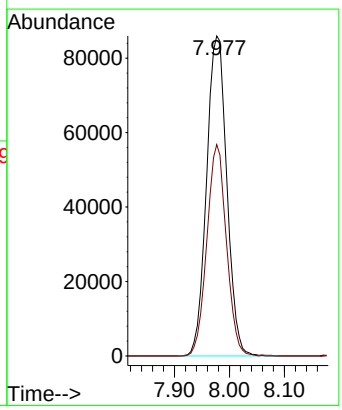


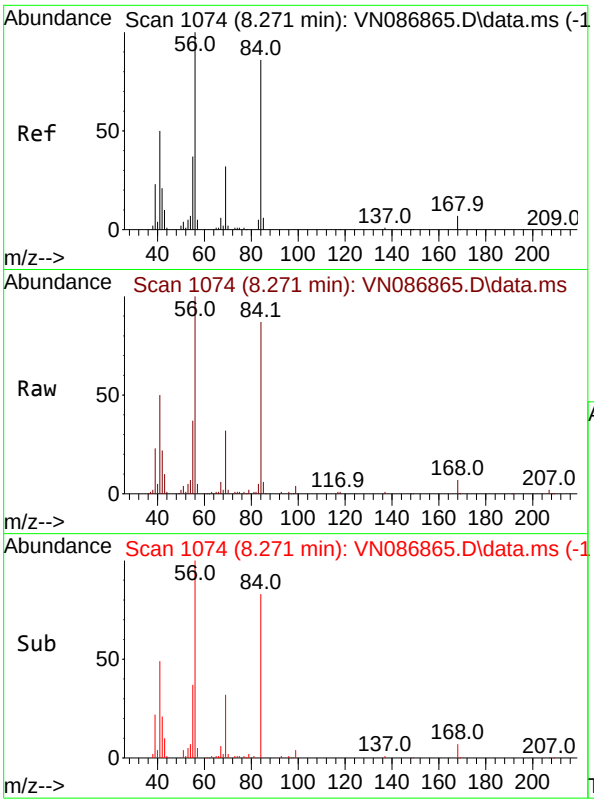


#30
Chloroform
Concen: 47.467 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 220093

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3



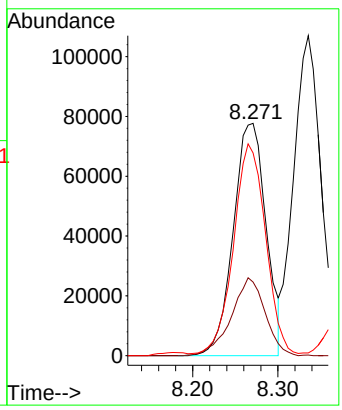


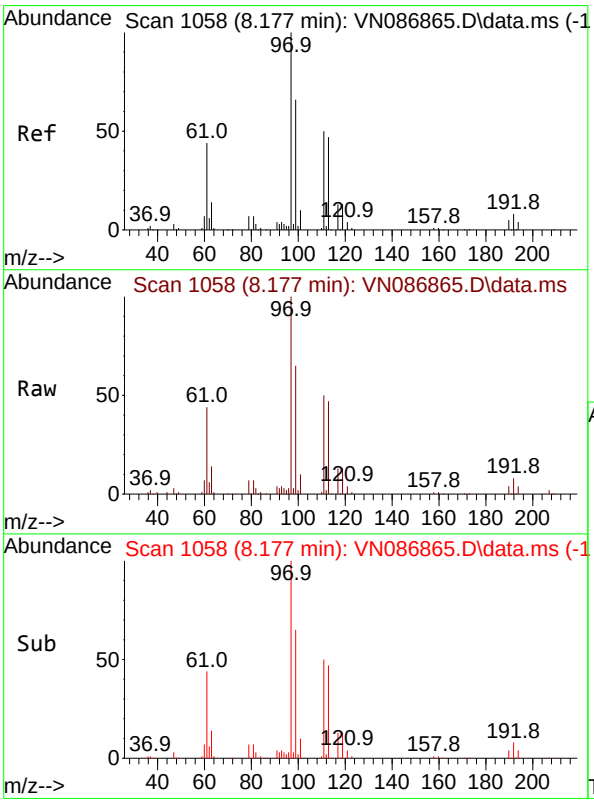
#31
Cyclohexane
Concen: 46.217 ug/l
RT: 8.271 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 208105

Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	86.0	68.8	103.2

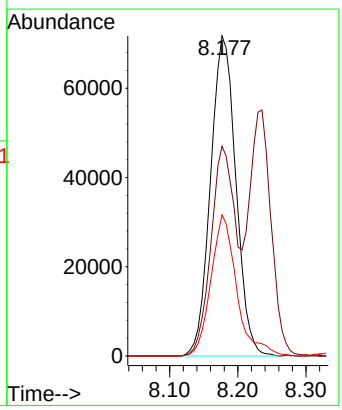


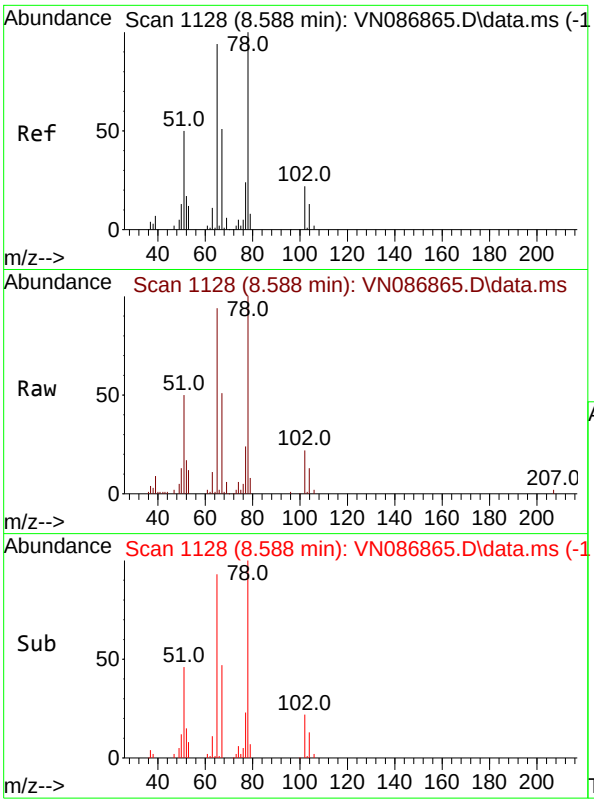


#32
1,1,1-Trichloroethane
Concen: 47.037 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 185502

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	44.9	35.9	53.9



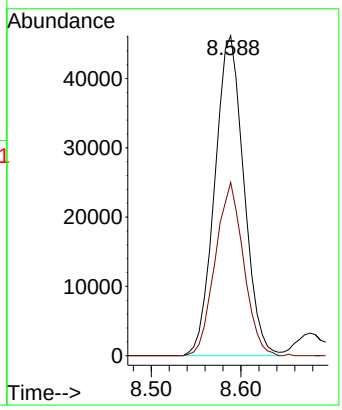


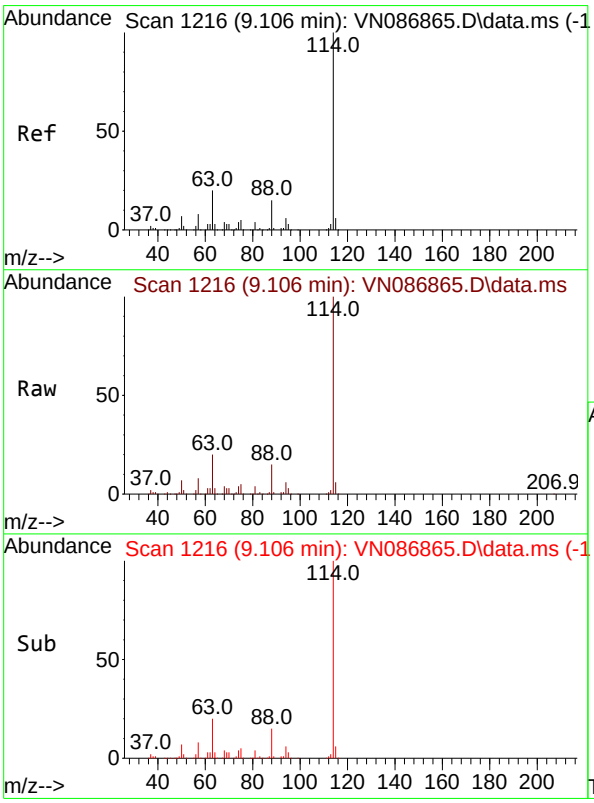
#33
1,2-Dichloroethane-d4
Concen: 37.366 ug/l
RT: 8.588 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 103736

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

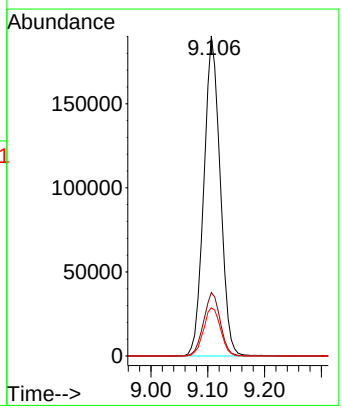


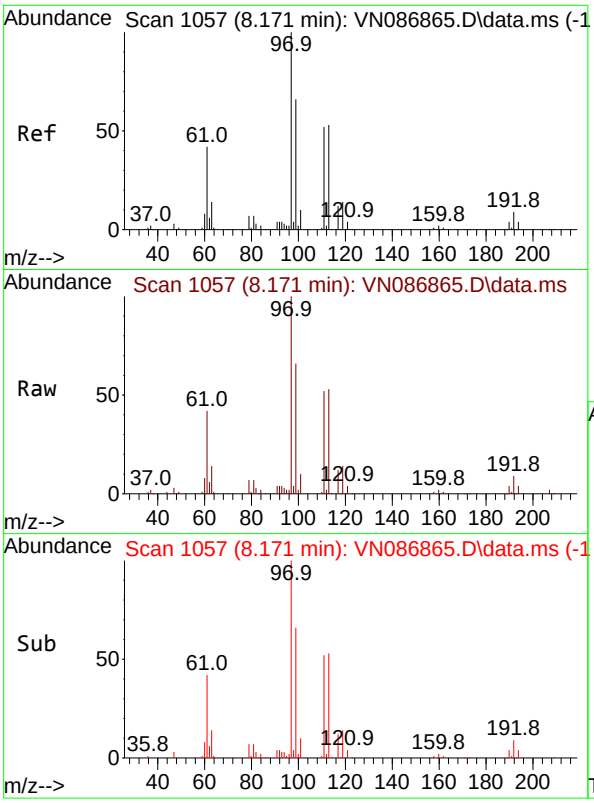


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:114 Resp: 378587

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.1	0.0	30.2



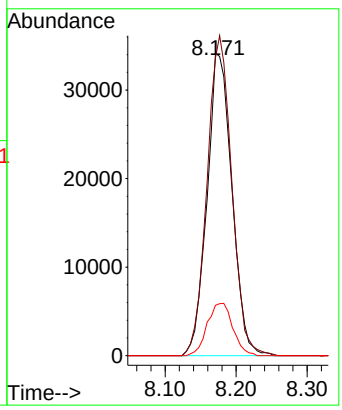


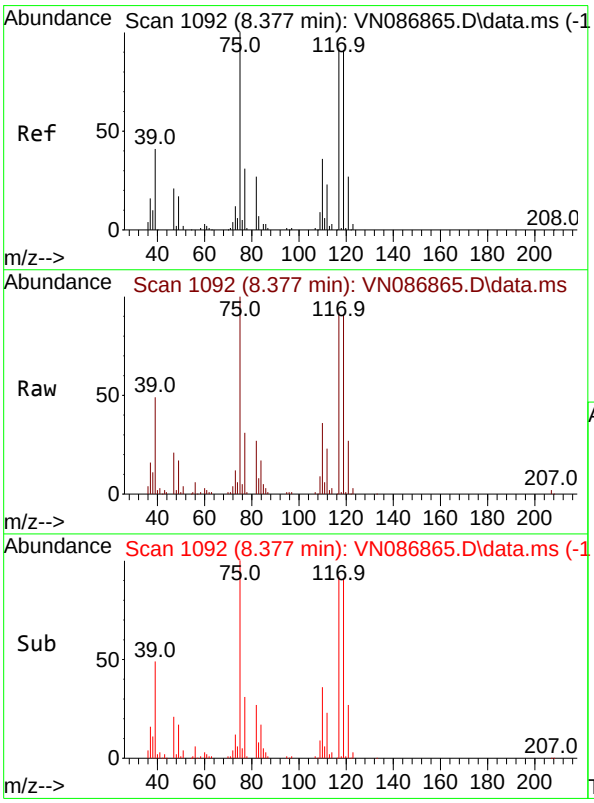
#35
Dibromofluoromethane
Concen: 37.020 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 83058

Ion	Ratio	Lower	Upper
113	100		
111	105.2	84.2	126.2
192	17.8	14.2	21.4

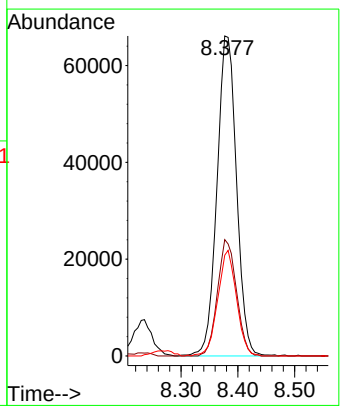


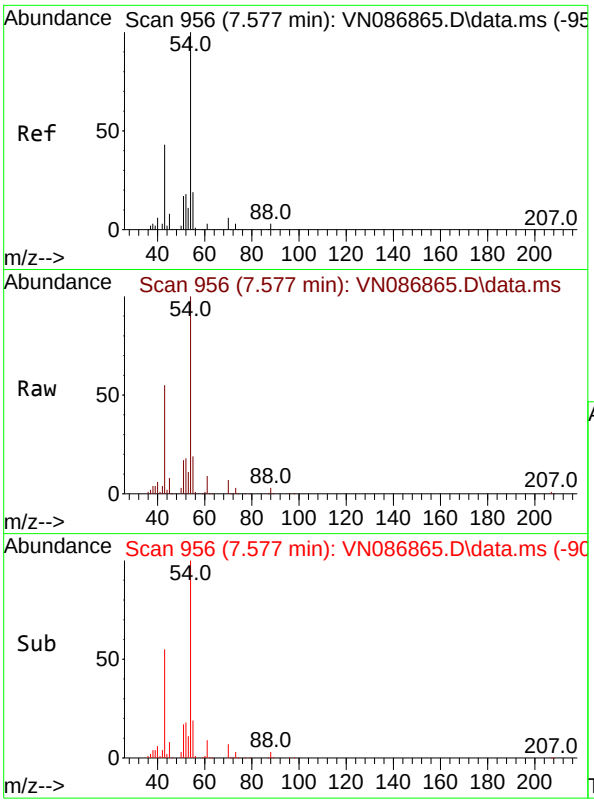


#36
1,1-Dichloropropene
Concen: 47.362 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 158341

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9



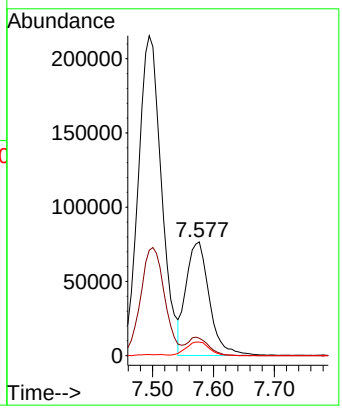


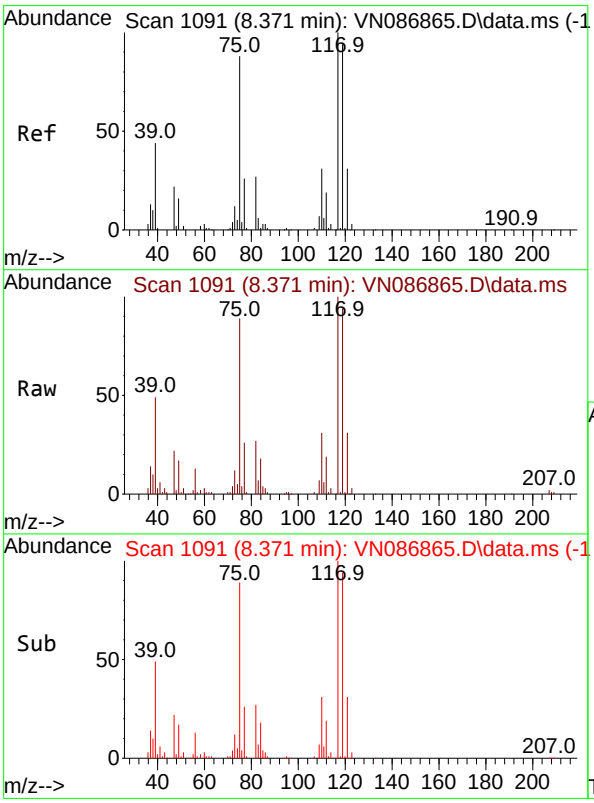
#37
Ethyl Acetate
Concen: 47.720 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 203091

Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	12.2	9.8	14.6

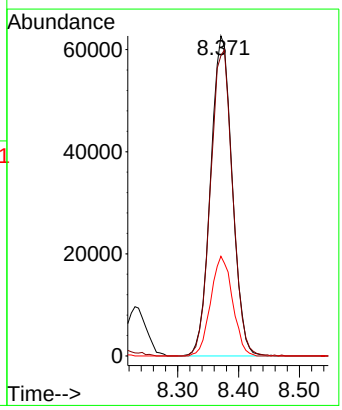


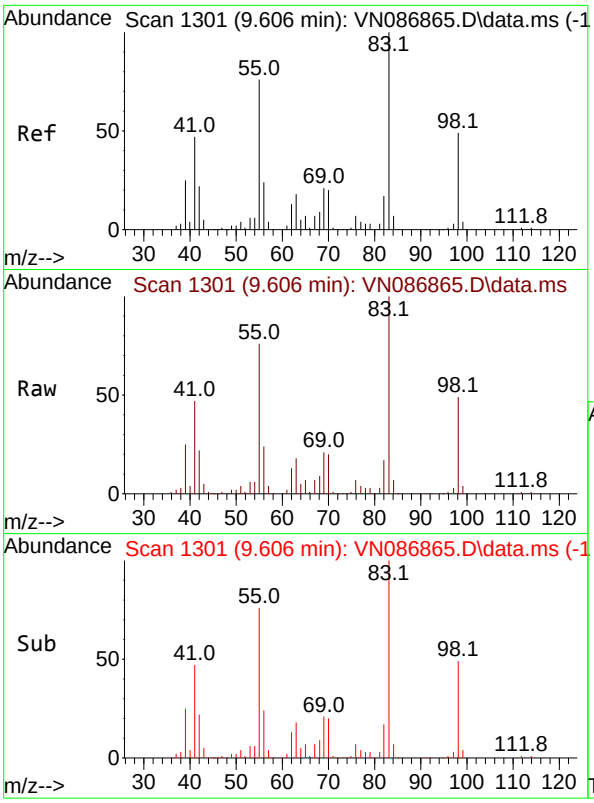


#38
Carbon Tetrachloride
Concen: 47.126 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 154677

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.1	24.9	37.3



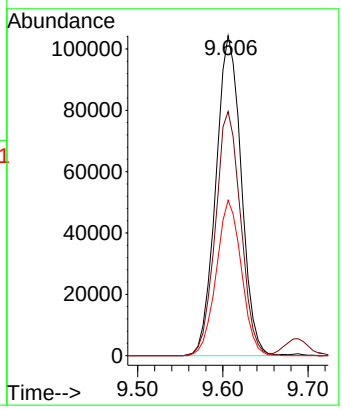


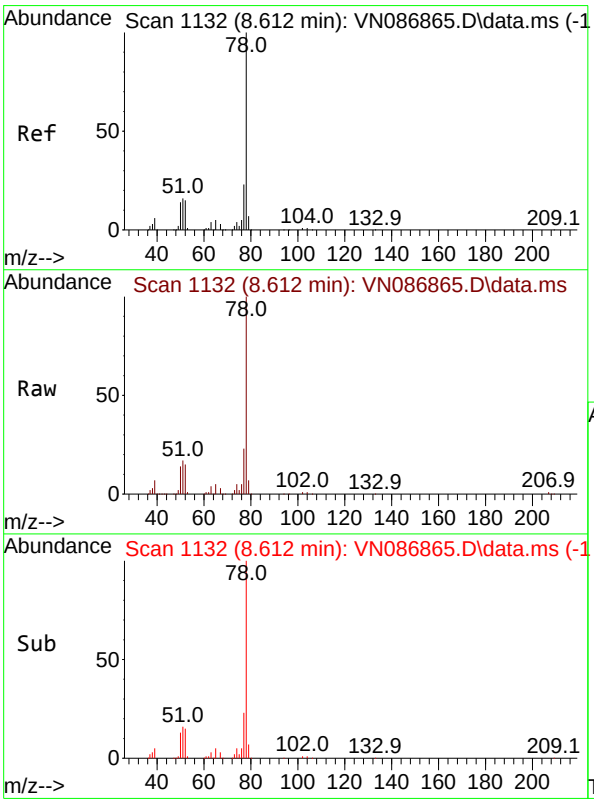
#39
Methylcyclohexane
Concen: 47.126 ug/l
RT: 9.606 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 215849

Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	48.6	38.9	58.3

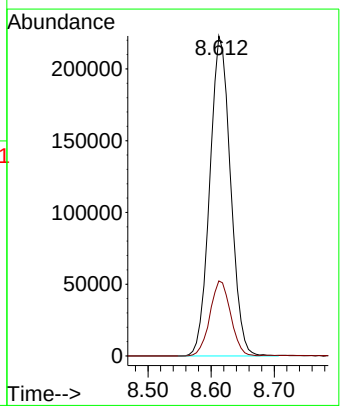


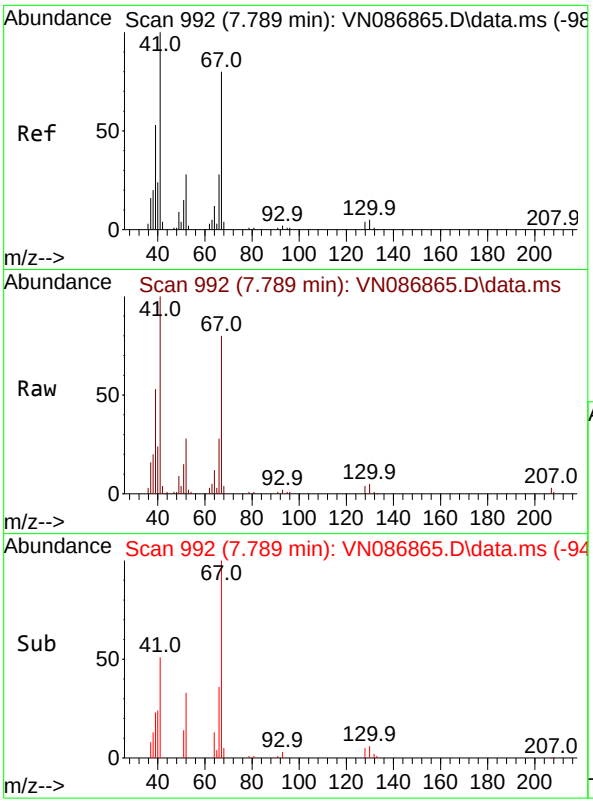


#40
Benzene
Concen: 46.590 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 78 Resp: 509334

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



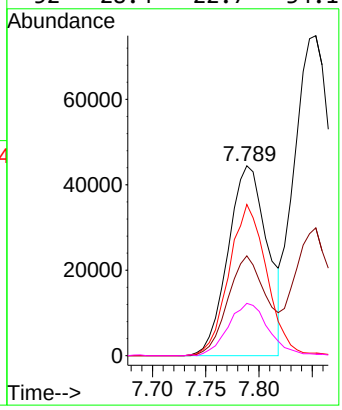


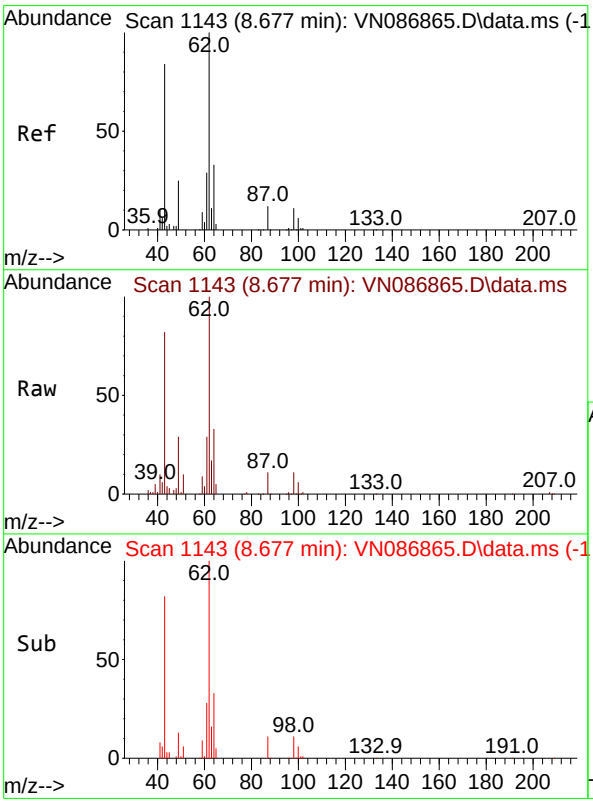
#41
Methacrylonitrile
Concen: 48.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 114727

Ion	Ratio	Lower	Upper
41	100		
39	51.5	41.2	61.8
67	76.8	61.4	92.2
52	28.4	22.7	34.1

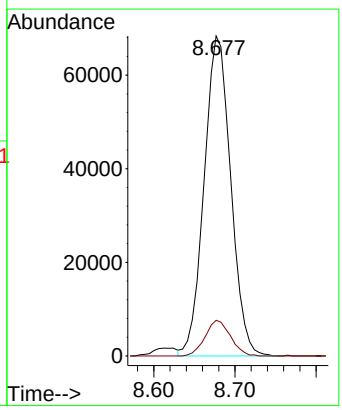


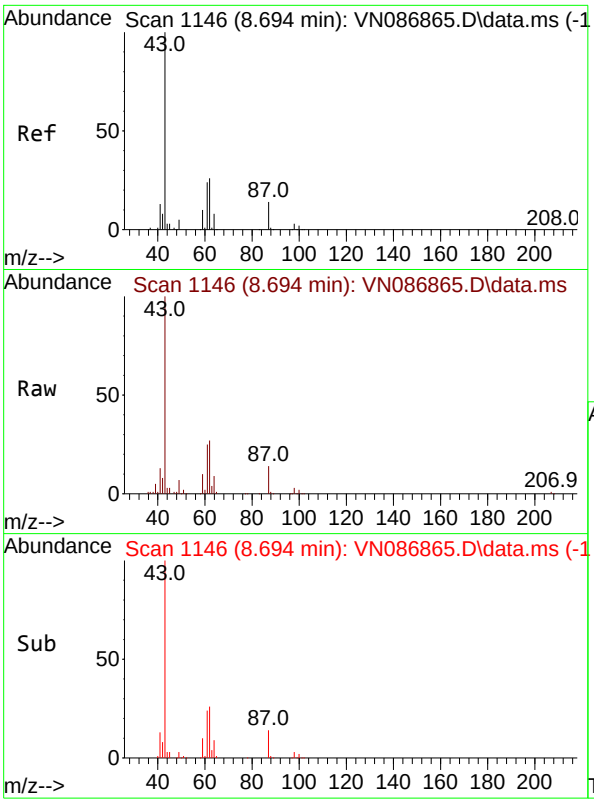


#42
1,2-Dichloroethane
Concen: 46.960 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 155713

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



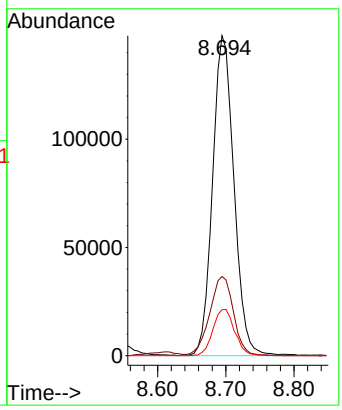


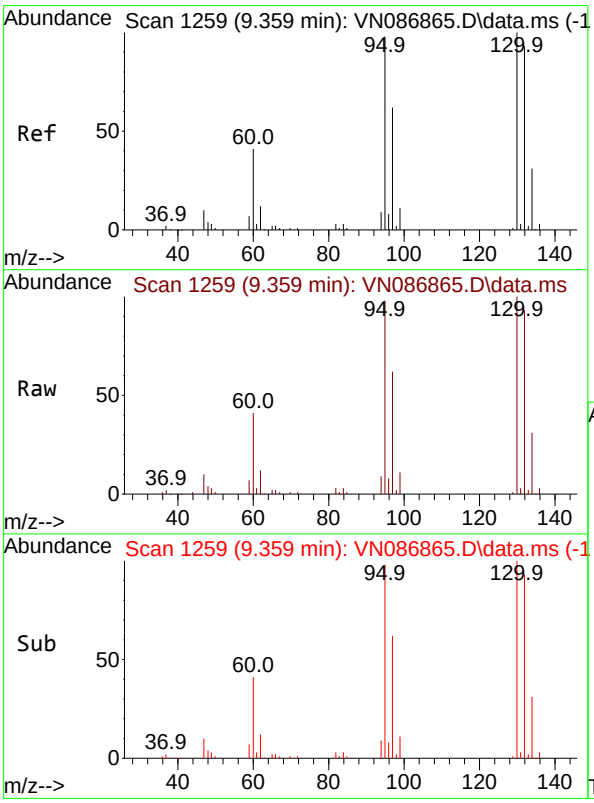
#43
Isopropyl Acetate
Concen: 47.248 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 322741

Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.1	33.1
87	14.7	11.8	17.6

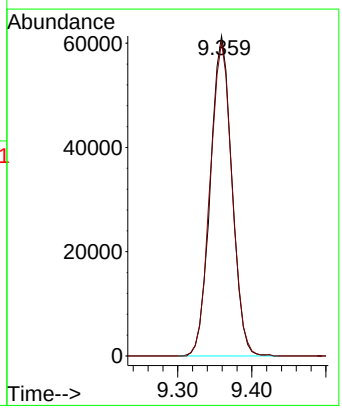


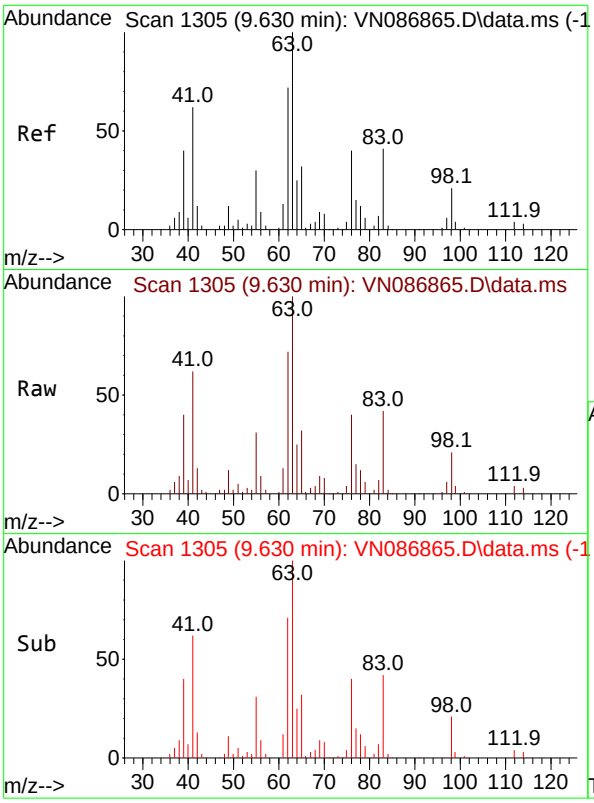


#44
Trichloroethene
Concen: 47.776 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:130 Resp: 123847

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2



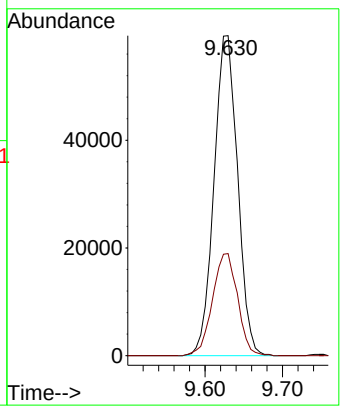


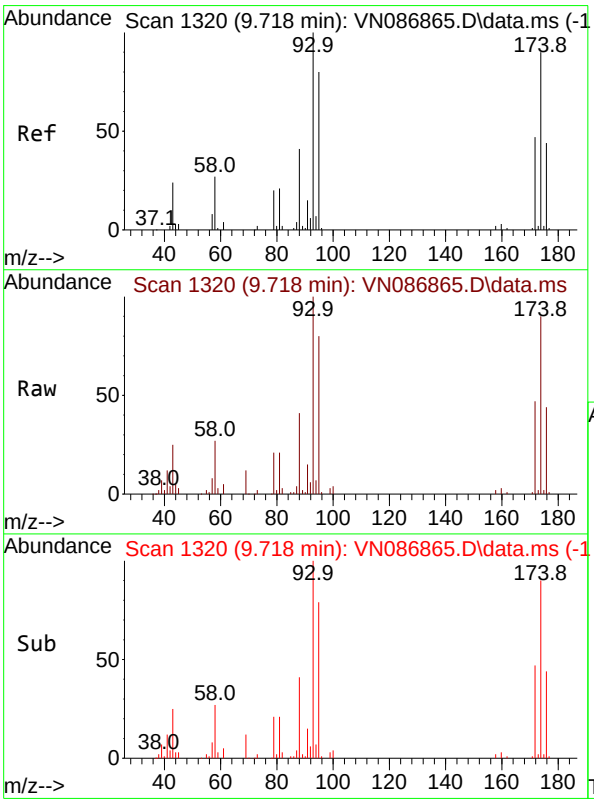
#45
1,2-Dichloropropane
Concen: 47.251 ug/l
RT: 9.630 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 125673

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

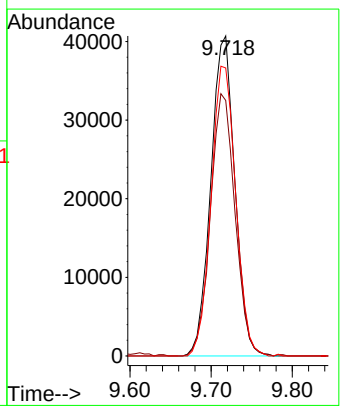


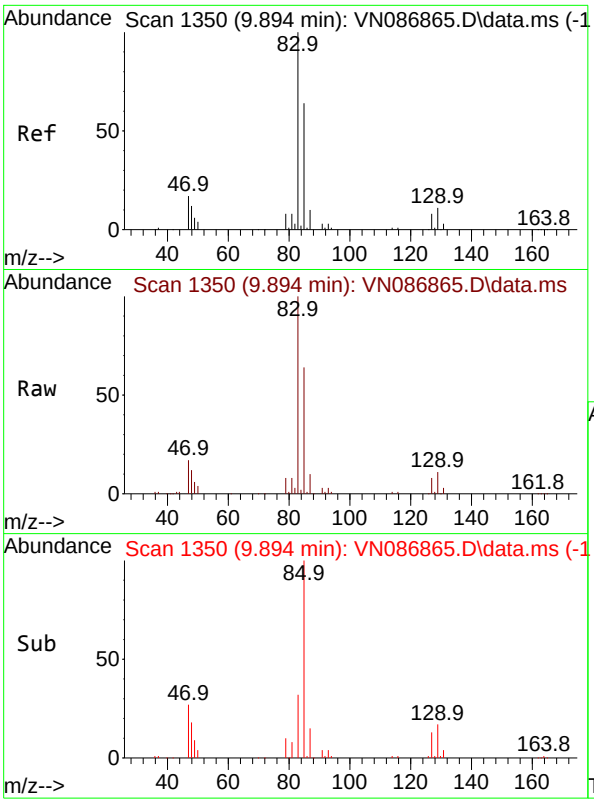


#46
Dibromomethane
Concen: 47.442 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 93 Resp: 83811

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	92.8	74.2	111.4



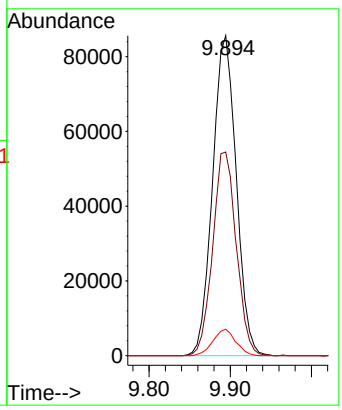


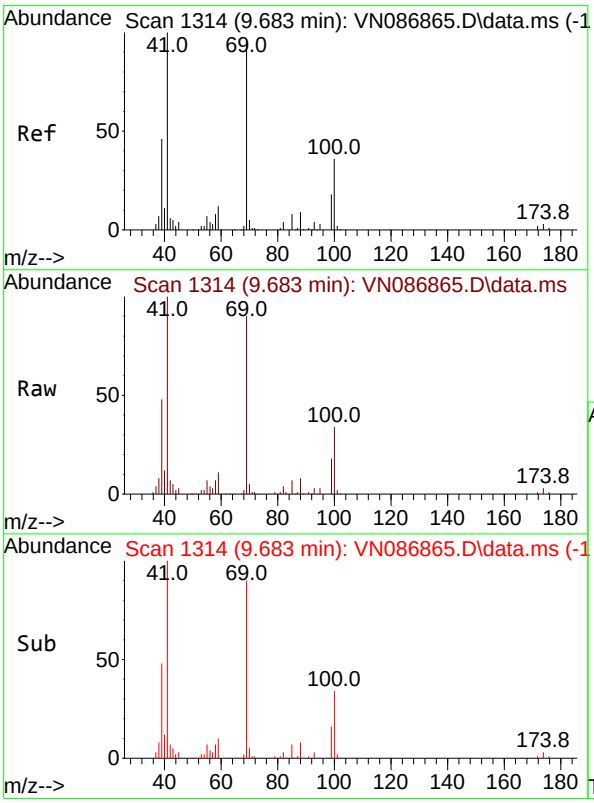
#47
Bromodichloromethane
Concen: 47.651 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173200

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.3	6.6	10.0

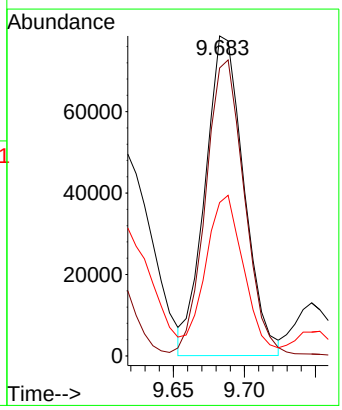


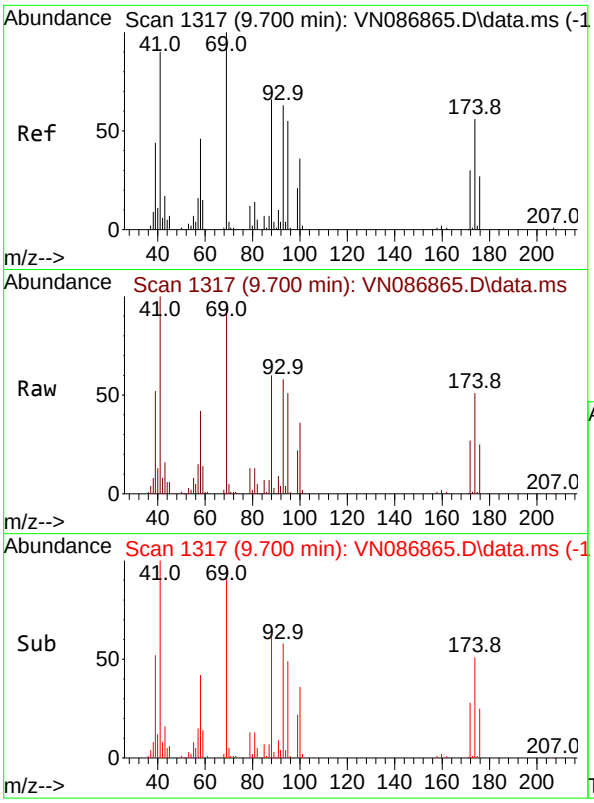


#48
Methyl methacrylate
Concen: 47.399 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 149019

Ion	Ratio	Lower	Upper
41	100		
69	93.3	74.6	112.0
39	50.3	40.2	60.4



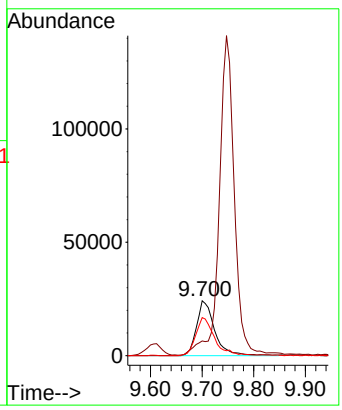


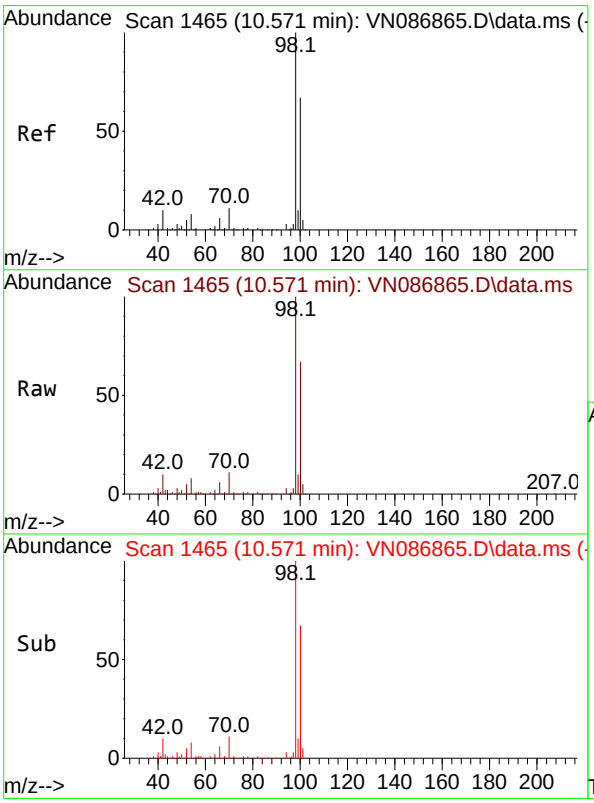
#49
1,4-Dioxane
Concen: 1032.607 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 59060

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.1	57.7	86.5

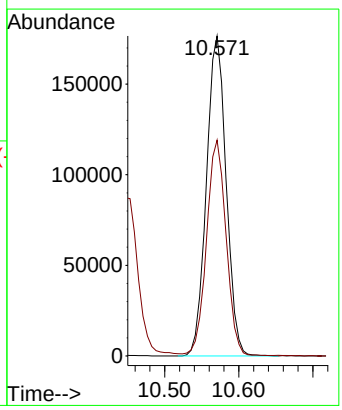


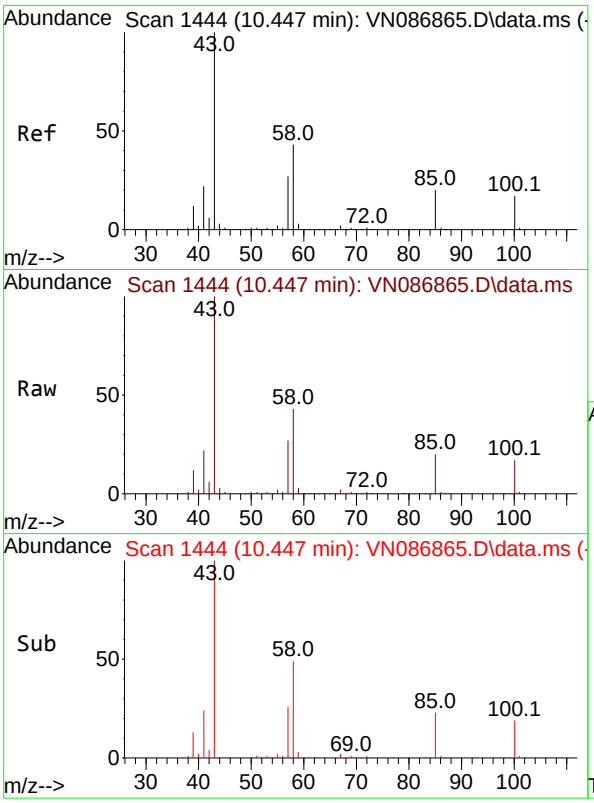


#50
Toluene-d8
Concen: 36.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 98 Resp: 326105

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0



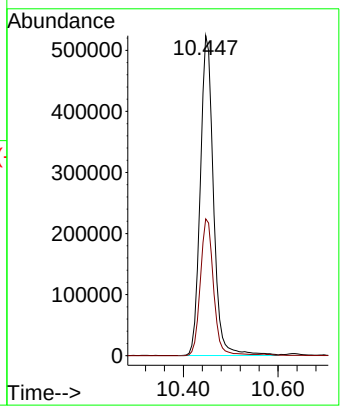


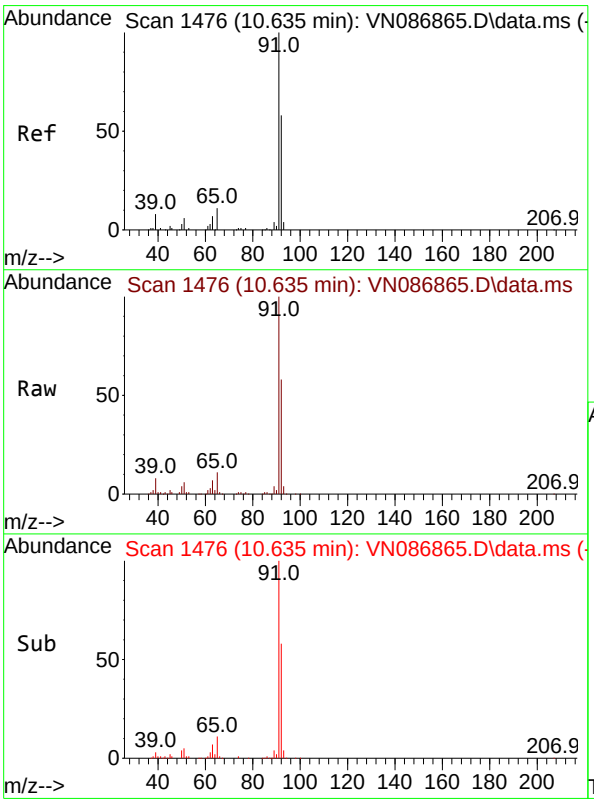
#51
4-Methyl-2-Pentanone
Concen: 247.484 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1017688

Ion	Ratio	Lower	Upper
43	100		
58	42.8	34.2	51.4

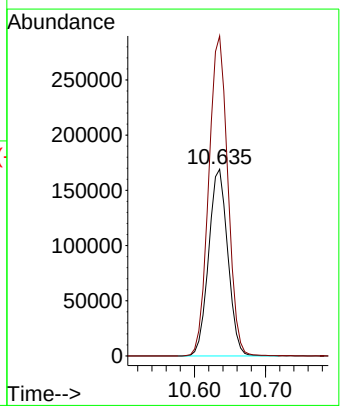


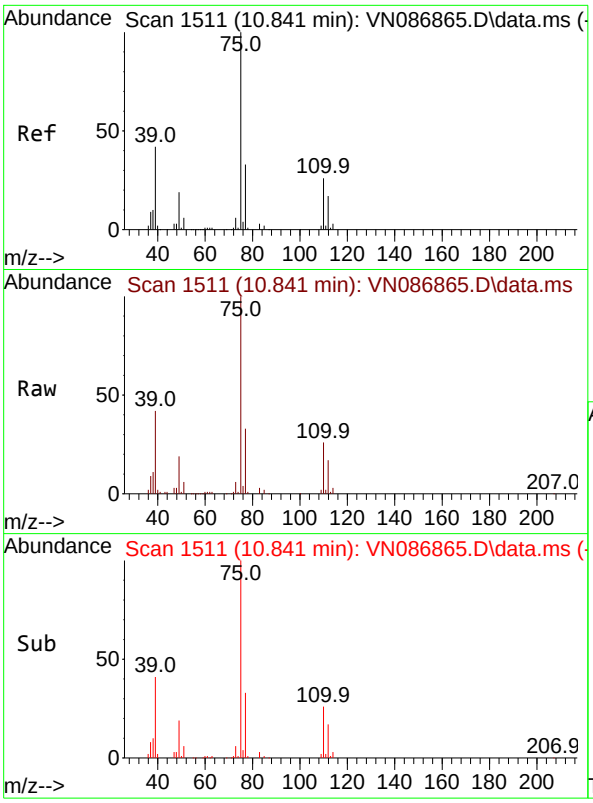


#52
Toluene
Concen: 47.331 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 92 Resp: 316219

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7



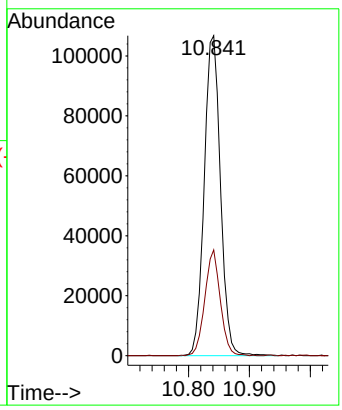


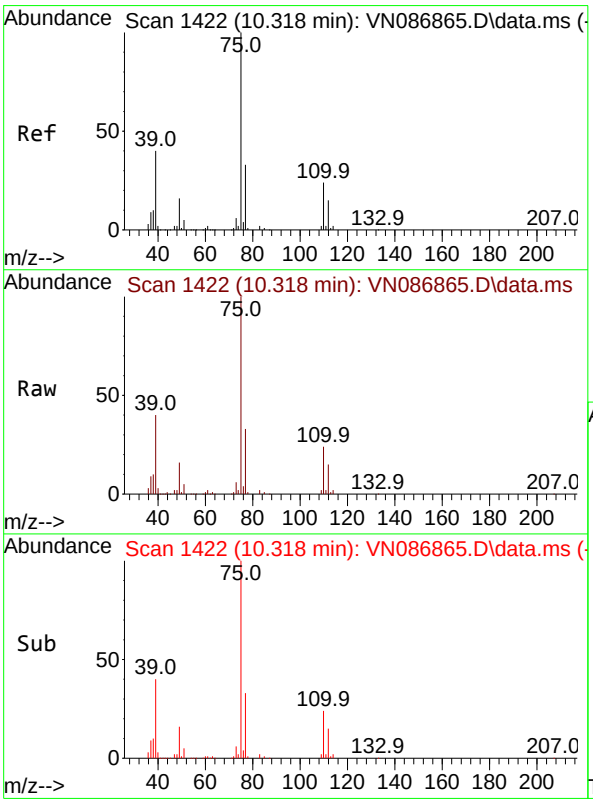
#53
t-1,3-Dichloropropene
Concen: 48.587 ug/l
RT: 10.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 197475

Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6

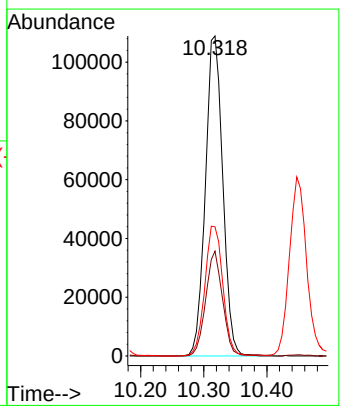


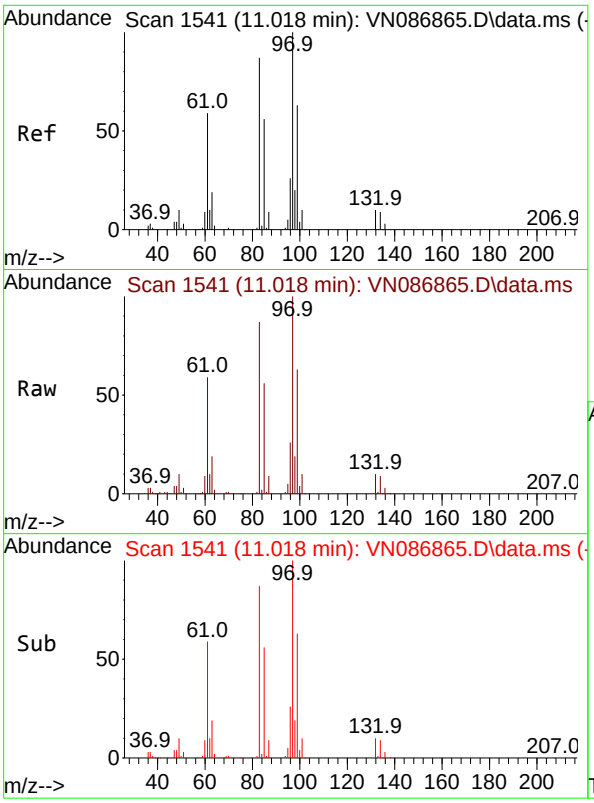


#54
cis-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 208523

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
39	40.4	32.3	48.5



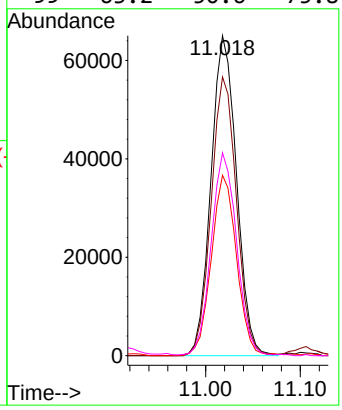


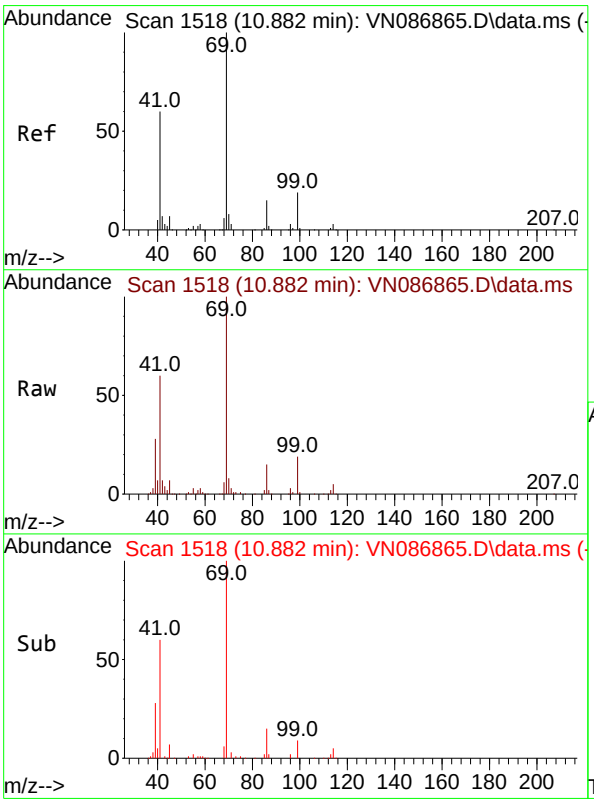
#55
1,1,2-Trichloroethane
Concen: 47.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 121969

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	56.4	45.1	67.7
99	63.2	50.6	75.8

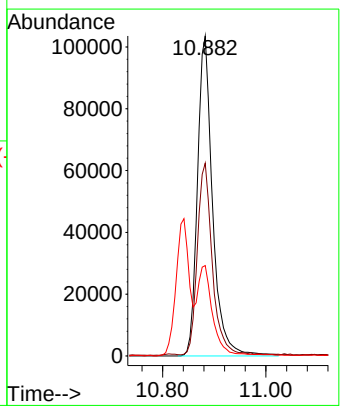


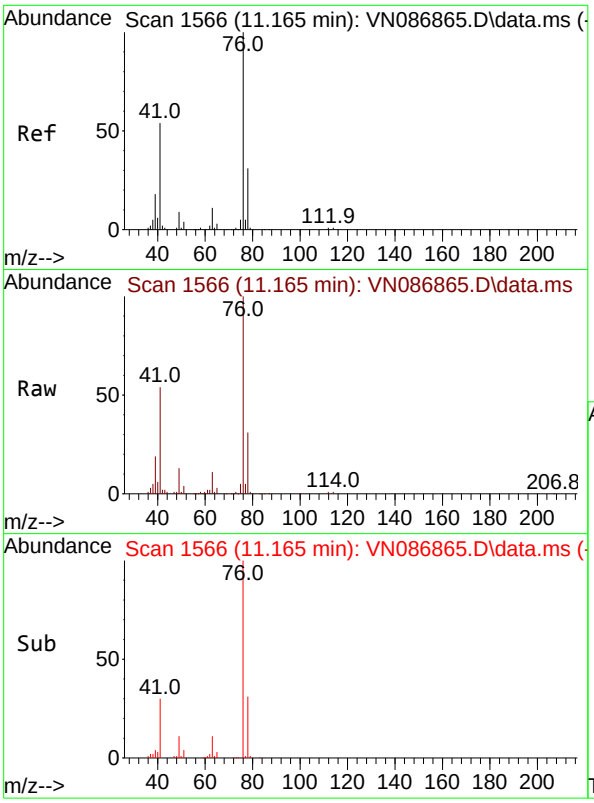


#56
Ethyl methacrylate
Concen: 51.401 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 69 Resp: 210467

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	28.8	23.0	34.6



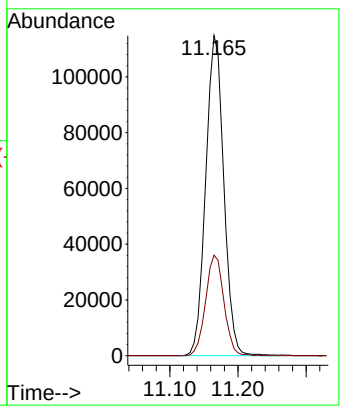


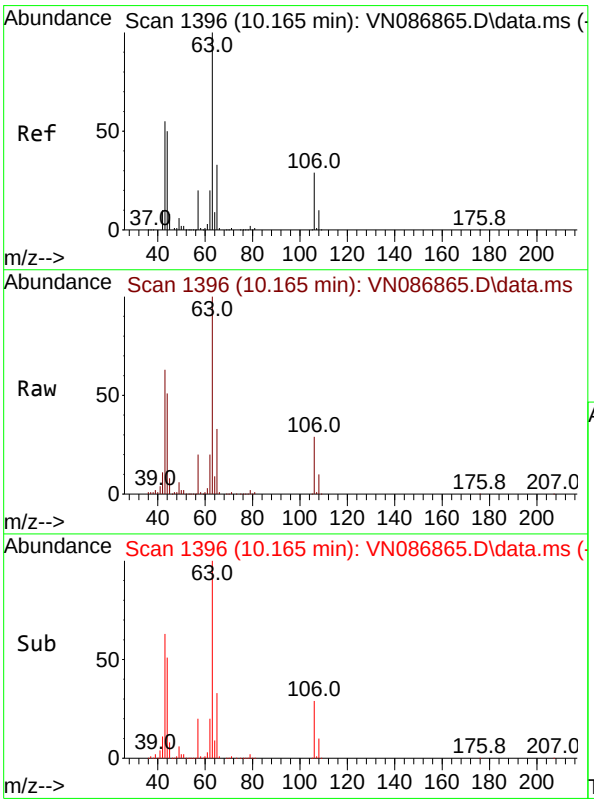
#57
1,3-Dichloropropane
Concen: 47.593 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 212243

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

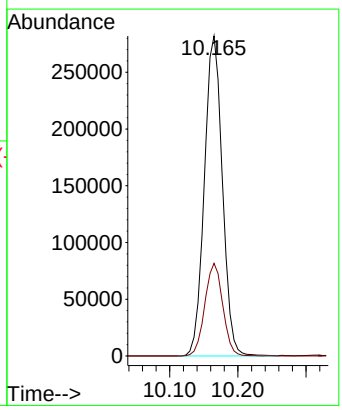


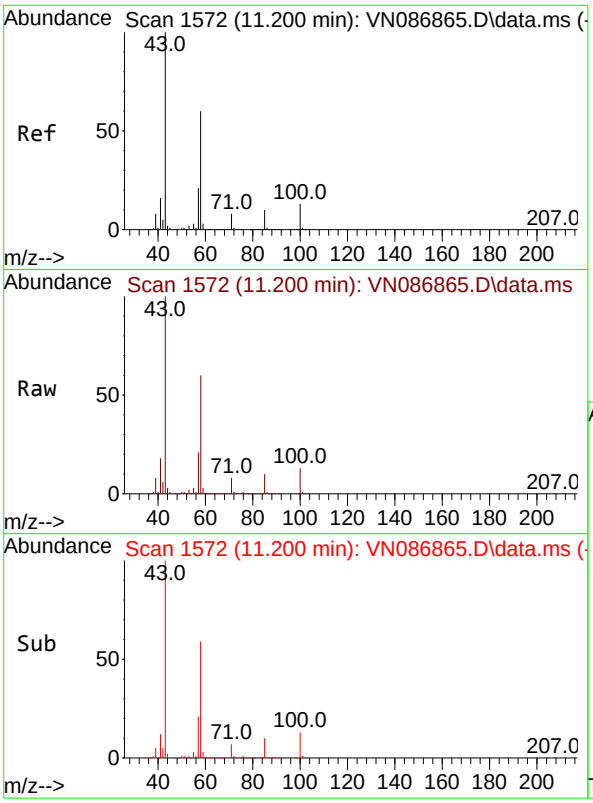


#58
2-Chloroethyl Vinyl ether
Concen: 212.570 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 519139

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



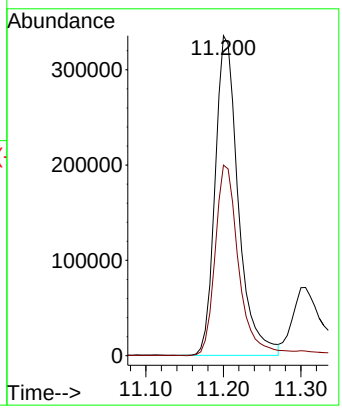


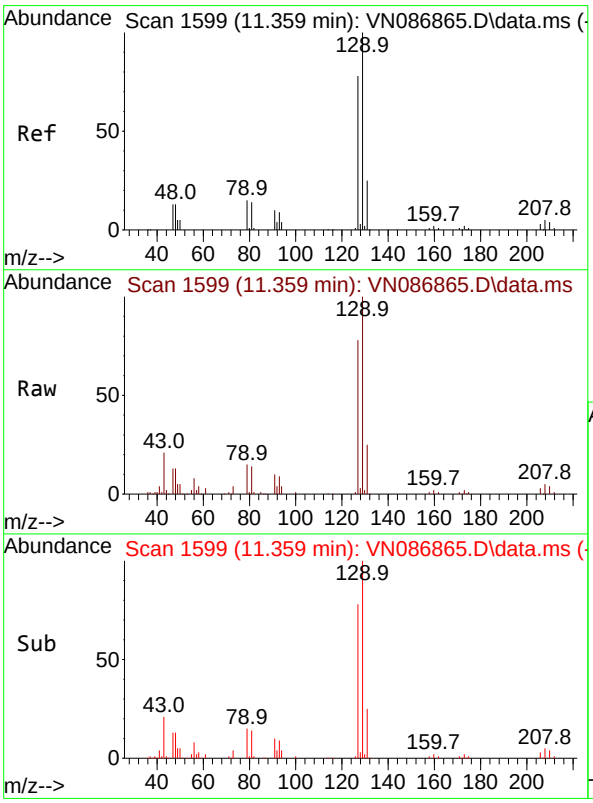
#59
2-Hexanone
Concen: 262.977 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 696567

Ion	Ratio	Lower	Upper
43	100		
58	60.9	30.4	91.3

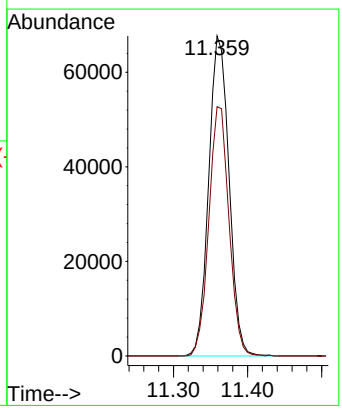


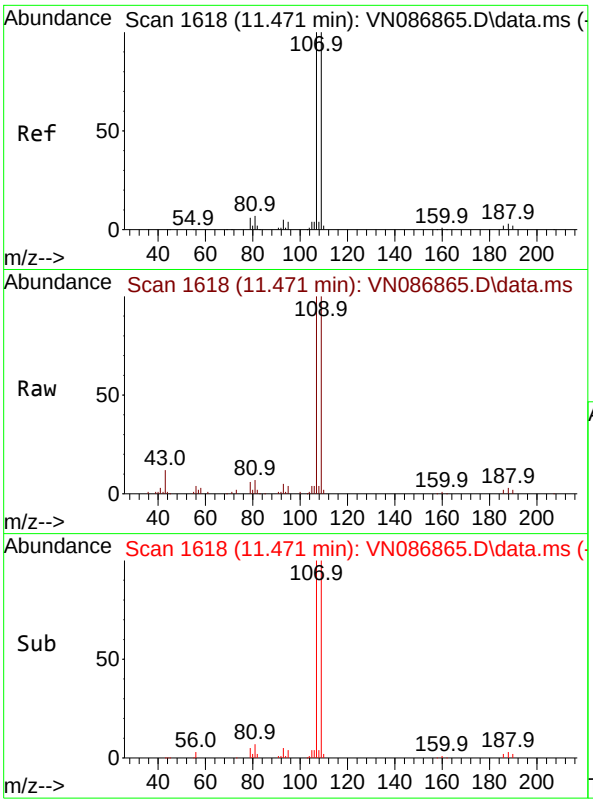


#60
Dibromochloromethane
Concen: 48.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:129 Resp: 128715

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8



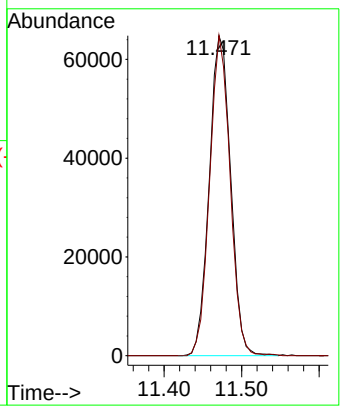


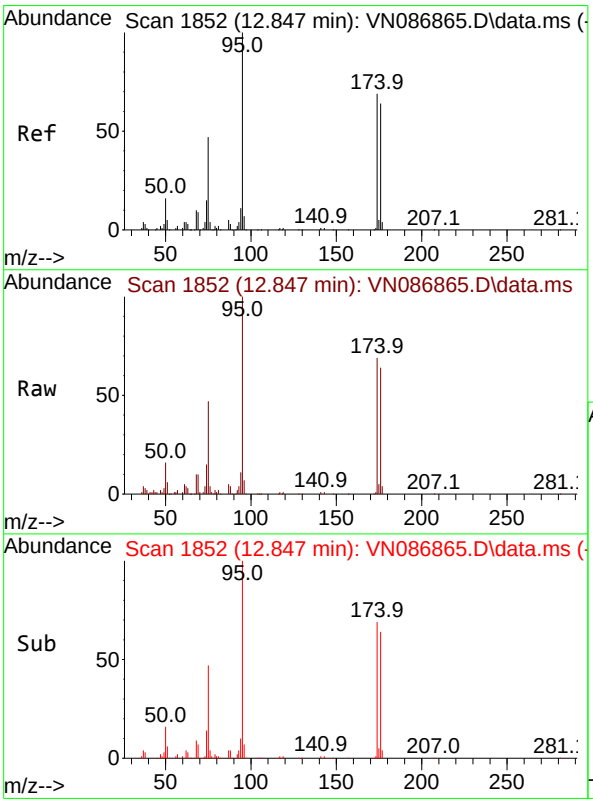
#61
1,2-Dibromoethane
Concen: 47.258 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 124522

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.3	114.5

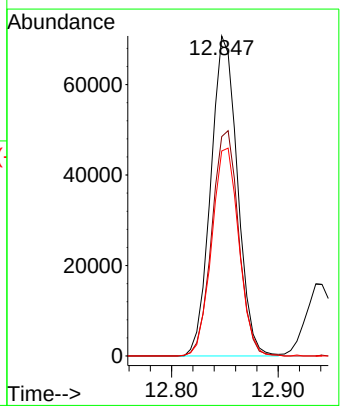


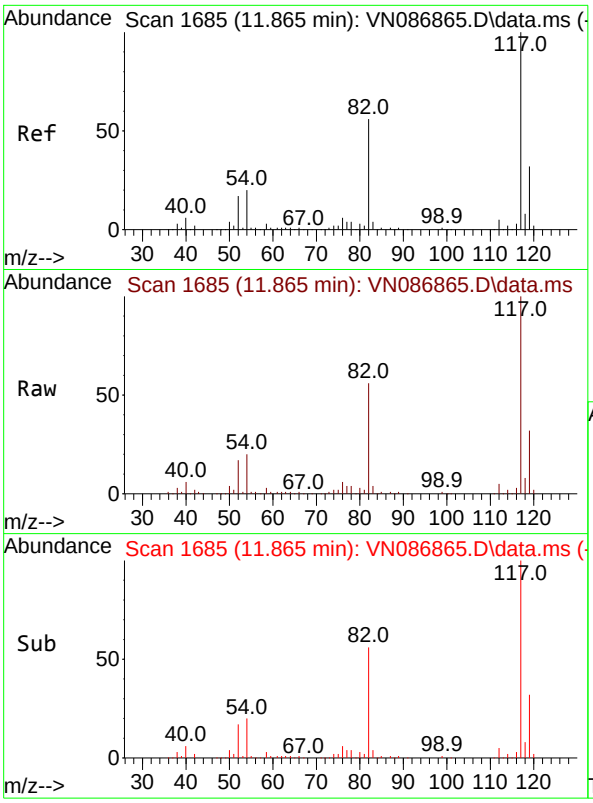


#62
4-Bromofluorobenzene
Concen: 37.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 95 Resp: 122965

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.8
176	66.3	0.0	132.6



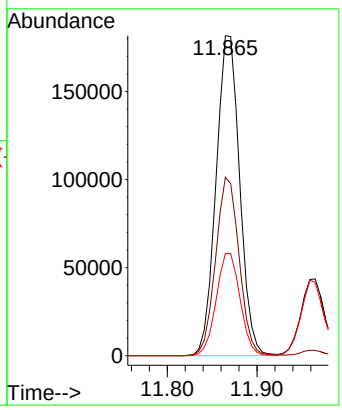


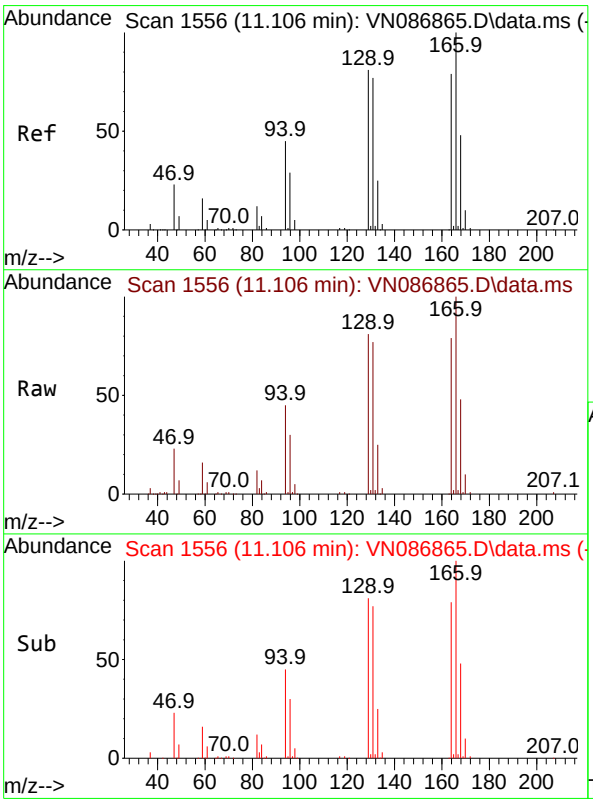
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 332766

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.9	25.5	38.3

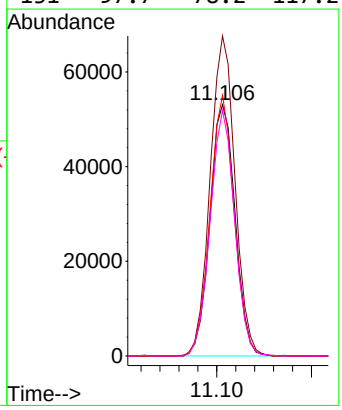


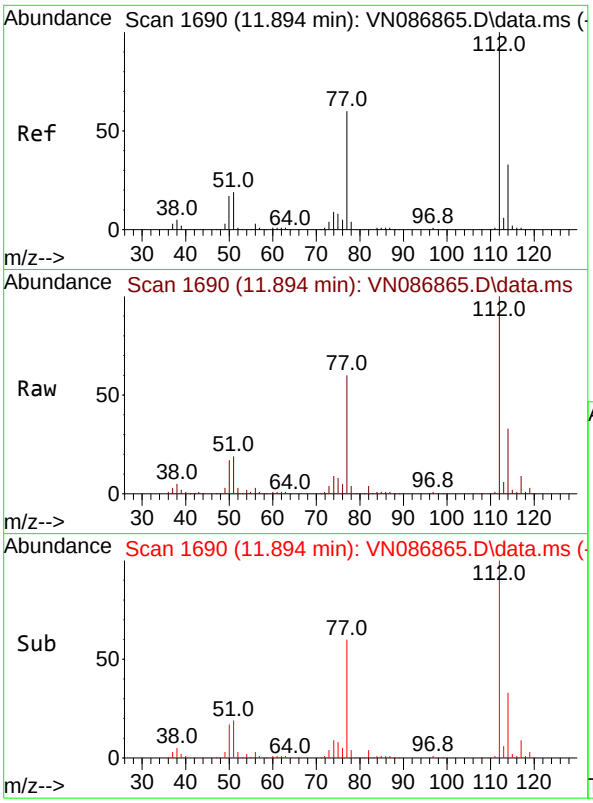


#64
Tetrachloroethene
Concen: 46.382 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:164 Resp: 97679

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	103.7	83.0	124.4
131	97.7	78.2	117.2



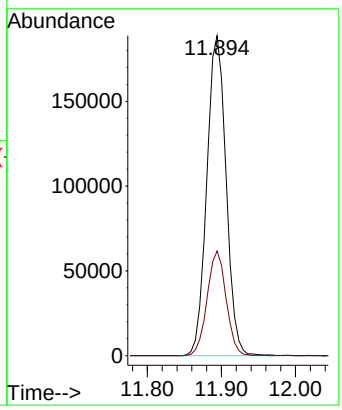


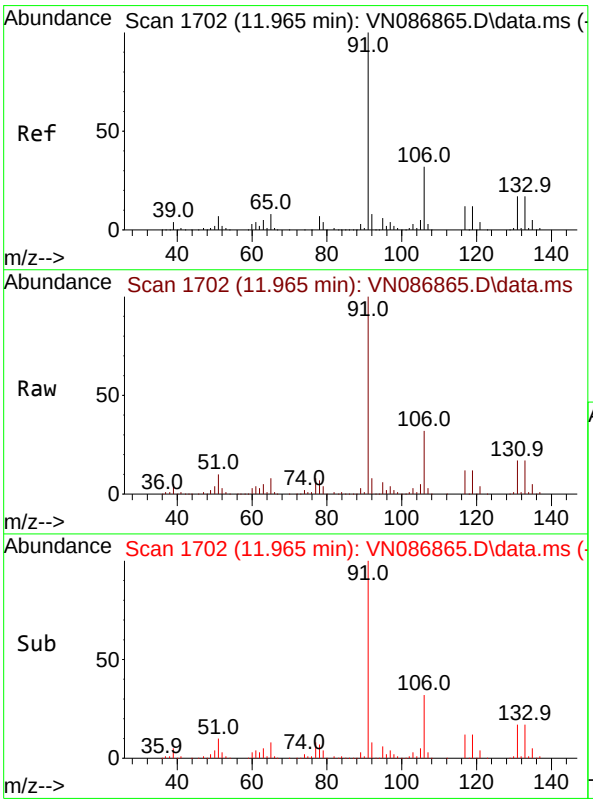
#65
Chlorobenzene
Concen: 46.386 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 340439

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

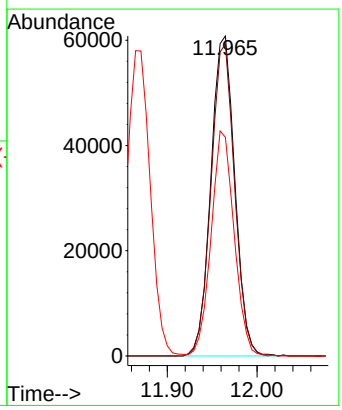


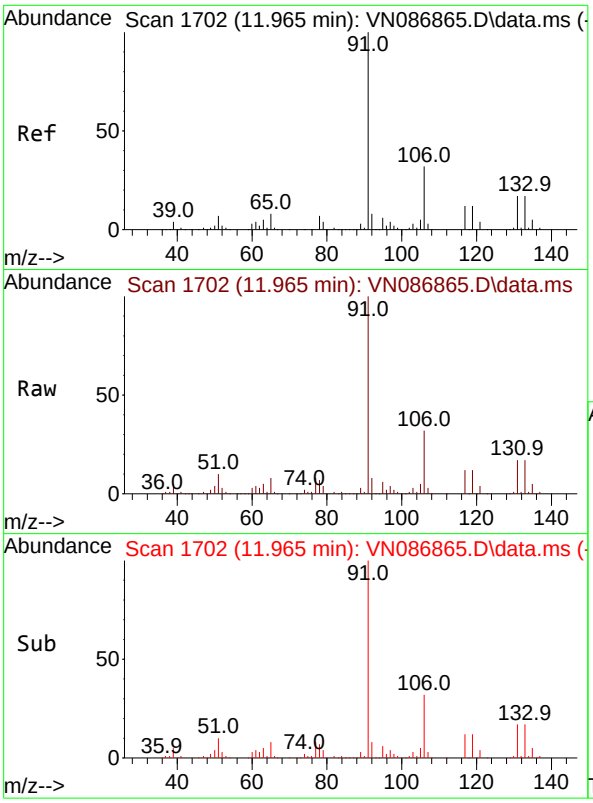


#66
1,1,1,2-Tetrachloroethane
Concen: 47.615 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:131 Resp: 112333

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	67.9	34.0	101.8



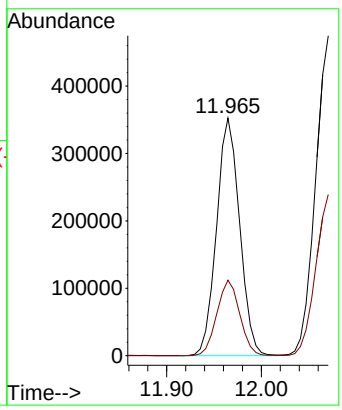


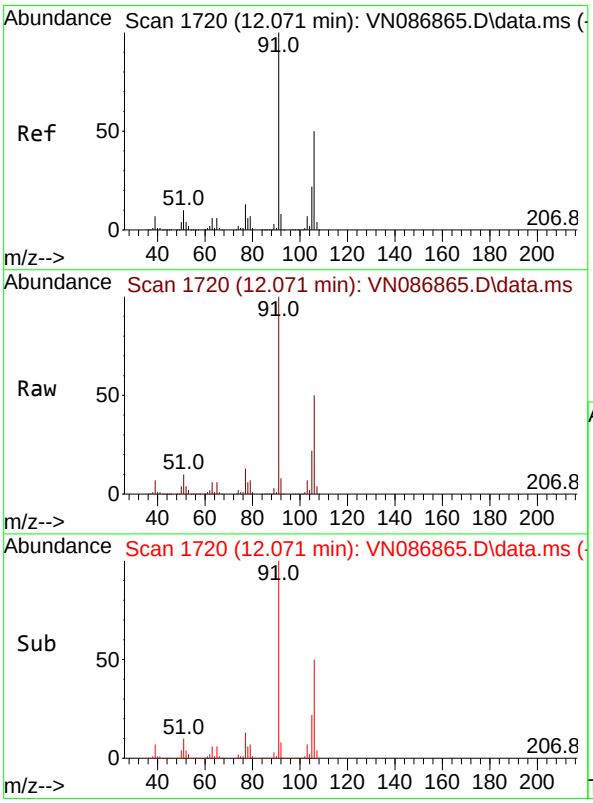
#67
Ethyl Benzene
Concen: 47.271 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 597593

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

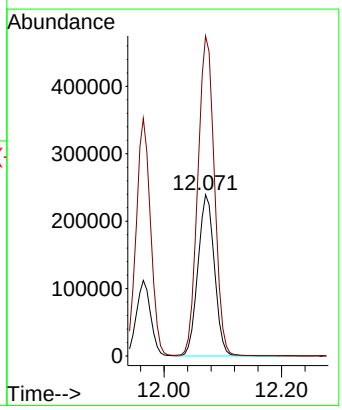


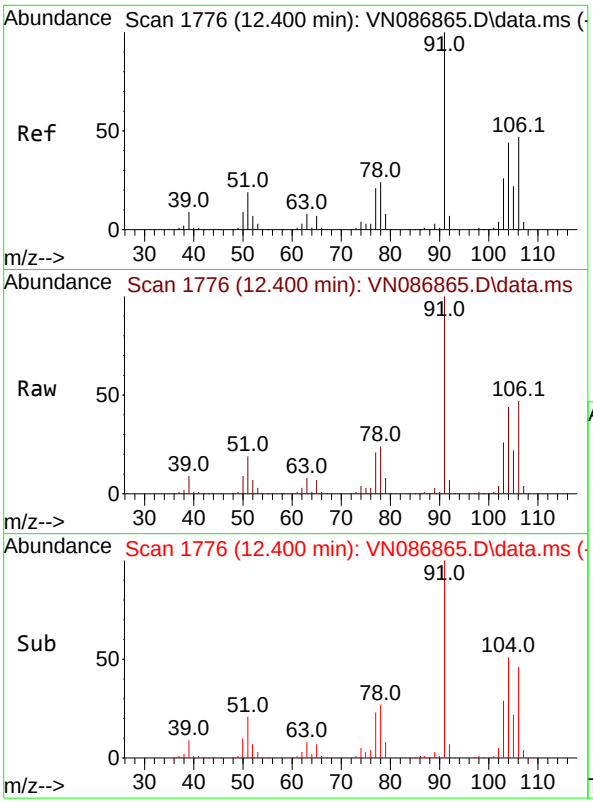


#68
m/p-Xylenes
Concen: 96.424 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 466620

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



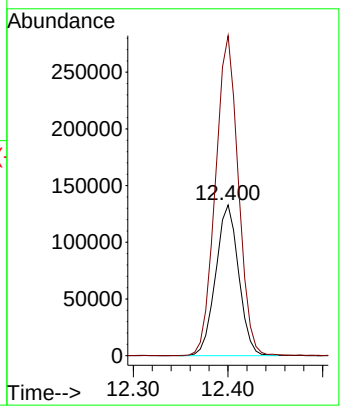


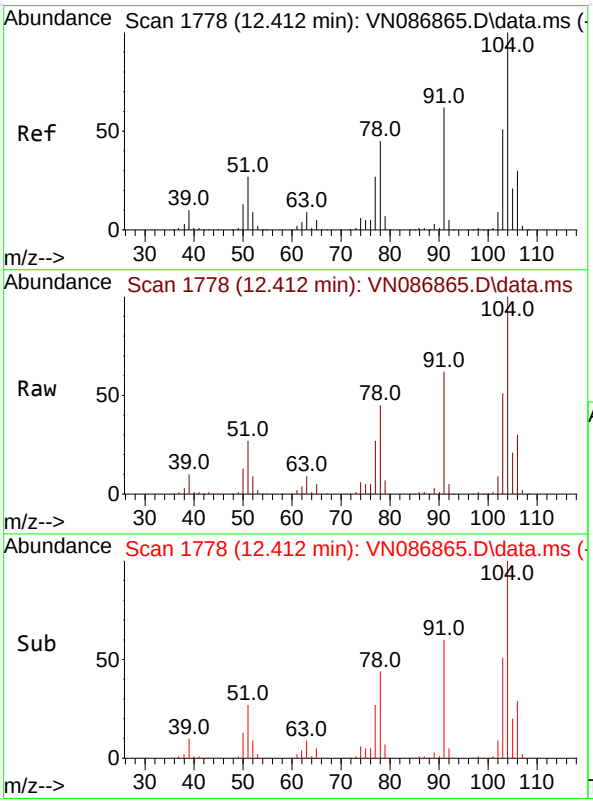
#69
o-Xylene
Concen: 48.395 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 224299

Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.1	318.1

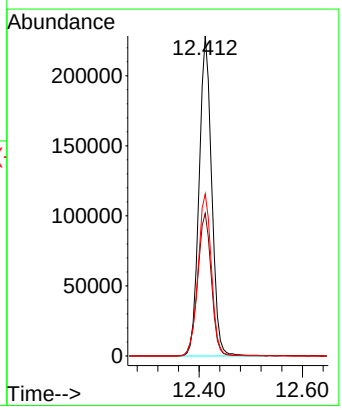


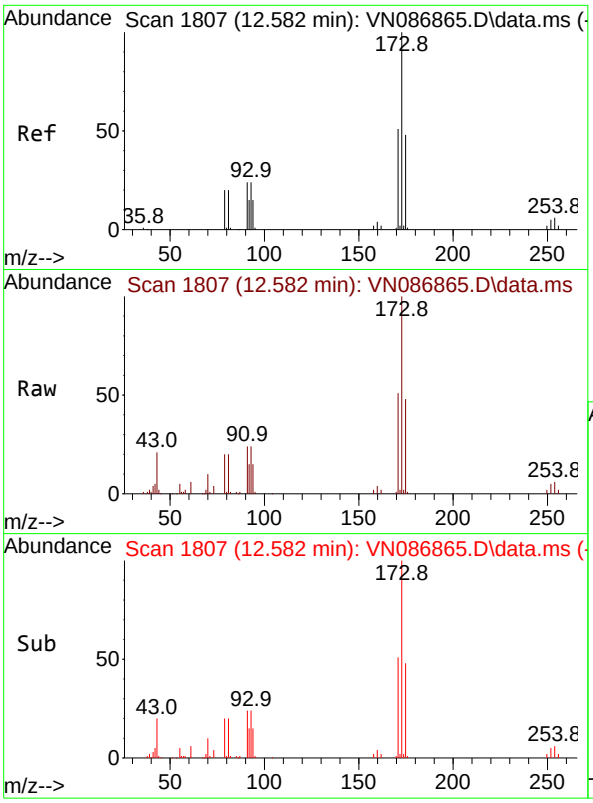


#70
Styrene
Concen: 48.745 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:104 Resp: 386596

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	53.9	43.1	64.7



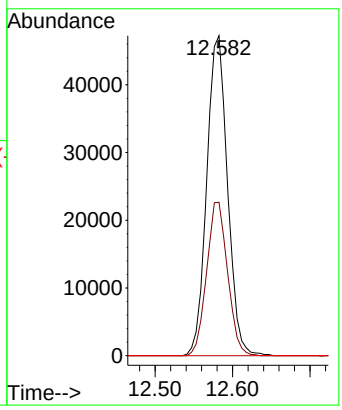


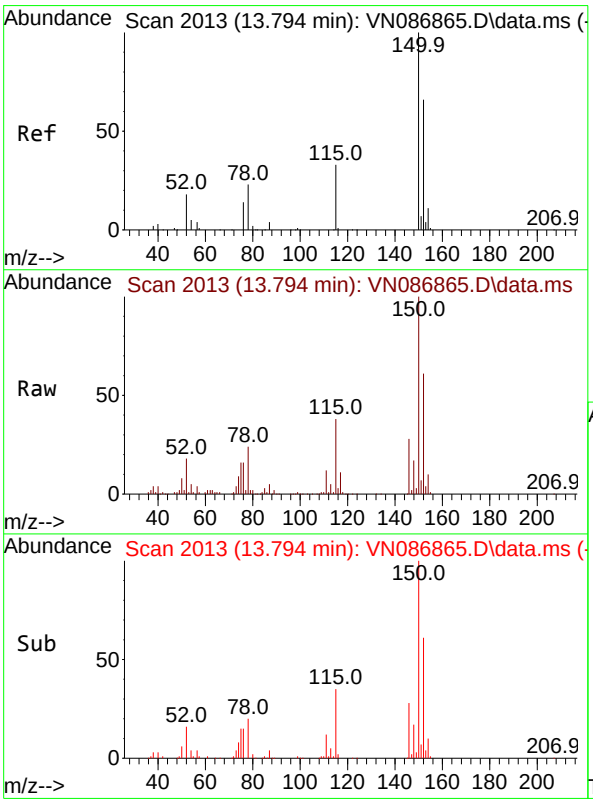
#71
Bromoform
Concen: 50.415 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 88127

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

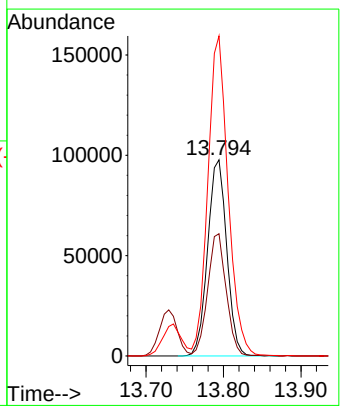


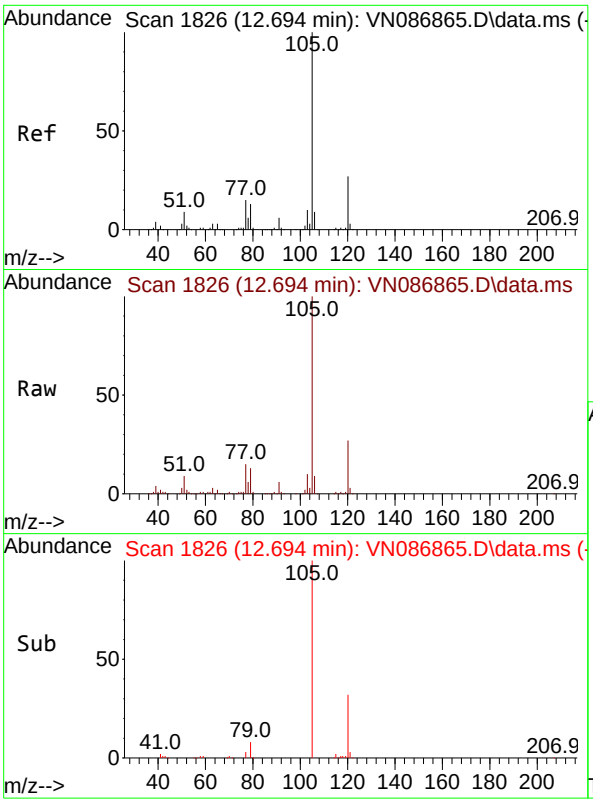


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:152 Resp: 167532

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	172.5	0.0	345.0



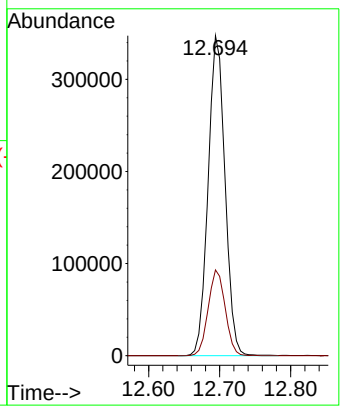


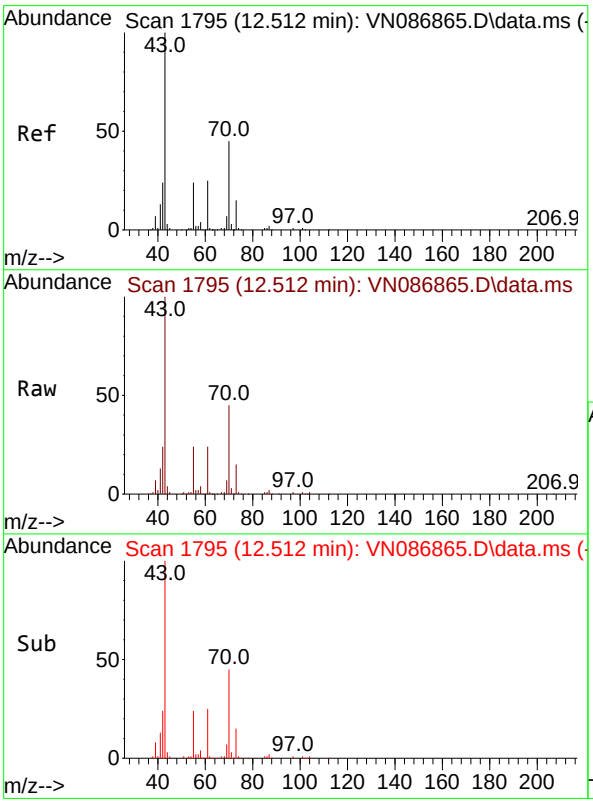
#73
Isopropylbenzene
Concen: 47.023 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 573905

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

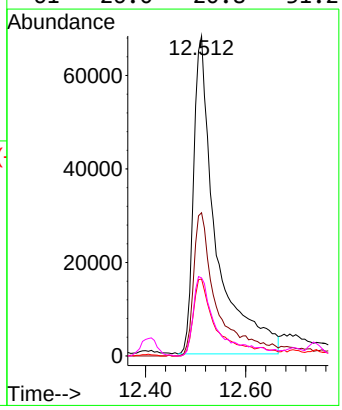


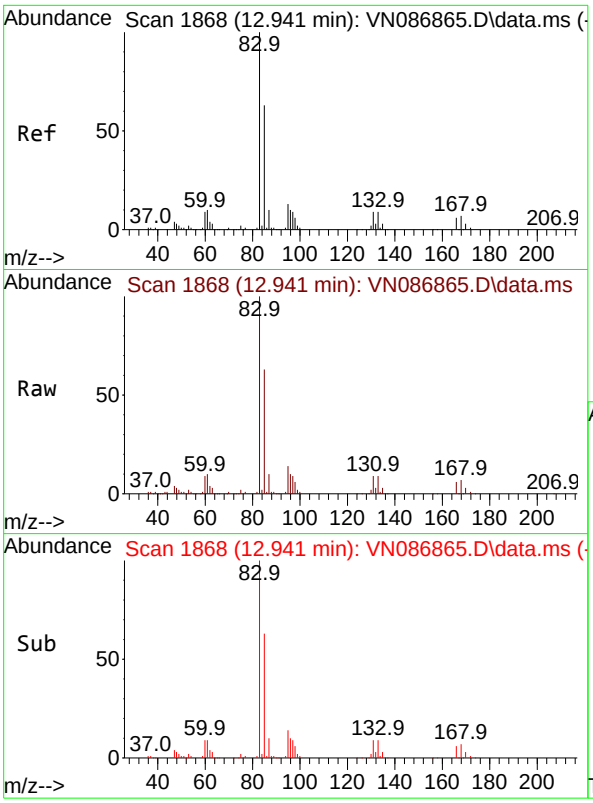


#74
N-amyl acetate
Concen: 52.353 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 212064

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.6	56.4
55	23.8	19.0	28.6
61	26.0	20.8	31.2



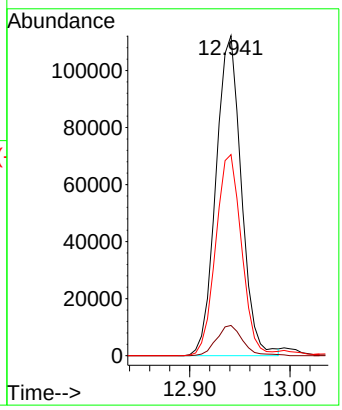


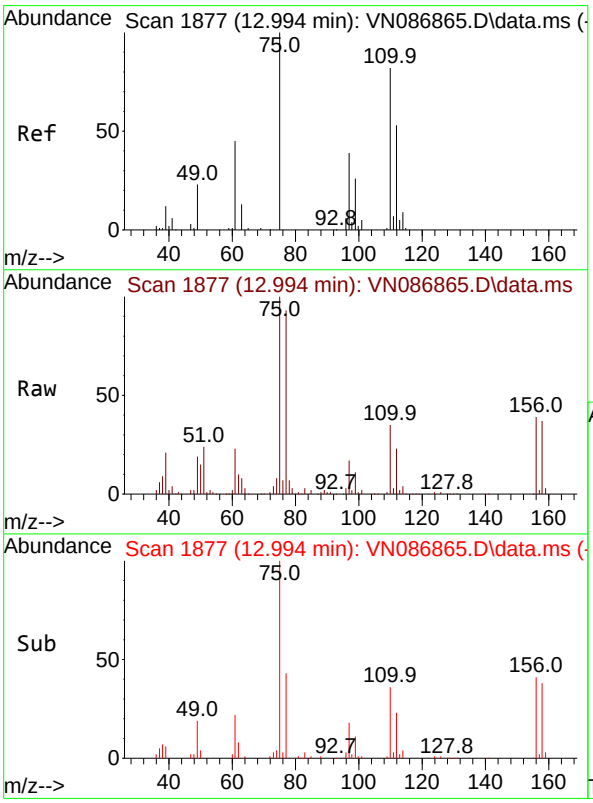
#75
1,1,2,2-Tetrachloroethane
Concen: 47.732 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 197360

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

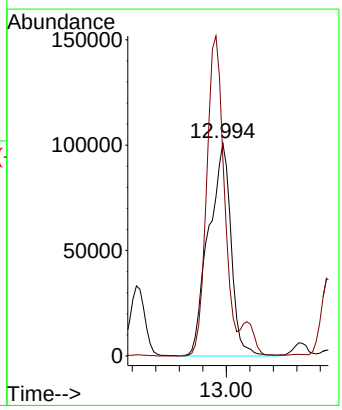


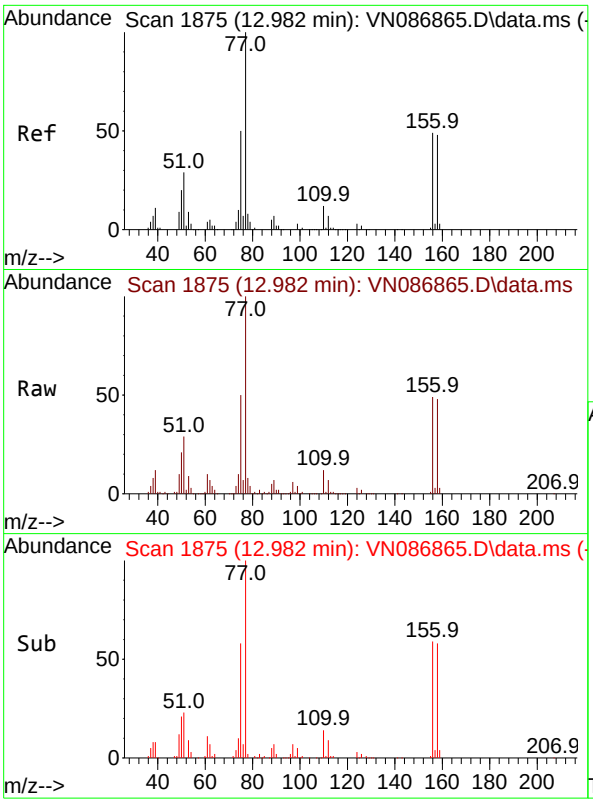


#76
1,2,3-Trichloropropane
Concen: 66.959 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 267483

Ion	Ratio	Lower	Upper
75	100		
77	116.5	79.3	237.9



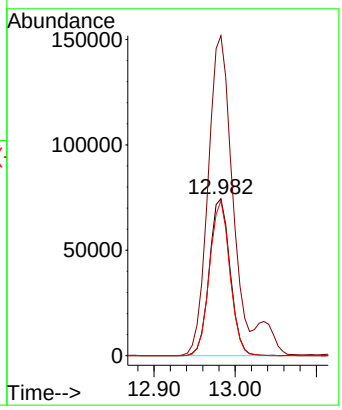


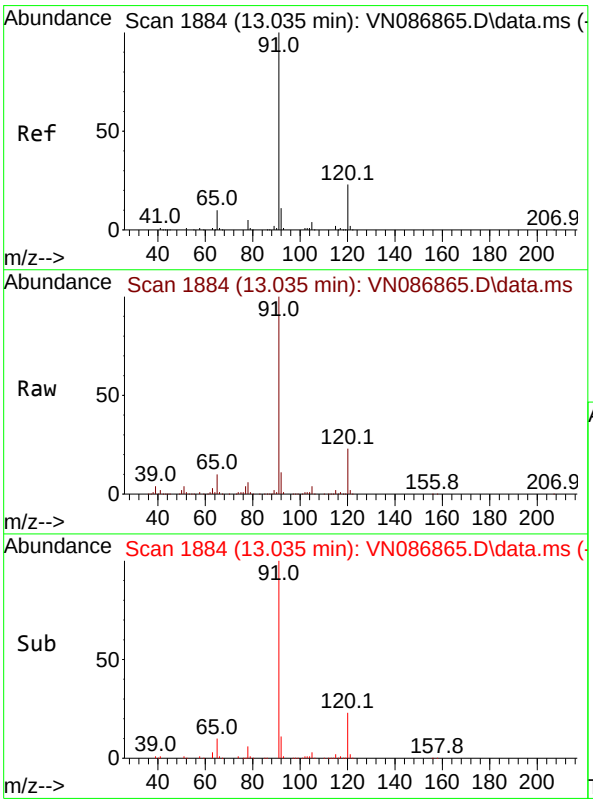
#77
Bromobenzene
Concen: 47.296 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 132381

Ion	Ratio	Lower	Upper
156	100		
77	235.4	117.7	353.1
158	96.3	48.1	144.4

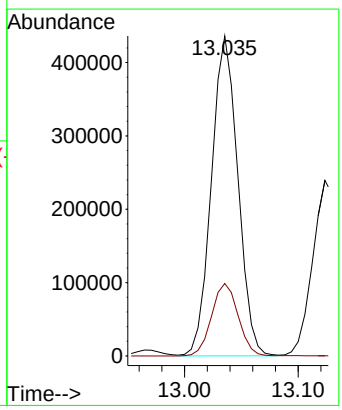


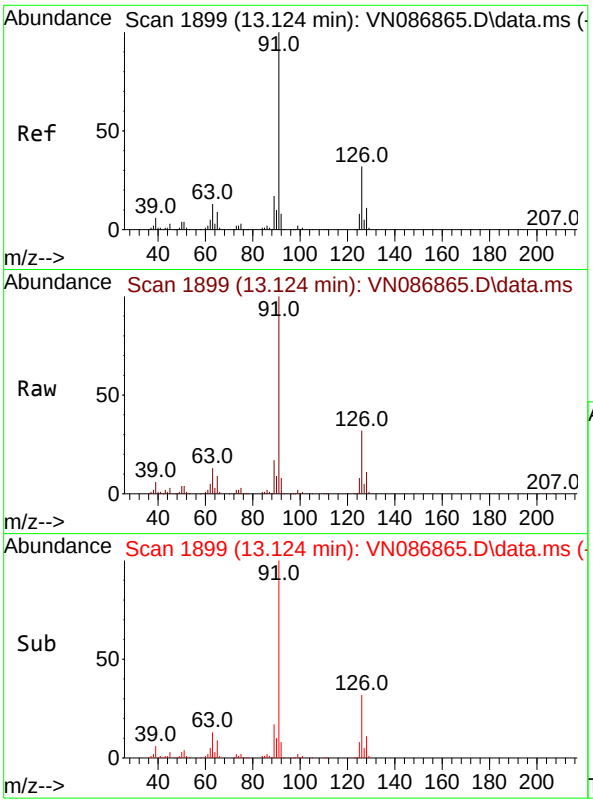


#78
n-propylbenzene
Concen: 47.567 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 705524

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.2



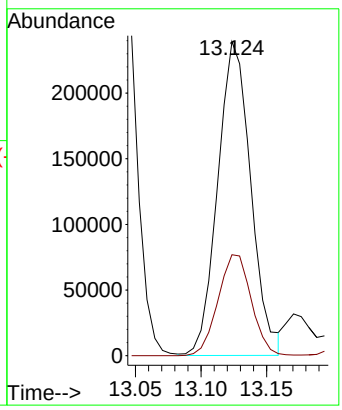


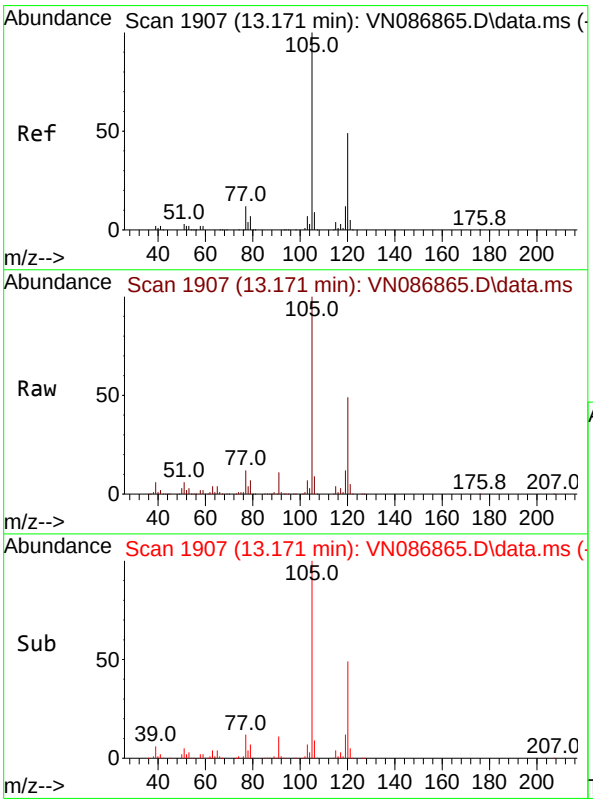
#79
2-Chlorotoluene
Concen: 47.216 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 419986

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

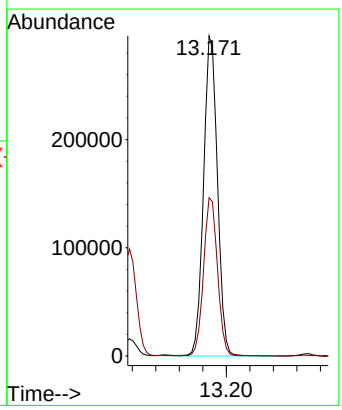


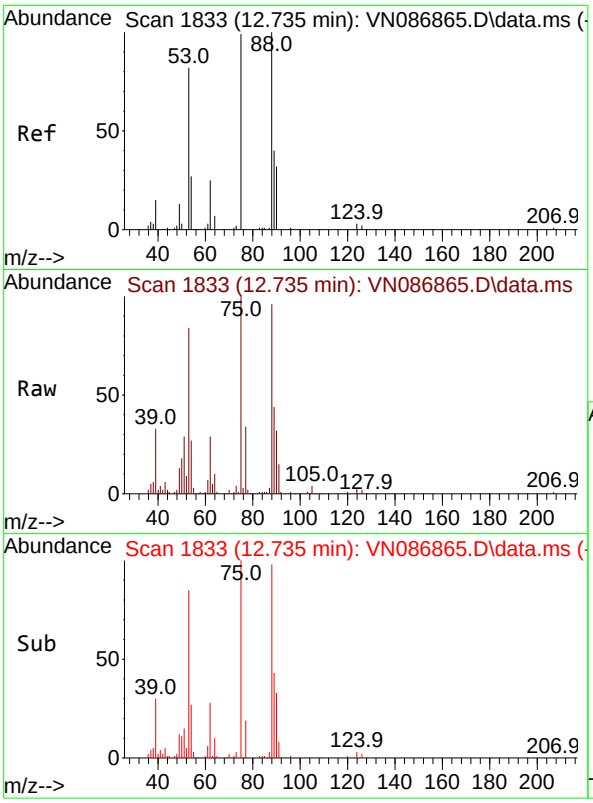


#80
1,3,5-Trimethylbenzene
Concen: 48.181 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 485499

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6



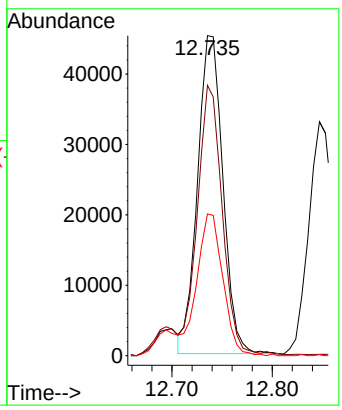


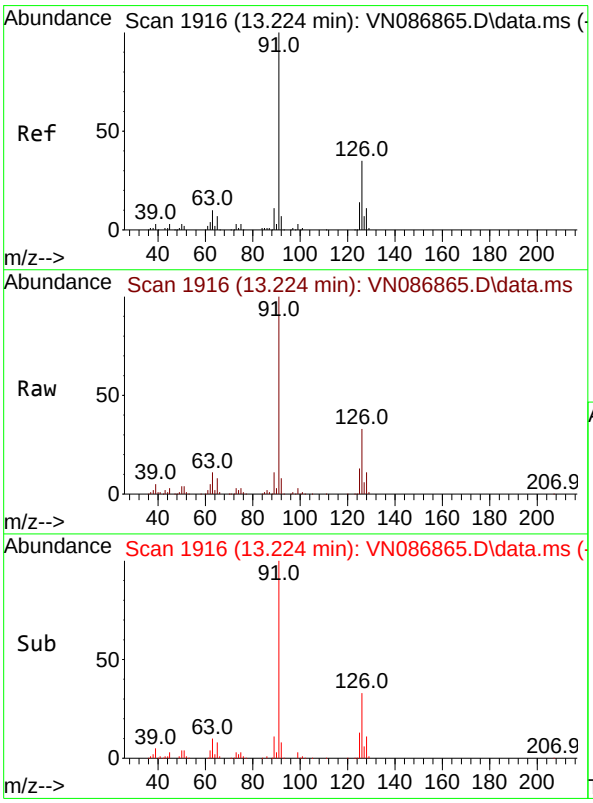
#81
trans-1,4-Dichloro-2-butene
Concen: 46.089 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 79732

Ion	Ratio	Lower	Upper
75	100		
53	83.2	66.6	99.8
89	45.9	36.7	55.1

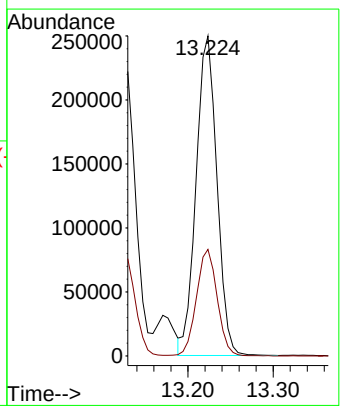


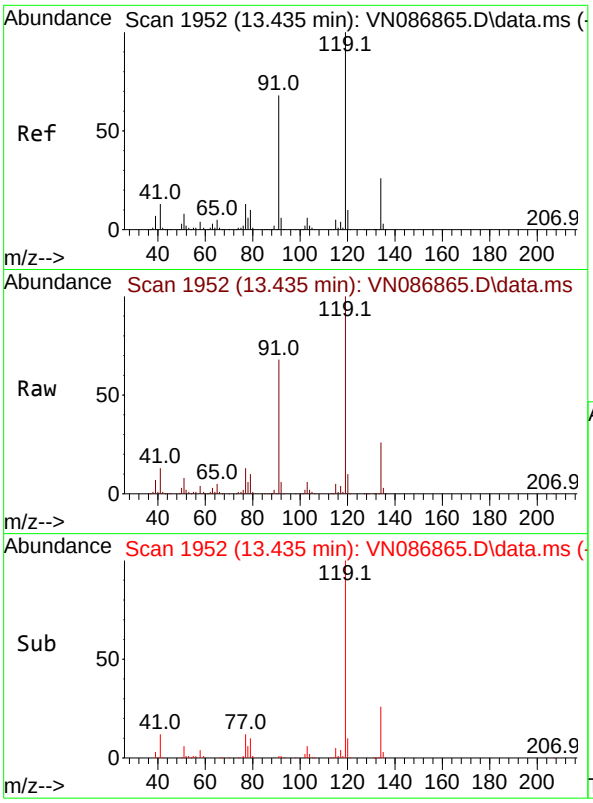


#82
4-Chlorotoluene
Concen: 47.117 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 424066

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1



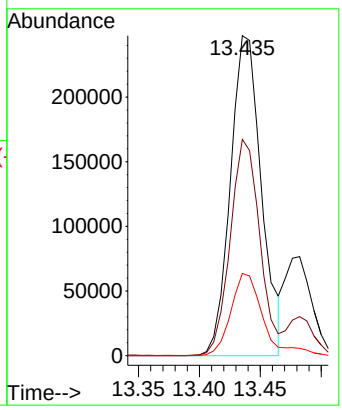


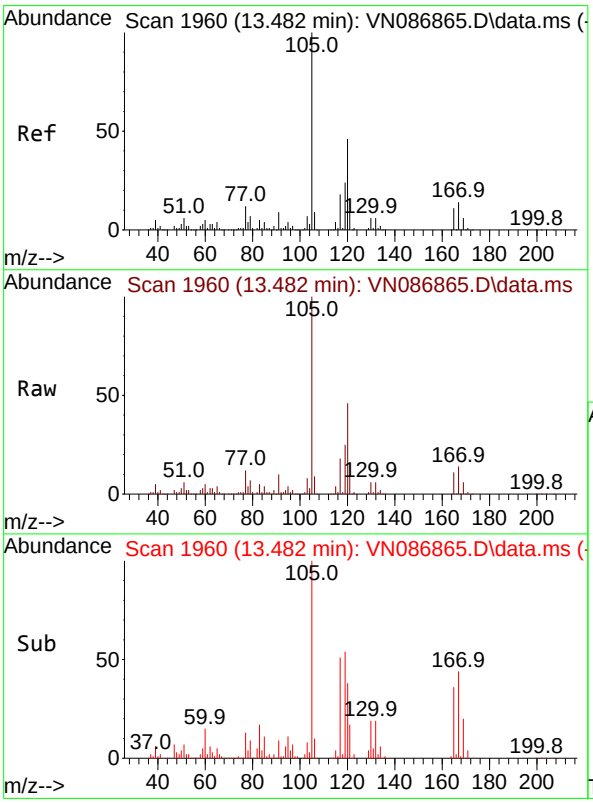
#83
tert-Butylbenzene
Concen: 47.531 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 438417

Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.5
134	26.7	13.4	40.1

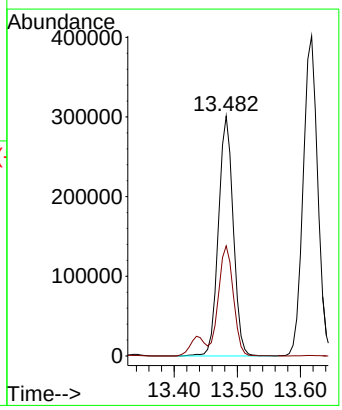


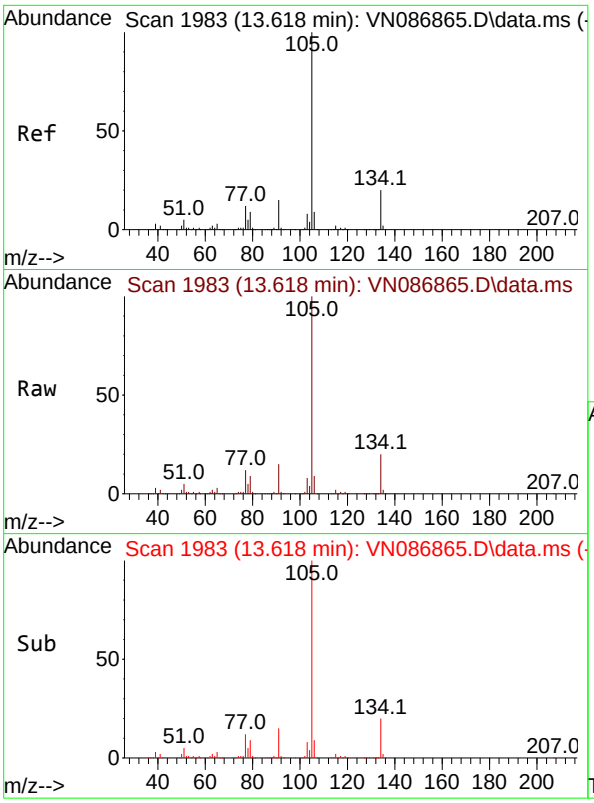


#84
1,2,4-Trimethylbenzene
Concen: 48.314 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 488189

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6



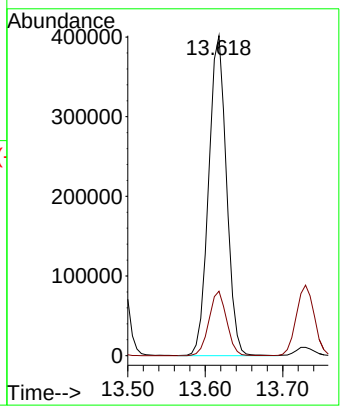


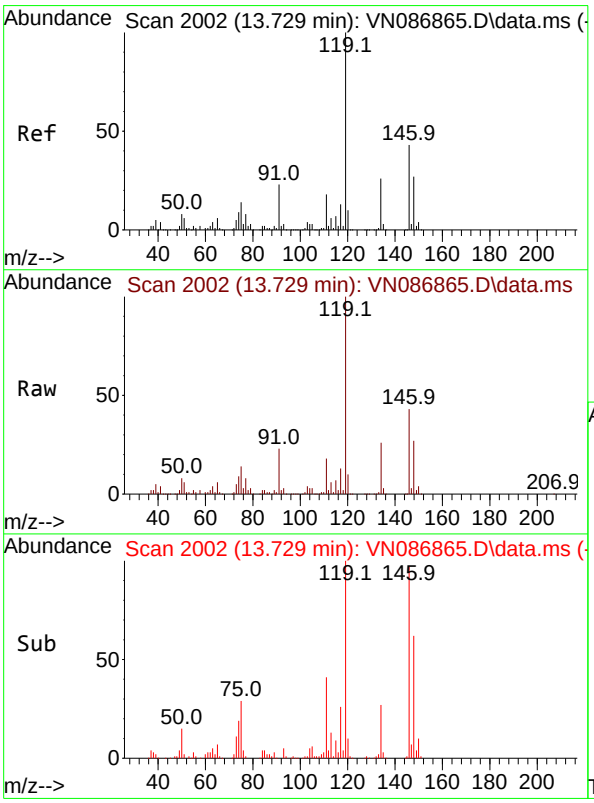
#85
sec-Butylbenzene
Concen: 47.893 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 641523

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

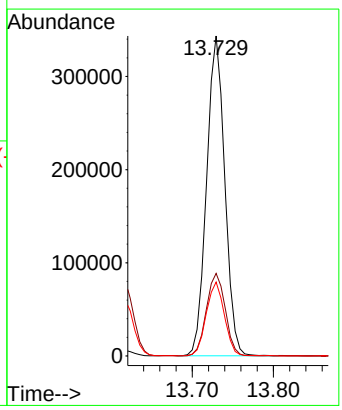


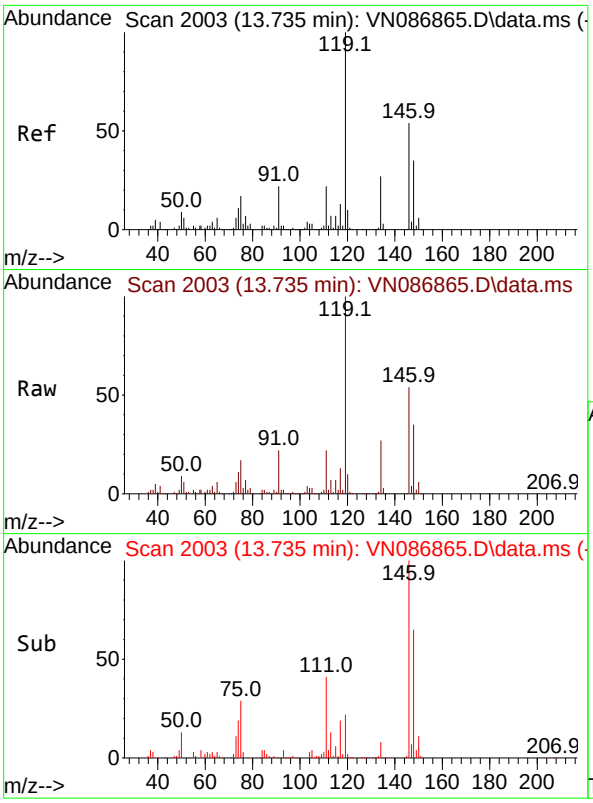


#86
p-Isopropyltoluene
Concen: 48.169 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 533366

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.9	11.5	34.4



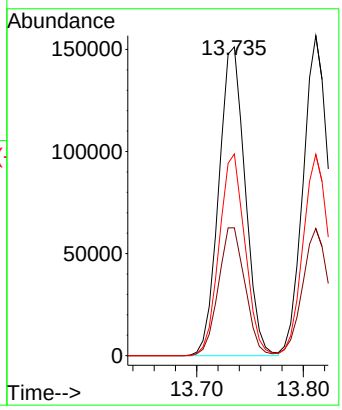


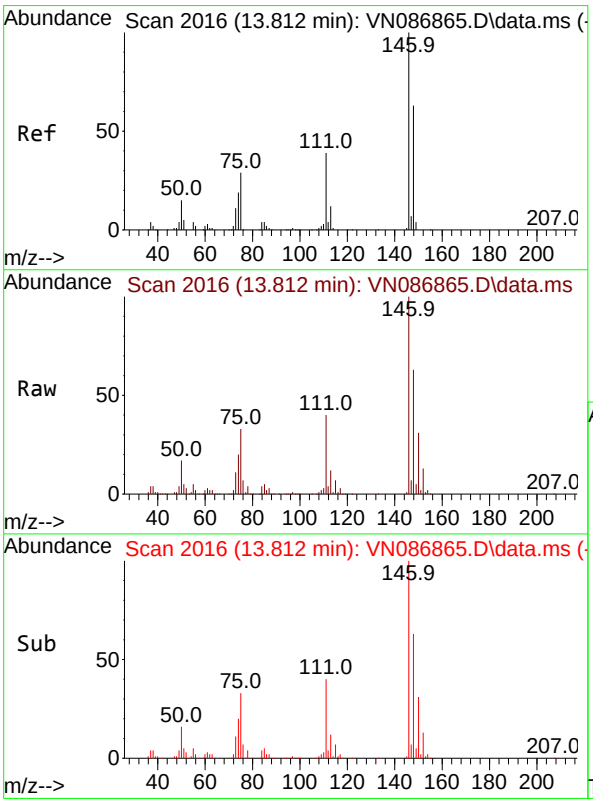
#87
1,3-Dichlorobenzene
Concen: 47.269 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 260310

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2

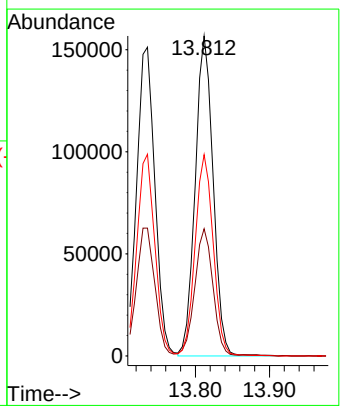


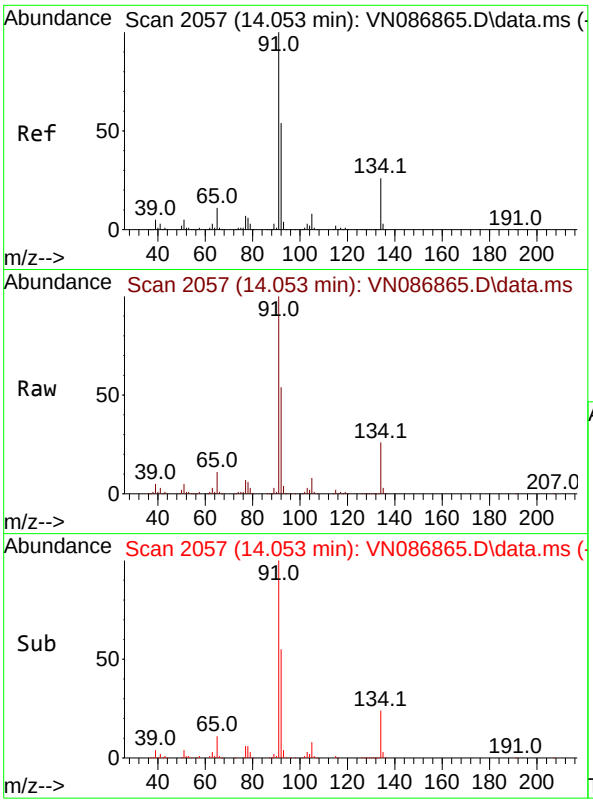


#88
1,4-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 263358

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.6	31.8	95.4



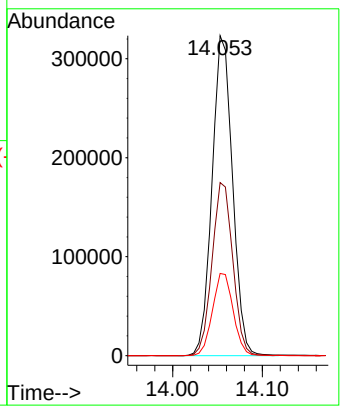


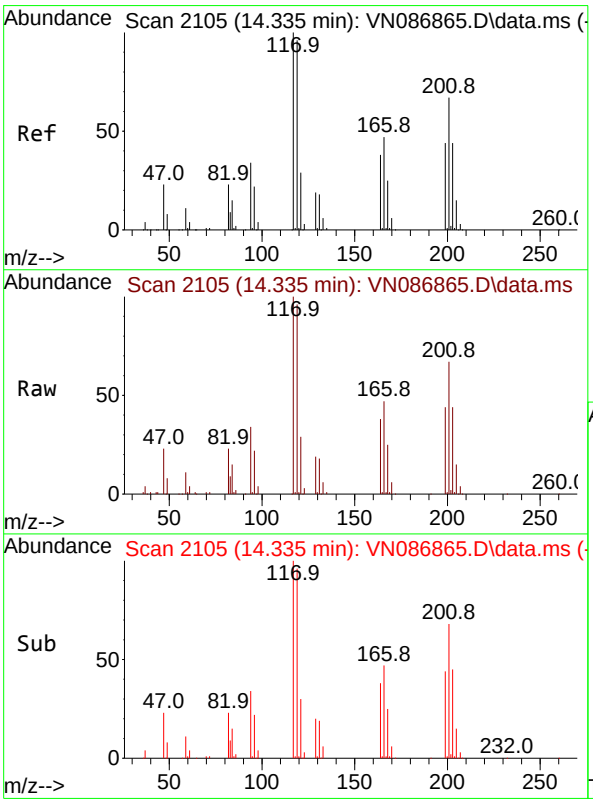
#89
n-Butylbenzene
Concen: 47.787 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 512519

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.0	13.0	39.0

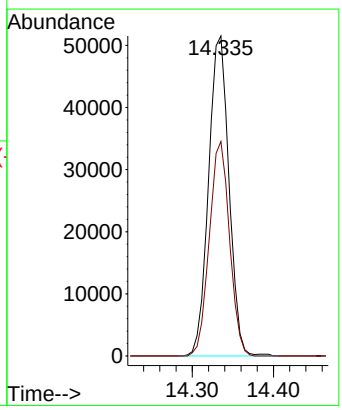


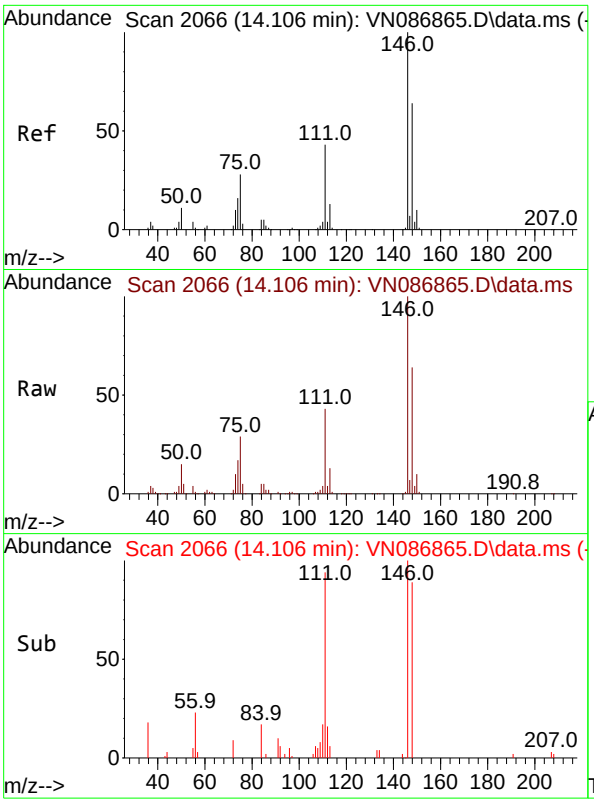


#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 89896

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6



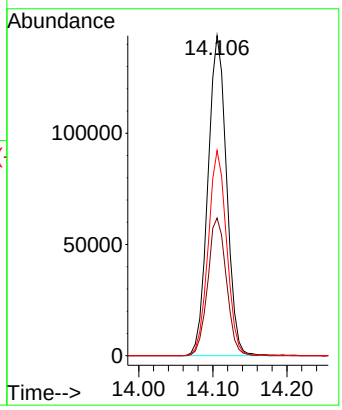


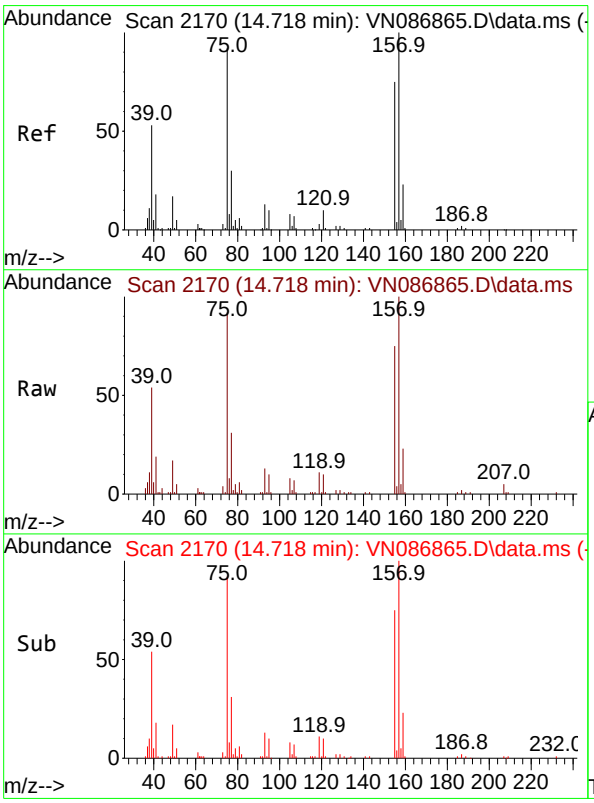
#91
1,2-Dichlorobenzene
Concen: 47.486 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 251235

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.4	31.7	95.1

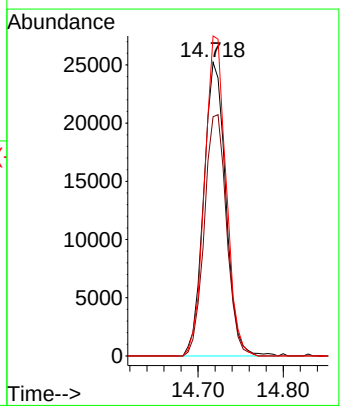


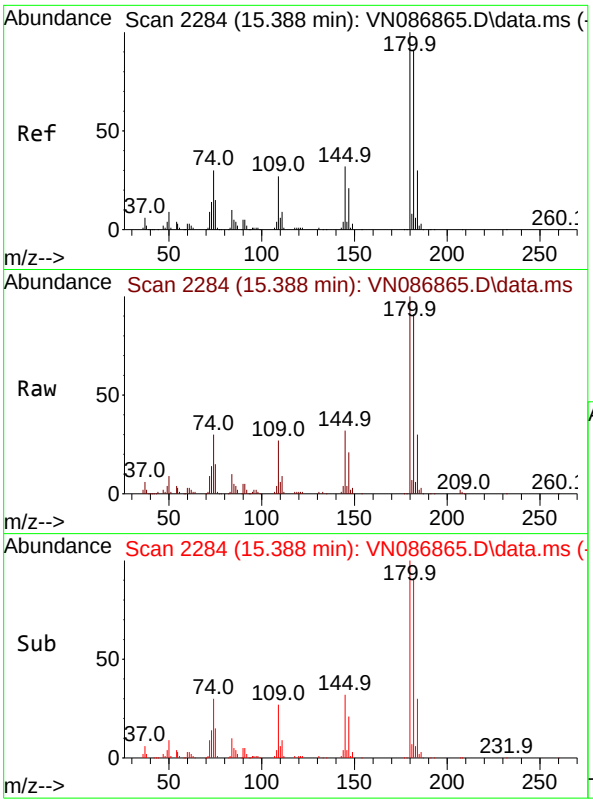


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.049 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 45535

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.1	123.4
157	105.4	52.7	158.1



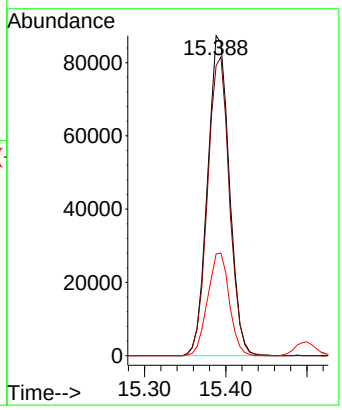


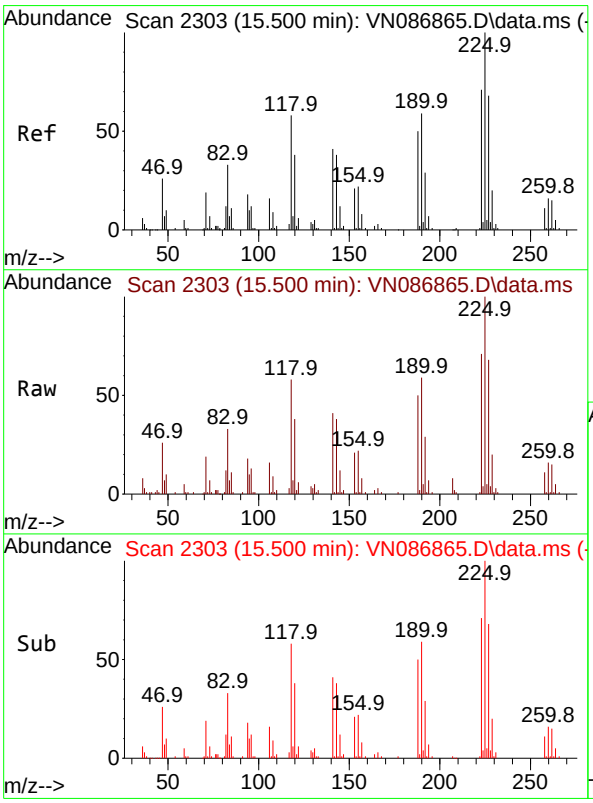
#93
1,2,4-Trichlorobenzene
Concen: 48.061 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 162374

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.9	16.0	47.9

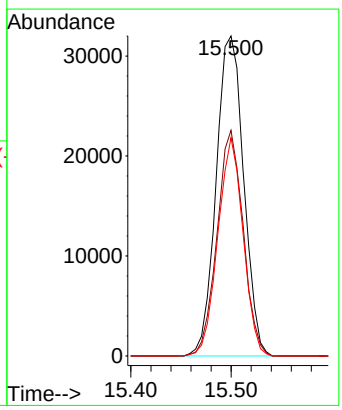


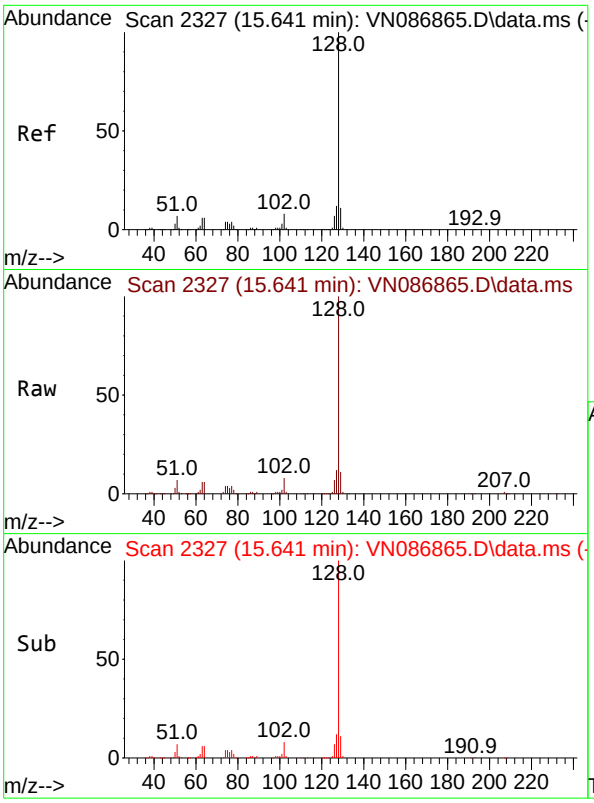


#94
Hexachlorobutadiene
Concen: 48.356 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:225 Resp: 60866

Ion	Ratio	Lower	Upper
225	100		
223	66.9	33.5	100.4
227	62.3	31.1	93.5



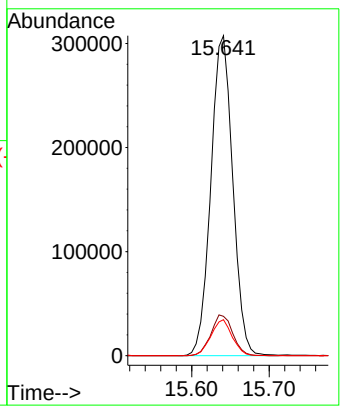


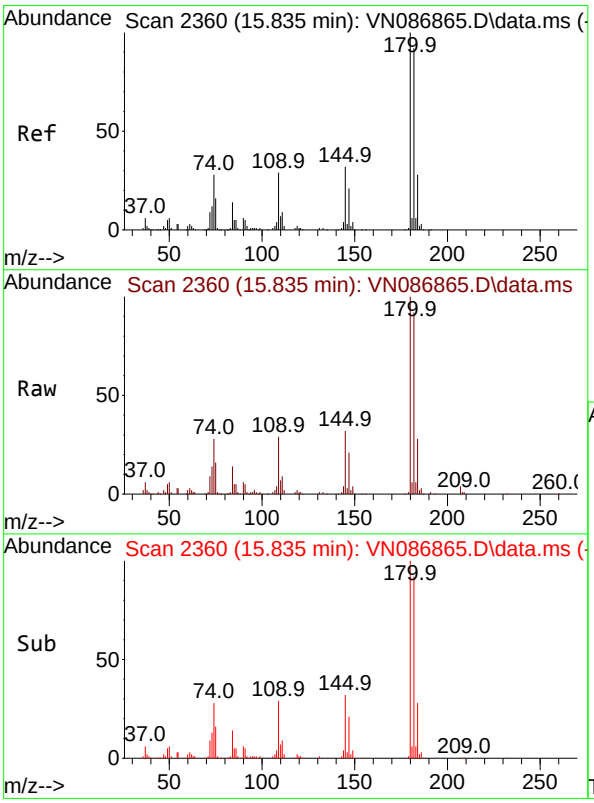
#95
Naphthalene
Concen: 47.958 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 603088

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

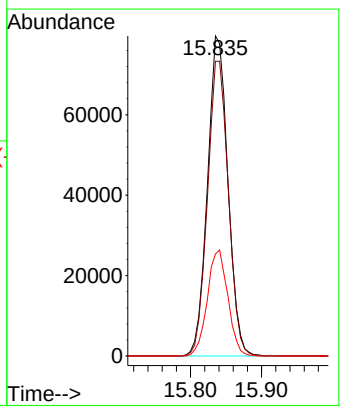




#96
1,2,3-Trichlorobenzene
Concen: 47.402 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 159113

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.2	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	485083	138.300	ug/l		69
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

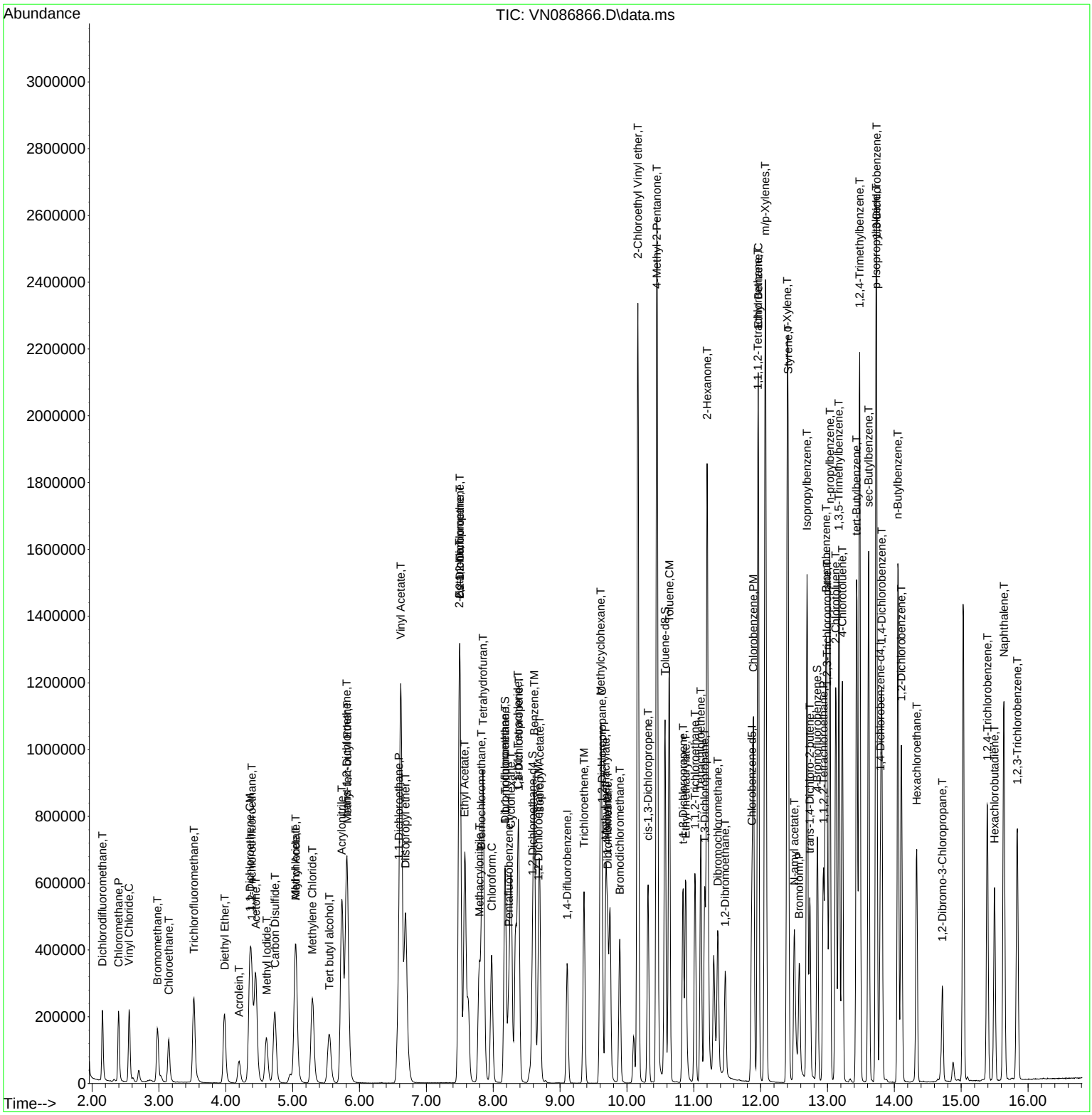
(#) = qualifier out of range (m) = manual integration (+) = signals summed

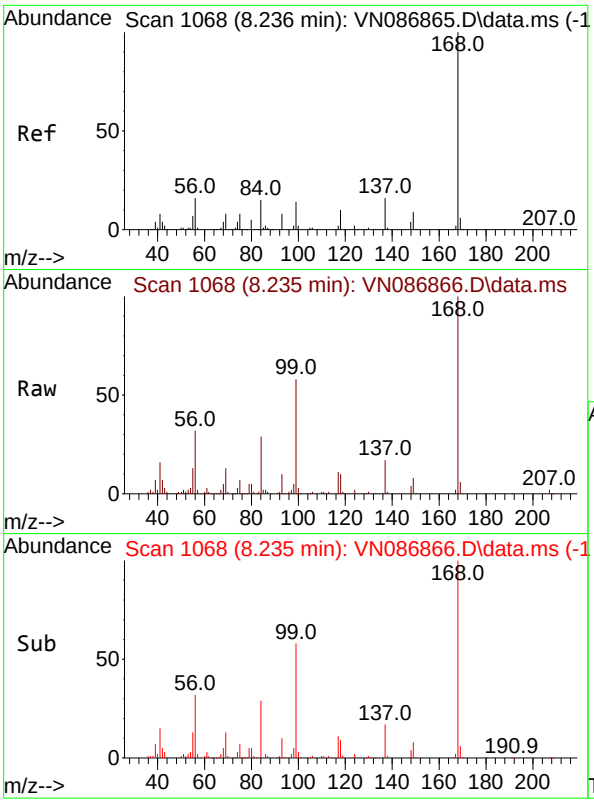
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



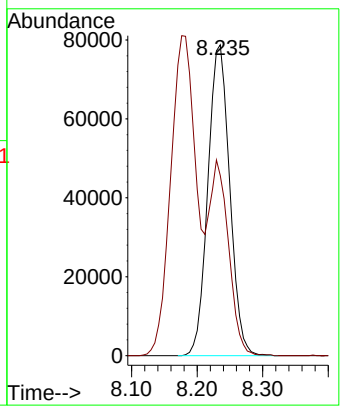


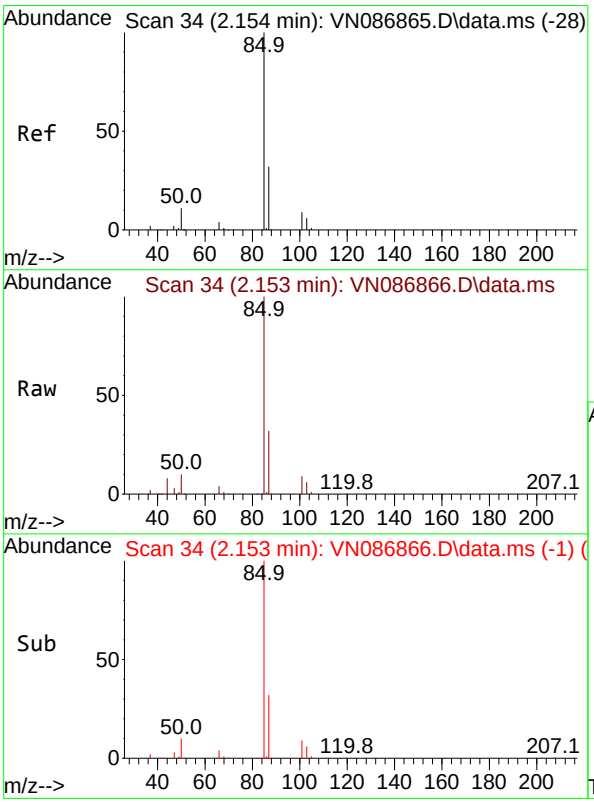
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 181996

Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.1	73.7

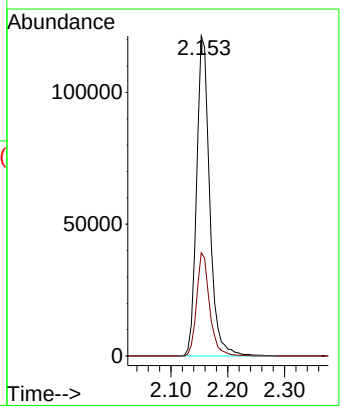


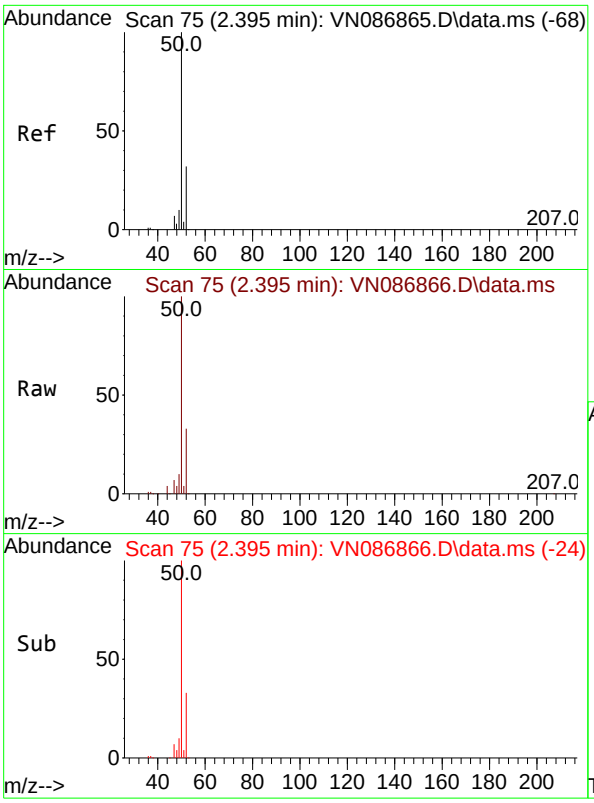


#2
Dichlorodifluoromethane
Concen: 107.350 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 85 Resp: 194799

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6



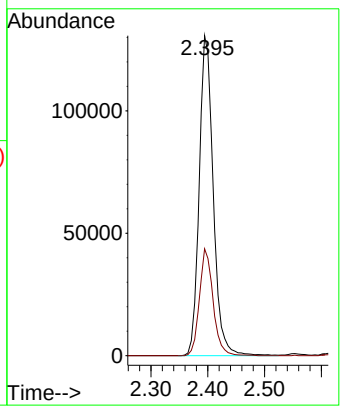


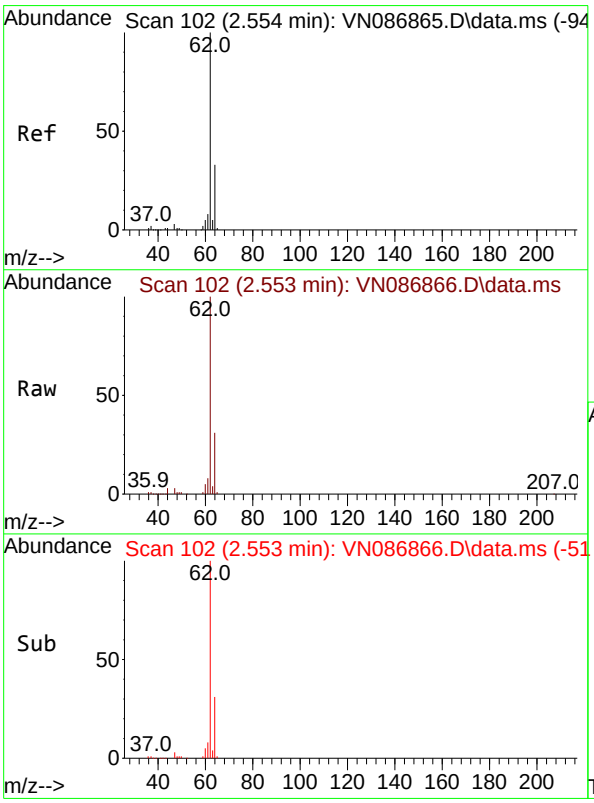
#3
Chloromethane
Concen: 95.833 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 224558

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5

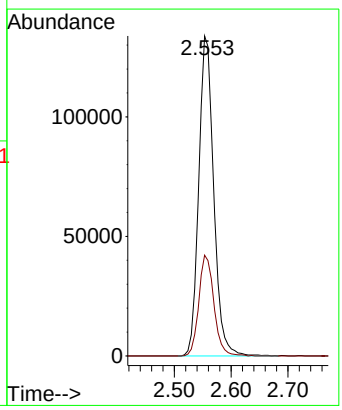


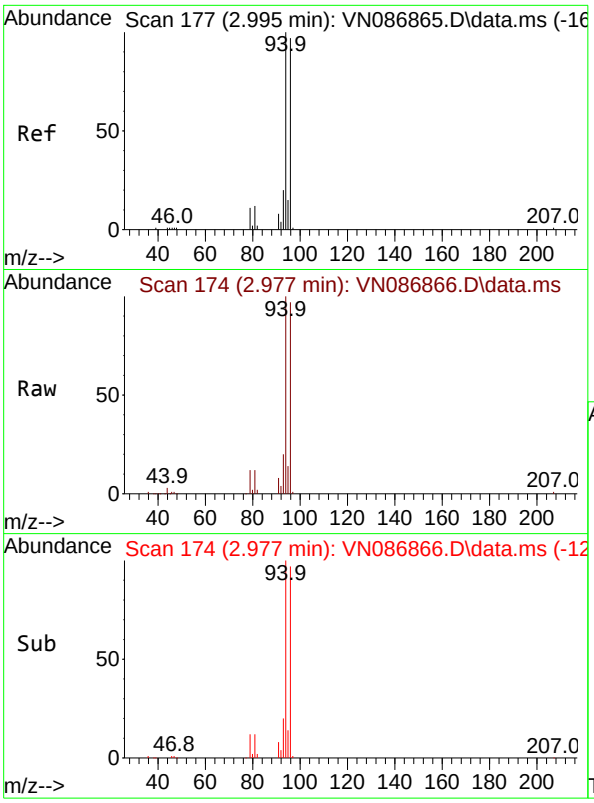


#4
Vinyl Chloride
Concen: 101.414 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 245135

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.0	39.0



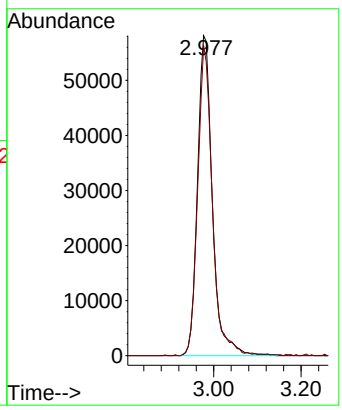


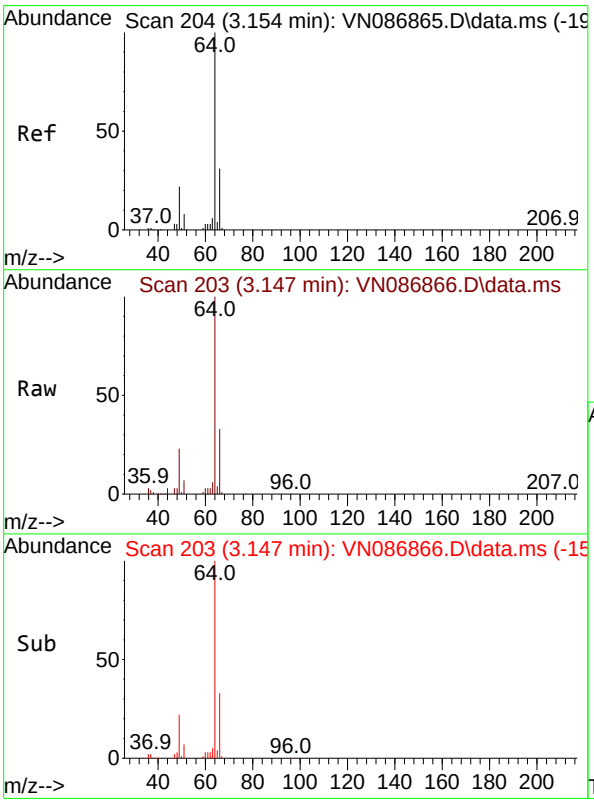
#5
Bromomethane
Concen: 101.996 ug/l
RT: 2.977 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 137967

Ion	Ratio	Lower	Upper
94	100		
96	96.8	77.9	116.9

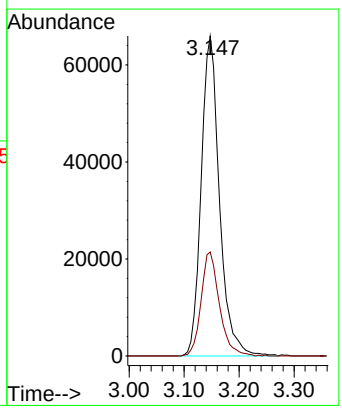


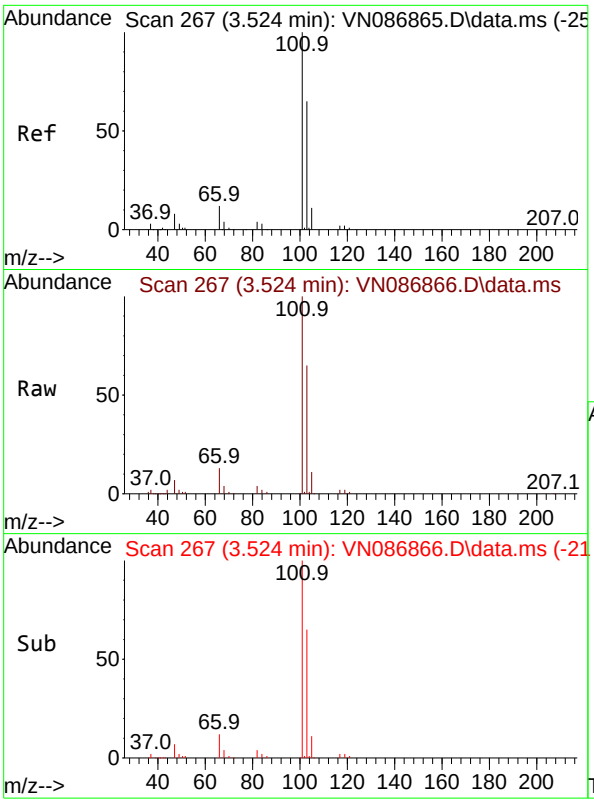


#6
Chloroethane
Concen: 97.447 ug/l
RT: 3.147 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 64 Resp: 152150

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8



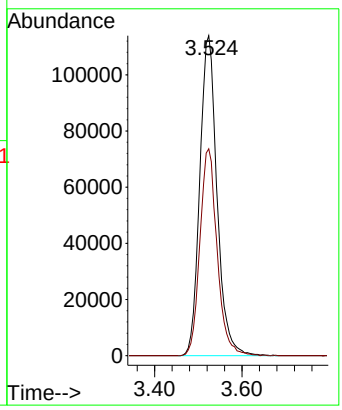


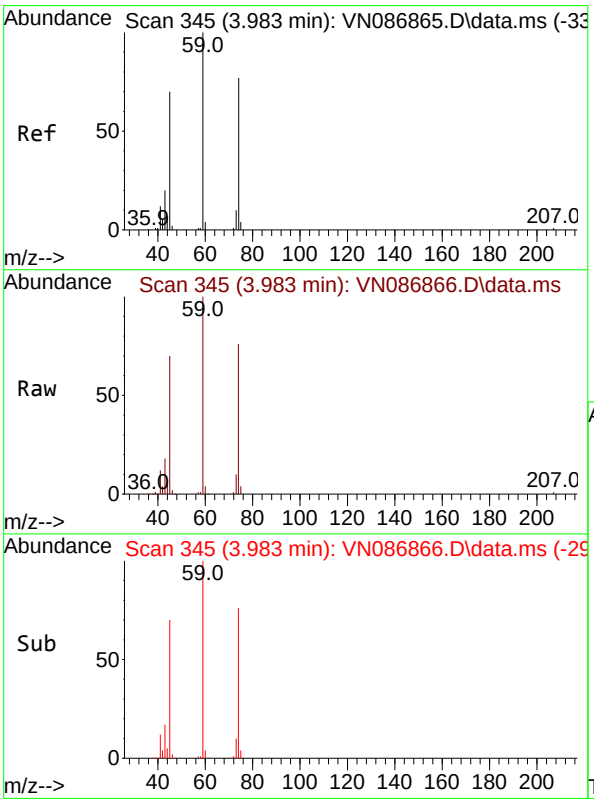
#7
Trichlorofluoromethane
Concen: 98.917 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 312394

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

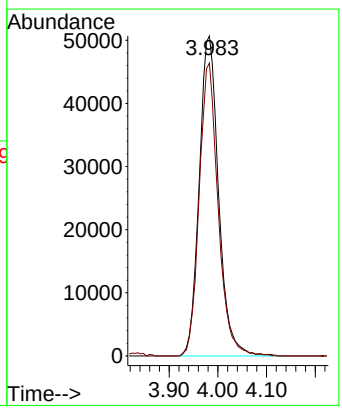


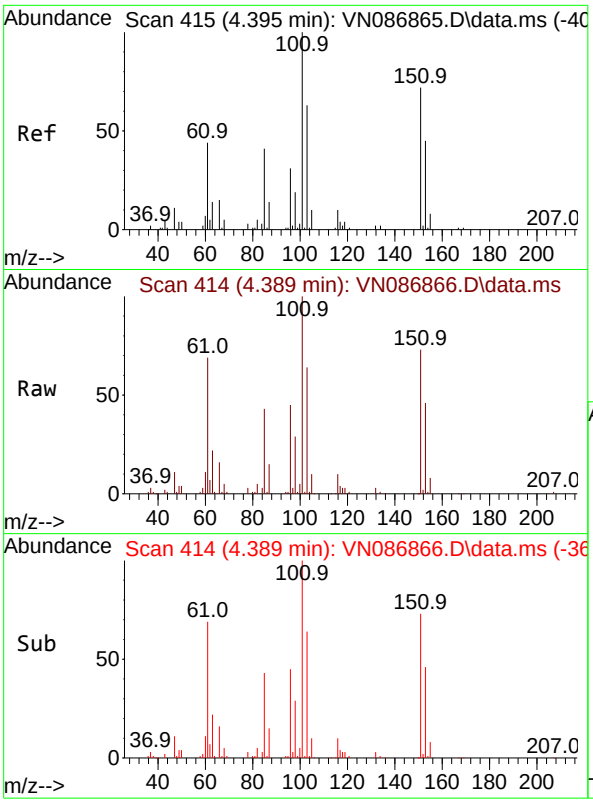


#8
Diethyl Ether
Concen: 101.631 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 74 Resp: 139844

Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.5	136.5



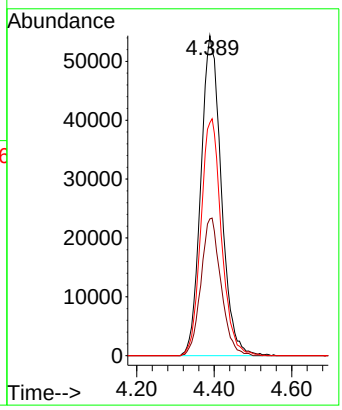


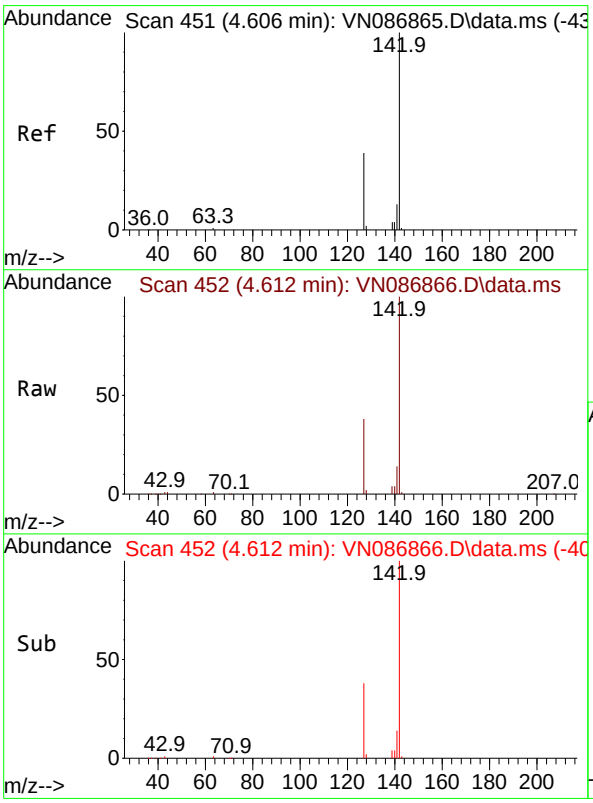
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.163 ug/l
RT: 4.389 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198739

Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.8	50.8
151	74.2	58.7	88.1

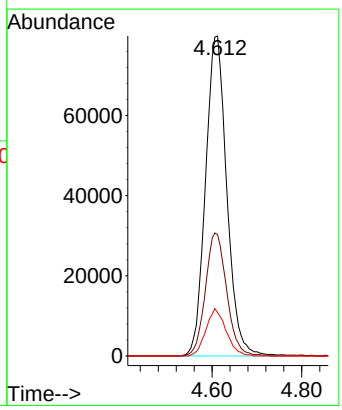


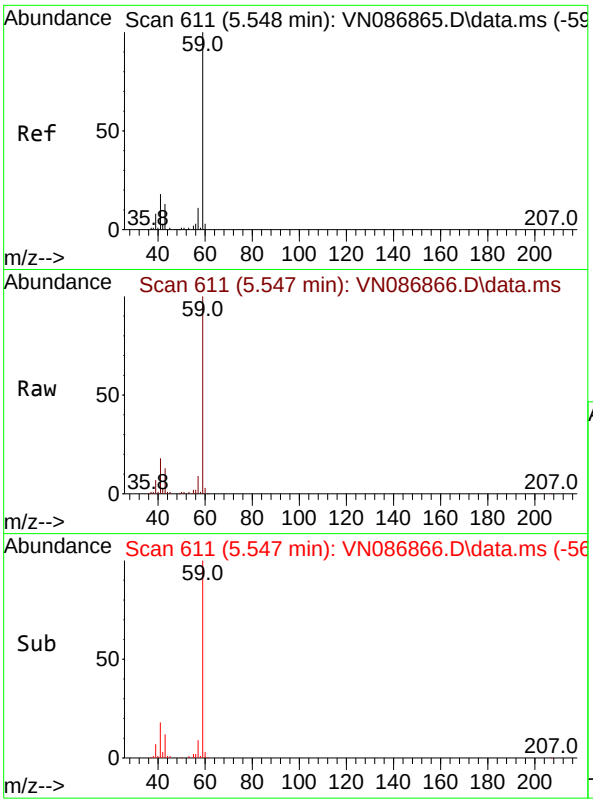


#10
Methyl Iodide
Concen: 102.162 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:142 Resp: 262771

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	13.6	10.4	15.6



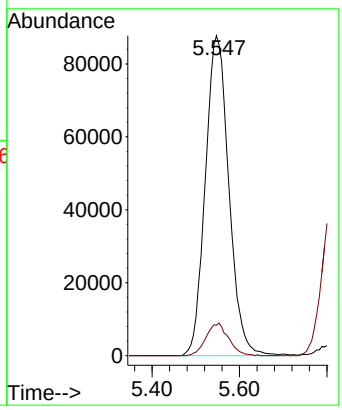


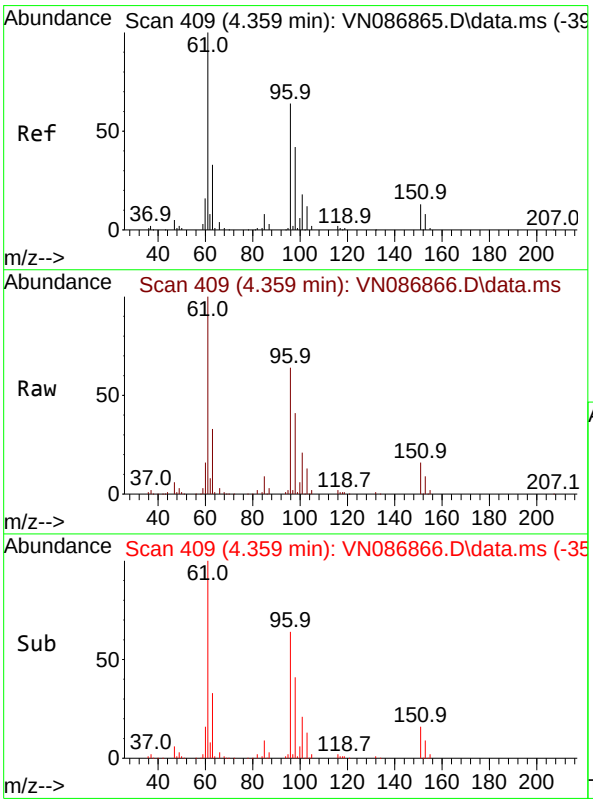
#11
Tert butyl alcohol
Concen: 496.062 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 327987

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

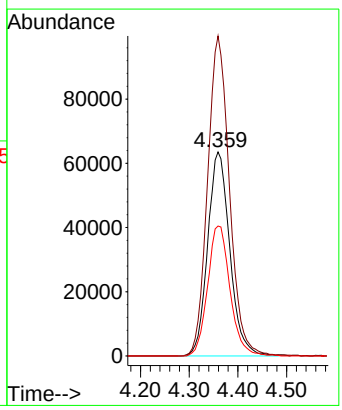


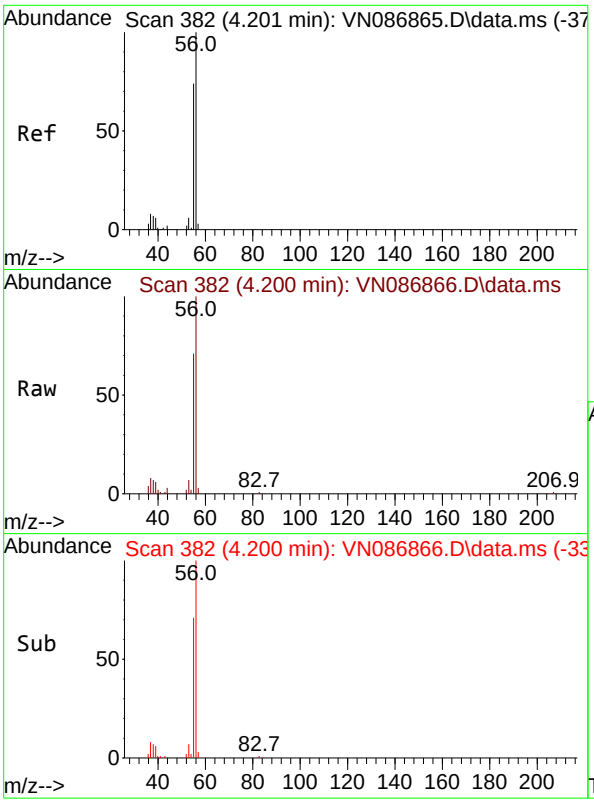


#12
1,1-Dichloroethene
Concen: 98.838 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 200212

Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.8	188.6
98	63.7	52.5	78.7



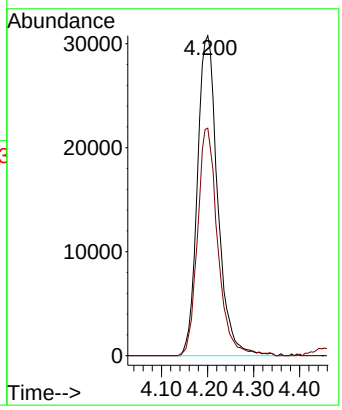


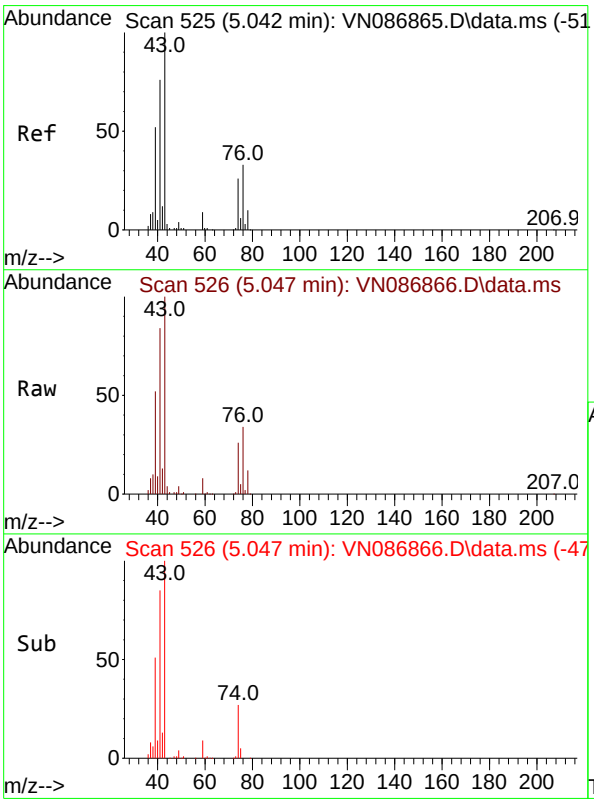
#13
Acrolein
Concen: 449.961 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 94171

Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.6	83.4

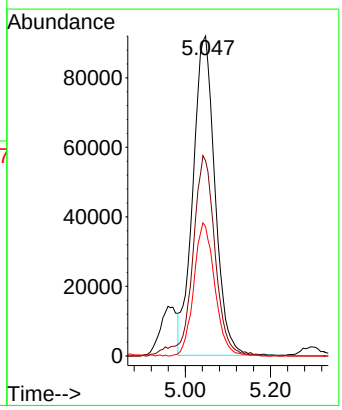


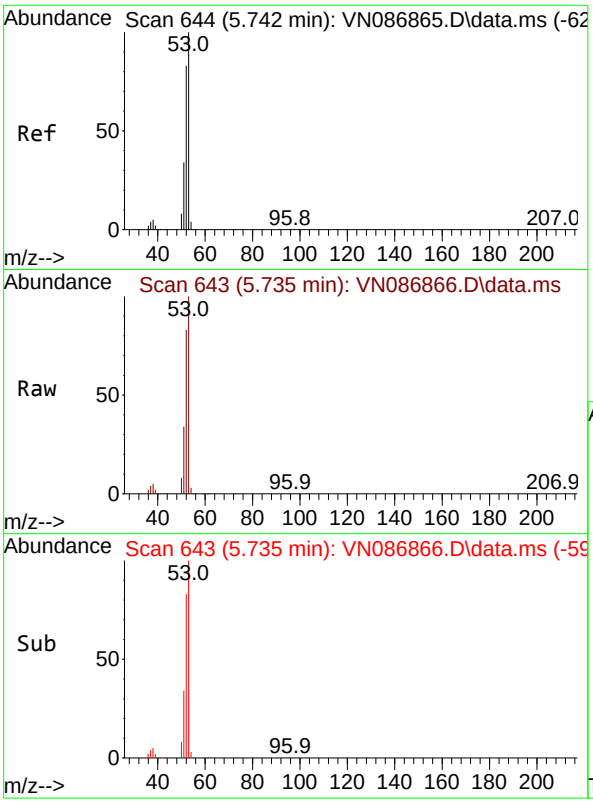


#14
Allyl chloride
Concen: 98.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 329412

Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.3	76.9
76	39.7	31.4	47.0



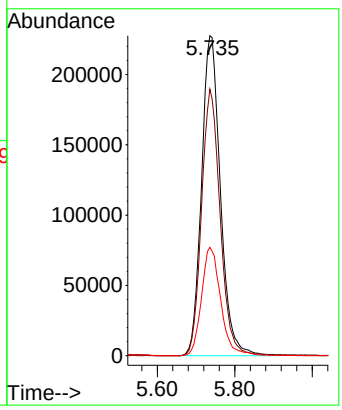


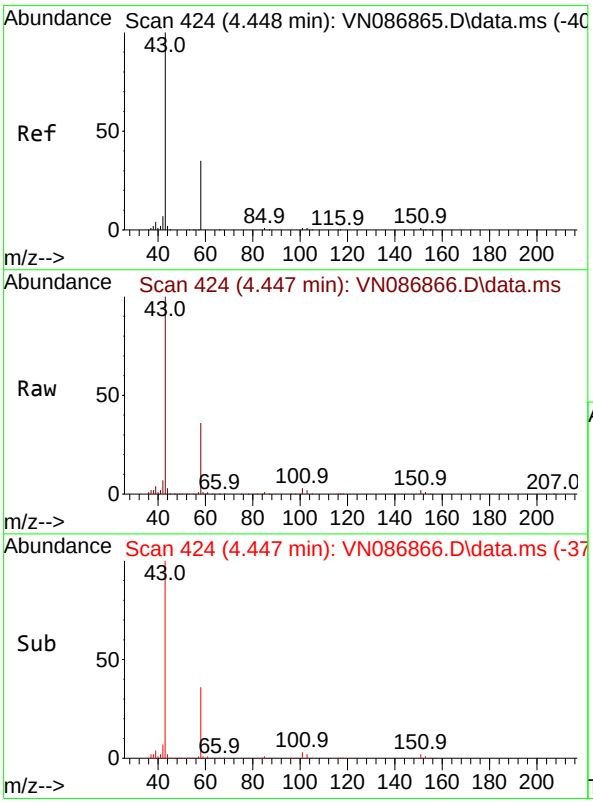
#15
Acrylonitrile
Concen: 498.552 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 770470

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.4	27.2	40.8

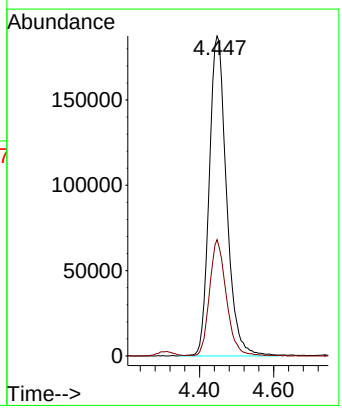


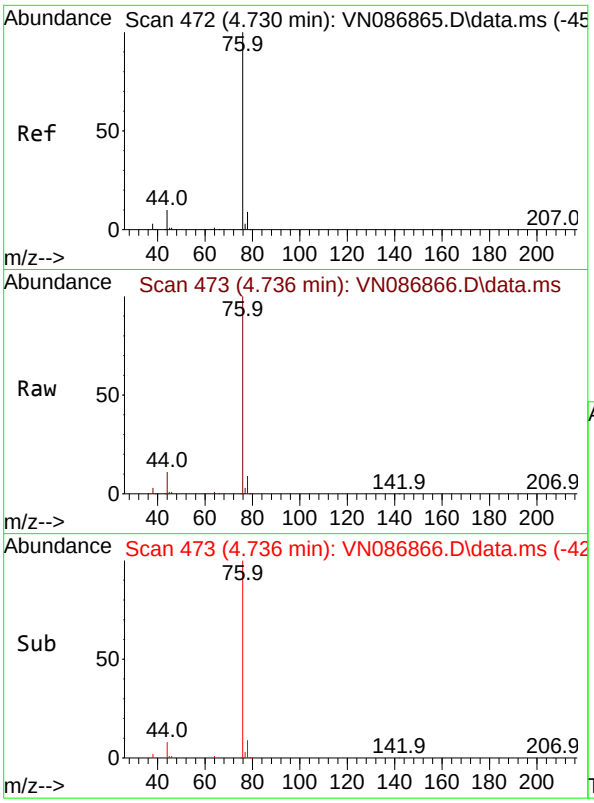


#16
Acetone
Concen: 470.648 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 608178

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.0	42.0



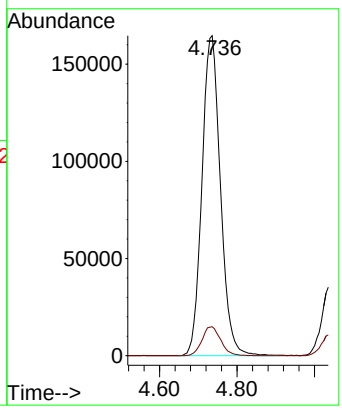


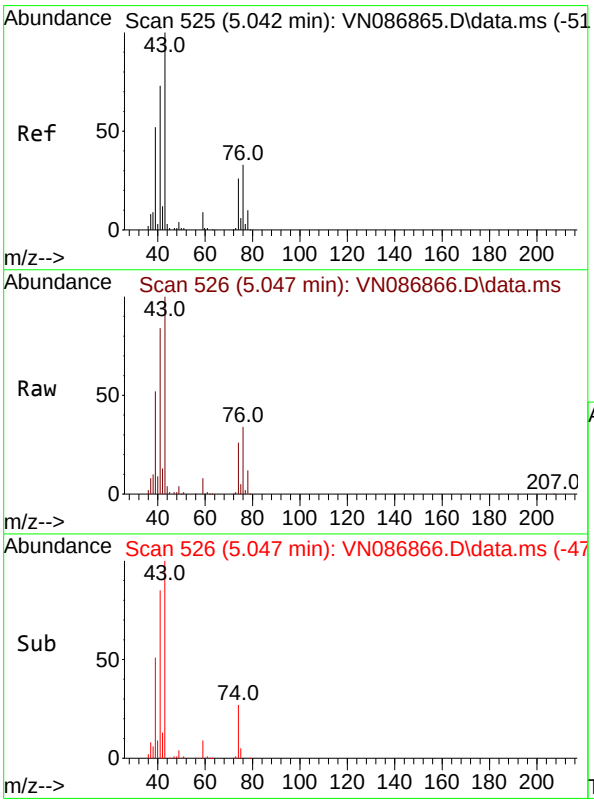
#17
Carbon Disulfide
Concen: 97.179 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 544511

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

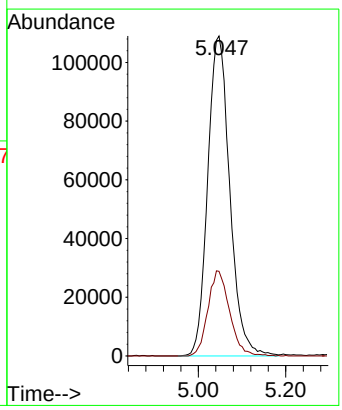


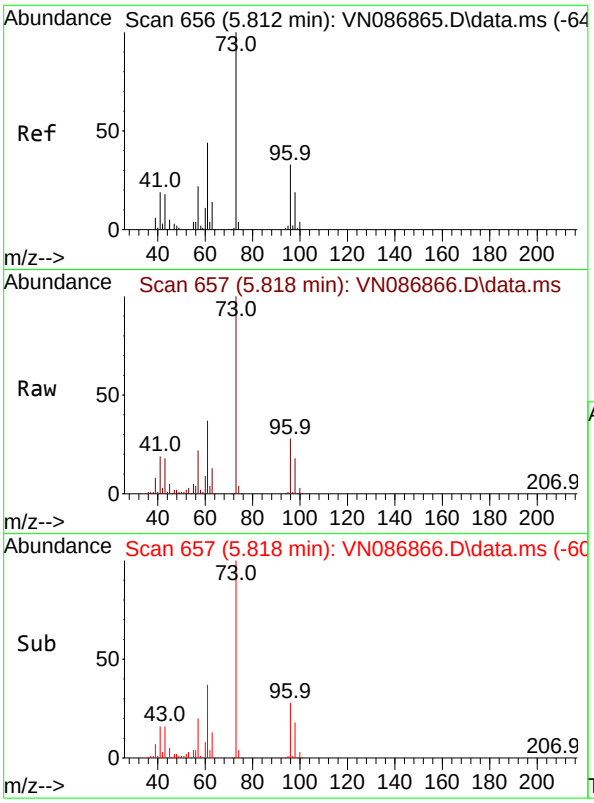


#18
Methyl Acetate
Concen: 101.390 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1



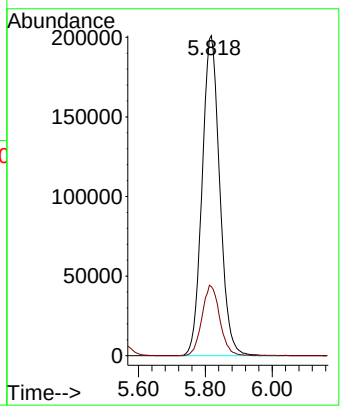


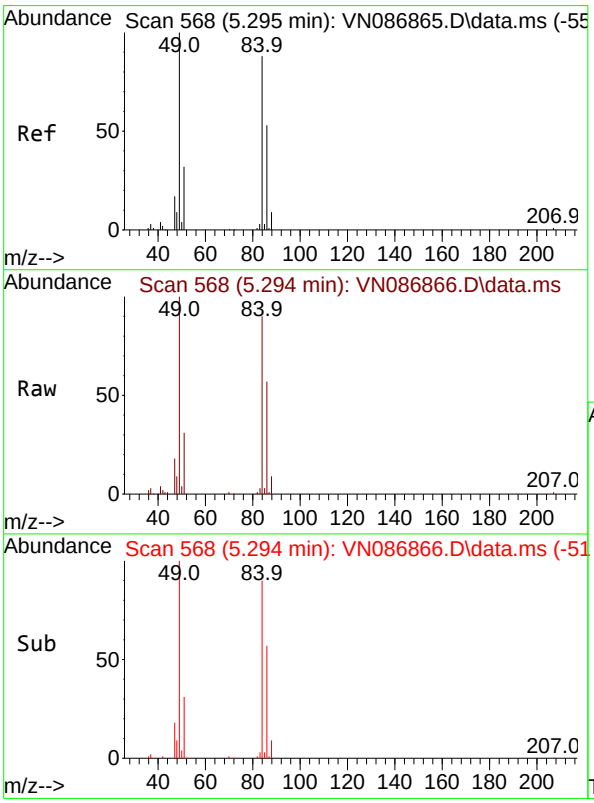
#19
Methyl tert-butyl Ether
Concen: 100.306 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 735694

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

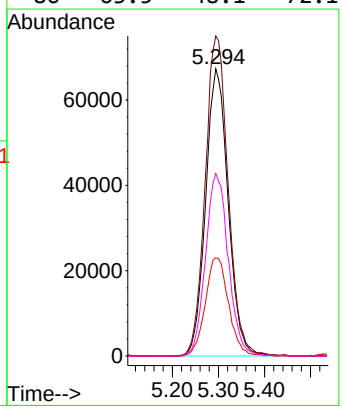


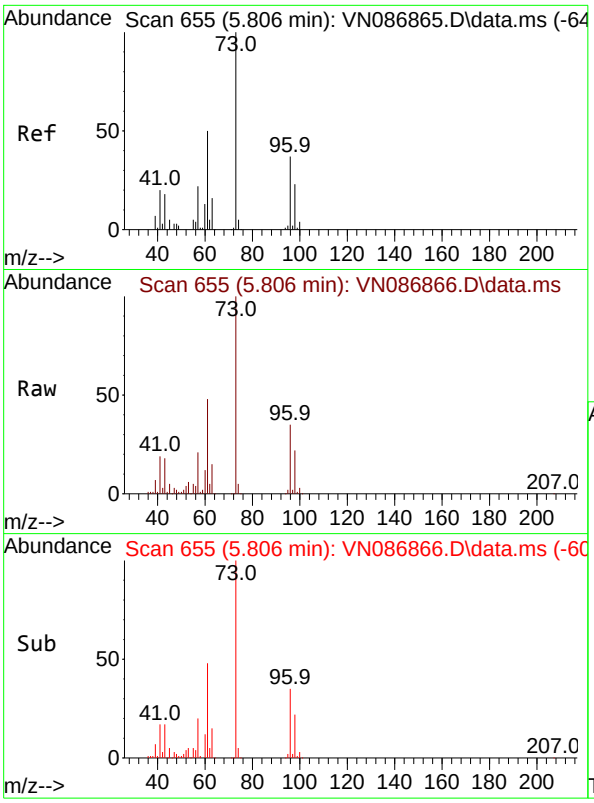


#20
Methylene Chloride
Concen: 94.575 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 84 Resp: 228800

Ion	Ratio	Lower	Upper
84	100		
49	111.4	90.5	135.7
51	34.2	28.5	42.7
86	63.5	48.1	72.1



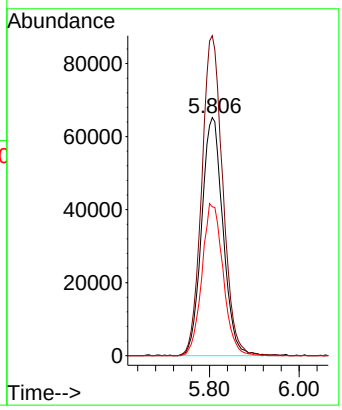


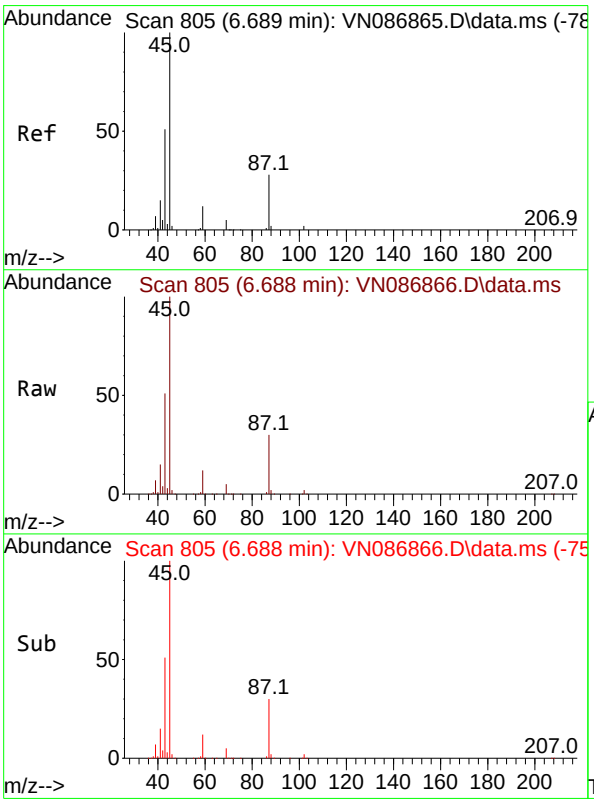
#21
trans-1,2-Dichloroethene
Concen: 95.476 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 215177

Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.2	163.8
98	62.5	49.8	74.8

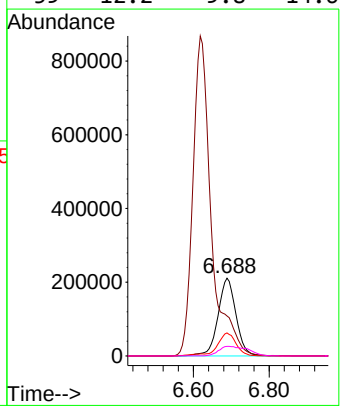


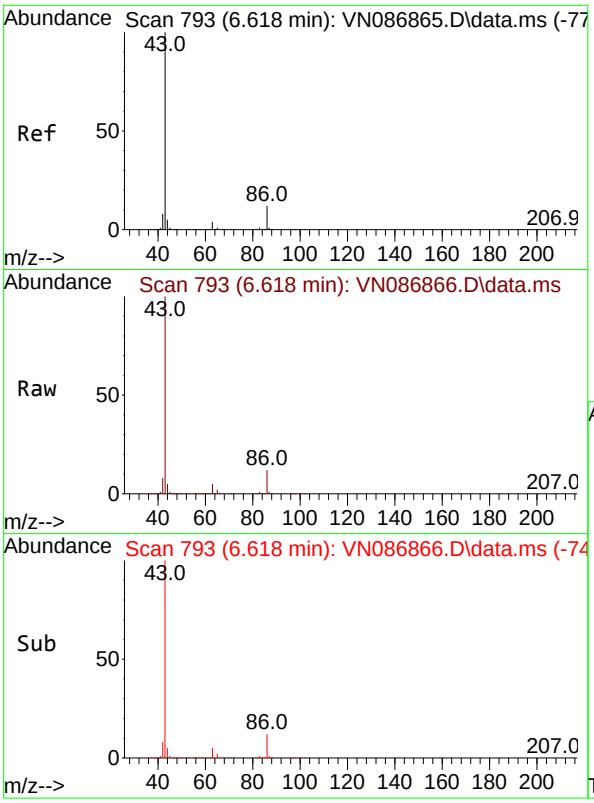


#22
Diisopropyl ether
Concen: 98.409 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 45 Resp: 696881

Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.9	62.9
87	29.6	22.4	33.6
59	12.2	9.8	14.6



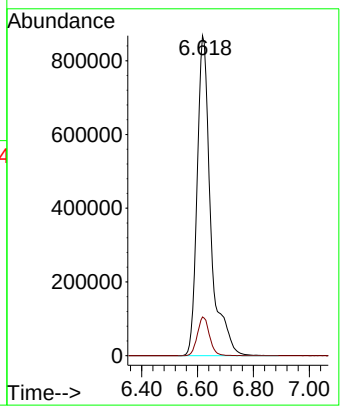


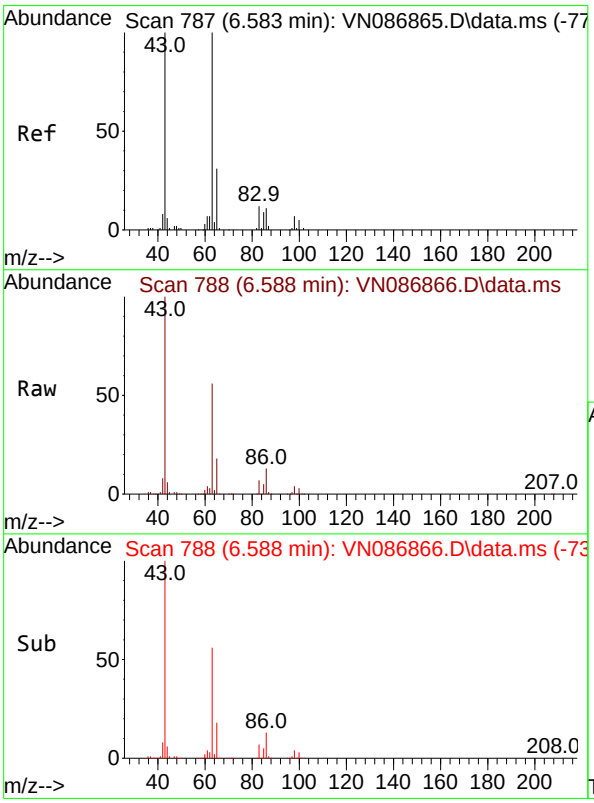
#23
Vinyl Acetate
Concen: 487.936 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2919350

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

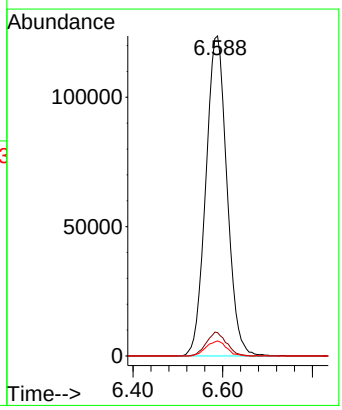


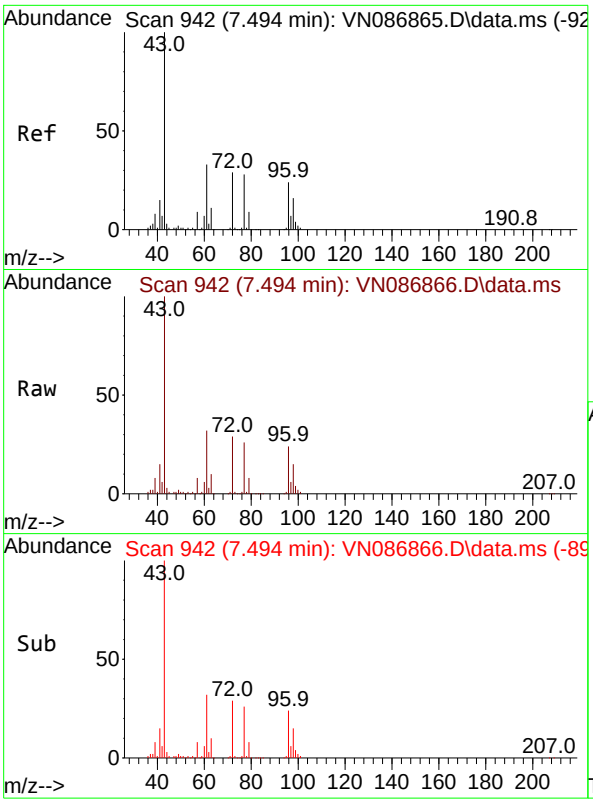


#24
1,1-Dichloroethane
Concen: 99.186 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 404207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.7	2.6	7.8



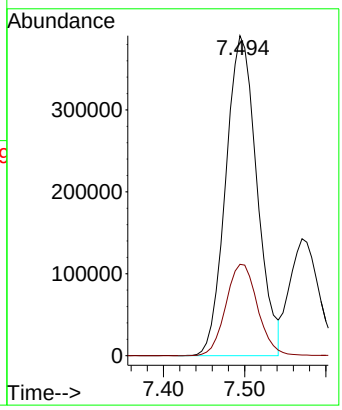


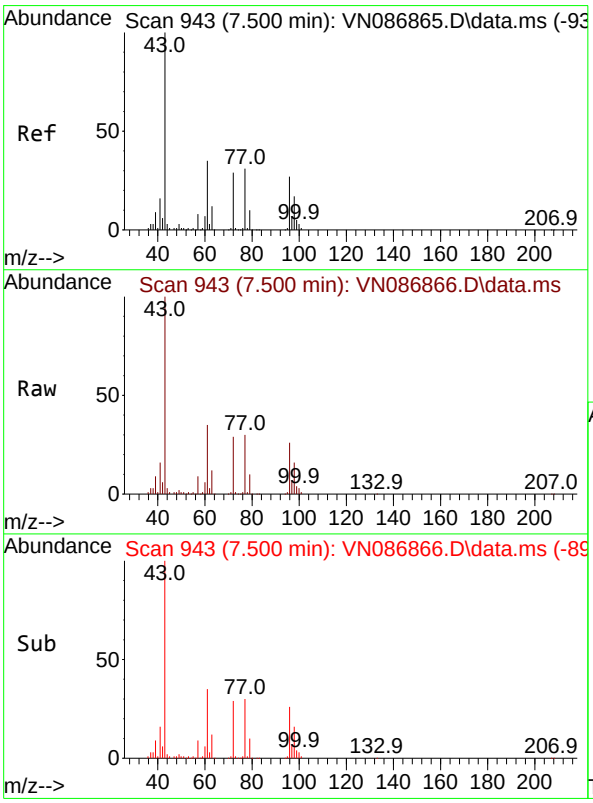
#25
2-Butanone
Concen: 496.743 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1043385

Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6

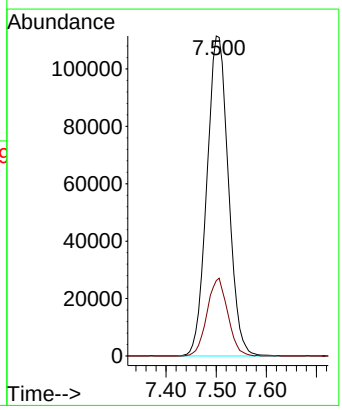


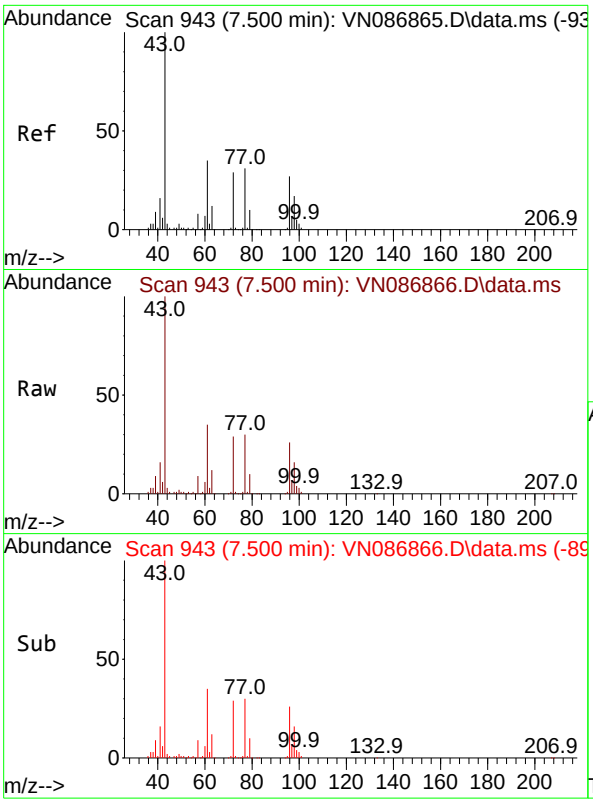


#26
2,2-Dichloropropane
Concen: 104.729 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 77 Resp: 331995

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7



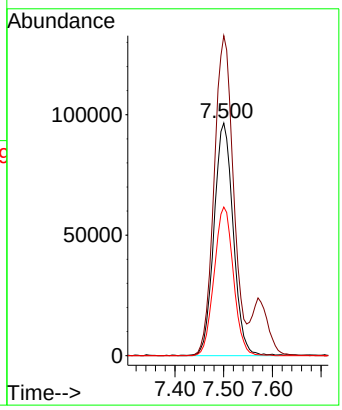


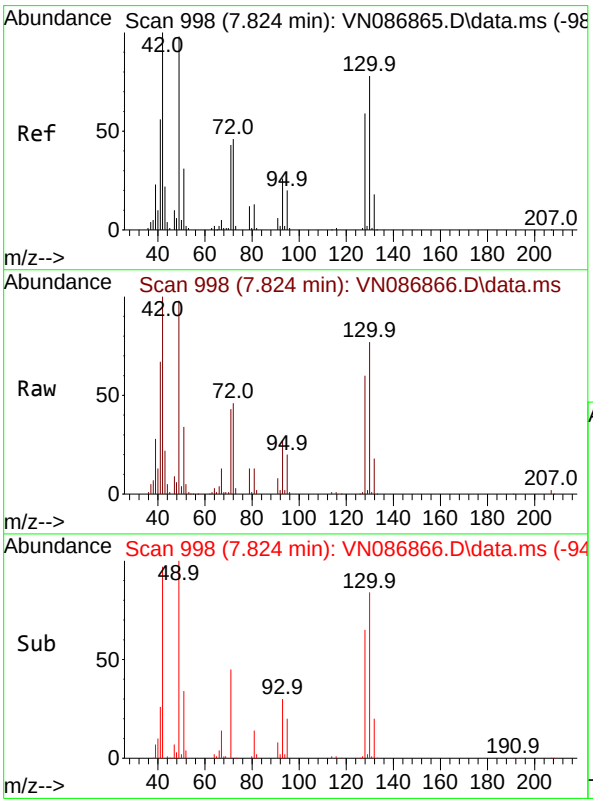
#27
cis-1,2-Dichloroethene
Concen: 98.410 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 265248

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	278.0
98	64.0	0.0	128.2

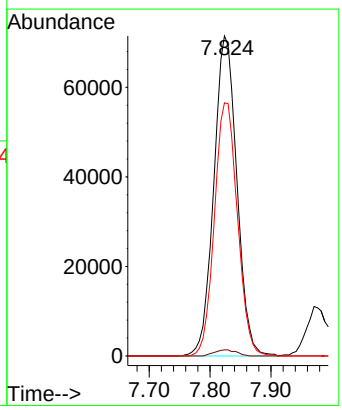


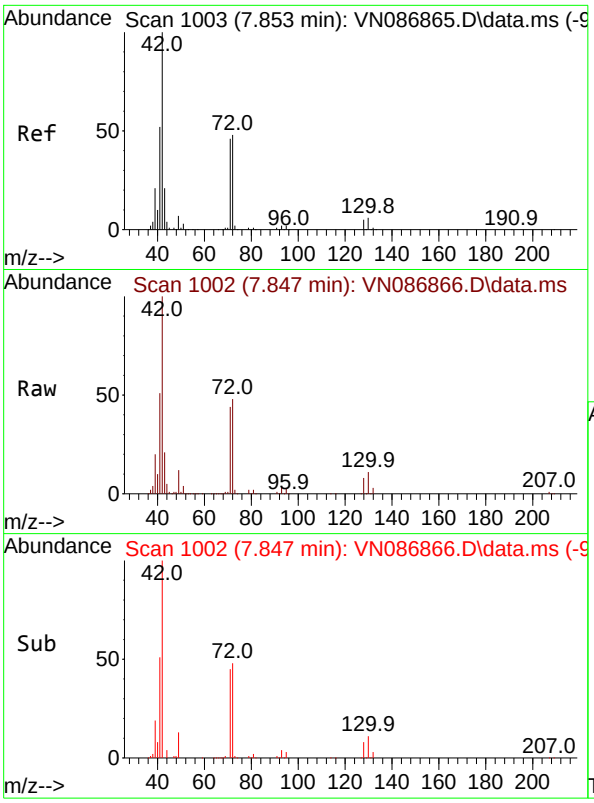


#28
Bromochloromethane
Concen: 93.851 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 49 Resp: 188050

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	78.9	62.2	93.2



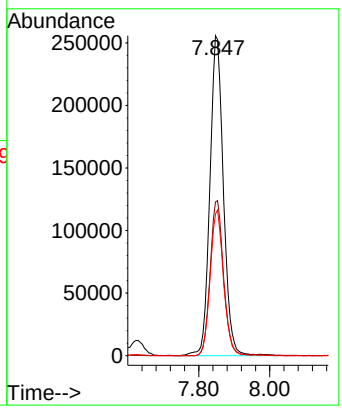


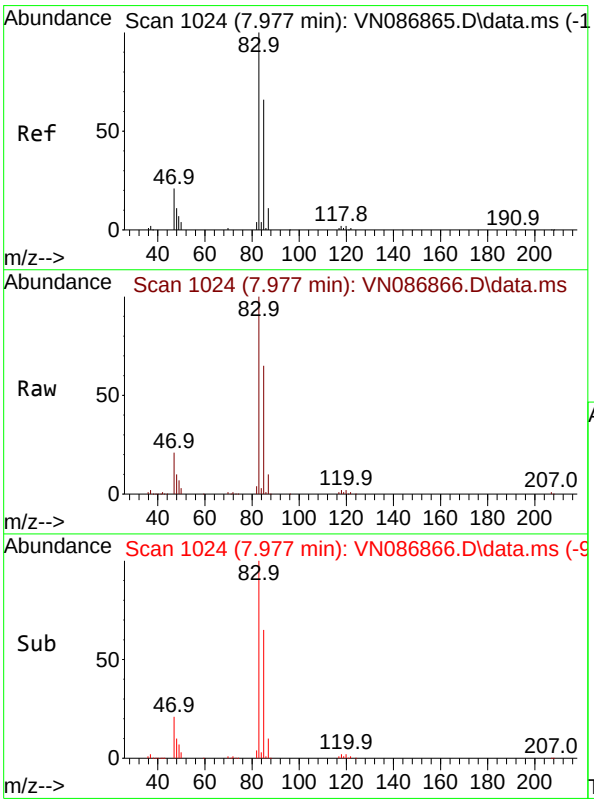
#29
Tetrahydrofuran
Concen: 495.240 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 677636

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	44.8	35.6	53.4

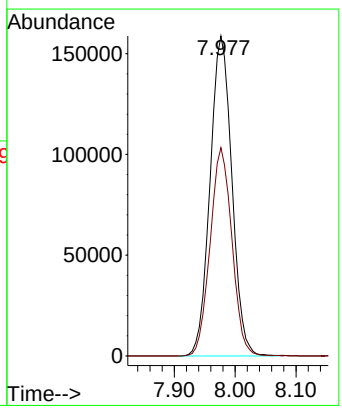


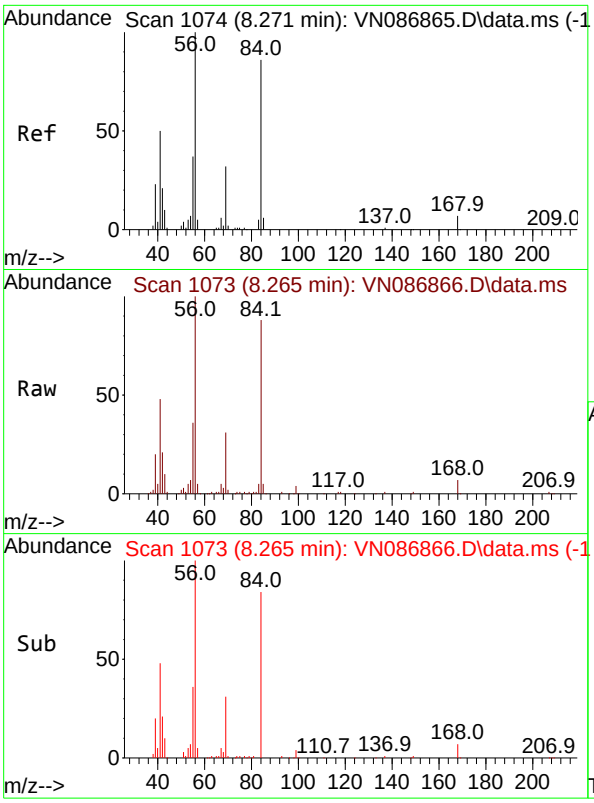


#30
Chloroform
Concen: 97.040 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 394927

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.9	79.3



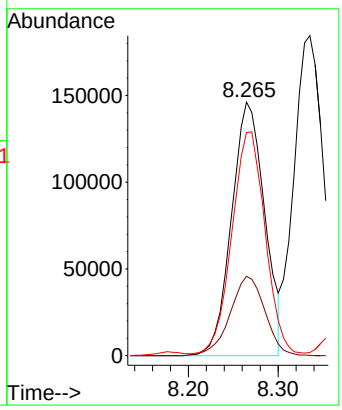


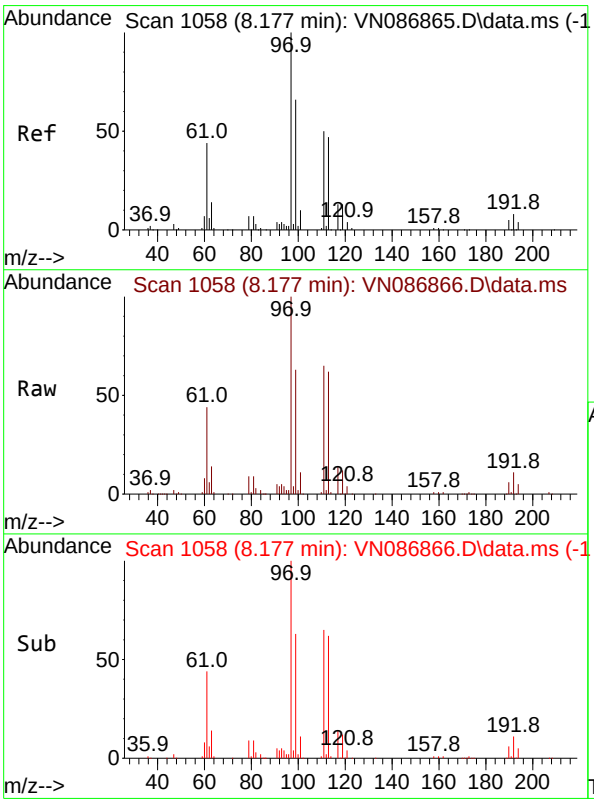
#31
Cyclohexane
Concen: 94.869 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 374933

Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	86.8	68.8	103.2

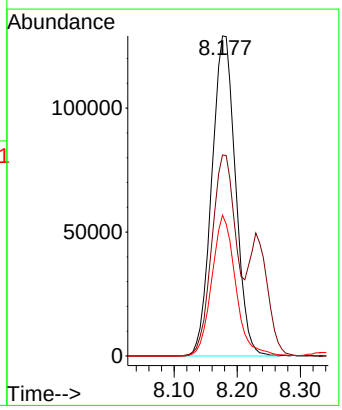


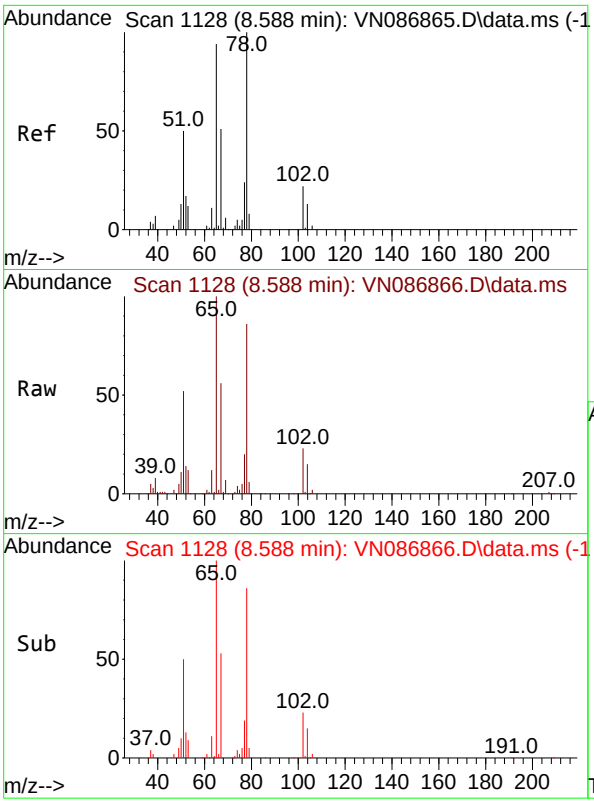


#32
1,1,1-Trichloroethane
Concen: 97.306 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 336819

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	44.2	35.9	53.9



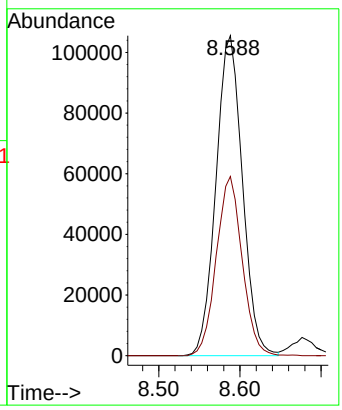


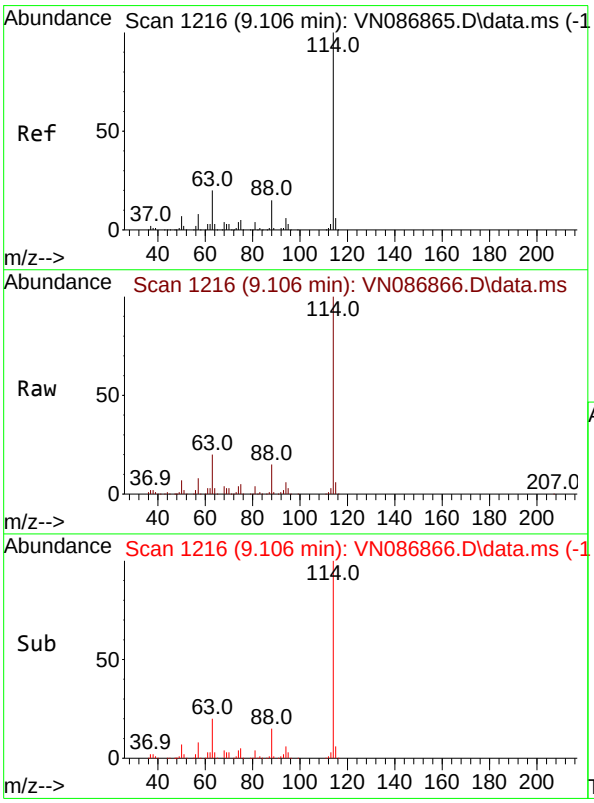
#33
1,2-Dichloroethane-d4
Concen: 98.065 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 238957

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

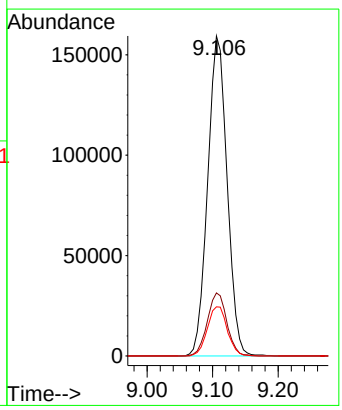


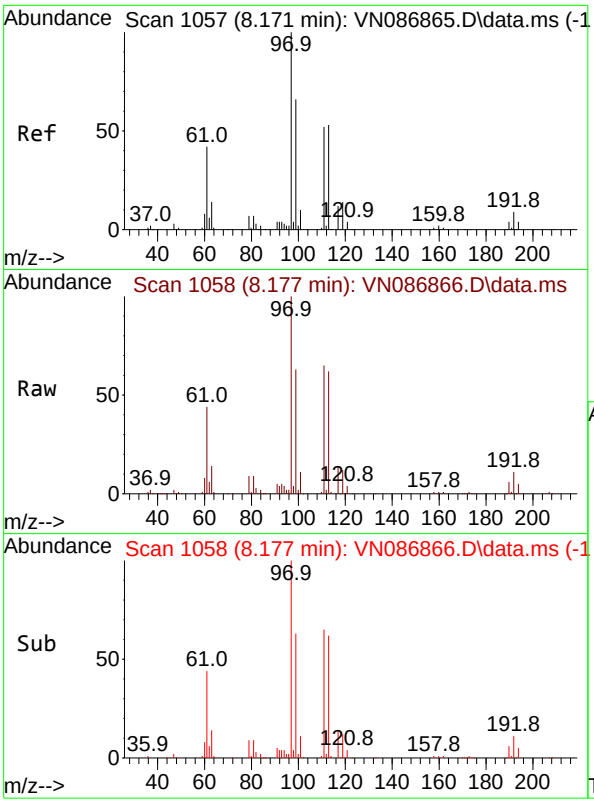


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:114 Resp: 327782

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	30.2



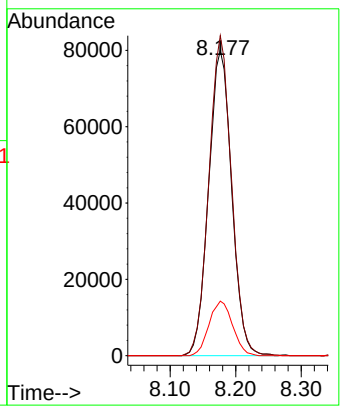


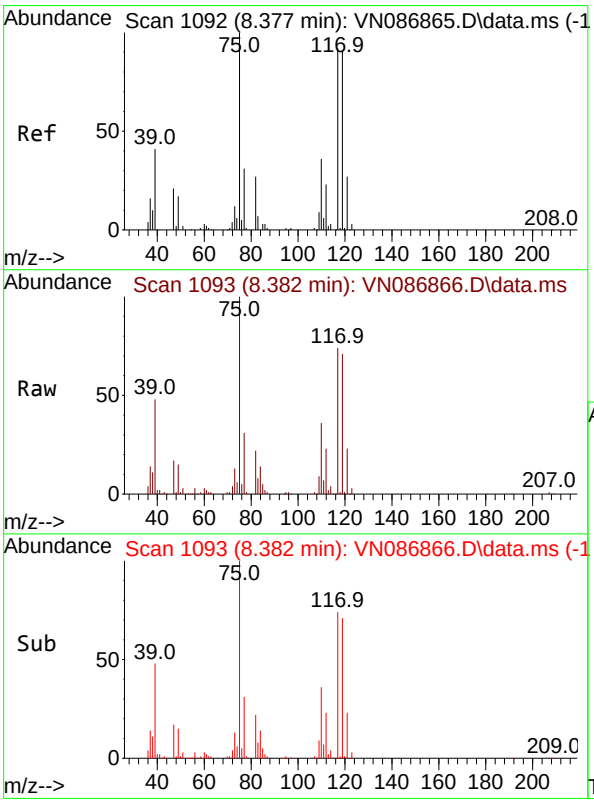
#35
Dibromofluoromethane
Concen: 100.495 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 195212

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	18.2	14.2	21.4

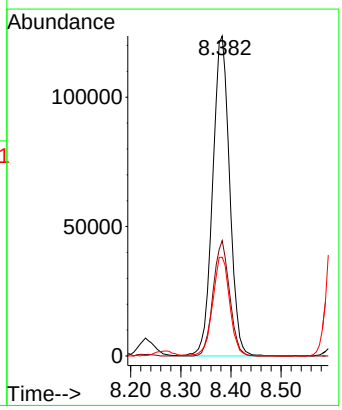


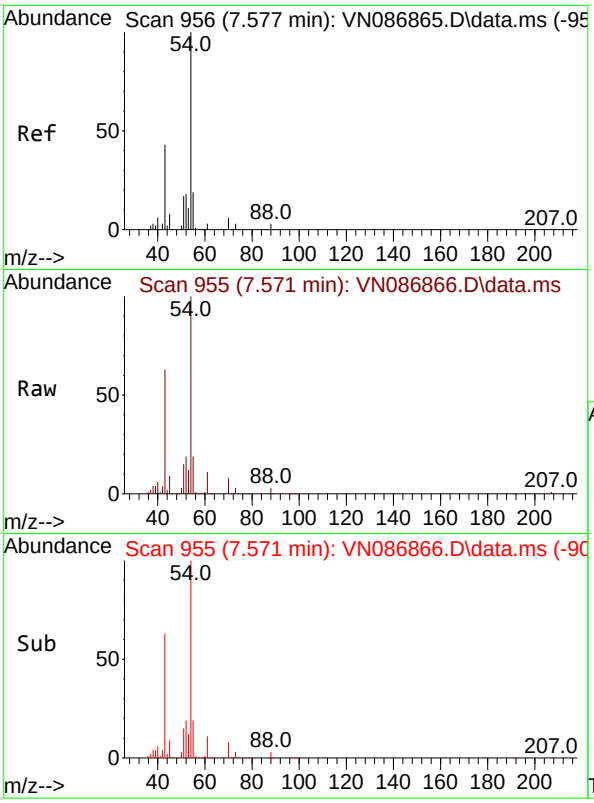


#36
1,1-Dichloropropene
Concen: 100.156 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 289907

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.1	25.3	37.9



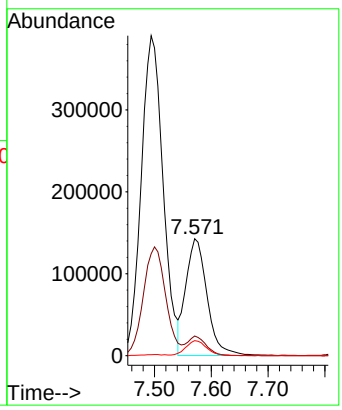


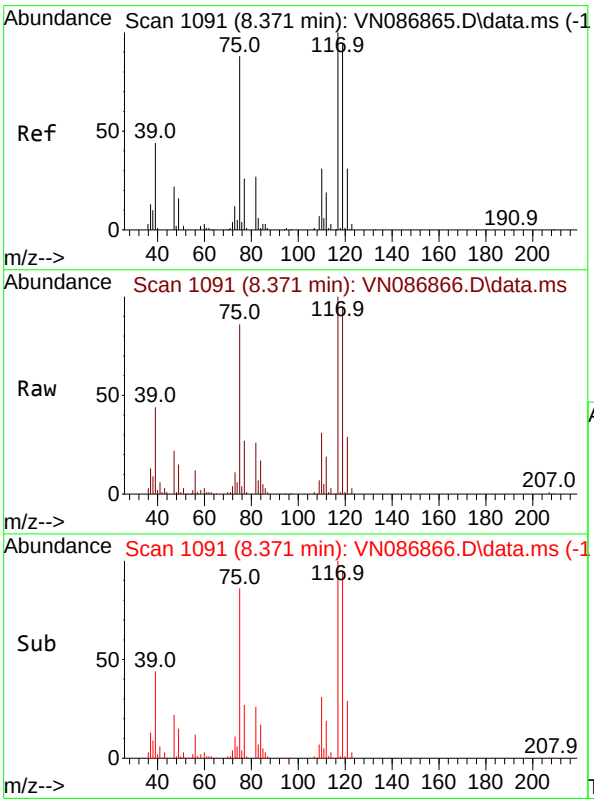
#37
Ethyl Acetate
Concen: 100.591 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 370652

Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	12.6	9.8	14.6

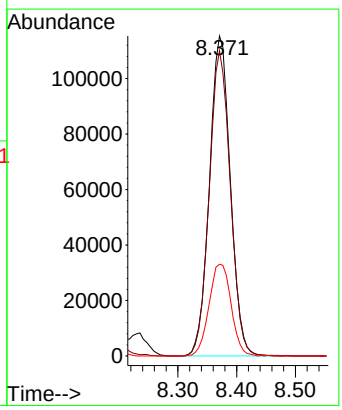


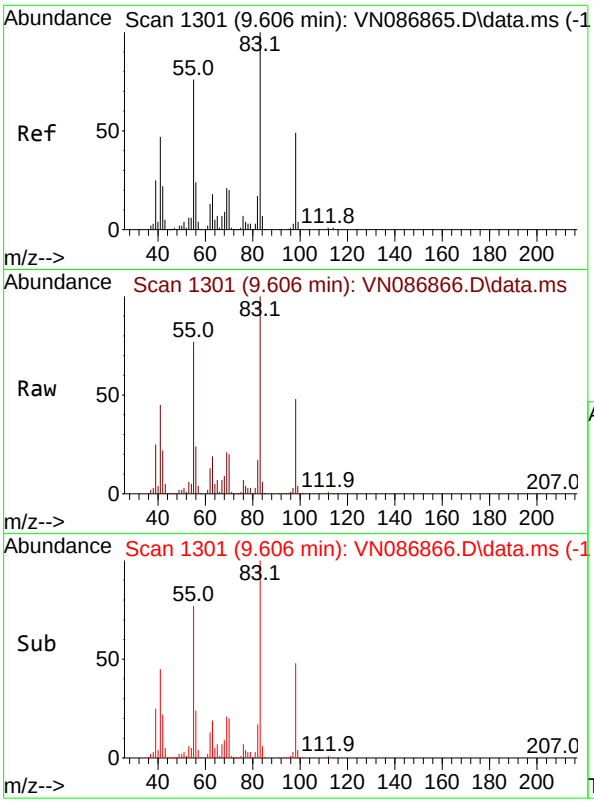


#38
Carbon Tetrachloride
Concen: 100.404 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 285325

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	28.6	24.9	37.3



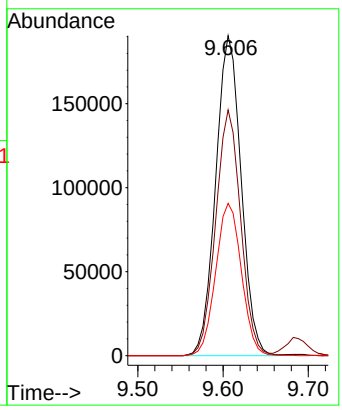


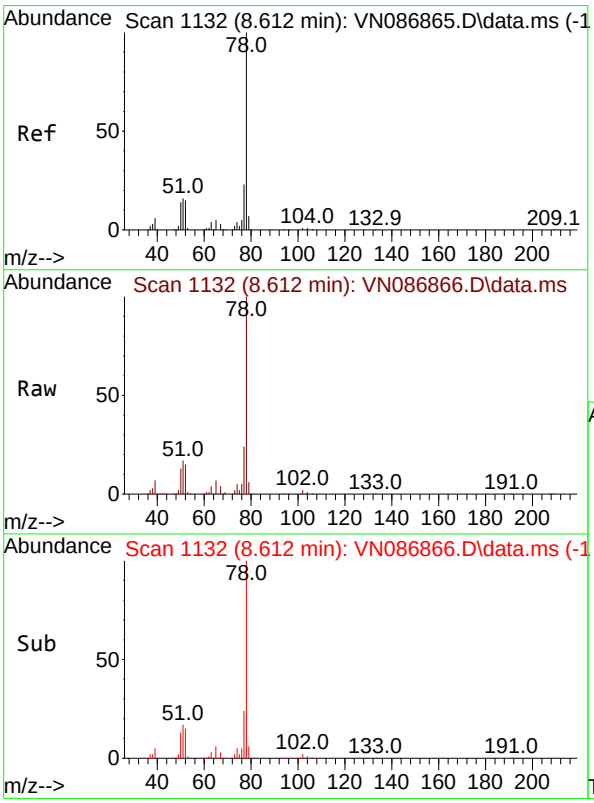
#39
Methylcyclohexane
Concen: 99.758 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 395603

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	47.6	38.9	58.3

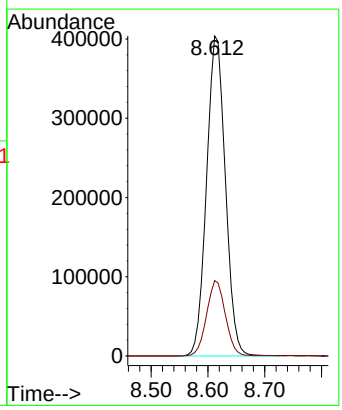


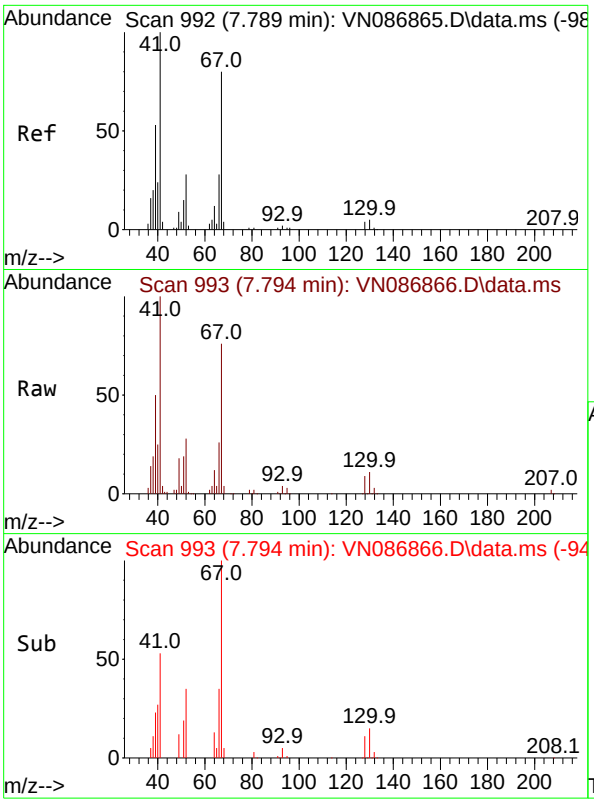


#40
Benzene
Concen: 97.946 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 78 Resp: 927083

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



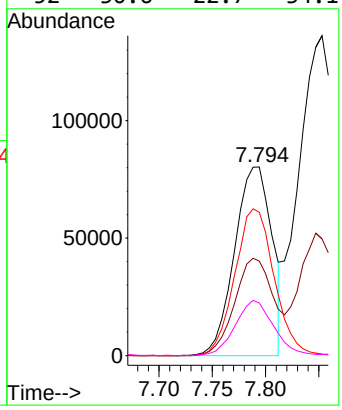


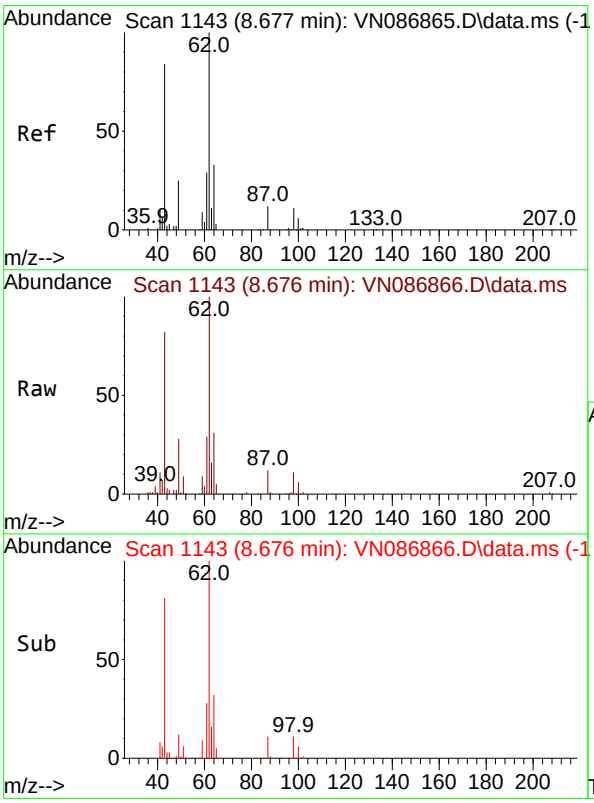
#41
Methacrylonitrile
Concen: 94.688 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 195946

Ion	Ratio	Lower	Upper
41	100		
39	54.3	41.2	61.8
67	82.5	61.4	92.2
52	30.6	22.7	34.1

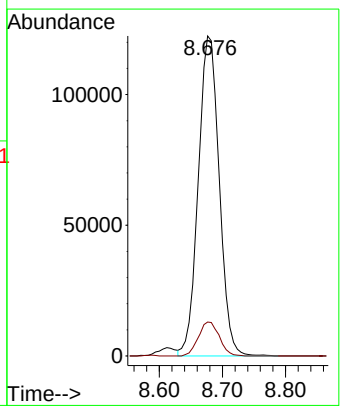


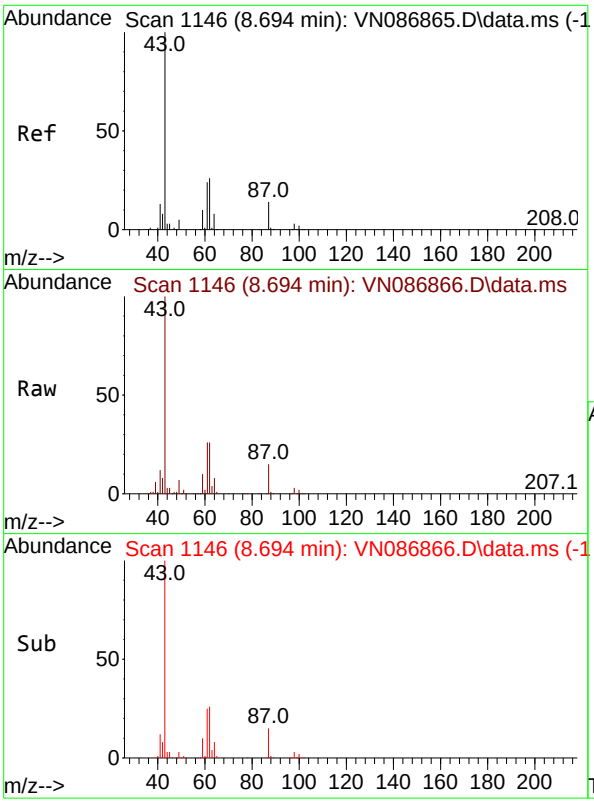


#42
1,2-Dichloroethane
Concen: 98.232 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 282015

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



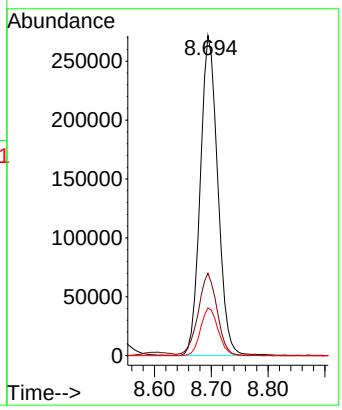


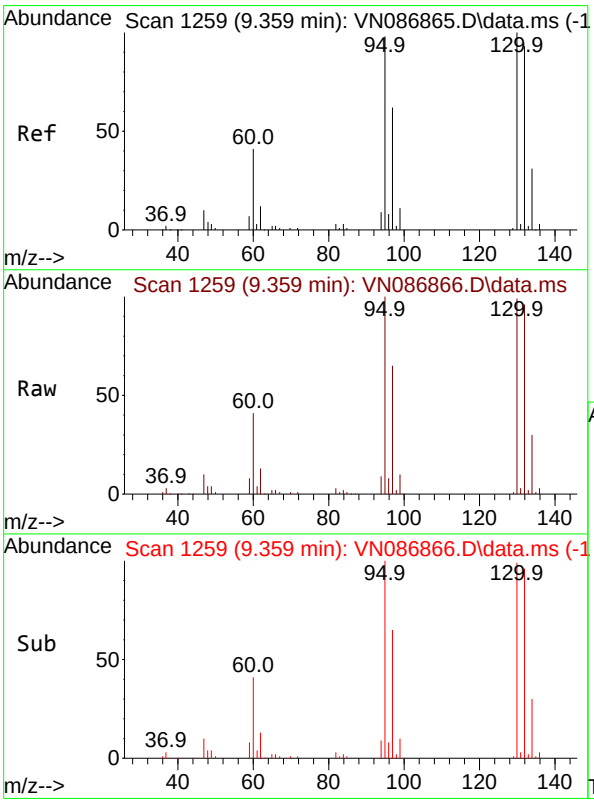
#43
Isopropyl Acetate
Concen: 97.981 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 579464

Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.1	33.1
87	15.0	11.8	17.6

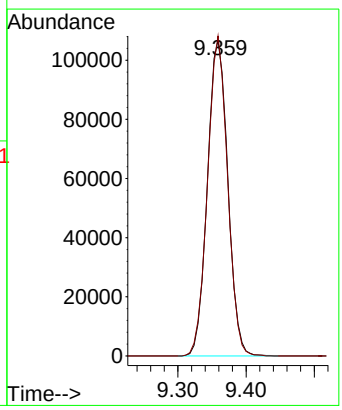


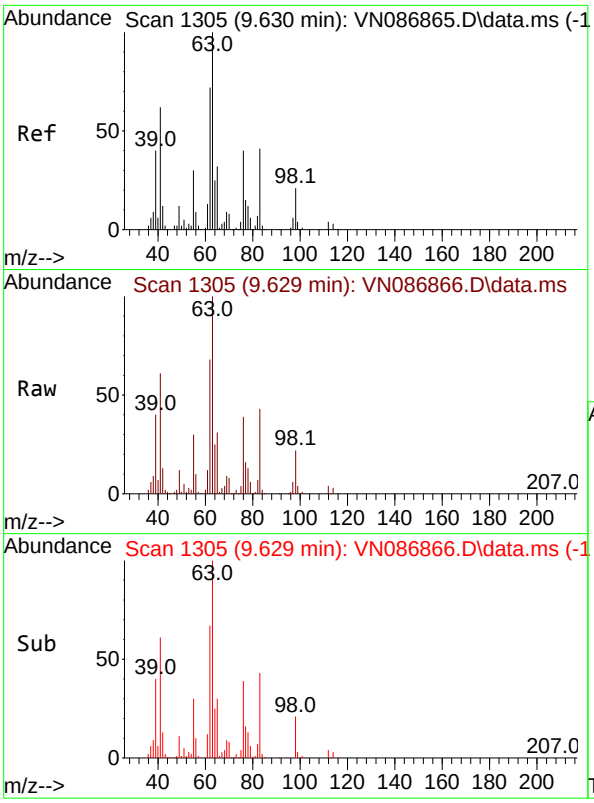


#44
Trichloroethene
Concen: 99.280 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:130 Resp: 222822

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	196.2



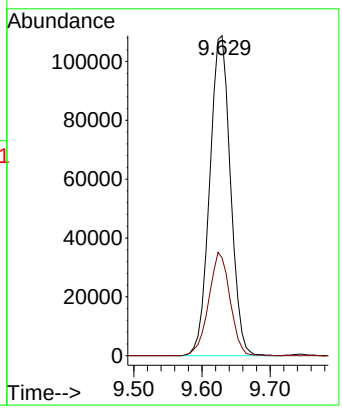


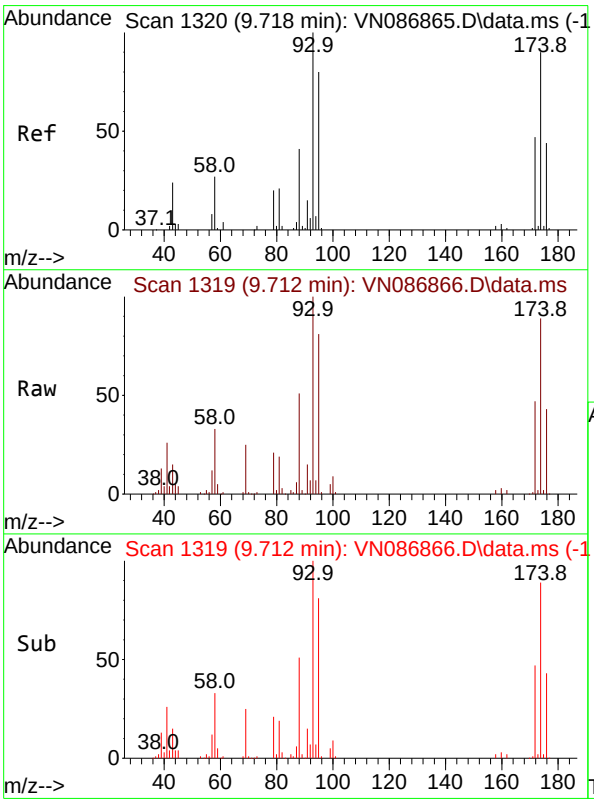
#45
1,2-Dichloropropane
Concen: 100.077 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 230454

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3

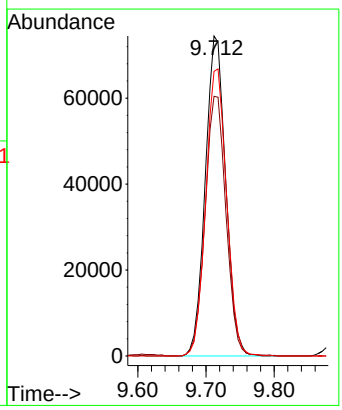


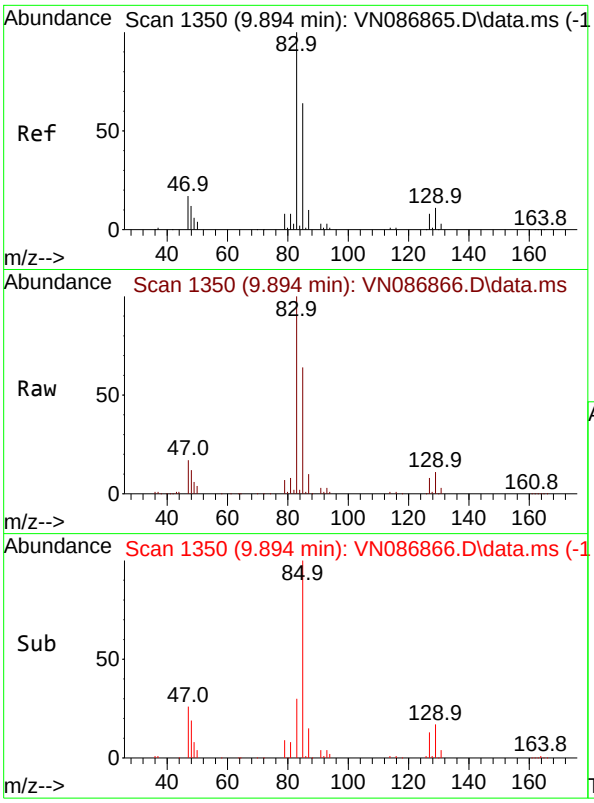


#46
Dibromomethane
Concen: 101.685 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 93 Resp: 155530

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.1	100.7
174	91.6	74.2	111.4



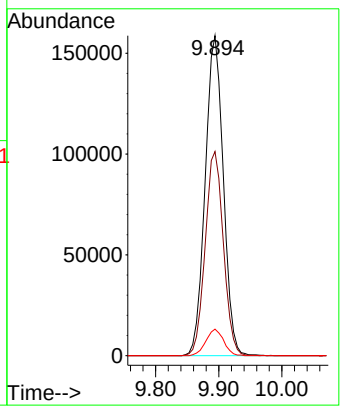


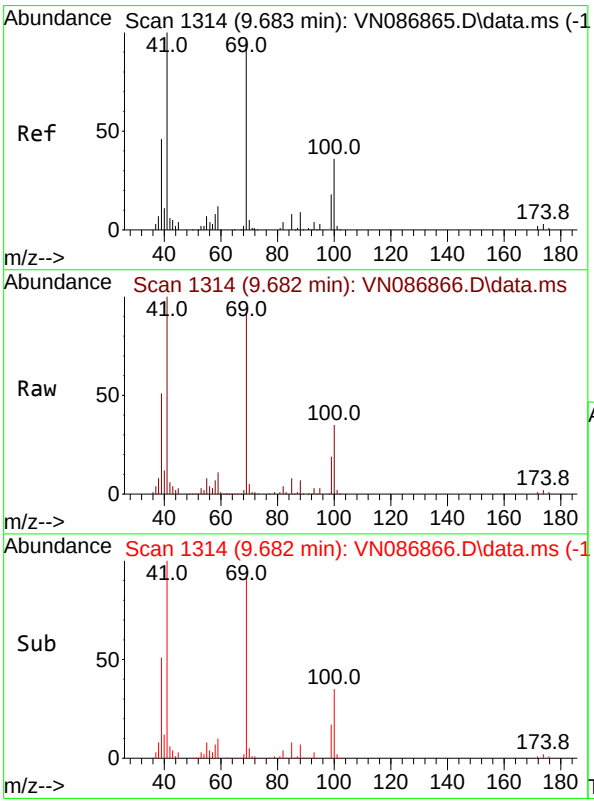
#47
Bromodichloromethane
Concen: 100.533 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 316375

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.3	6.6	10.0

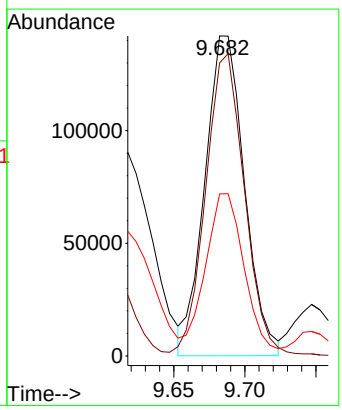


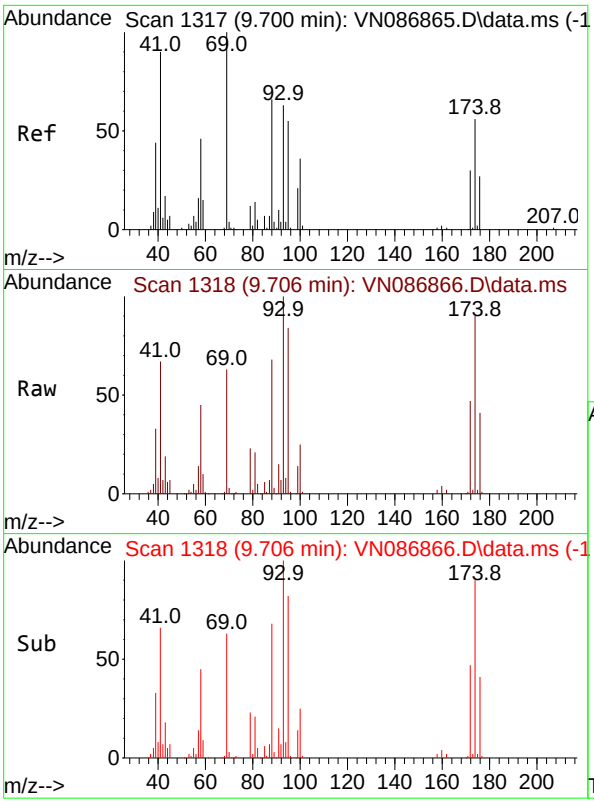


#48
Methyl methacrylate
Concen: 101.288 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 275710

Ion	Ratio	Lower	Upper
41	100		
69	92.4	74.6	112.0
39	50.1	40.2	60.4



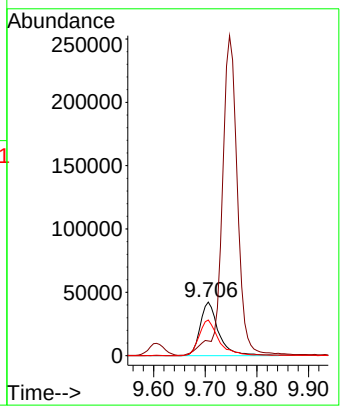


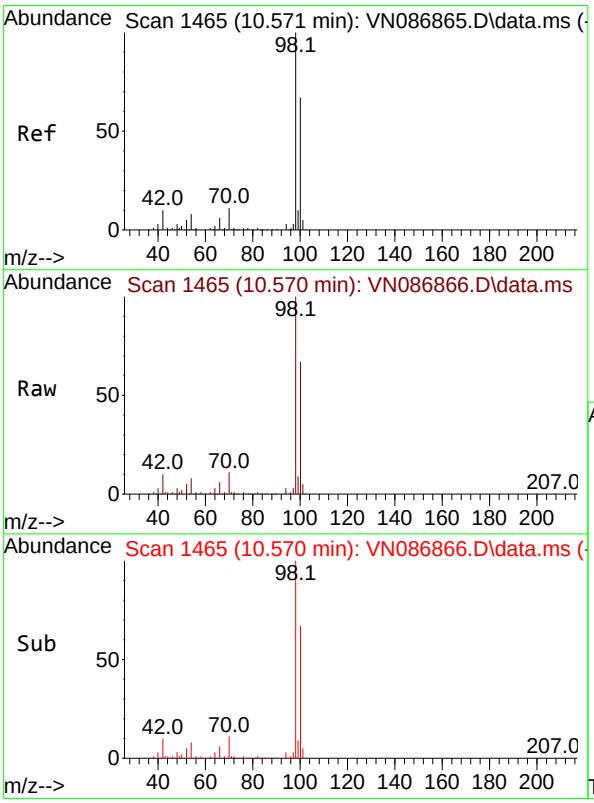
#49
1,4-Dioxane
Concen: 2115.744 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 104771

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.5	57.7	86.5

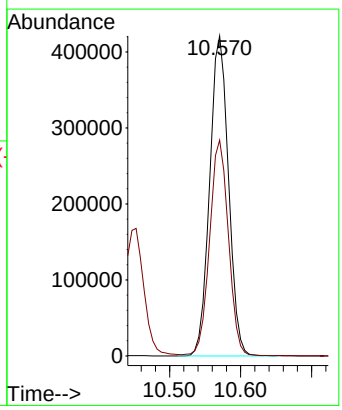


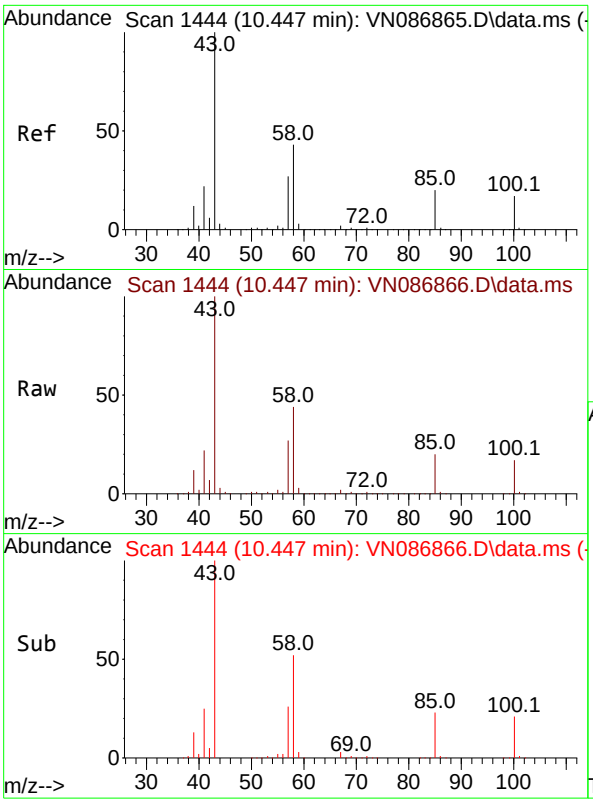


#50
Toluene-d8
Concen: 100.419 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 98 Resp: 772210

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0



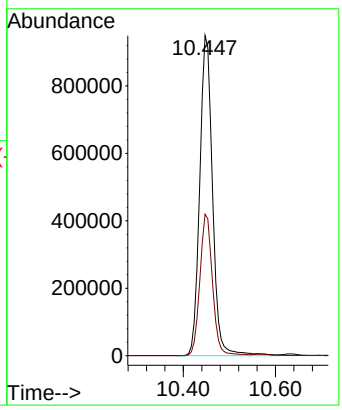


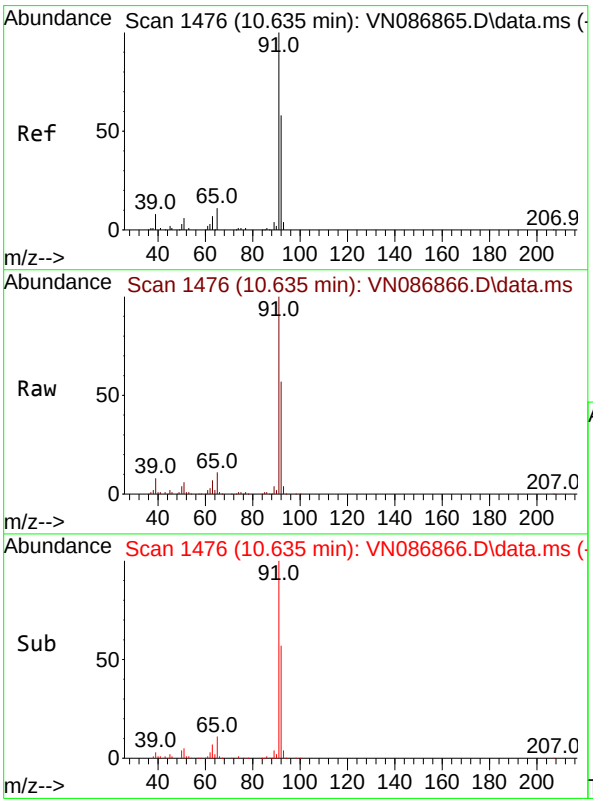
#51
4-Methyl-2-Pentanone
Concen: 517.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1843274

Ion	Ratio	Lower	Upper
43	100		
58	43.6	34.2	51.4

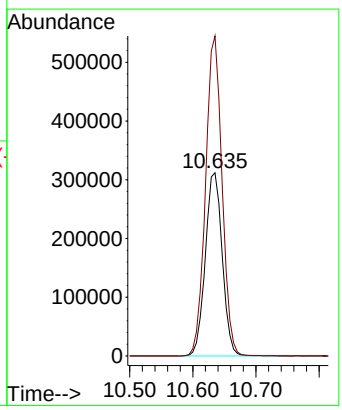


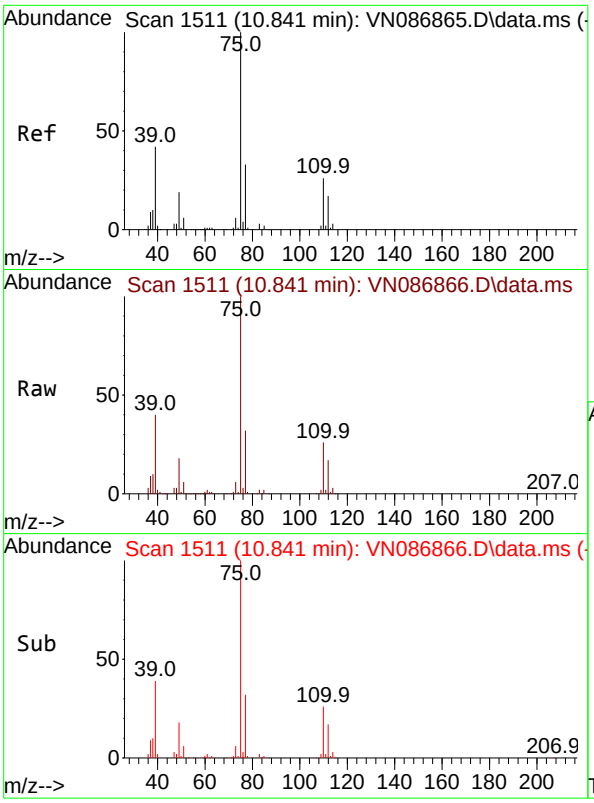


#52
Toluene
Concen: 100.092 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 92 Resp: 578978

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7



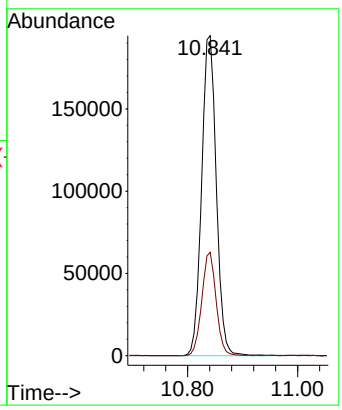


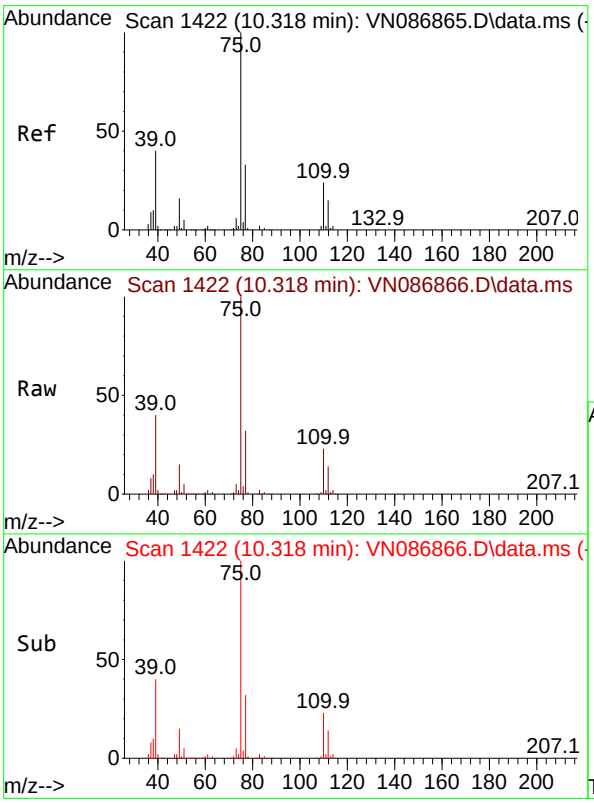
#53
t-1,3-Dichloropropene
Concen: 102.077 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 359200

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

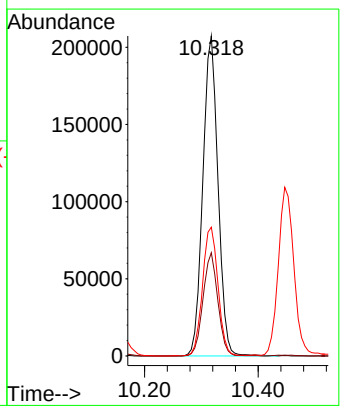


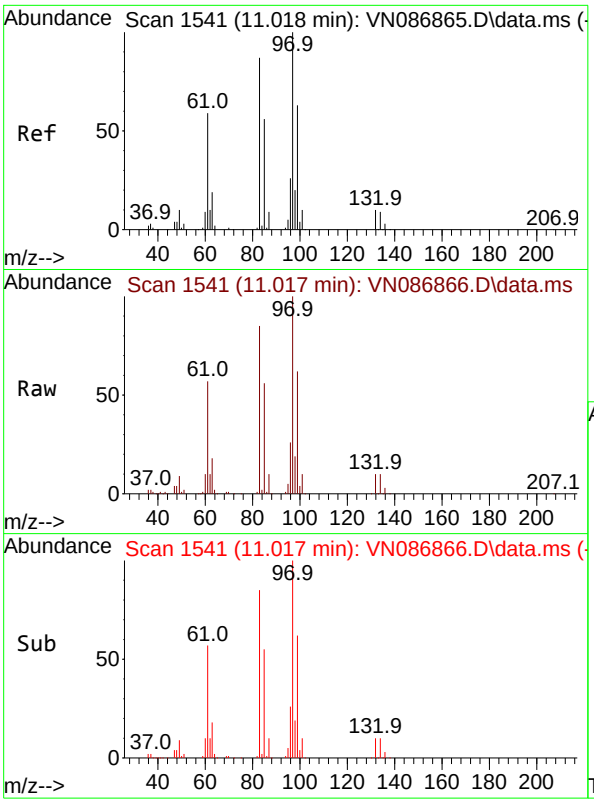


#54
cis-1,3-Dichloropropene
Concen: 101.730 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 383030

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4
39	40.1	32.3	48.5



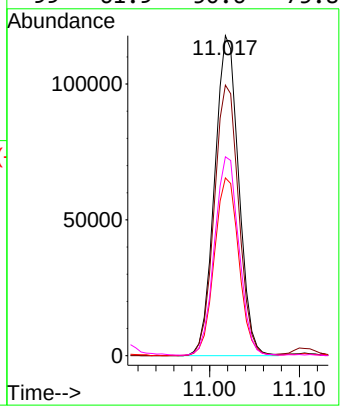


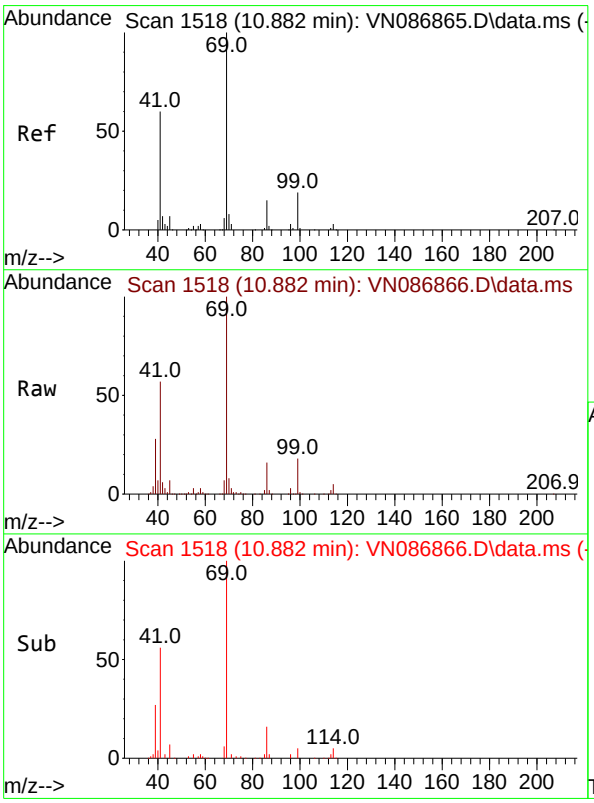
#55
1,1,2-Trichloroethane
Concen: 98.808 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 219922

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.7	104.5
85	55.6	45.1	67.7
99	61.9	50.6	75.8

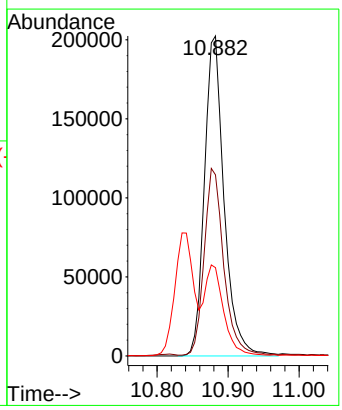


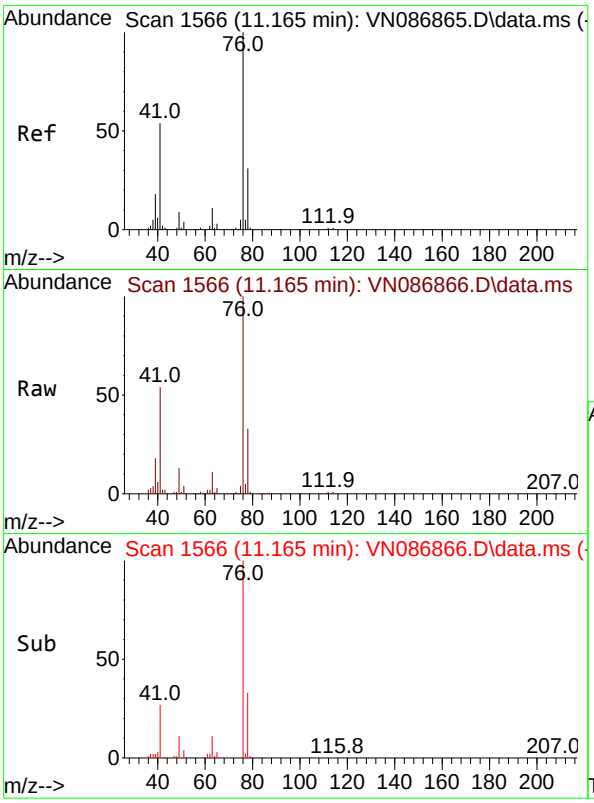


#56
Ethyl methacrylate
Concen: 109.955 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 69 Resp: 389802

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.2	70.8
39	27.5	23.0	34.6



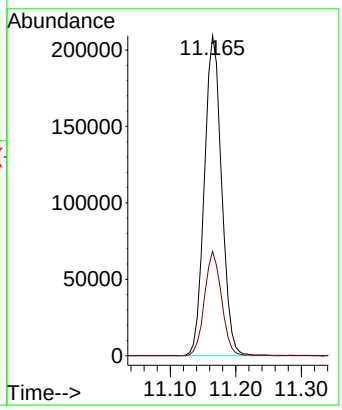


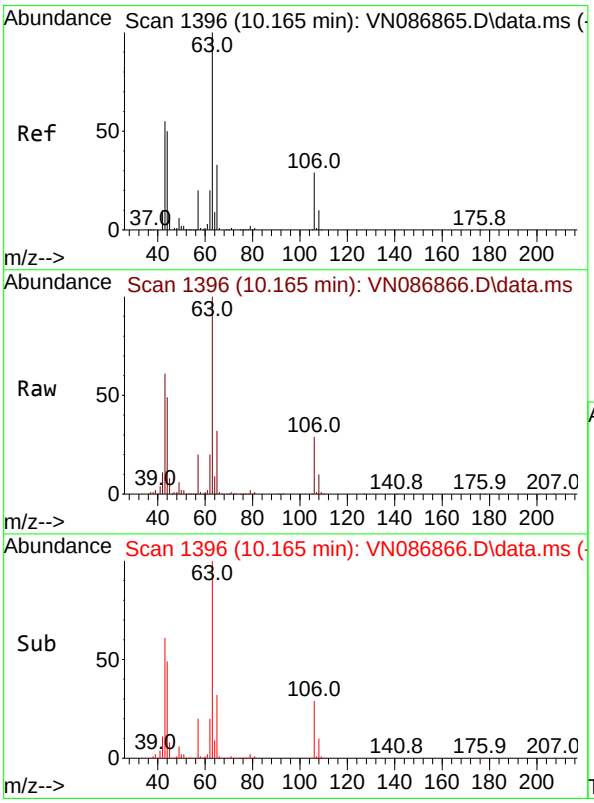
#57
1,3-Dichloropropane
Concen: 99.069 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 382510

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9

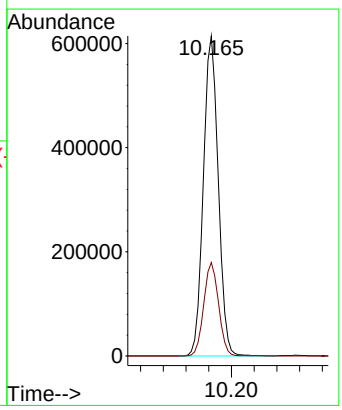


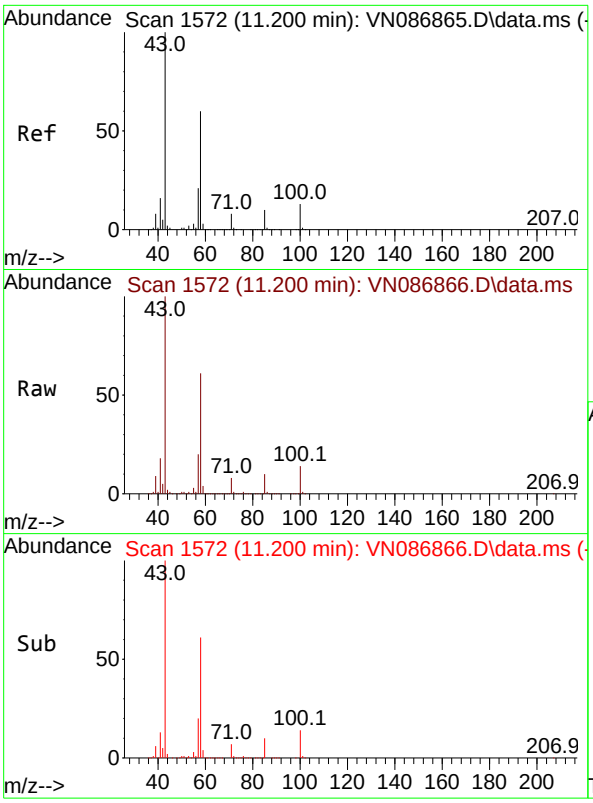


#58
2-Chloroethyl Vinyl ether
Concen: 526.621 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 1113523

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



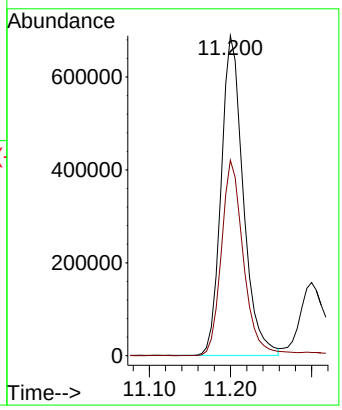


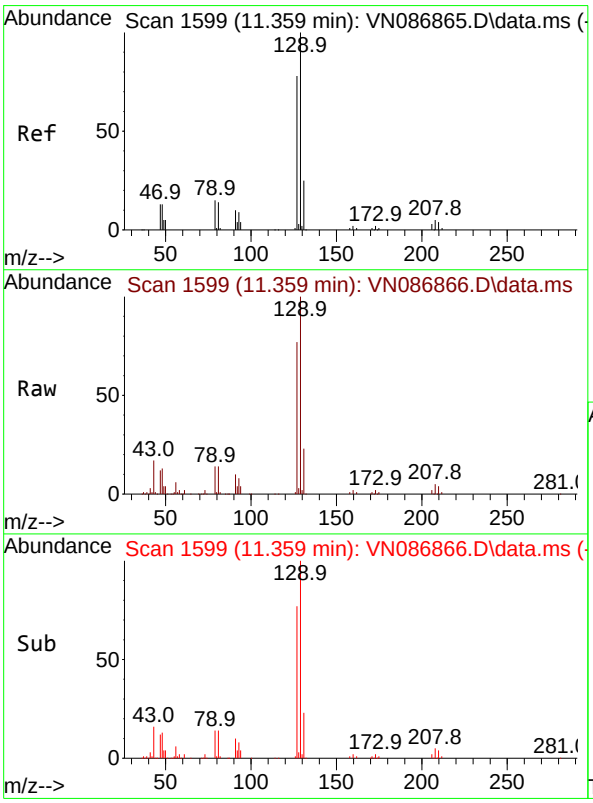
#59
2-Hexanone
Concen: 567.535 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1301539

Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.4	91.3

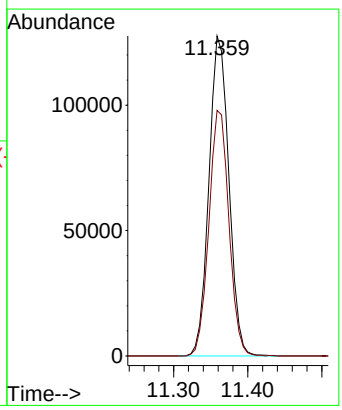


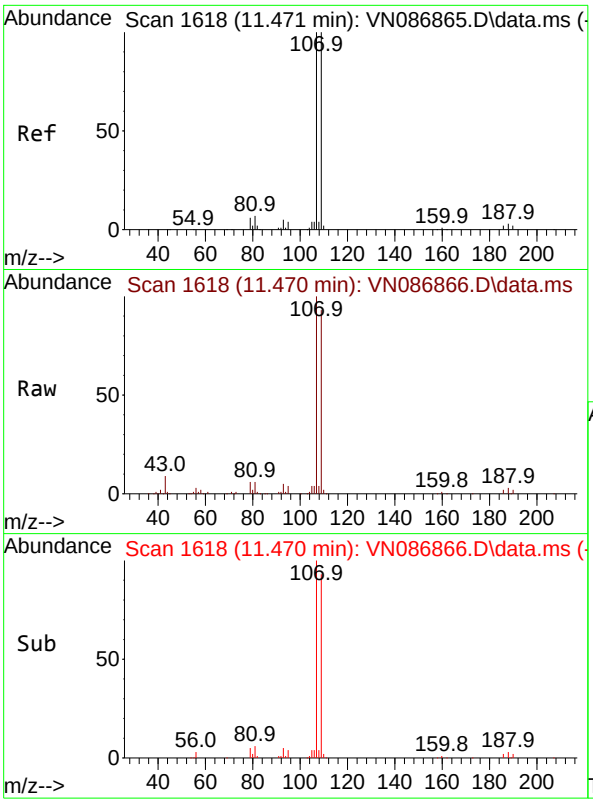


#60
Dibromochloromethane
Concen: 102.616 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:129 Resp: 237965

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



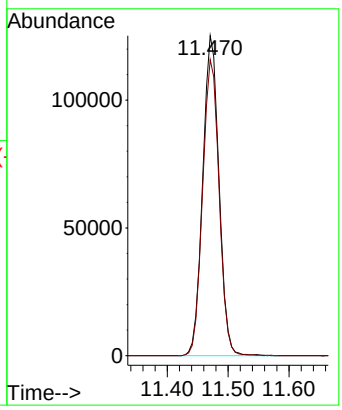


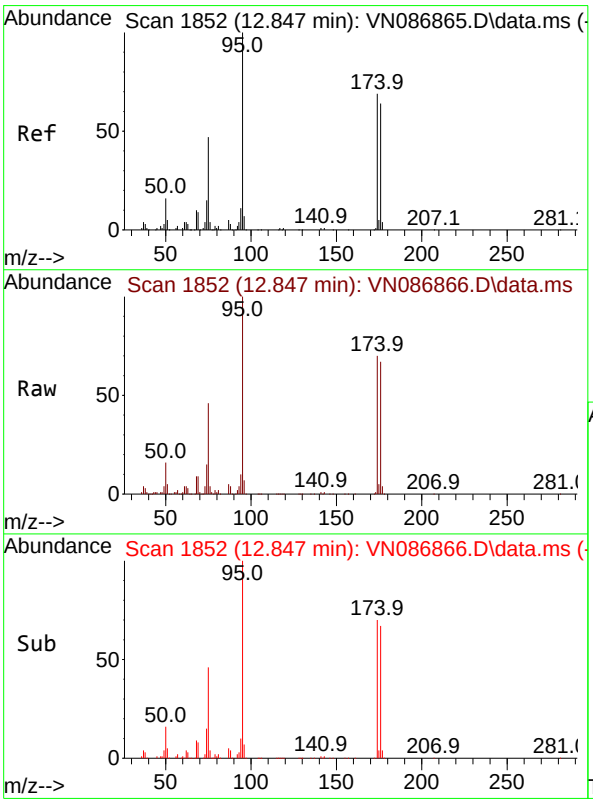
#61
1,2-Dibromoethane
Concen: 101.787 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 232214

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.3	114.5

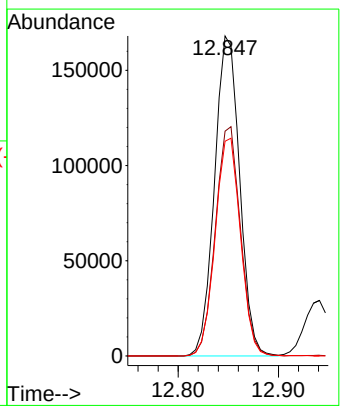


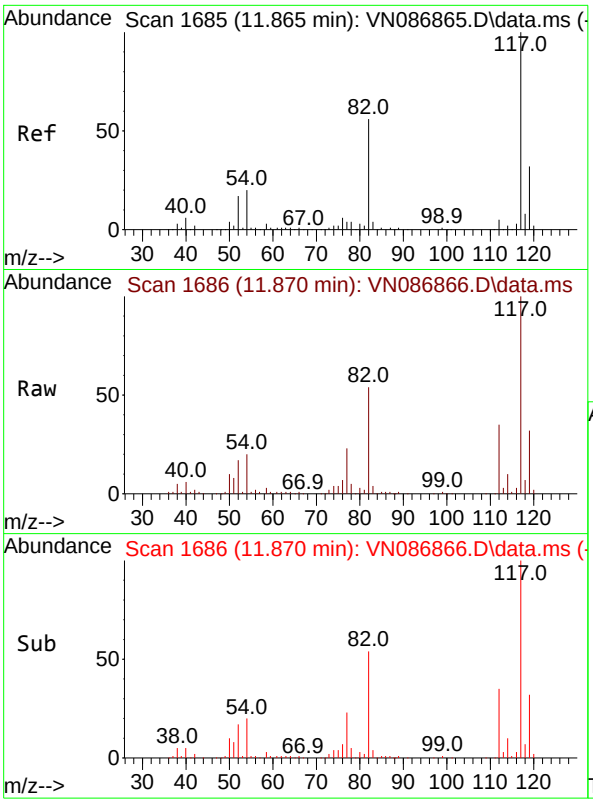


#62
4-Bromofluorobenzene
Concen: 102.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 95 Resp: 292385

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.6	0.0	132.6



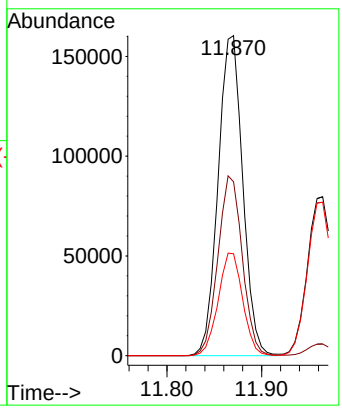


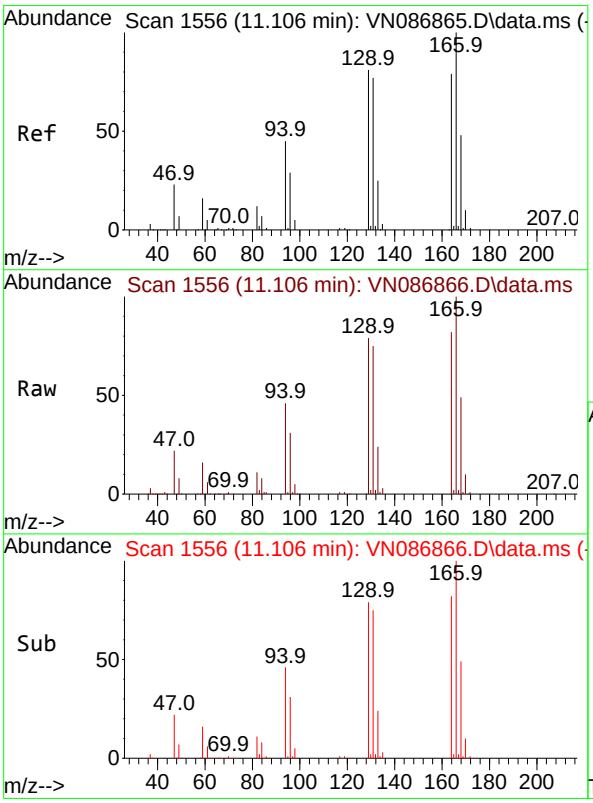
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 290313

Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	67.0
119	31.9	25.5	38.3

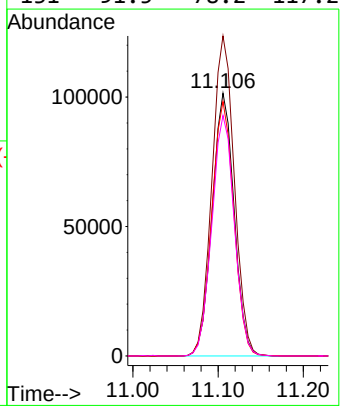


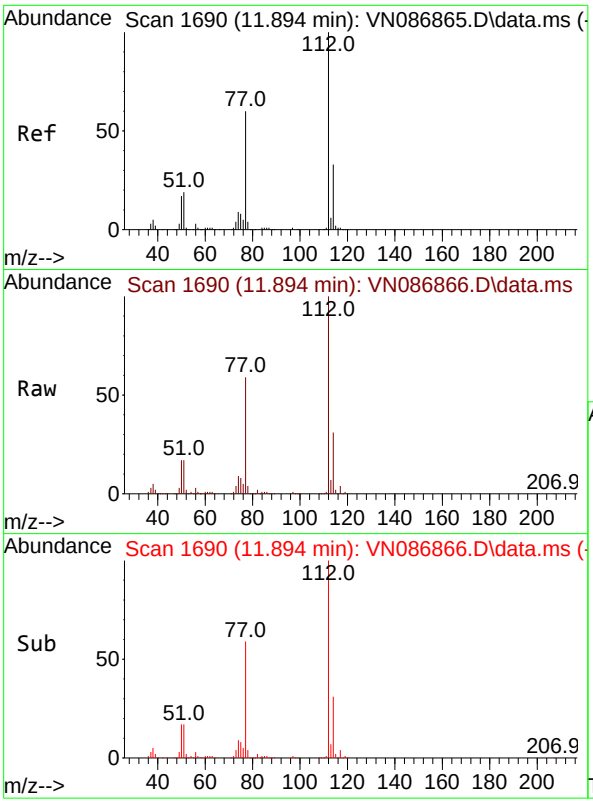


#64
Tetrachloroethene
Concen: 98.824 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:164 Resp: 181568

Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.8	152.8
129	96.8	83.0	124.4
131	91.5	78.2	117.2



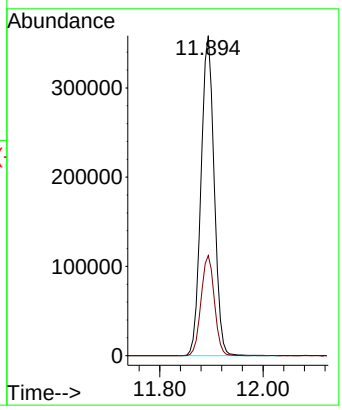


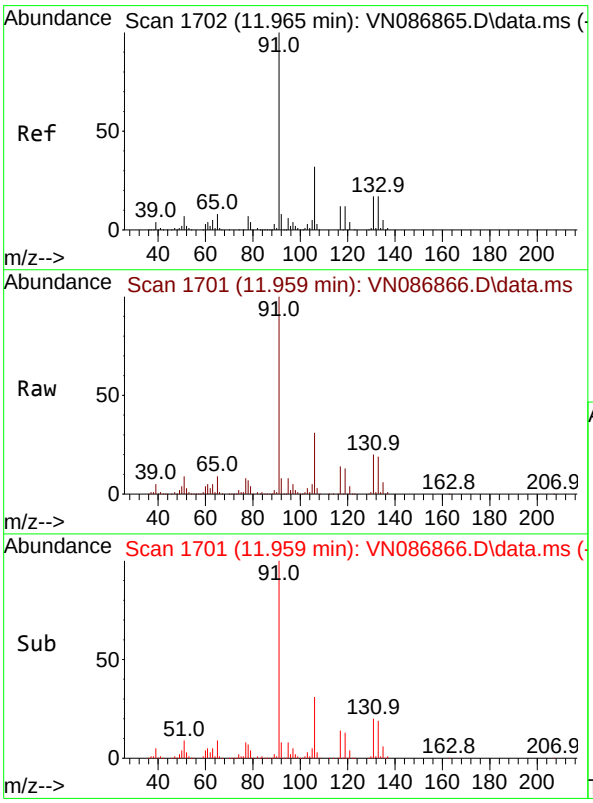
#65
Chlorobenzene
Concen: 98.793 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 632563

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2

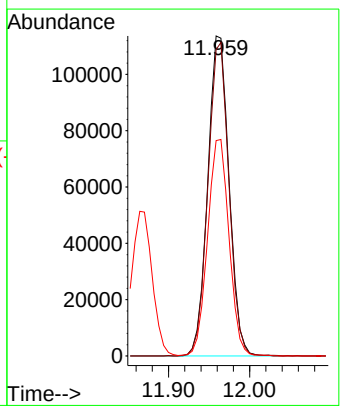


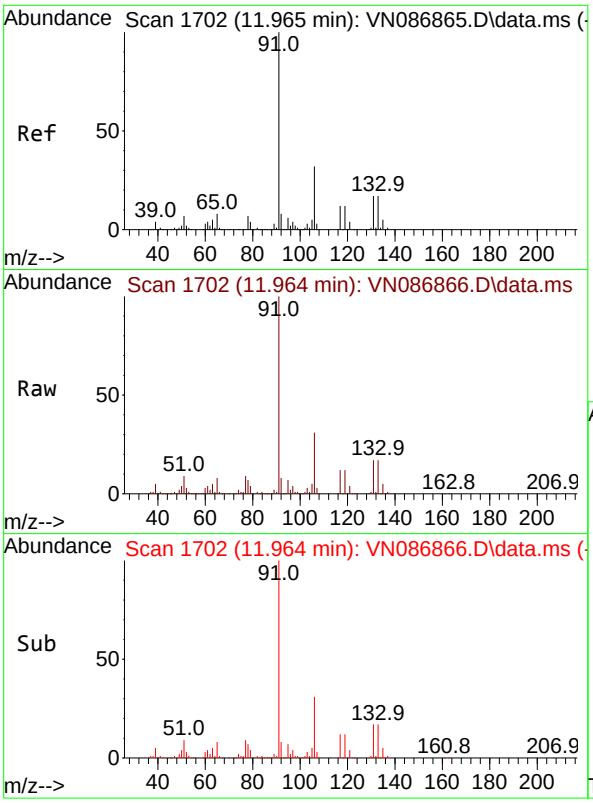


#66
1,1,1,2-Tetrachloroethane
Concen: 100.521 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:131 Resp: 206895

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	68.2	34.0	101.8



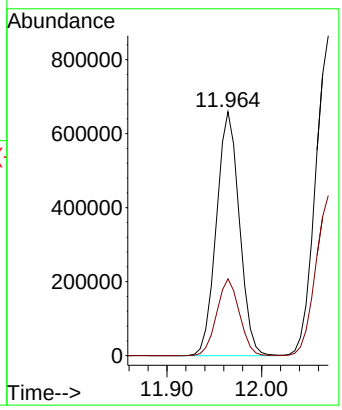


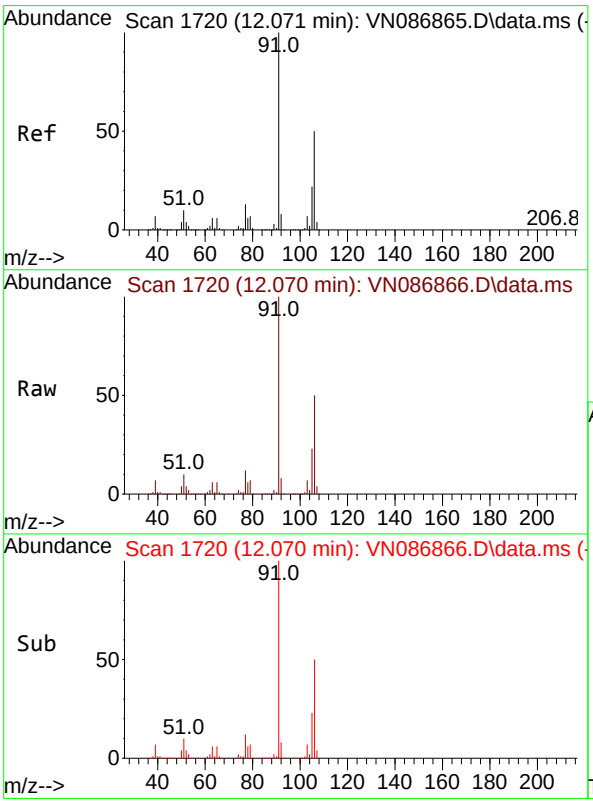
#67
Ethyl Benzene
Concen: 100.717 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1110803

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2

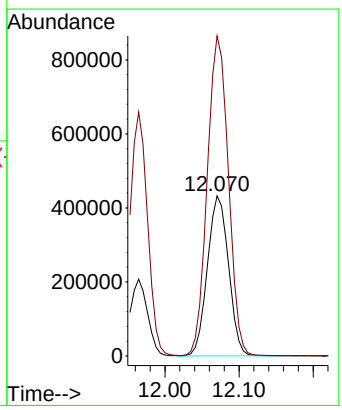


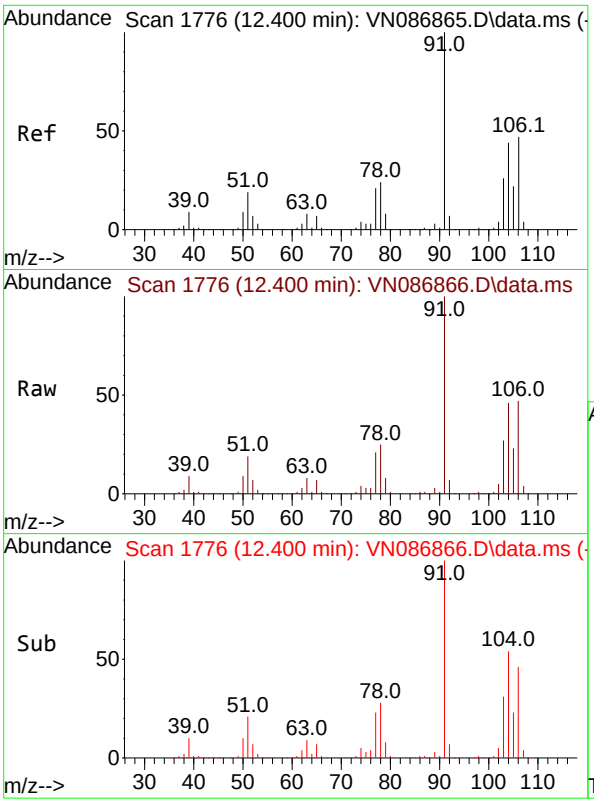


#68
m/p-Xylenes
Concen: 202.411 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:106 Resp: 854557

Ion	Ratio	Lower	Upper
106	100		
91	200.4	159.4	239.0



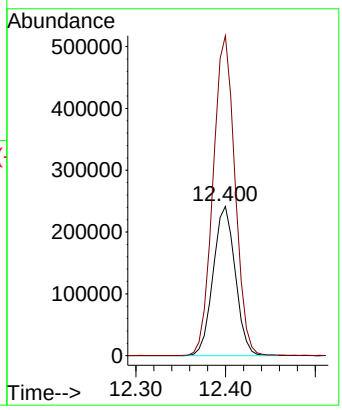


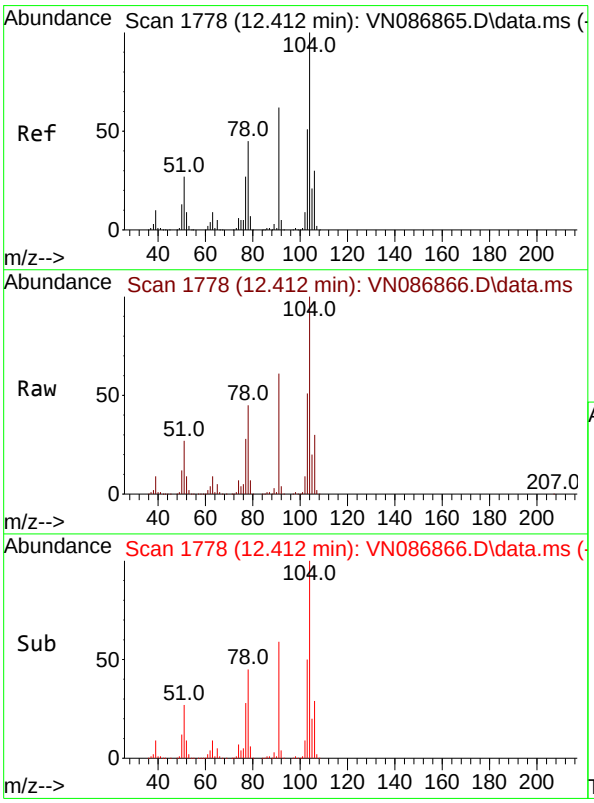
#69
o-Xylene
Concen: 102.070 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 412719

Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

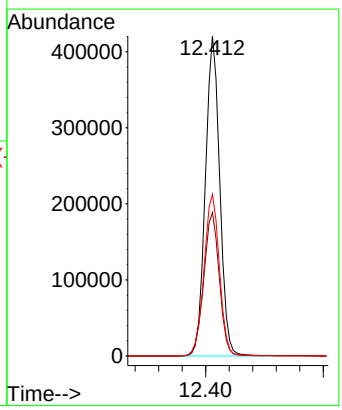


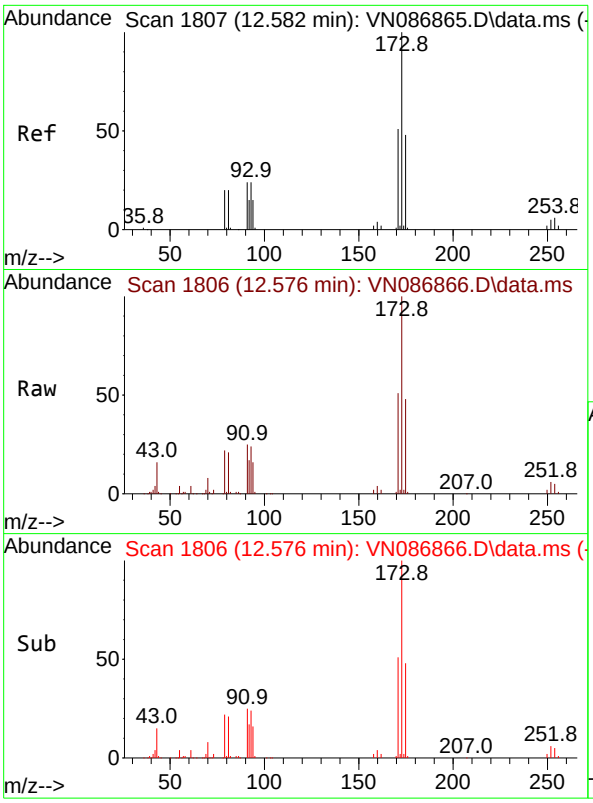


#70
Styrene
Concen: 103.127 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:104 Resp: 713548

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7



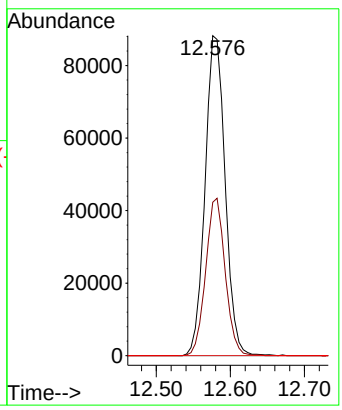


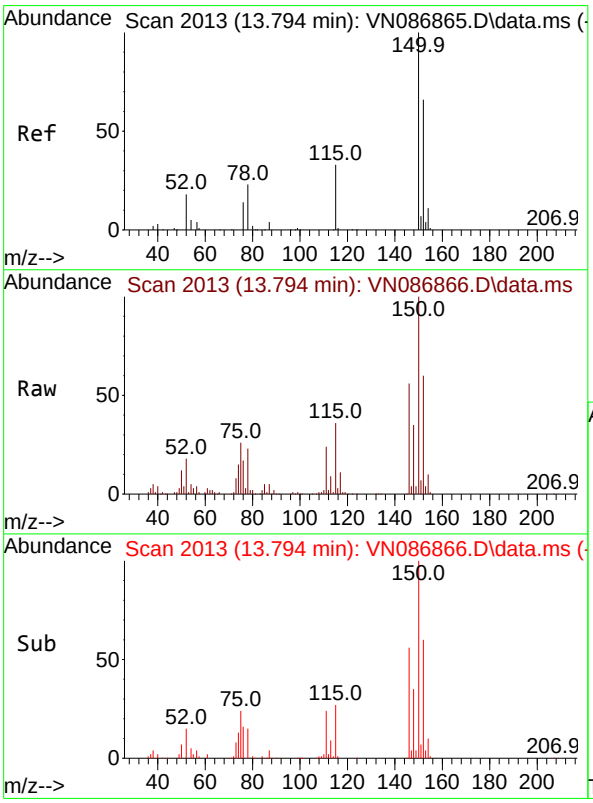
#71
Bromoform
Concen: 108.707 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 165781

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0

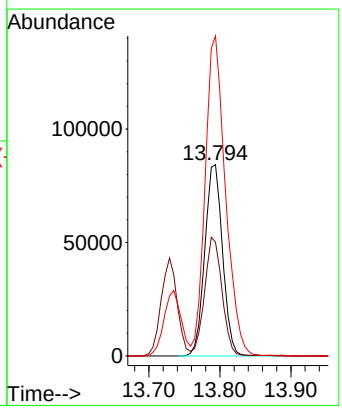


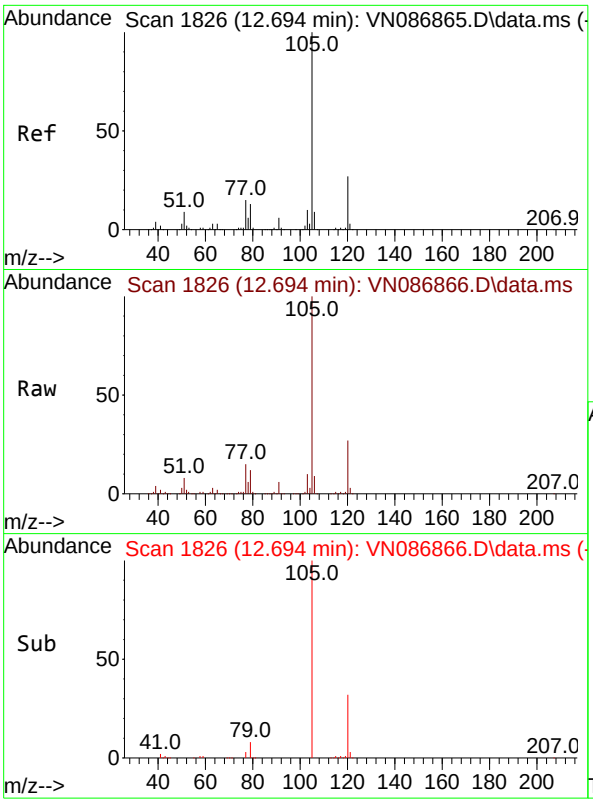


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:152 Resp: 147098

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	190.4	0.0	345.0



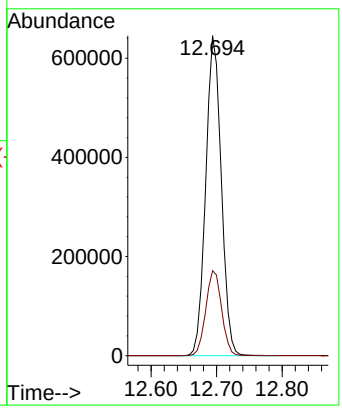


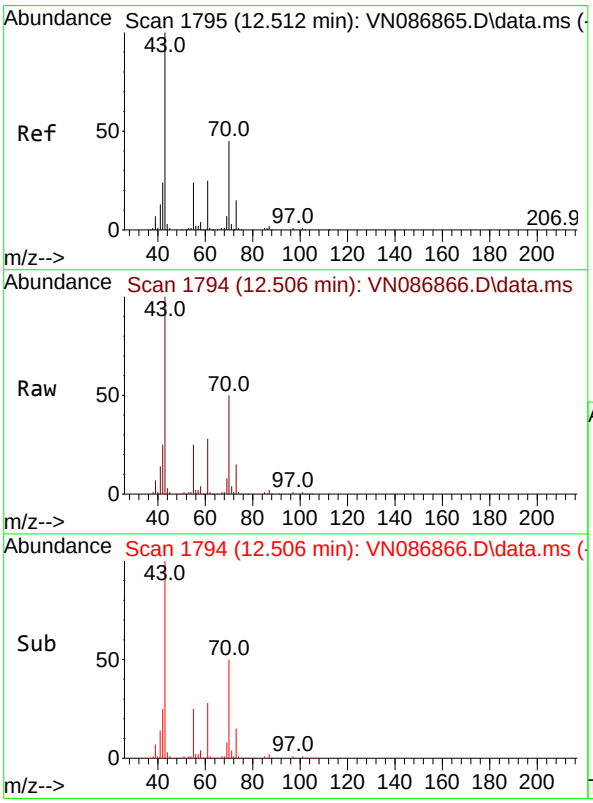
#73
Isopropylbenzene
Concen: 99.410 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1065297

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

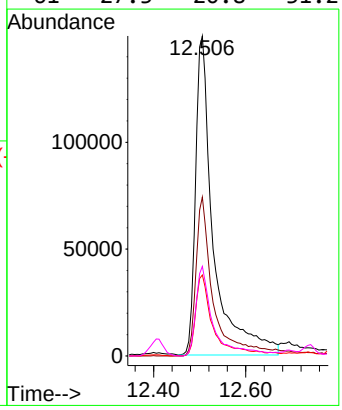


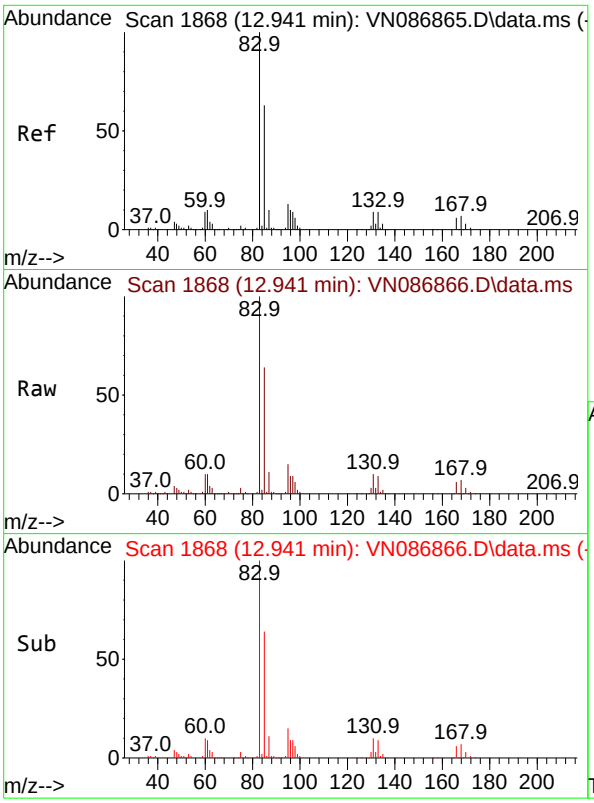


#74
N-amyl acetate
Concen: 113.475 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 403587

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	25.0	19.0	28.6
61	27.3	20.8	31.2



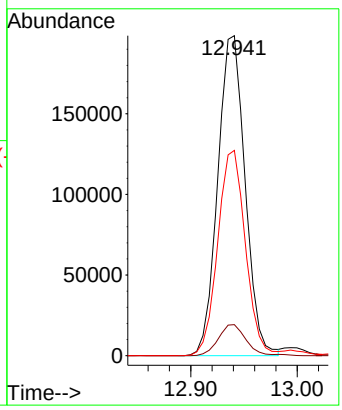


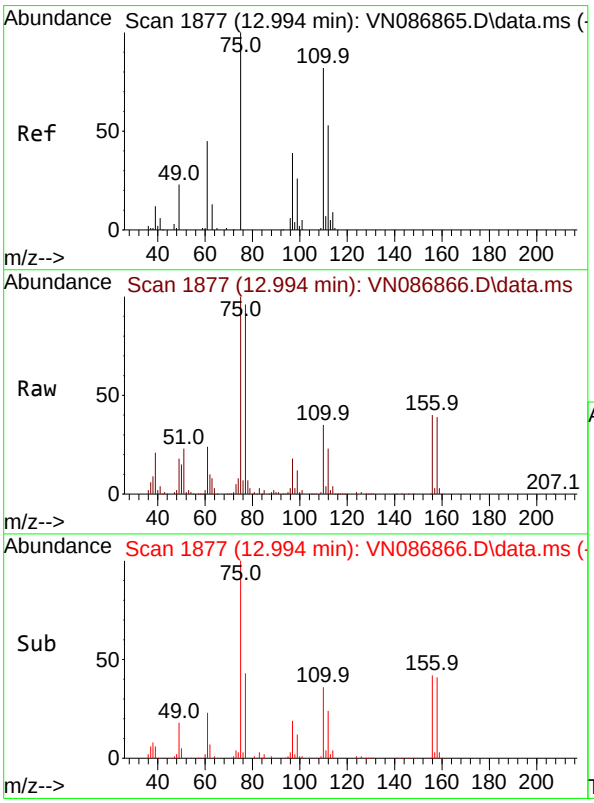
#75
1,1,2,2-Tetrachloroethane
Concen: 97.616 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 354386

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.9	32.0	96.0

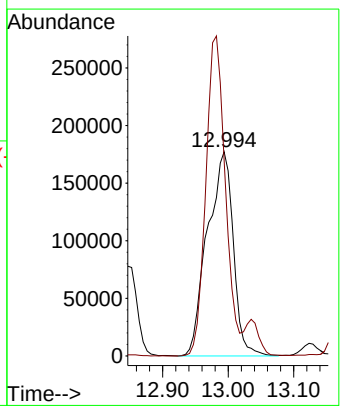


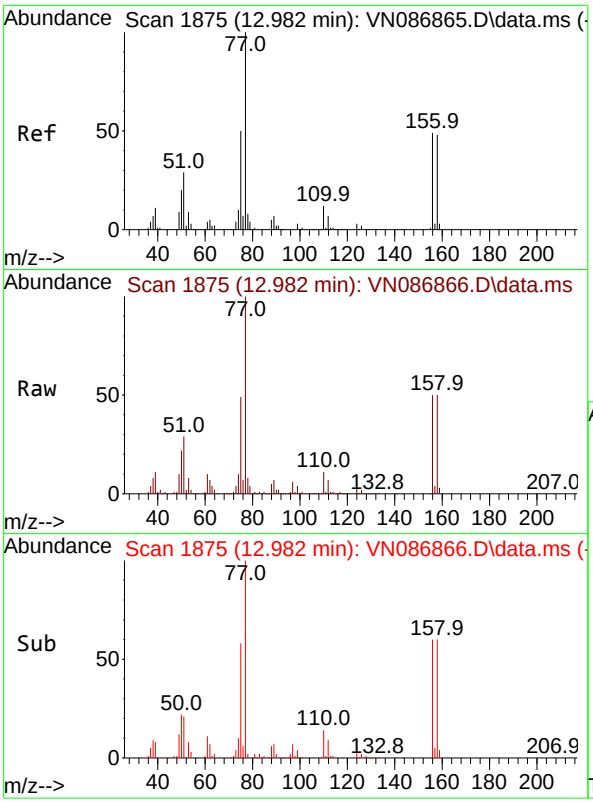


#76
1,2,3-Trichloropropane
Concen: 138.300 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 485083

Ion	Ratio	Lower	Upper
75	100		
77	118.2	79.3	237.9



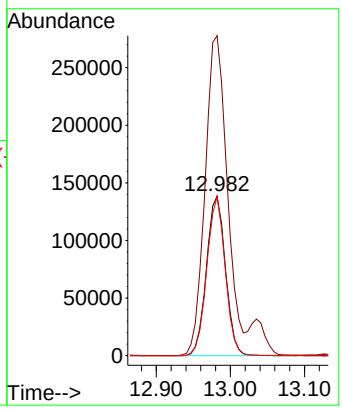


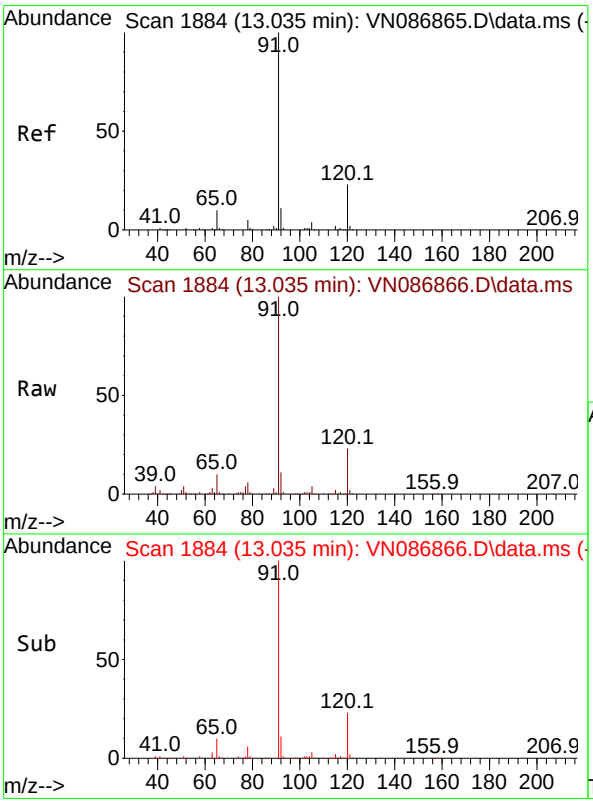
#77
Bromobenzene
Concen: 100.266 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 246413

Ion	Ratio	Lower	Upper
156	100		
77	232.6	117.7	353.1
158	96.4	48.1	144.4

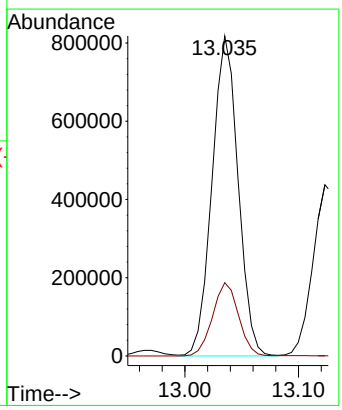


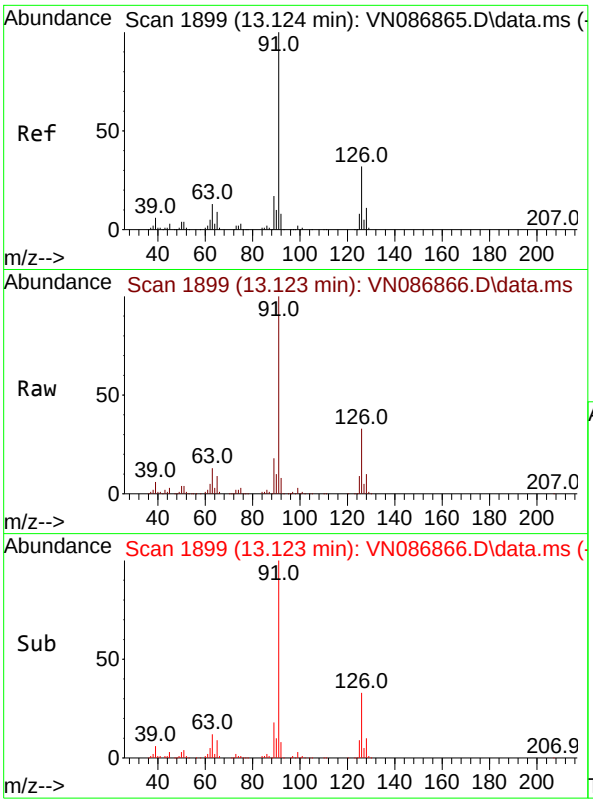


#78
n-propylbenzene
Concen: 99.948 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 1301631

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



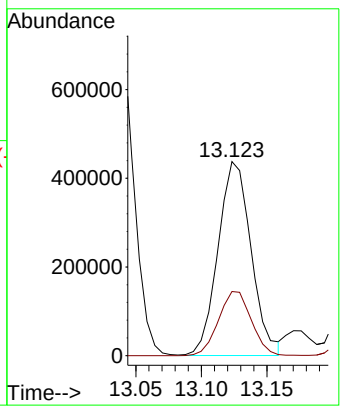


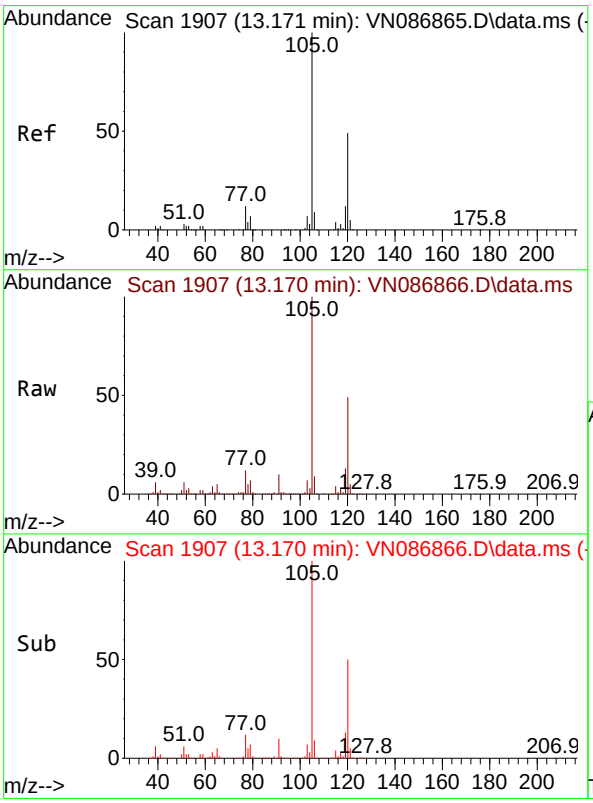
#79
2-Chlorotoluene
Concen: 98.630 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 770308

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

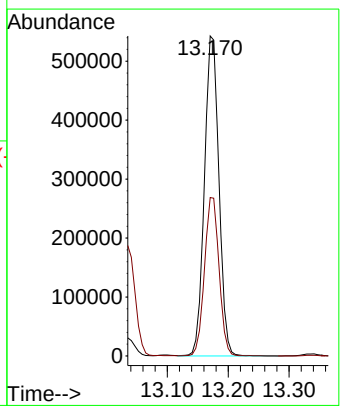


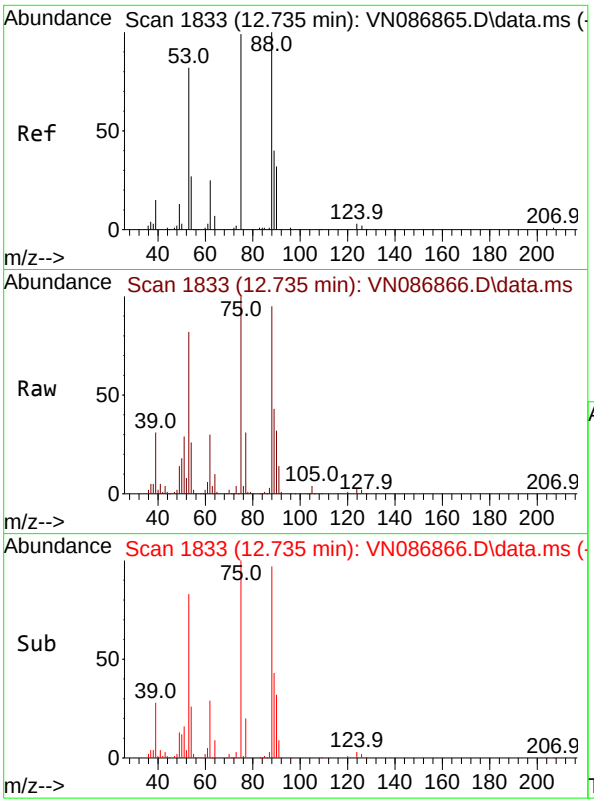


#80
1,3,5-Trimethylbenzene
Concen: 101.873 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 901317

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6



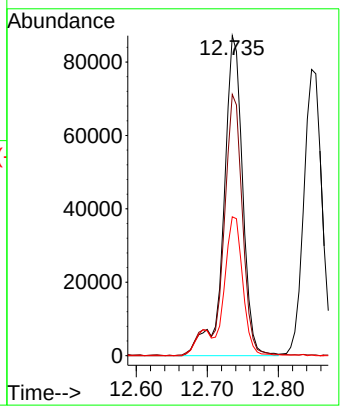


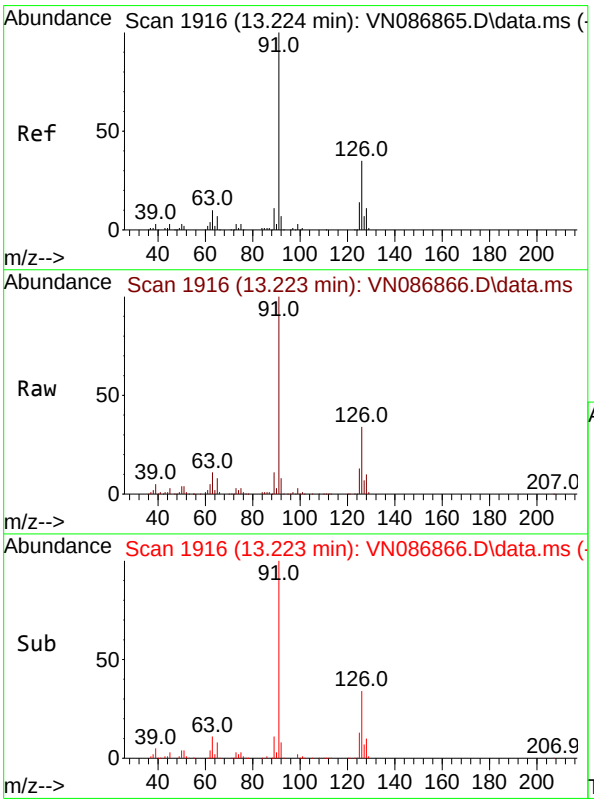
#81
trans-1,4-Dichloro-2-butene
Concen: 105.820 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 160736

Ion	Ratio	Lower	Upper
75	100		
53	76.0	66.6	99.8
89	41.1	36.7	55.1

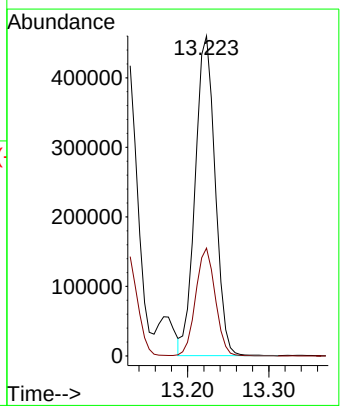


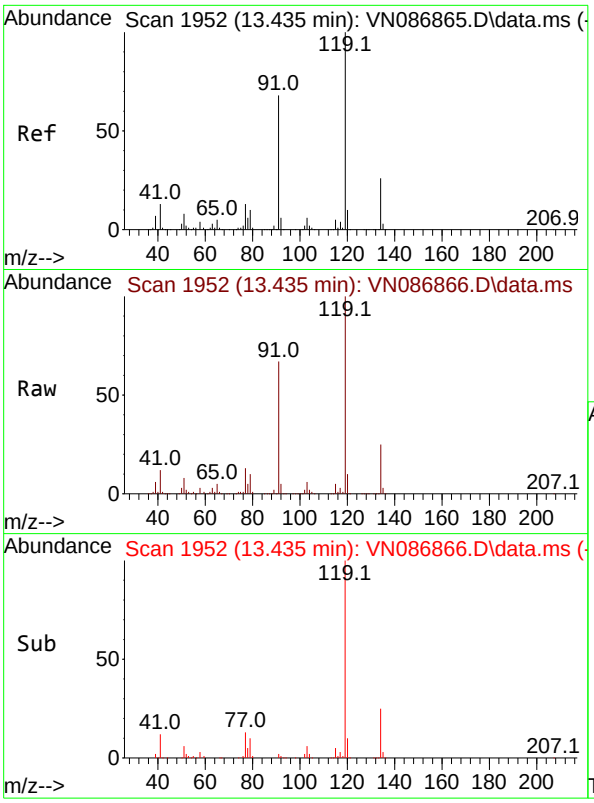


#82
4-Chlorotoluene
Concen: 99.166 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 783657

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1



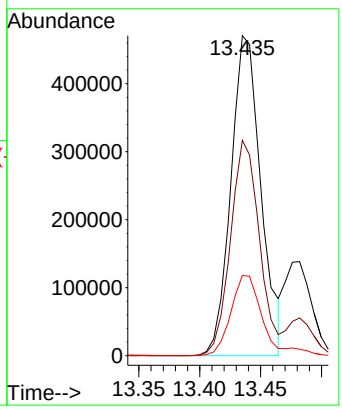


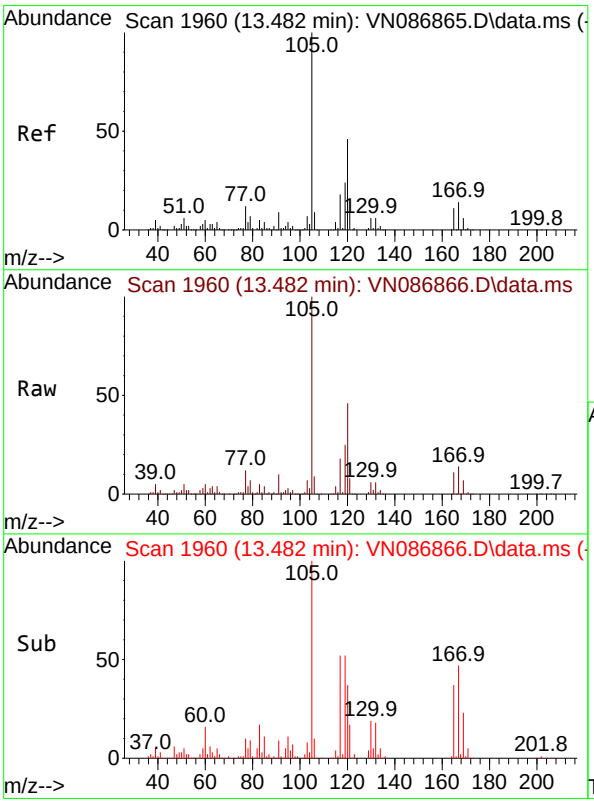
#83
tert-Butylbenzene
Concen: 99.710 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 807528

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.5
134	26.6	13.4	40.1

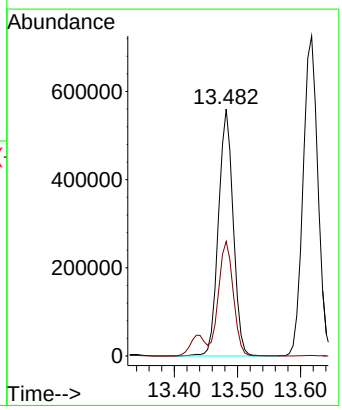


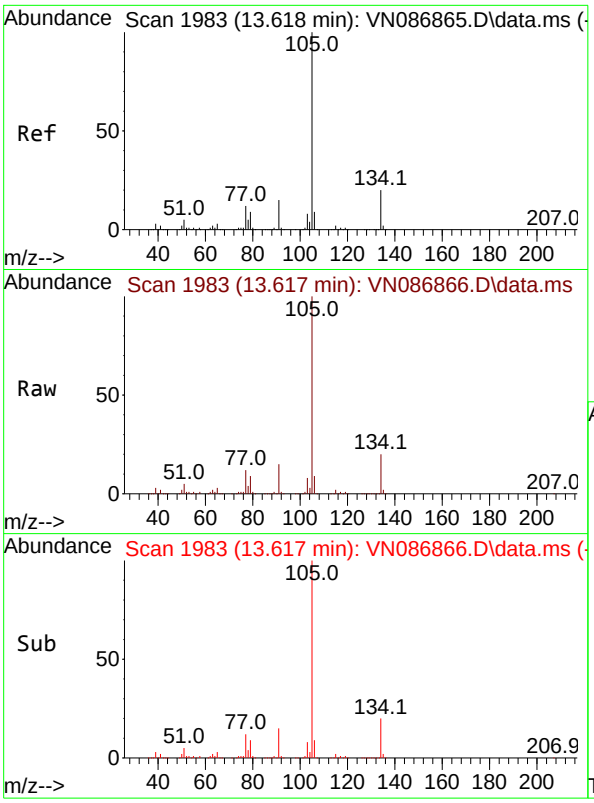


#84
1,2,4-Trimethylbenzene
Concen: 101.983 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 904794

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



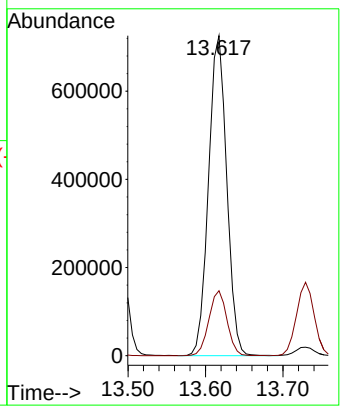


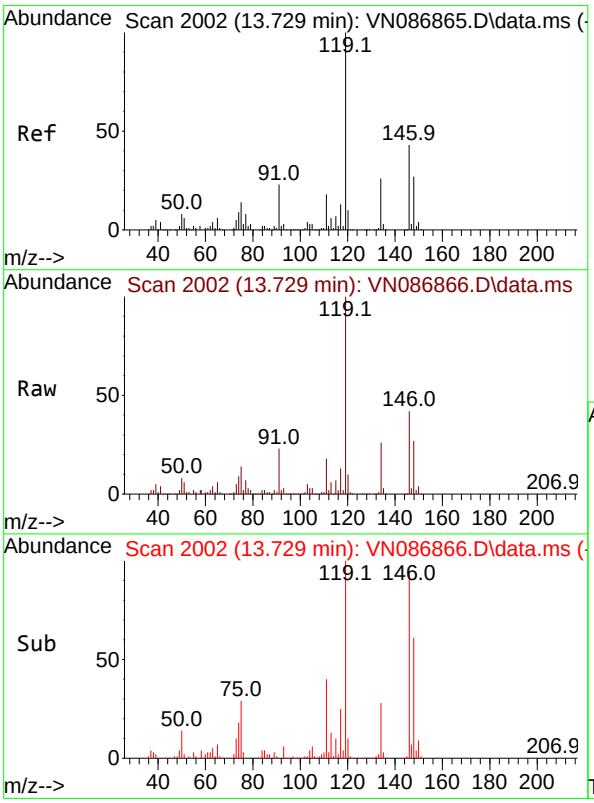
#85
sec-Butylbenzene
Concen: 100.513 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1182155

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

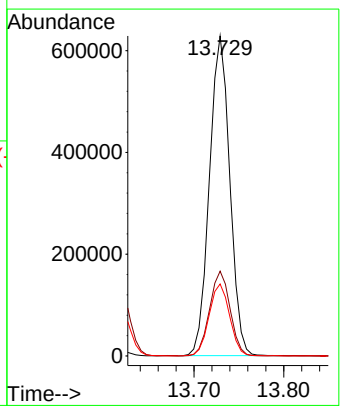


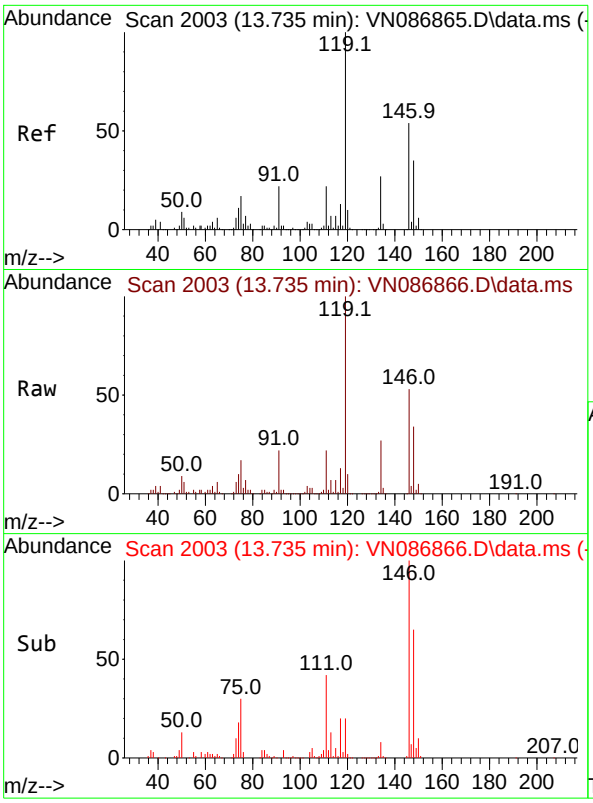


#86
p-Isopropyltoluene
Concen: 101.857 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 990273

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.6	11.5	34.4



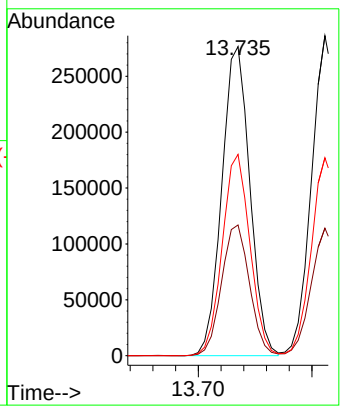


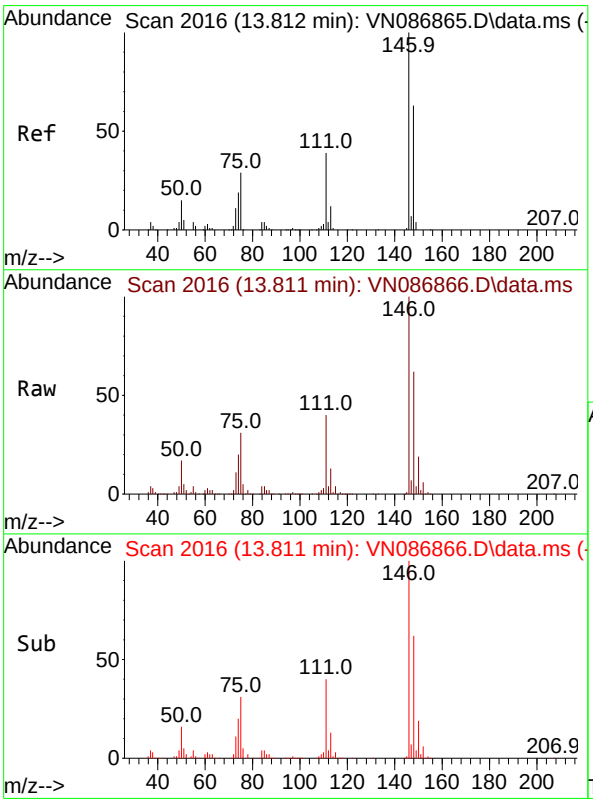
#87
1,3-Dichlorobenzene
Concen: 98.063 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 474162

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.4	32.0	96.2

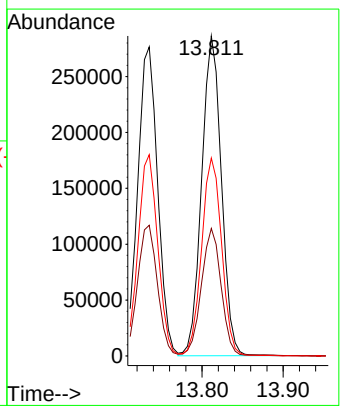


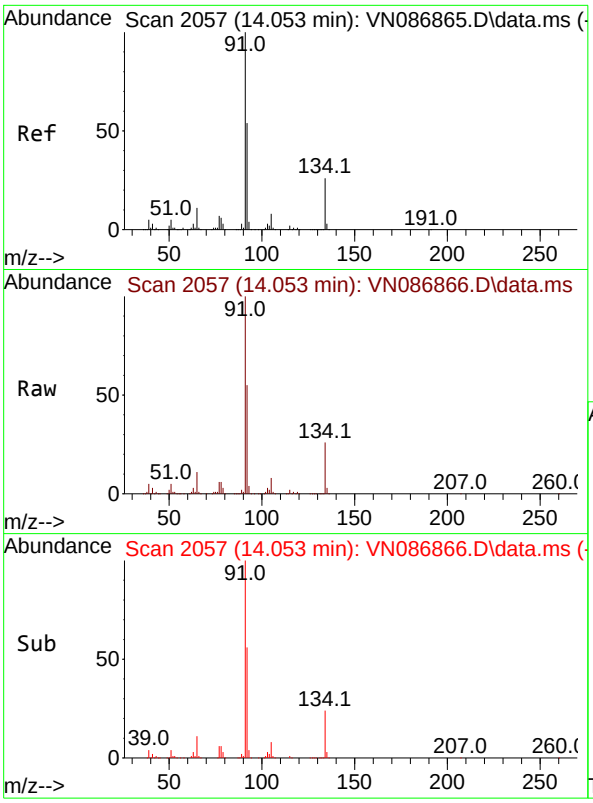


#88
1,4-Dichlorobenzene
Concen: 97.978 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 483003

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.0	31.8	95.4



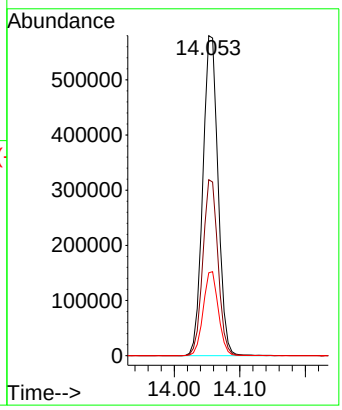


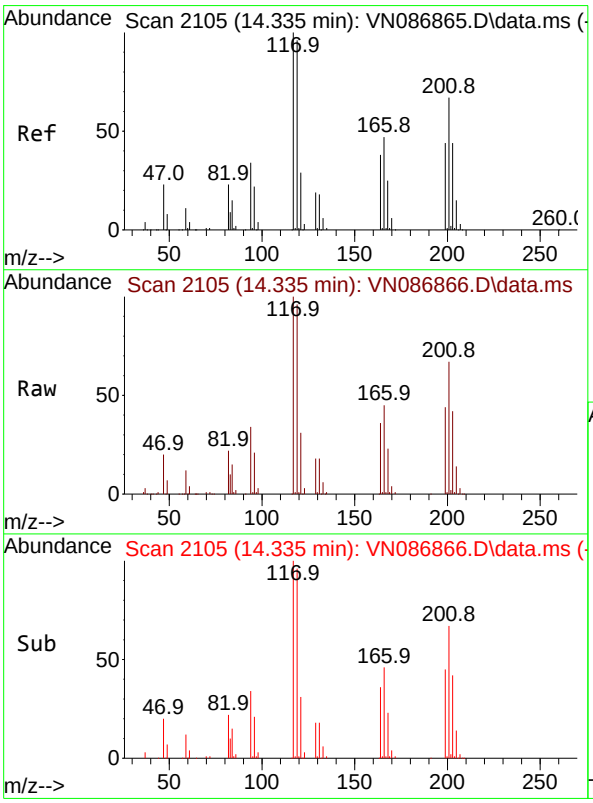
#89
n-Butylbenzene
Concen: 99.598 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 937913

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.2	13.0	39.0

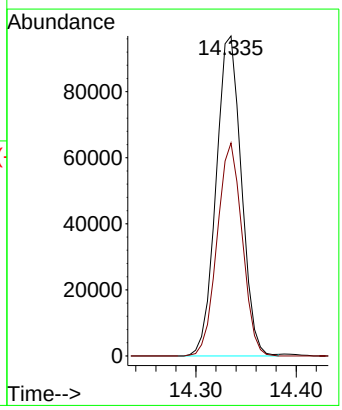


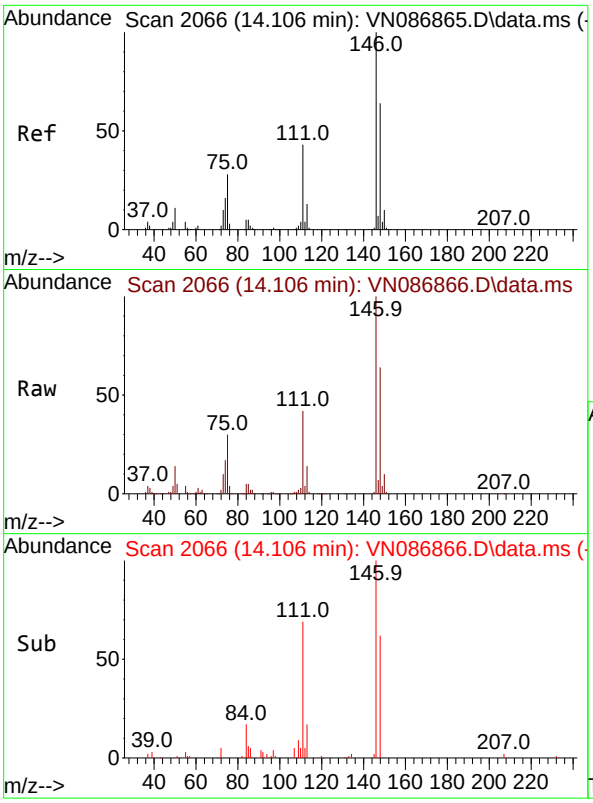


#90
Hexachloroethane
Concen: 103.019 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 169772

Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.2	99.6



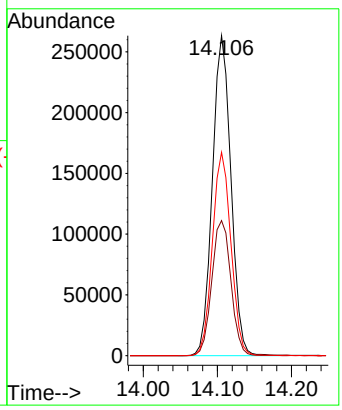


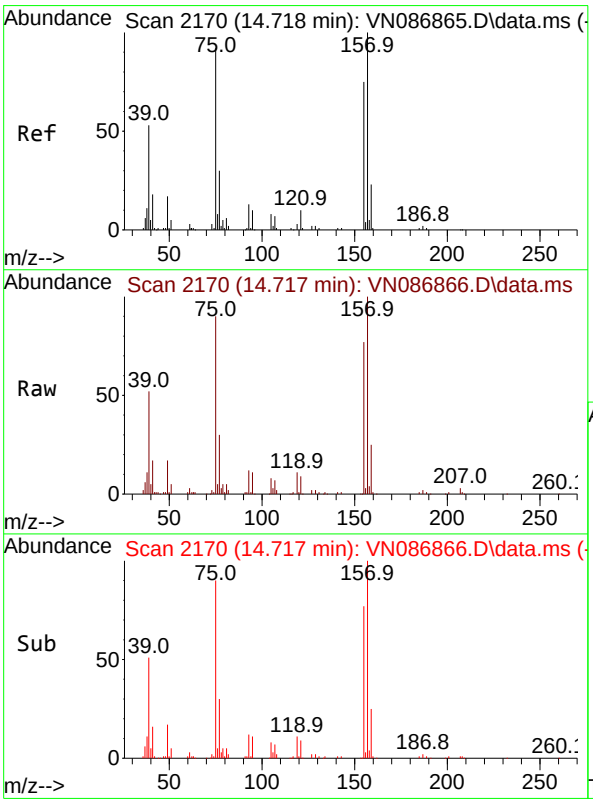
#91
1,2-Dichlorobenzene
Concen: 98.602 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 458049

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1

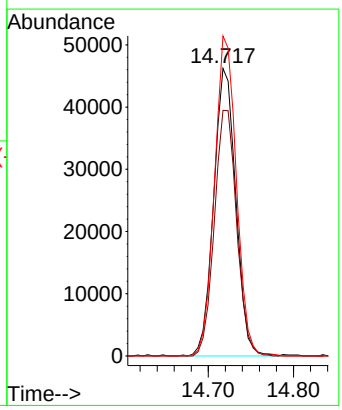


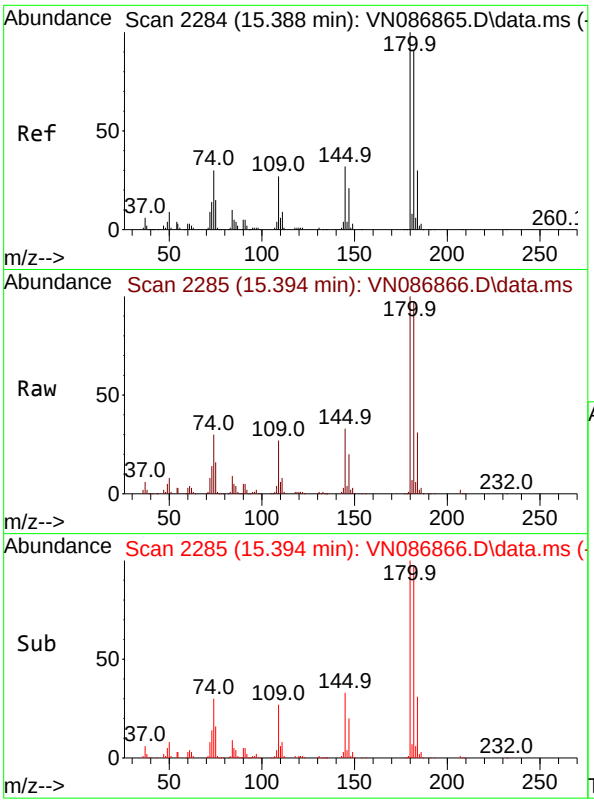


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.877 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 83243

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.4
157	109.8	52.7	158.1



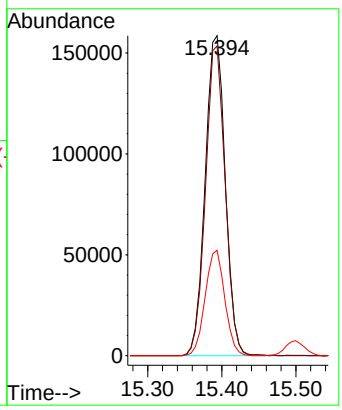


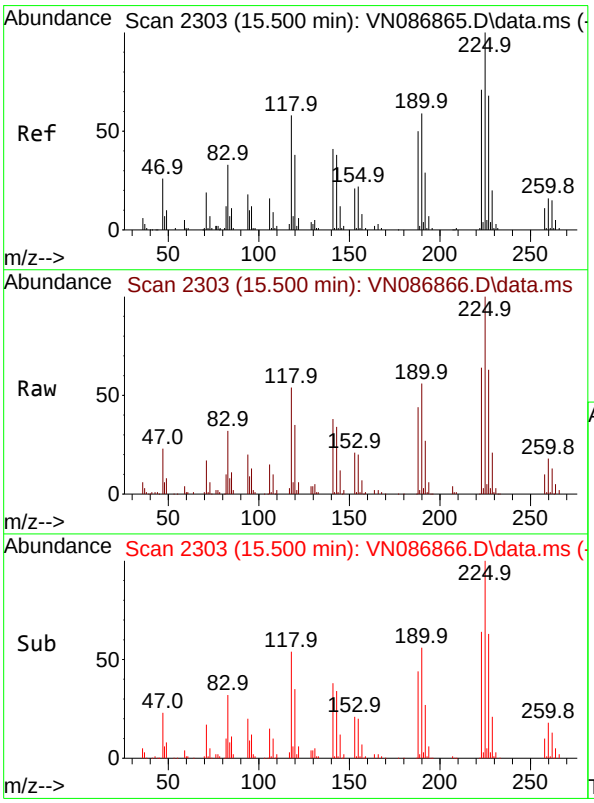
#93
1,2,4-Trichlorobenzene
Concen: 100.751 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 298870

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	32.2	16.0	47.9

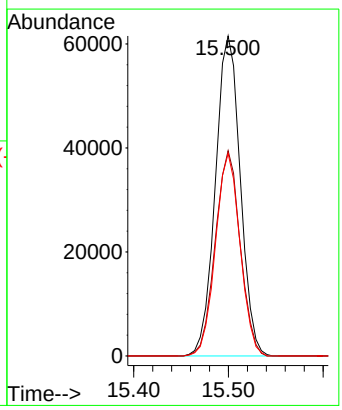


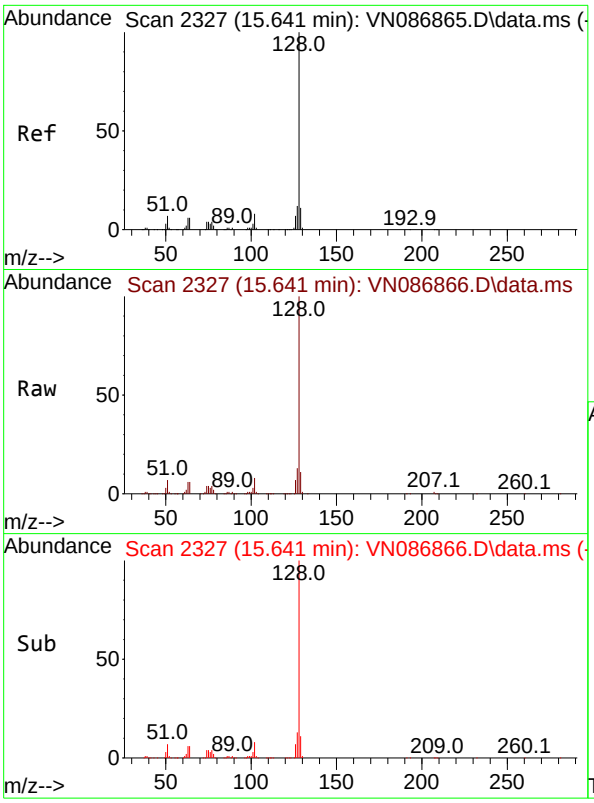


#94
Hexachlorobutadiene
Concen: 101.789 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:225 Resp: 112496

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.5	100.4
227	62.1	31.1	93.5



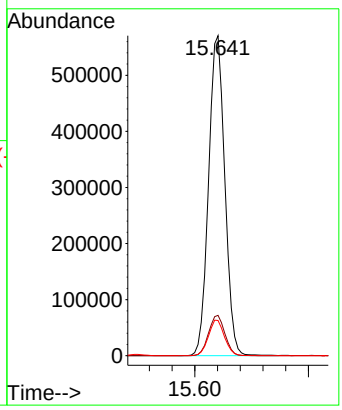


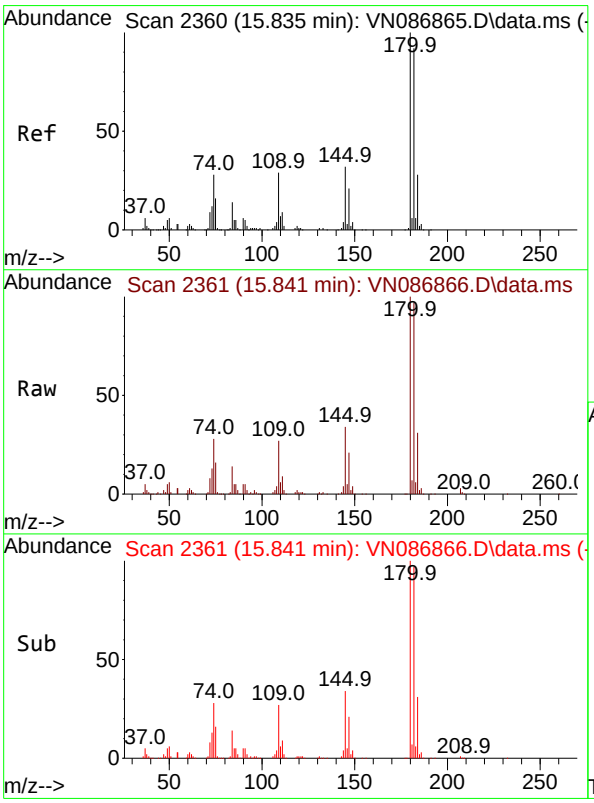
#95
Naphthalene
Concen: 102.290 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1129434

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2

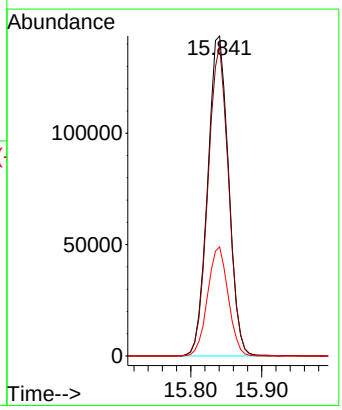




#96
1,2,3-Trichlorobenzene
Concen: 99.796 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:180 Resp: 294127

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.5	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174	ug/l		98
42) 1,2-Dichloroethane	8.676	62	381516	141.455	ug/l		100
43) Isopropyl Acetate	8.694	43	780791	140.531	ug/l		99
44) Trichloroethene	9.359	130	302548	143.490	ug/l		96
45) 1,2-Dichloropropane	9.623	63	309047	142.856	ug/l		100
46) Dibromomethane	9.712	93	208461	145.074	ug/l		100
47) Bromodichloromethane	9.894	83	430011	145.449	ug/l		100
48) Methyl methacrylate	9.688	41	366967	143.502	ug/l		99
49) 1,4-Dioxane	9.712	88	138035	2967.116	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995	ug/l		98
52) Toluene	10.635	92	793270	145.976	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163	ug/l		97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588	ug/l		99
56) Ethyl methacrylate	10.876	69	533912	160.311	ug/l		98
57) 1,3-Dichloropropane	11.165	76	516391	142.363	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147	ug/l		99
59) 2-Hexanone	11.200	43	1735777	805.662	ug/l		99
60) Dibromochloromethane	11.365	129	322064	147.832	ug/l		98
61) 1,2-Dibromoethane	11.470	107	314606	146.790	ug/l		99
64) Tetrachloroethene	11.106	164	245122	139.048	ug/l		97
65) Chlorobenzene	11.894	112	860345	140.041	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171	ug/l		99
67) Ethyl Benzene	11.964	91	1517883	143.438	ug/l		98
68) m/p-Xylenes	12.070	106	1175378	290.155	ug/l		99
69) o-Xylene	12.400	106	566301	145.966	ug/l		100
70) Styrene	12.411	104	972318	146.459	ug/l		100
71) Bromoform	12.582	173	223200	152.538	ug/l	#	99
73) Isopropylbenzene	12.694	105	1453651	146.042	ug/l		100
74) N-amyl acetate	12.500	43	543747	164.596	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	644184	197.732	ug/l		71
77) Bromobenzene	12.982	156	335734	147.077	ug/l		98
78) n-propylbenzene	13.035	91	1769694	146.301	ug/l		99
79) 2-Chlorotoluene	13.123	91	1046916	144.317	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277	ug/l		95
82) 4-Chlorotoluene	13.223	91	1063581	144.900	ug/l		100
83) tert-Butylbenzene	13.435	119	1093406	145.352	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626	ug/l		100
85) sec-Butylbenzene	13.617	105	1582762	144.885	ug/l		99
86) p-Isopropyltoluene	13.729	119	1322780	146.482	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124	ug/l		99
89) n-Butylbenzene	14.053	91	1251819	143.117	ug/l		100
90) Hexachloroethane	14.335	117	230195	150.387	ug/l		98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940	ug/l		99
94) Hexachlorobutadiene	15.500	225	151172	147.264	ug/l		98
95) Naphthalene	15.641	128	1545981	150.743	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

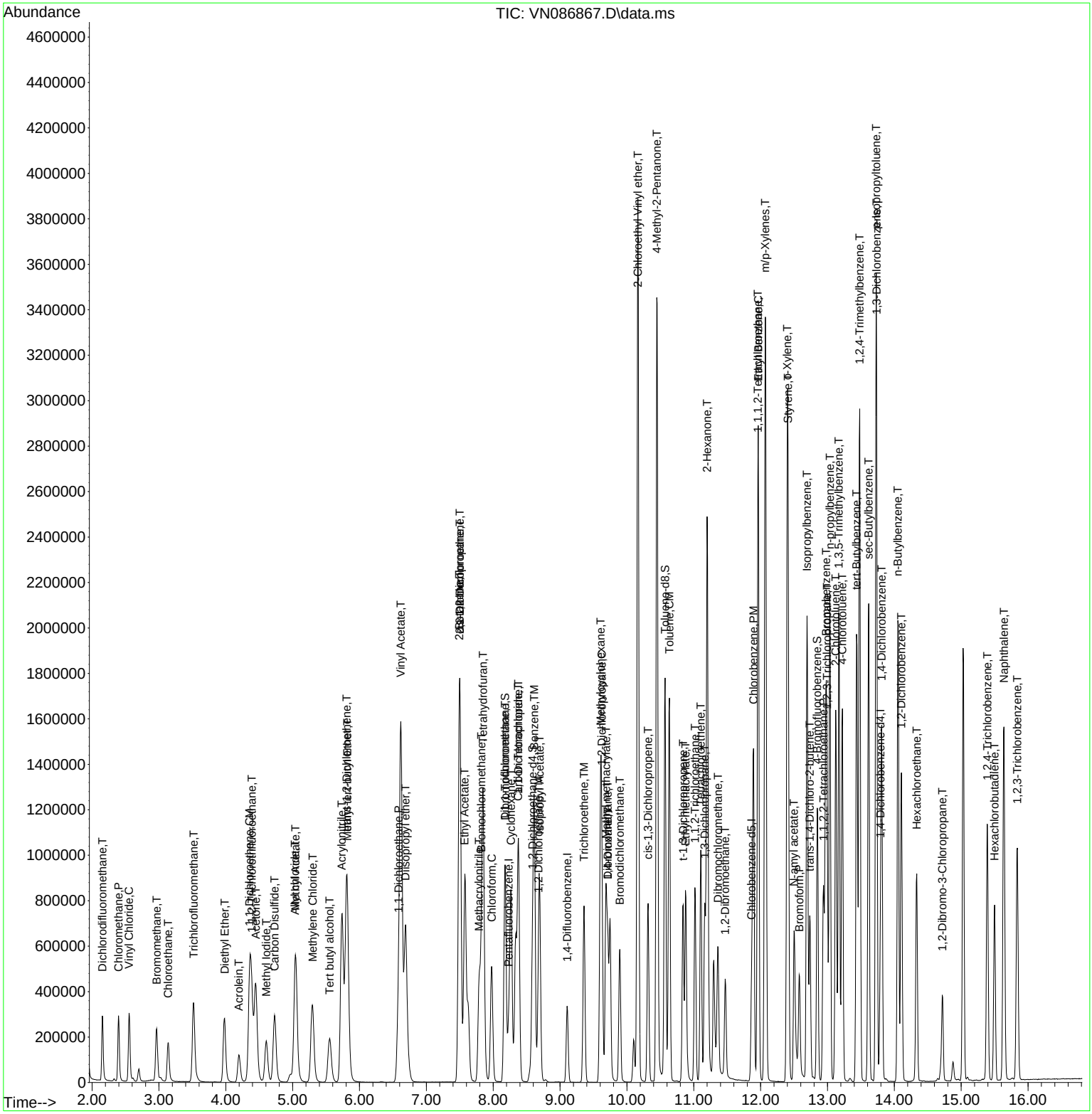
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

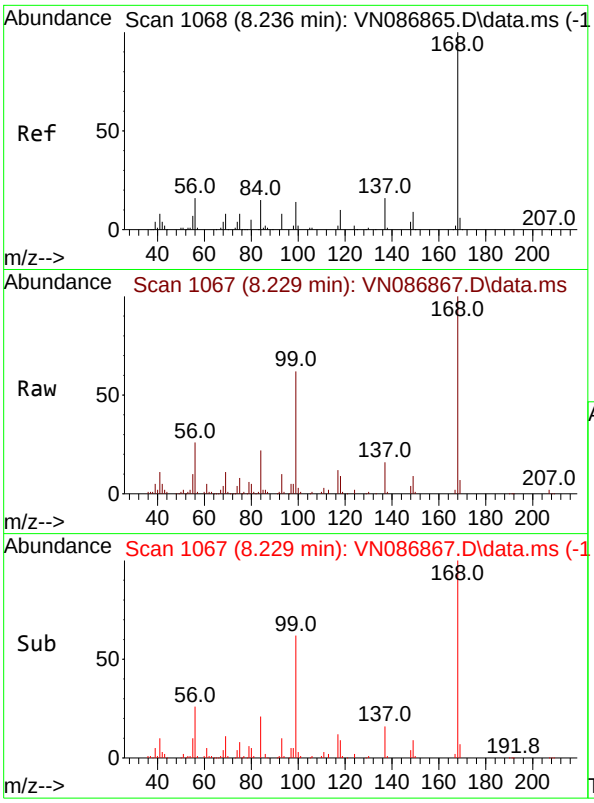
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



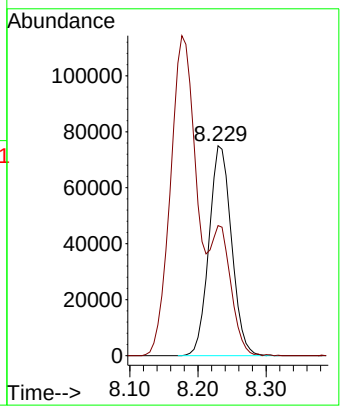


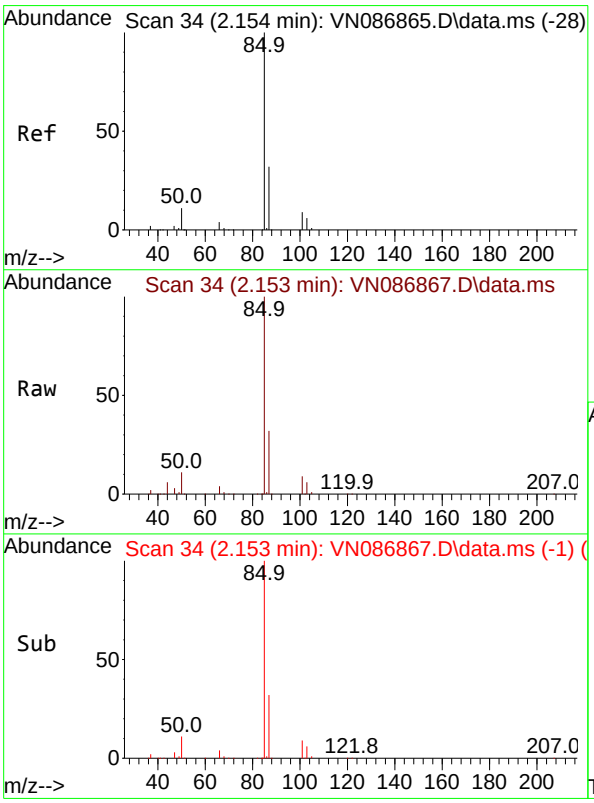
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 172832

Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.1	73.7

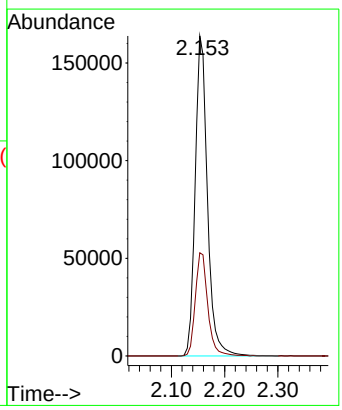


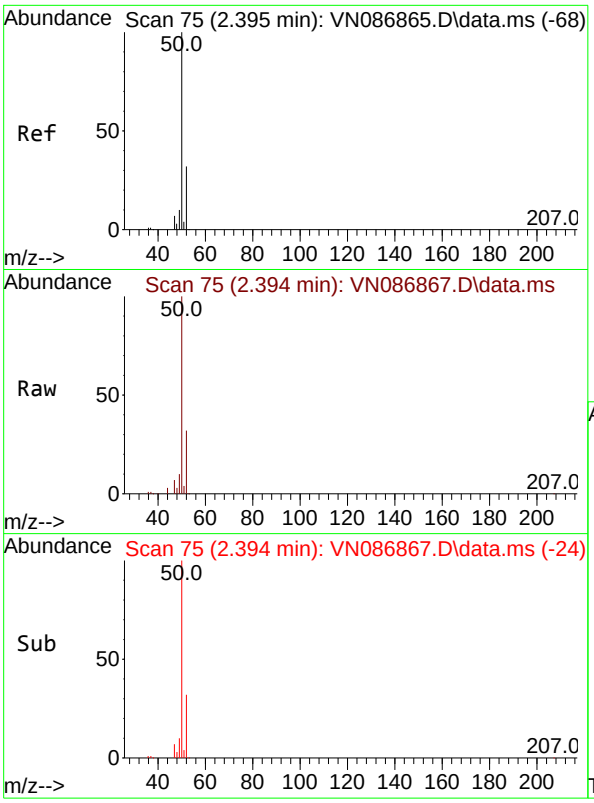


#2
Dichlorodifluoromethane
Concen: 152.122 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 85 Resp: 262143

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6



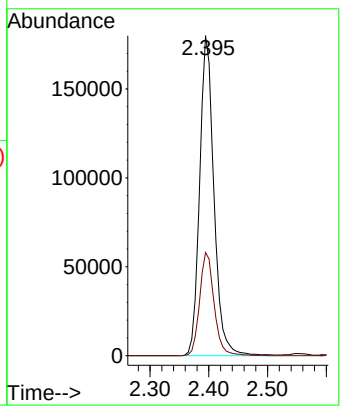


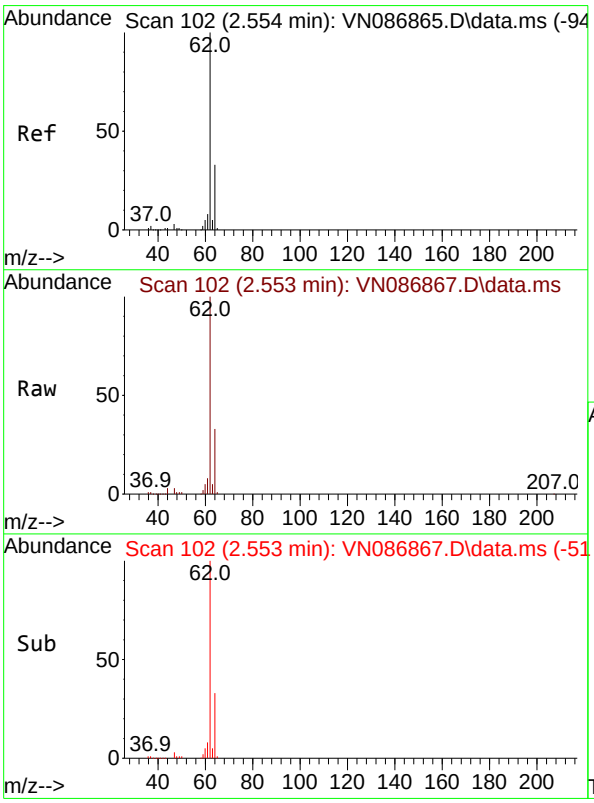
#3
Chloromethane
Concen: 136.865 ug/l
RT: 2.394 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 304558

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5

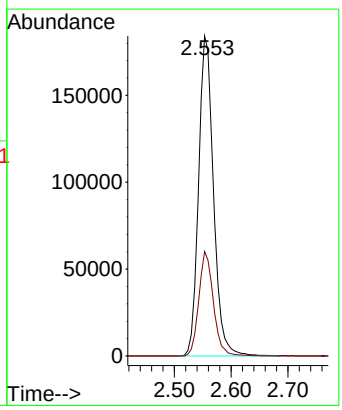


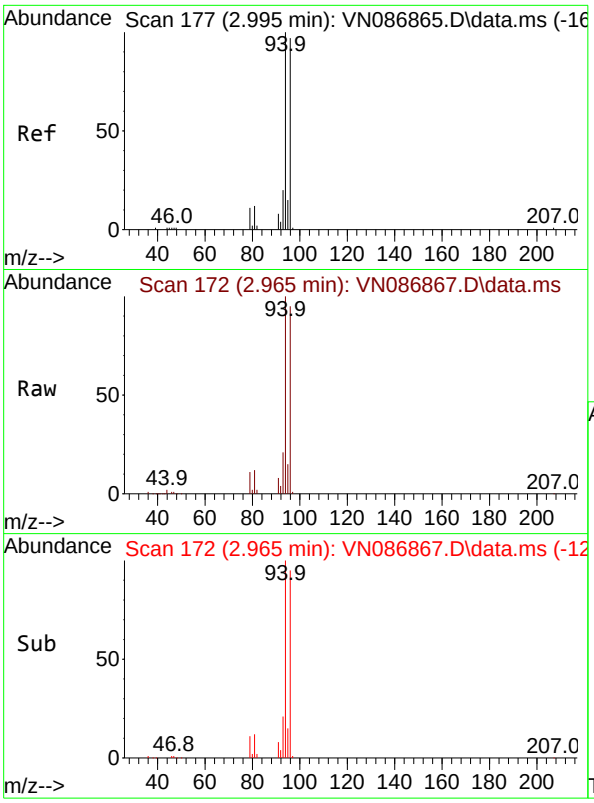


#4
Vinyl Chloride
Concen: 146.303 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 335834

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0



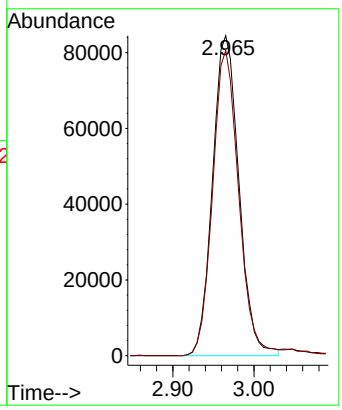


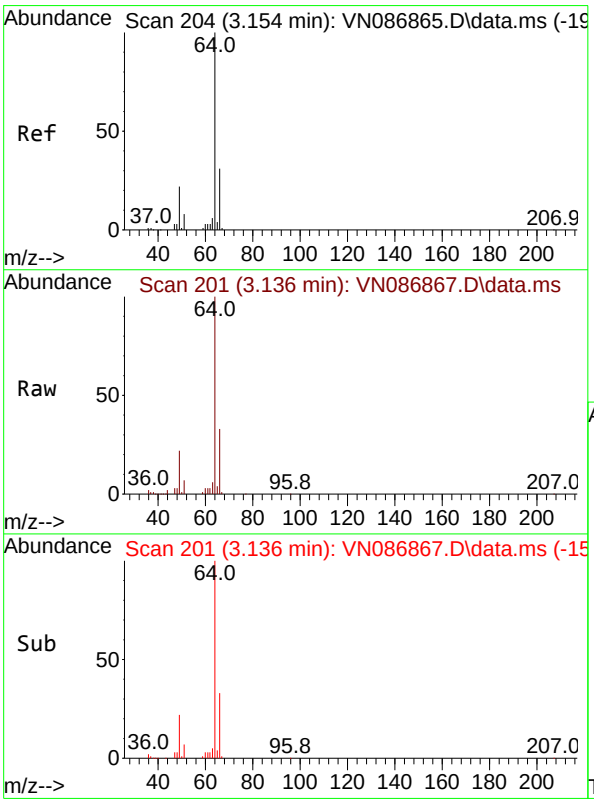
#5
Bromomethane
Concen: 148.522 ug/l
RT: 2.965 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 190786

Ion	Ratio	Lower	Upper
94	100		
96	95.5	77.9	116.9

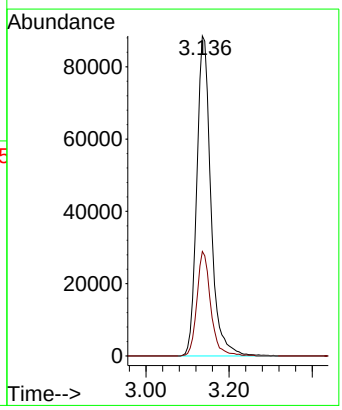


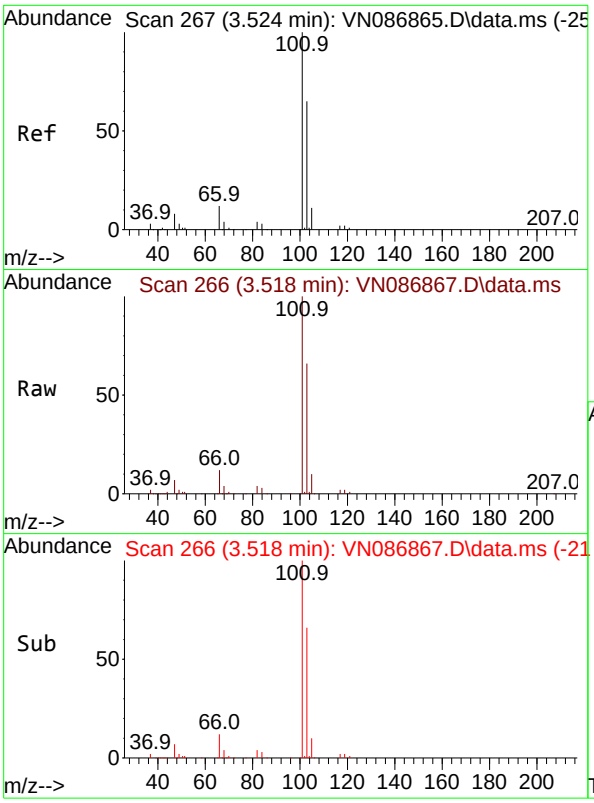


#6
Chloroethane
Concen: 140.664 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.018 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 64 Resp: 208568

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8



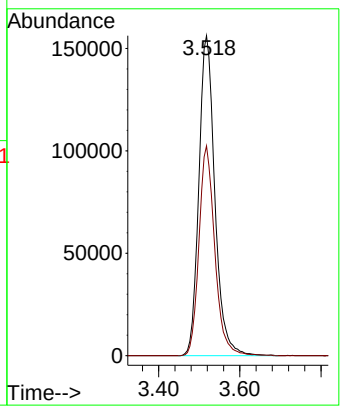


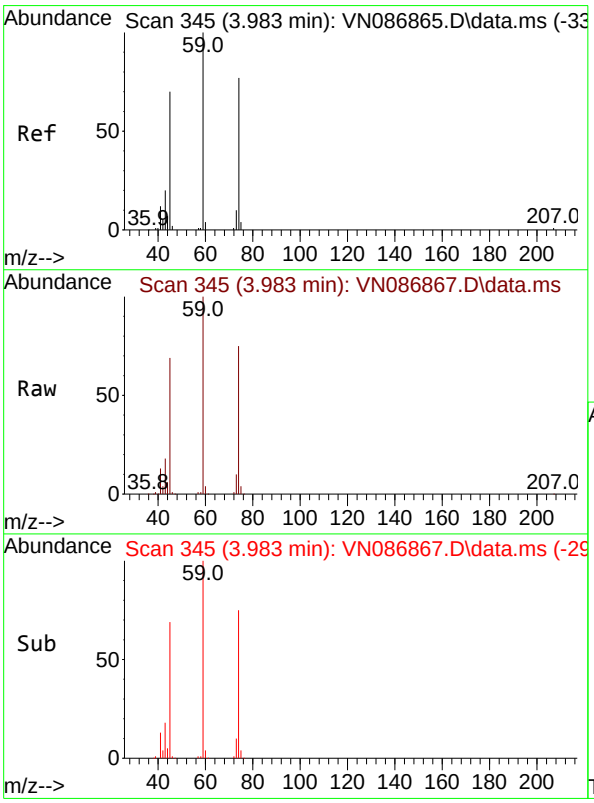
#7
Trichlorofluoromethane
Concen: 142.666 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 427871

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

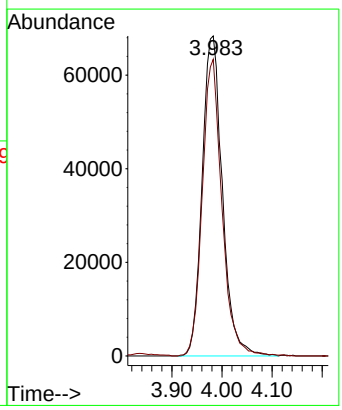


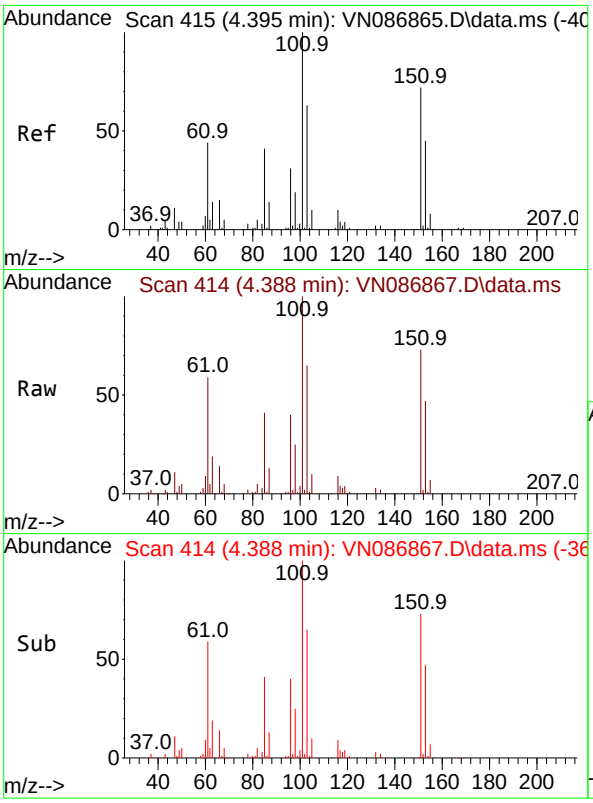


#8
Diethyl Ether
Concen: 146.593 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 74 Resp: 191555

Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5



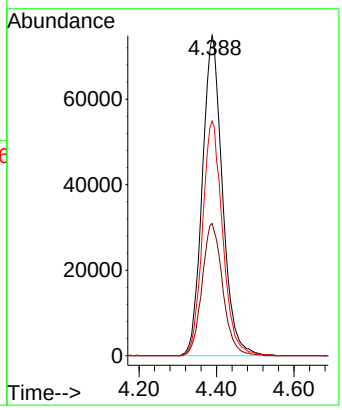


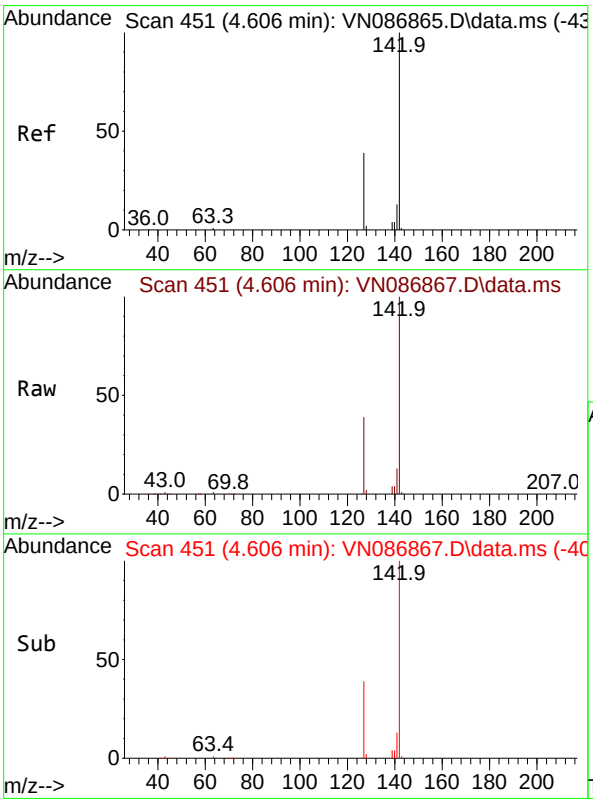
#9
1,1,2-Trichlorotrifluoroethane
Concen: 143.192 ug/l
RT: 4.388 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 269810

Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.5	58.7	88.1

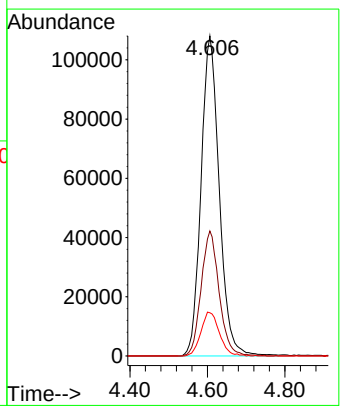


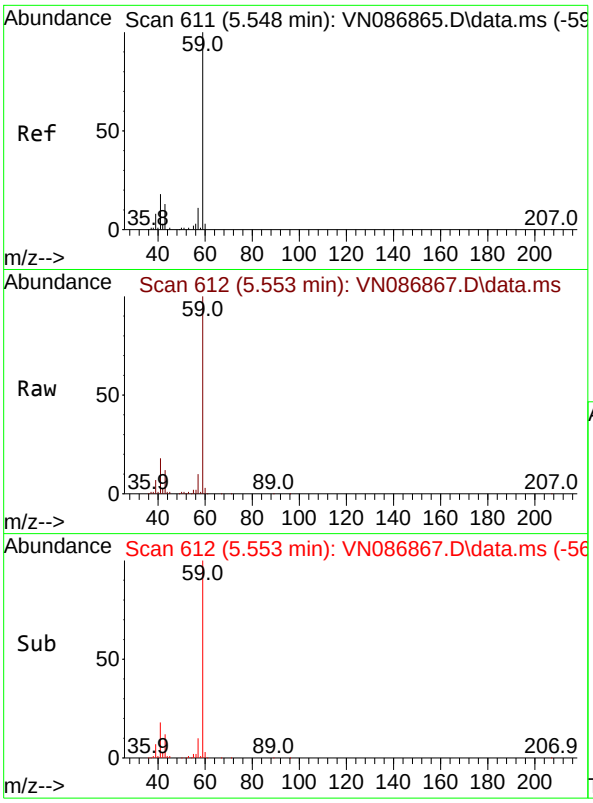


#10
Methyl Iodide
Concen: 144.118 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:142 Resp: 352020

Ion	Ratio	Lower	Upper
142	100		
127	39.1	30.9	46.3
141	13.5	10.4	15.6



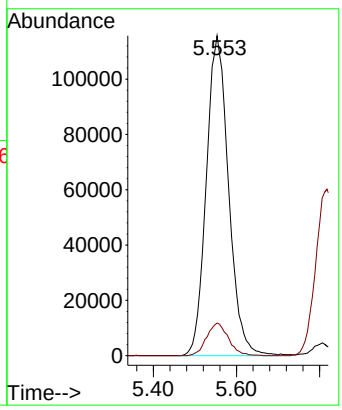


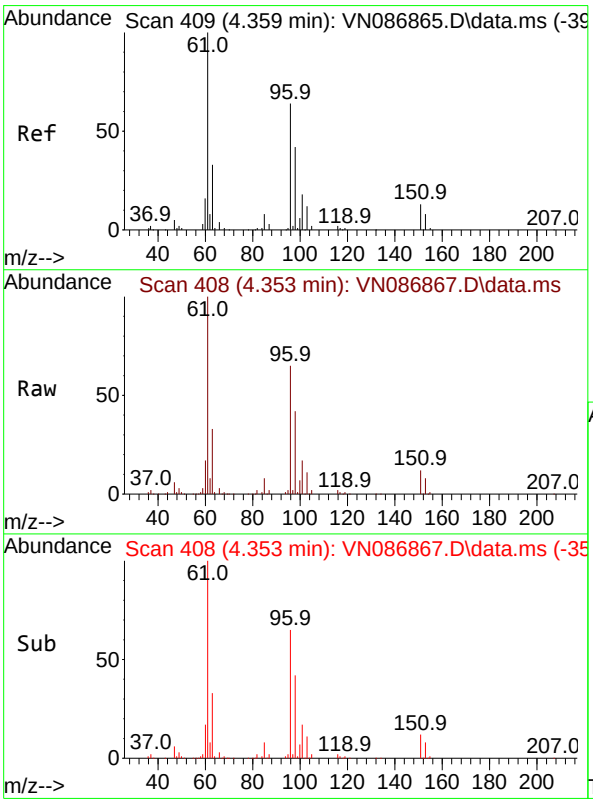
#11
Tert butyl alcohol
Concen: 686.213 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 430866

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

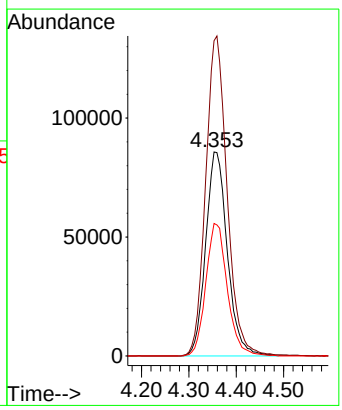


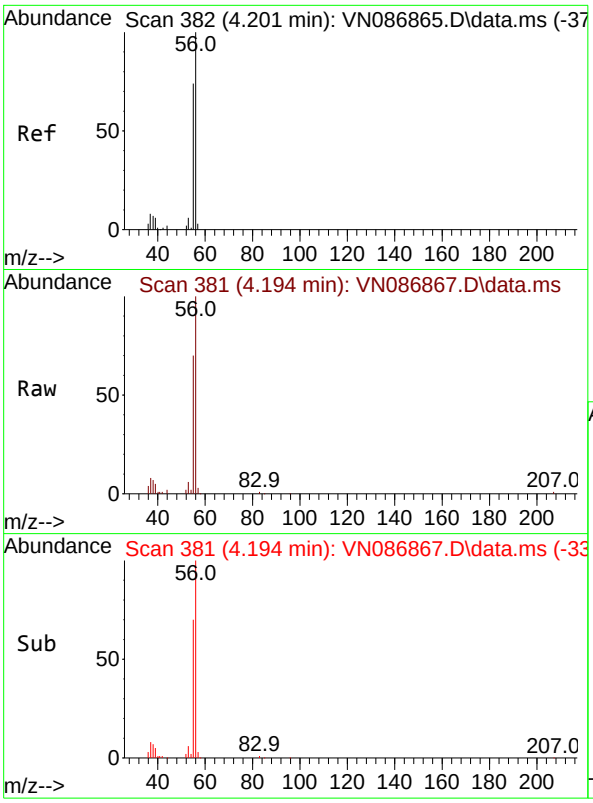


#12
1,1-Dichloroethene
Concen: 142.118 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 273388

Ion	Ratio	Lower	Upper
96	100		
61	154.5	125.8	188.6
98	64.9	52.5	78.7



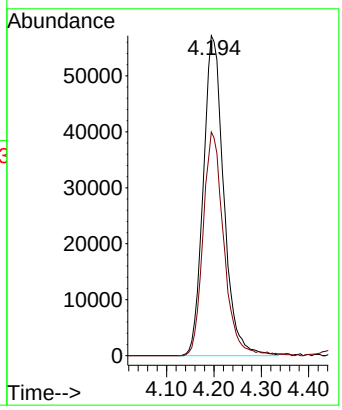


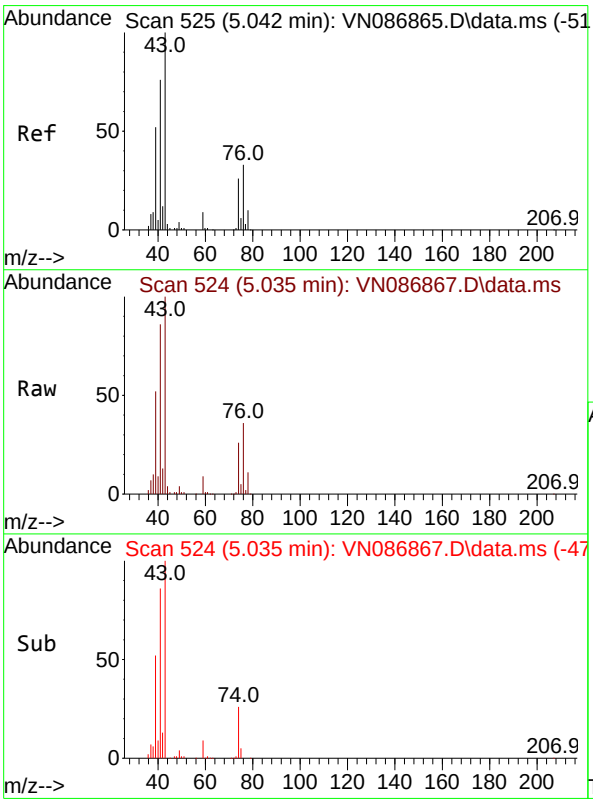
#13
Acrolein
Concen: 863.526 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 171625

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4

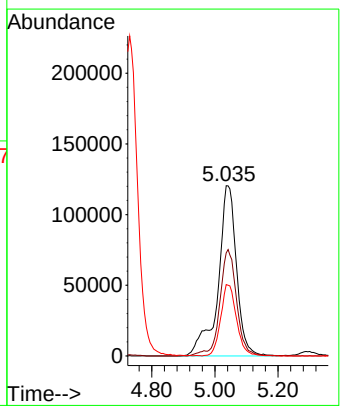


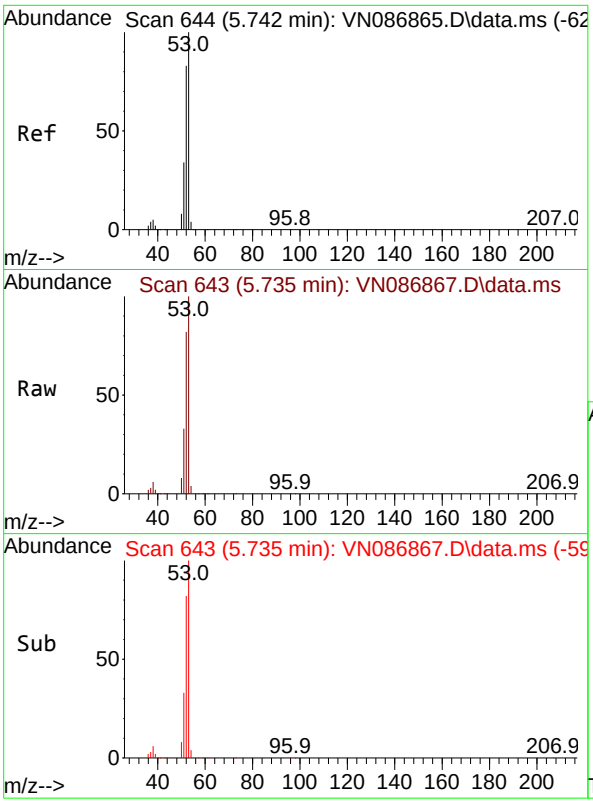


#14
Allyl chloride
Concen: 153.858 ug/l
RT: 5.035 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 490852

Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.3	76.9
76	35.7	31.4	47.0



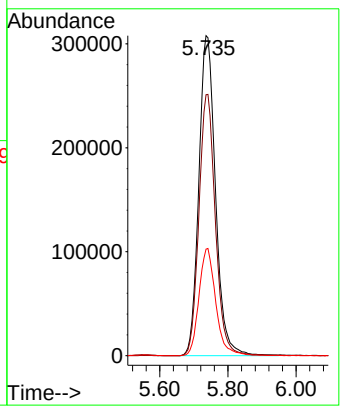


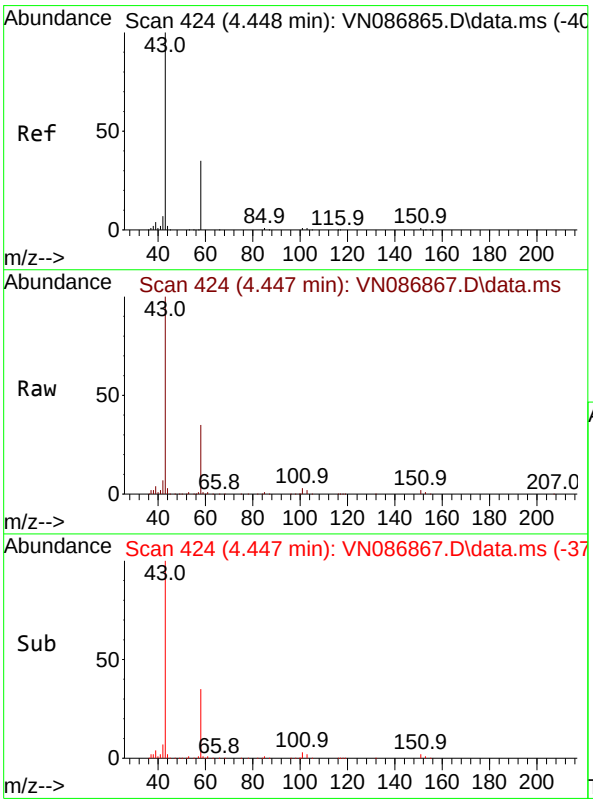
#15
Acrylonitrile
Concen: 714.344 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 1048372

Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.0	97.6
51	33.8	27.2	40.8

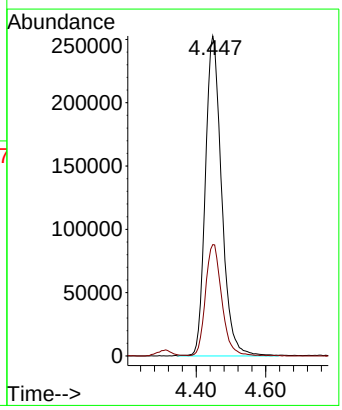


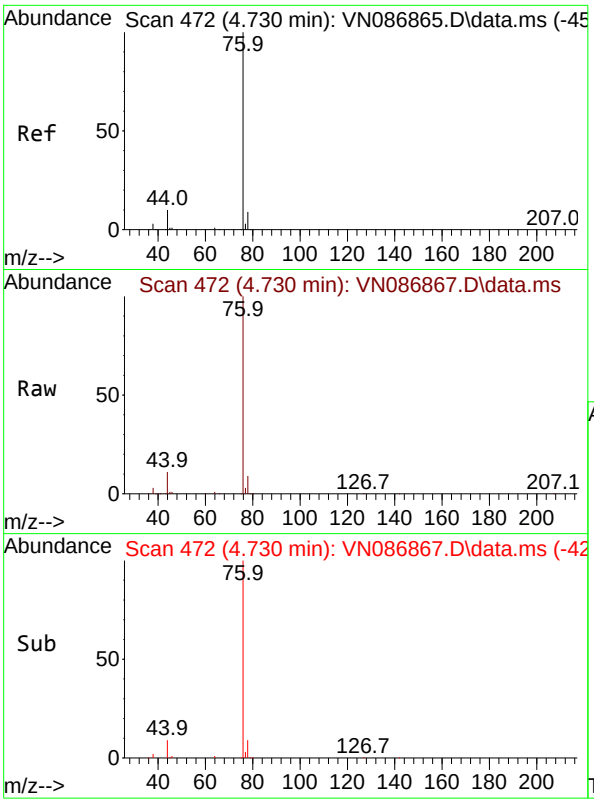


#16
Acetone
Concen: 667.435 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 819041

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.0	42.0



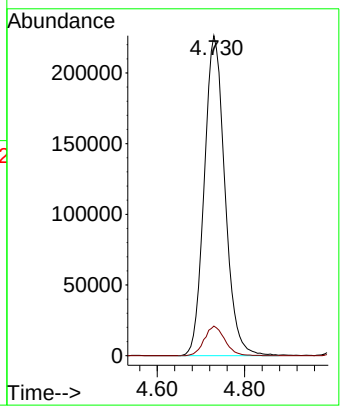


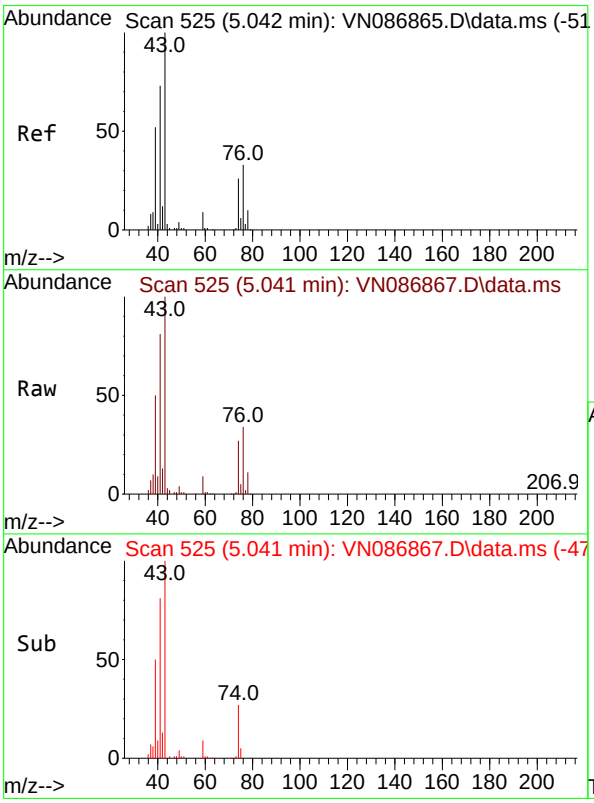
#17
Carbon Disulfide
Concen: 139.594 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 742788

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

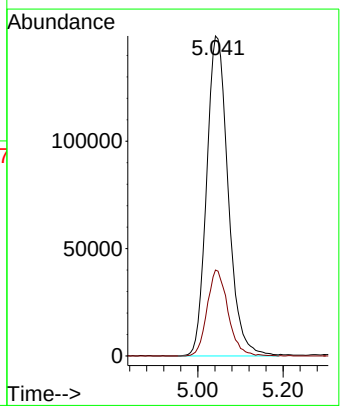


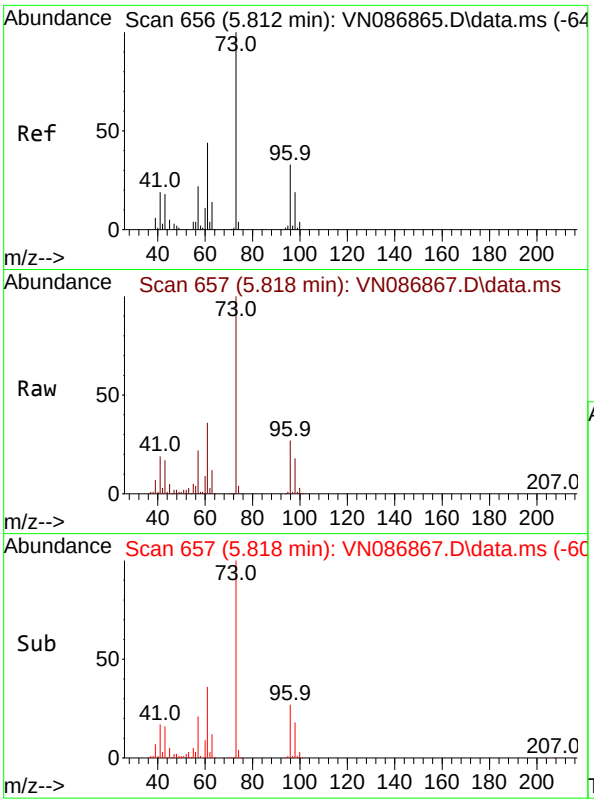


#18
Methyl Acetate
Concen: 146.527 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 523996

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1



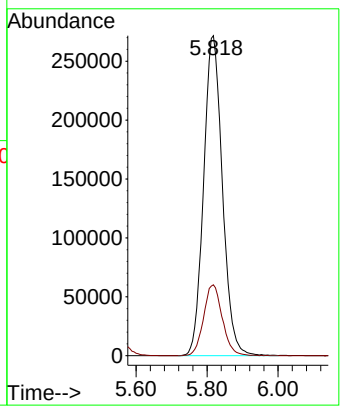


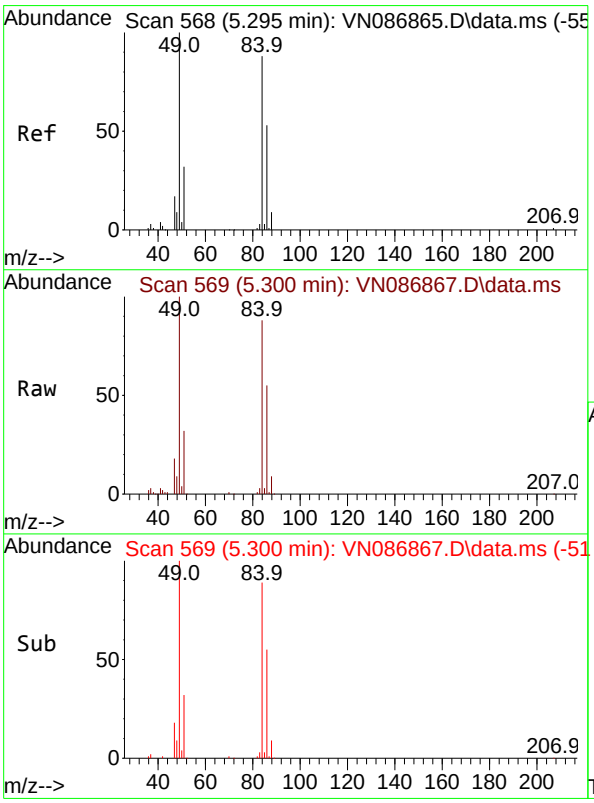
#19
Methyl tert-butyl Ether
Concen: 143.396 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 998781

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

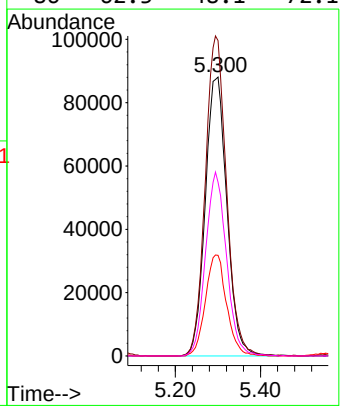


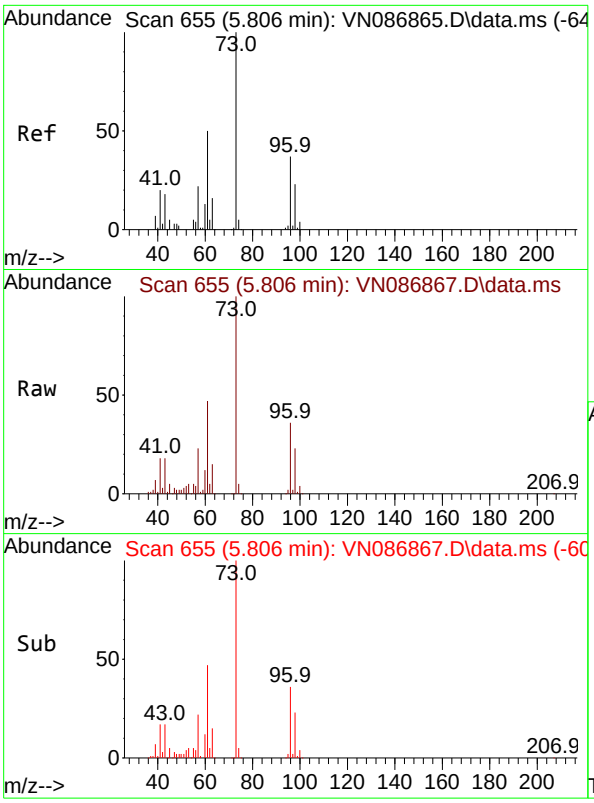


#20
Methylene Chloride
Concen: 135.628 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 84 Resp: 311597

Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.5	135.7
51	36.1	28.5	42.7
86	62.3	48.1	72.1



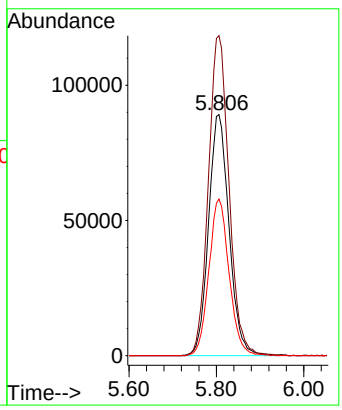


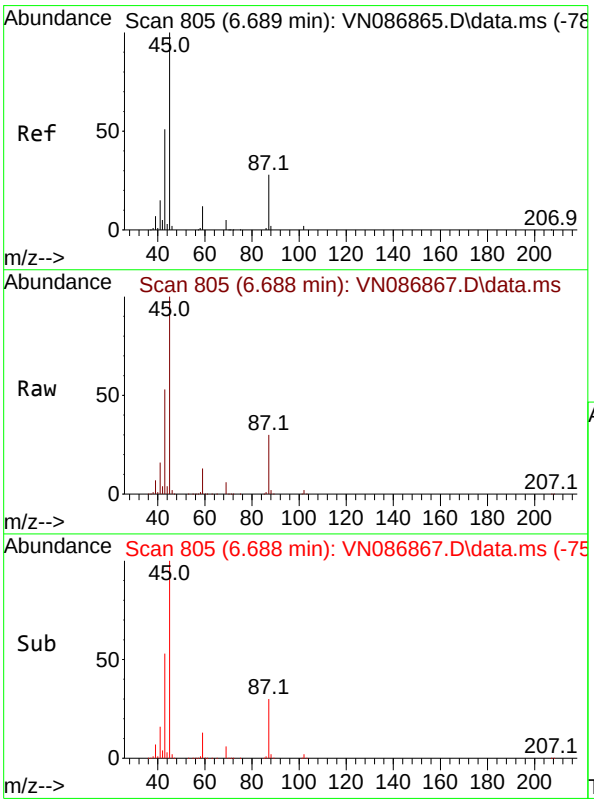
#21
trans-1,2-Dichloroethene
Concen: 135.947 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 290960

Ion	Ratio	Lower	Upper
96	100		
61	132.7	109.2	163.8
98	65.0	49.8	74.8

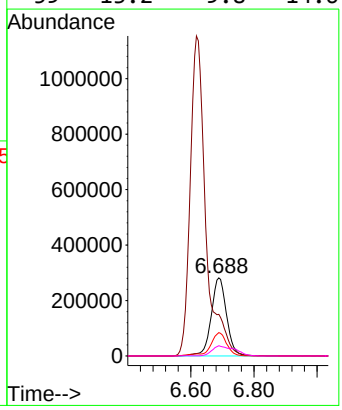


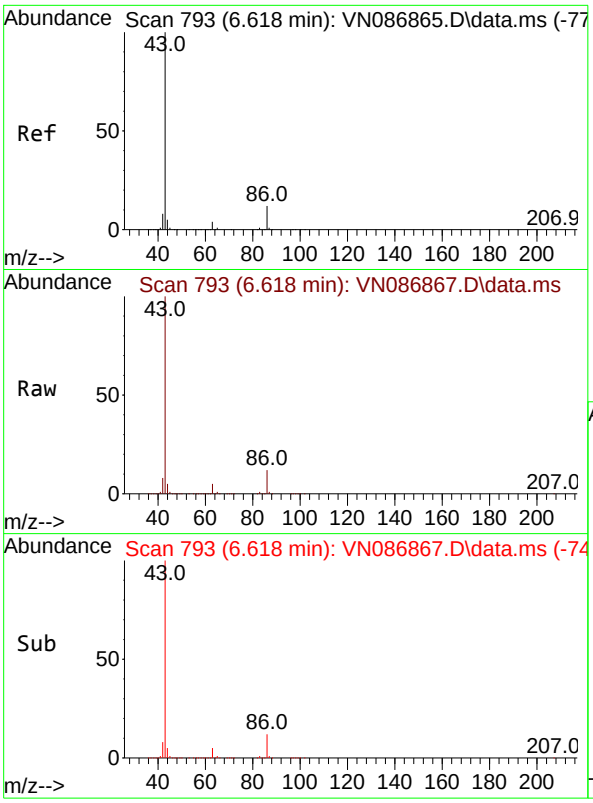


#22
Diisopropyl ether
Concen: 140.915 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 45 Resp: 947638

Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.9	62.9
87	29.9	22.4	33.6
59	13.2	9.8	14.6



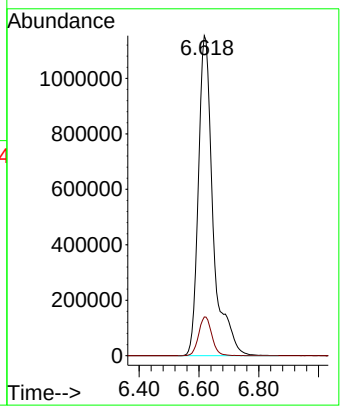


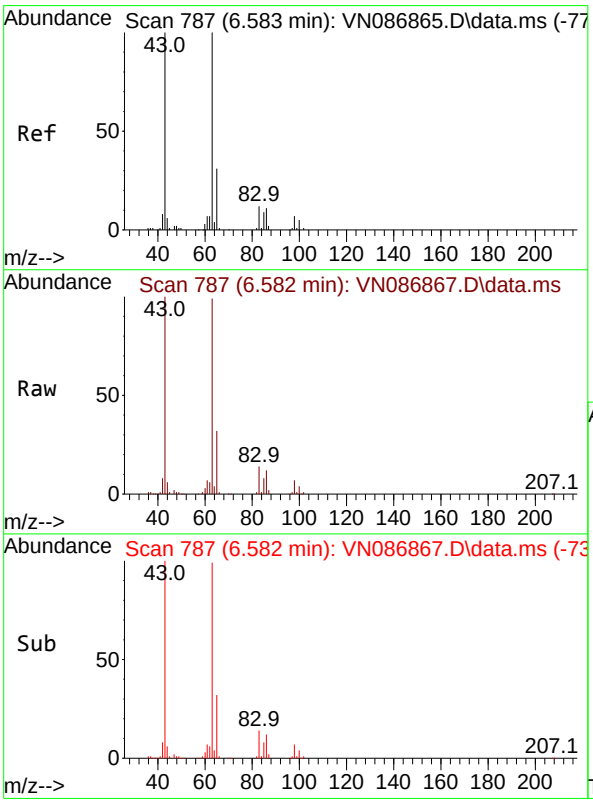
#23
Vinyl Acetate
Concen: 692.189 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3932872

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

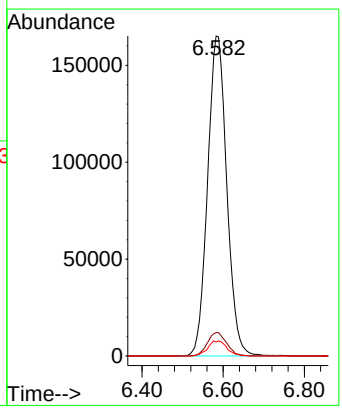


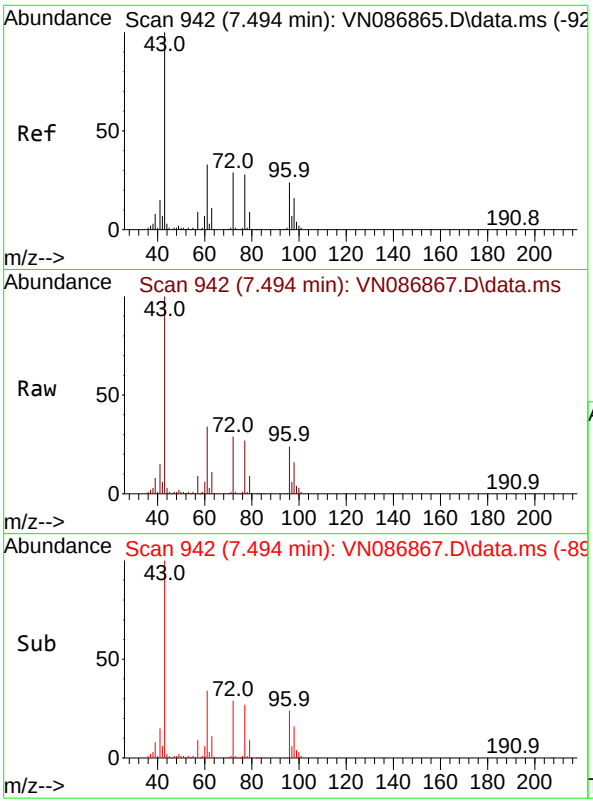


#24
1,1-Dichloroethane
Concen: 139.761 ug/l
RT: 6.582 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 540881

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.4	2.6	7.8



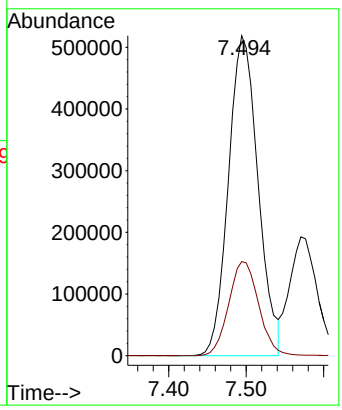


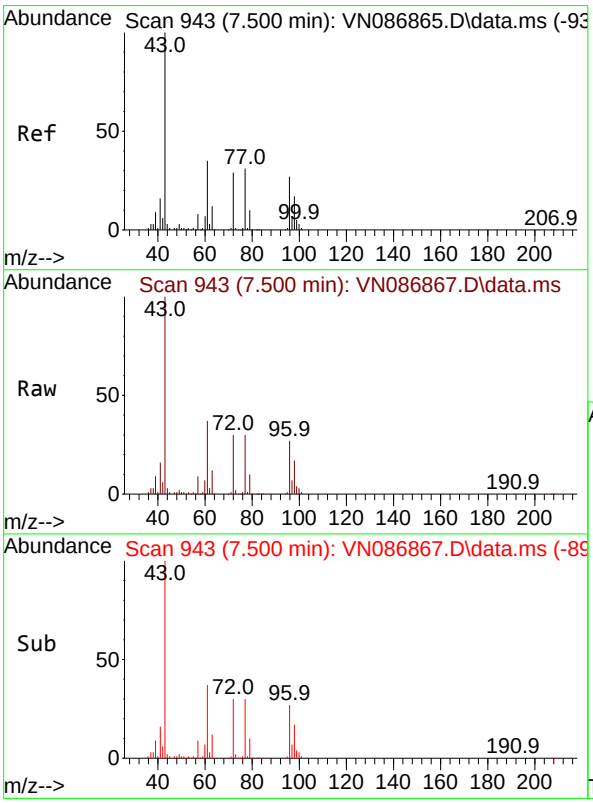
#25
2-Butanone
Concen: 692.809 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1381940

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.0	34.6

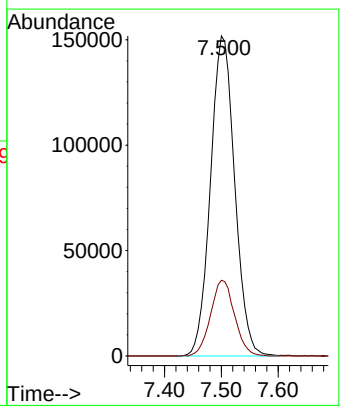


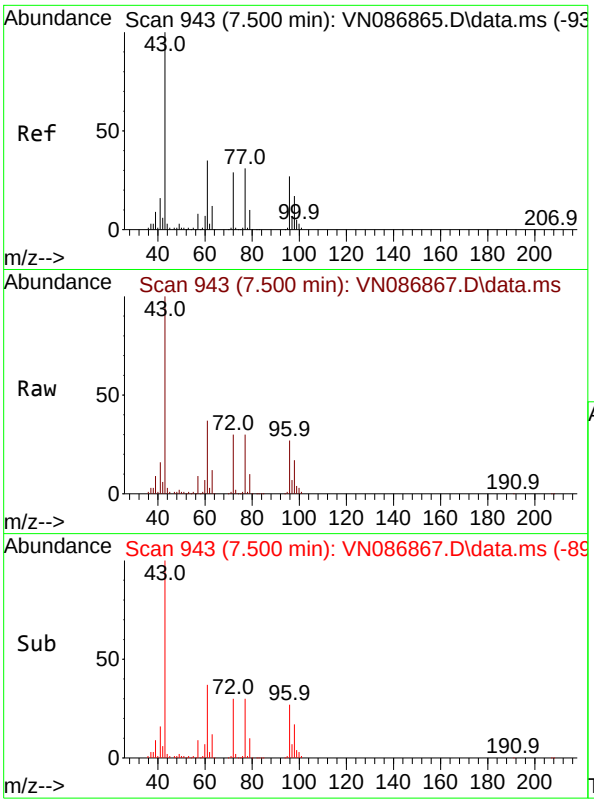


#26
2,2-Dichloropropane
Concen: 149.519 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 77 Resp: 450112

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7



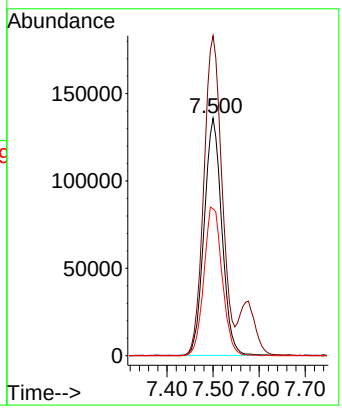


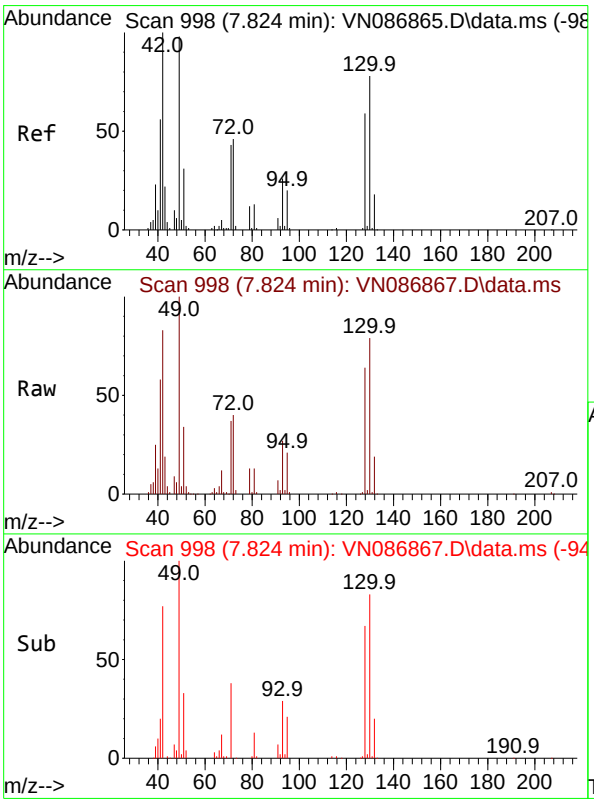
#27
cis-1,2-Dichloroethene
Concen: 141.974 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 363398

Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	278.0
98	64.5	0.0	128.2

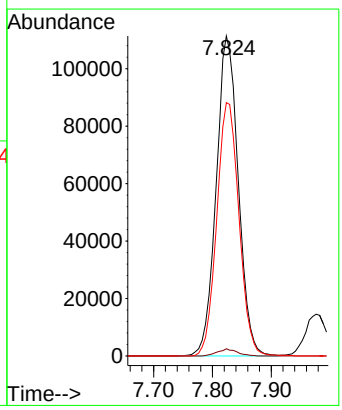


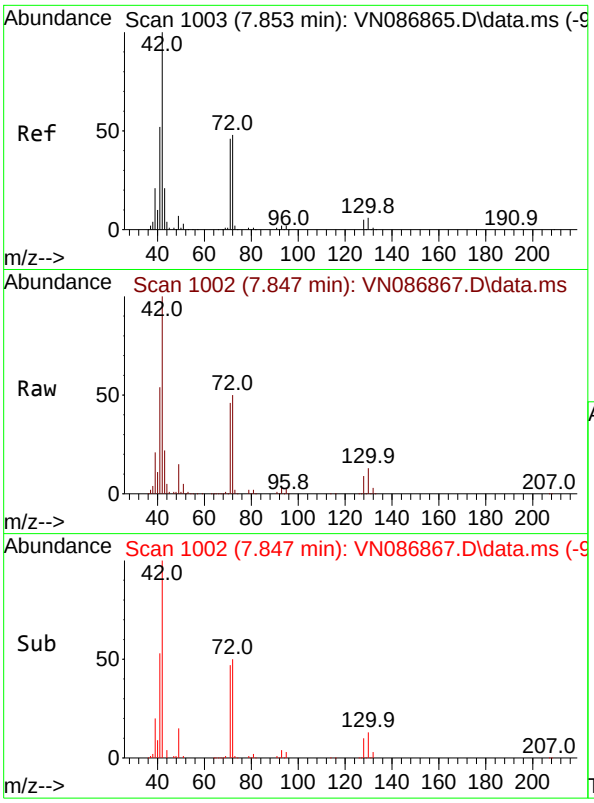


#28
Bromochloromethane
Concen: 152.718 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 49 Resp: 290594

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	79.8	62.2	93.2



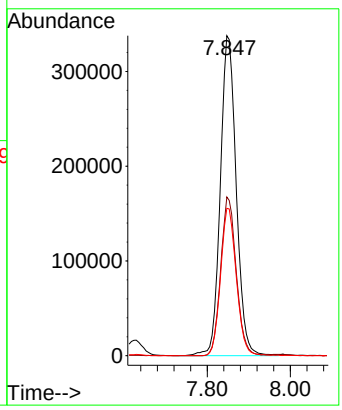


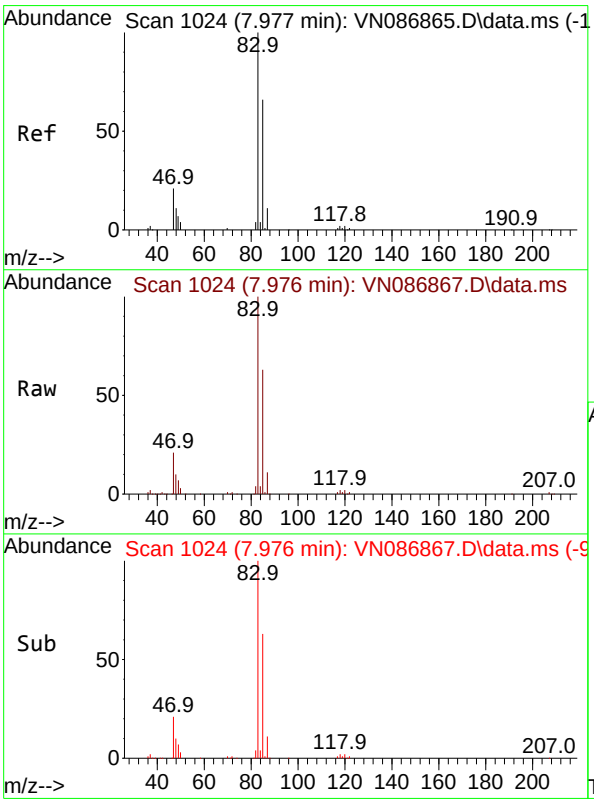
#29
Tetrahydrofuran
Concen: 691.211 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 898159

Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.8	56.6
71	45.4	35.6	53.4

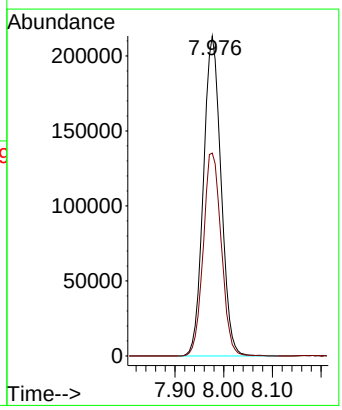


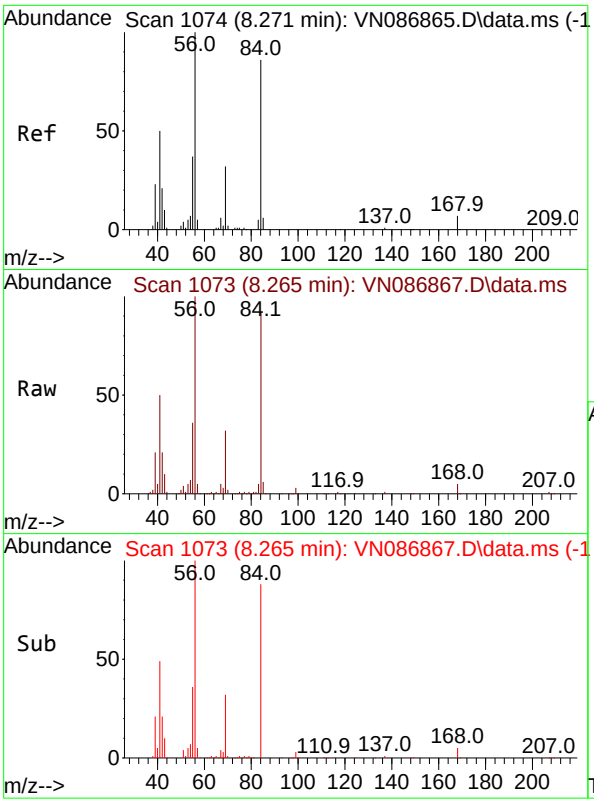


#30
Chloroform
Concen: 138.179 ug/l
RT: 7.976 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 534038

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.9	79.3



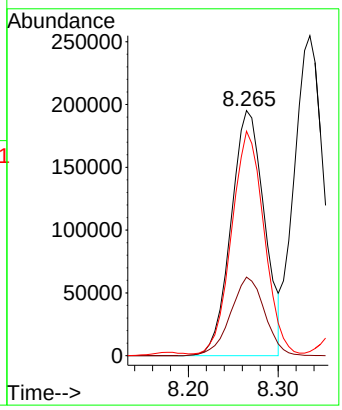


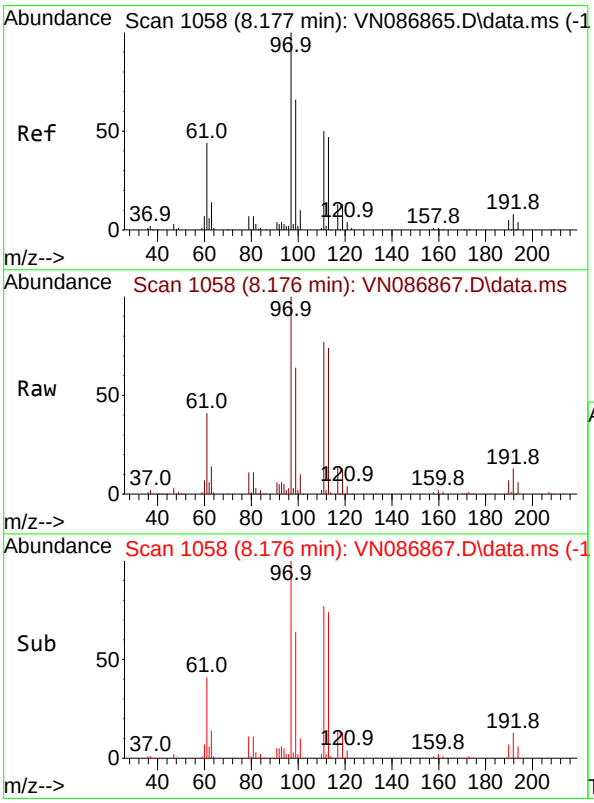
#31
Cyclohexane
Concen: 134.766 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 505795

Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	90.6	68.8	103.2

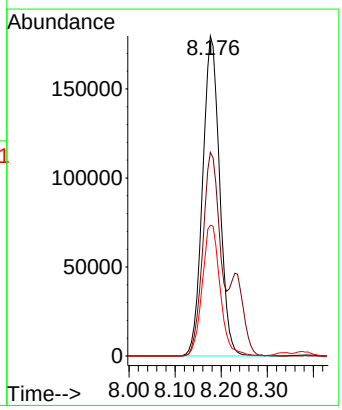


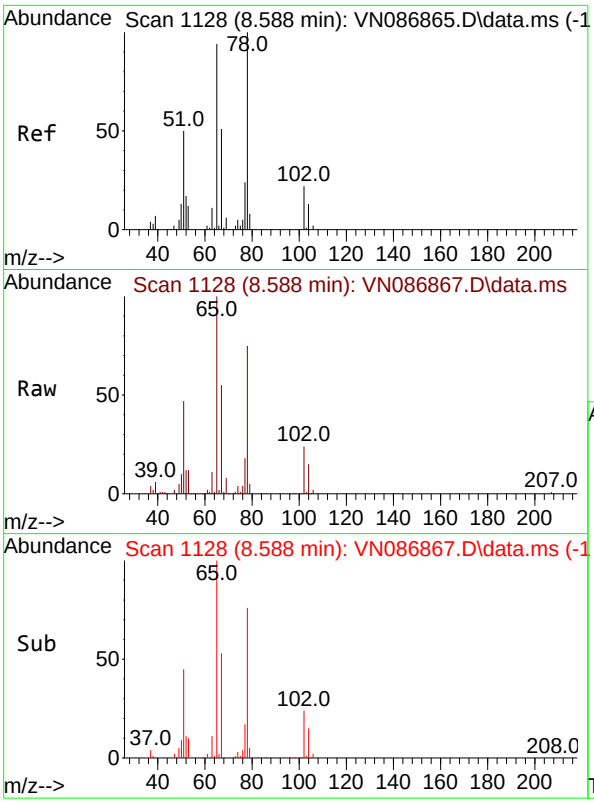


#32
1,1,1-Trichloroethane
Concen: 140.807 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 97 Resp: 462854

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.2	35.9	53.9



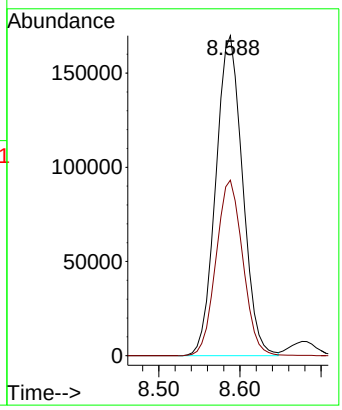


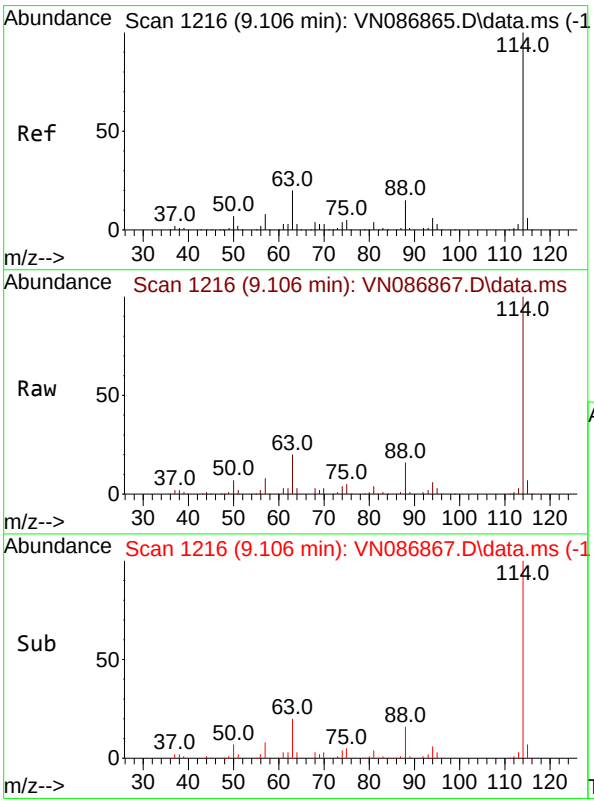
#33
1,2-Dichloroethane-d4
Concen: 168.233 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 389297

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6

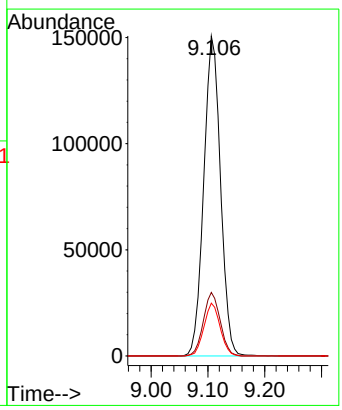


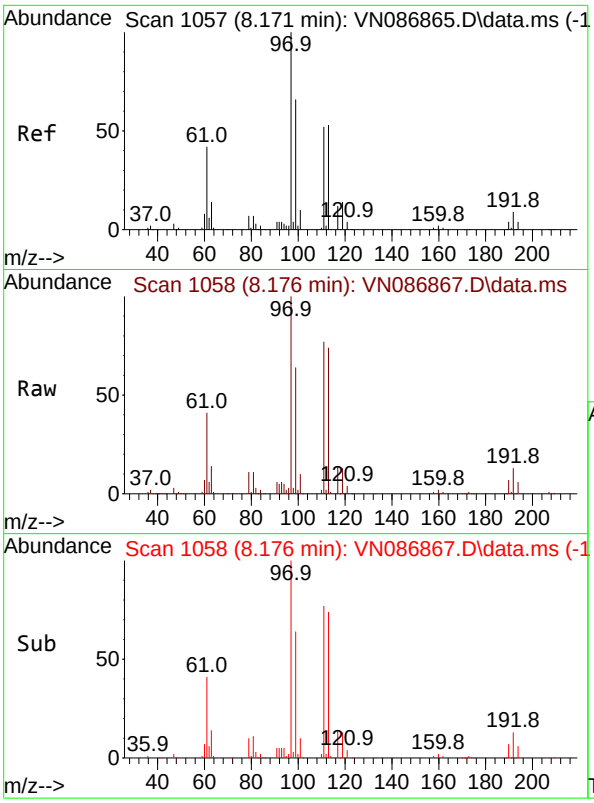


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:114 Resp: 307937

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	16.5	0.0	30.2



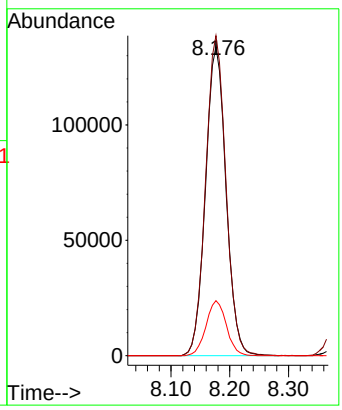


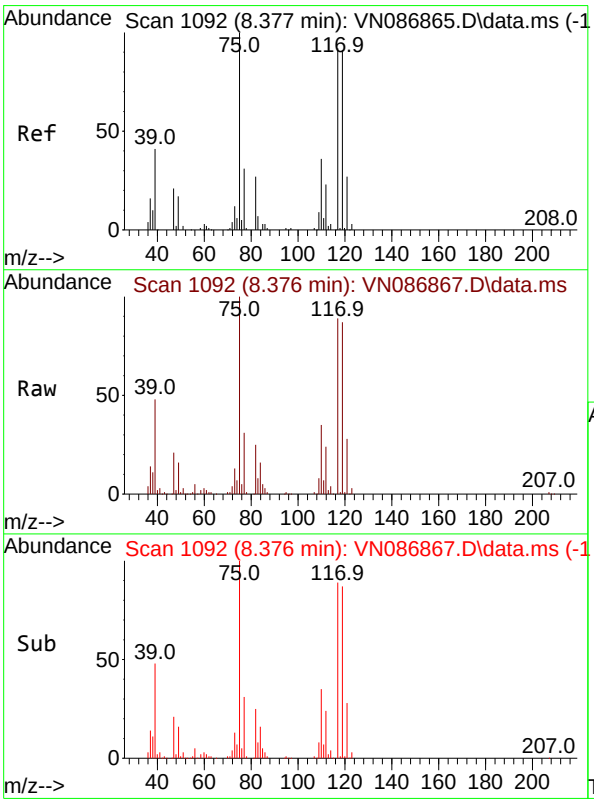
#35
Dibromofluoromethane
Concen: 177.803 ug/l
RT: 8.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 324474

Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	17.7	14.2	21.4

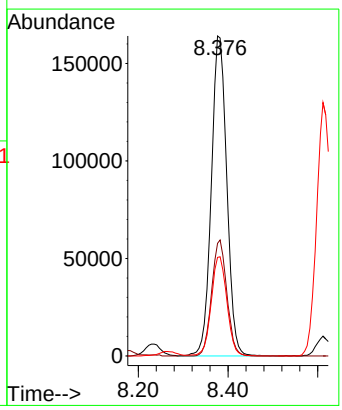


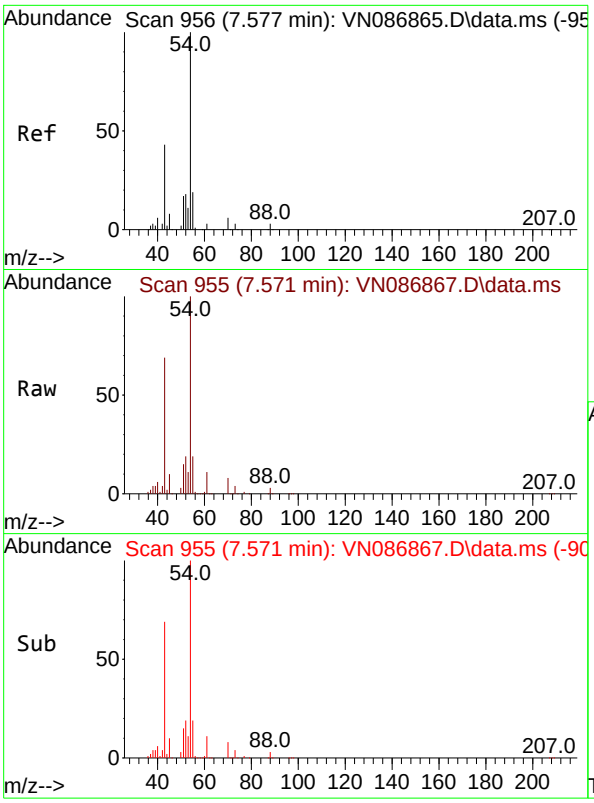


#36
1,1-Dichloropropene
Concen: 144.584 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 393166

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.4	25.3	37.9



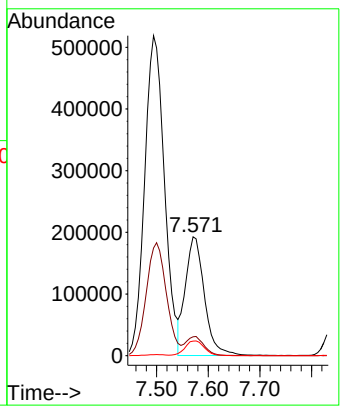


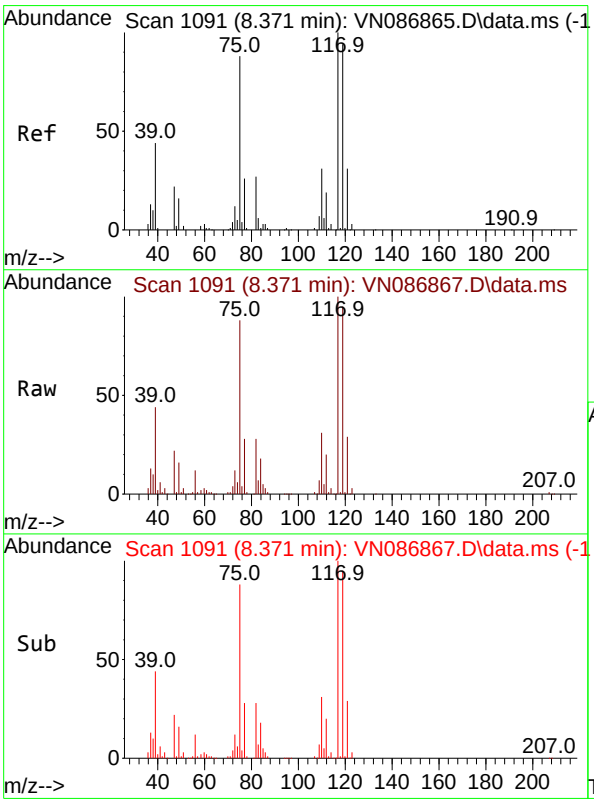
#37
Ethyl Acetate
Concen: 142.706 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 494000

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.7	9.8	14.6

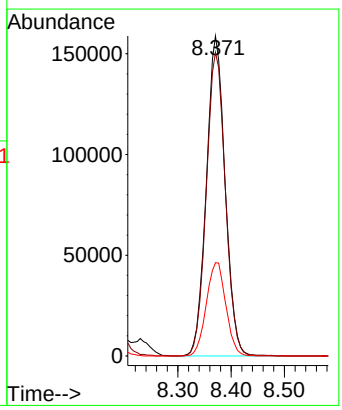


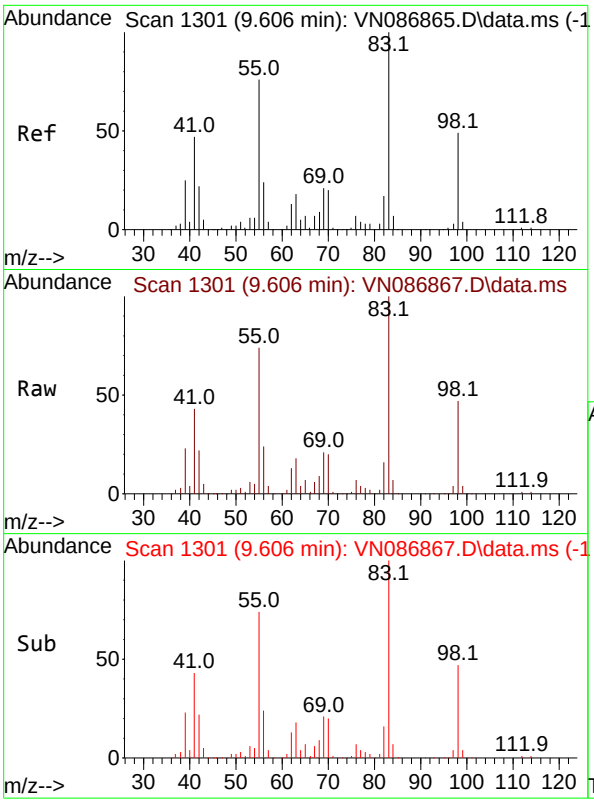


#38
Carbon Tetrachloride
Concen: 145.557 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 388595

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.0	112.6
121	29.1	24.9	37.3



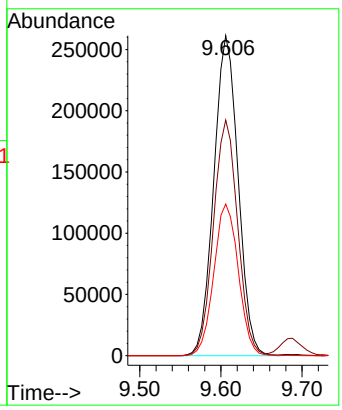


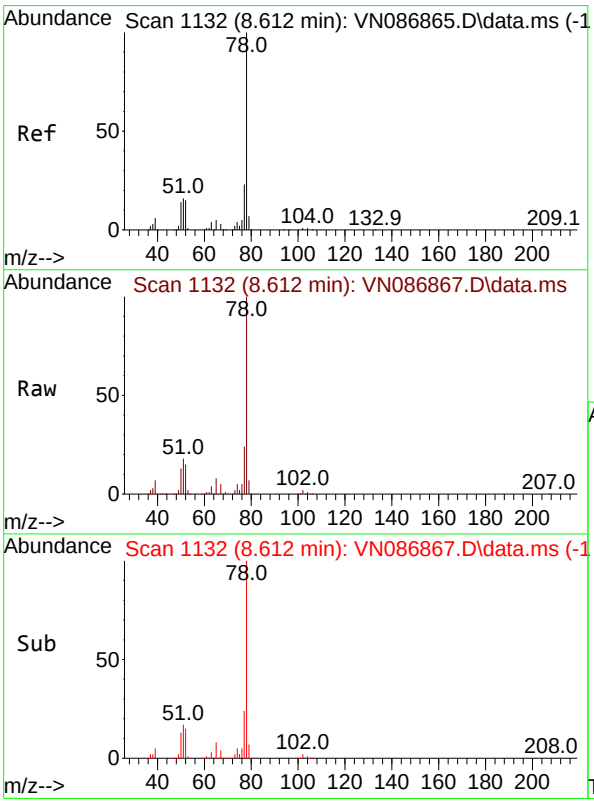
#39
Methylcyclohexane
Concen: 146.136 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 544437

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	47.4	38.9	58.3

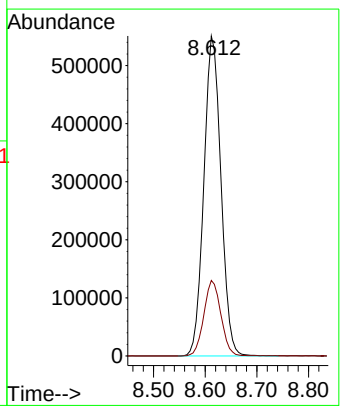


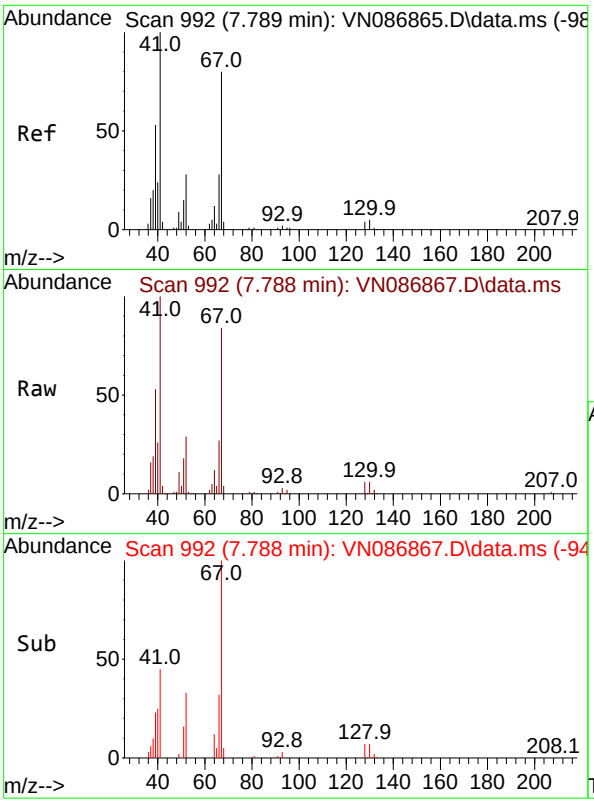


#40
Benzene
Concen: 142.388 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 78 Resp: 1266139

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



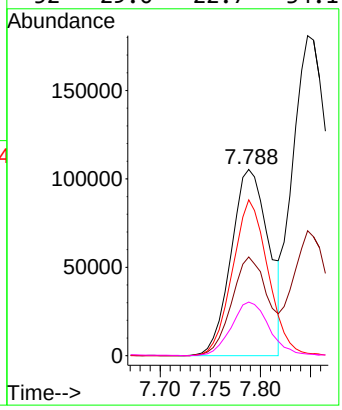


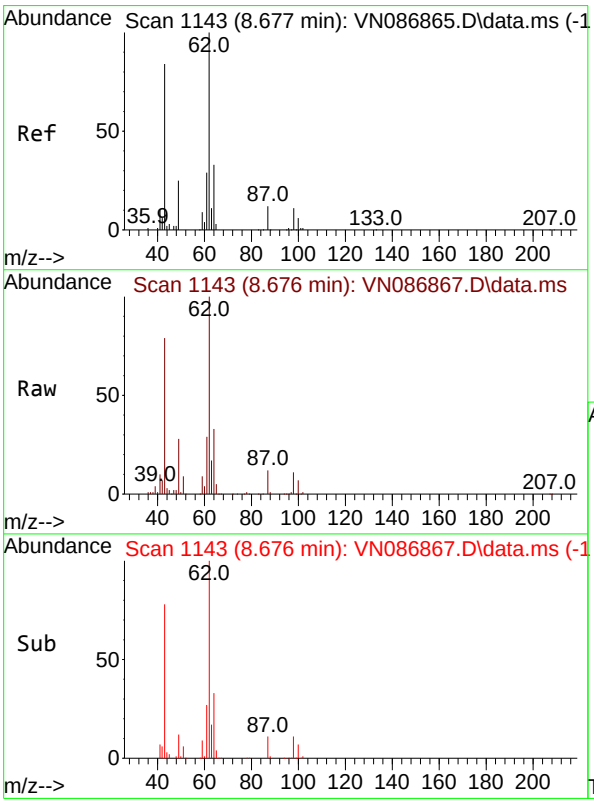
#41
Methacrylonitrile
Concen: 142.174 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 276400

Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.2	61.8
67	79.4	61.4	92.2
52	29.0	22.7	34.1

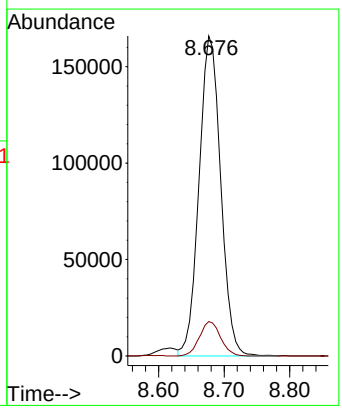


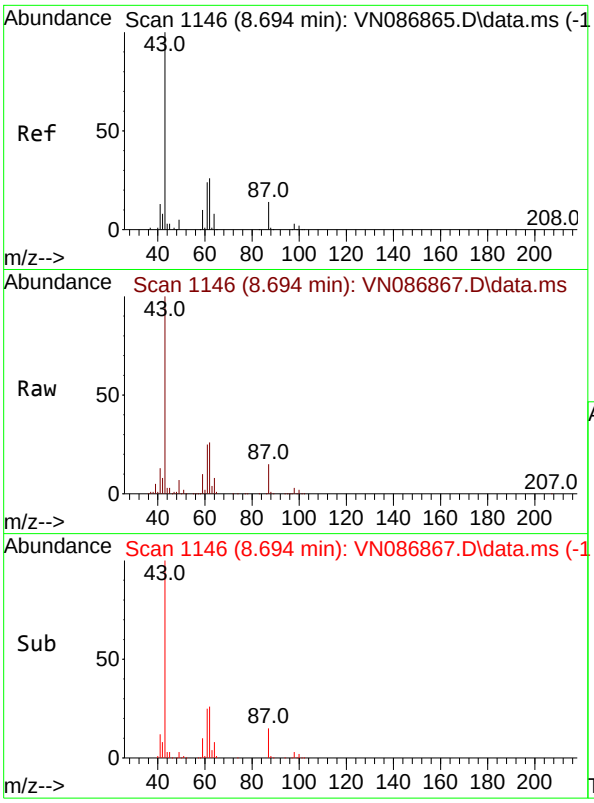


#42
1,2-Dichloroethane
Concen: 141.455 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 381516

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.2



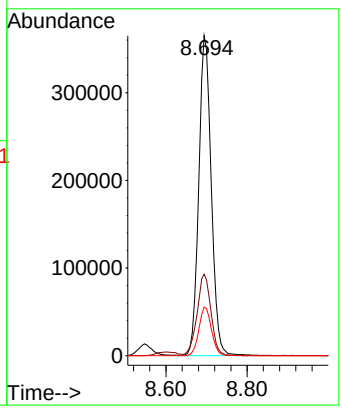


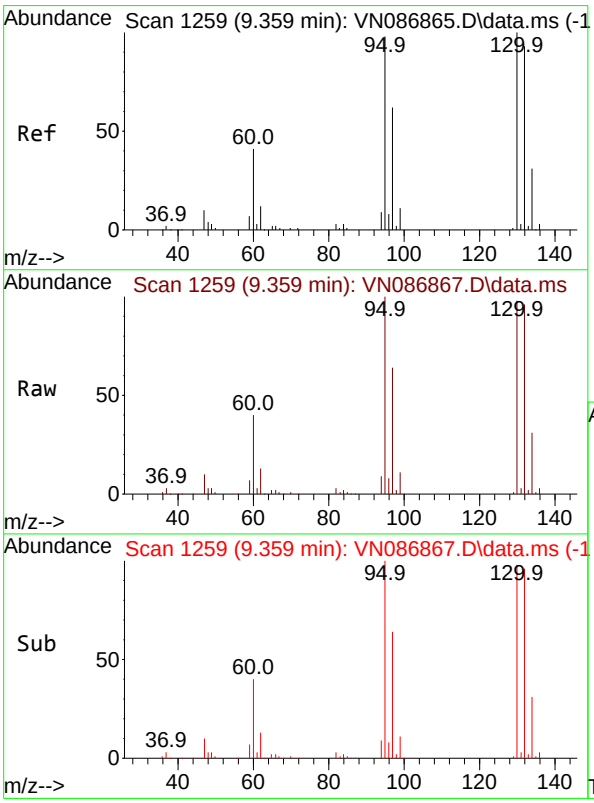
#43
Isopropyl Acetate
Concen: 140.531 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 780791

Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.1	33.1
87	15.3	11.8	17.6

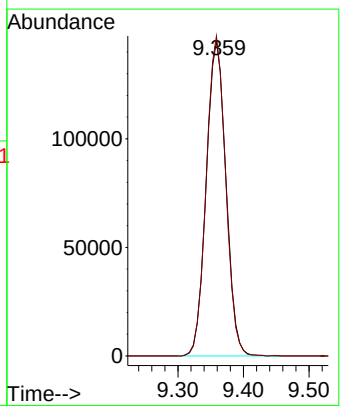


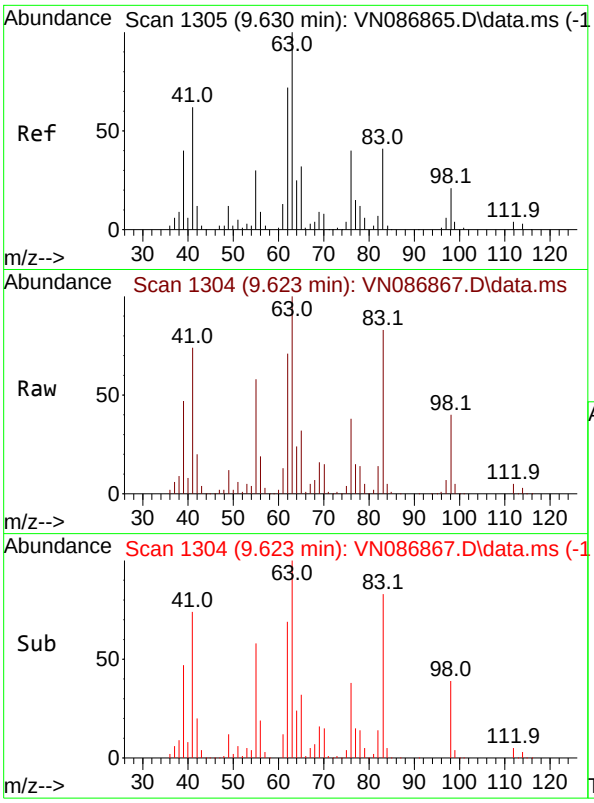


#44
Trichloroethene
Concen: 143.490 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:130 Resp: 302548

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2



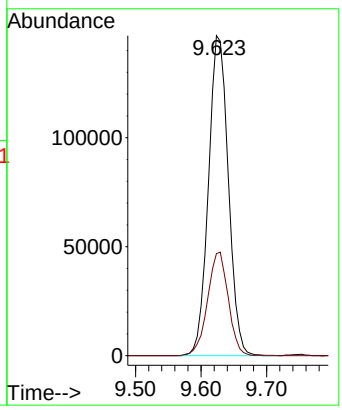


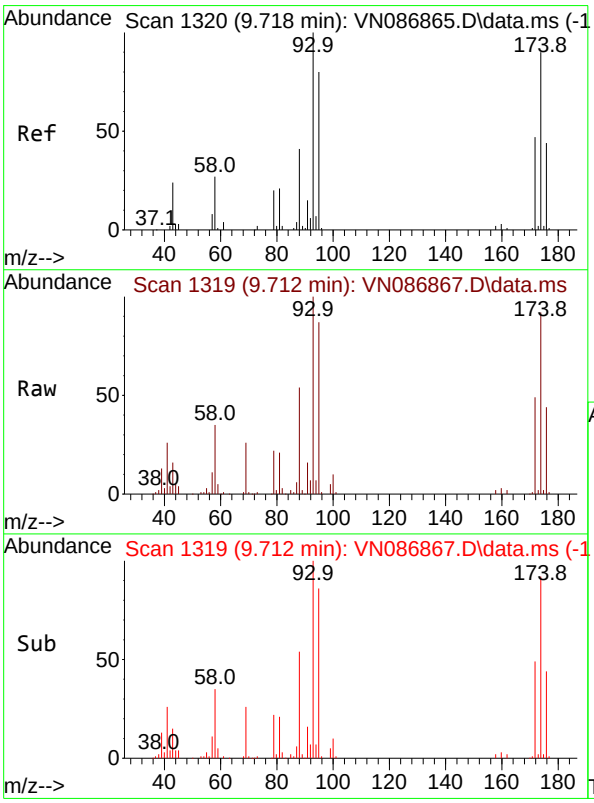
#45
1,2-Dichloropropane
Concen: 142.856 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 309047

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

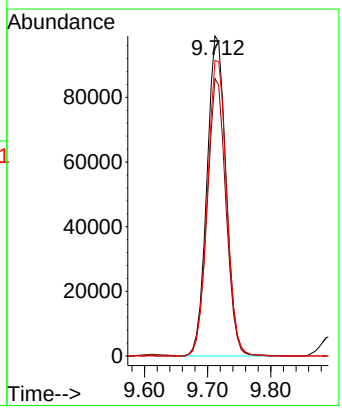


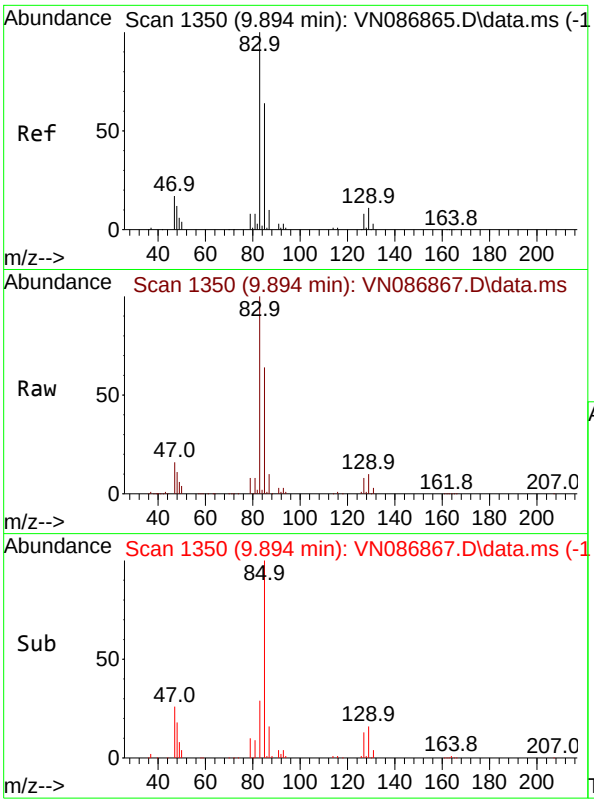


#46
Dibromomethane
Concen: 145.074 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 93 Resp: 208461

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	92.8	74.2	111.4



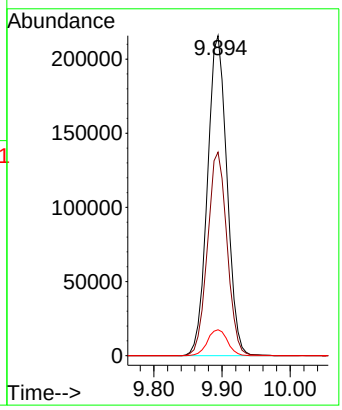


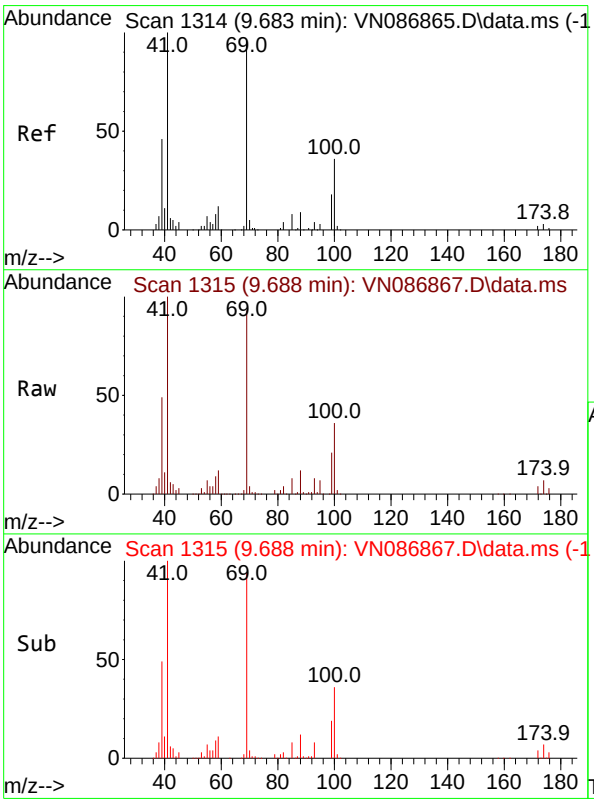
#47
Bromodichloromethane
Concen: 145.449 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 430011

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.6	10.0

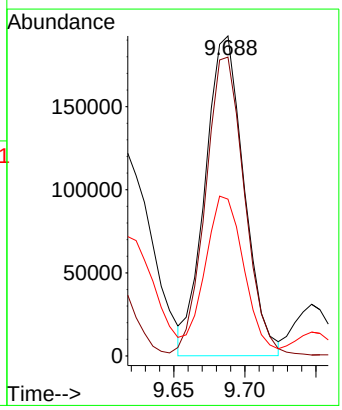


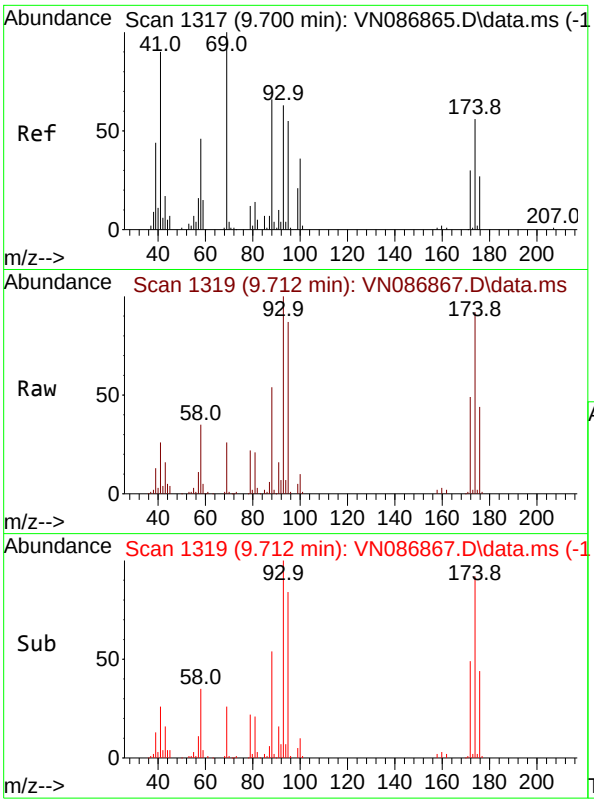


#48
Methyl methacrylate
Concen: 143.502 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 366967

Ion	Ratio	Lower	Upper
41	100		
69	94.2	74.6	112.0
39	50.8	40.2	60.4



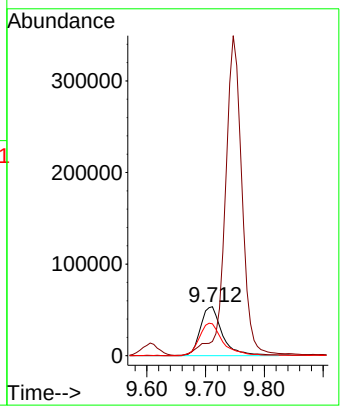


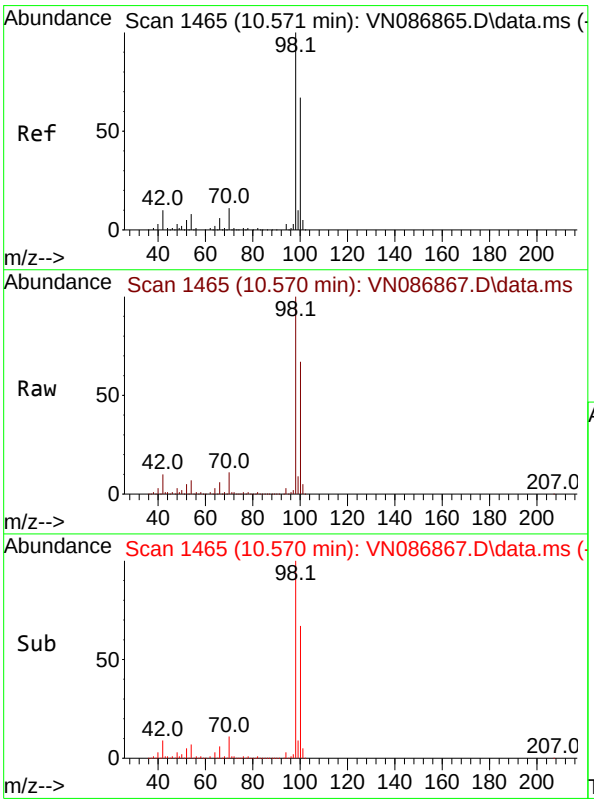
#49
1,4-Dioxane
Concen: 2967.116 ug/l
RT: 9.712 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 138035

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	57.7	86.5

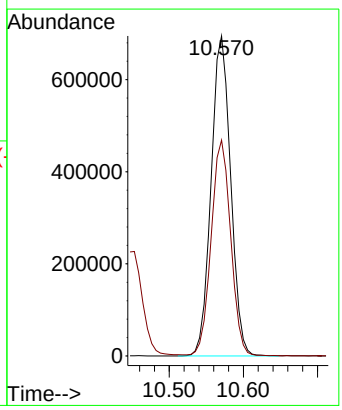


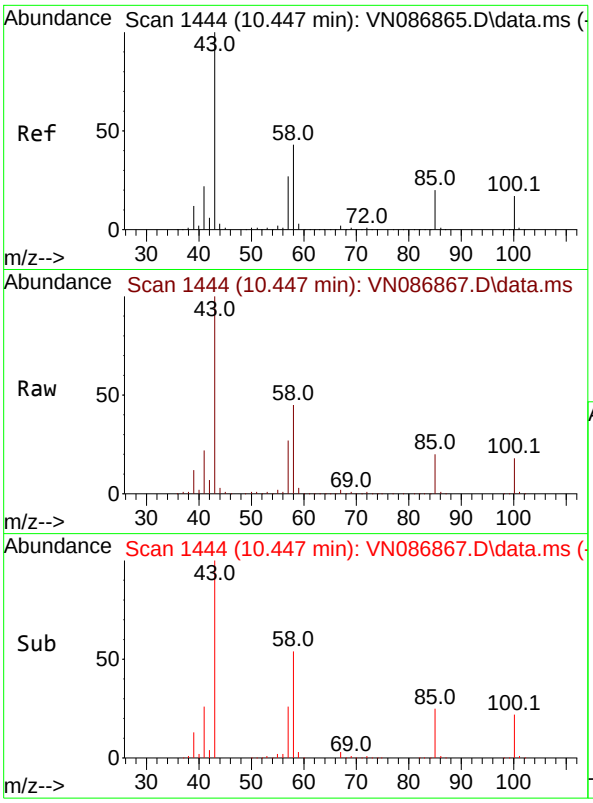


#50
Toluene-d8
Concen: 176.120 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 98 Resp: 1272348

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0



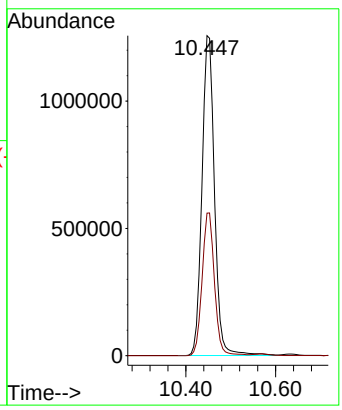


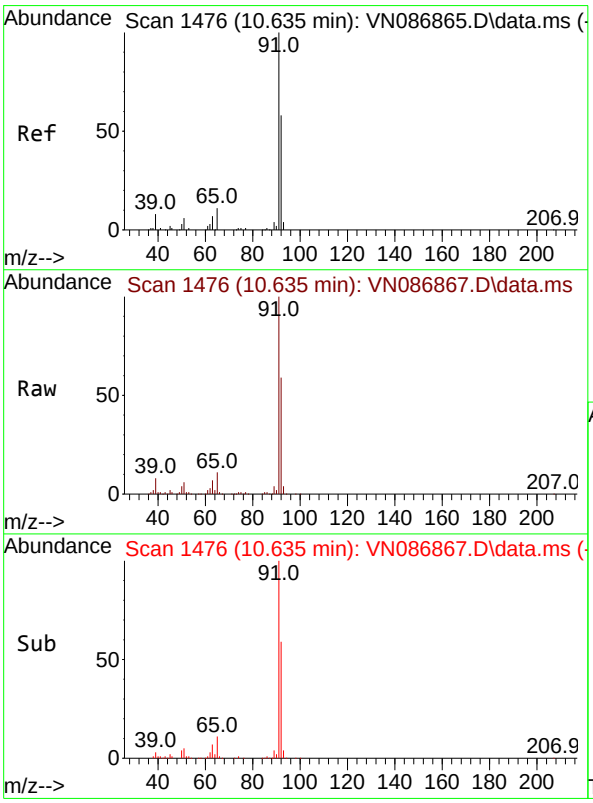
#51
4-Methyl-2-Pentanone
Concen: 728.995 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2438311

Ion	Ratio	Lower	Upper
43	100		
58	44.0	34.2	51.4

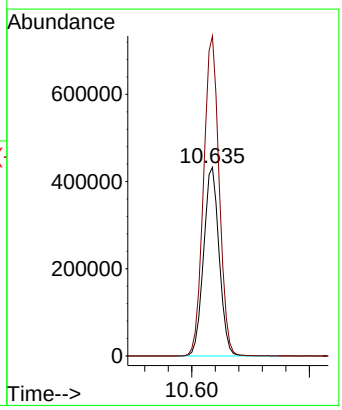


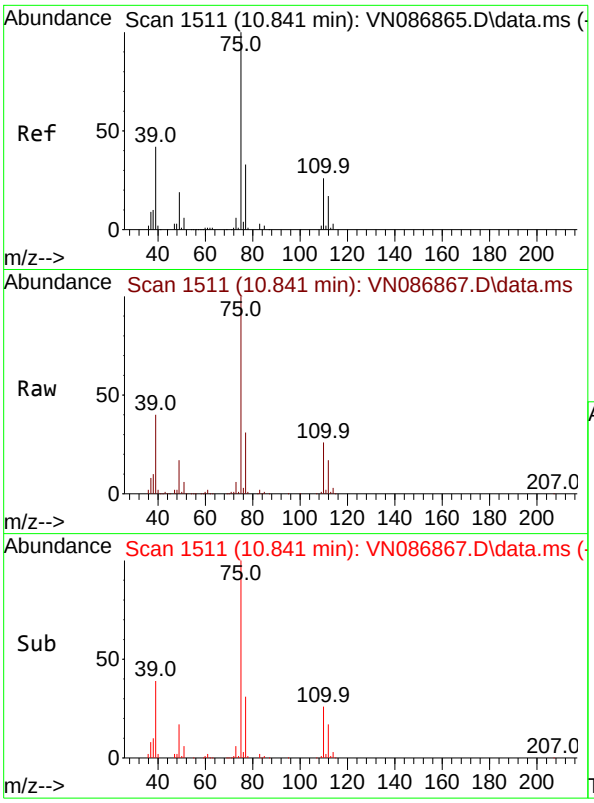


#52
Toluene
Concen: 145.976 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 92 Resp: 793270

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7



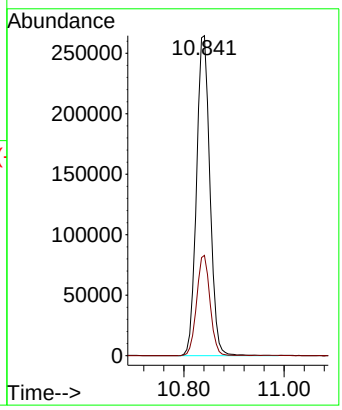


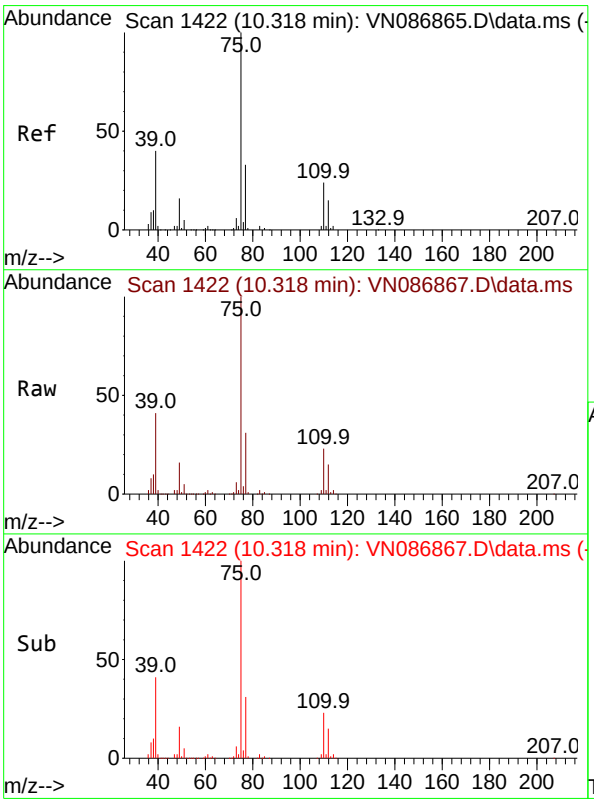
#53
t-1,3-Dichloropropene
Concen: 148.163 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 489809

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

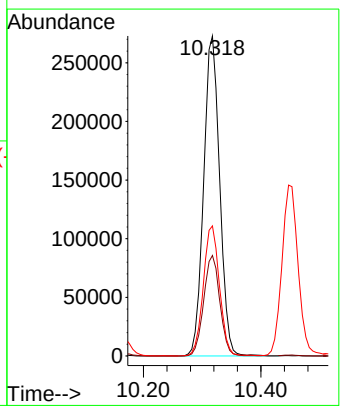


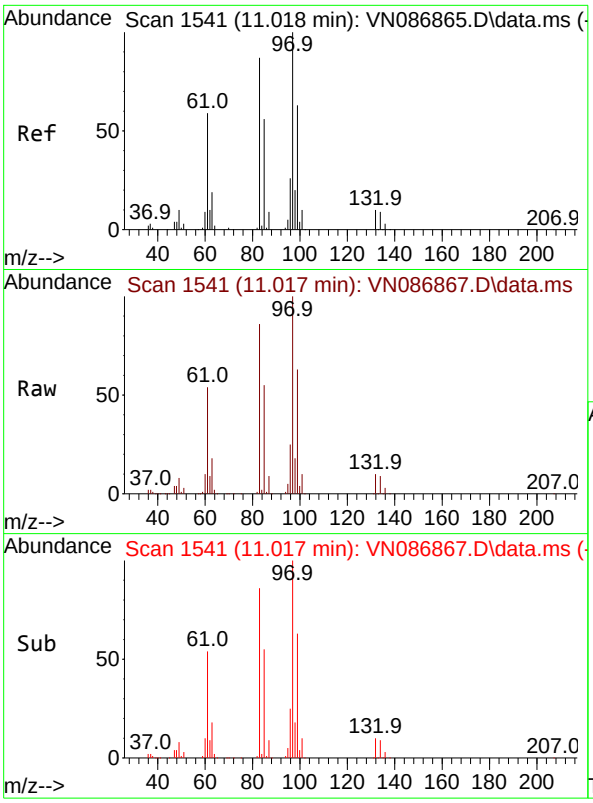


#54
cis-1,3-Dichloropropene
Concen: 146.469 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 518092

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	40.6	32.3	48.5



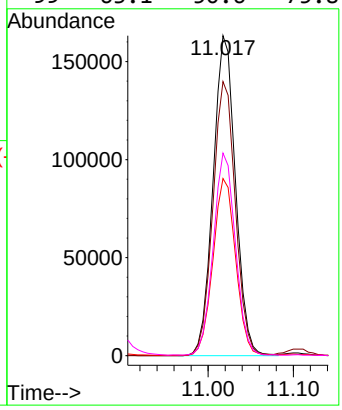


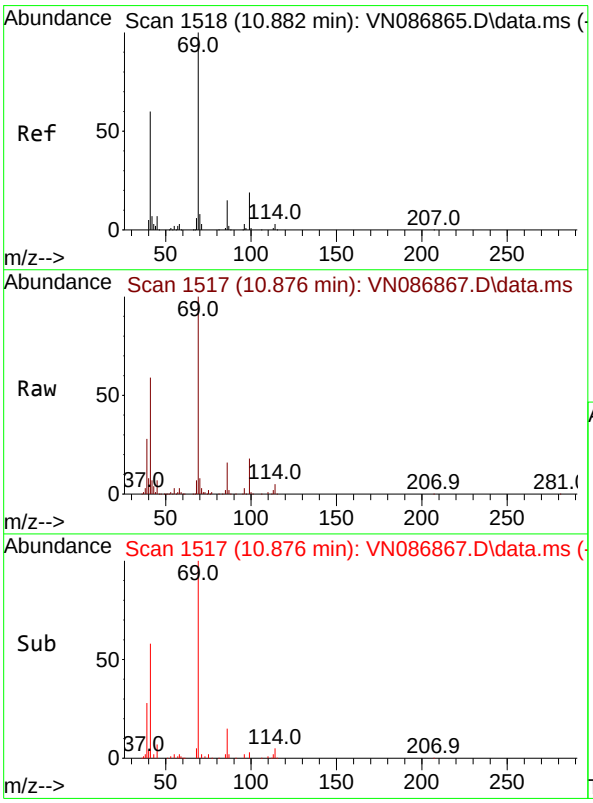
#55
1,1,2-Trichloroethane
Concen: 142.588 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 298151

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	55.2	45.1	67.7
99	63.1	50.6	75.8

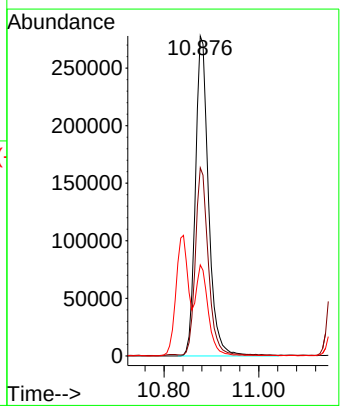


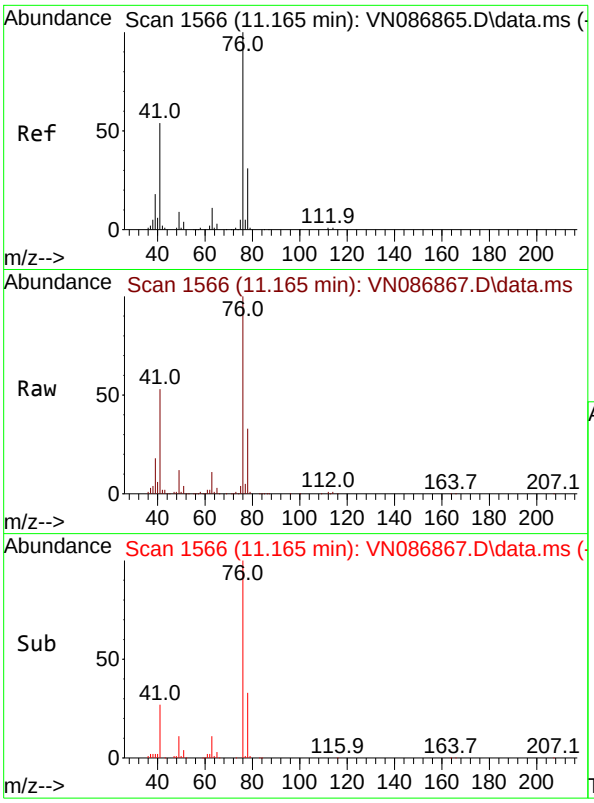


#56
Ethyl methacrylate
Concen: 160.311 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 69 Resp: 533912

Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.2	70.8
39	27.0	23.0	34.6



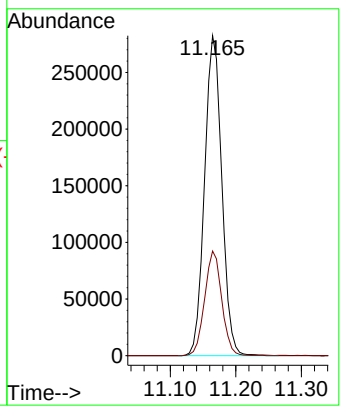


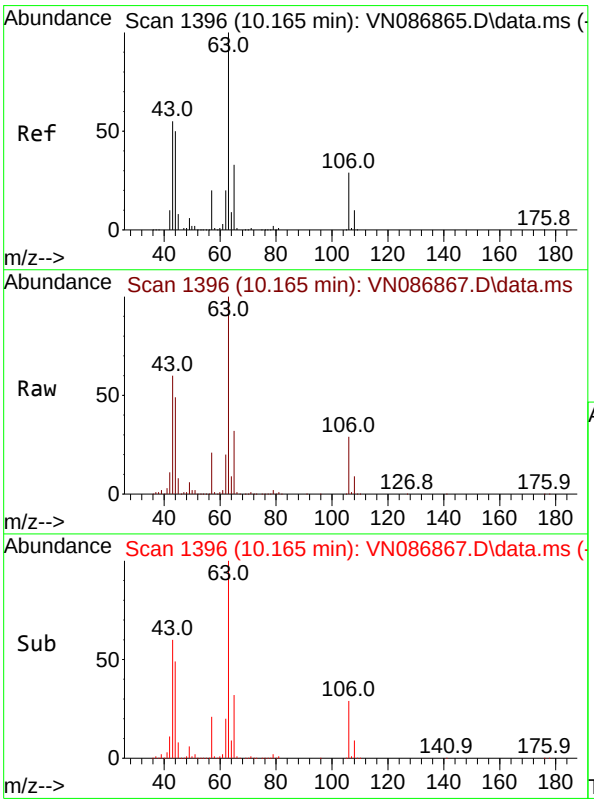
#57
1,3-Dichloropropane
Concen: 142.363 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 516391

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9

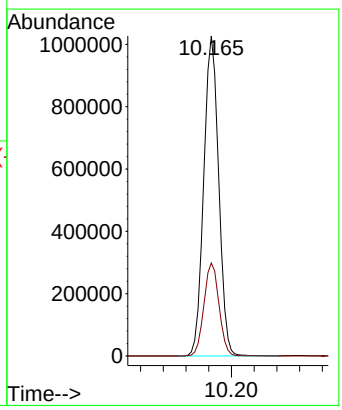


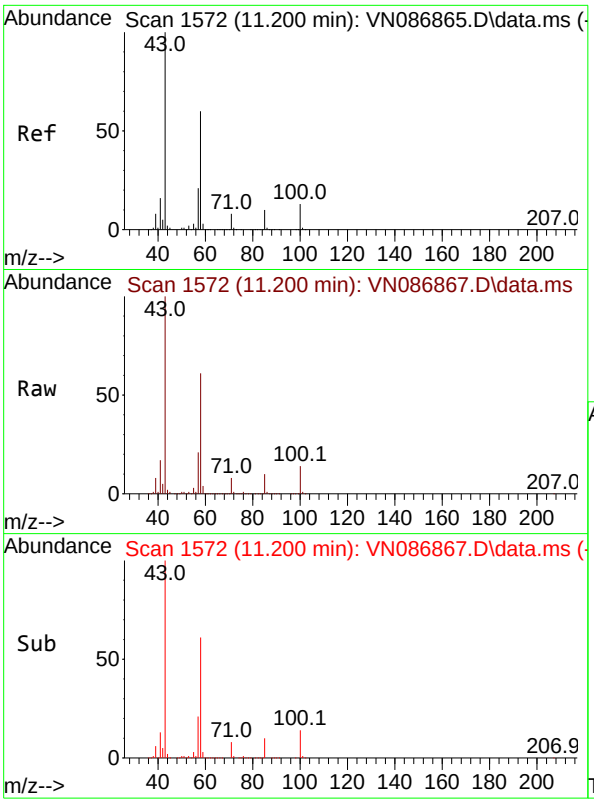


#58
2-Chloroethyl Vinyl ether
Concen: 941.147 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 1869543

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.0	34.6



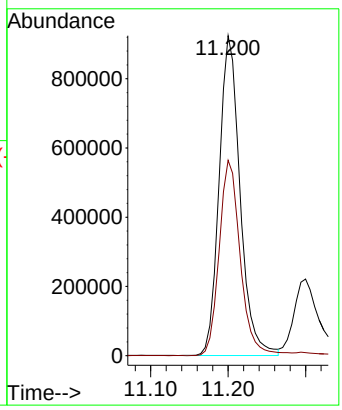


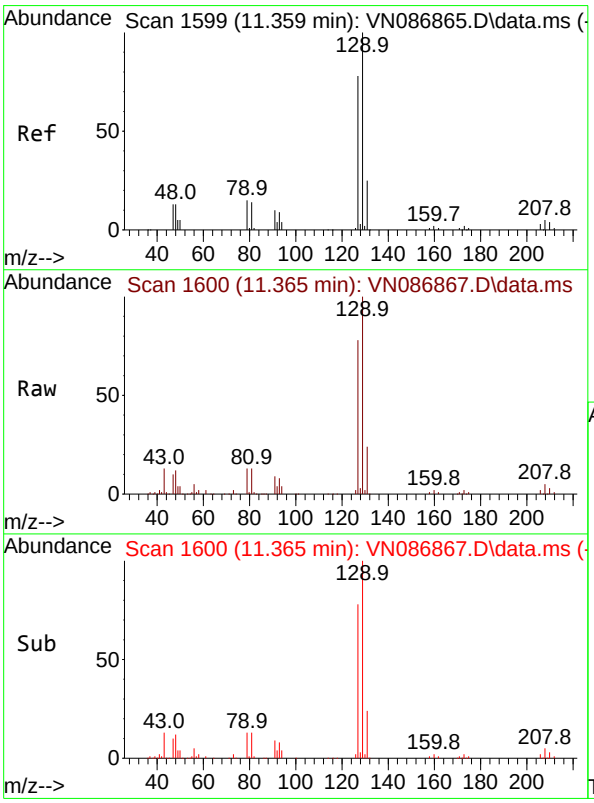
#59
2-Hexanone
Concen: 805.662 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1735777

Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.4	91.3

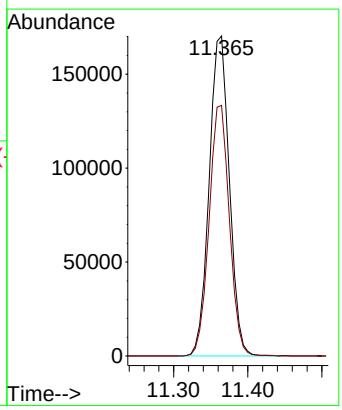


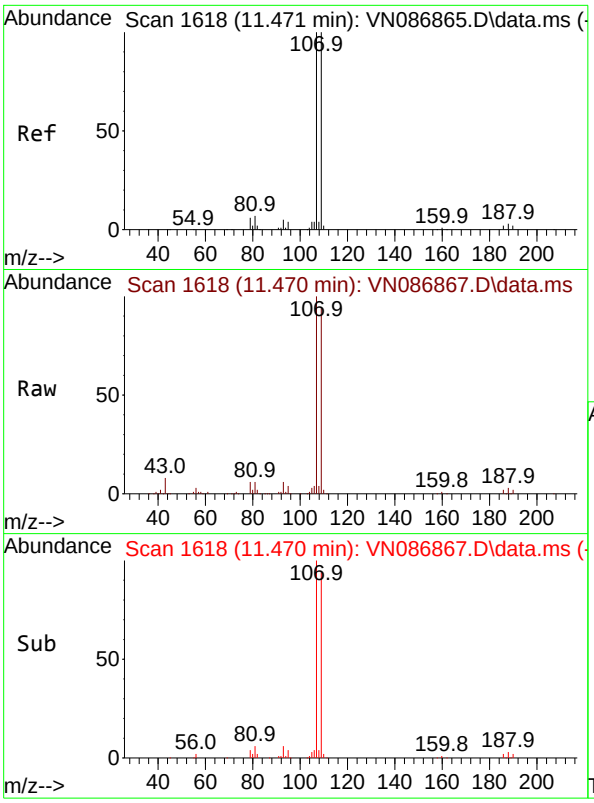


#60
Dibromochloromethane
Concen: 147.832 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:129 Resp: 322064

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8



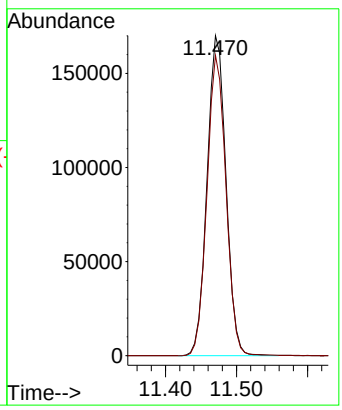


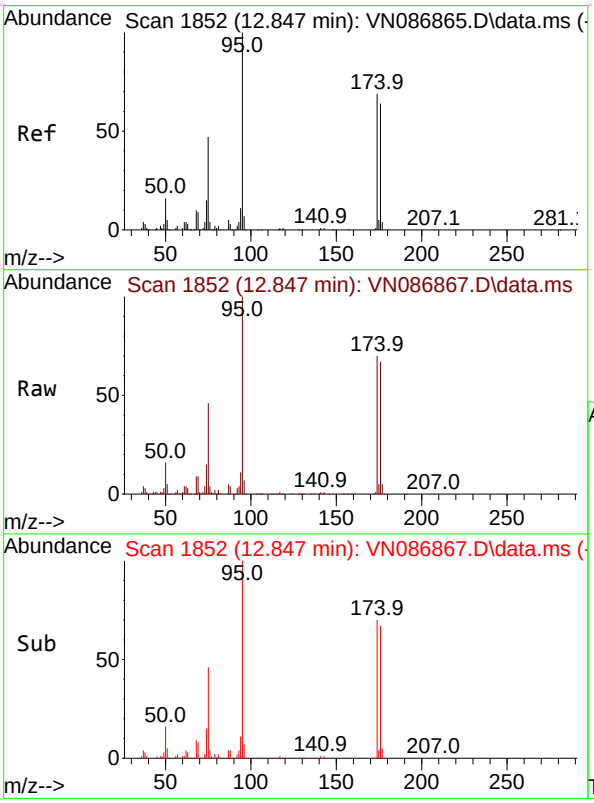
#61
1,2-Dibromoethane
Concen: 146.790 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 314606

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5

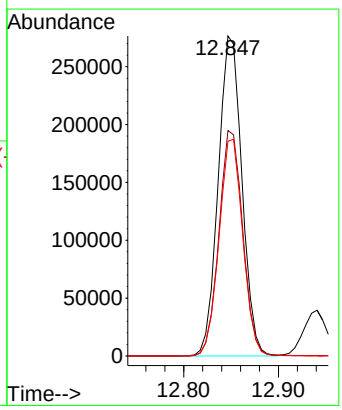


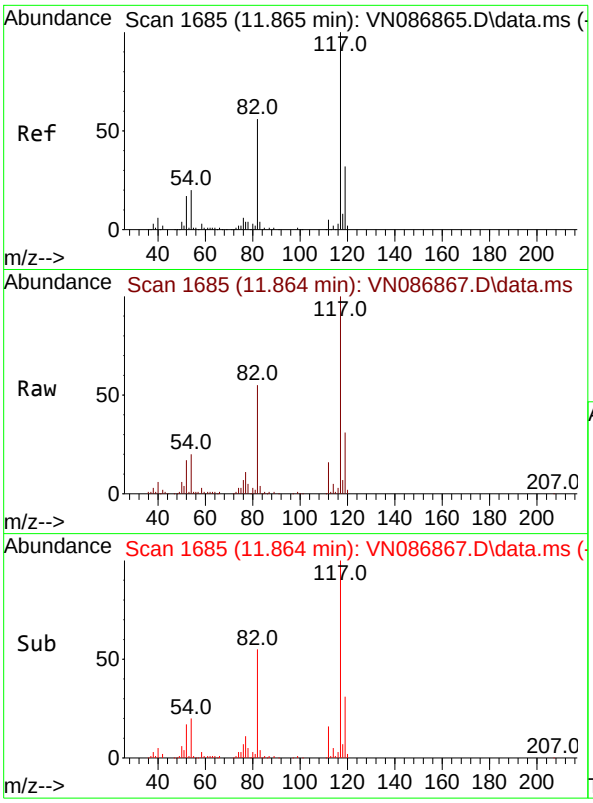


#62
4-Bromofluorobenzene
Concen: 179.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 481421

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.8
176	67.8	0.0	132.6



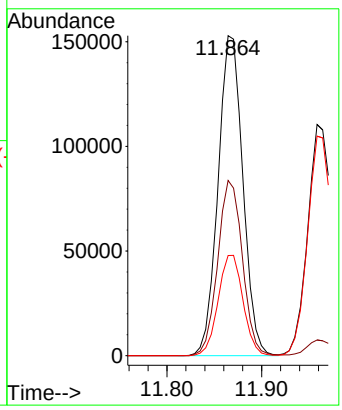


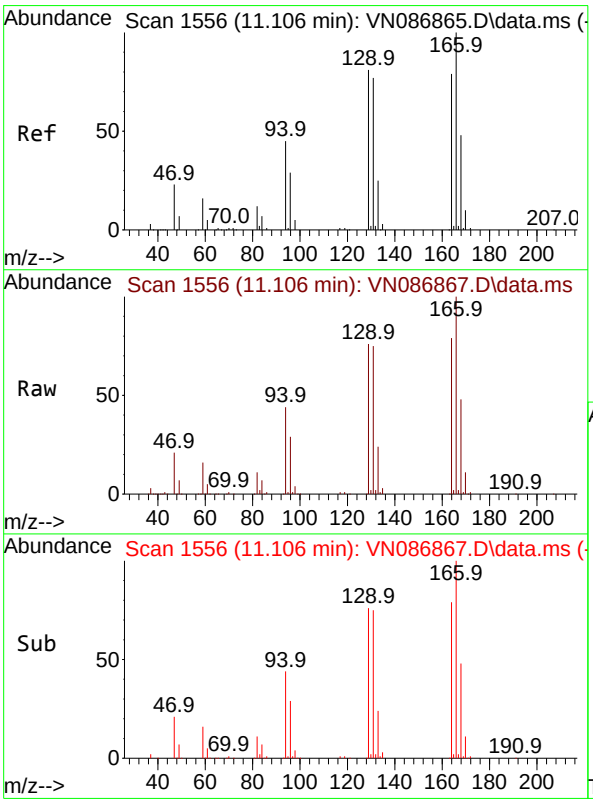
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 278552

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.3	25.5	38.3

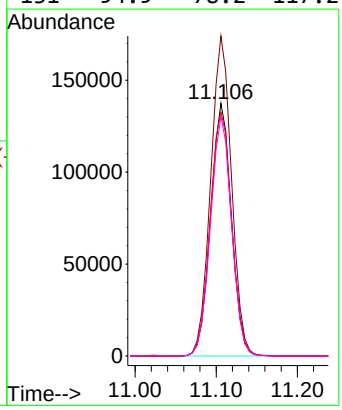


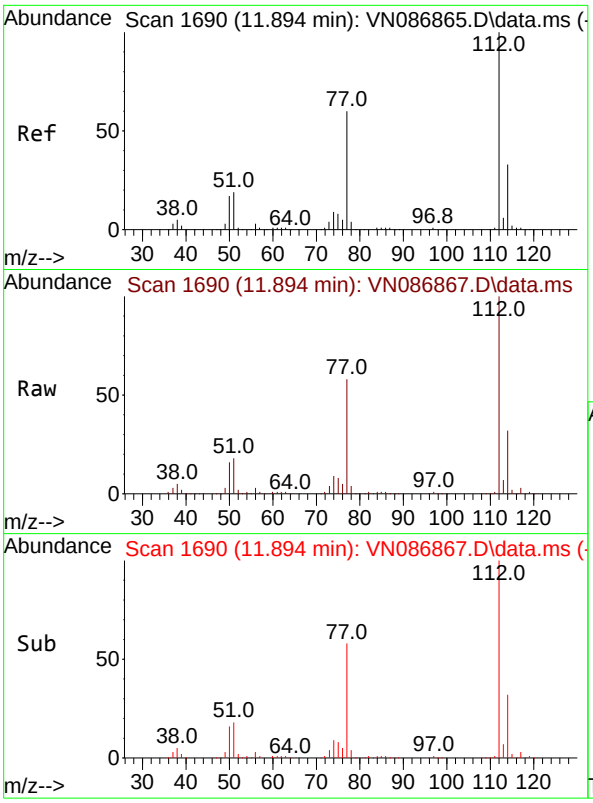


#64
Tetrachloroethene
Concen: 139.048 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:164 Resp: 245122

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.8
129	96.6	83.0	124.4
131	94.9	78.2	117.2



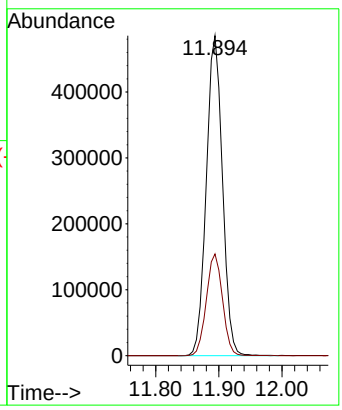


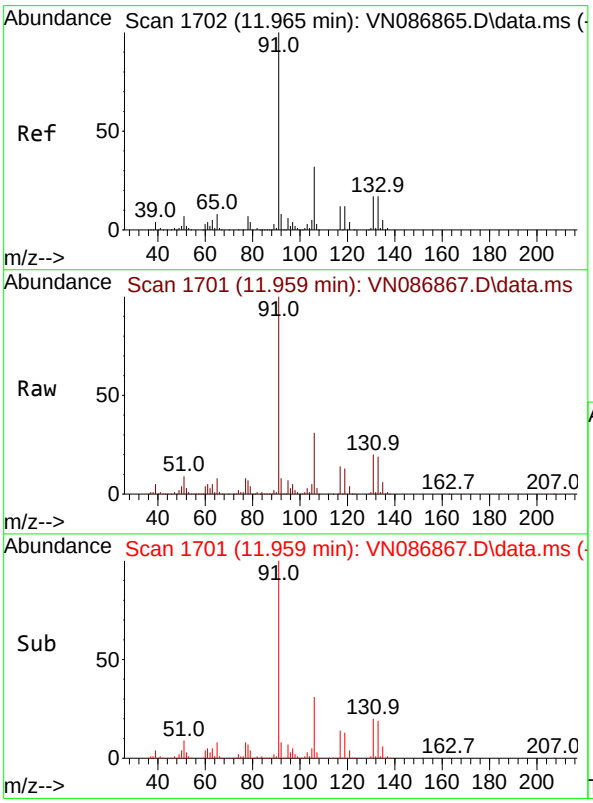
#65
Chlorobenzene
Concen: 140.041 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 860345

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2

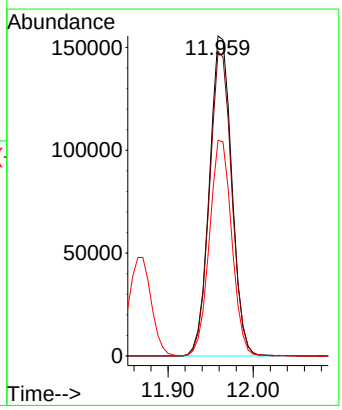


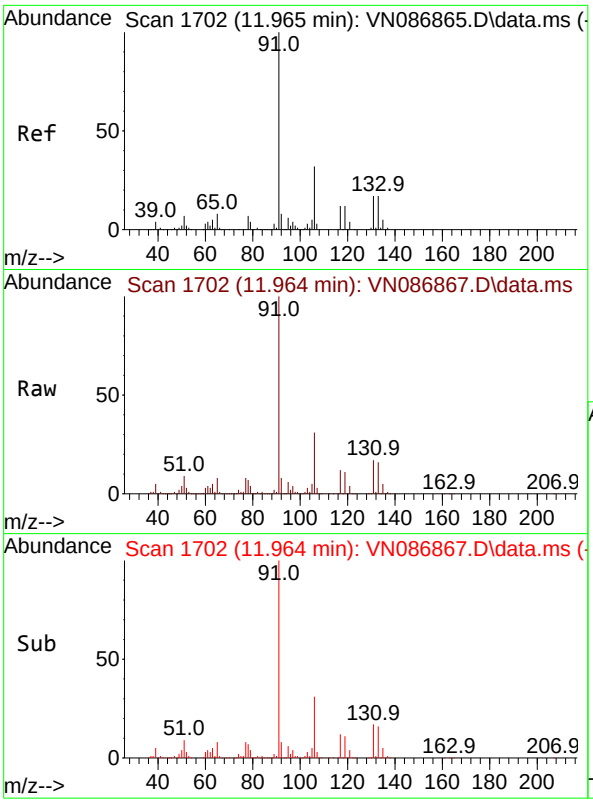


#66
1,1,1,2-Tetrachloroethane
Concen: 143.171 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:131 Resp: 282739

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.8
119	67.8	34.0	101.8



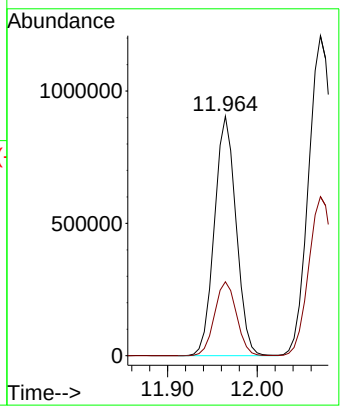


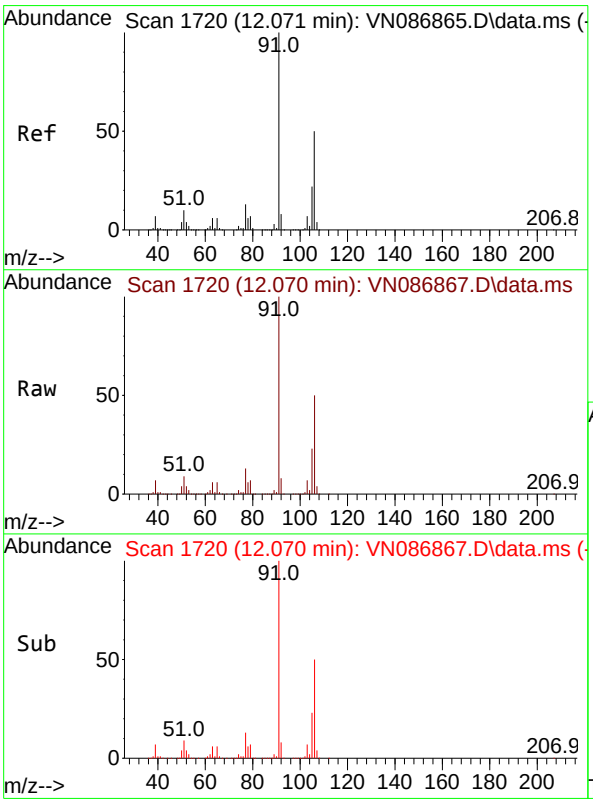
#67
Ethyl Benzene
Concen: 143.438 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1517883

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

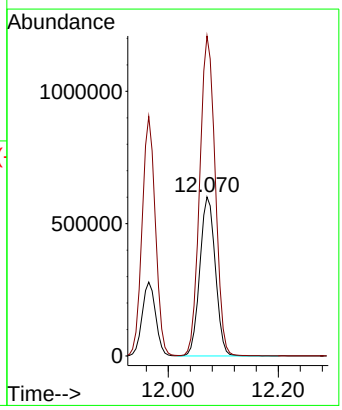


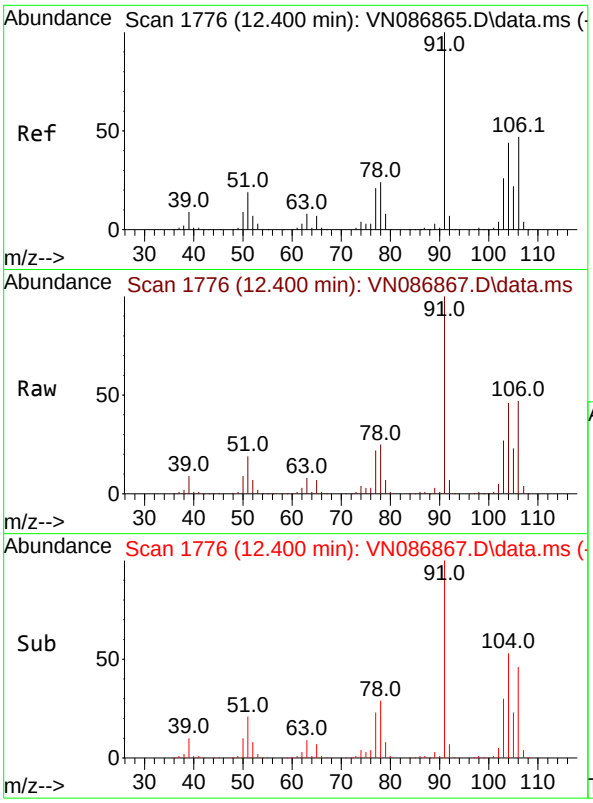


#68
m/p-Xylenes
Concen: 290.155 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 1175378

Ion	Ratio	Lower	Upper
106	100		
91	200.8	159.4	239.0



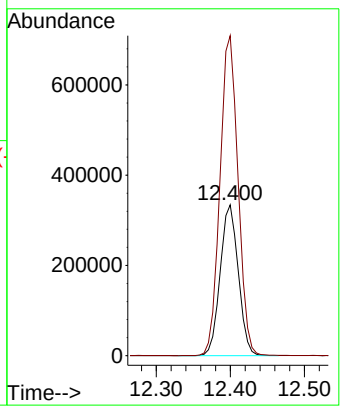


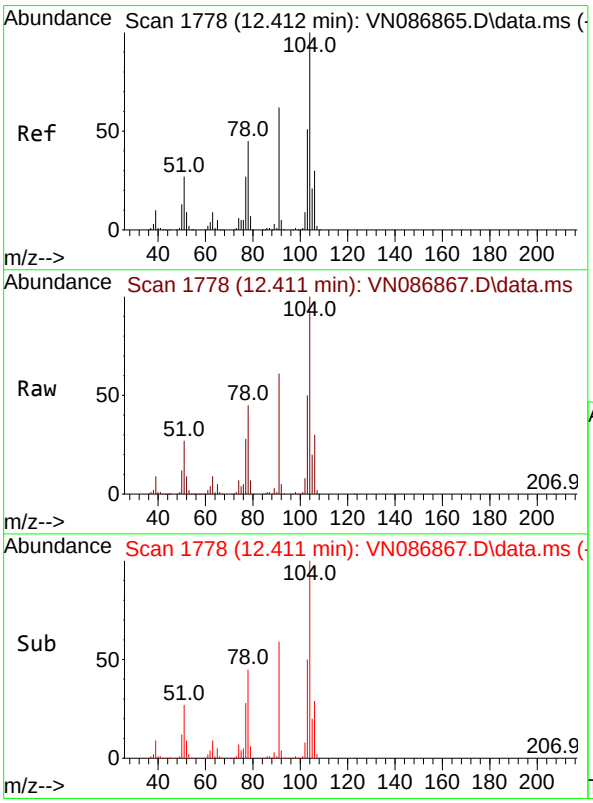
#69
o-Xylene
Concen: 145.966 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 566301

Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.1	318.1

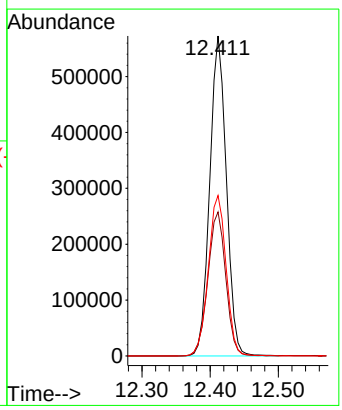


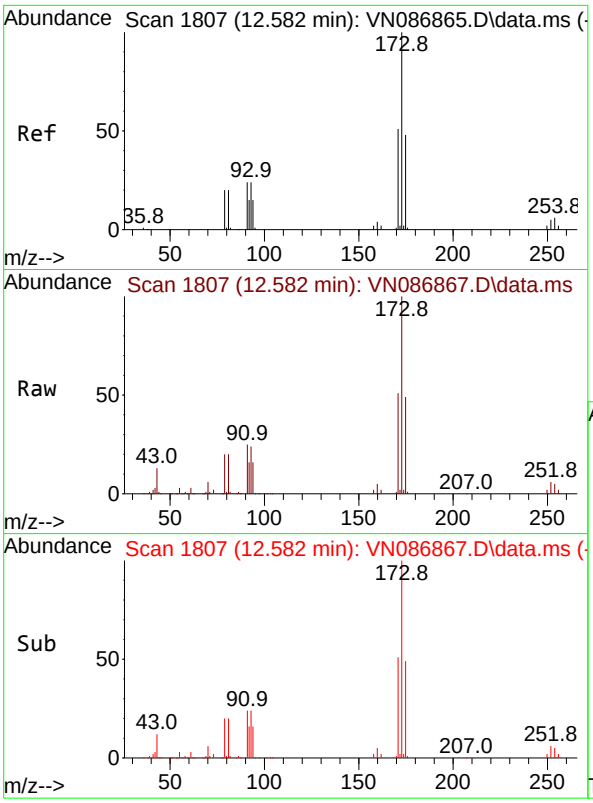


#70
Styrene
Concen: 146.459 ug/l
RT: 12.411 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:104 Resp: 972318

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7



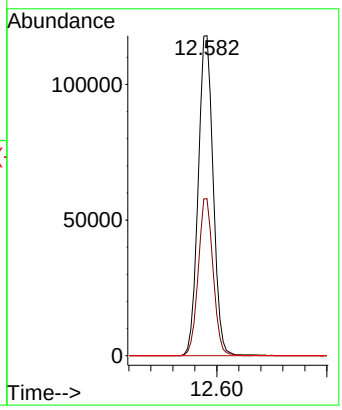


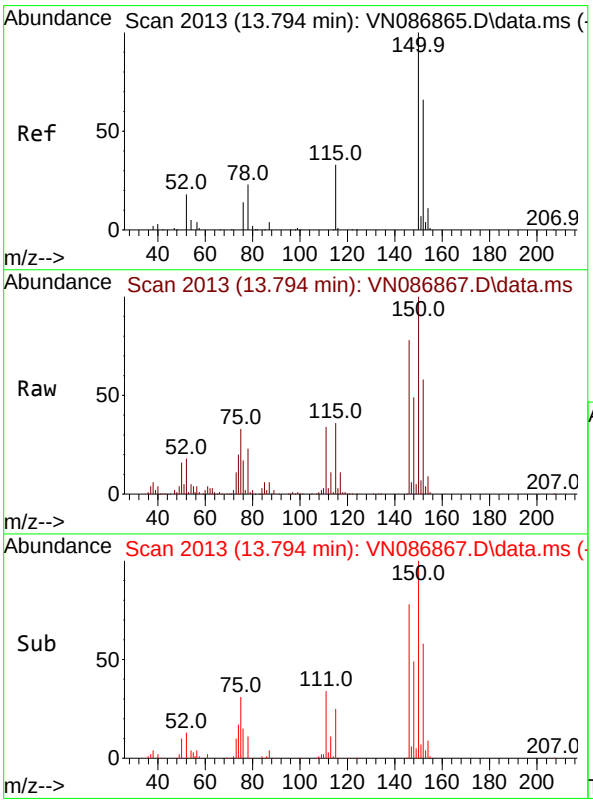
#71
Bromoform
Concen: 152.538 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 223200

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

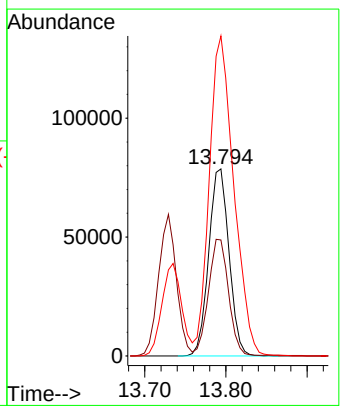


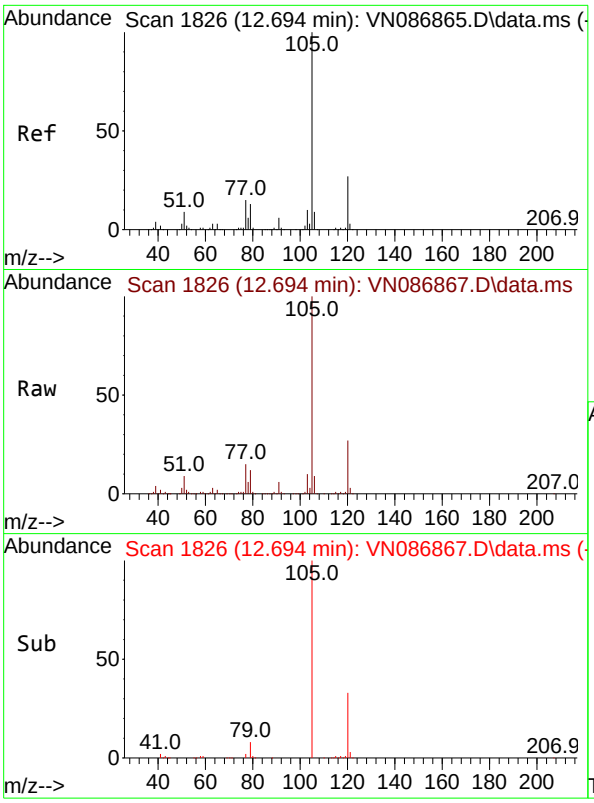


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 136630

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	206.7	0.0	345.0



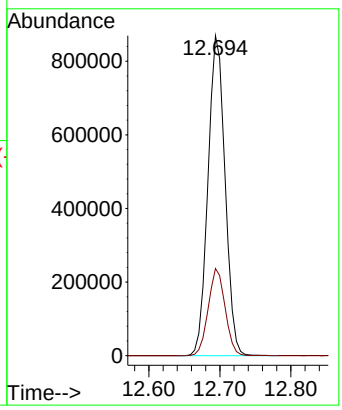


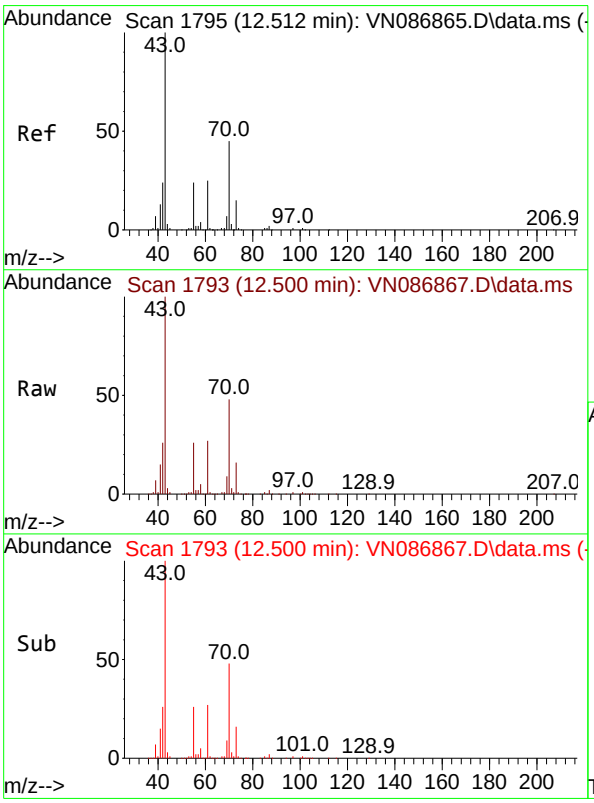
#73
Isopropylbenzene
Concen: 146.042 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1453651

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

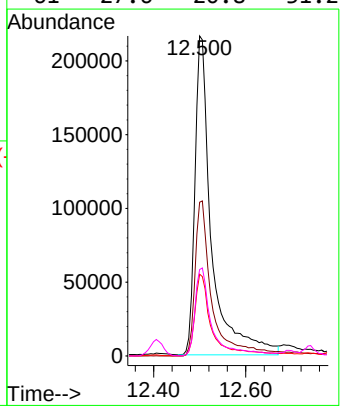


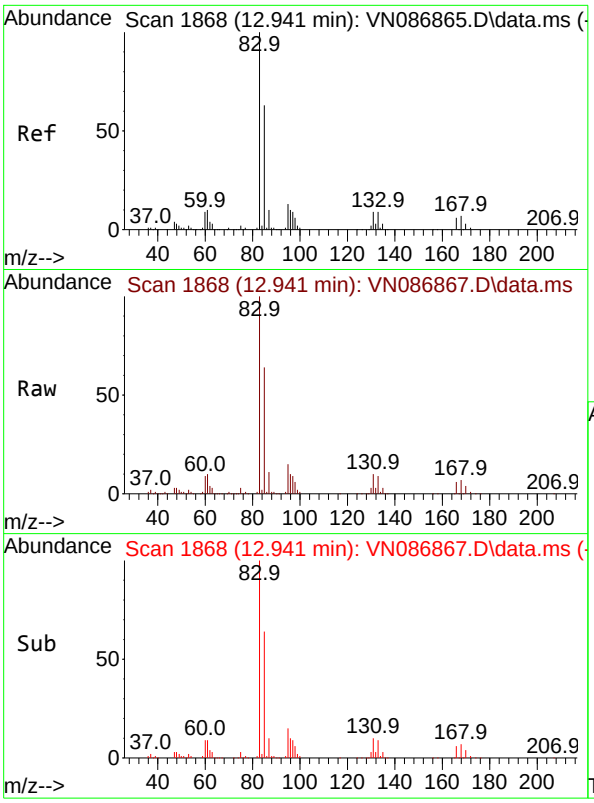


#74
N-amyl acetate
Concen: 164.596 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 543747

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.6	56.4
55	26.1	19.0	28.6
61	27.6	20.8	31.2



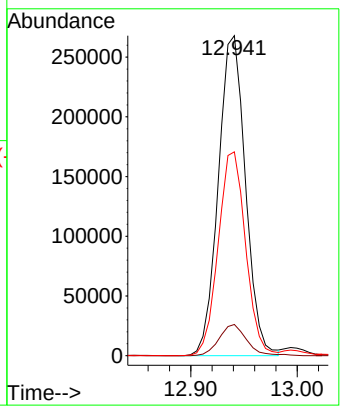


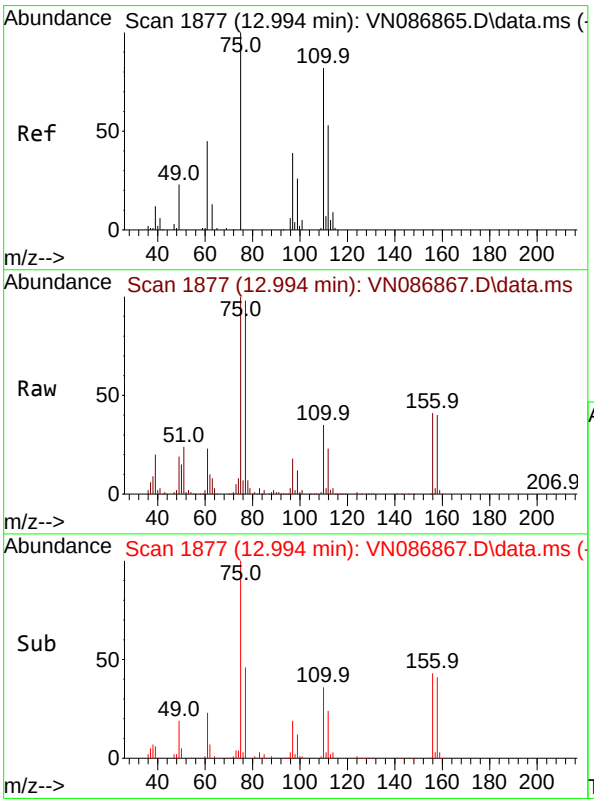
#75
1,1,2,2-Tetrachloroethane
Concen: 140.693 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 474426

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

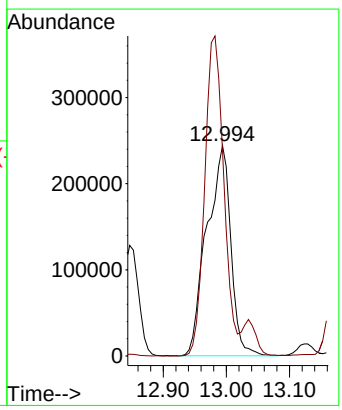


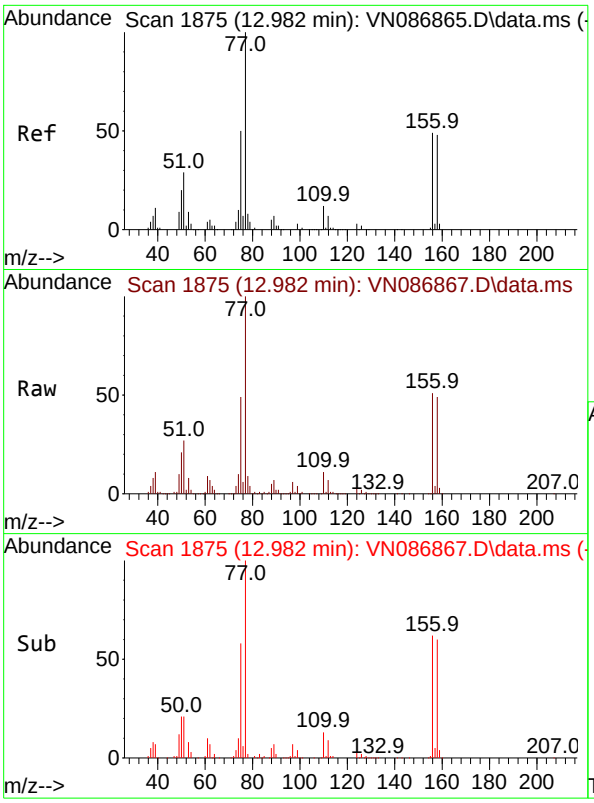


#76
1,2,3-Trichloropropane
Concen: 197.732 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 644184

Ion	Ratio	Lower	Upper
75	100		
77	120.6	79.3	237.9



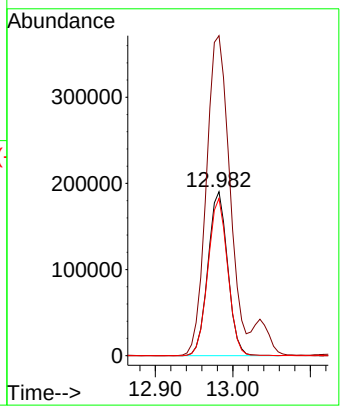


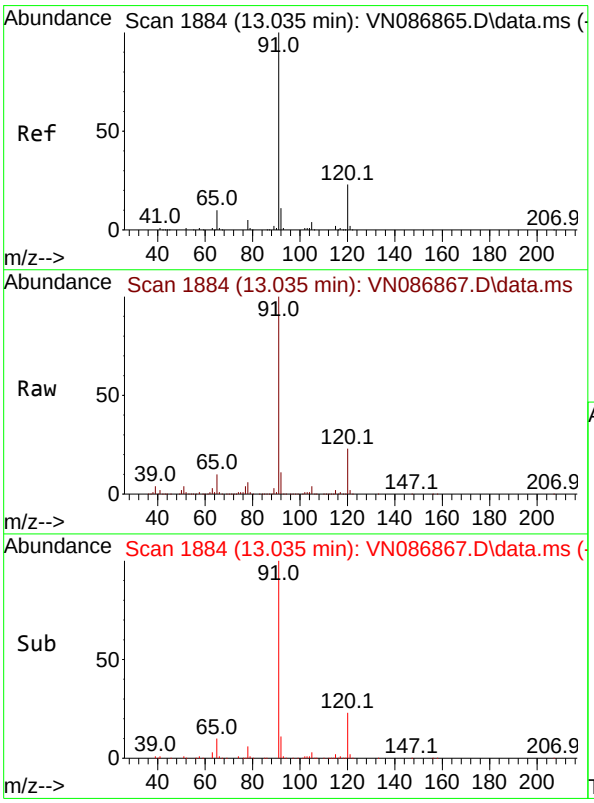
#77
Bromobenzene
Concen: 147.077 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 335734

Ion	Ratio	Lower	Upper
156	100		
77	231.5	117.7	353.1
158	96.3	48.1	144.4

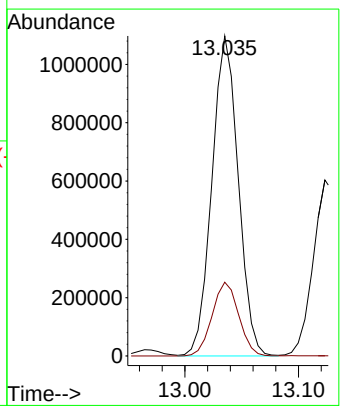


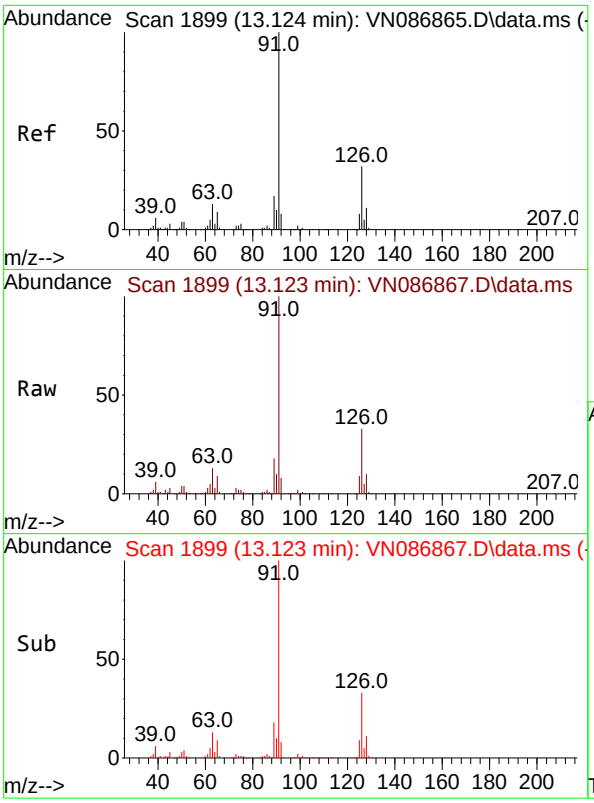


#78
n-propylbenzene
Concen: 146.301 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1769694

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2



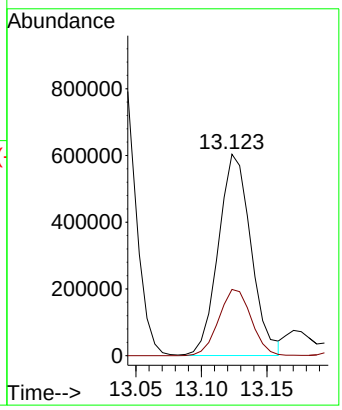


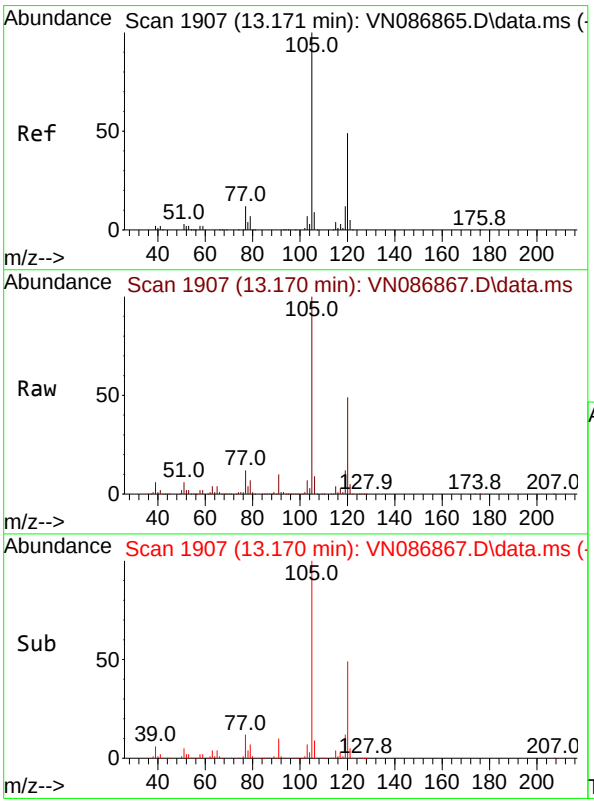
#79
2-Chlorotoluene
Concen: 144.317 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1046916

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

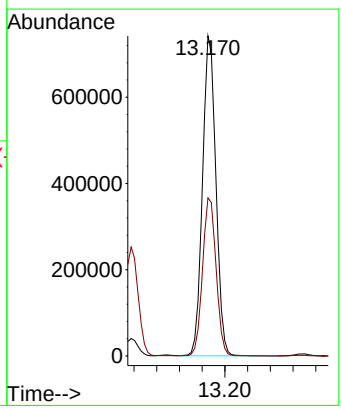


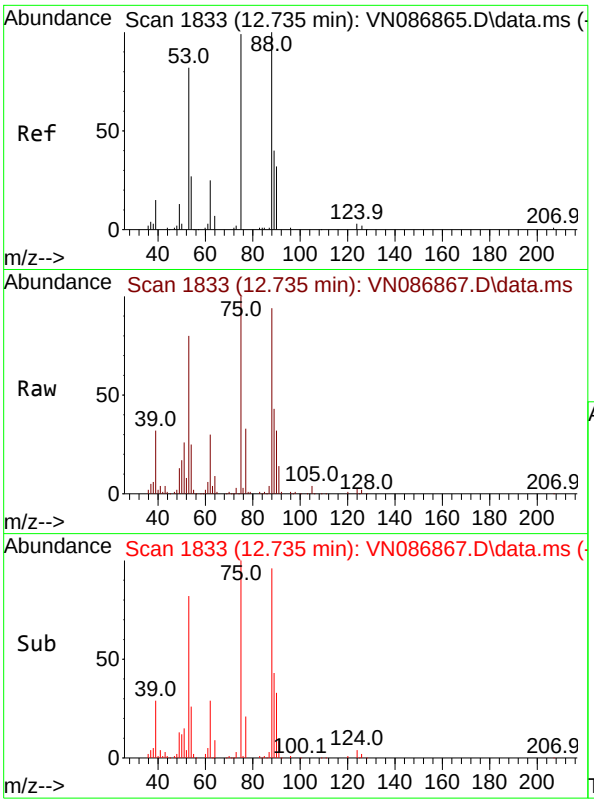


#80
1,3,5-Trimethylbenzene
Concen: 147.279 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1210325

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.6



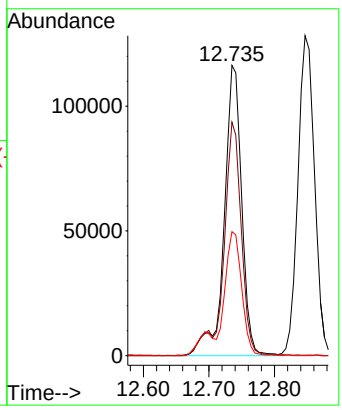


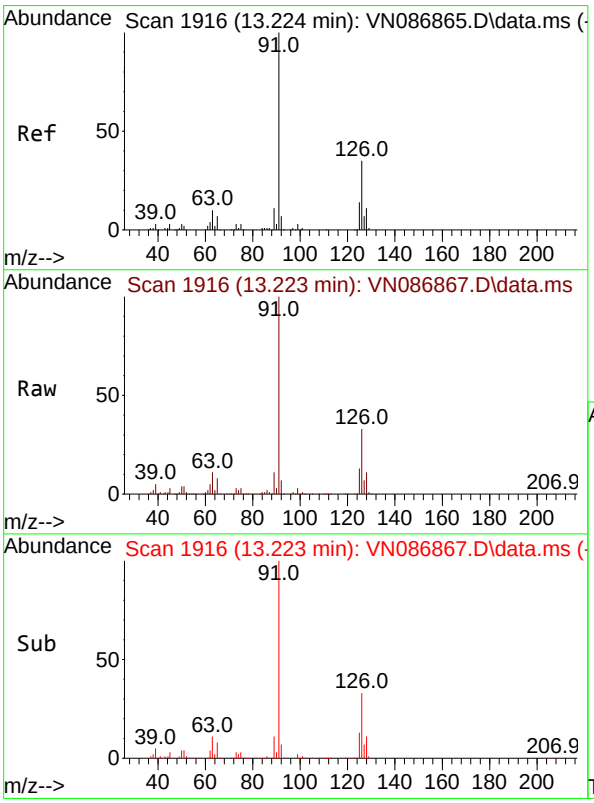
#81
trans-1,4-Dichloro-2-butene
Concen: 153.277 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 216253

Ion	Ratio	Lower	Upper
75	100		
53	81.3	66.6	99.8
89	40.0	36.7	55.1

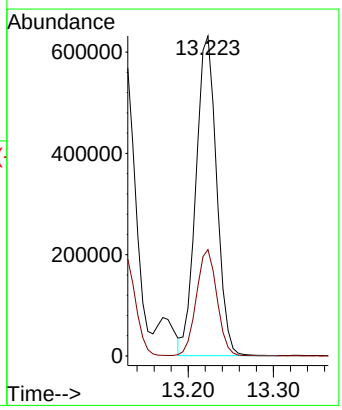


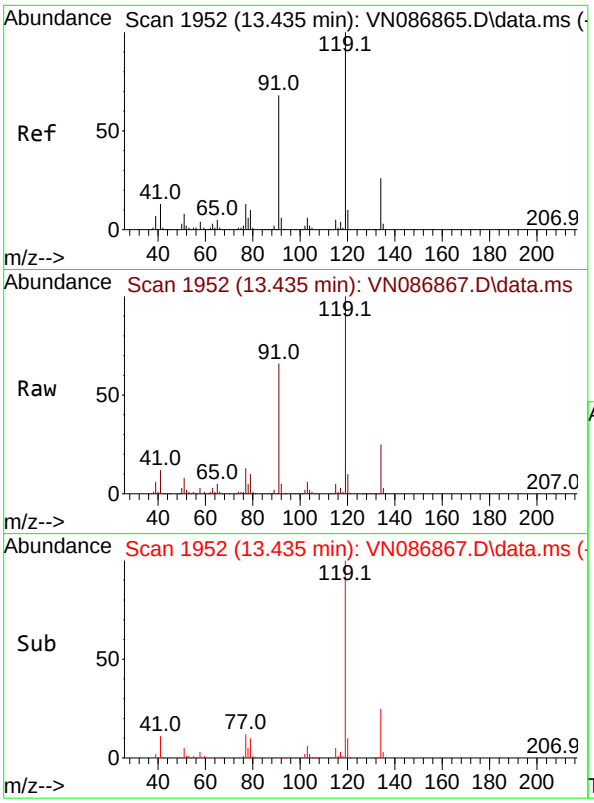


#82
4-Chlorotoluene
Concen: 144.900 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1063581

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1



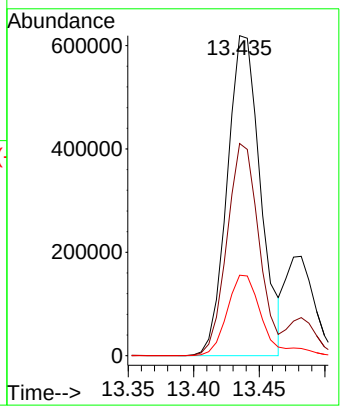


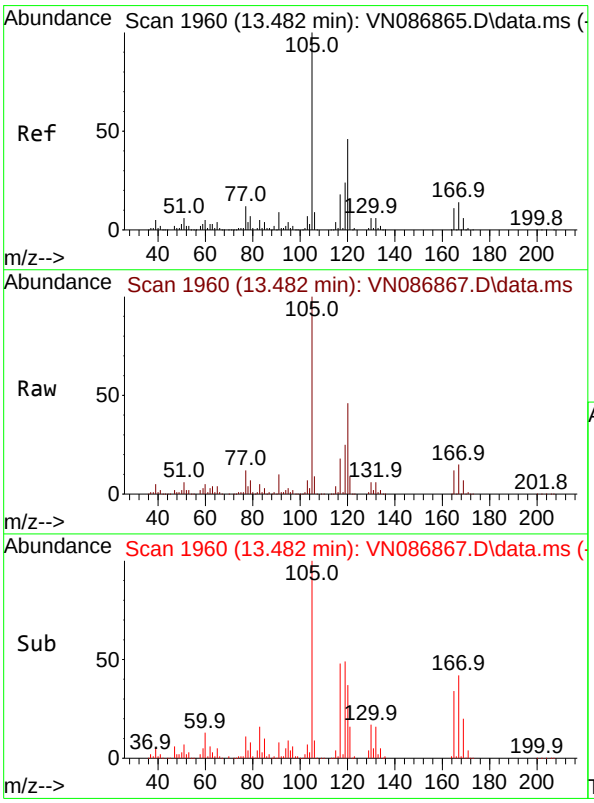
#83
tert-Butylbenzene
Concen: 145.352 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1093406

Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.5
134	26.7	13.4	40.1

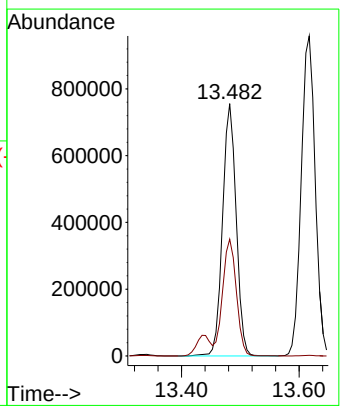


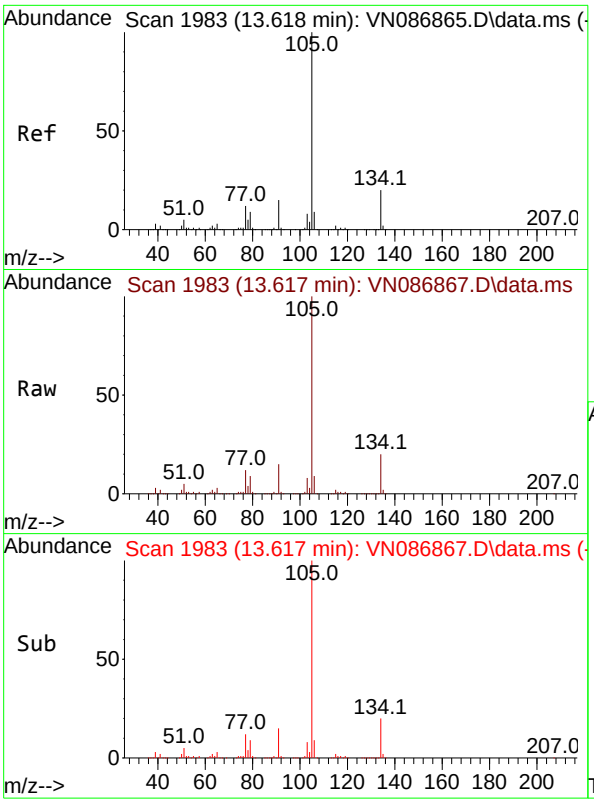


#84
1,2,4-Trimethylbenzene
Concen: 147.626 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1216529

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



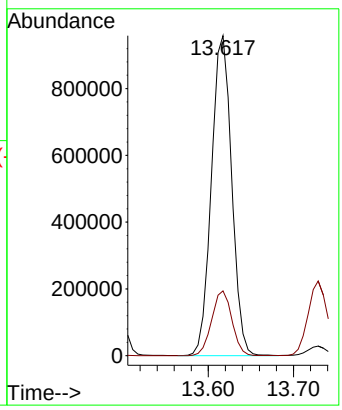


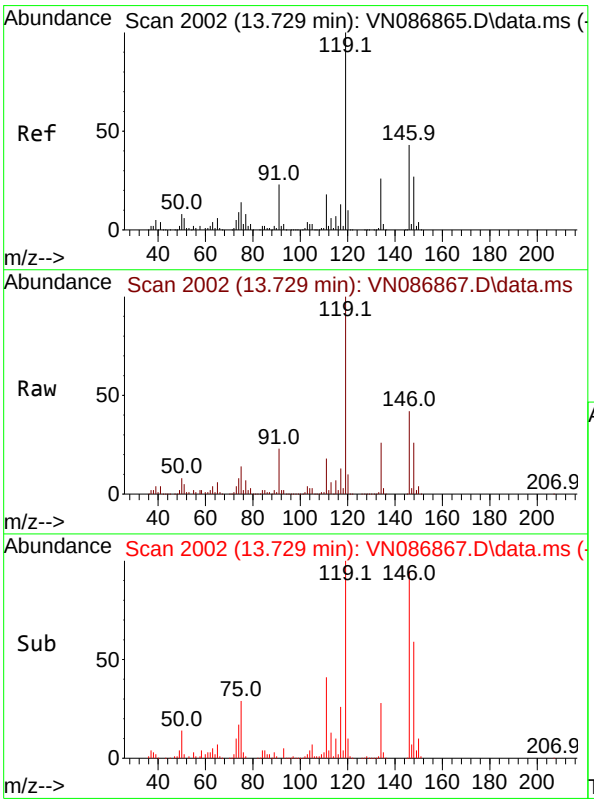
#85
sec-Butylbenzene
Concen: 144.885 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1582762

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

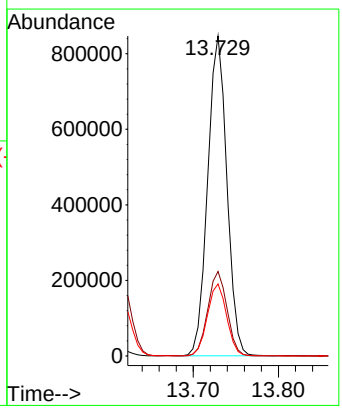


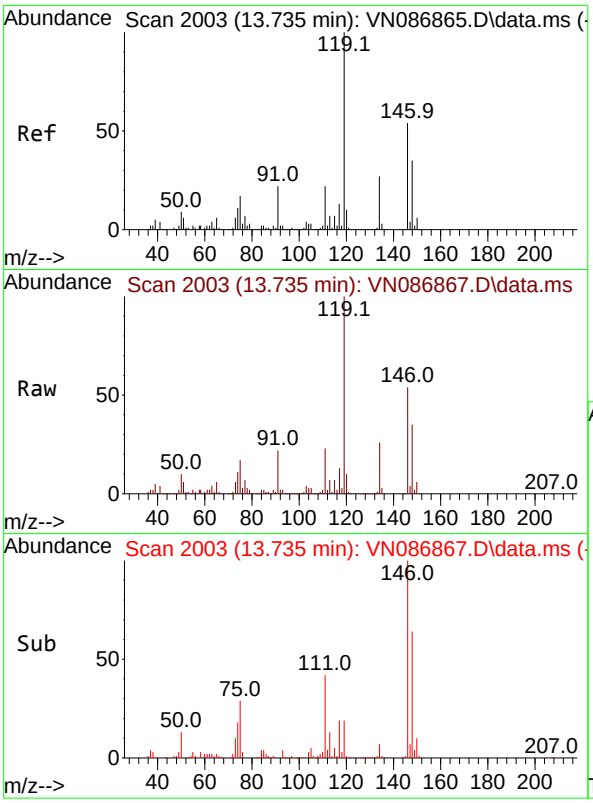


#86
p-Isopropyltoluene
Concen: 146.482 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 1322780

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.7	11.5	34.4



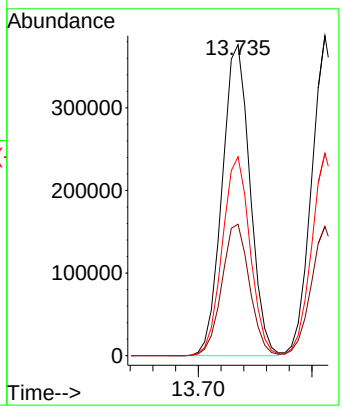


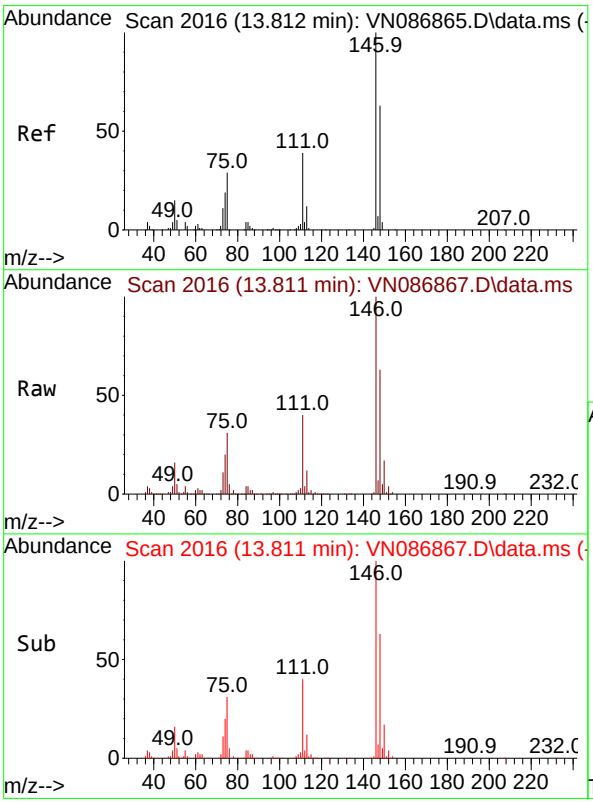
#87
1,3-Dichlorobenzene
Concen: 142.939 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 641966

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

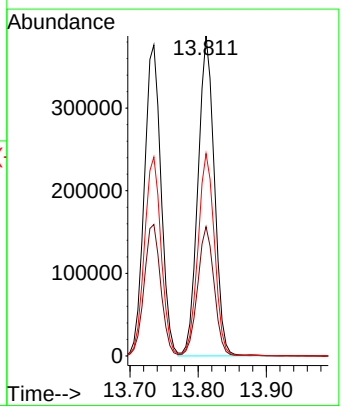


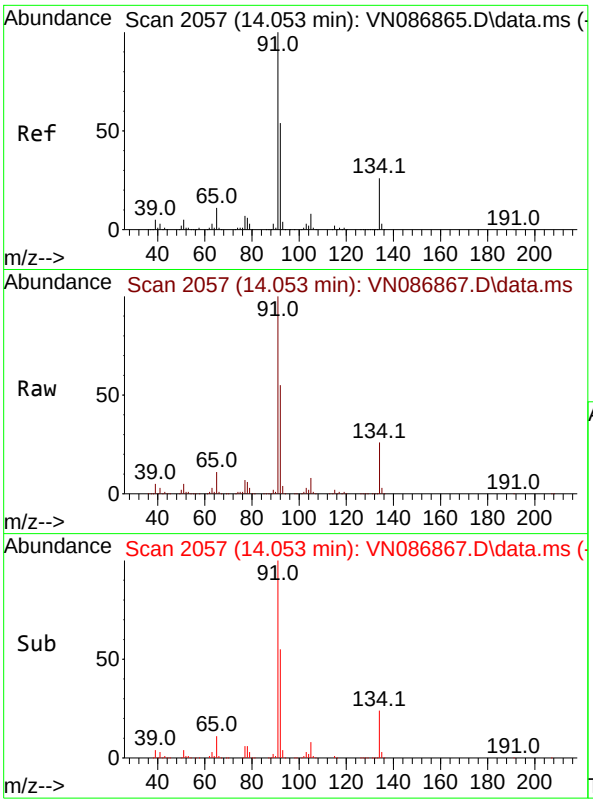


#88
1,4-Dichlorobenzene
Concen: 141.124 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 646188

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.2	31.8	95.4



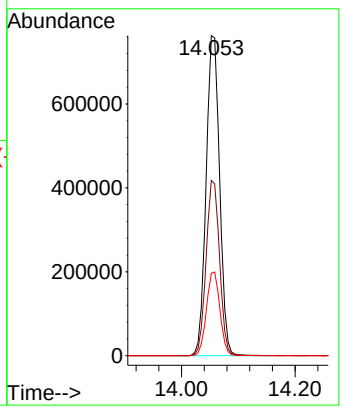


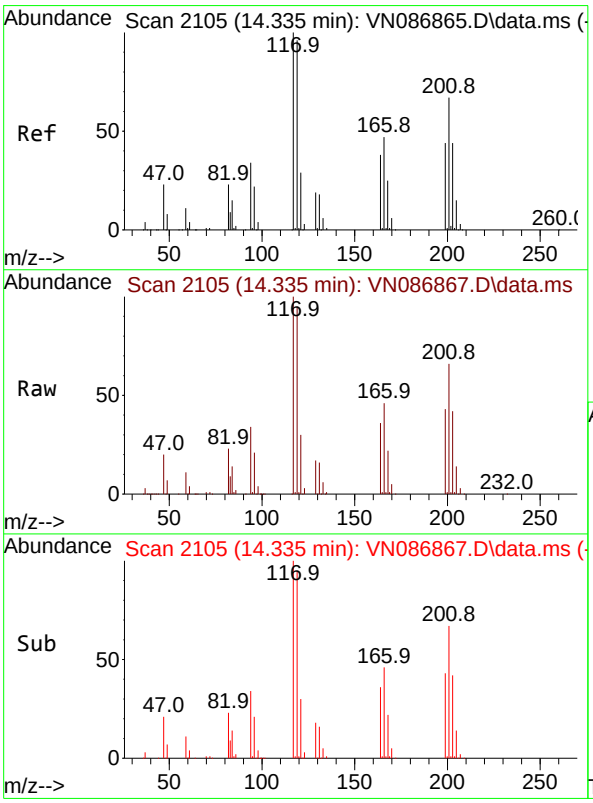
#89
n-Butylbenzene
Concen: 143.117 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1251819

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	26.1	13.0	39.0

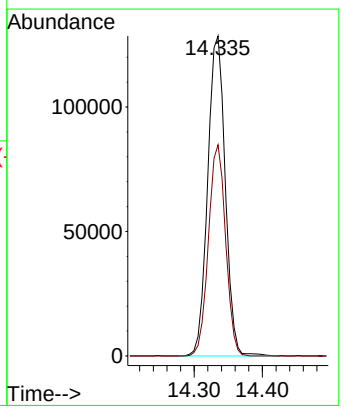


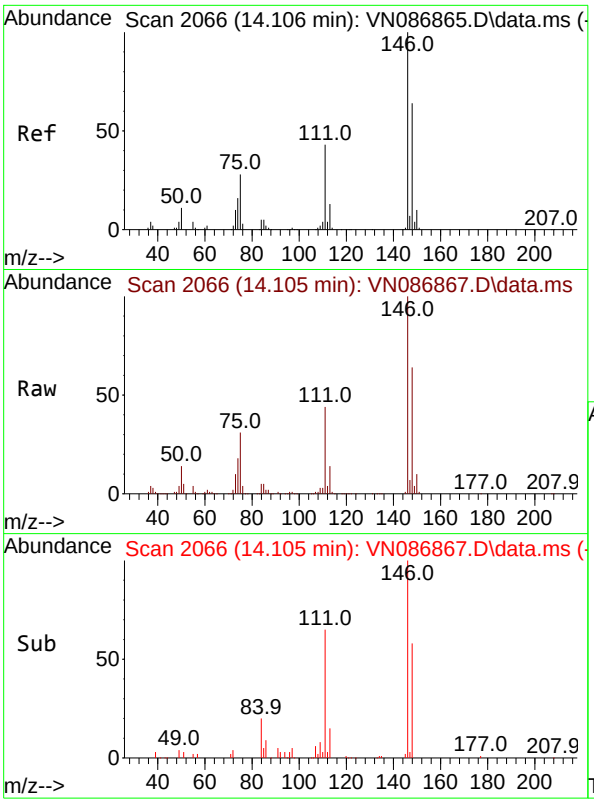


#90
Hexachloroethane
Concen: 150.387 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 230195

Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.2	99.6



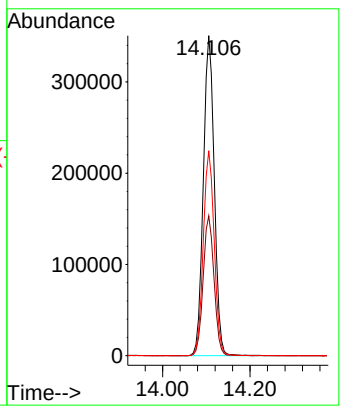


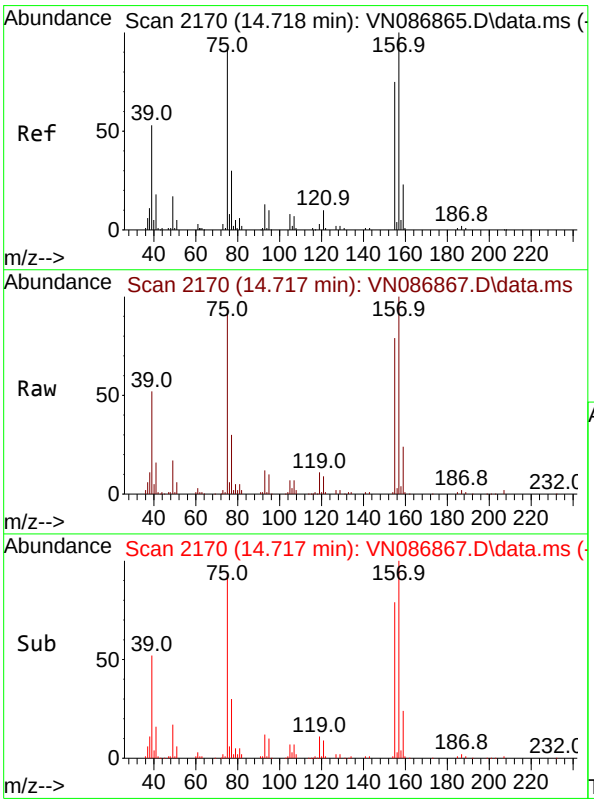
#91
1,2-Dichlorobenzene
Concen: 142.108 ug/l
RT: 14.105 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 613177

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.8	31.7	95.1

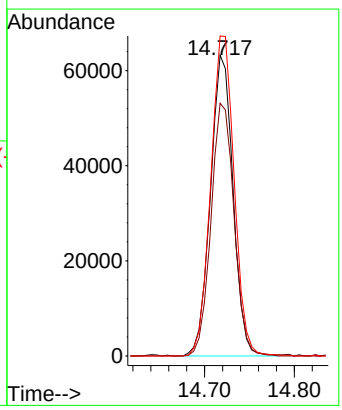


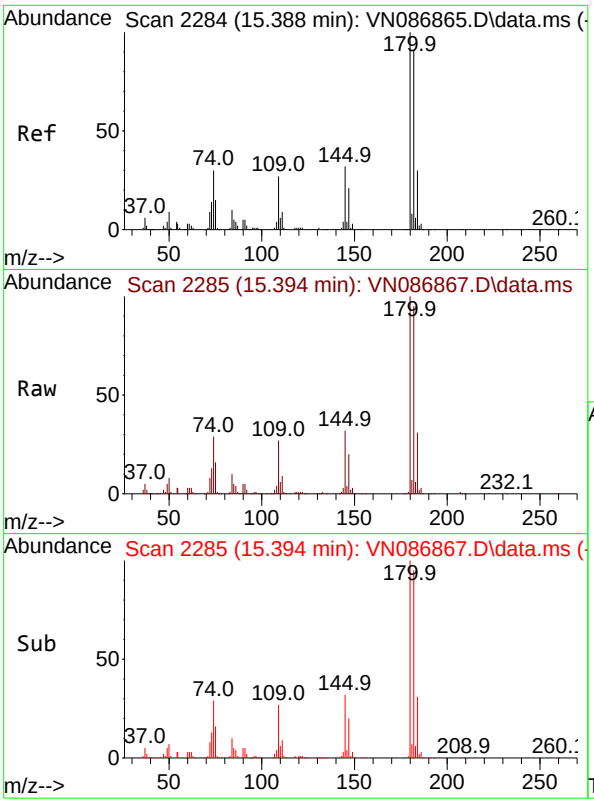


#92
1,2-Dibromo-3-Chloropropane
Concen: 137.242 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 110677

Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.1	123.4
157	110.2	52.7	158.1



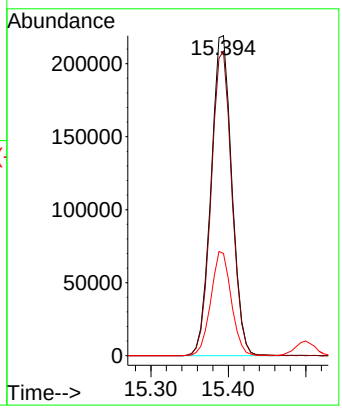


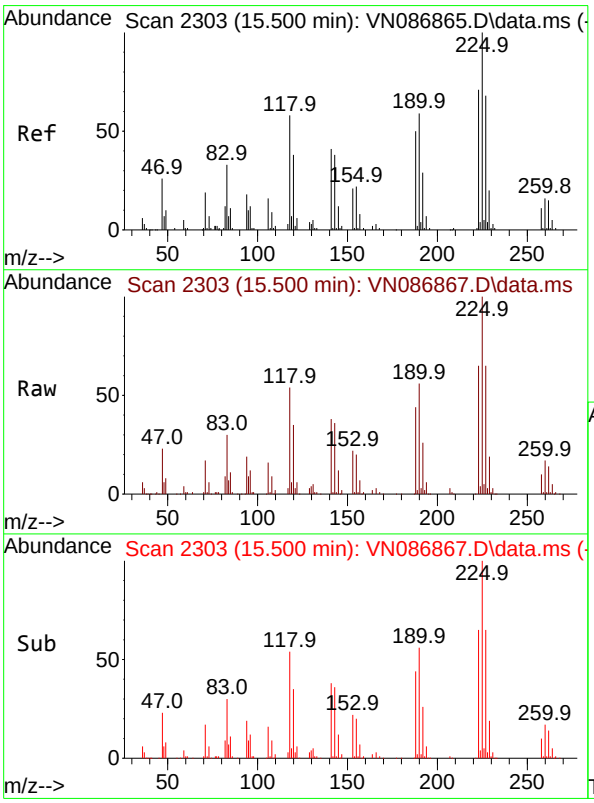
#93
1,2,4-Trichlorobenzene
Concen: 147.940 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 407621

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.7
145	32.0	16.0	47.9

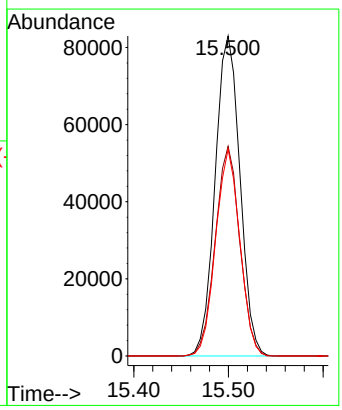


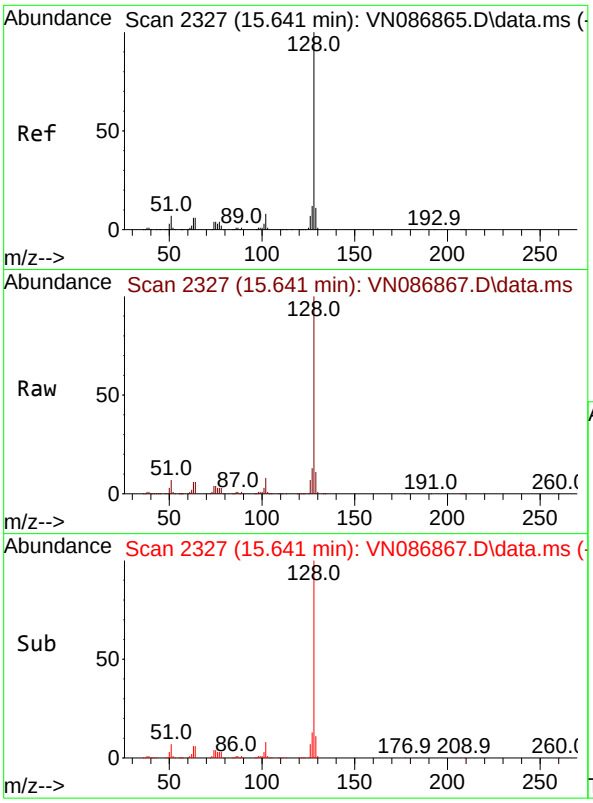


#94
Hexachlorobutadiene
Concen: 147.264 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:225 Resp: 151172

Ion	Ratio	Lower	Upper
225	100		
223	64.8	33.5	100.4
227	63.0	31.1	93.5



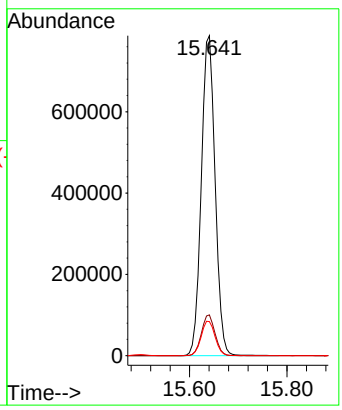


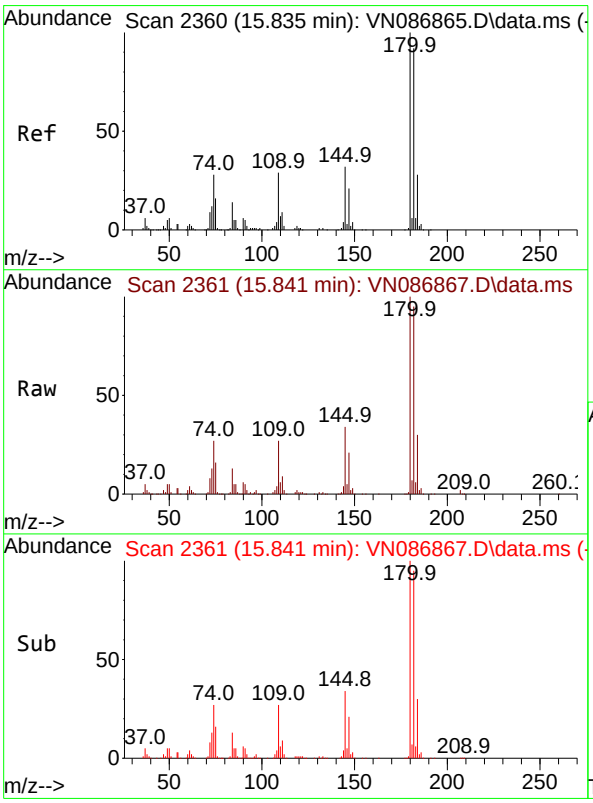
#95
Naphthalene
Concen: 150.743 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1545981

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

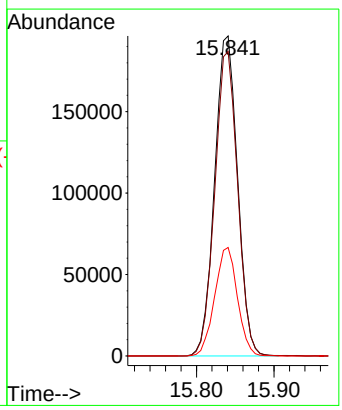




#96
1,2,3-Trichlorobenzene
Concen: 147.743 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 404450

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.6	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	302004	73.563	ug/l		69
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

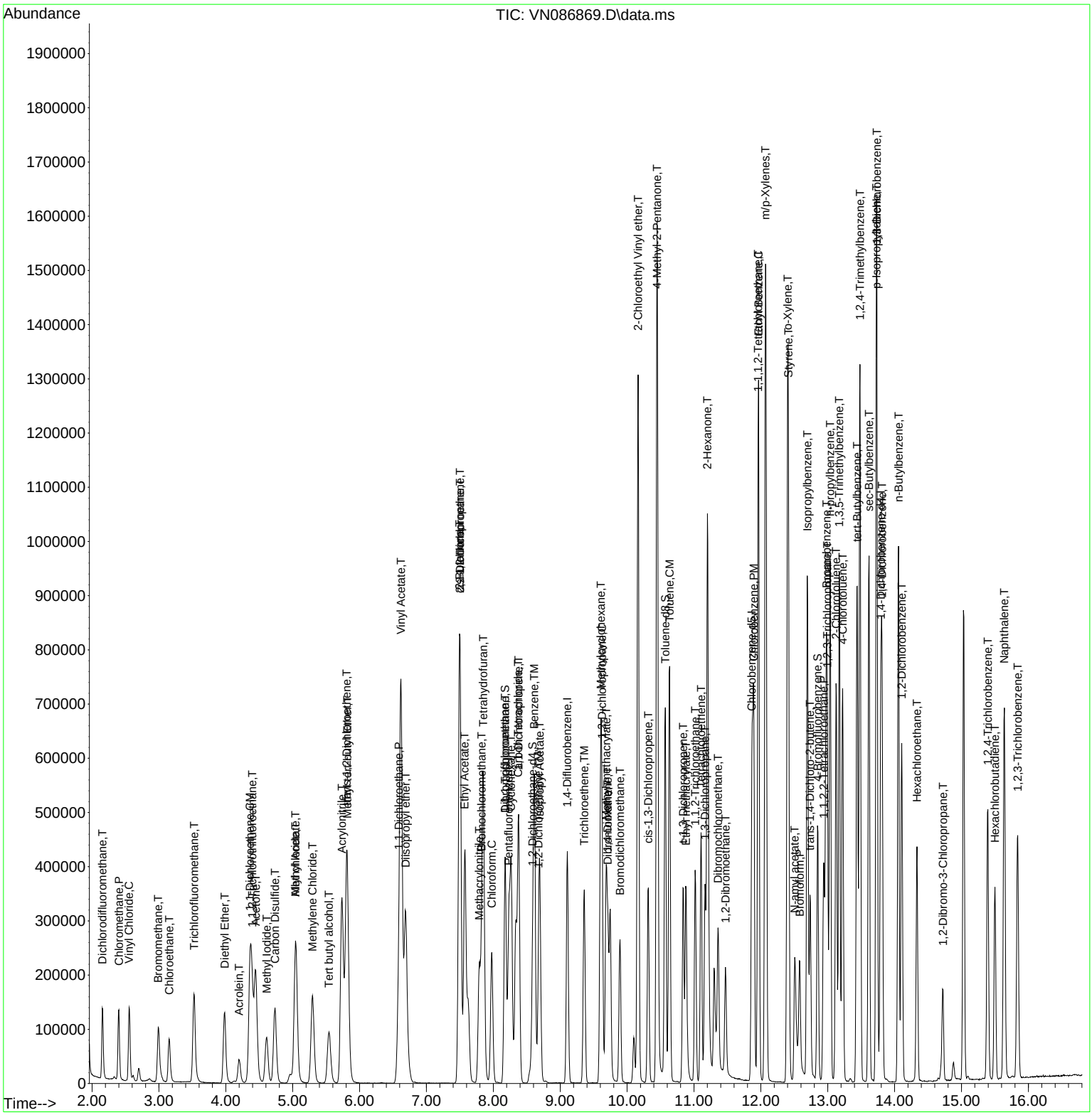
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

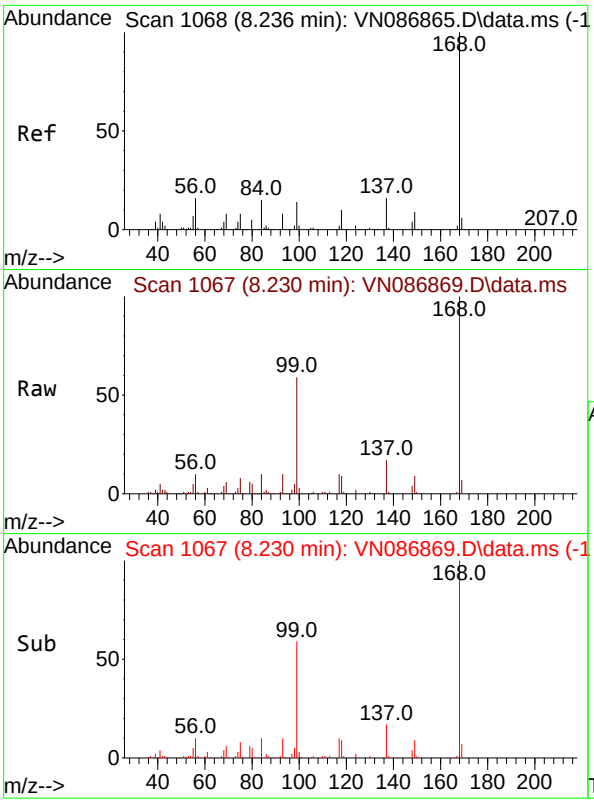
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



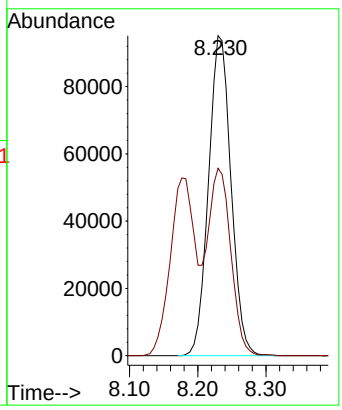


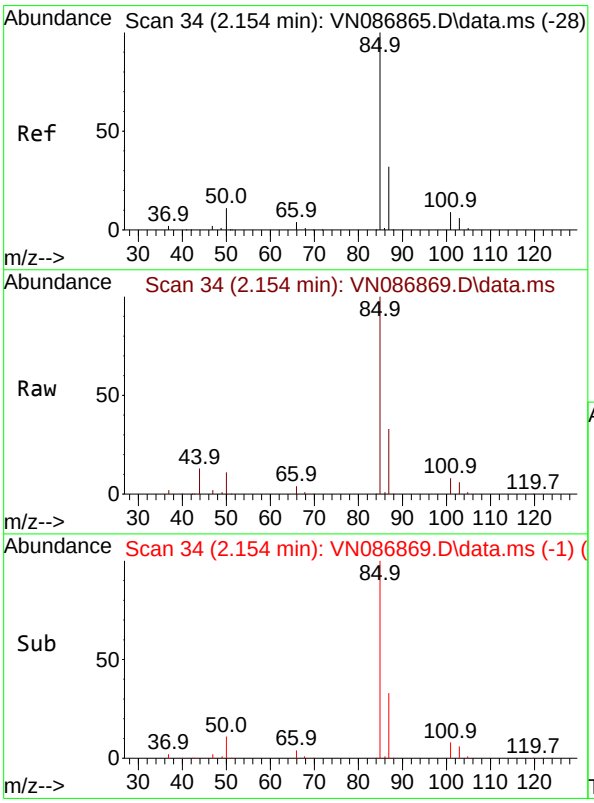
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:168 Resp: 218122

Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.1	73.7

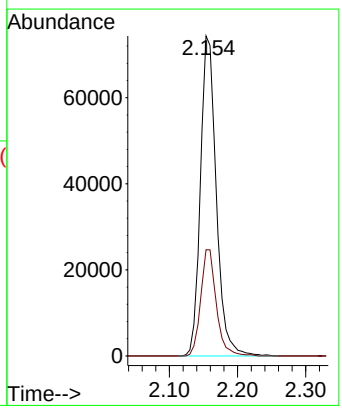


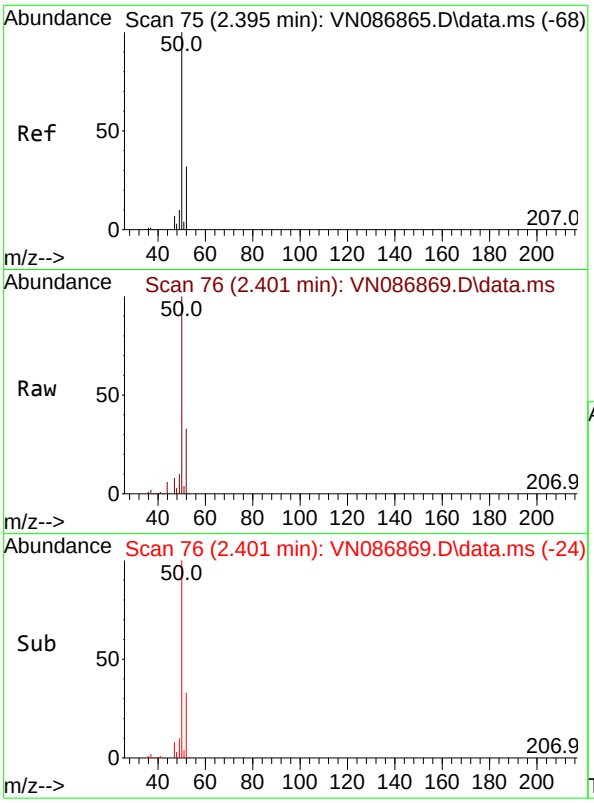


#2
Dichlorodifluoromethane
Concen: 55.286 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 85 Resp: 120237

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.2	48.6



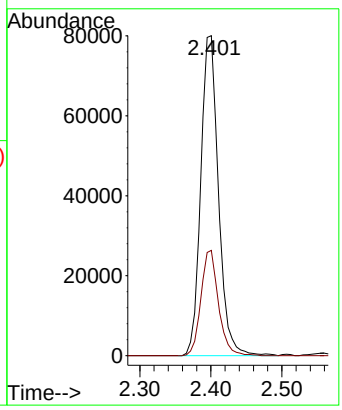


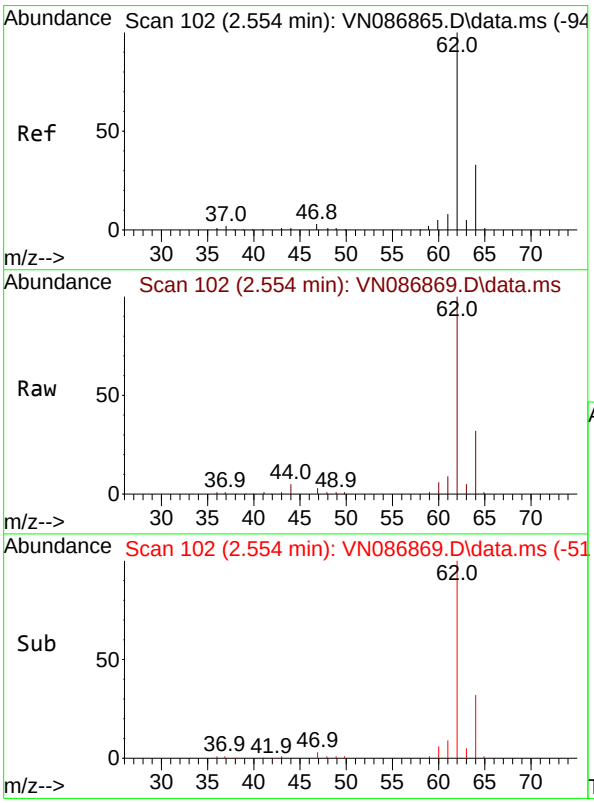
#3
Chloromethane
Concen: 49.505 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 50 Resp: 139027

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5

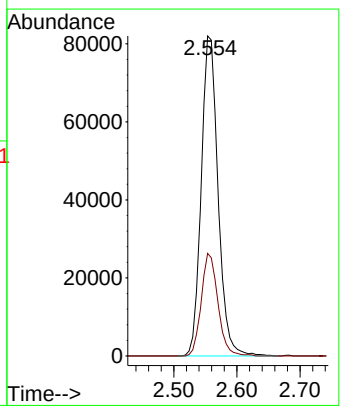


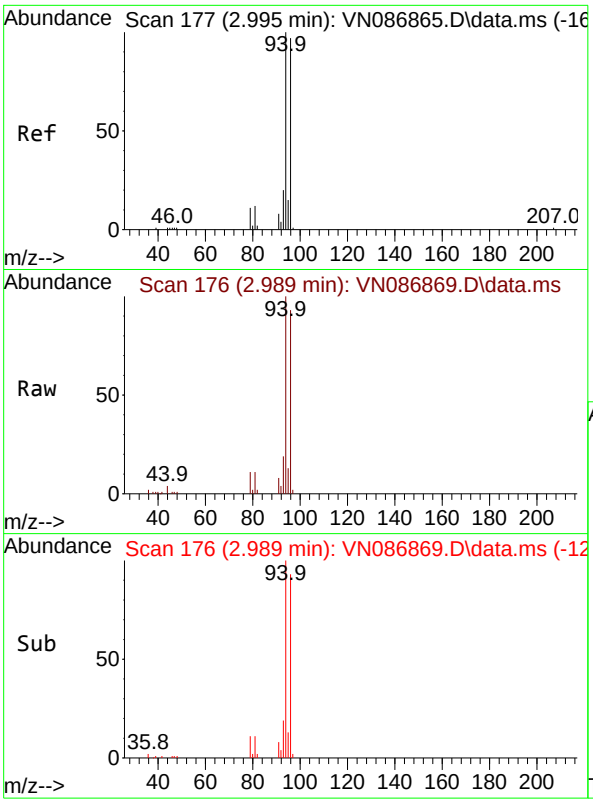


#4
Vinyl Chloride
Concen: 52.451 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 151951

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.0	39.0



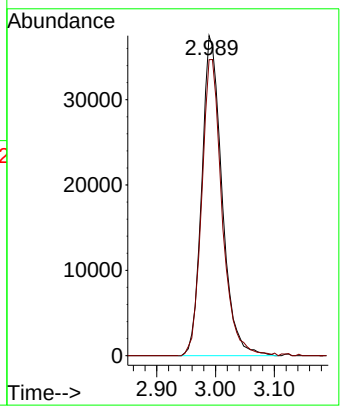


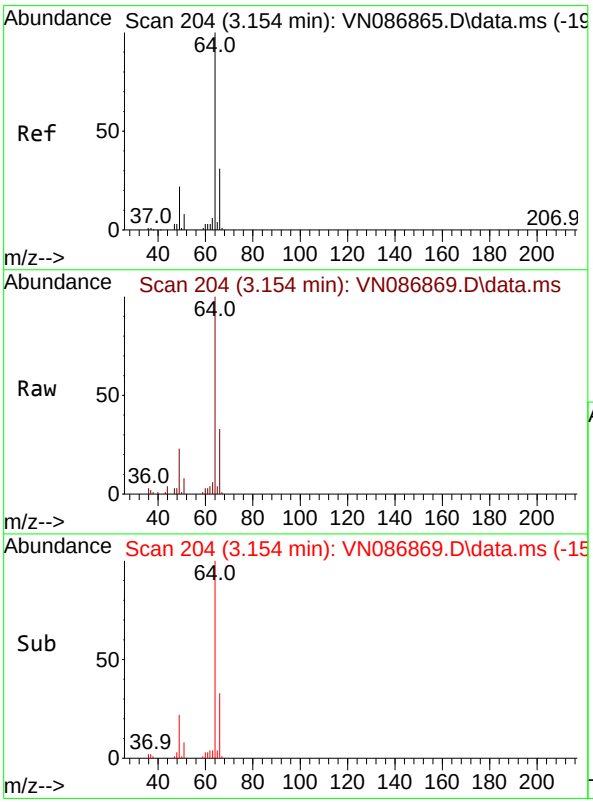
#5
Bromomethane
Concen: 55.292 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 94 Resp: 89638

Ion	Ratio	Lower	Upper
94	100		
96	92.5	77.9	116.9

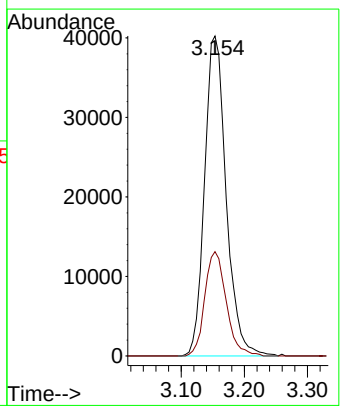


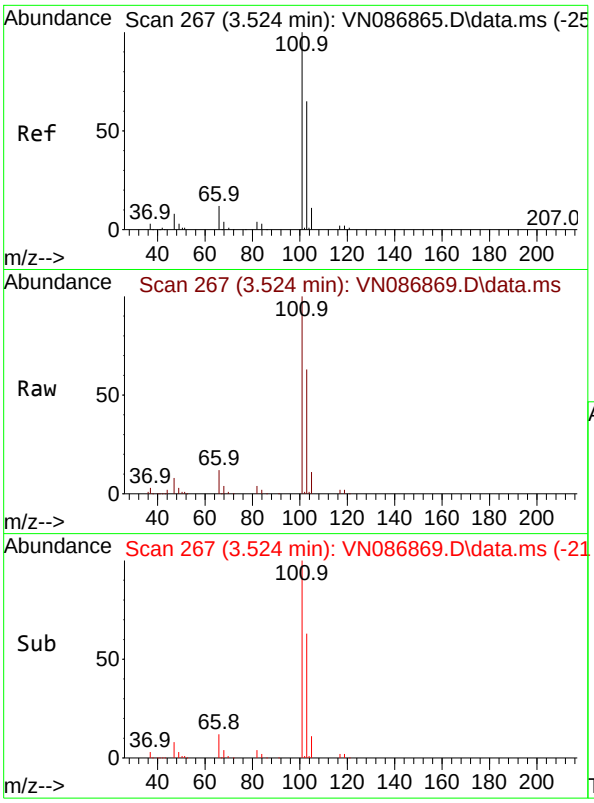


#6
Chloroethane
Concen: 51.117 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 64 Resp: 95654

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8



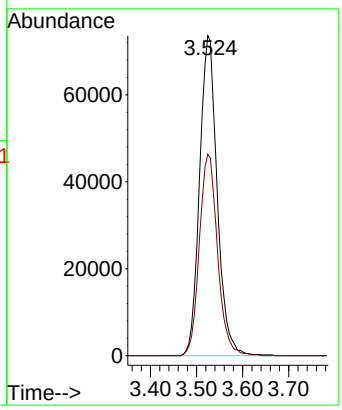


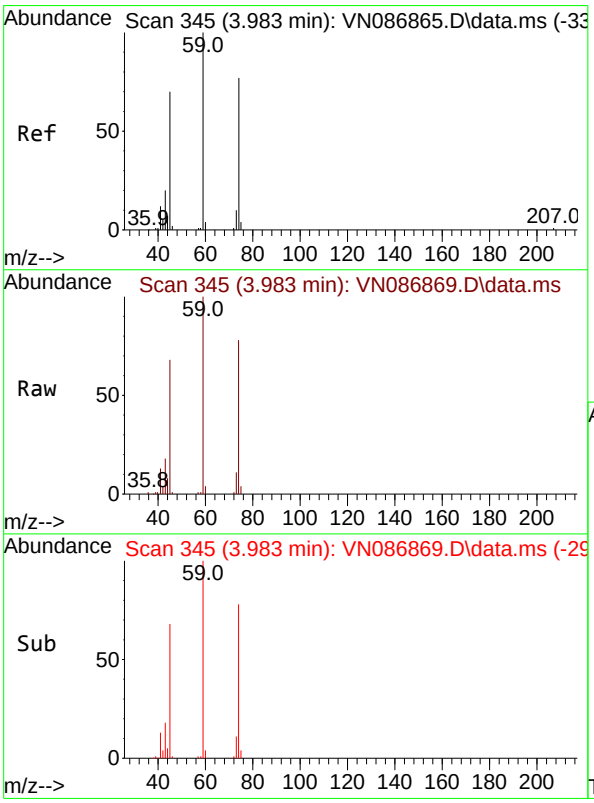
#7
Trichlorofluoromethane
Concen: 51.819 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:101 Resp: 196138

Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

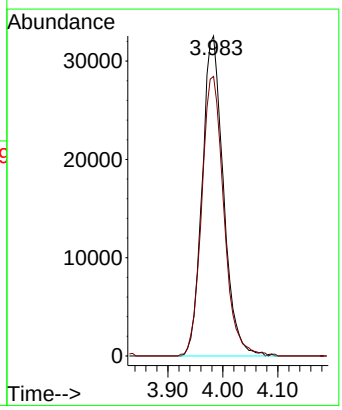


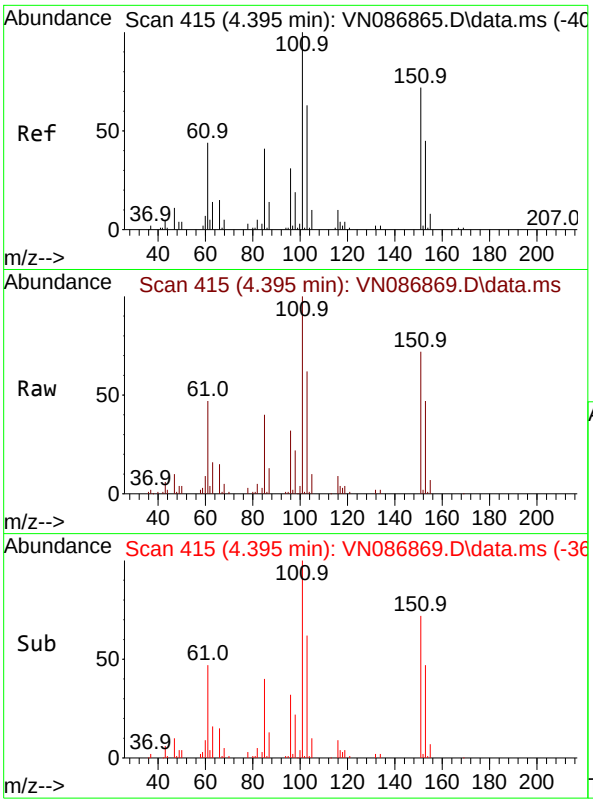


#8
Diethyl Ether
Concen: 53.001 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 74 Resp: 87405

Ion	Ratio	Lower	Upper
74	100		
45	90.9	45.5	136.5



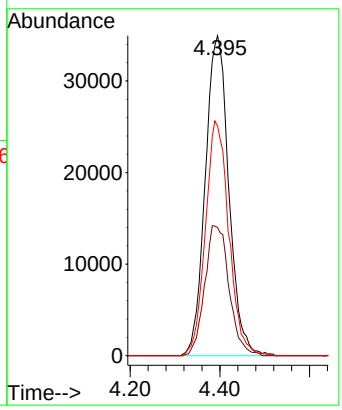


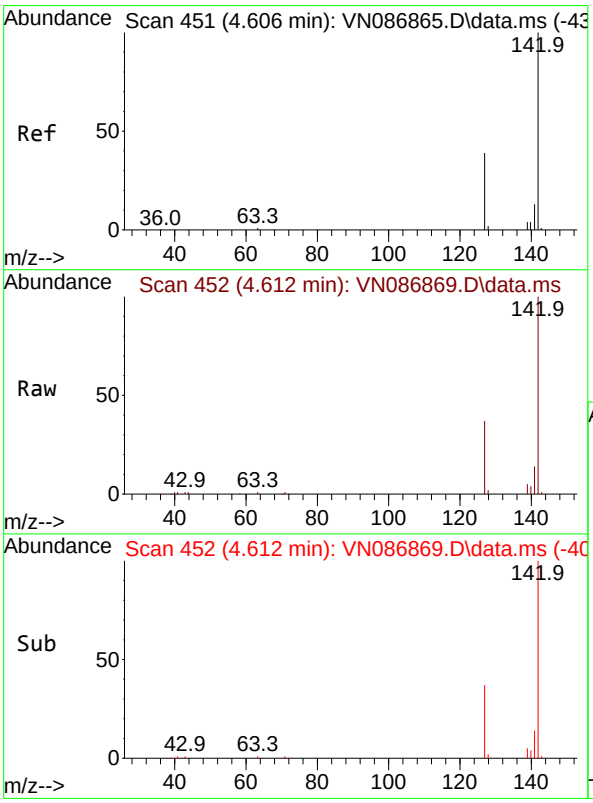
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.615 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:101 Resp: 127498

Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.8
151	72.8	58.7	88.1

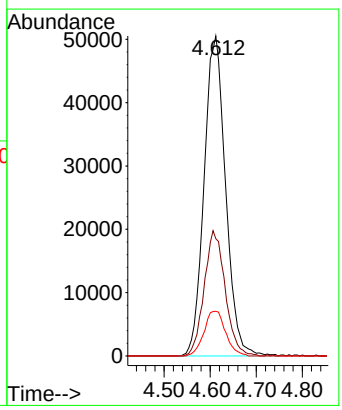


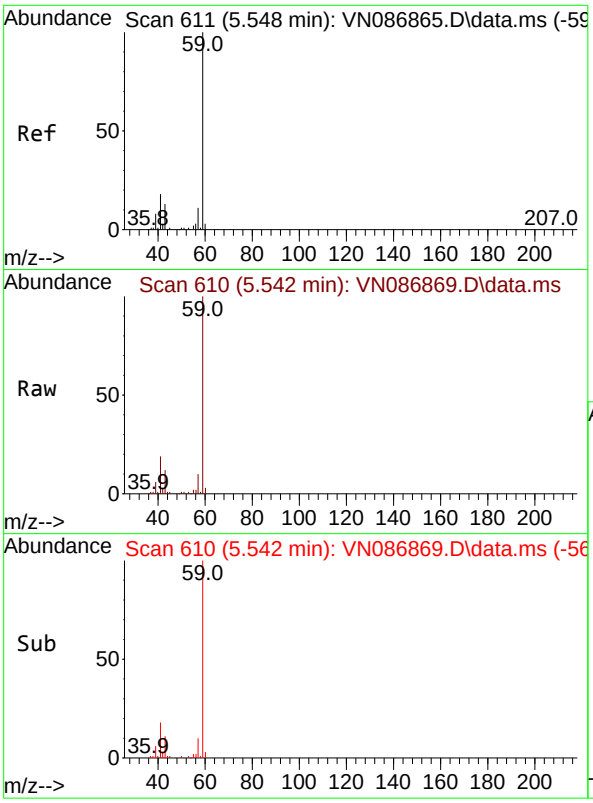


#10
Methyl Iodide
Concen: 53.227 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:142 Resp: 164080

Ion	Ratio	Lower	Upper
142	100		
127	36.6	30.9	46.3
141	14.0	10.4	15.6



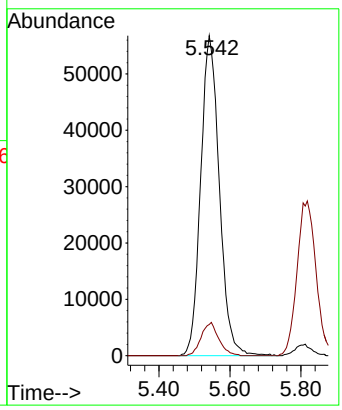


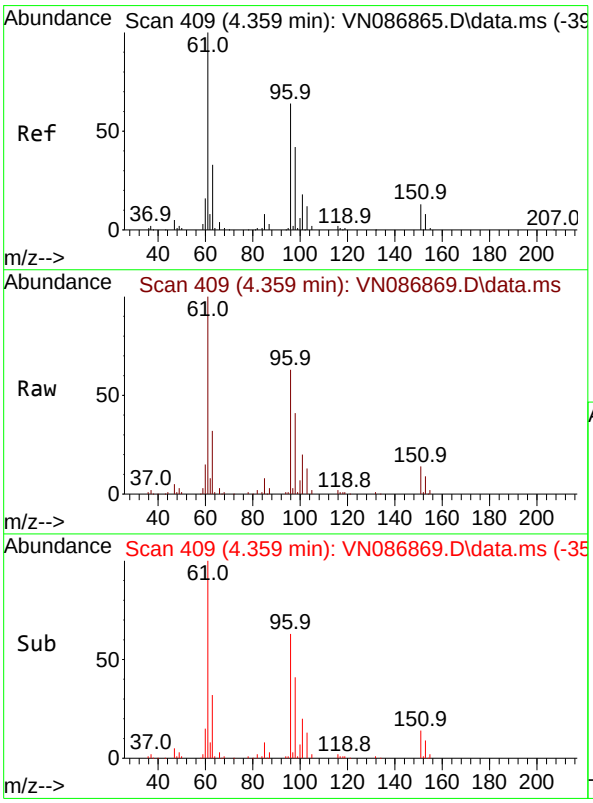
#11
Tert butyl alcohol
Concen: 262.193 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 59 Resp: 207768

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

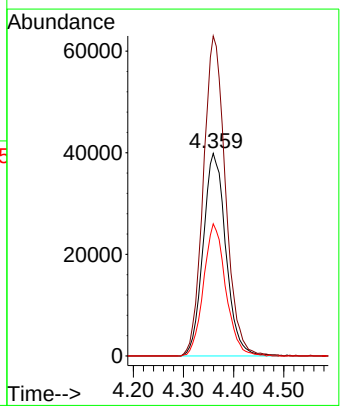


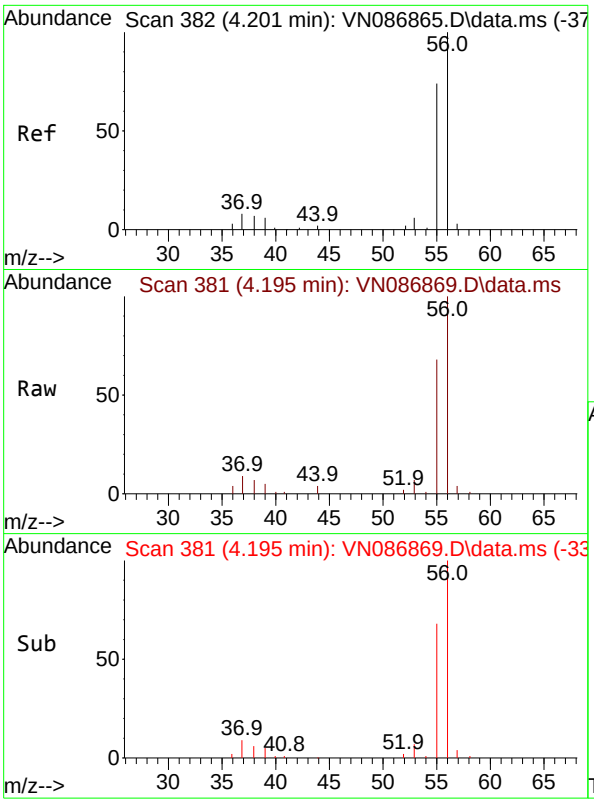


#12
1,1-Dichloroethene
Concen: 51.678 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 125461

Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.8	188.6
98	65.2	52.5	78.7



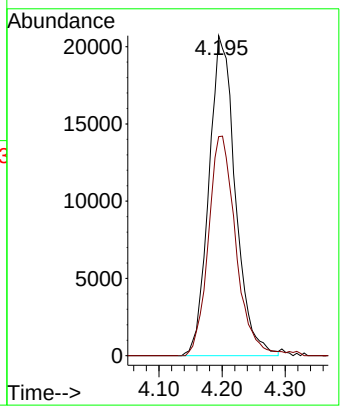


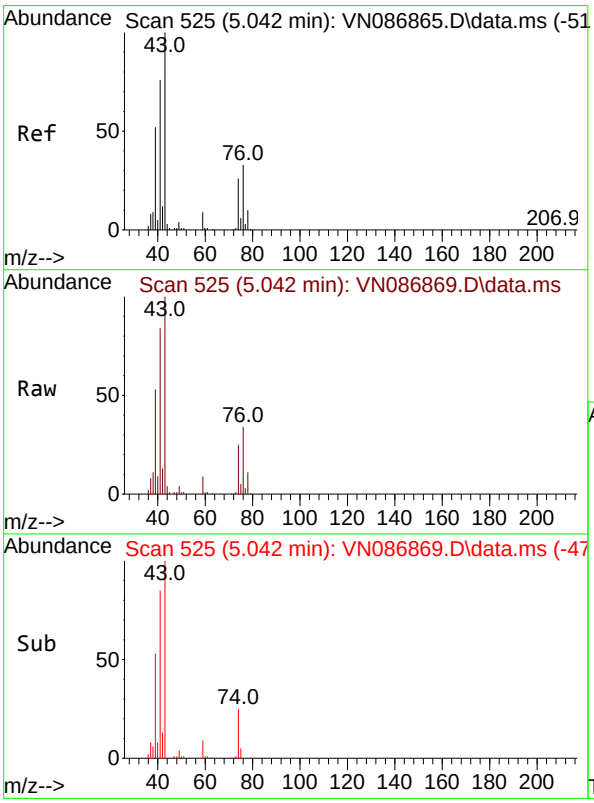
#13
Acrolein
Concen: 240.545 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 56 Resp: 60336

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.6	83.4

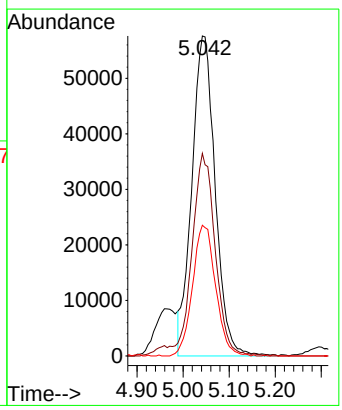


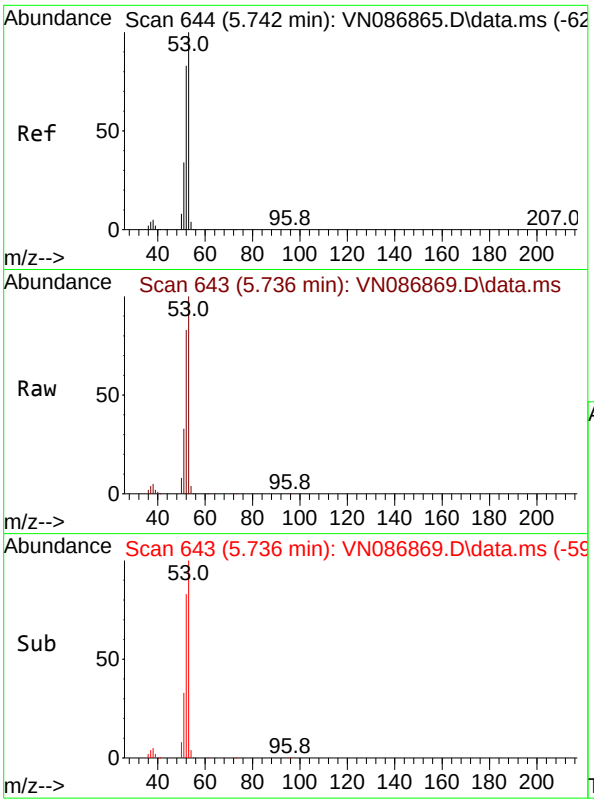


#14
Allyl chloride
Concen: 50.504 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 203344

Ion	Ratio	Lower	Upper
41	100		
39	62.3	51.3	76.9
76	40.4	31.4	47.0



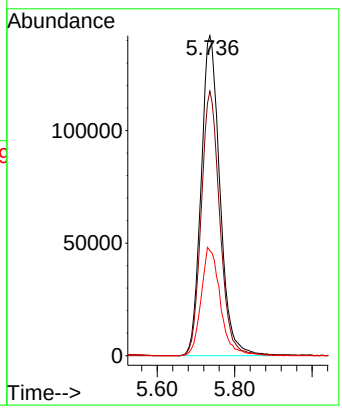


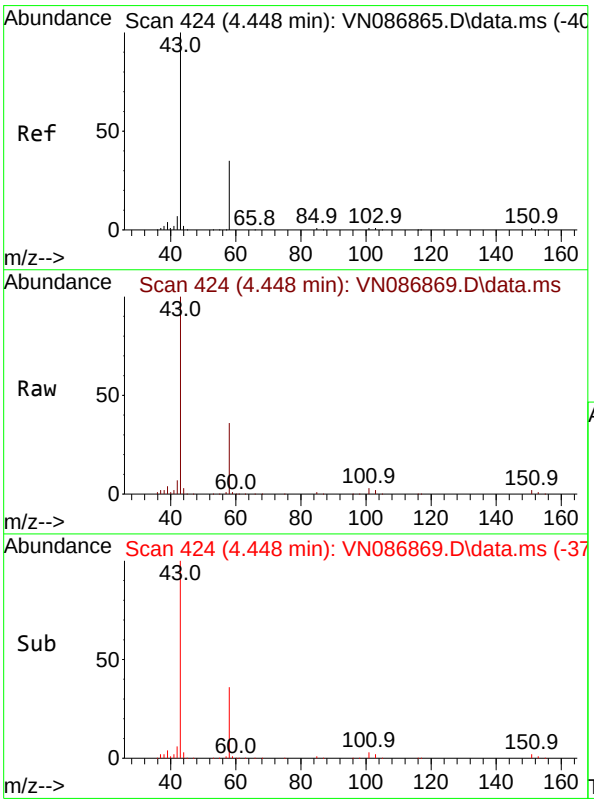
#15
Acrylonitrile
Concen: 258.885 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 53 Resp: 479502

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.5	27.2	40.8

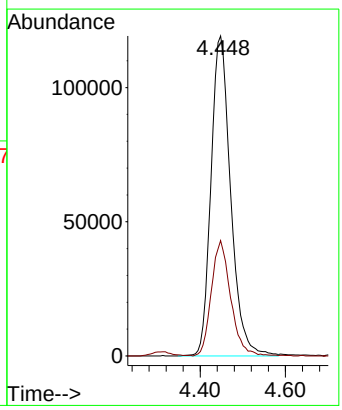


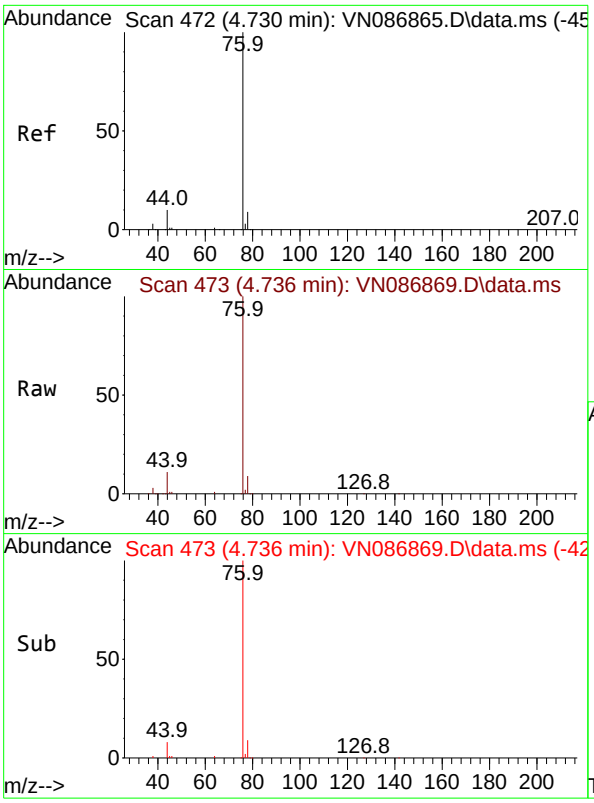


#16
Acetone
Concen: 246.750 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 382146

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0



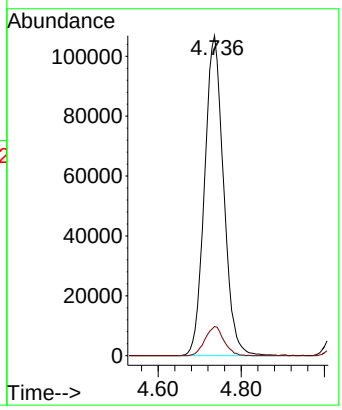


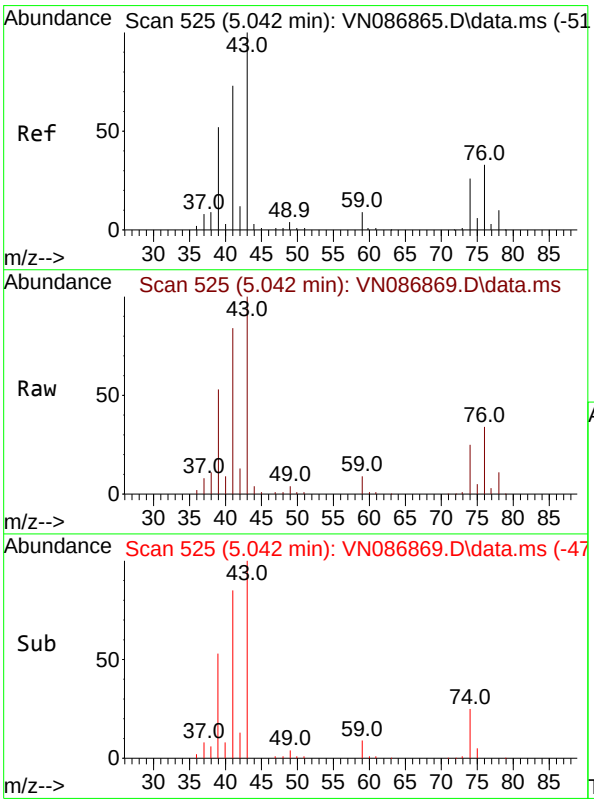
#17
Carbon Disulfide
Concen: 50.550 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 76 Resp: 339466

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

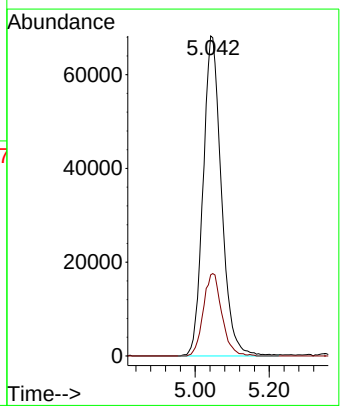


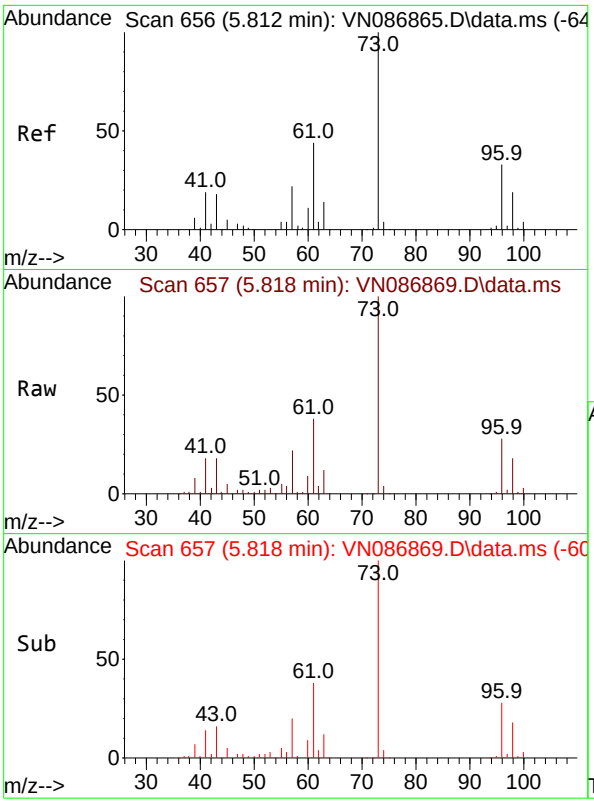


#18
Methyl Acetate
Concen: 51.912 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 234290

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1



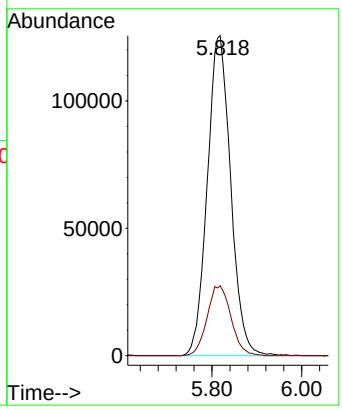


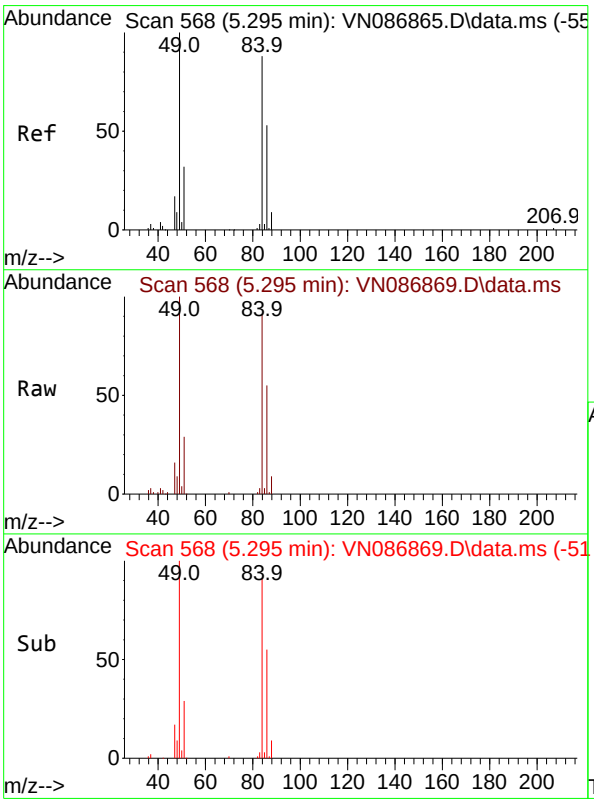
#19
Methyl tert-butyl Ether
Concen: 51.720 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 73 Resp: 454641

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

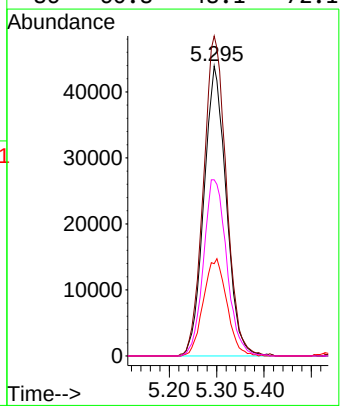


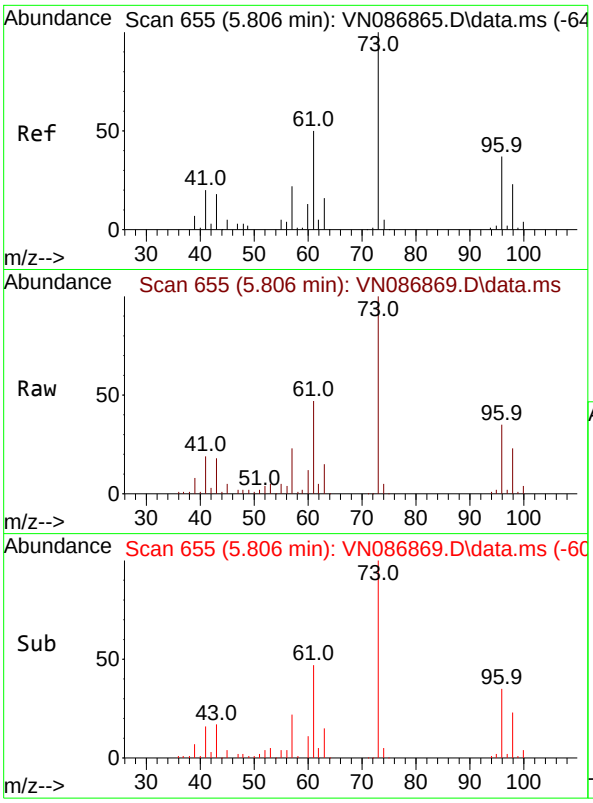


#20
Methylene Chloride
Concen: 49.617 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 84 Resp: 143862

Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.5	135.7
51	31.8	28.5	42.7
86	60.8	48.1	72.1



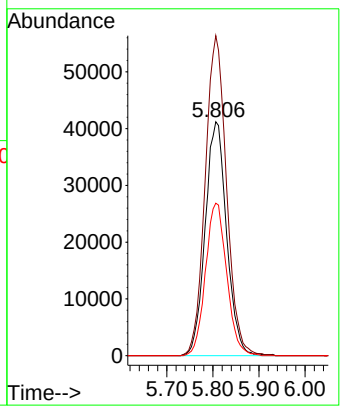


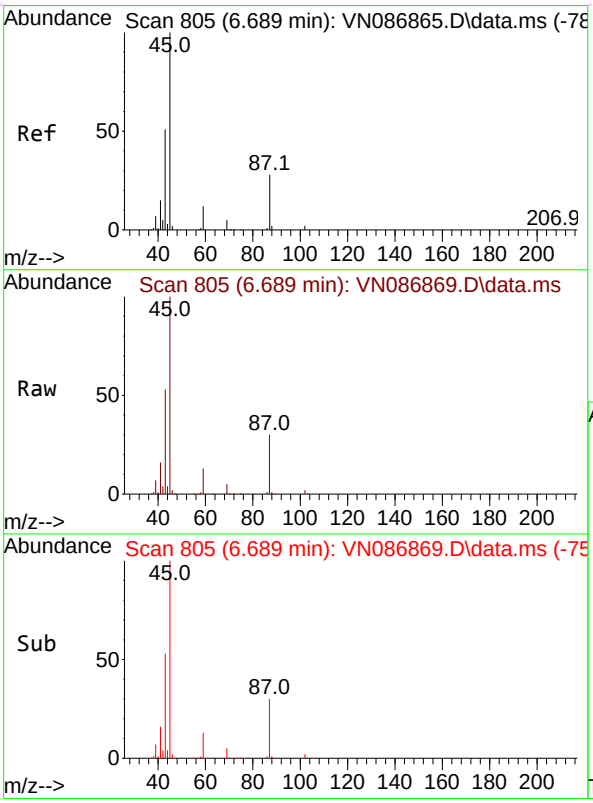
#21
trans-1,2-Dichloroethene
Concen: 49.437 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 96 Resp: 133535

Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.2	163.8
98	65.2	49.8	74.8

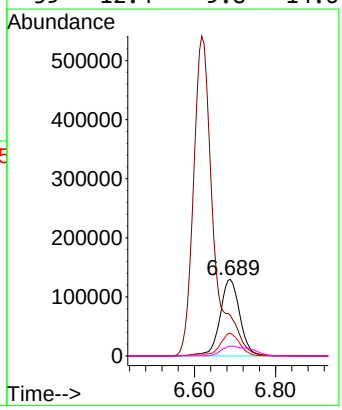


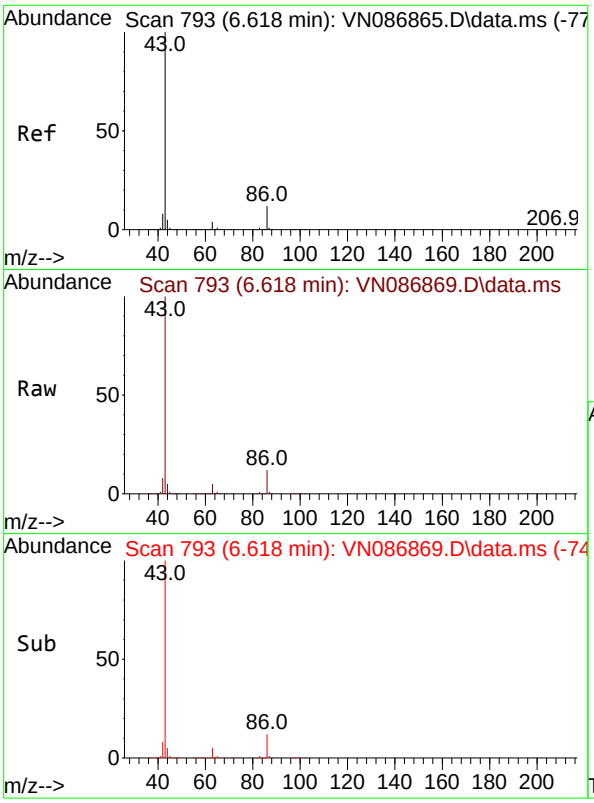


#22
Diisopropyl ether
Concen: 51.853 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 45 Resp: 440080

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	29.5	22.4	33.6
59	12.4	9.8	14.6



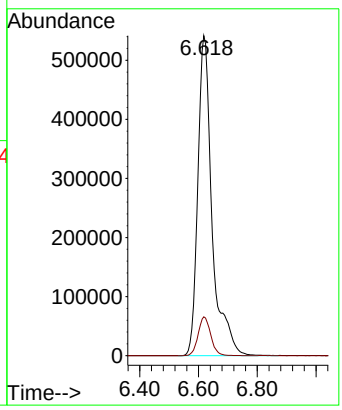


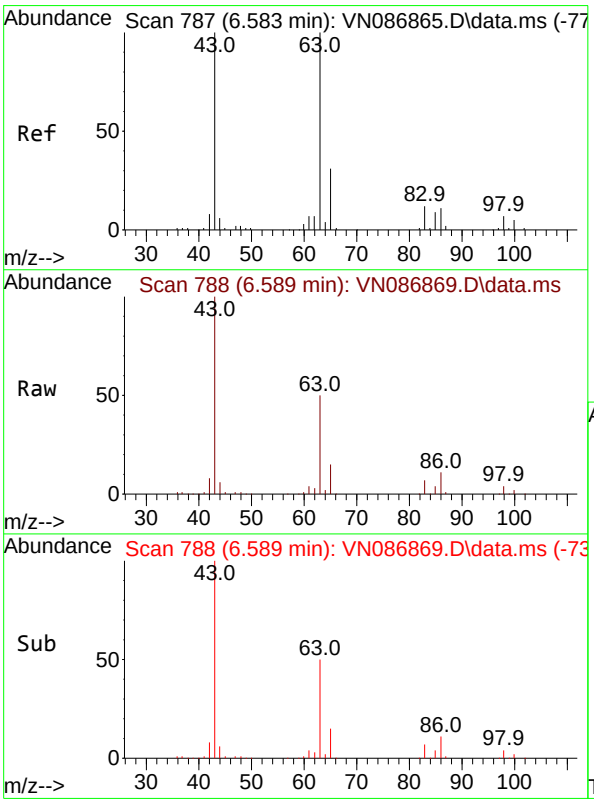
#23
Vinyl Acetate
Concen: 255.055 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 1828919

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

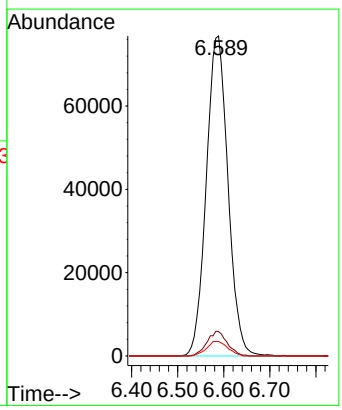


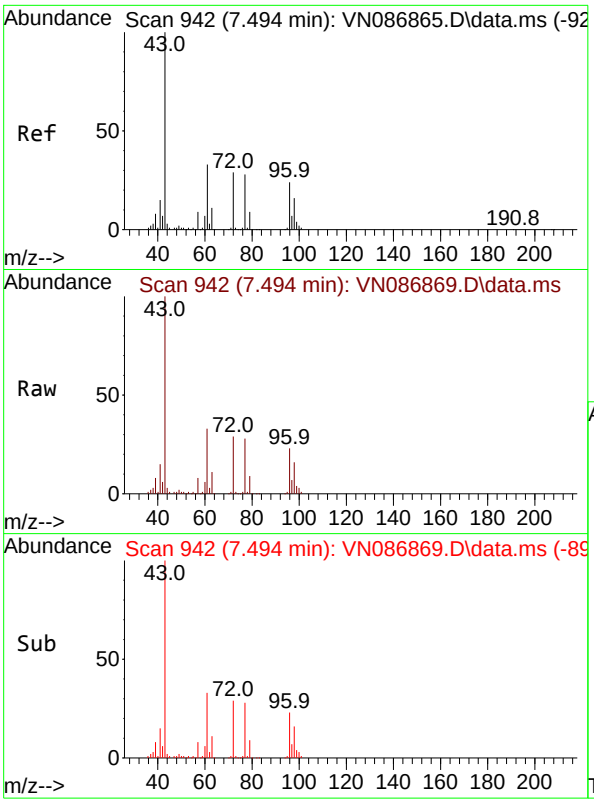


#24
1,1-Dichloroethane
Concen: 51.487 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 251473

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.6	2.6	7.8



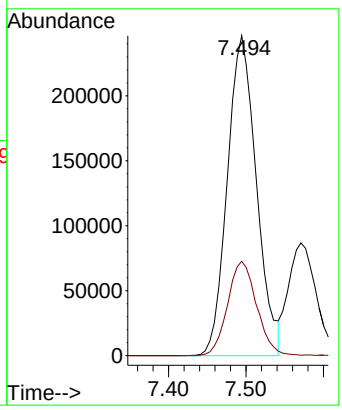


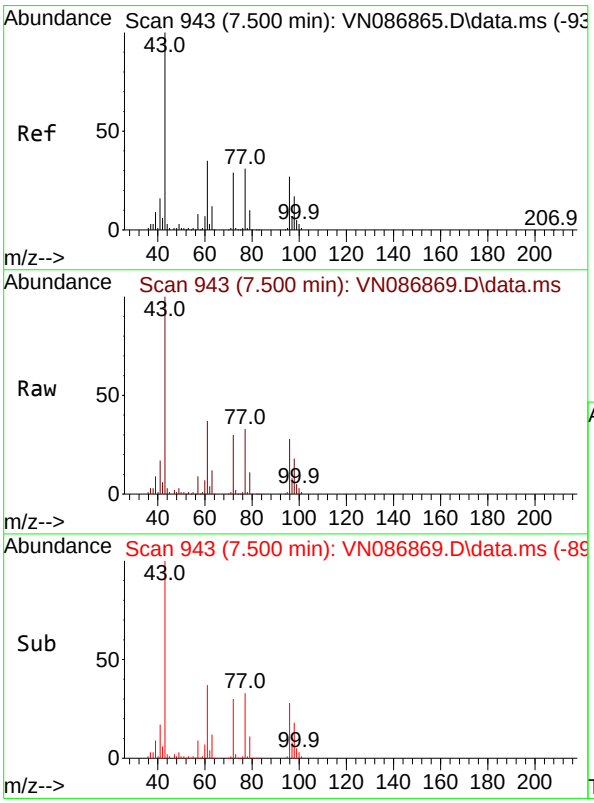
#25
2-Butanone
Concen: 255.897 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 644194

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.0	34.6

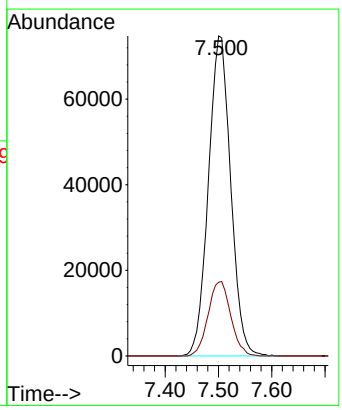


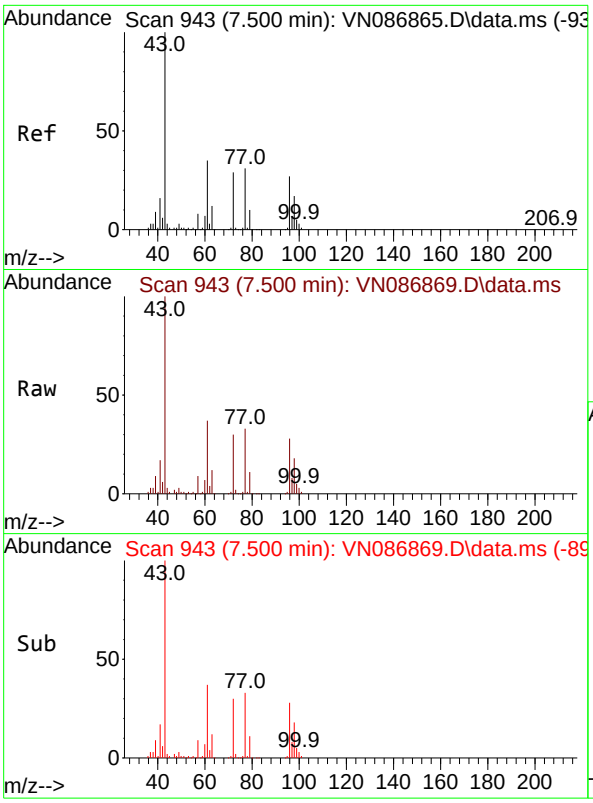


#26
2,2-Dichloropropane
Concen: 57.031 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 77 Resp: 216678

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



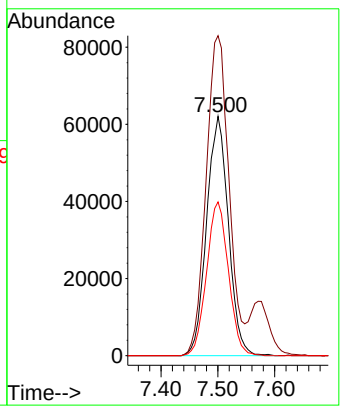


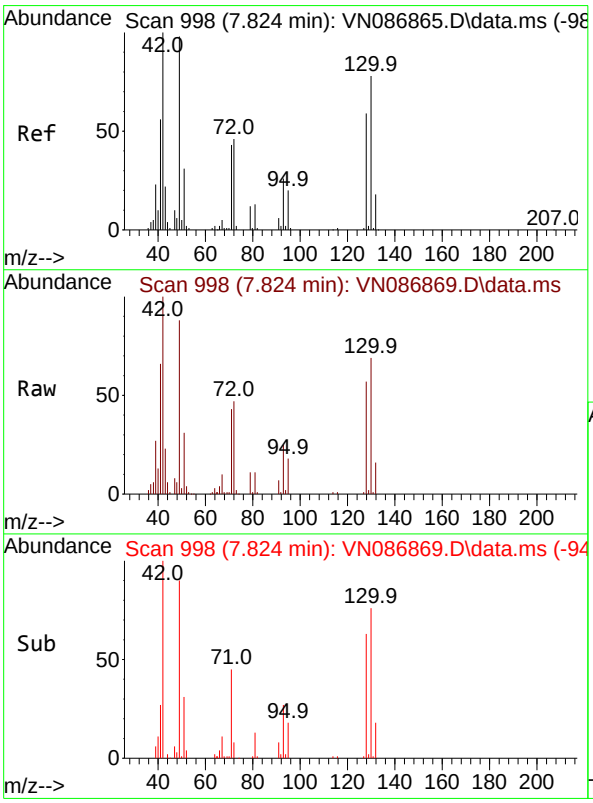
#27
cis-1,2-Dichloroethene
Concen: 51.073 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 96 Resp: 164985

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	278.0
98	64.5	0.0	128.2

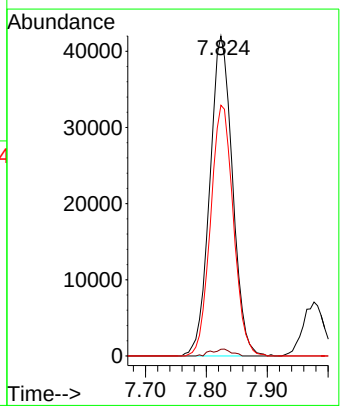


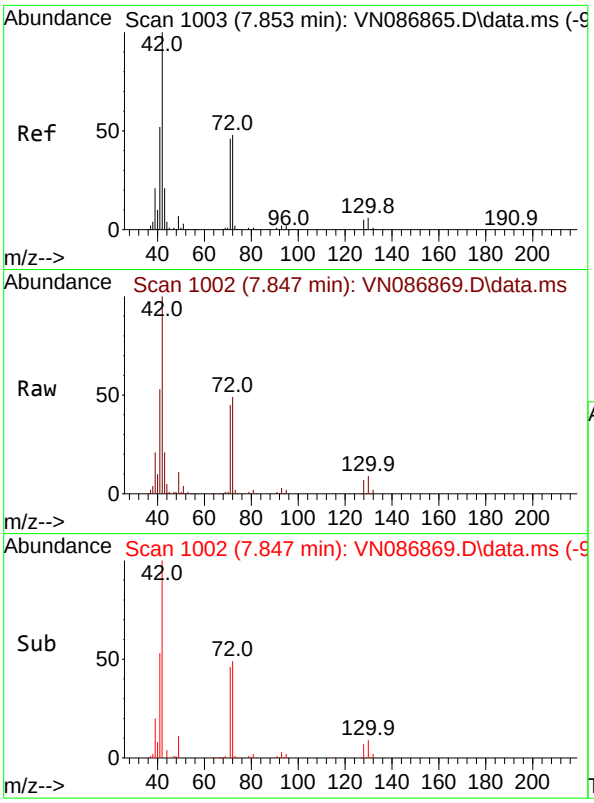


#28
Bromochloromethane
Concen: 45.310 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 49 Resp: 108810

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.5	62.2	93.2



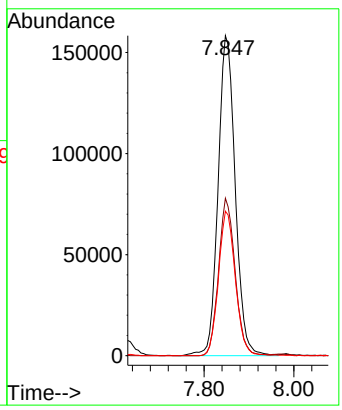


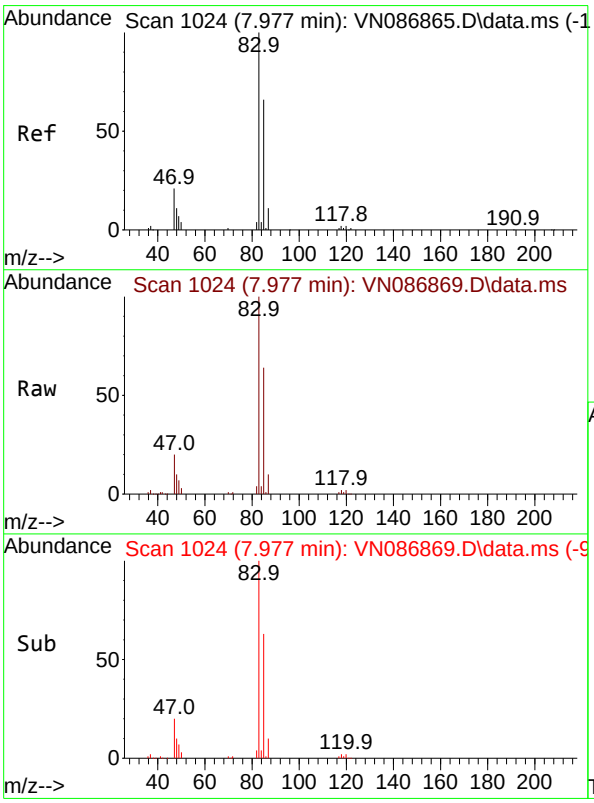
#29
Tetrahydrofuran
Concen: 256.656 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 42 Resp: 420891

Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	44.5	35.6	53.4

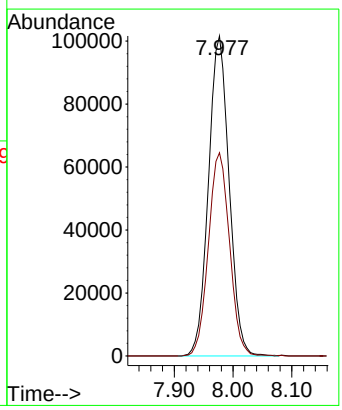


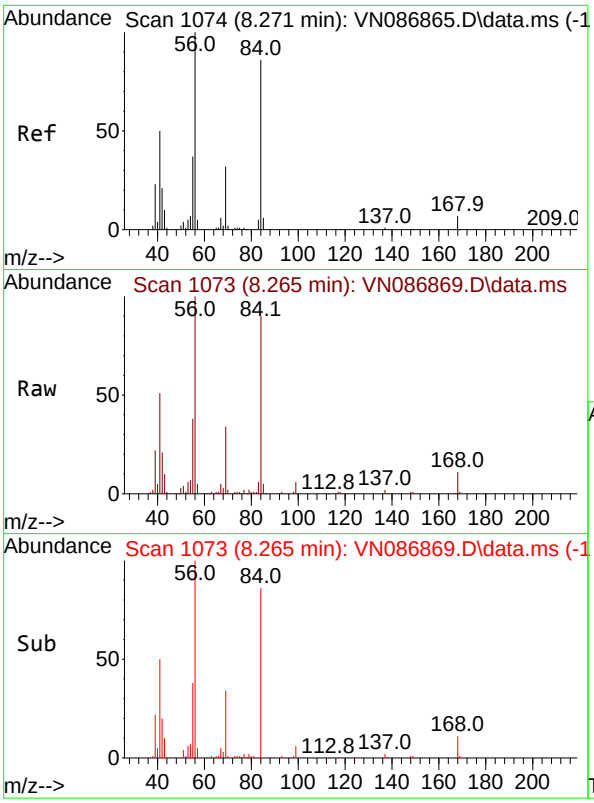


#30
Chloroform
Concen: 50.933 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 248429

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3



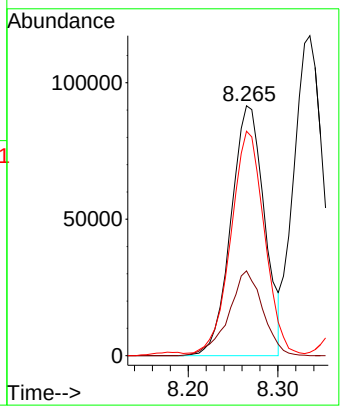


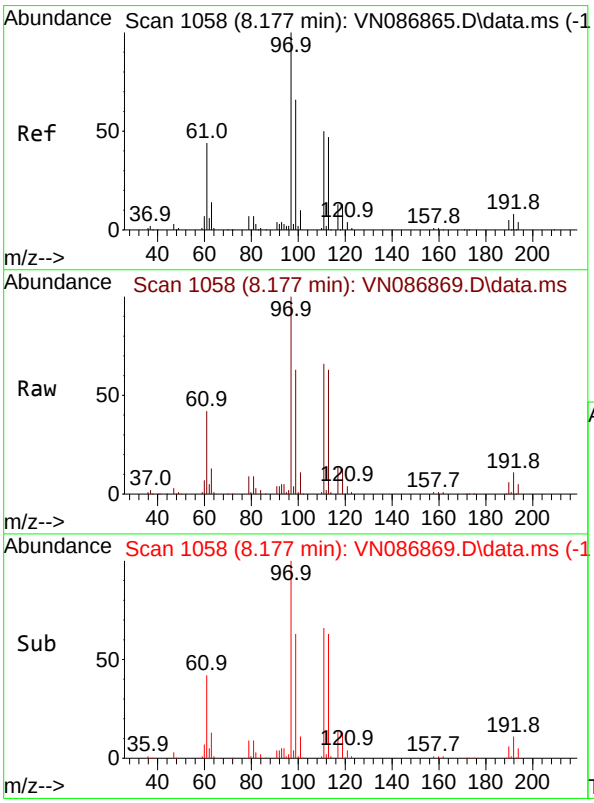
#31
Cyclohexane
Concen: 50.212 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 56 Resp: 237836

Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	88.4	68.8	103.2

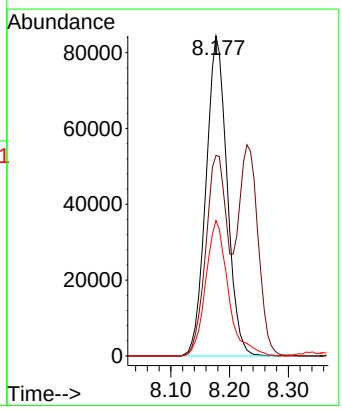


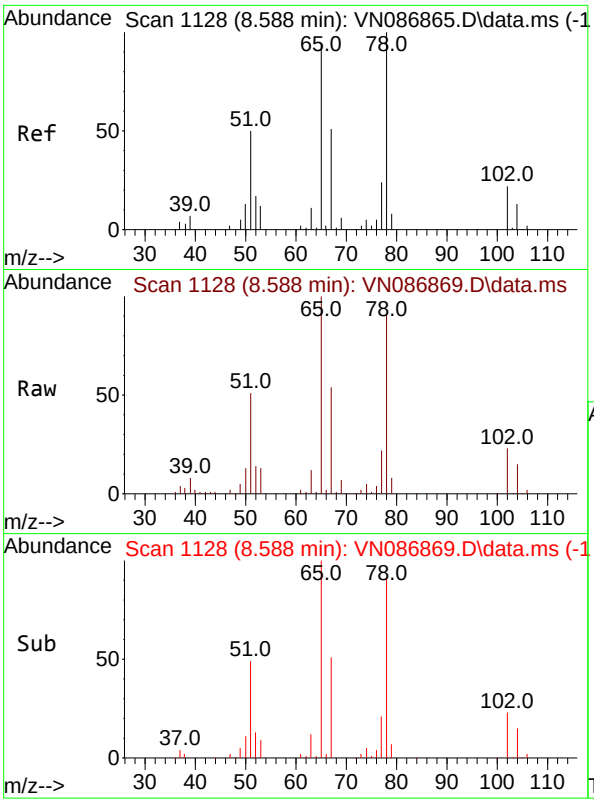


#32
1,1,1-Trichloroethane
Concen: 50.603 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 209927

Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.0	78.0
61	45.4	35.9	53.9



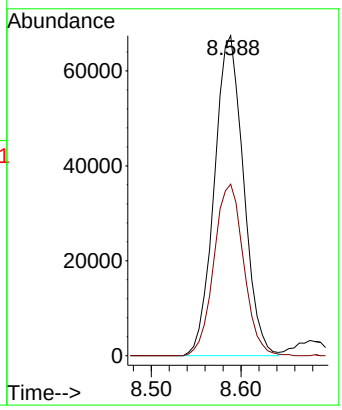


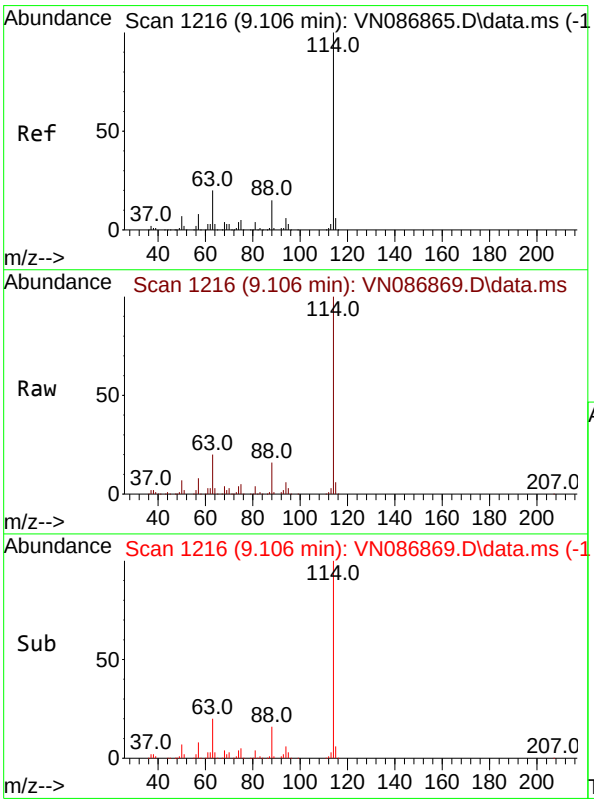
#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 65 Resp: 152255

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6

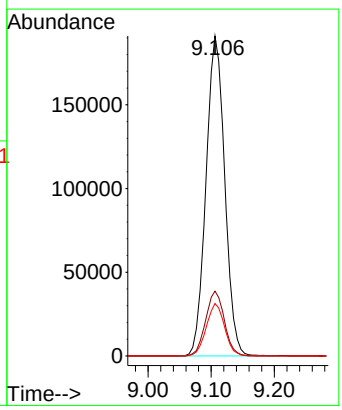


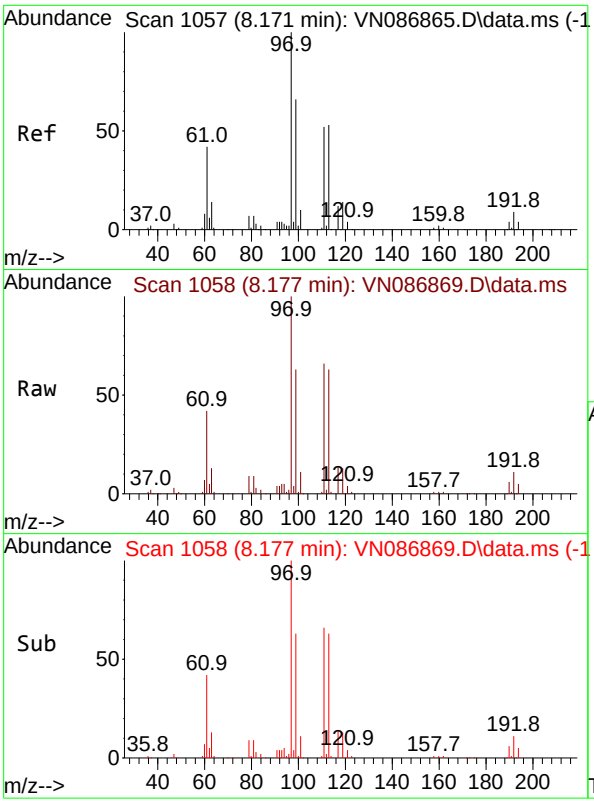


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:114 Resp: 394140

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.4	0.0	30.2



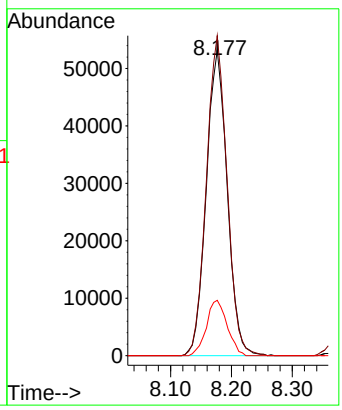


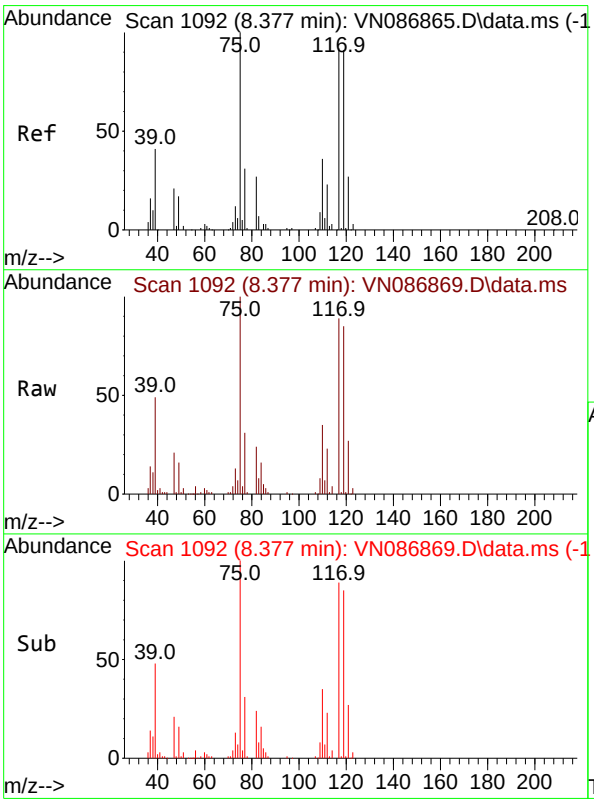
#35
Dibromofluoromethane
Concen: 54.416 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:113 Resp: 127102

Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.2	126.2
192	18.0	14.2	21.4

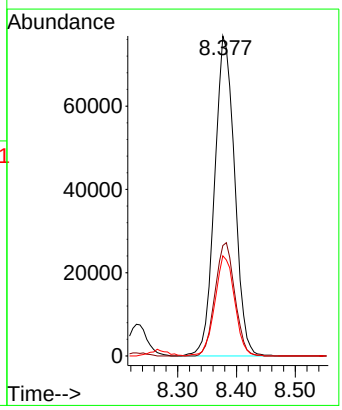


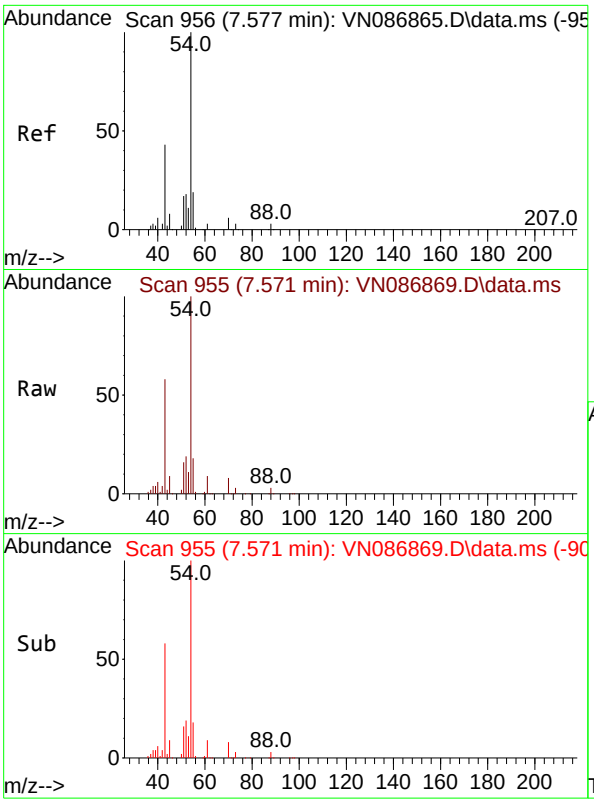


#36
1,1-Dichloropropene
Concen: 52.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 181414

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.6	52.9
77	31.0	25.3	37.9



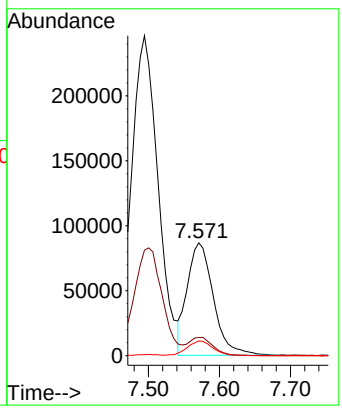


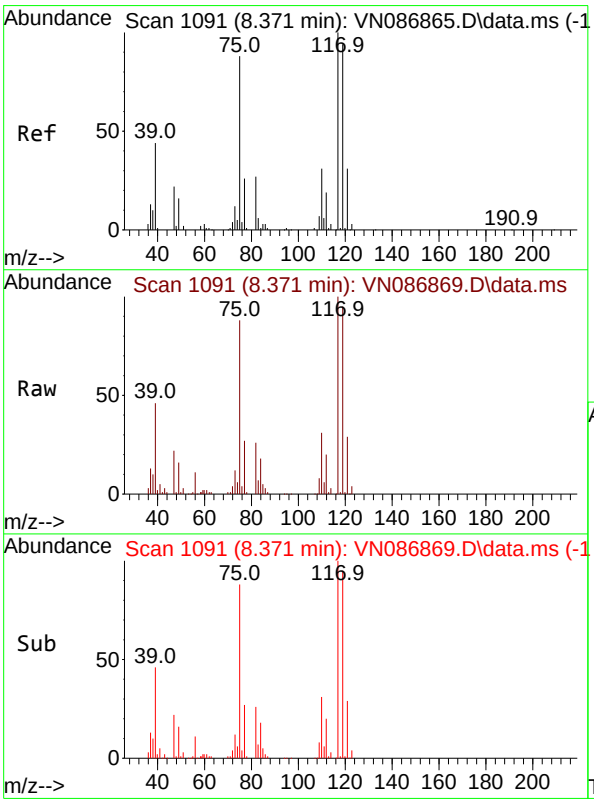
#37
Ethyl Acetate
Concen: 50.125 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 222090

Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.9	9.8	14.6

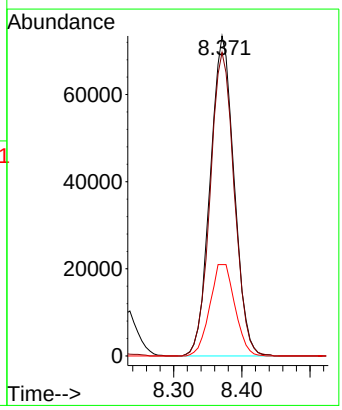


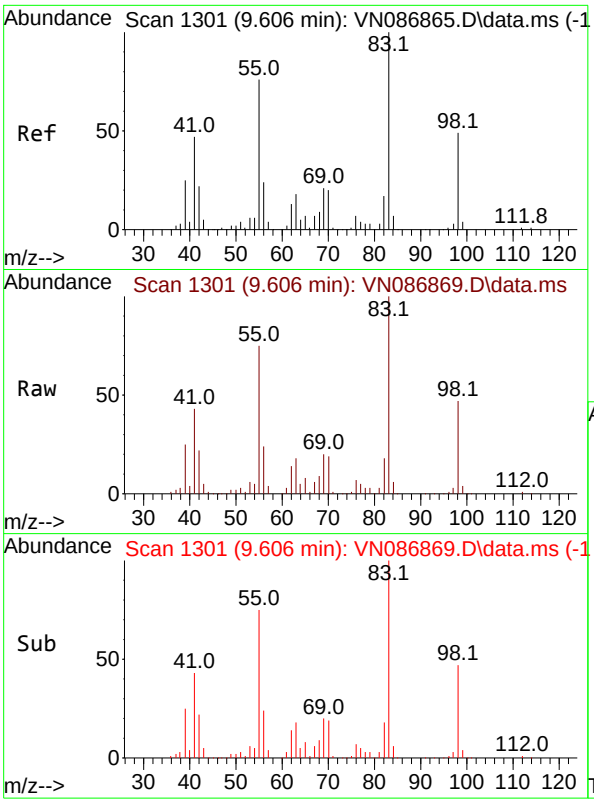


#38
Carbon Tetrachloride
Concen: 52.466 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 179281

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.0	112.6
121	28.5	24.9	37.3



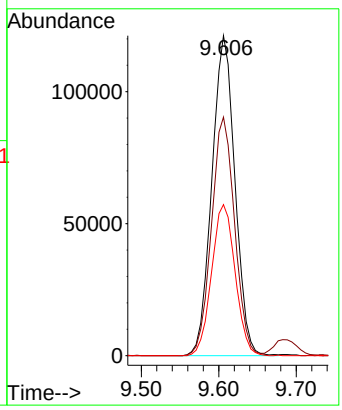


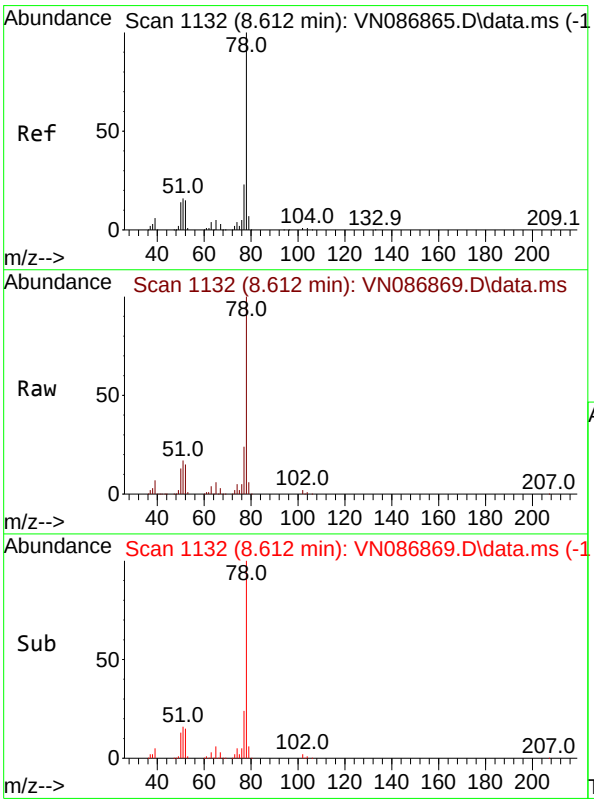
#39
Methylcyclohexane
Concen: 52.686 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 251231

Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.0	91.6
98	47.2	38.9	58.3

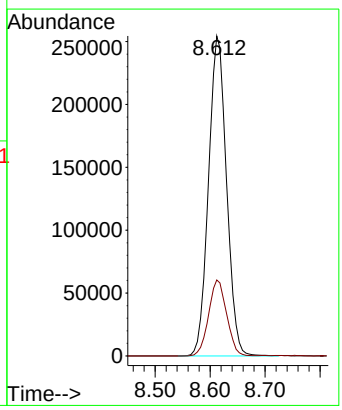


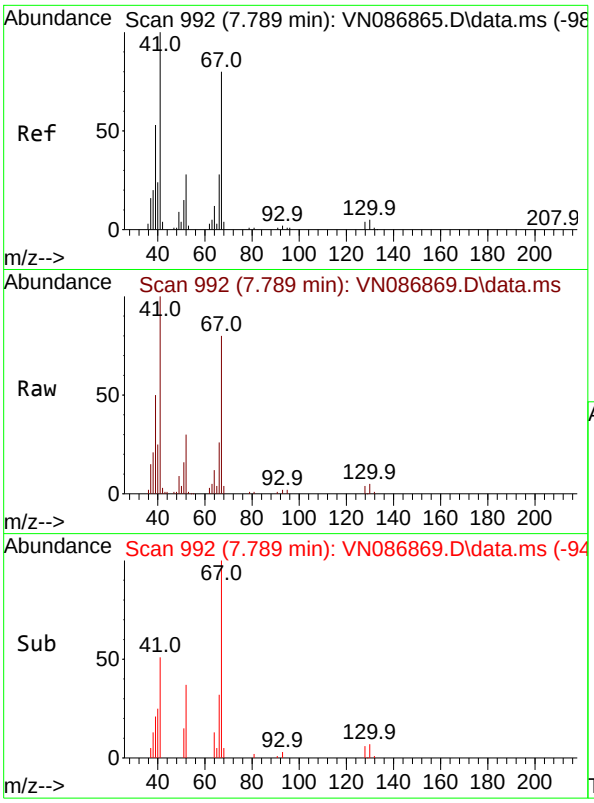


#40
Benzene
Concen: 50.931 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 78 Resp: 579667

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1



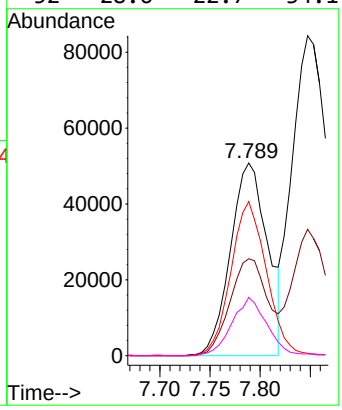


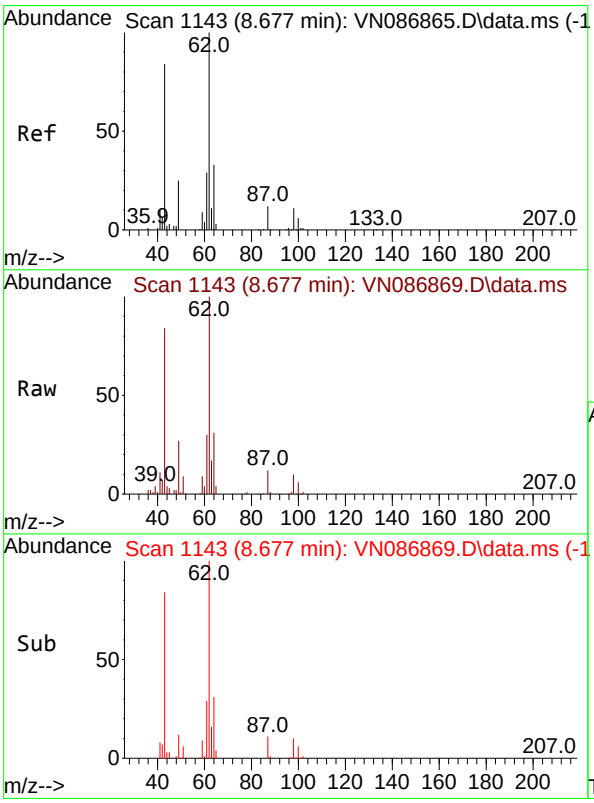
#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 41 Resp: 130903

Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.2	61.8
67	76.9	61.4	92.2
52	28.6	22.7	34.1

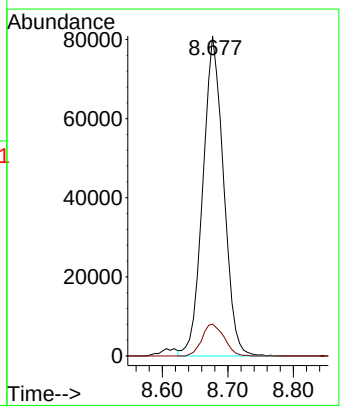


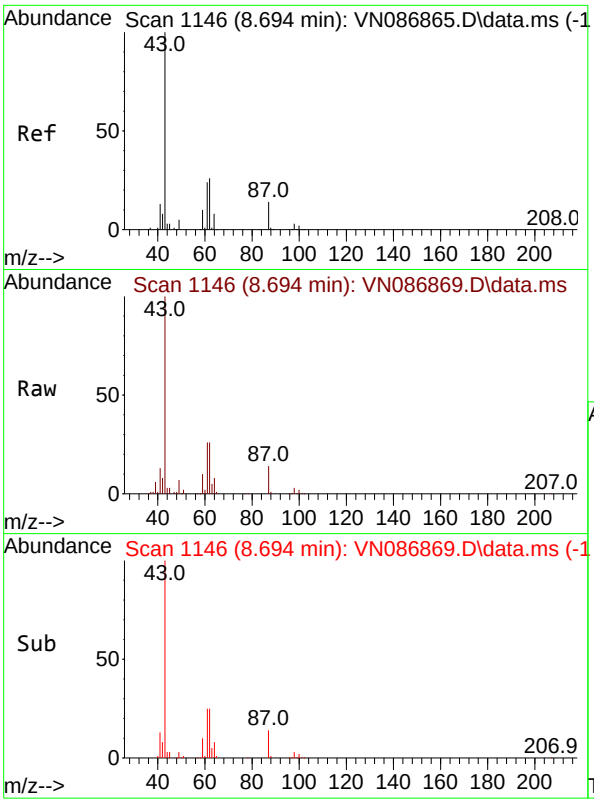


#42
1,2-Dichloroethane
Concen: 51.489 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 177746

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



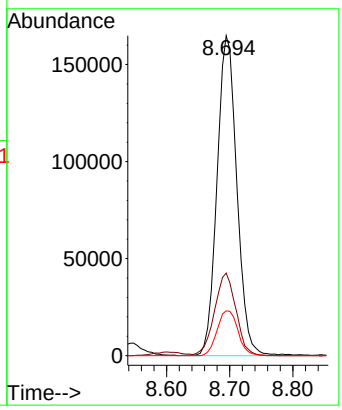


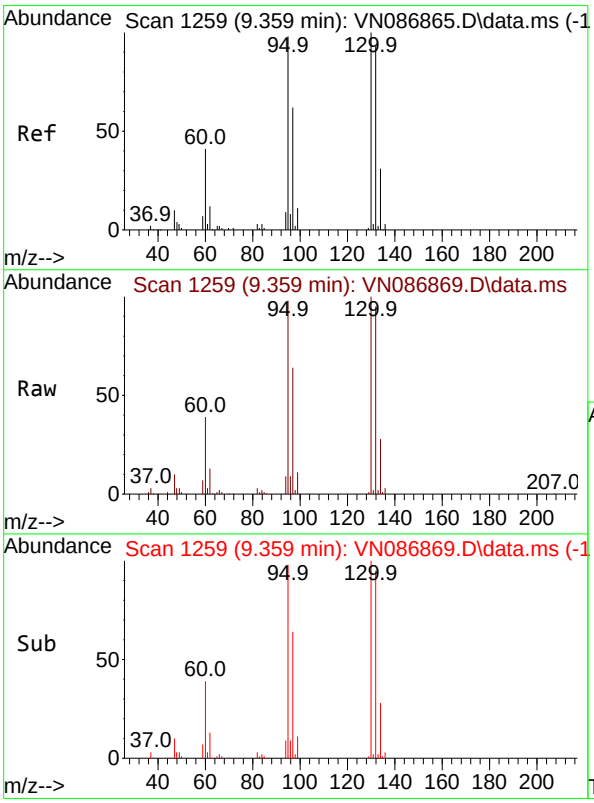
#43
Isopropyl Acetate
Concen: 50.536 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 359378

Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.8	11.8	17.6

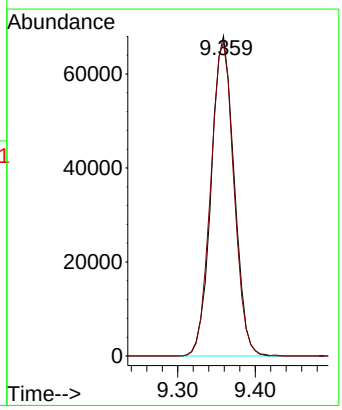


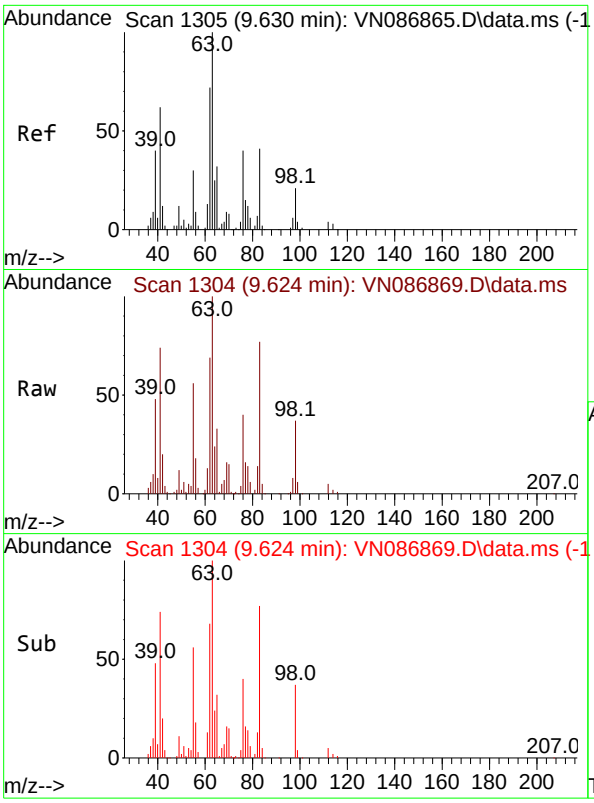


#44
Trichloroethene
Concen: 51.788 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:130 Resp: 139763

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.2



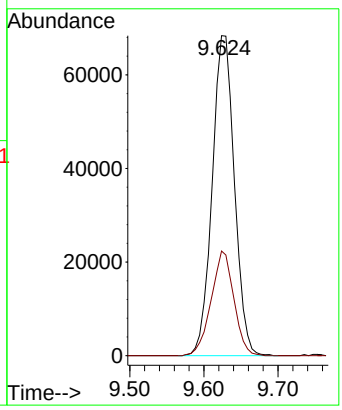


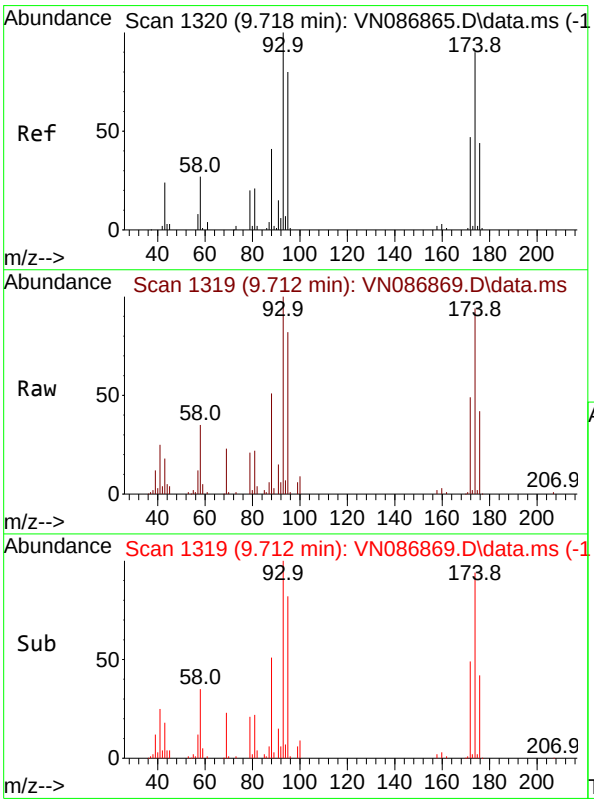
#45
1,2-Dichloropropane
Concen: 51.450 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 63 Resp: 142463

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

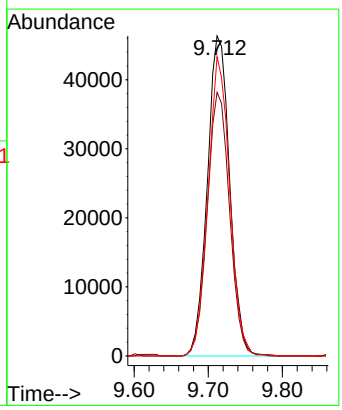


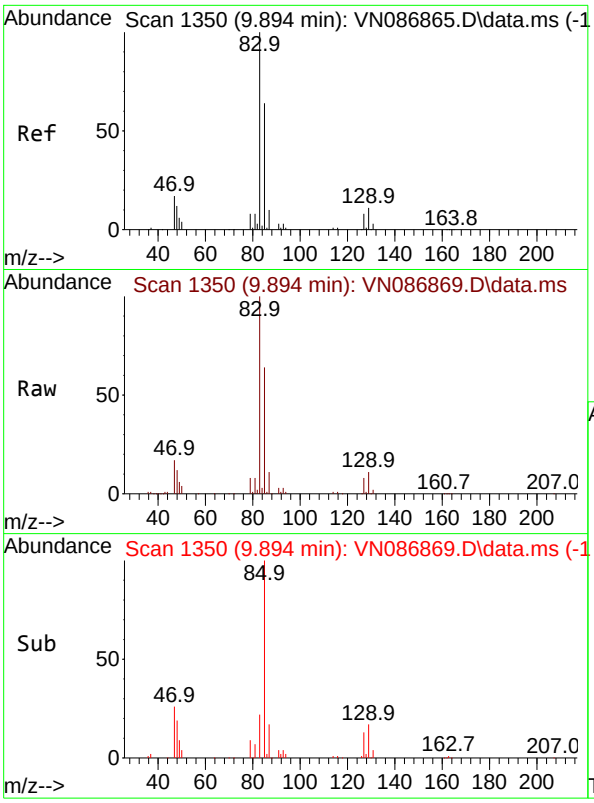


#46
Dibromomethane
Concen: 52.849 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 93 Resp: 97199

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.1	100.7
174	90.9	74.2	111.4



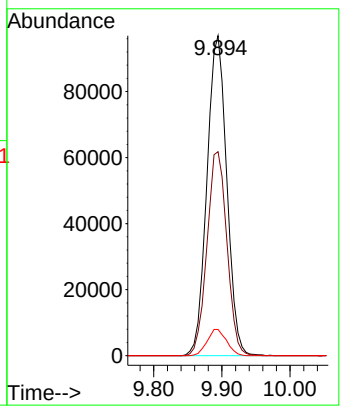


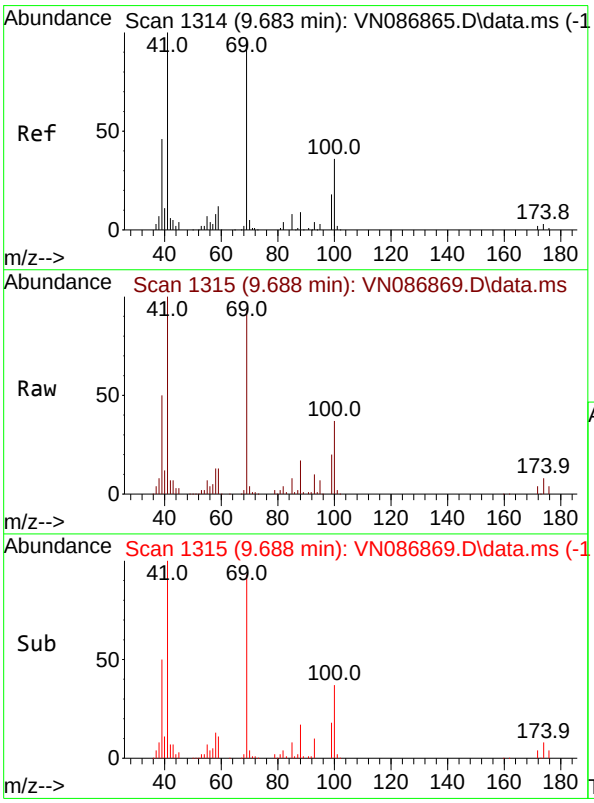
#47
Bromodichloromethane
Concen: 51.824 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 196104

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.2	6.6	10.0

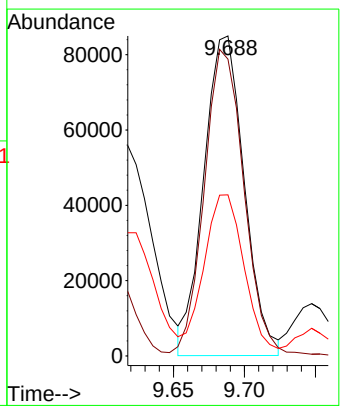


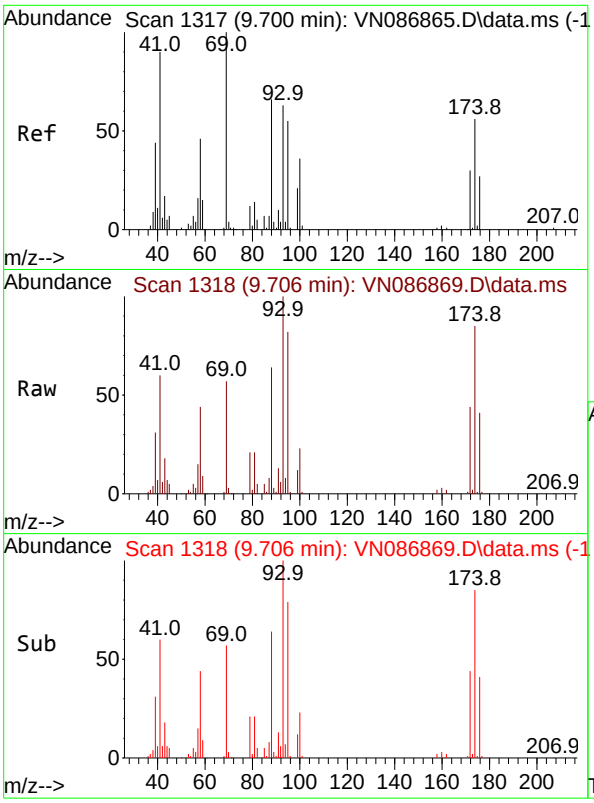


#48
Methyl methacrylate
Concen: 51.328 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 168001

Ion	Ratio	Lower	Upper
41	100		
69	95.2	74.6	112.0
39	51.0	40.2	60.4



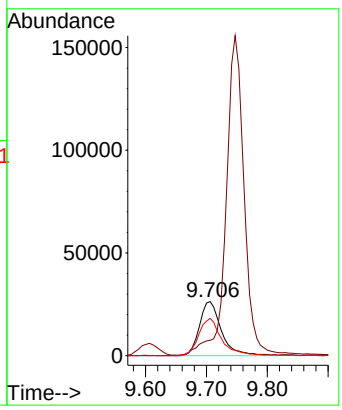


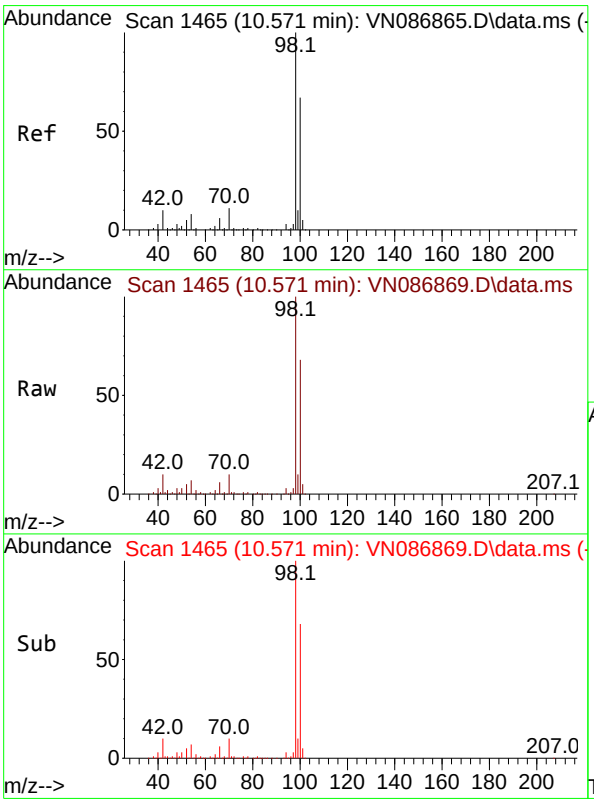
#49
1,4-Dioxane
Concen: 1110.123 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 88 Resp: 66102

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	57.7	86.5

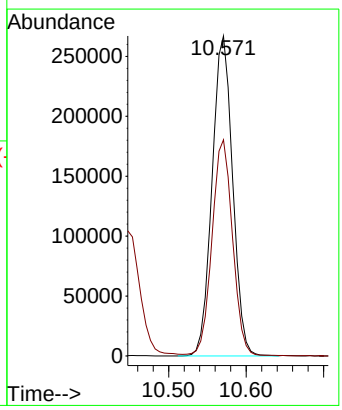


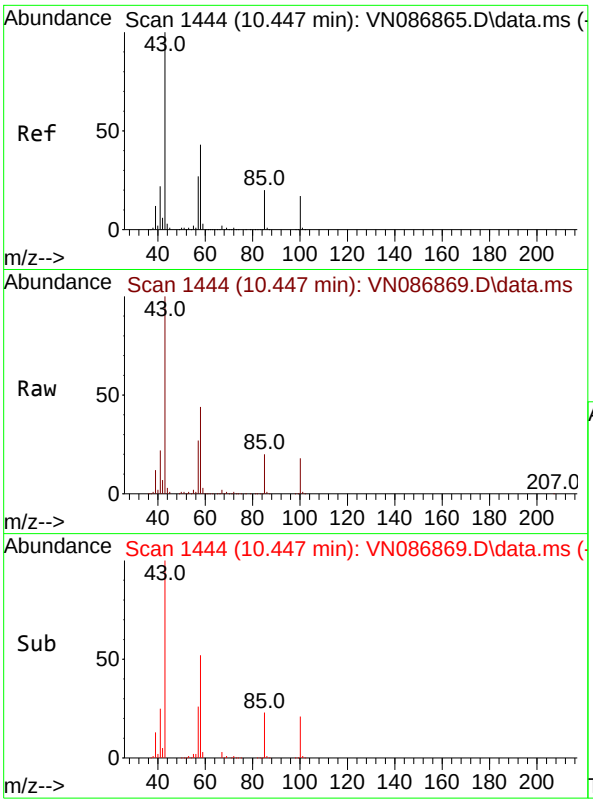


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 98 Resp: 491265

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0



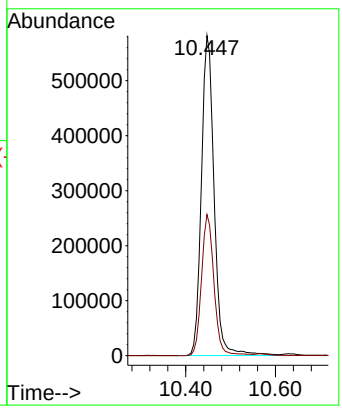


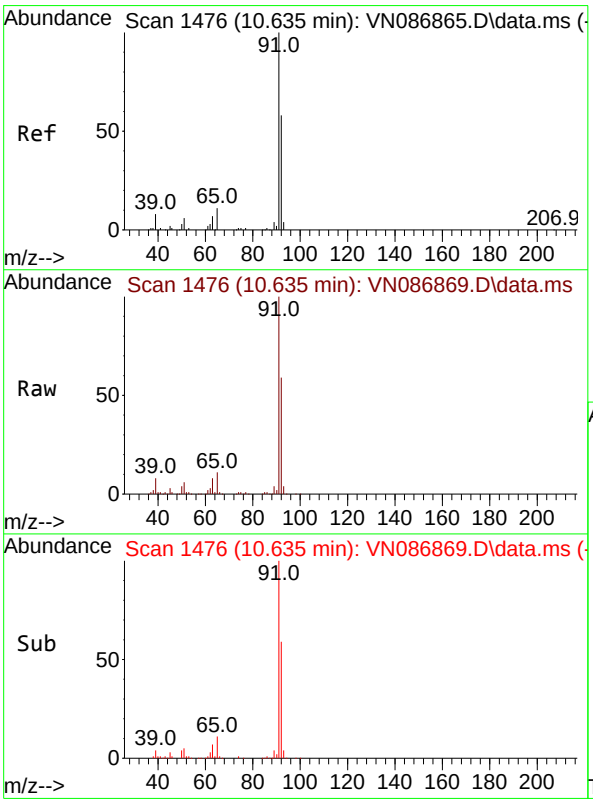
#51
4-Methyl-2-Pentanone
Concen: 267.835 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 1146622

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.2	51.4

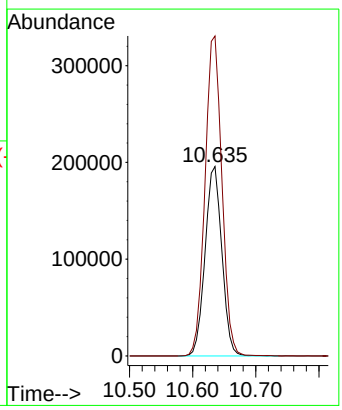


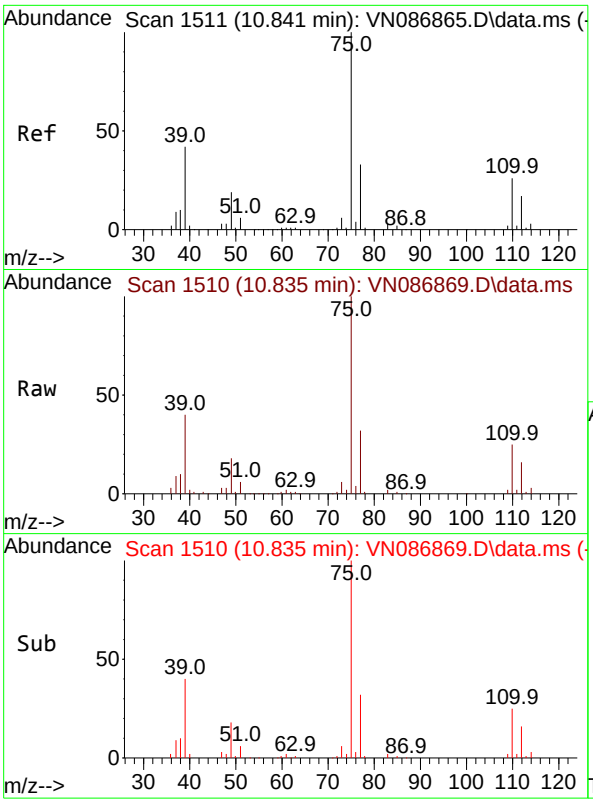


#52
Toluene
Concen: 52.040 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 92 Resp: 361963

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.5	204.7



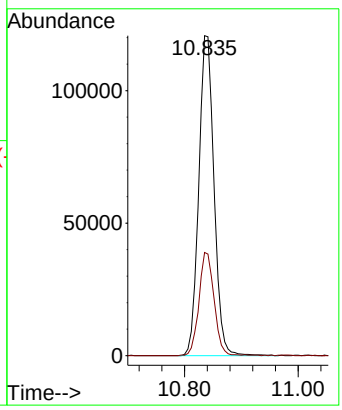


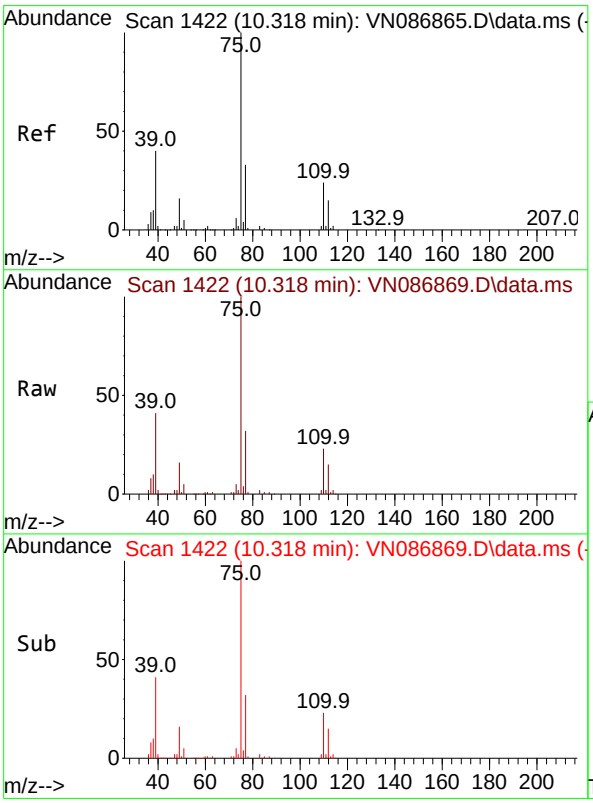
#53
t-1,3-Dichloropropene
Concen: 53.137 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 75 Resp: 224839

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

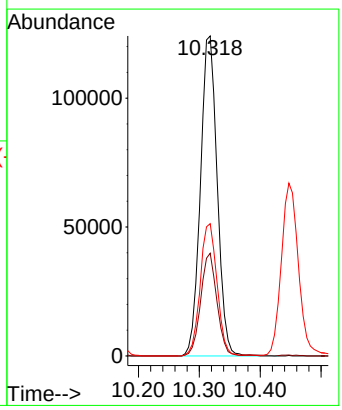


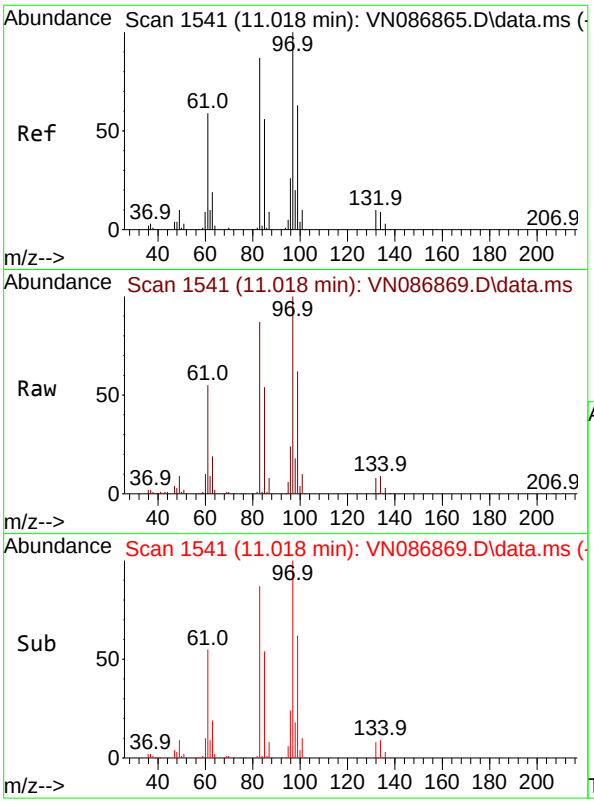


#54
cis-1,3-Dichloropropene
Concen: 52.519 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 237774

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
39	41.3	32.3	48.5



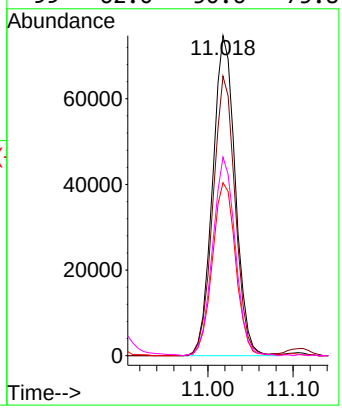


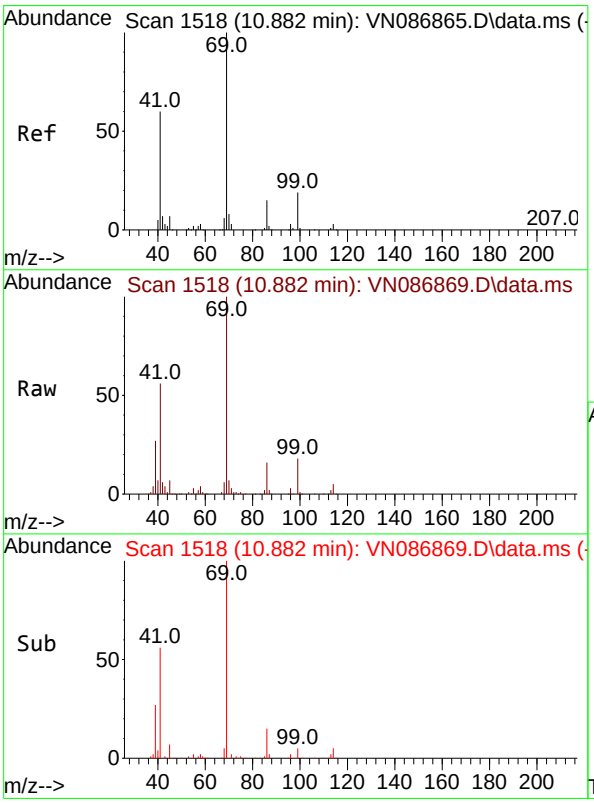
#55
1,1,2-Trichloroethane
Concen: 51.562 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 97 Resp: 137998

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	54.1	45.1	67.7
99	62.0	50.6	75.8

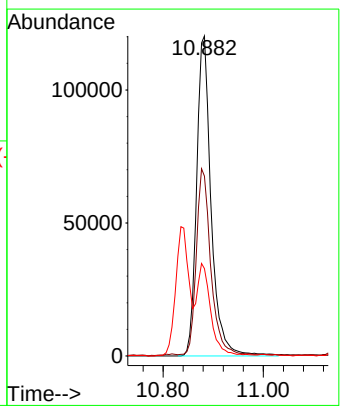


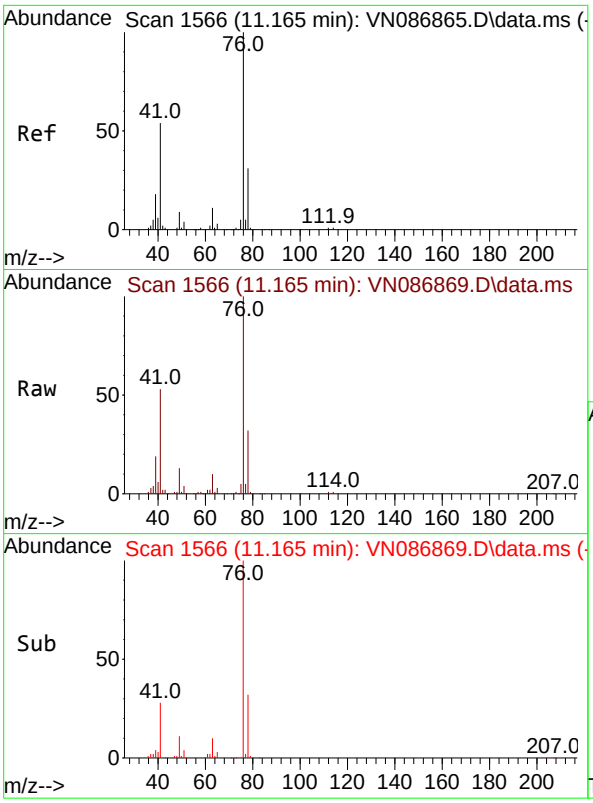


#56
Ethyl methacrylate
Concen: 56.688 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 69 Resp: 241649

Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.2	70.8
39	27.4	23.0	34.6



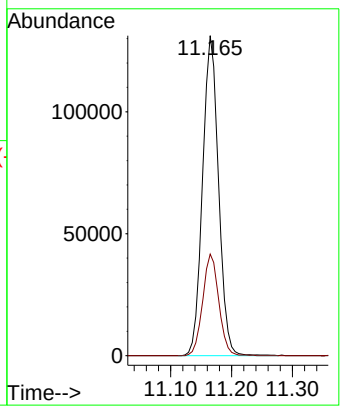


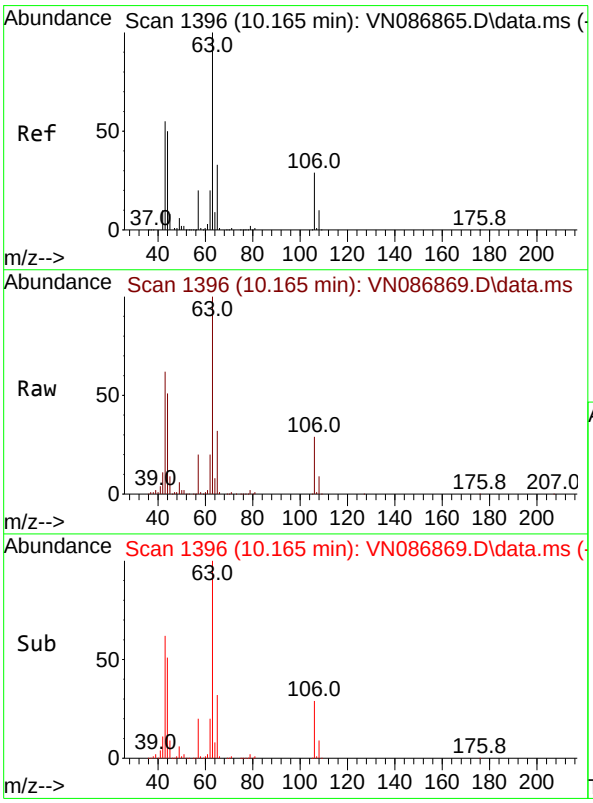
#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 76 Resp: 238572

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.3	37.9

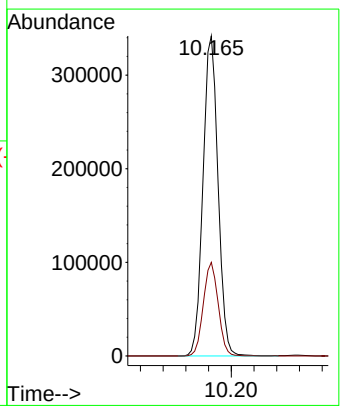


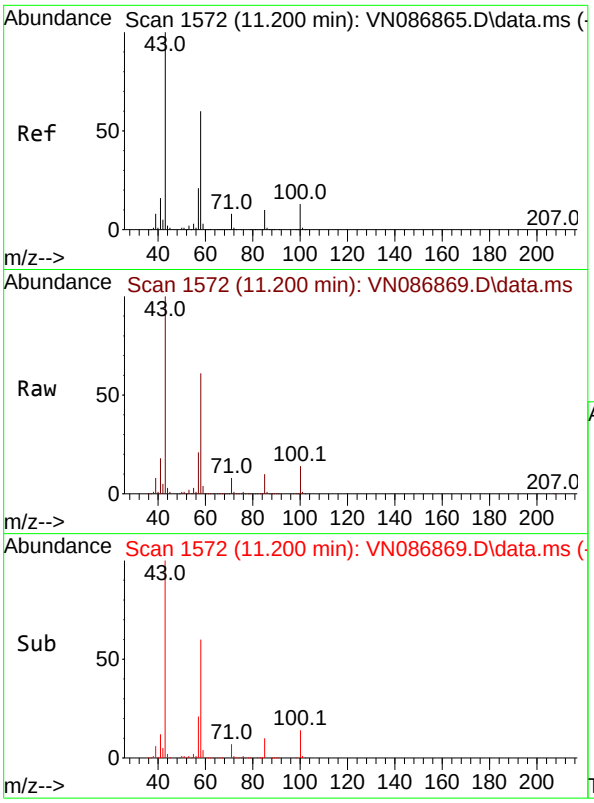


#58
2-Chloroethyl Vinyl ether
Concen: 246.006 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 625479

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



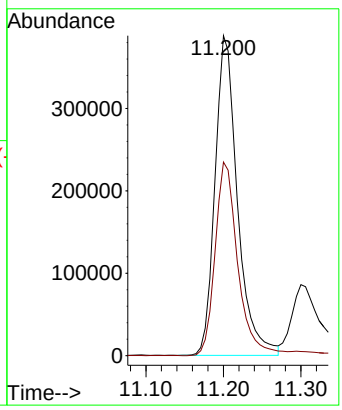


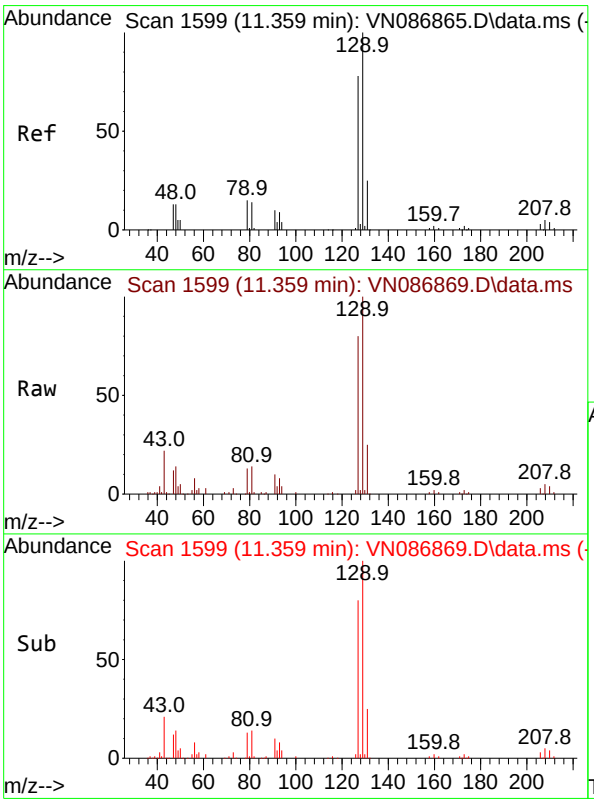
#59
2-Hexanone
Concen: 283.478 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 781717

Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.4	91.3

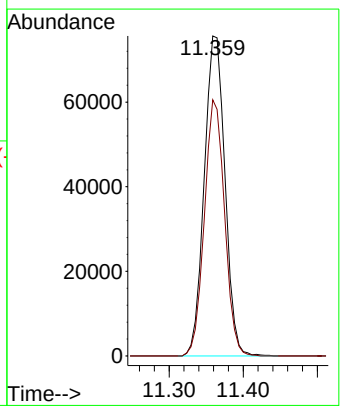


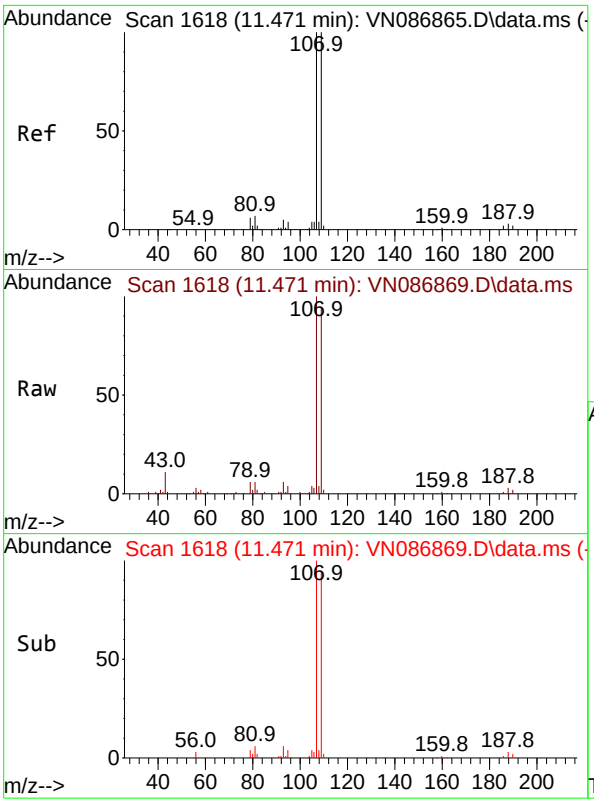


#60
Dibromochloromethane
Concen: 52.627 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:129 Resp: 146749

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8



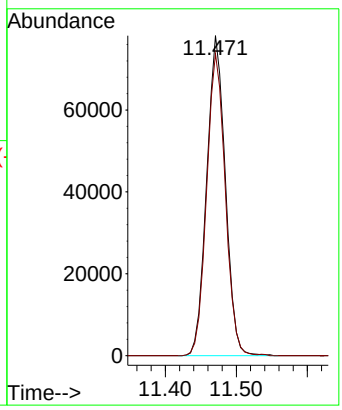


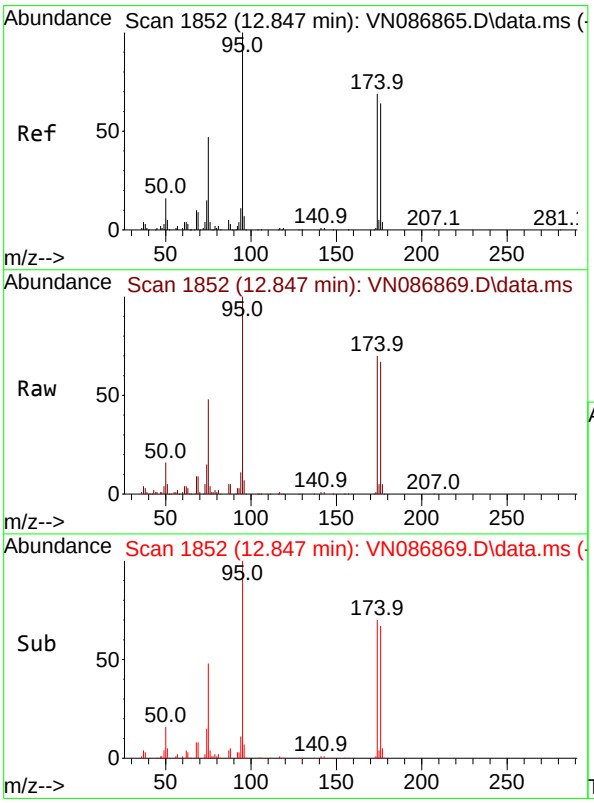
#61
1,2-Dibromoethane
Concen: 51.887 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:107 Resp: 142338

Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5

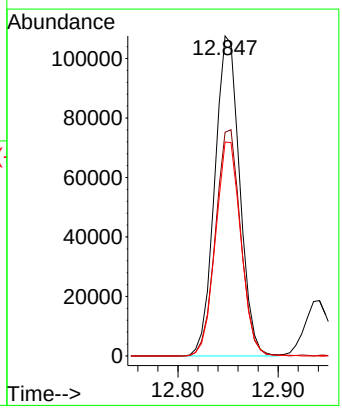


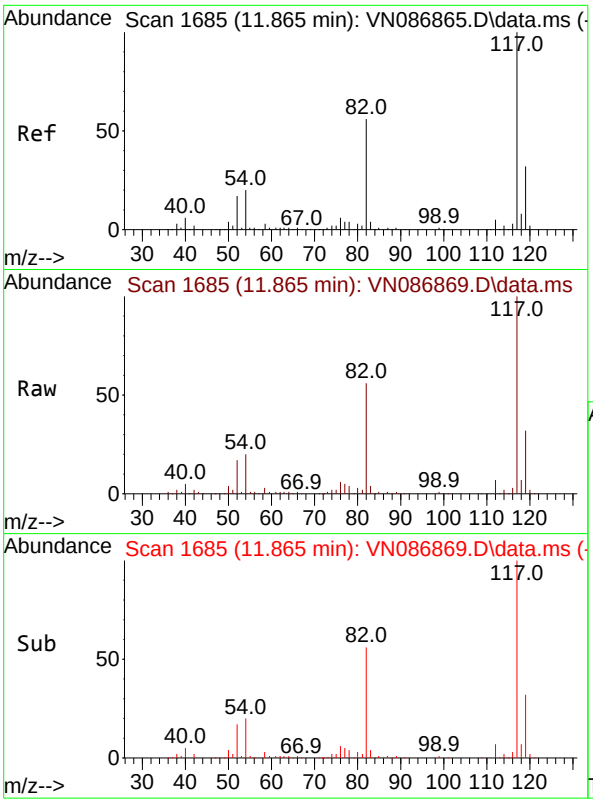


#62
4-Bromofluorobenzene
Concen: 54.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 95 Resp: 185792

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.8
176	68.1	0.0	132.6



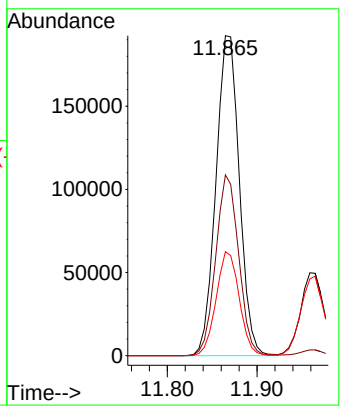


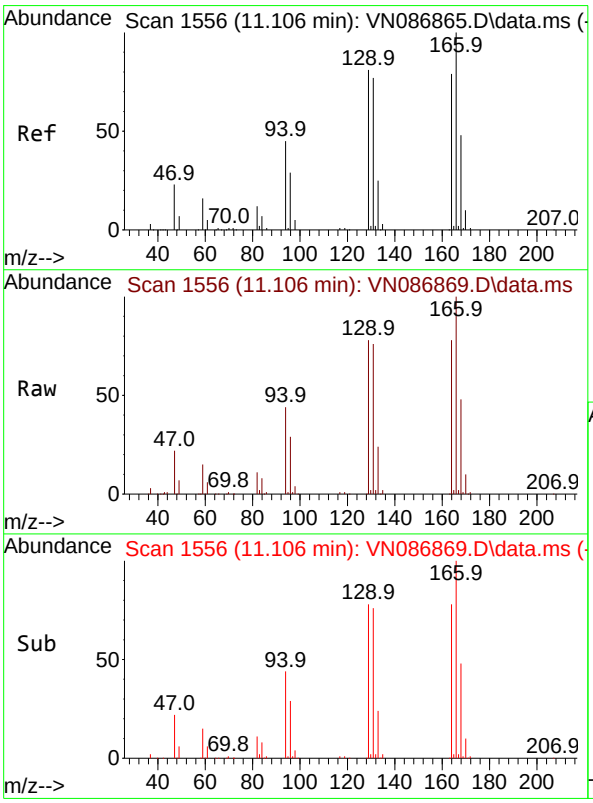
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:117 Resp: 348935

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.5	25.5	38.3

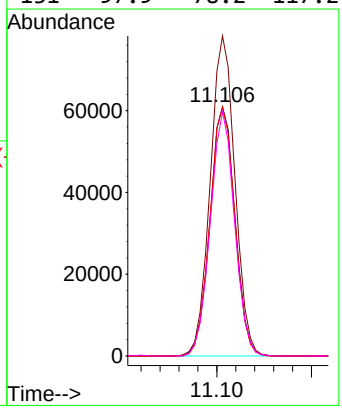


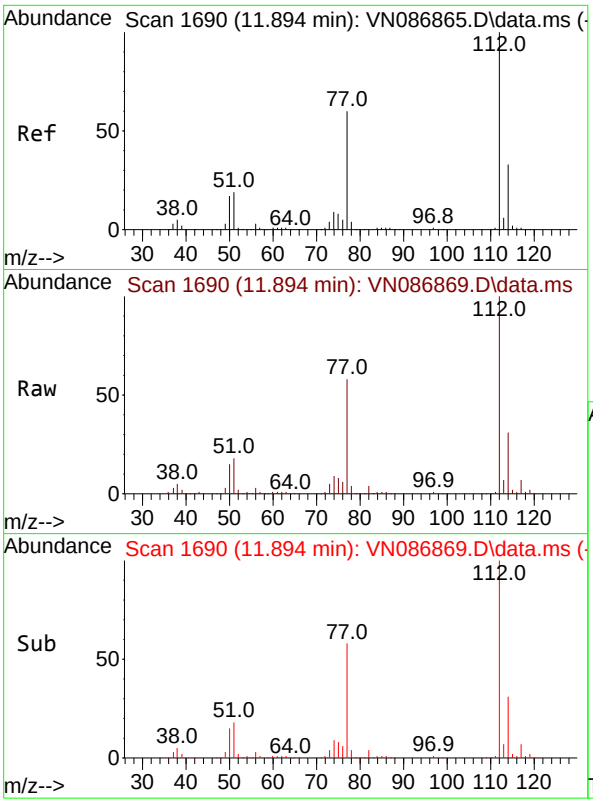


#64
Tetrachloroethene
Concen: 50.450 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:164 Resp: 111409

Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.8	152.8
129	99.9	83.0	124.4
131	97.9	78.2	117.2



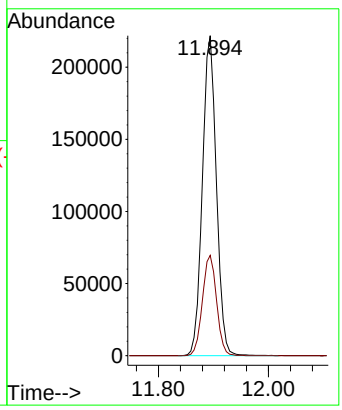


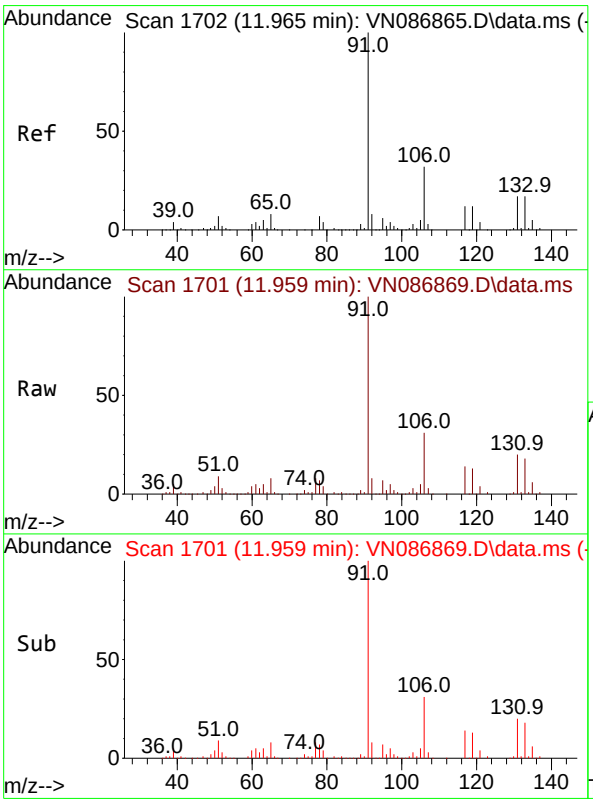
#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:112 Resp: 391661

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2

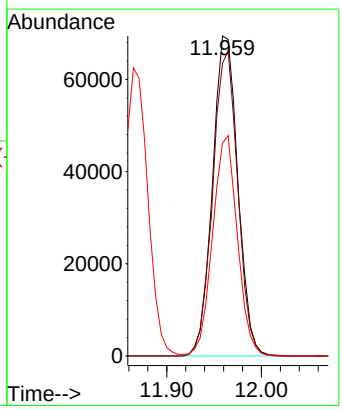


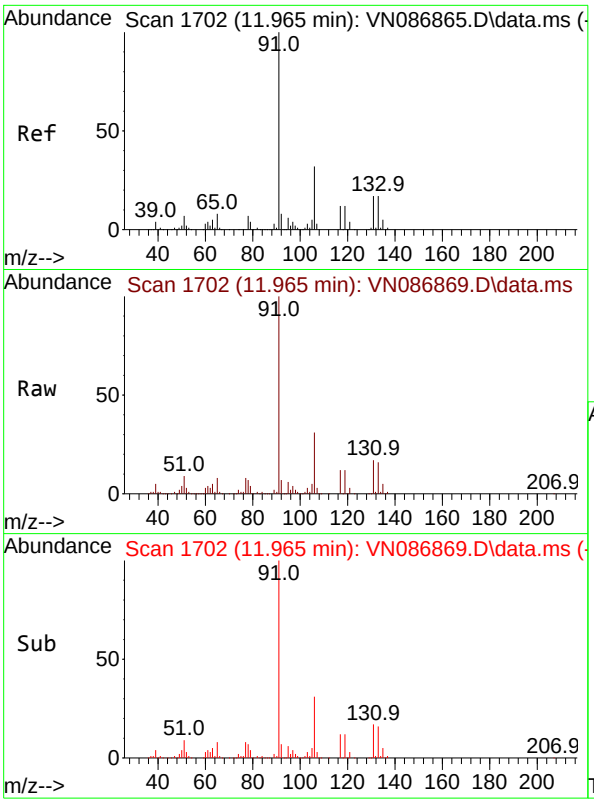


#66
1,1,1,2-Tetrachloroethane
Concen: 52.164 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:131 Resp: 129045

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	67.4	34.0	101.8



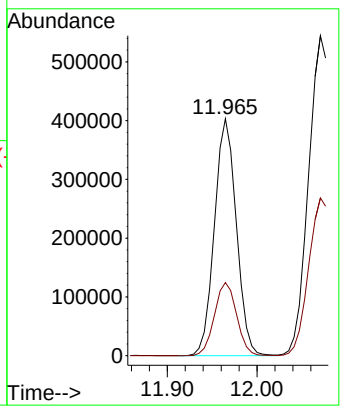


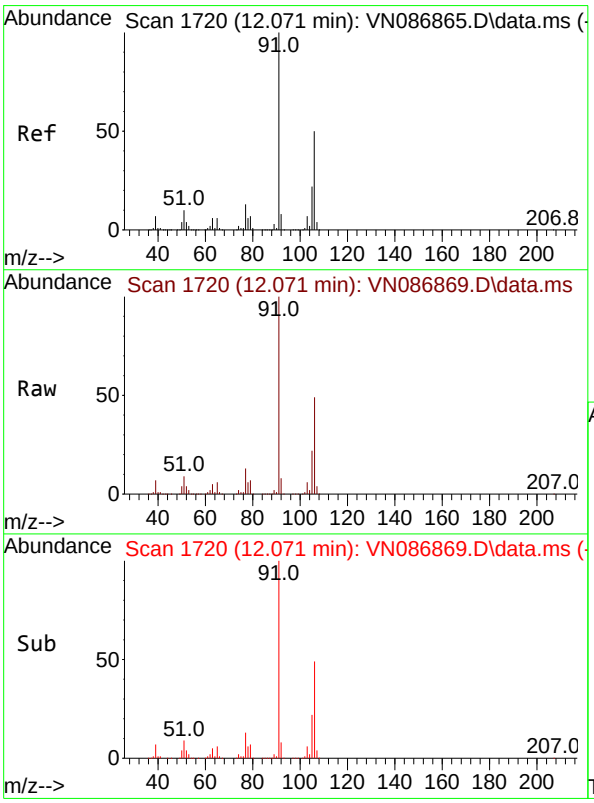
#67
Ethyl Benzene
Concen: 51.590 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 683879

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

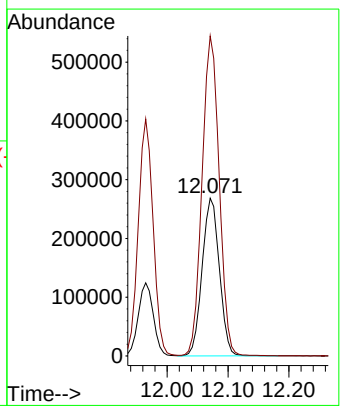


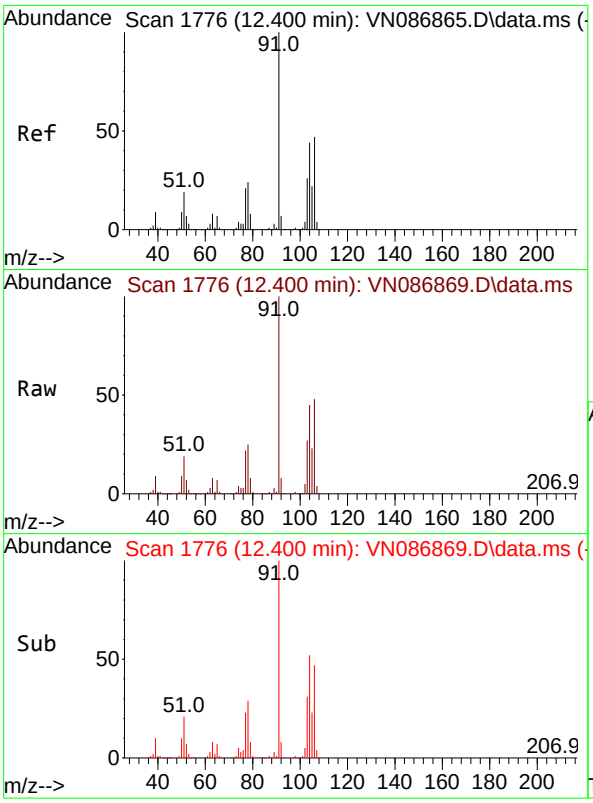


#68
m/p-Xylenes
Concen: 103.912 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:106 Resp: 527293

Ion	Ratio	Lower	Upper
106	100		
91	202.0	159.4	239.0



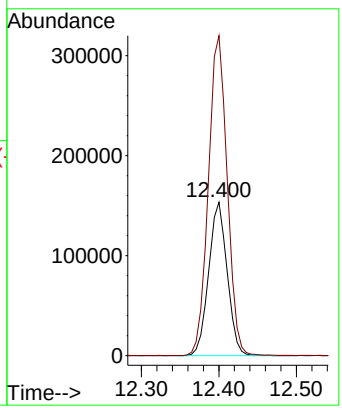


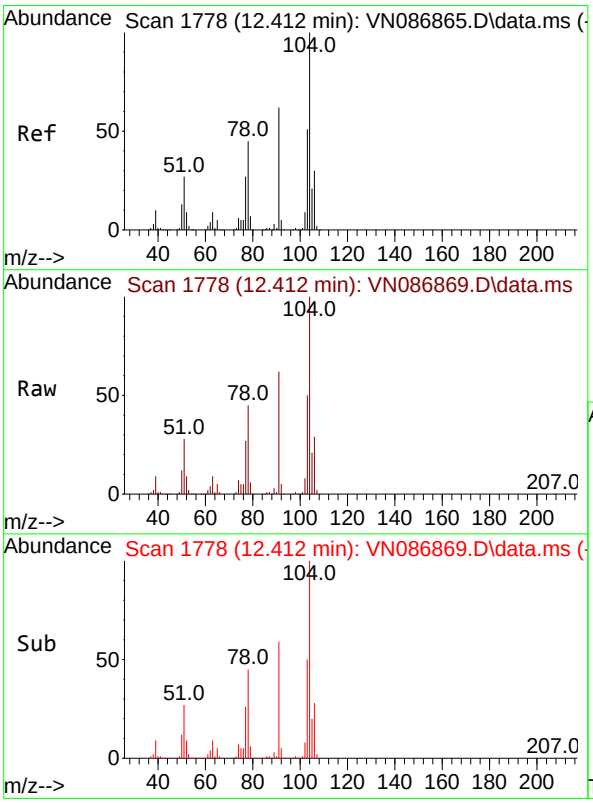
#69
o-Xylene
Concen: 52.387 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:106 Resp: 254600

Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

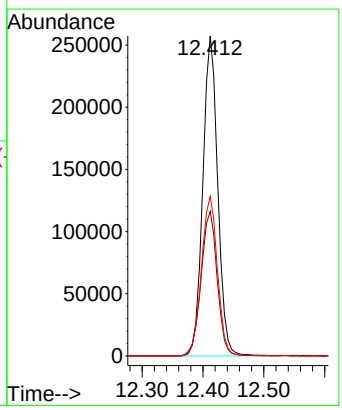


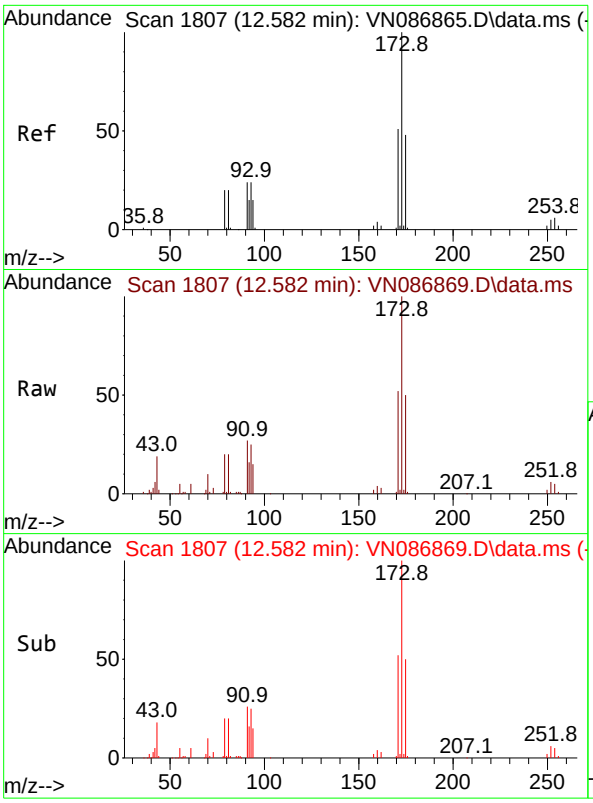


#70
Styrene
Concen: 52.758 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:104 Resp: 438751

Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.5	57.7
103	53.7	43.1	64.7



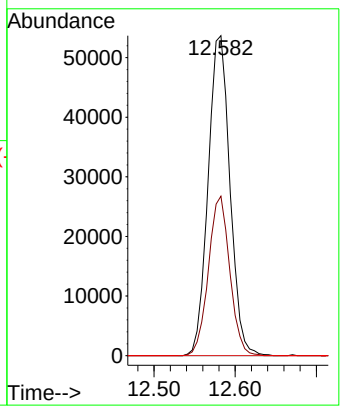


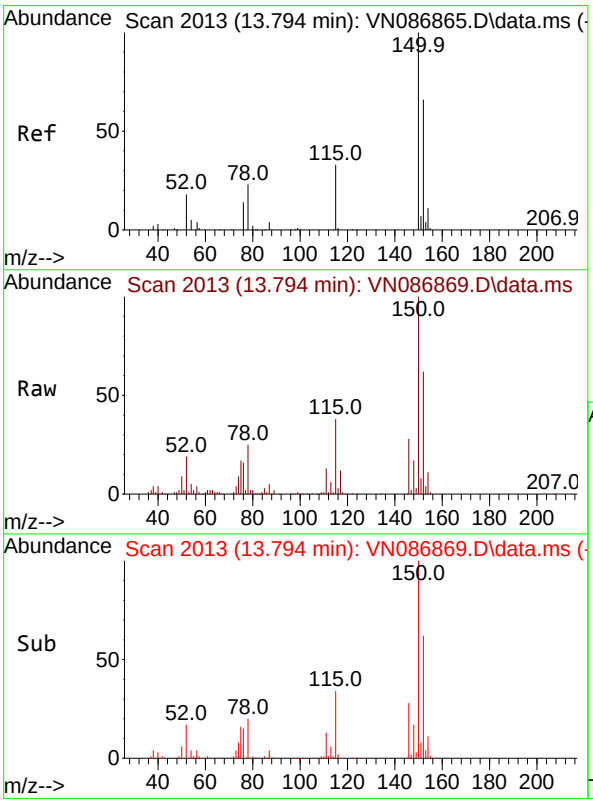
#71
Bromoform
Concen: 54.751 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:173 Resp: 100357

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

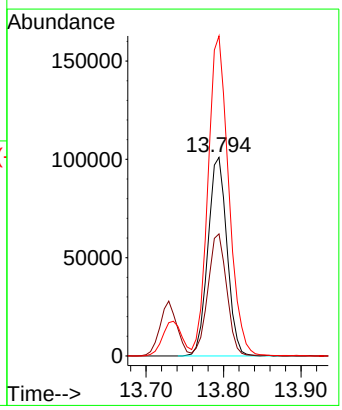


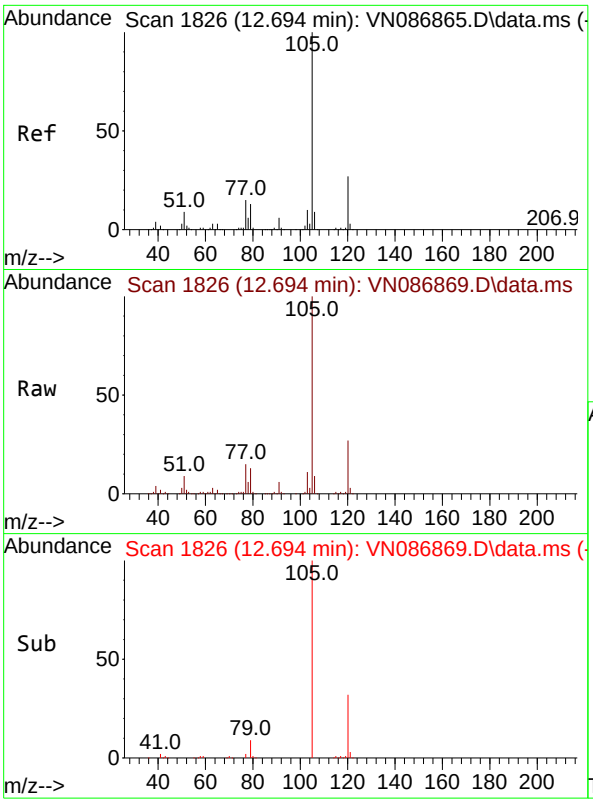


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:152 Resp: 172710

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	174.0	0.0	345.0



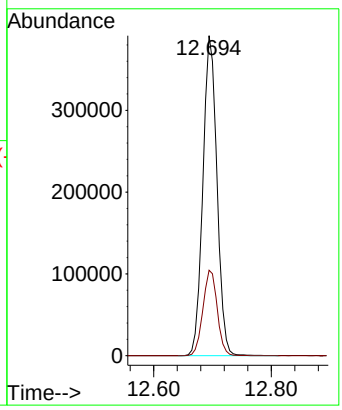


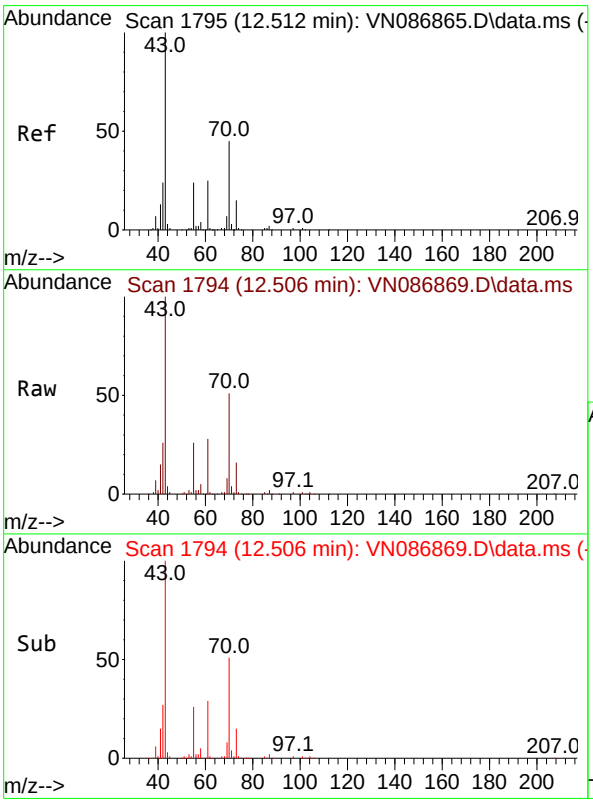
#73
Isopropylbenzene
Concen: 51.823 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:105 Resp: 652045

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

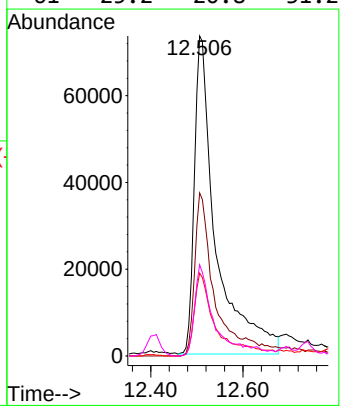


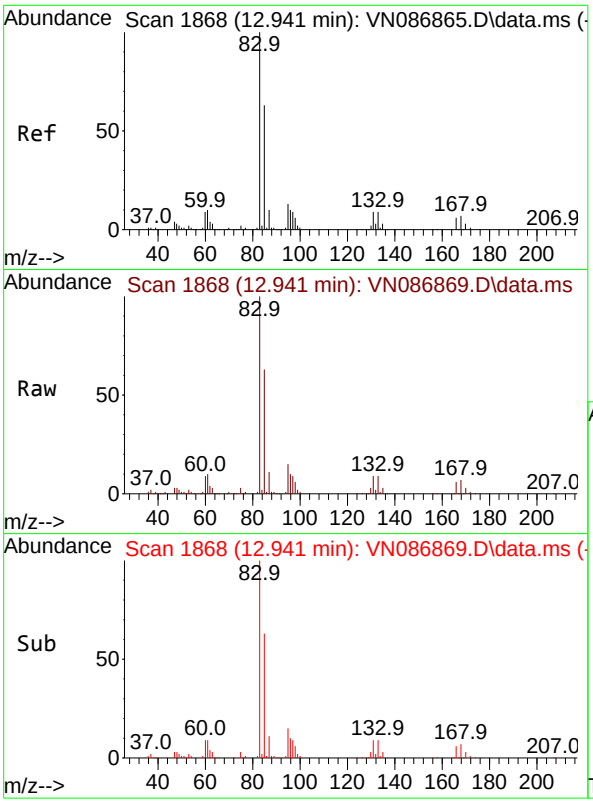


#74
N-amyl acetate
Concen: 54.212 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 238355

Ion	Ratio	Lower	Upper
43	100		
70	49.3	37.6	56.4
55	25.3	19.0	28.6
61	25.2	20.8	31.2



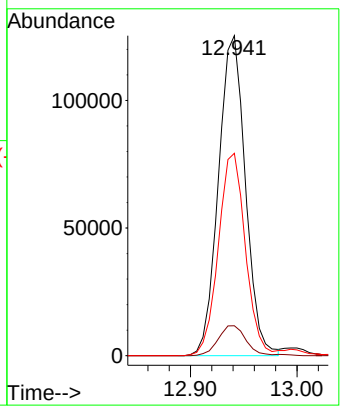


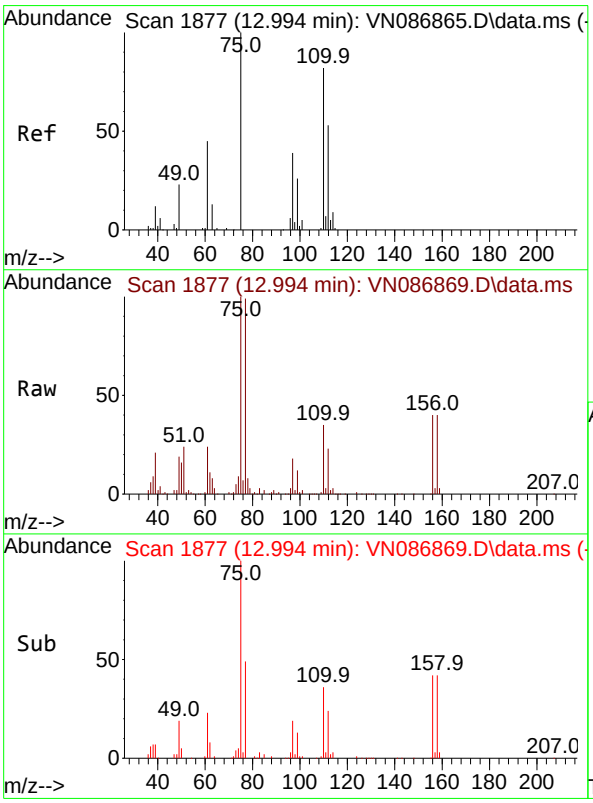
#75
1,1,2,2-Tetrachloroethane
Concen: 51.763 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 220643

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.9	32.0	96.0

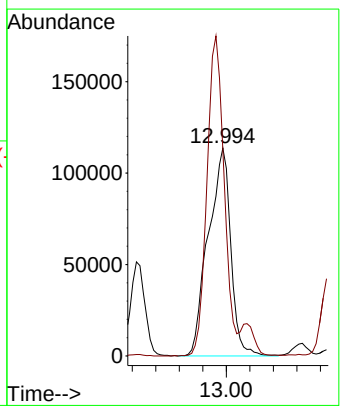


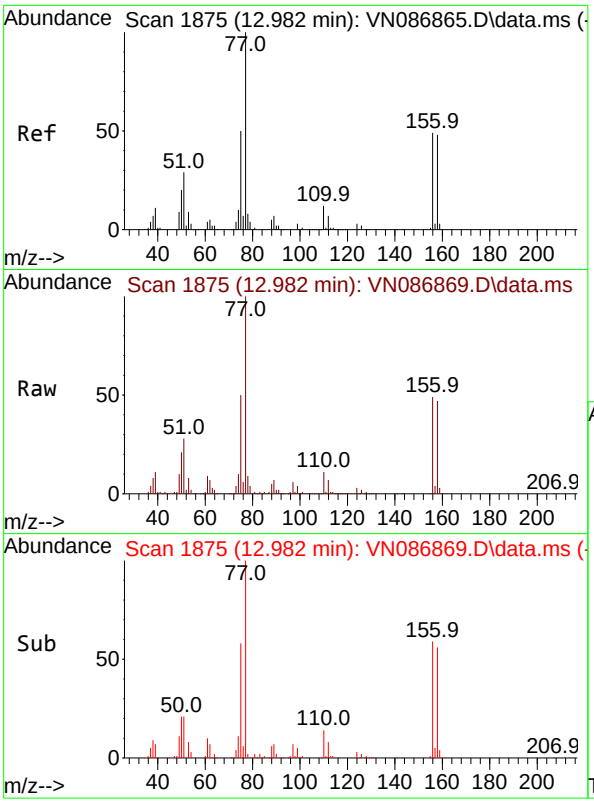


#76
1,2,3-Trichloropropane
Concen: 73.563 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 302004

Ion	Ratio	Lower	Upper
75	100		
77	117.4	79.3	237.9



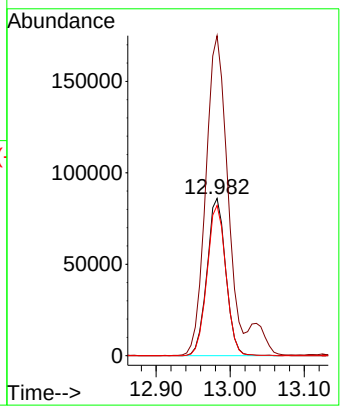


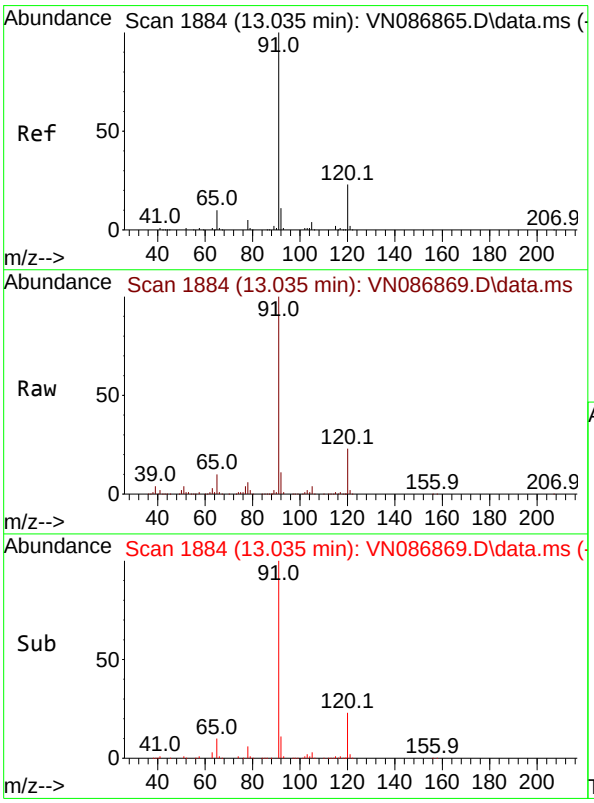
#77
Bromobenzene
Concen: 52.313 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:156 Resp: 150950

Ion	Ratio	Lower	Upper
156	100		
77	234.9	117.7	353.1
158	96.5	48.1	144.4

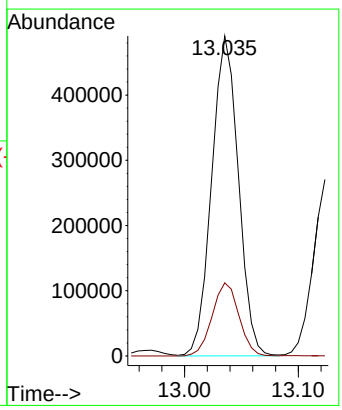


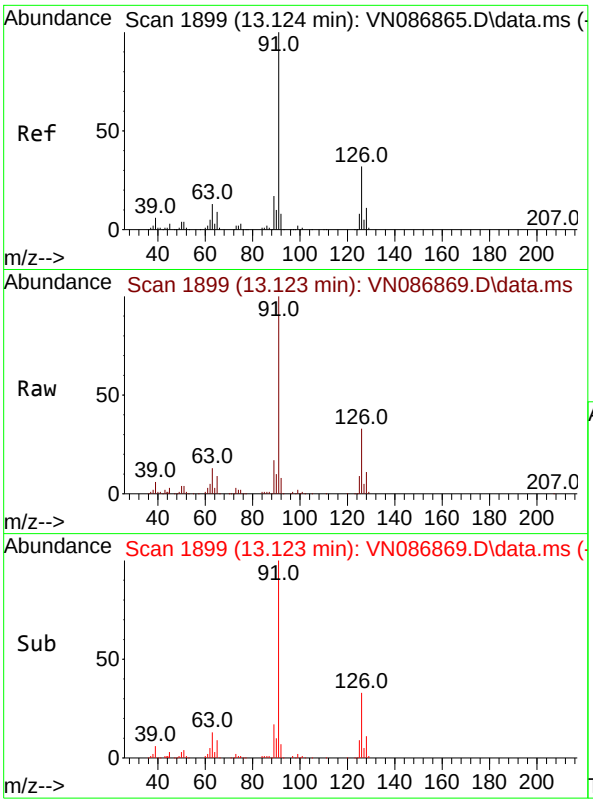


#78
n-propylbenzene
Concen: 52.397 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 801180

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



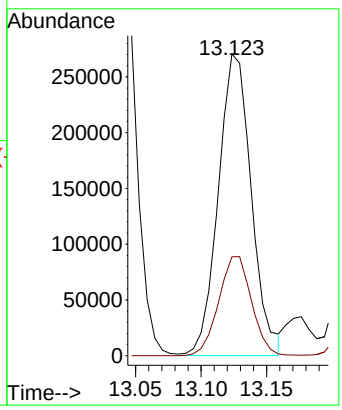


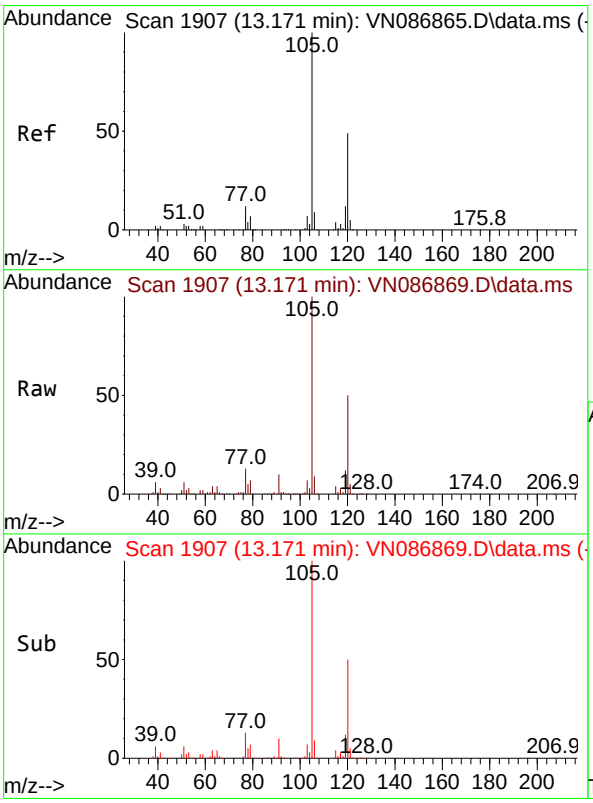
#79
2-Chlorotoluene
Concen: 51.650 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 473629

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

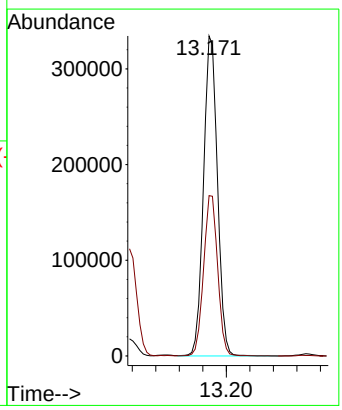


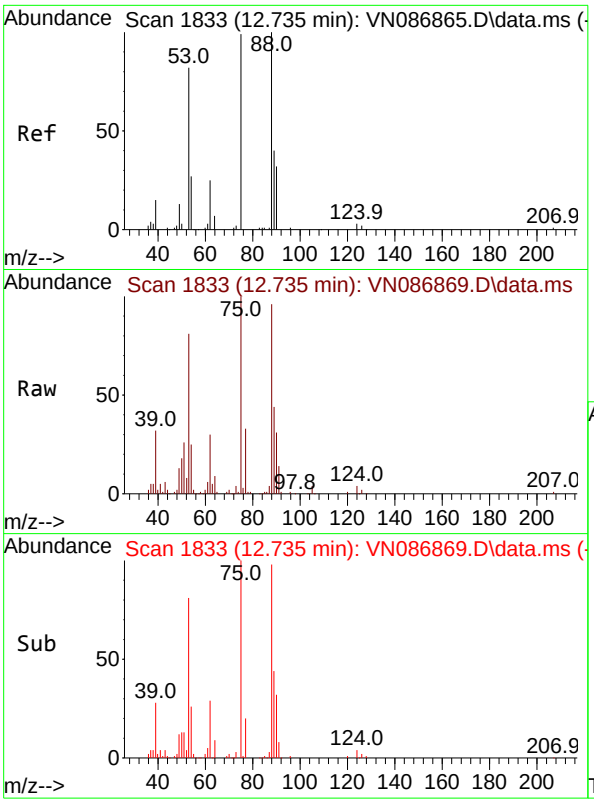


#80
1,3,5-Trimethylbenzene
Concen: 52.787 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 548347

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6



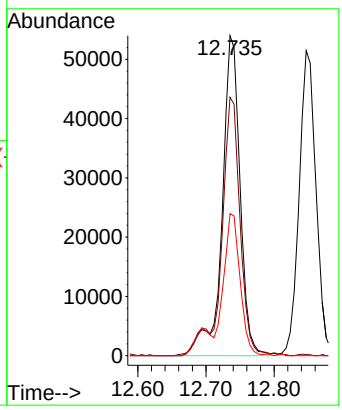


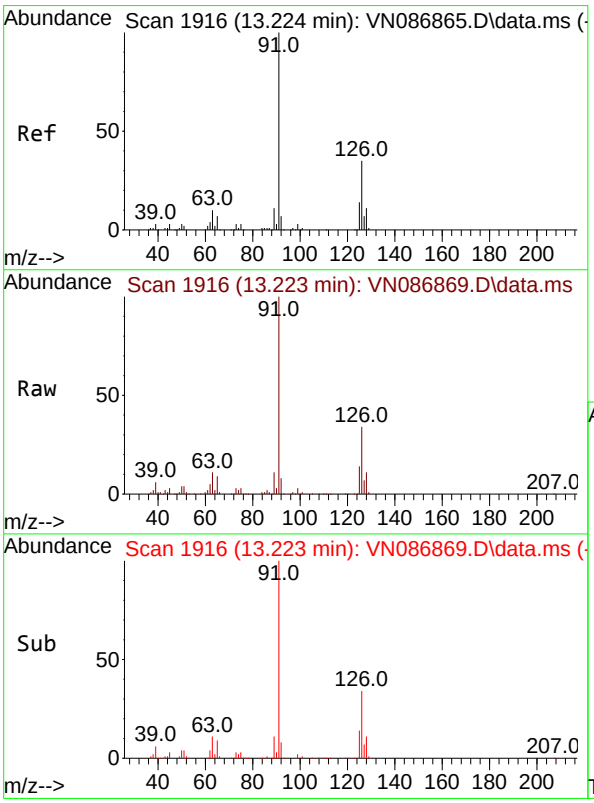
#81
trans-1,4-Dichloro-2-butene
Concen: 55.702 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 75 Resp: 99341

Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.6	99.8
89	40.4	36.7	55.1

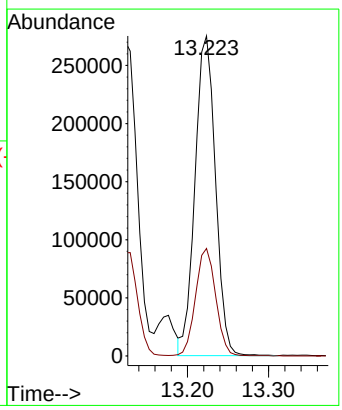


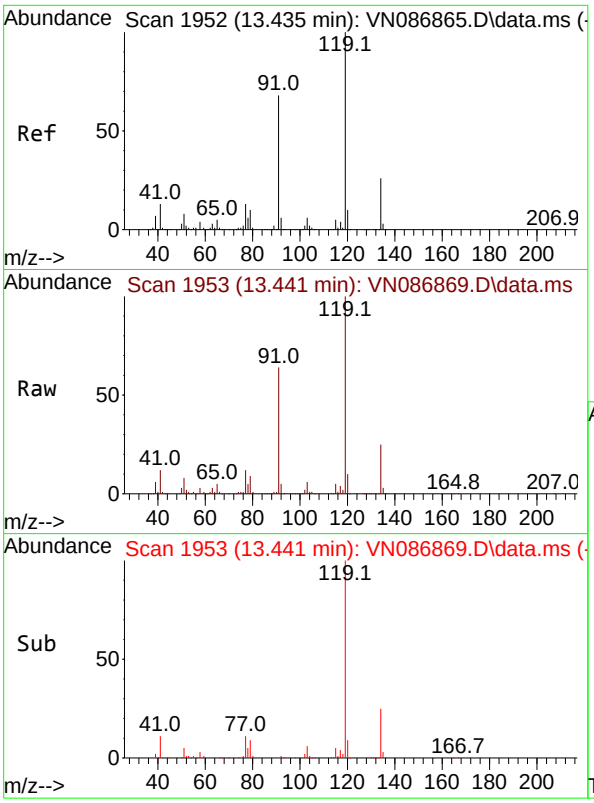


#82
4-Chlorotoluene
Concen: 51.884 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 481403

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1



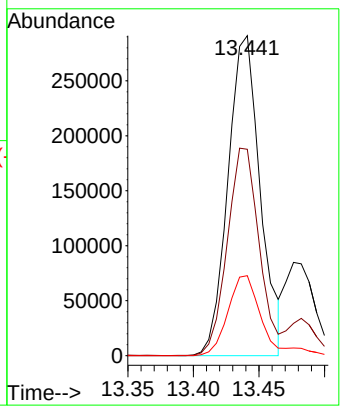


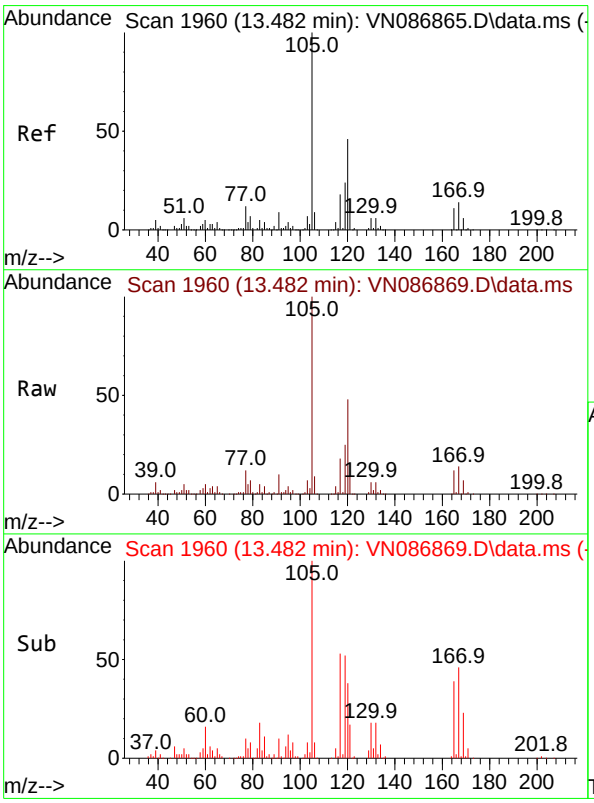
#83
tert-Butylbenzene
Concen: 52.532 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:119 Resp: 499519

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.5
134	26.4	13.4	40.1

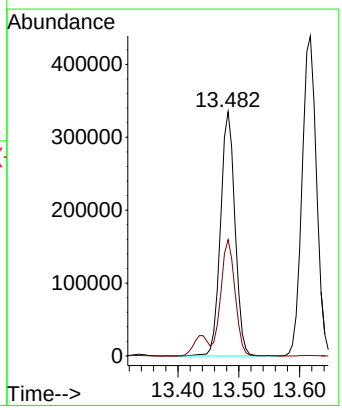


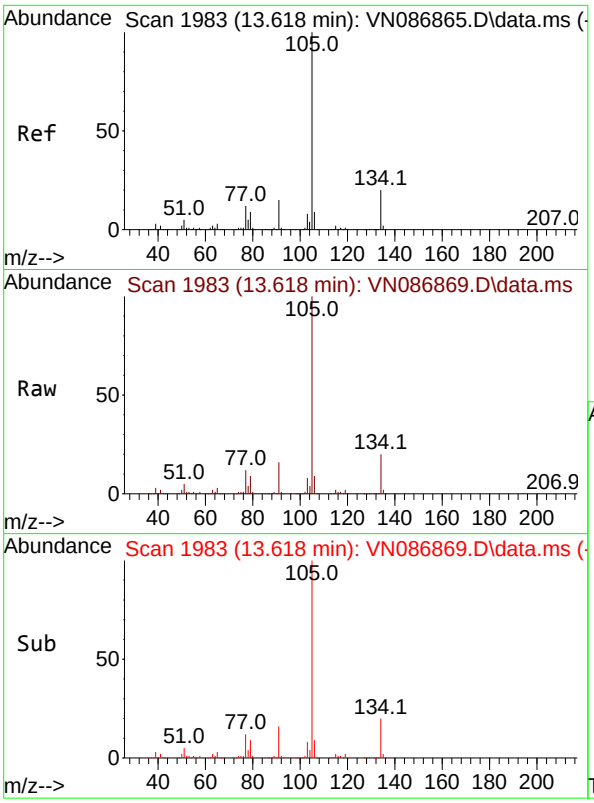


#84
1,2,4-Trimethylbenzene
Concen: 53.024 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 552333

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6



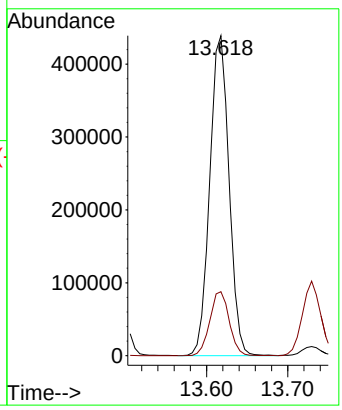


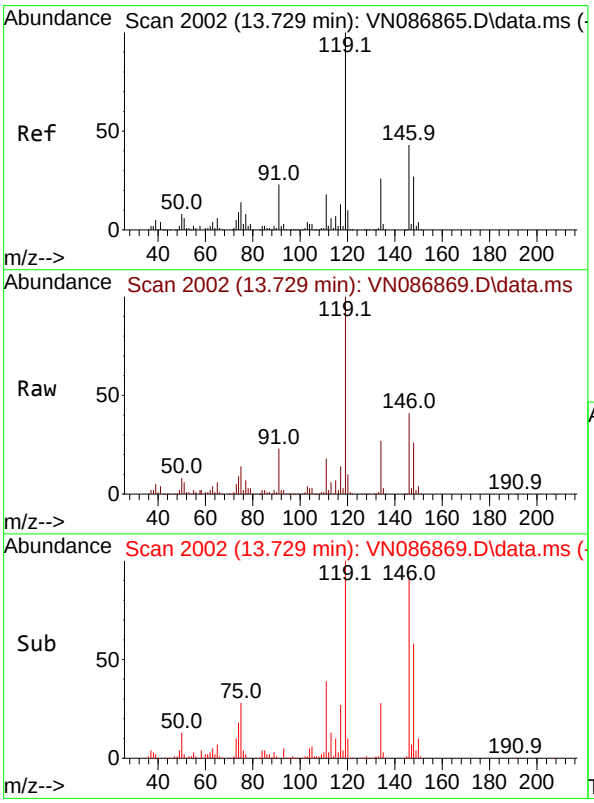
#85
sec-Butylbenzene
Concen: 52.428 ug/l
RT: 13.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:105 Resp: 723986

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

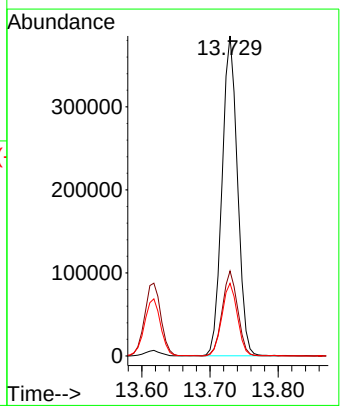


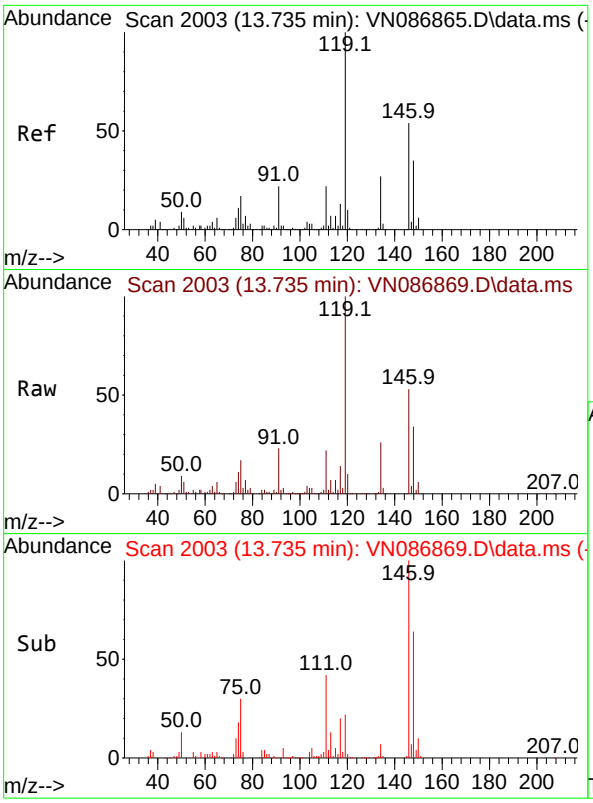


#86
p-Isopropyltoluene
Concen: 53.174 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 606979

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.7	11.5	34.4



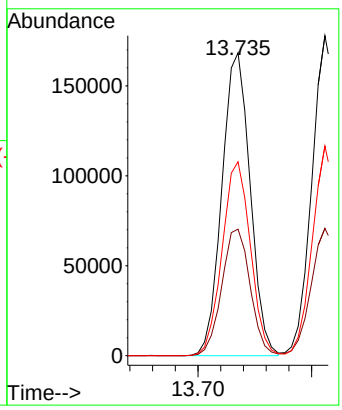


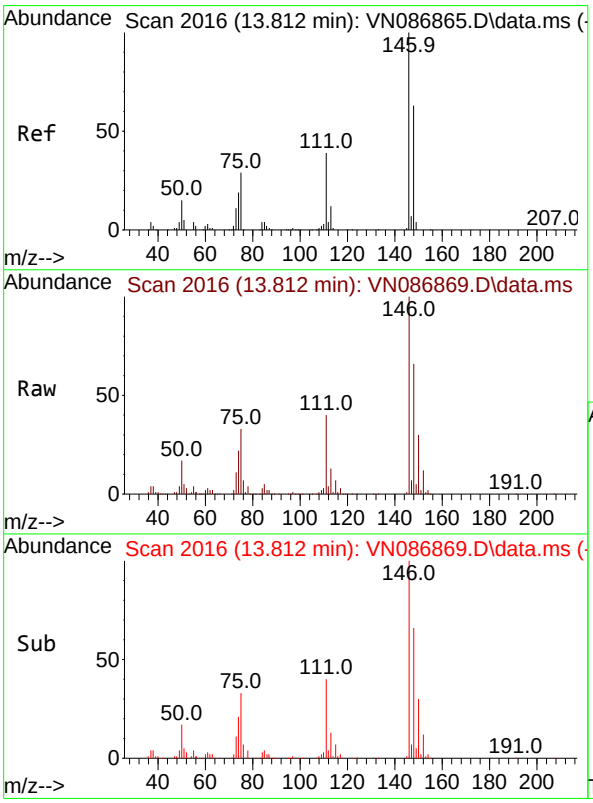
#87
1,3-Dichlorobenzene
Concen: 51.224 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:146 Resp: 290810

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.3	32.0	96.2

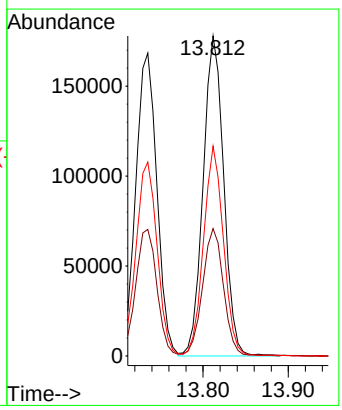


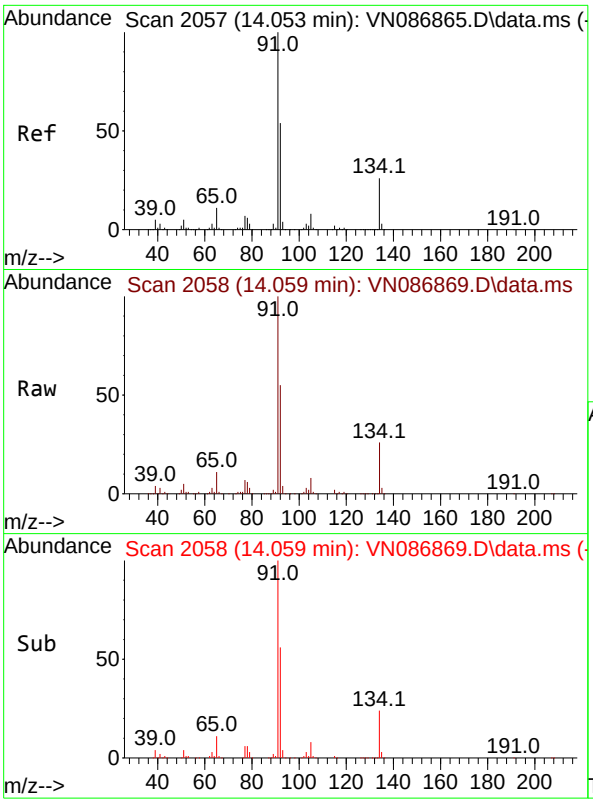


#88
1,4-Dichlorobenzene
Concen: 51.557 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 298412

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	63.3	31.8	95.4



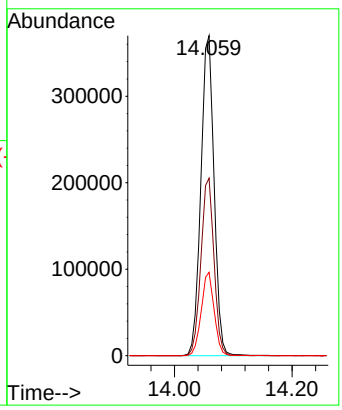


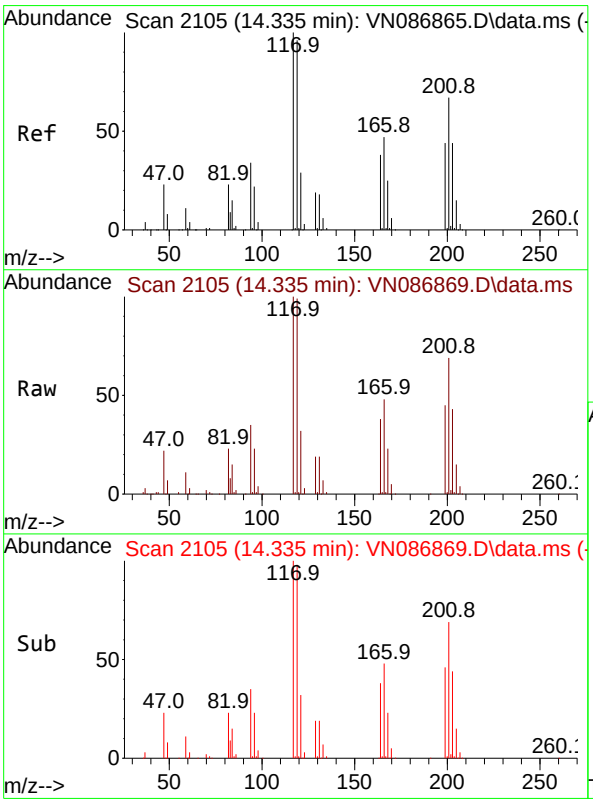
#89
n-Butylbenzene
Concen: 52.424 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 579636

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.4
134	25.5	13.0	39.0

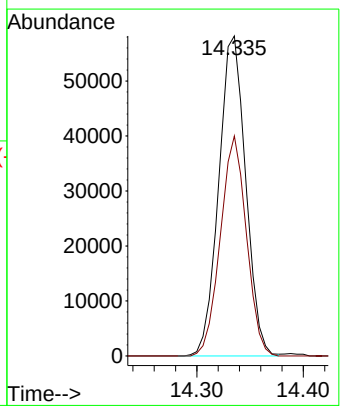


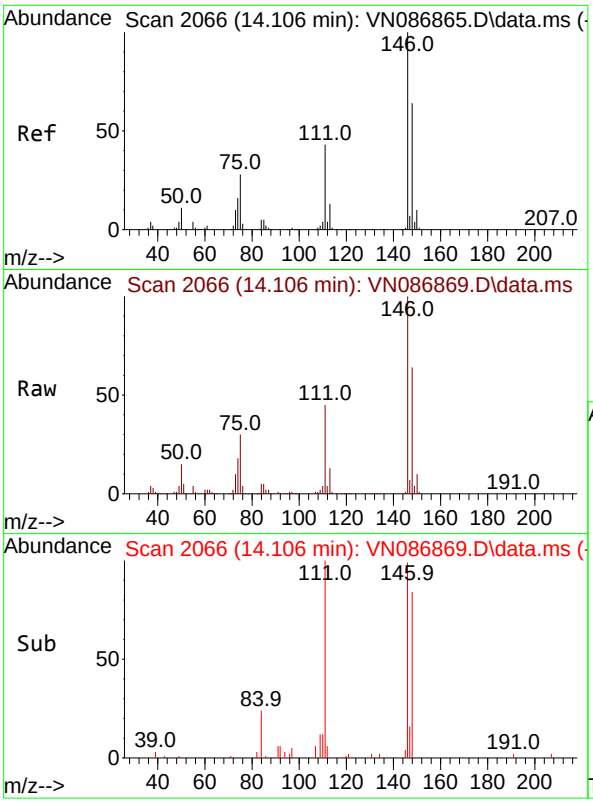


#90
Hexachloroethane
Concen: 52.847 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 102254

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6



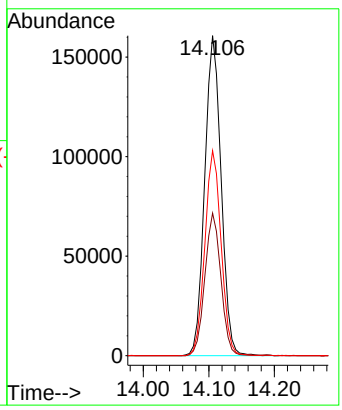


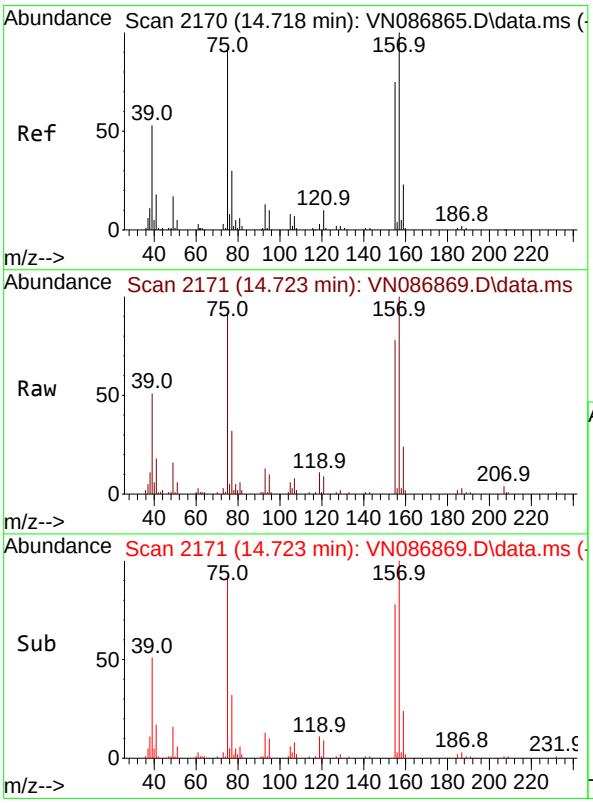
#91
1,2-Dichlorobenzene
Concen: 51.340 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:146 Resp: 280025

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.4	31.7	95.1

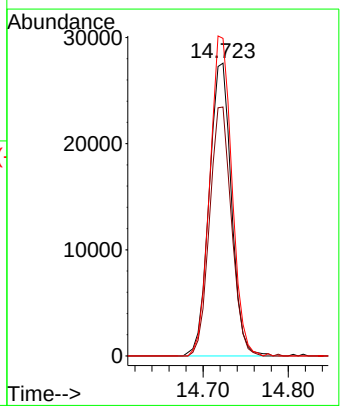


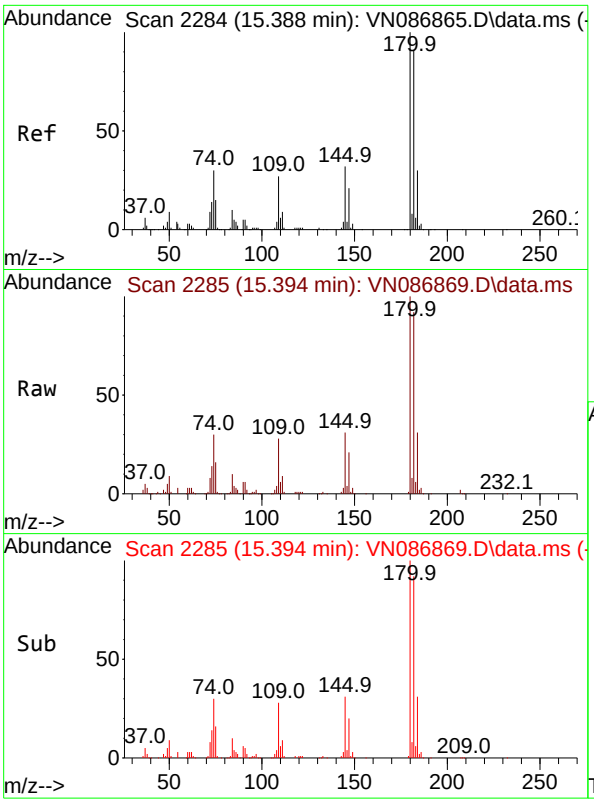


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.161 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 50115

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.4
157	108.6	52.7	158.1



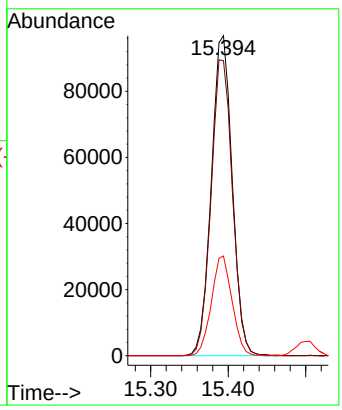


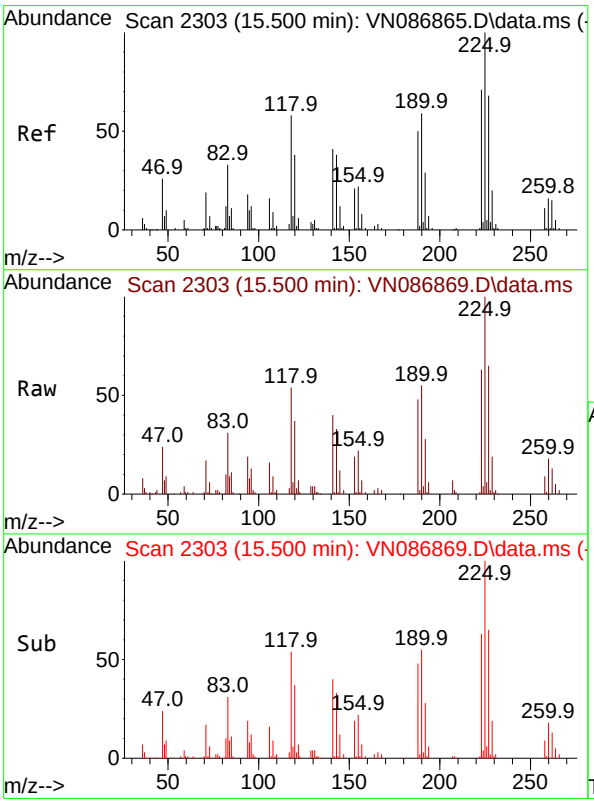
#93
1,2,4-Trichlorobenzene
Concen: 51.986 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:180 Resp: 181064

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	30.8	16.0	47.9

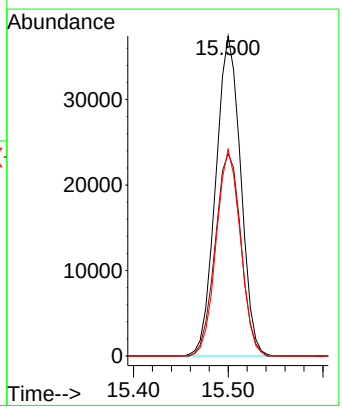


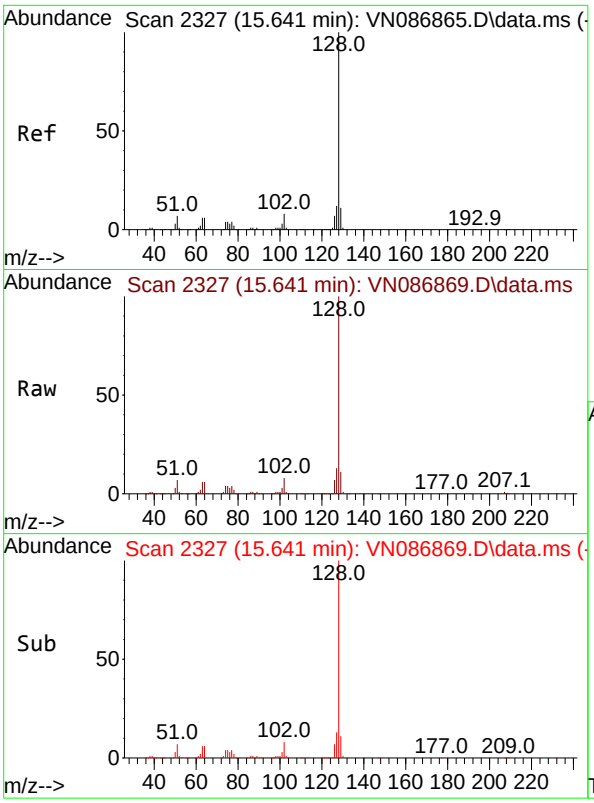


#94
Hexachlorobutadiene
Concen: 52.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:225 Resp: 68570

Ion	Ratio	Lower	Upper
225	100		
223	65.3	33.5	100.4
227	62.5	31.1	93.5



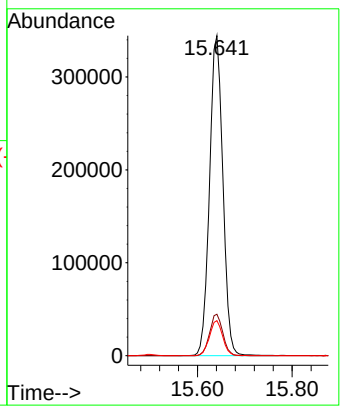


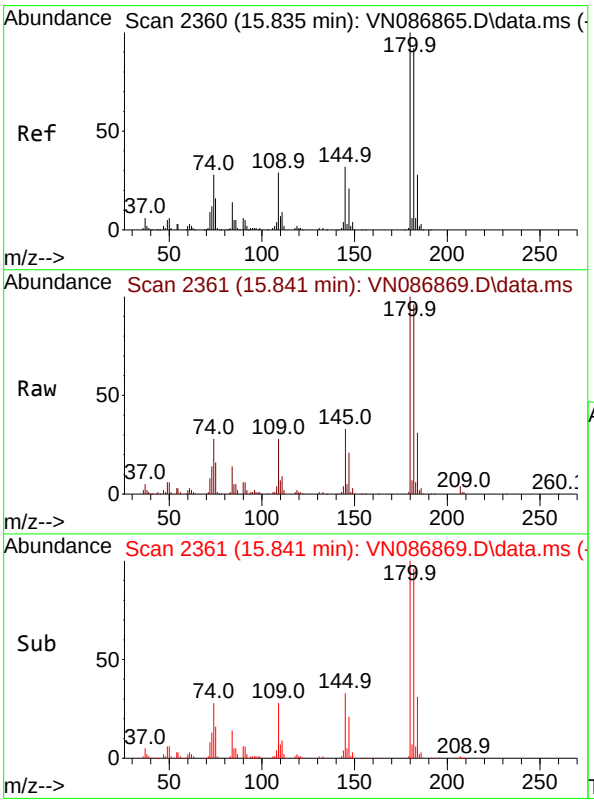
#95
Naphthalene
Concen: 52.005 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:128 Resp: 674187

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

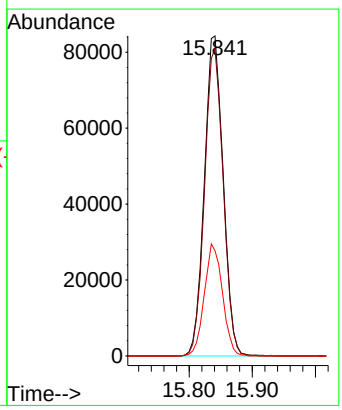




#96
1,2,3-Trichlorobenzene
Concen: 50.539 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 174888

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.8	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	261450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151401	43.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.500%		
35) Dibromofluoromethane	8.171	113	133059	49.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.400%		
50) Toluene-d8	10.565	98	508186	47.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.847	95	183178	46.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	131431	50.418	ug/l	100
3) Chloromethane	2.395	50	142334	42.283	ug/l	100
4) Vinyl Chloride	2.553	62	165927	47.784	ug/l	100
5) Bromomethane	2.995	94	85311	43.902	ug/l	97
6) Chloroethane	3.153	64	108042	48.168	ug/l	97
7) Trichlorofluoromethane	3.530	101	219379	48.355	ug/l	98
8) Diethyl Ether	3.983	74	100884	51.036	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	136423	47.861	ug/l	98
10) Methyl Iodide	4.612	142	158675	42.943	ug/l	99
11) Tert butyl alcohol	5.536	59	189595	199.609	ug/l	100
12) 1,1-Dichloroethene	4.365	96	145286	49.926	ug/l	93
13) Acrolein	4.200	56	58499	194.571	ug/l	99
14) Allyl chloride	5.047	41	208266	43.154	ug/l	94
15) Acrylonitrile	5.730	53	500417	225.403	ug/l	99
16) Acetone	4.442	43	400746	215.878	ug/l	97
17) Carbon Disulfide	4.736	76	371521	46.155	ug/l	100
18) Methyl Acetate	5.041	43	233967	43.249	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	517229	49.089	ug/l	100
20) Methylene Chloride	5.300	84	161828	46.563	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	152734	47.175	ug/l	94
22) Diisopropyl ether	6.683	45	463864	45.597	ug/l	96
23) Vinyl Acetate	6.618	43	1964382	228.547	ug/l	97
24) 1,1-Dichloroethane	6.588	63	275601	47.076	ug/l	99
25) 2-Butanone	7.488	43	622664	206.354	ug/l	96
26) 2,2-Dichloropropane	7.500	77	242583	53.268	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	188349	48.643	ug/l	97
28) Bromochloromethane	7.824	49	118085	41.024	ug/l	89
29) Tetrahydrofuran	7.847	42	407833	207.479	ug/l	94
30) Chloroform	7.977	83	275806	47.175	ug/l	97
31) Cyclohexane	8.265	56	231271	40.735	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	228902	46.033	ug/l	96
36) 1,1-Dichloropropene	8.377	75	196210	49.186	ug/l	98
37) Ethyl Acetate	7.571	43	233388	45.959	ug/l	99
38) Carbon Tetrachloride	8.371	117	194527	49.670	ug/l	99
39) Methylcyclohexane	9.606	83	243701	44.591	ug/l	95
40) Benzene	8.612	78	642732	49.272	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	127571	44.731 ug/l	93
42) 1,2-Dichloroethane	8.677	62	189921	48.002 ug/l	98
43) Isopropyl Acetate	8.694	43	373849	45.868 ug/l	96
44) Trichloroethene	9.353	130	159166	51.458 ug/l	98
45) 1,2-Dichloropropane	9.624	63	156517	49.319 ug/l	99
46) Dibromomethane	9.712	93	109794	52.086 ug/l	96
47) Bromodichloromethane	9.888	83	216561	49.933 ug/l	99
48) Methyl methacrylate	9.682	41	170025	45.323 ug/l	95
49) 1,4-Dioxane	9.700	88	61836	906.076 ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1145420	233.442 ug/l	96
52) Toluene	10.629	92	396562	49.745 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	252866	52.141 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	269095	51.859 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	153943	50.186 ug/l	99
56) Ethyl methacrylate	10.876	69	265661	54.375 ug/l	92
57) 1,3-Dichloropropane	11.165	76	265229	49.844 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	673133	230.994 ug/l	96
59) 2-Hexanone	11.200	43	772443	244.401 ug/l	96
60) Dibromochloromethane	11.359	129	169362	52.993 ug/l	99
61) 1,2-Dibromoethane	11.470	107	160398	51.016 ug/l	100
64) Tetrachloroethene	11.106	164	121144	50.252 ug/l	95
65) Chlorobenzene	11.888	112	434126	51.673 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142266	52.679 ug/l	99
67) Ethyl Benzene	11.965	91	716652	49.523 ug/l	100
68) m/p-Xylenes	12.070	106	565069	102.006 ug/l	97
69) o-Xylene	12.394	106	274597	51.757 ug/l	96
70) Styrene	12.412	104	475772	52.406 ug/l	99
71) Bromoform	12.576	173	114286	57.115 ug/l #	99
73) Isopropylbenzene	12.694	105	664595	51.104 ug/l	99
74) N-amyl acetate	12.506	43	251426	55.326 ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	234561	53.240 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	318445	75.047 ug/l	69
77) Bromobenzene	12.982	156	168142	56.377 ug/l	94
78) n-propylbenzene	13.035	91	787597	49.835 ug/l	98
79) 2-Chlorotoluene	13.123	91	476012	50.223 ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	544603	50.722 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	106090	57.553 ug/l	89
82) 4-Chlorotoluene	13.217	91	488581	50.946 ug/l	98
83) tert-Butylbenzene	13.435	119	499574	50.830 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	553058	51.368 ug/l	100
85) sec-Butylbenzene	13.612	105	691815	48.470 ug/l	99
86) p-Isopropyltoluene	13.729	119	588262	49.859 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	306195	52.181 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	313266	52.364 ug/l	99
89) n-Butylbenzene	14.053	91	525720	46.003 ug/l	98
90) Hexachloroethane	14.329	117	98638	49.322 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	294253	52.195 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49360	46.847 ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	175725	48.814 ug/l	99
94) Hexachlorobutadiene	15.500	225	57205	42.652 ug/l	98
95) Naphthalene	15.635	128	668022	49.854 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	167447	46.816 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

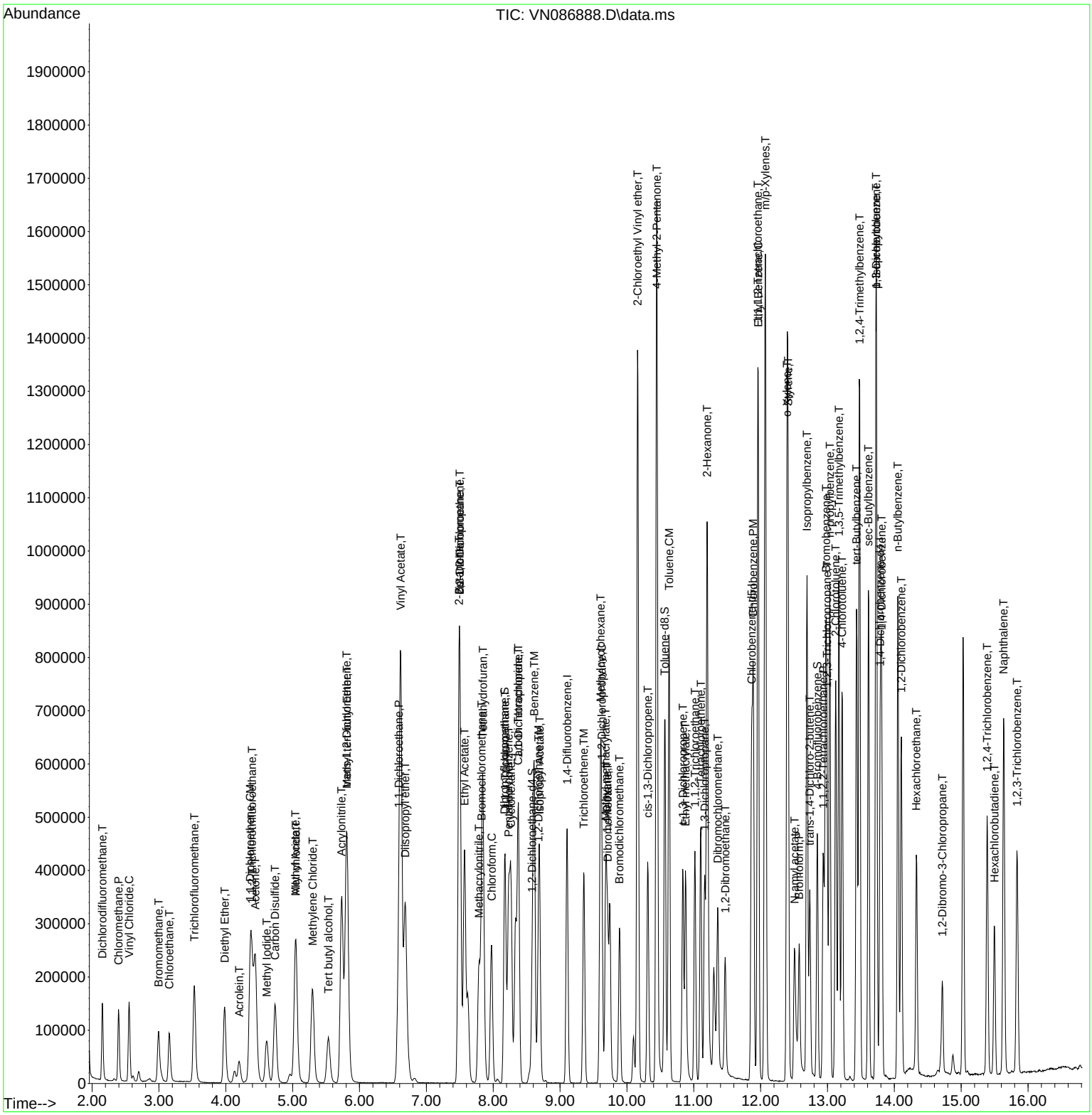
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

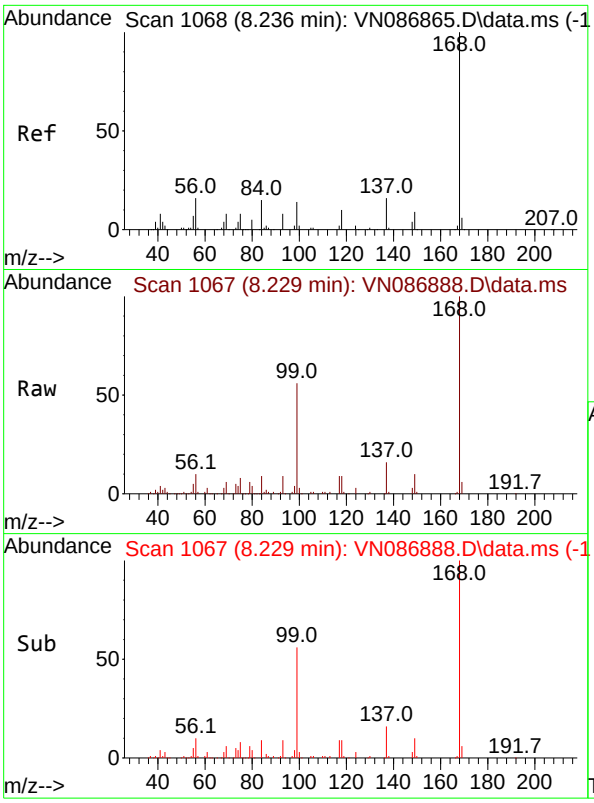
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



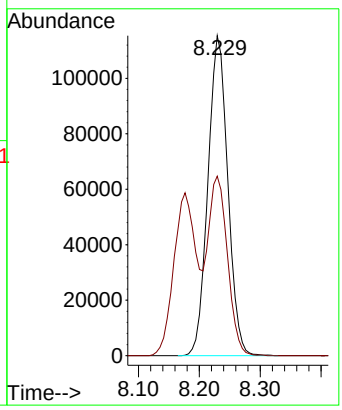


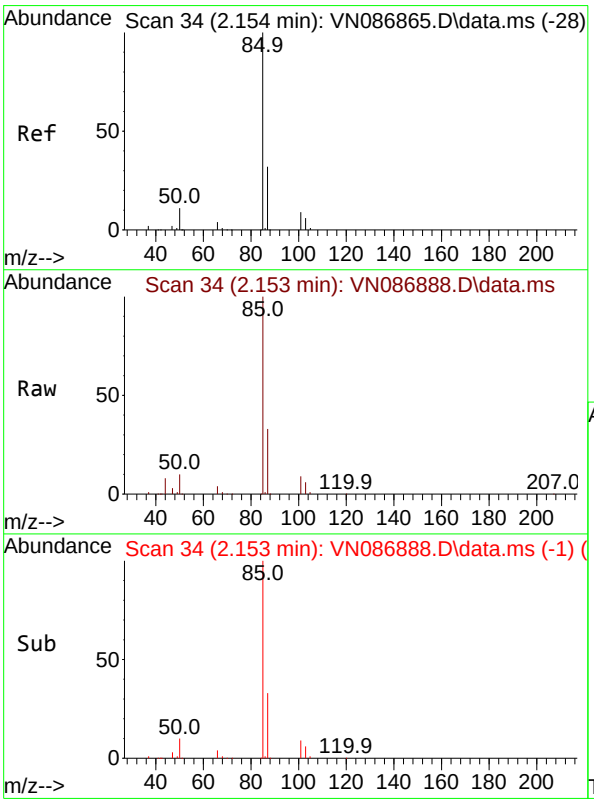
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 261450

Ion	Ratio	Lower	Upper
168	100		
99	56.1	49.1	73.7

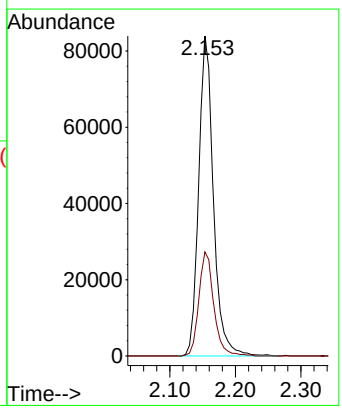


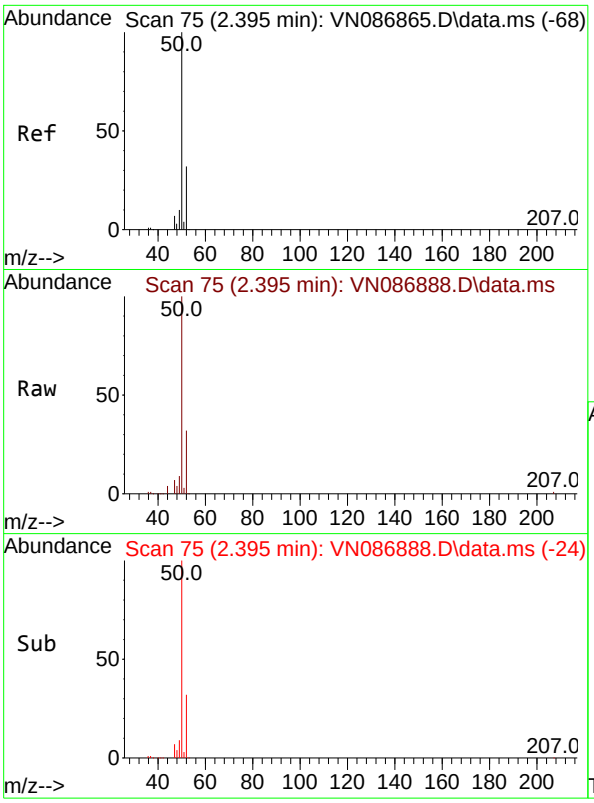


#2
Dichlorodifluoromethane
Concen: 50.418 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 85 Resp: 131431

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6



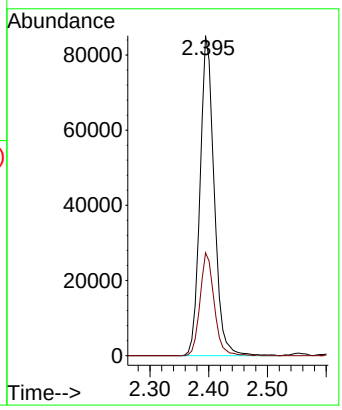


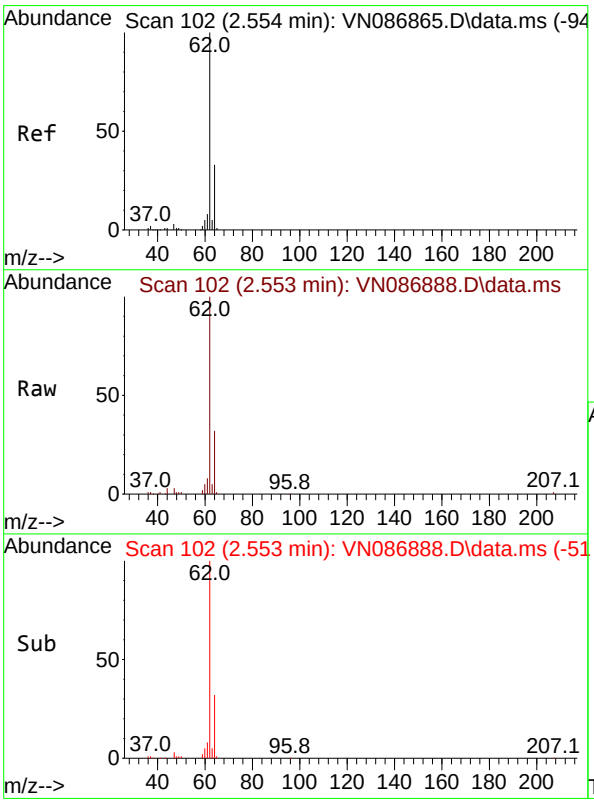
#3
Chloromethane
Concen: 42.283 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 142334

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

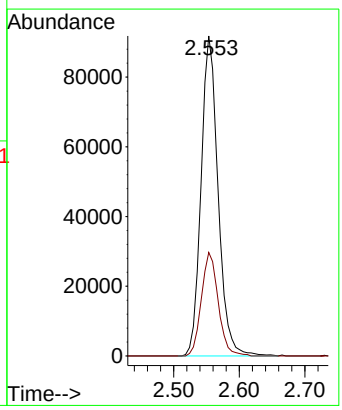


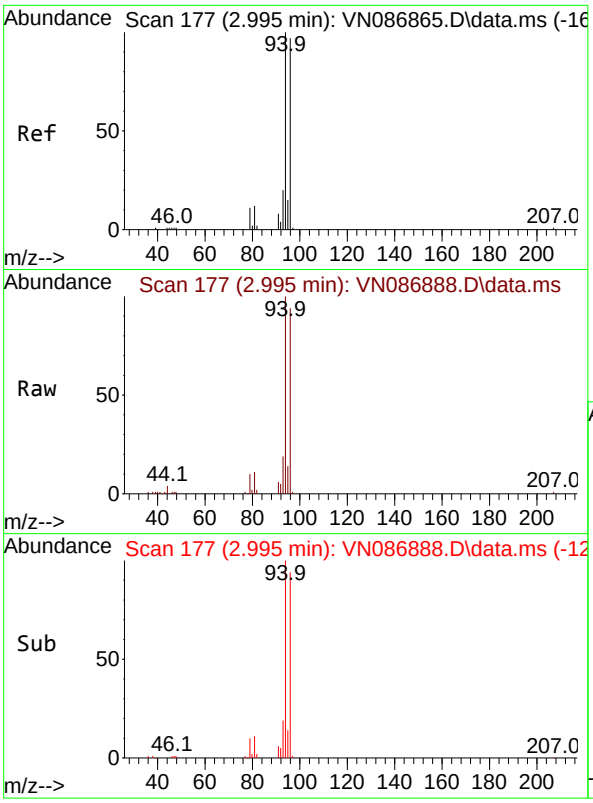


#4
Vinyl Chloride
Concen: 47.784 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 62 Resp: 165927

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.0	39.0



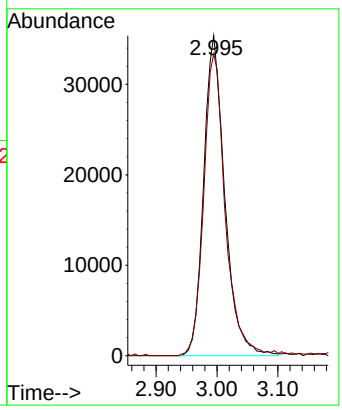


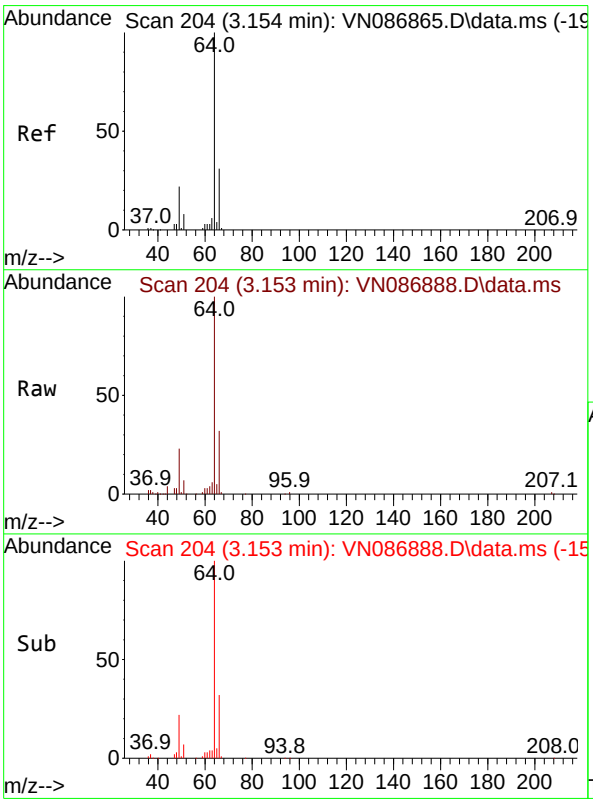
#5
Bromomethane
Concen: 43.902 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 85311

Ion	Ratio	Lower	Upper
94	100		
96	94.3	77.9	116.9

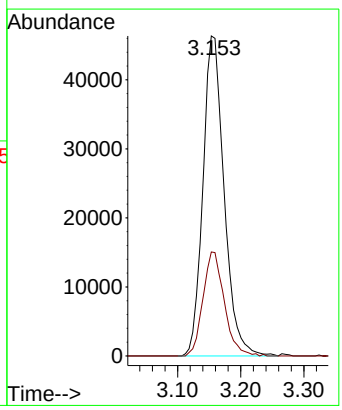


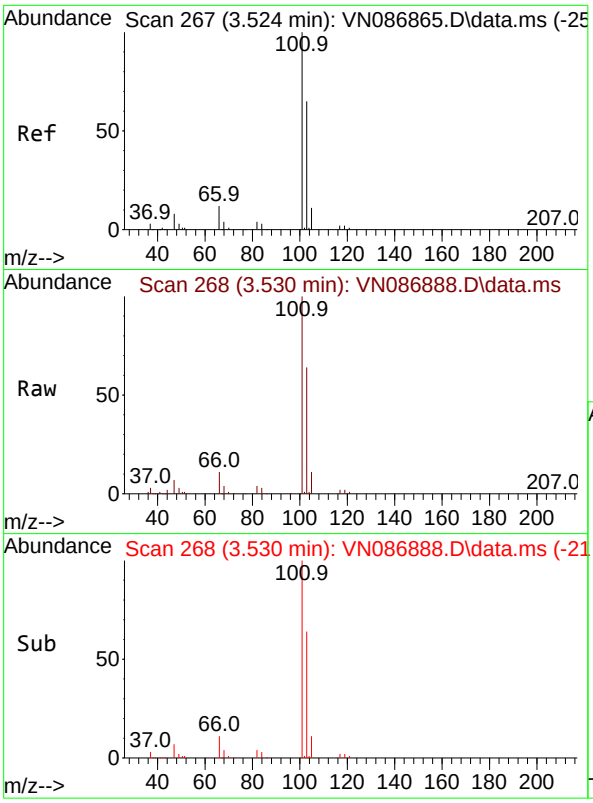


#6
Chloroethane
Concen: 48.168 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 64 Resp: 108042

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8



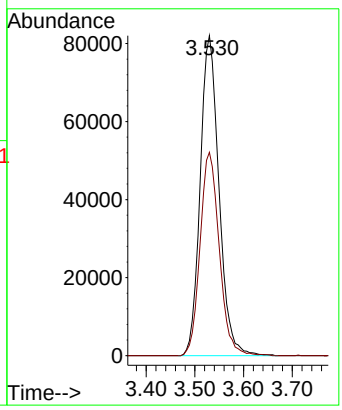


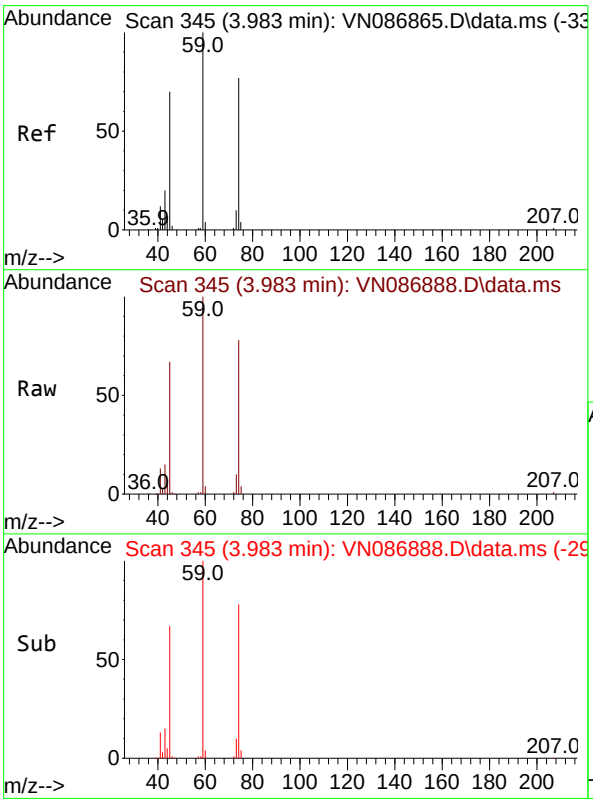
#7
Trichlorofluoromethane
Concen: 48.355 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 219379

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.2

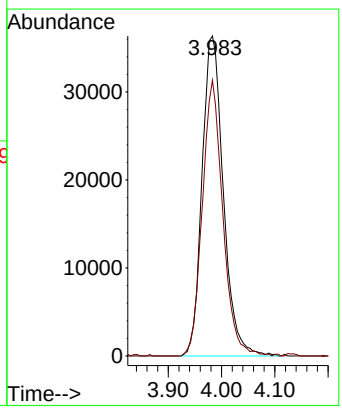


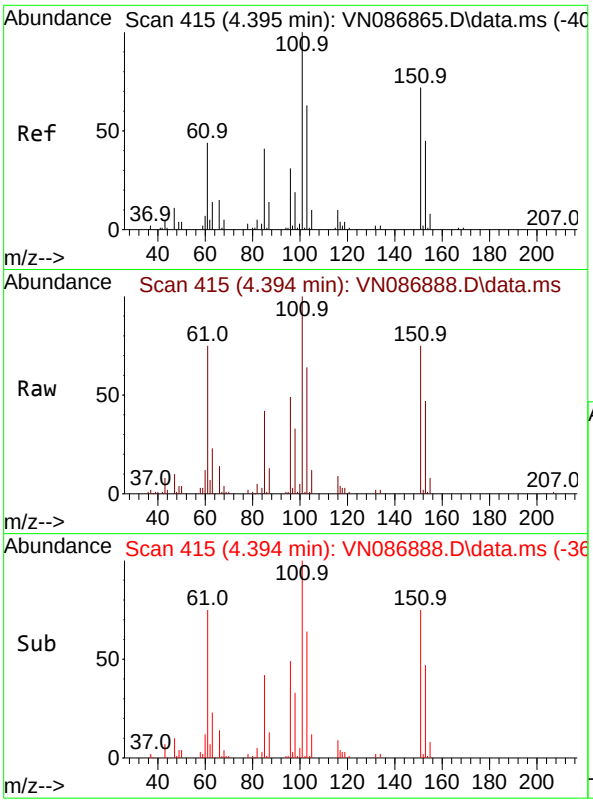


#8
Diethyl Ether
Concen: 51.036 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 74 Resp: 100884

Ion	Ratio	Lower	Upper
74	100		
45	83.0	45.5	136.5



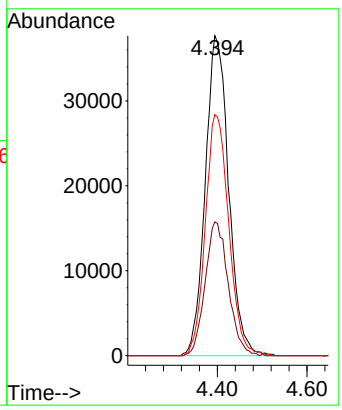


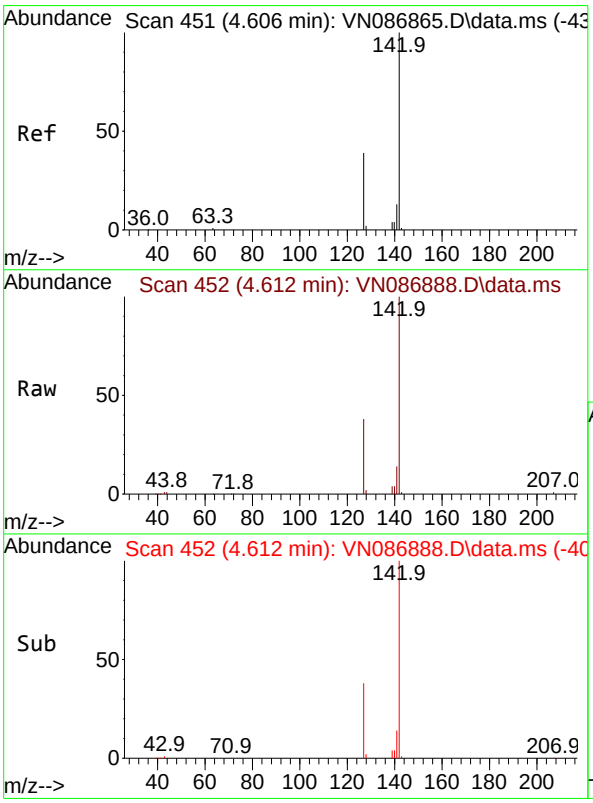
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.861 ug/l
RT: 4.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 136423

Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.8	50.8
151	75.5	58.7	88.1

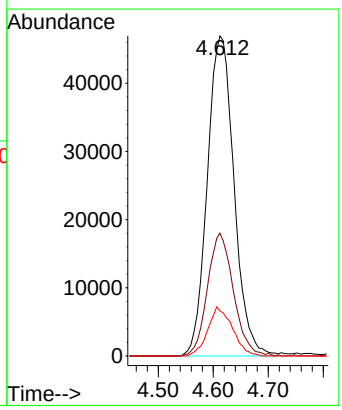


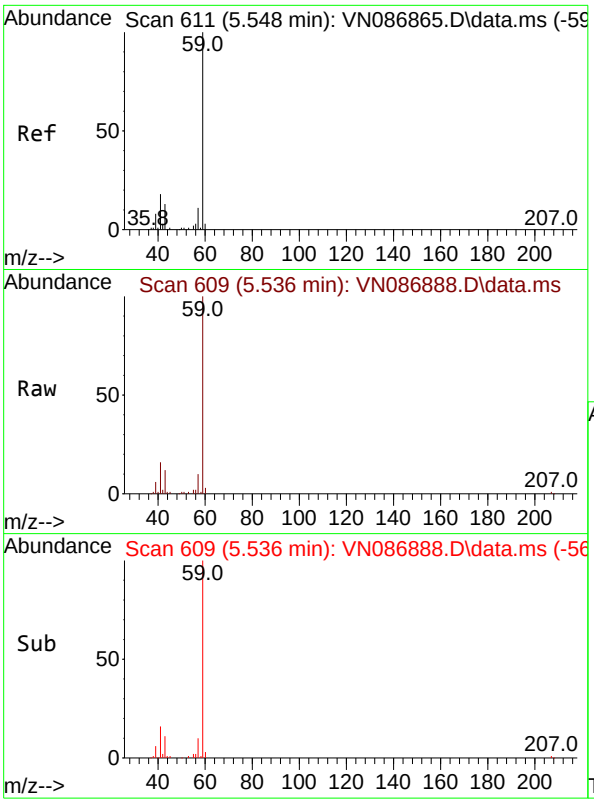


#10
Methyl Iodide
Concen: 42.943 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:142 Resp: 158675

Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.9	46.3
141	14.1	10.4	15.6



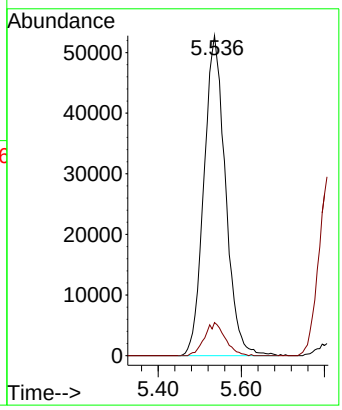


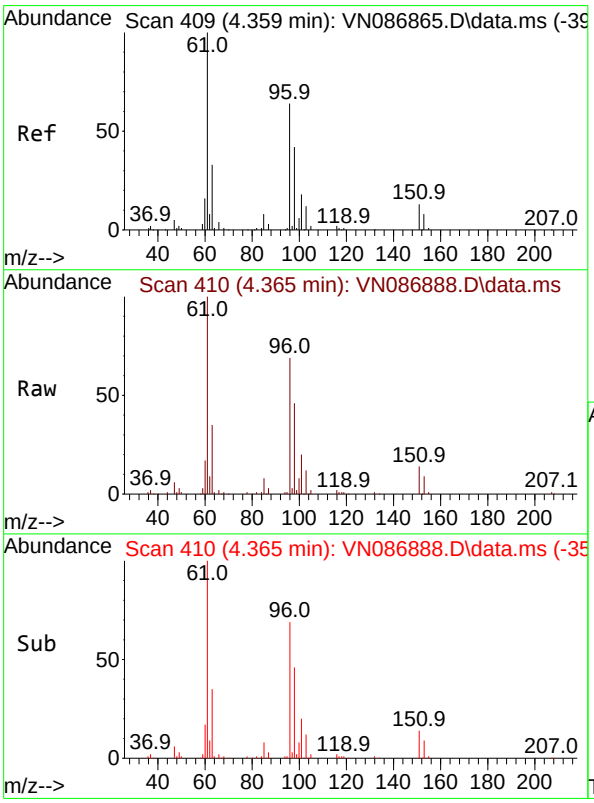
#11
Tert butyl alcohol
Concen: 199.609 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 189595

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

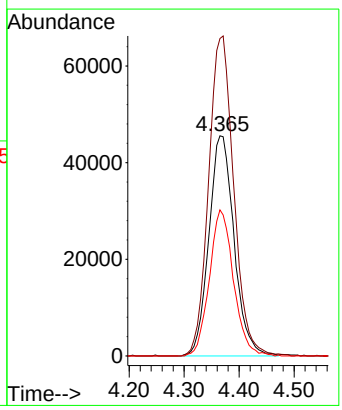


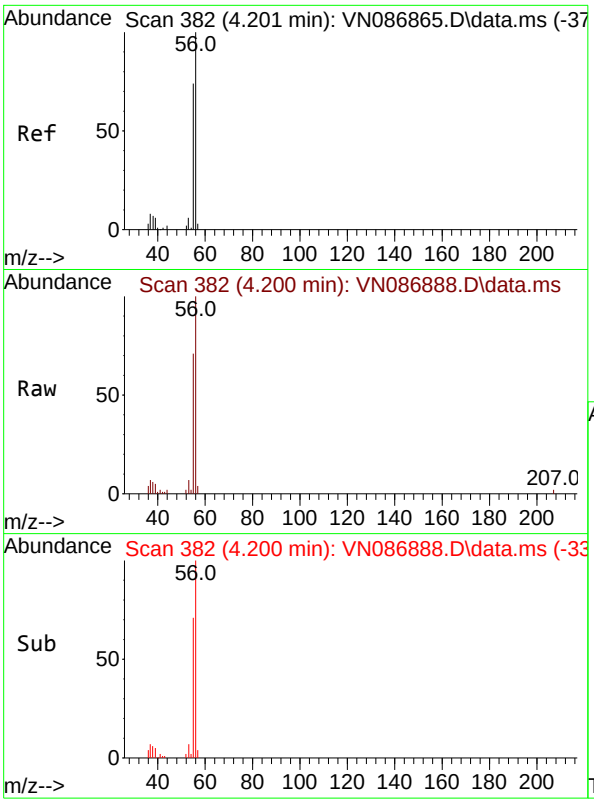


#12
1,1-Dichloroethene
Concen: 49.926 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 96 Resp: 145286

Ion	Ratio	Lower	Upper
96	100		
61	144.2	125.8	188.6
98	66.3	52.5	78.7



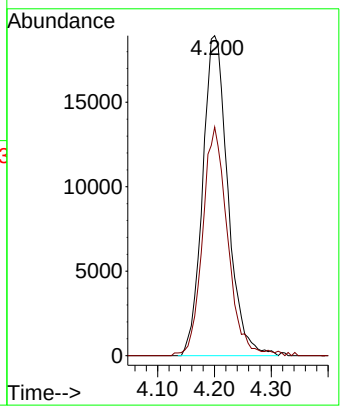


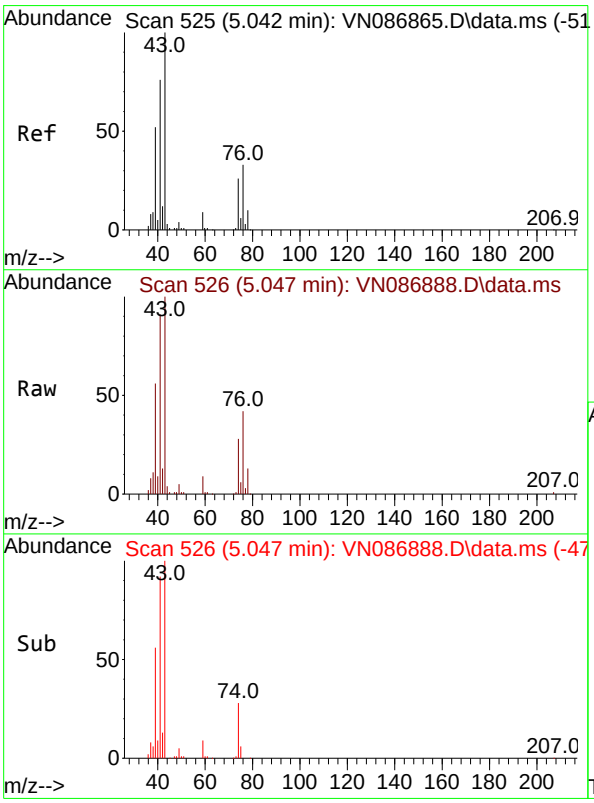
#13
Acrolein
Concen: 194.571 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 58499

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.6	83.4

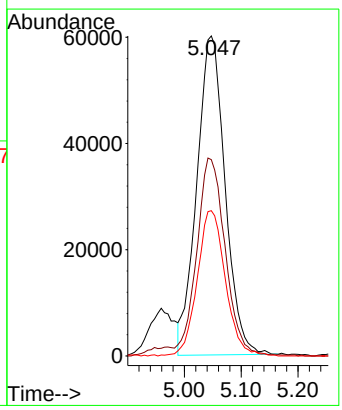


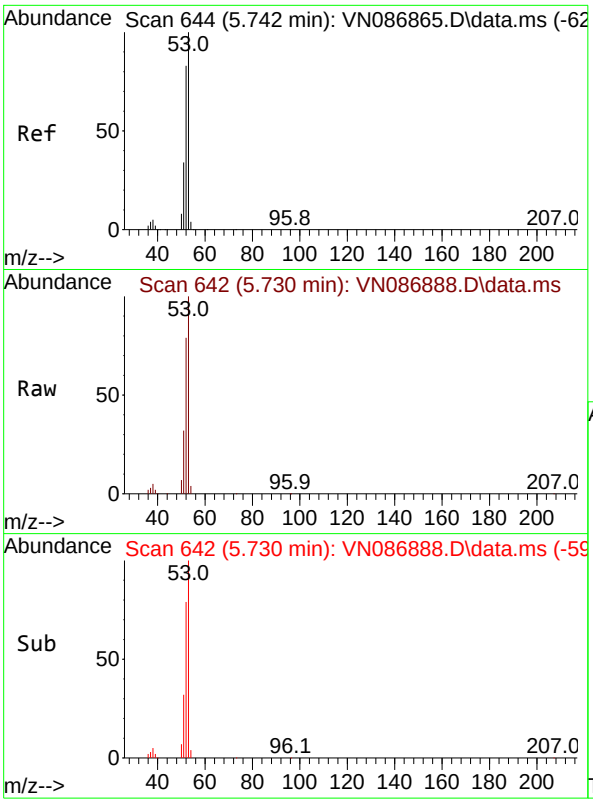


#14
Allyl chloride
Concen: 43.154 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 41 Resp: 208266

Ion	Ratio	Lower	Upper
41	100		
39	61.7	51.3	76.9
76	45.2	31.4	47.0



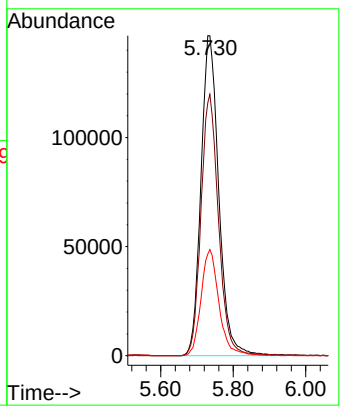


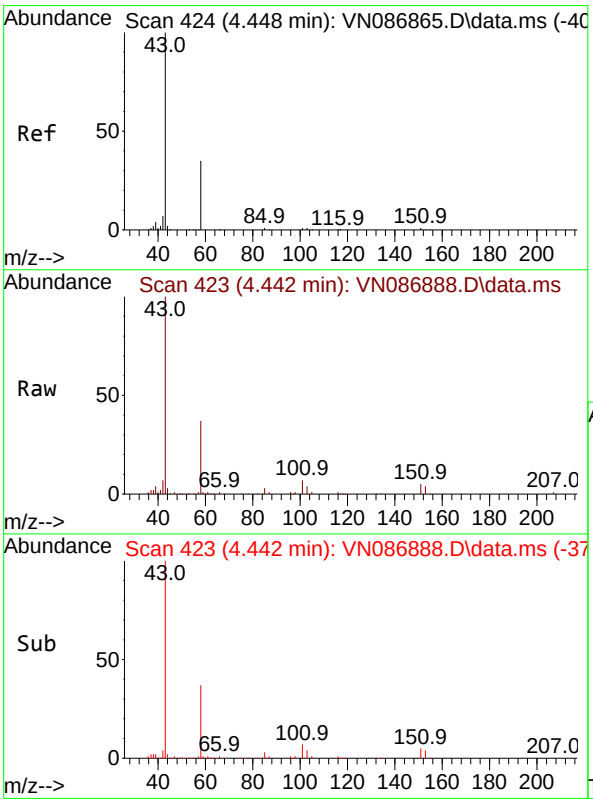
#15
Acrylonitrile
Concen: 225.403 ug/l
RT: 5.730 min Scan# 64
Delta R.T. -0.012 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 500417

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	33.3	27.2	40.8

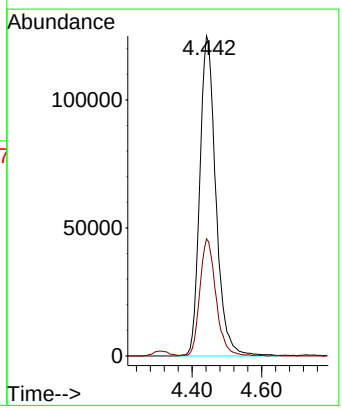


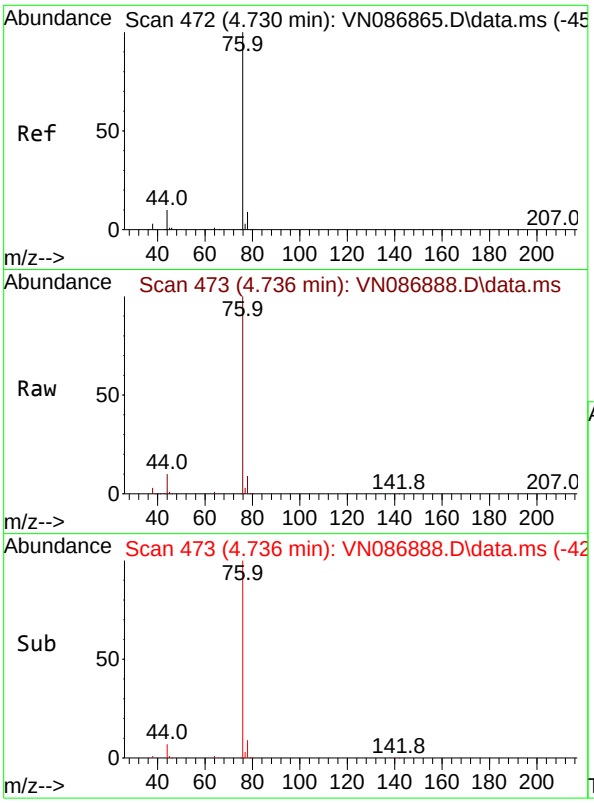


#16
Acetone
Concen: 215.878 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 400746

Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.0	42.0



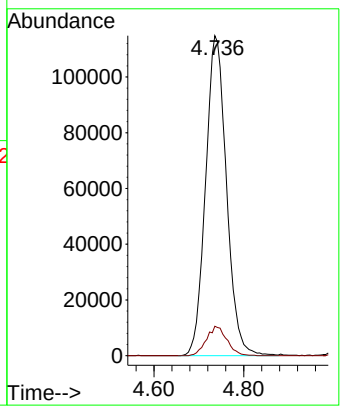


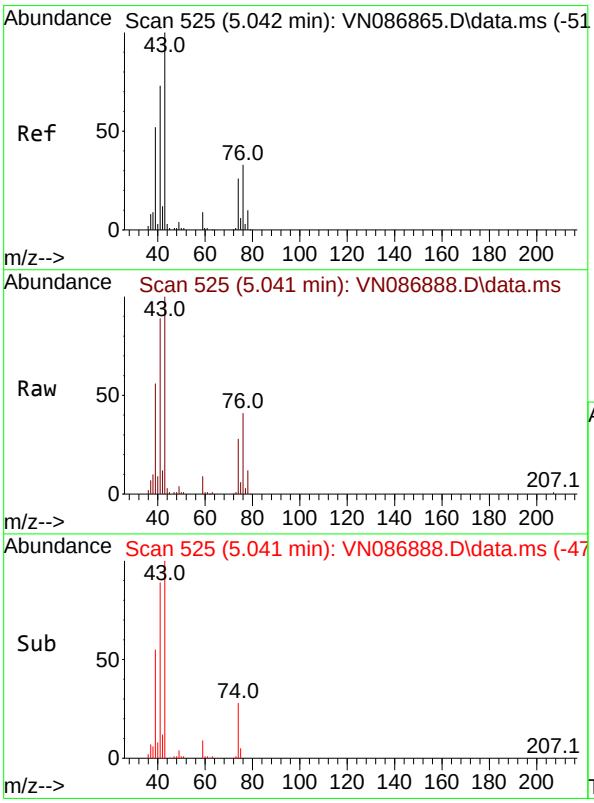
#17
Carbon Disulfide
Concen: 46.155 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 371521

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

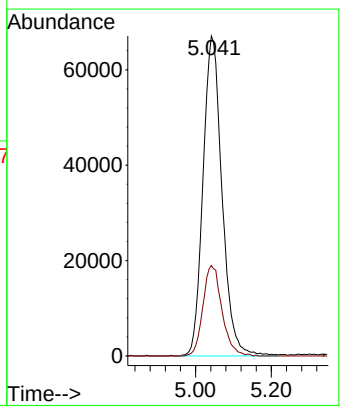


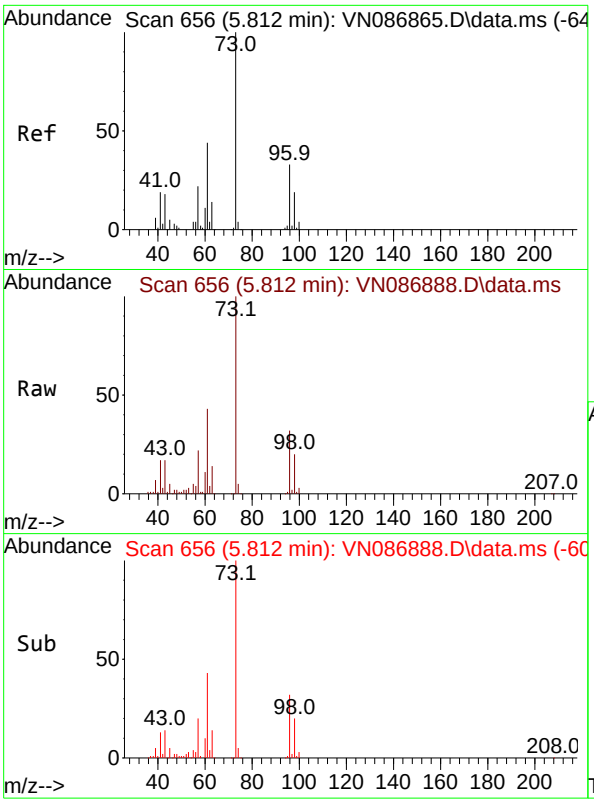


#18
Methyl Acetate
Concen: 43.249 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 233967

Ion	Ratio	Lower	Upper
43	100		
74	28.1	20.7	31.1



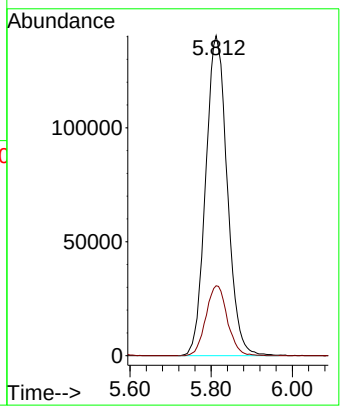


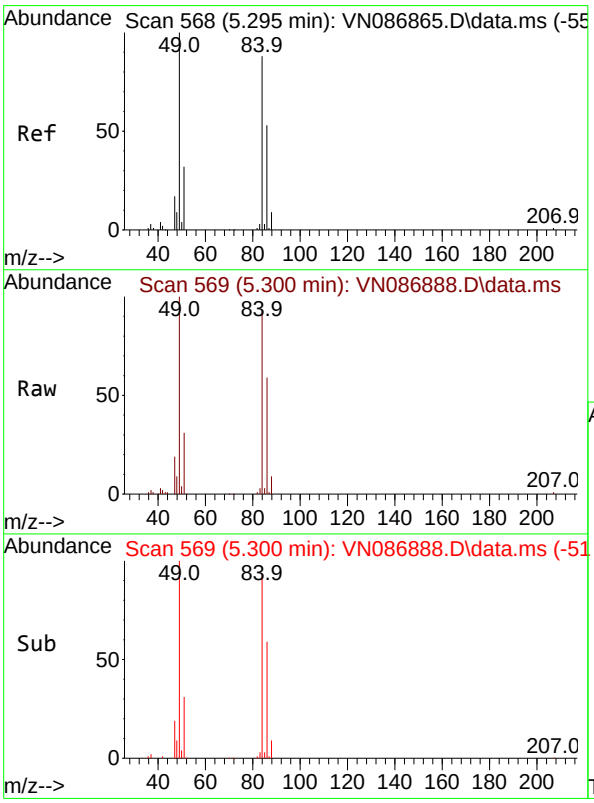
#19
Methyl tert-butyl Ether
Concen: 49.089 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 517229

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

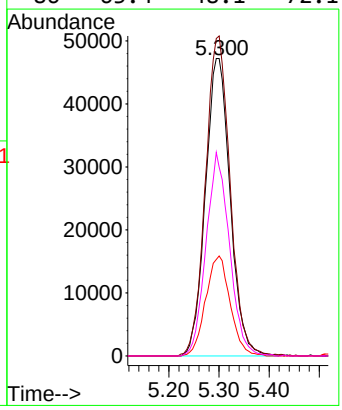


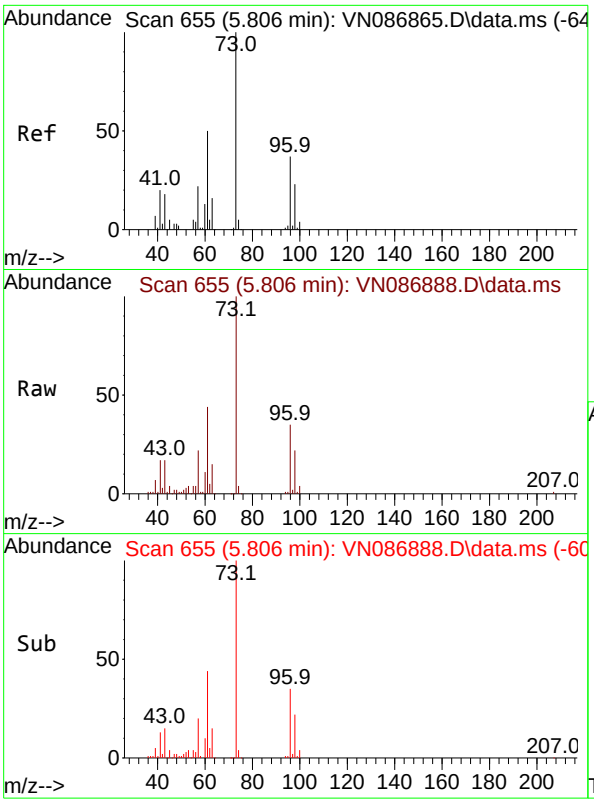


#20
Methylene Chloride
Concen: 46.563 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 84 Resp: 161828

Ion	Ratio	Lower	Upper
84	100		
49	107.6	90.5	135.7
51	33.6	28.5	42.7
86	63.4	48.1	72.1



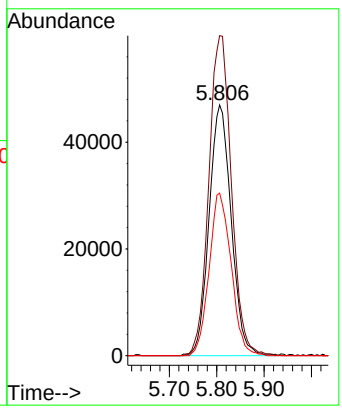


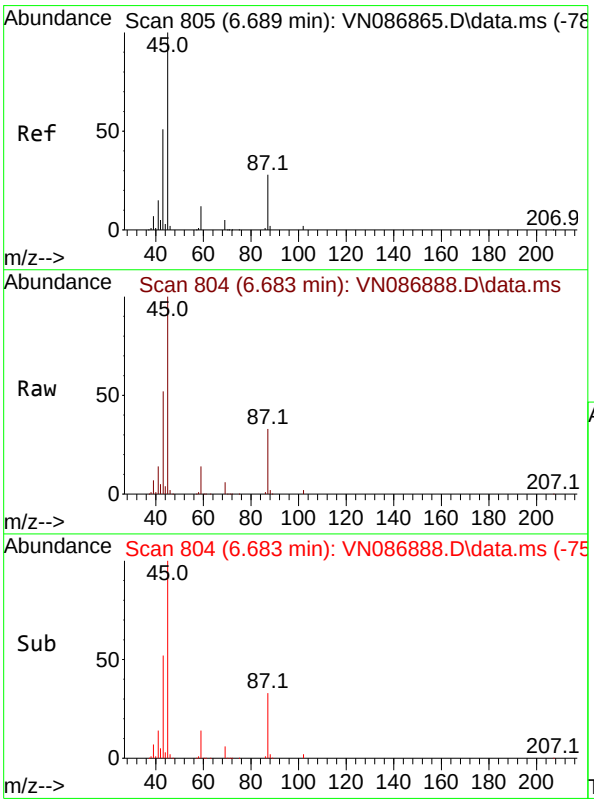
#21
trans-1,2-Dichloroethene
Concen: 47.175 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 152734

Ion	Ratio	Lower	Upper
96	100		
61	127.6	109.2	163.8
98	64.8	49.8	74.8

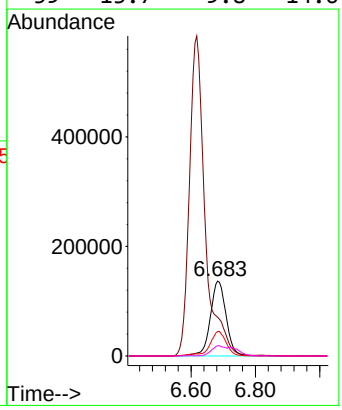


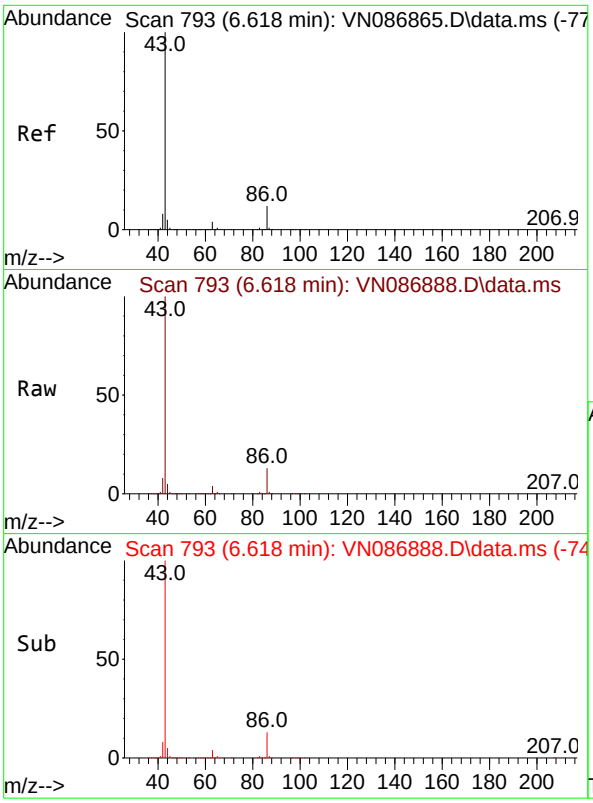


#22
Diisopropyl ether
Concen: 45.597 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 45 Resp: 463864

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	32.7	22.4	33.6
59	13.7	9.8	14.6



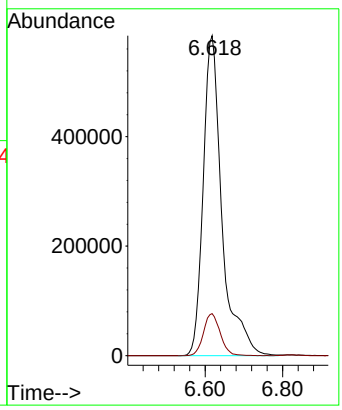


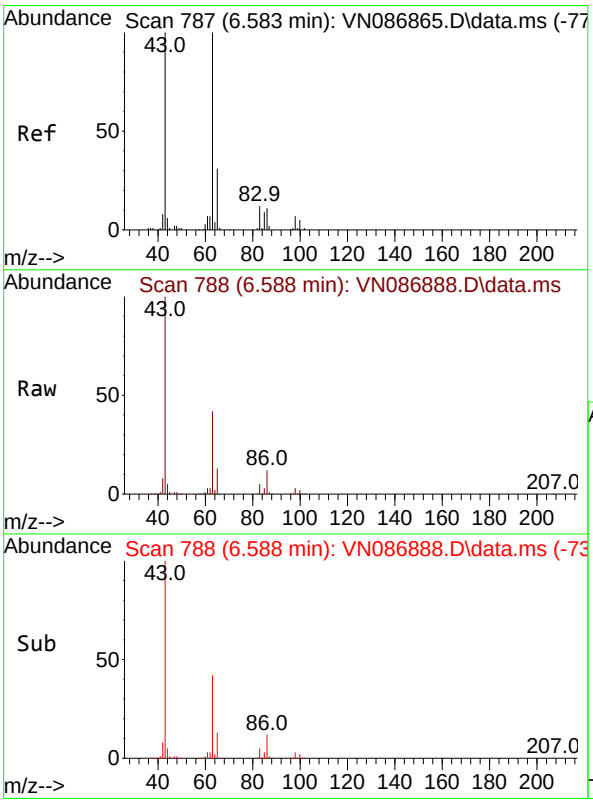
#23
Vinyl Acetate
Concen: 228.547 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1964382

Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.5	14.3

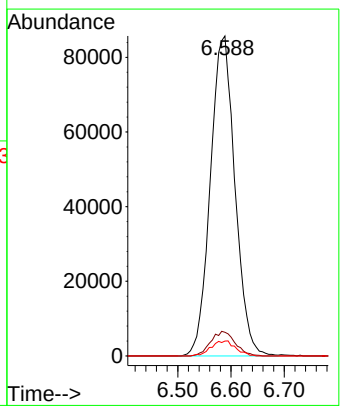


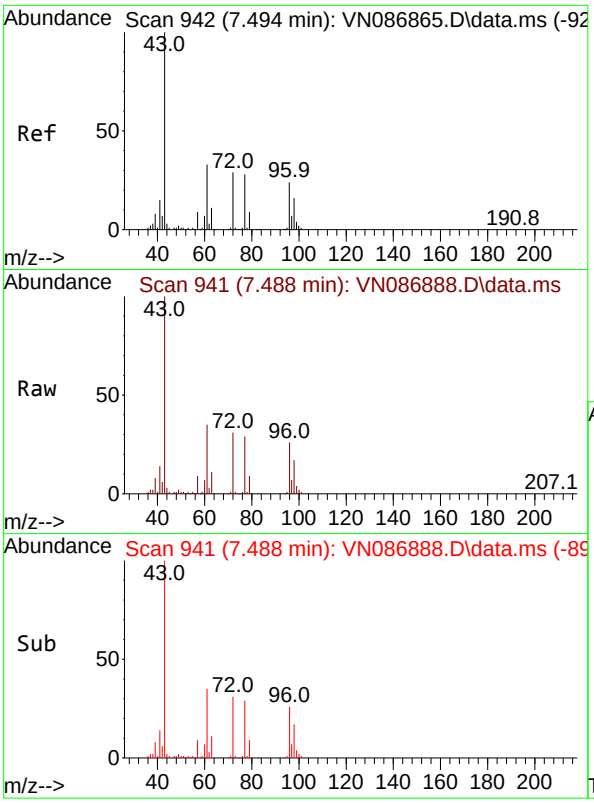


#24
1,1-Dichloroethane
Concen: 47.076 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 63 Resp: 275601

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.6	2.6	7.8



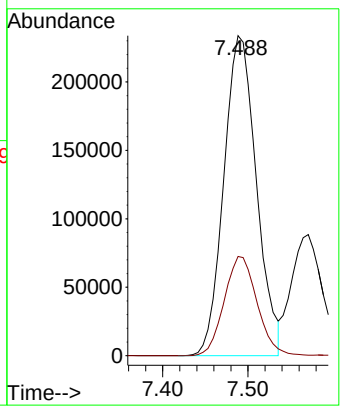


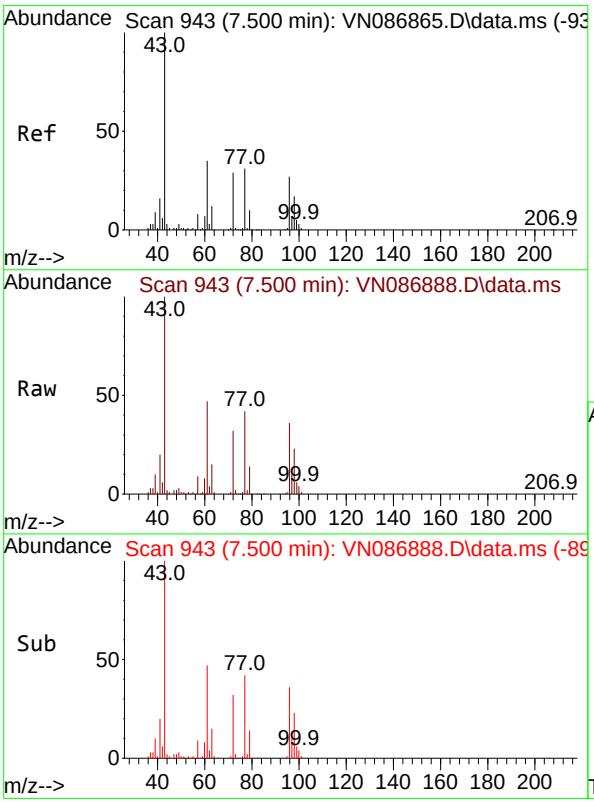
#25
2-Butanone
Concen: 206.354 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 622664

Ion	Ratio	Lower	Upper
43	100		
72	31.0	23.0	34.6

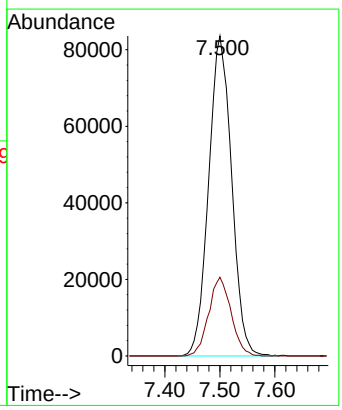


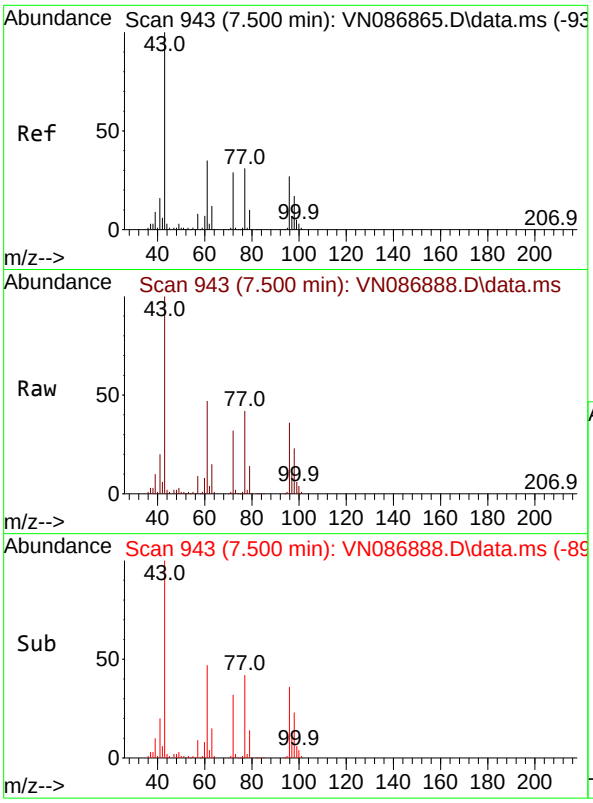


#26
2,2-Dichloropropane
Concen: 53.268 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 77 Resp: 242583

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.7



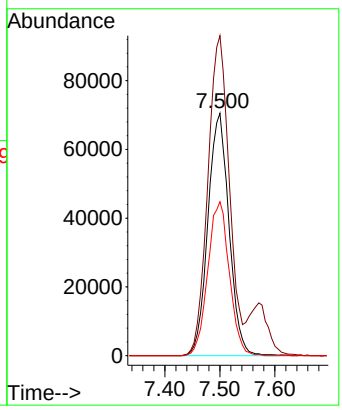


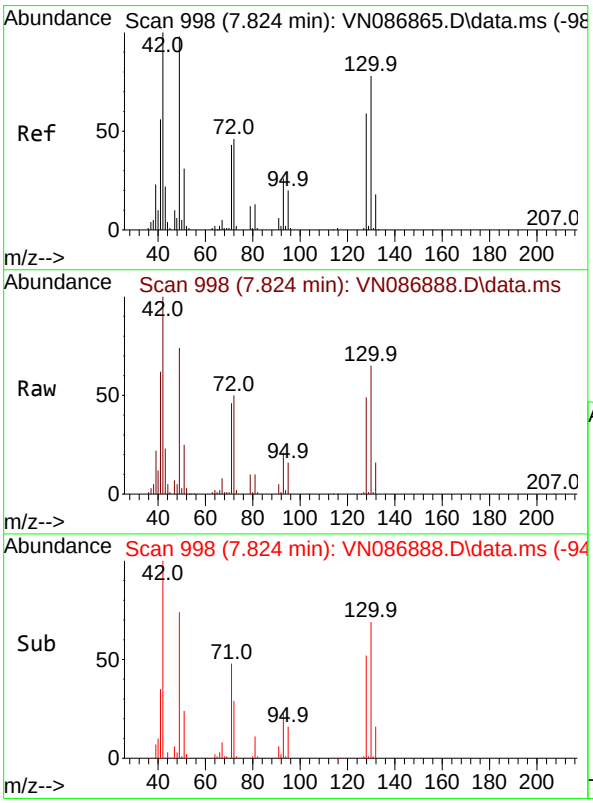
#27
cis-1,2-Dichloroethene
Concen: 48.643 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 188349

Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	278.0
98	64.7	0.0	128.2

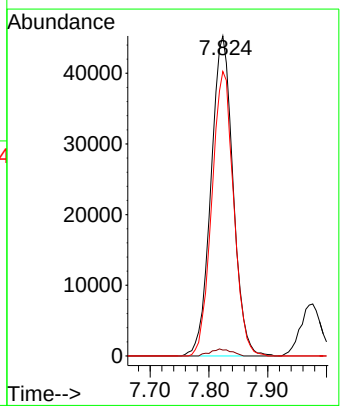


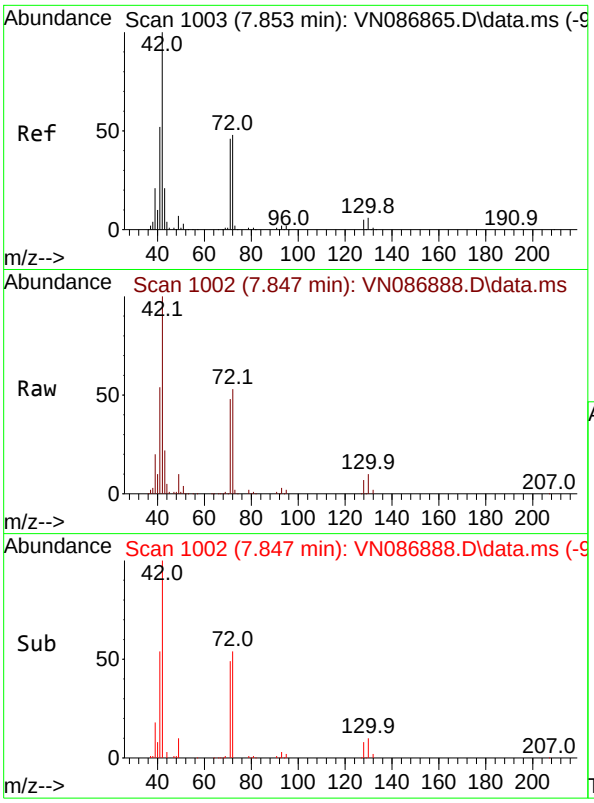


#28
Bromochloromethane
Concen: 41.024 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 49 Resp: 118085

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	87.9	62.2	93.2



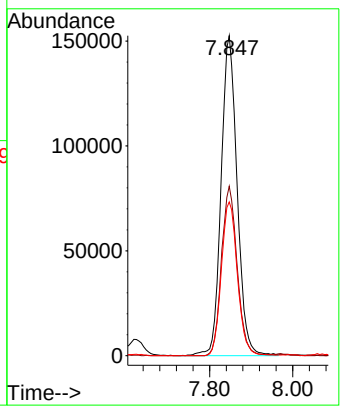


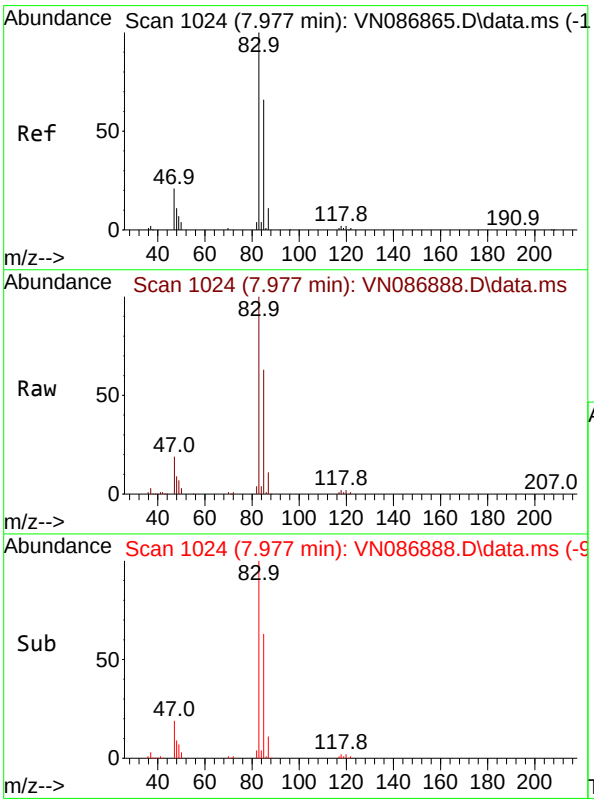
#29
Tetrahydrofuran
Concen: 207.479 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 407833

Ion	Ratio	Lower	Upper
42	100		
72	51.7	37.8	56.6
71	48.1	35.6	53.4

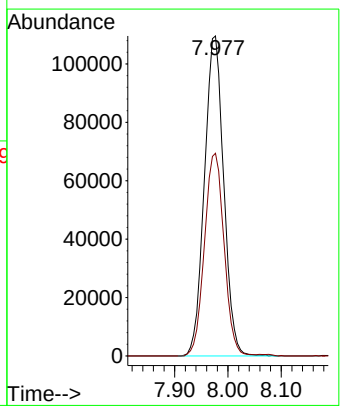


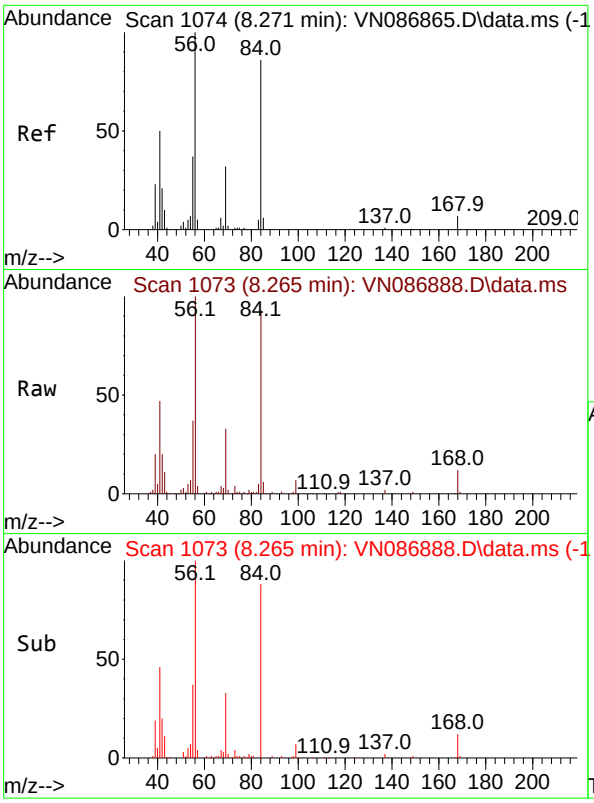


#30
Chloroform
Concen: 47.175 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 83 Resp: 275806

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.9	79.3



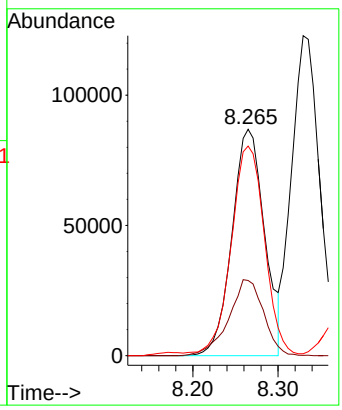


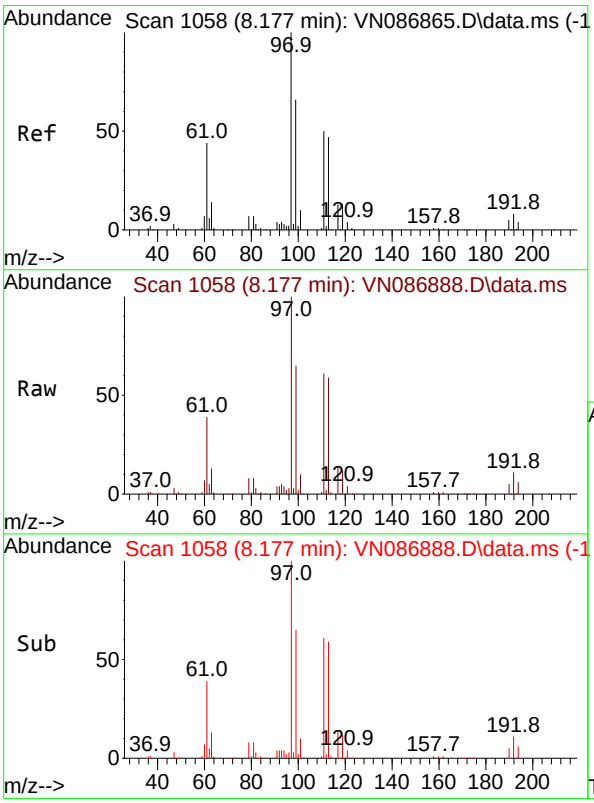
#31
Cyclohexane
Concen: 40.735 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 231271

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	91.2	68.8	103.2

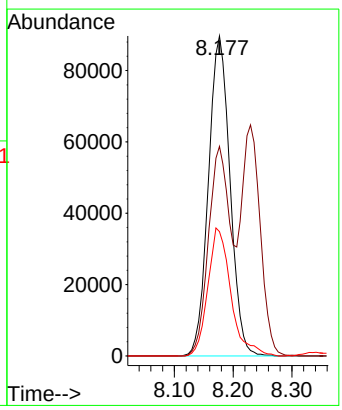


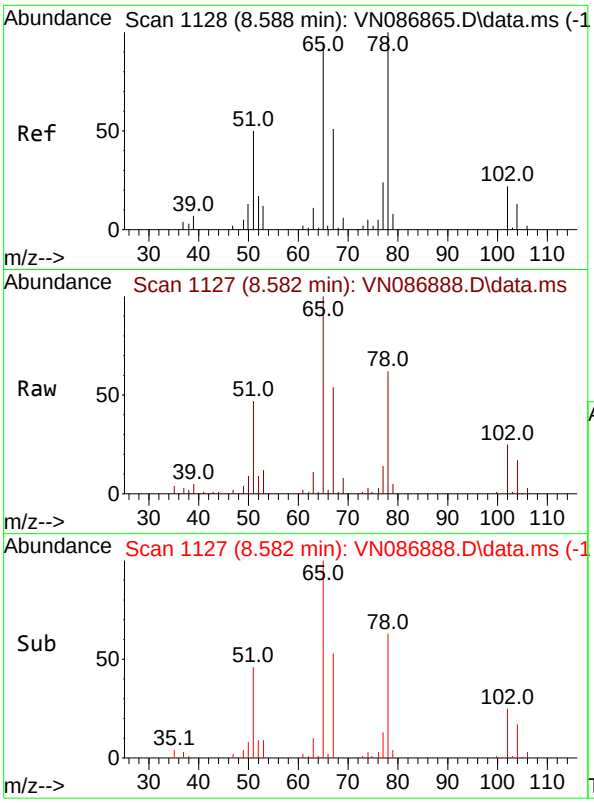


#32
1,1,1-Trichloroethane
Concen: 46.033 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 97 Resp: 228902

Ion	Ratio	Lower	Upper
97	100		
99	68.1	52.0	78.0
61	42.7	35.9	53.9



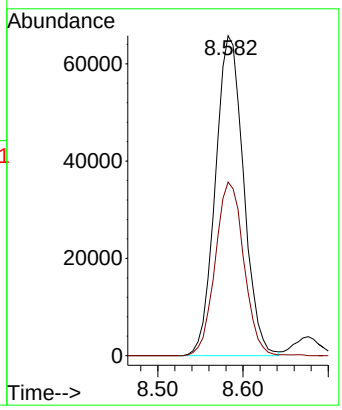


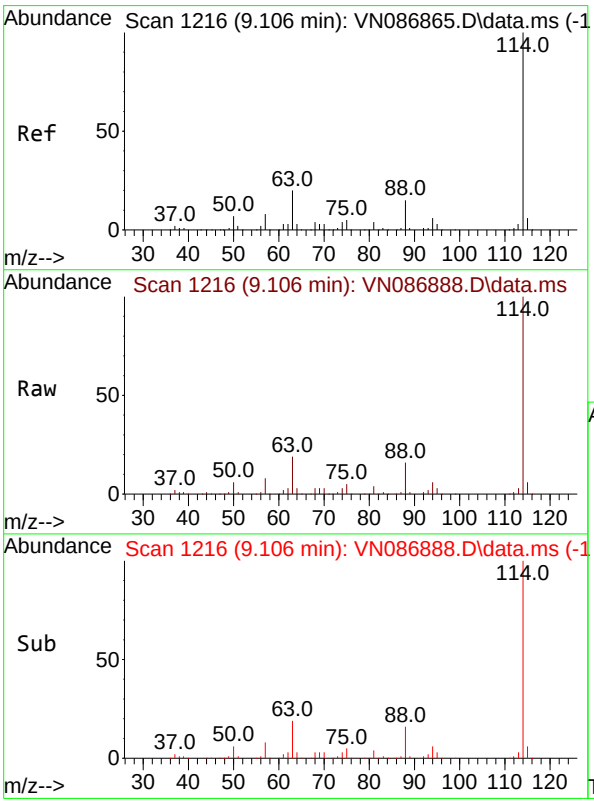
#33
1,2-Dichloroethane-d4
Concen: 43.251 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 151401

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	105.6

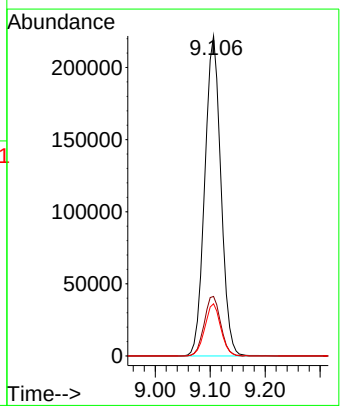


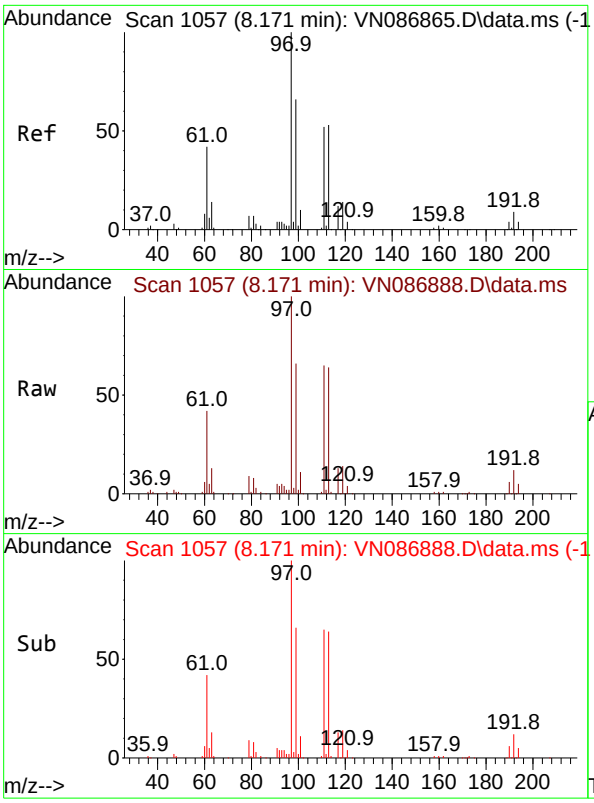


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:114 Resp: 451735

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	16.3	0.0	30.2



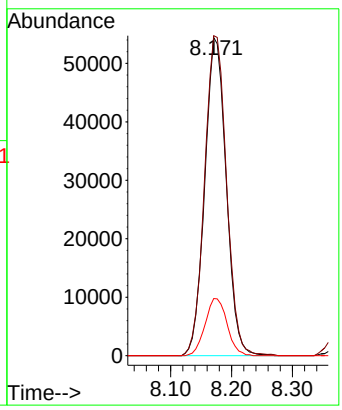


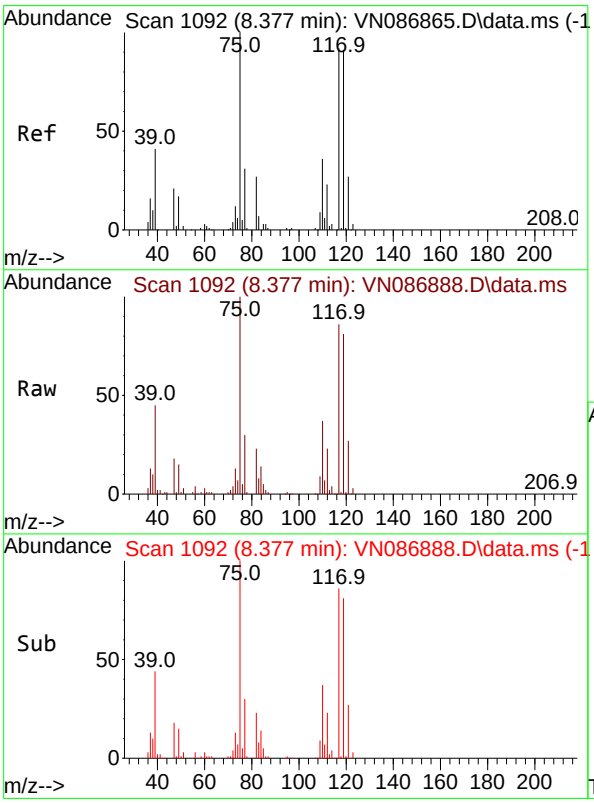
#35
Dibromofluoromethane
Concen: 49.703 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 133059

Ion	Ratio	Lower	Upper
113	100		
111	103.3	84.2	126.2
192	18.4	14.2	21.4

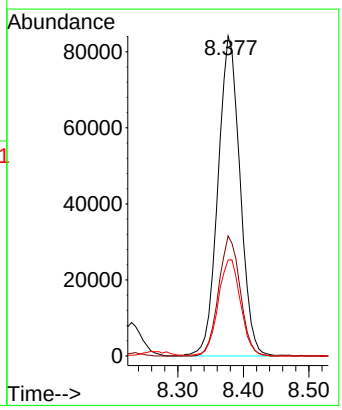


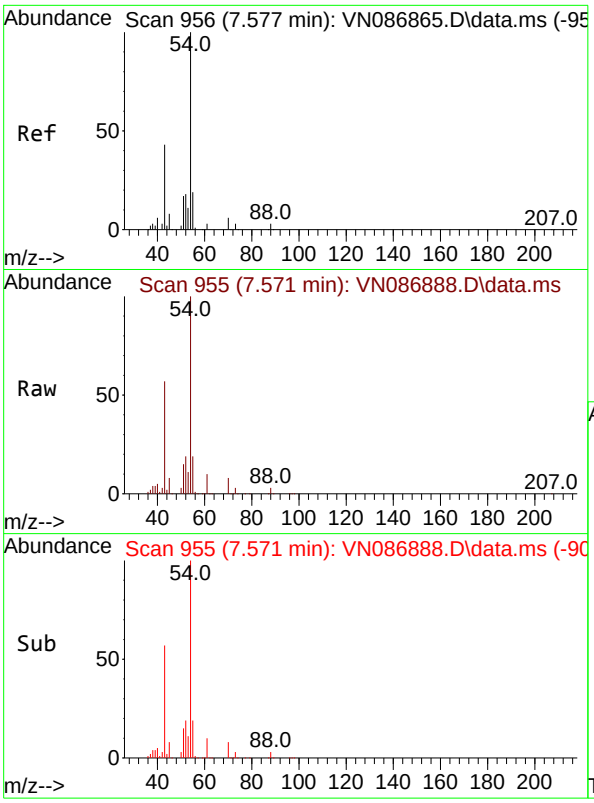


#36
1,1-Dichloropropene
Concen: 49.186 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 196210

Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.6	52.9
77	30.9	25.3	37.9



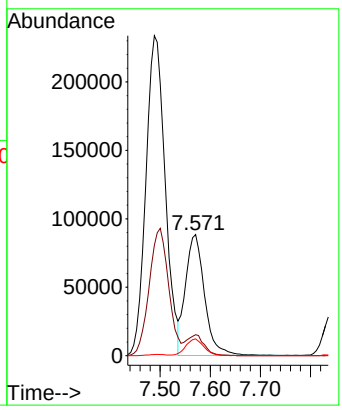


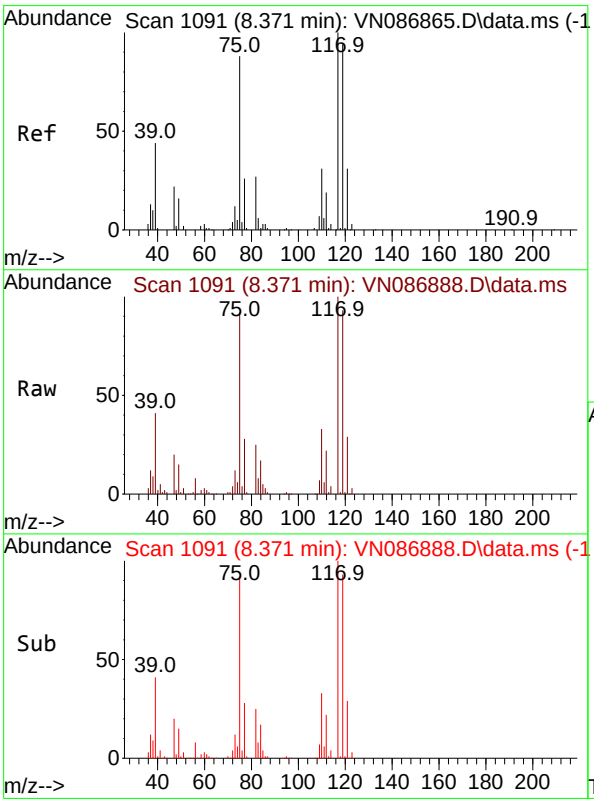
#37
Ethyl Acetate
Concen: 45.959 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 233388

Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	13.3	9.8	14.6

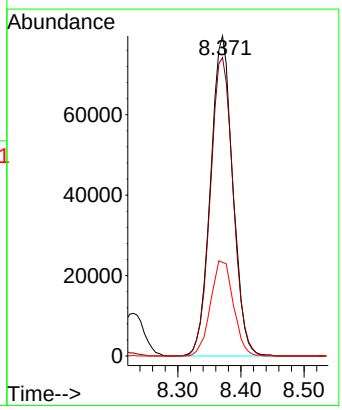


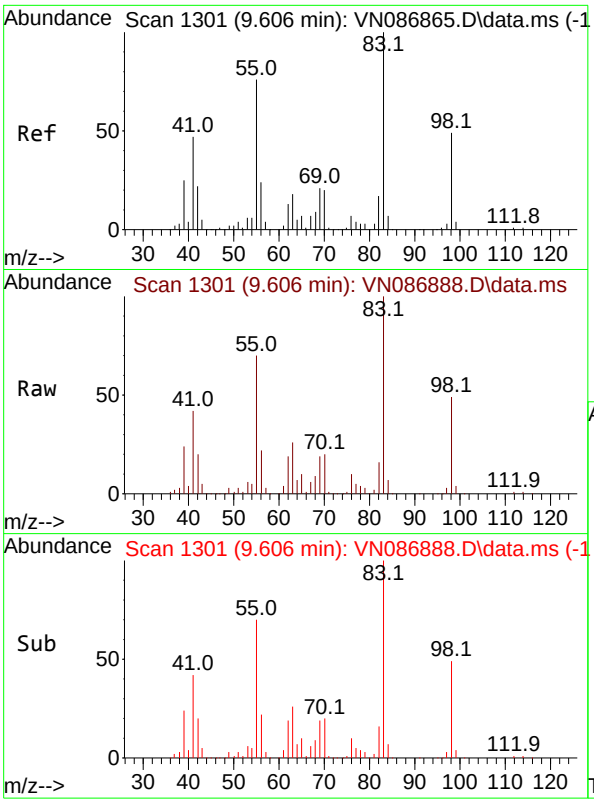


#38
Carbon Tetrachloride
Concen: 49.670 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:117 Resp: 194527

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.0	112.6
121	29.3	24.9	37.3



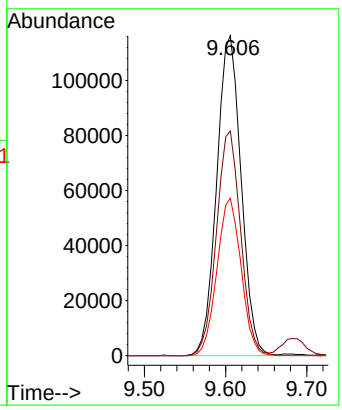


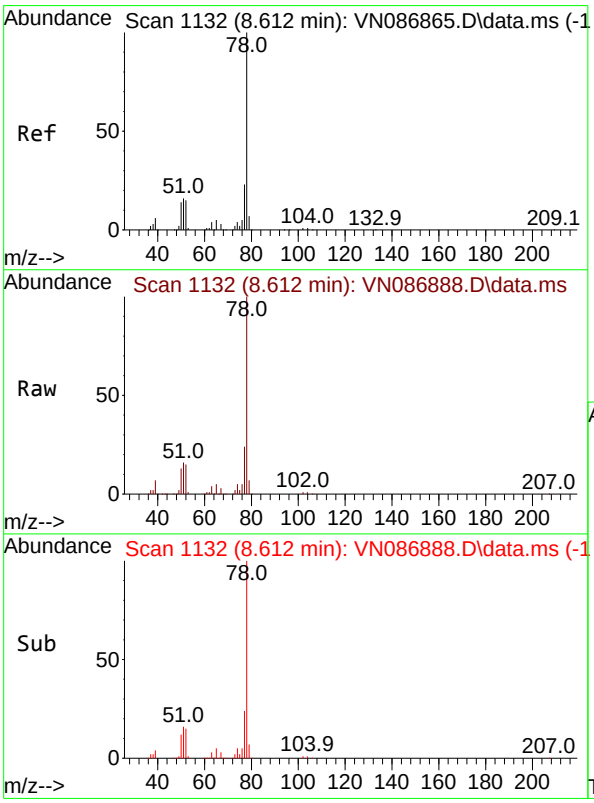
#39
Methylcyclohexane
Concen: 44.591 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 243701

Ion	Ratio	Lower	Upper
83	100		
55	70.2	61.0	91.6
98	49.2	38.9	58.3

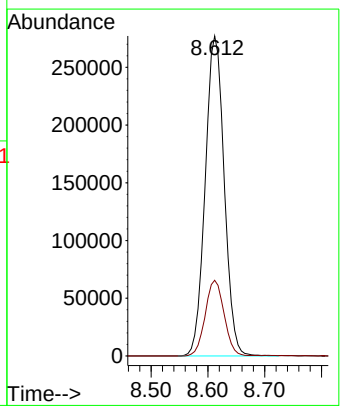


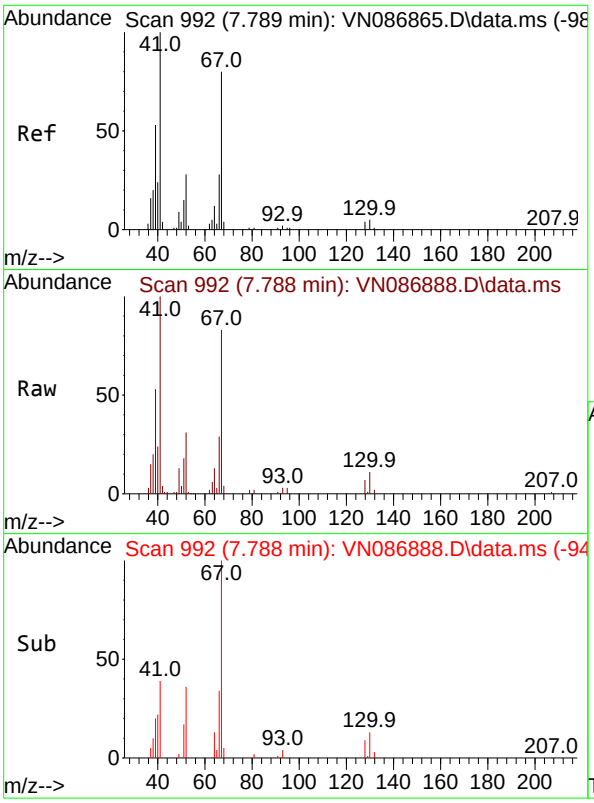


#40
Benzene
Concen: 49.272 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 78 Resp: 642732

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



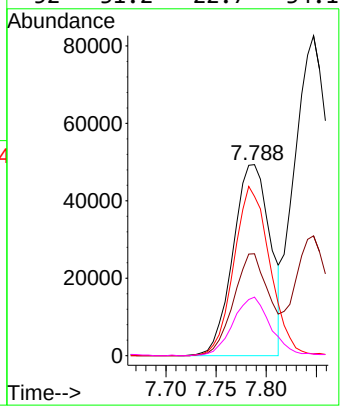


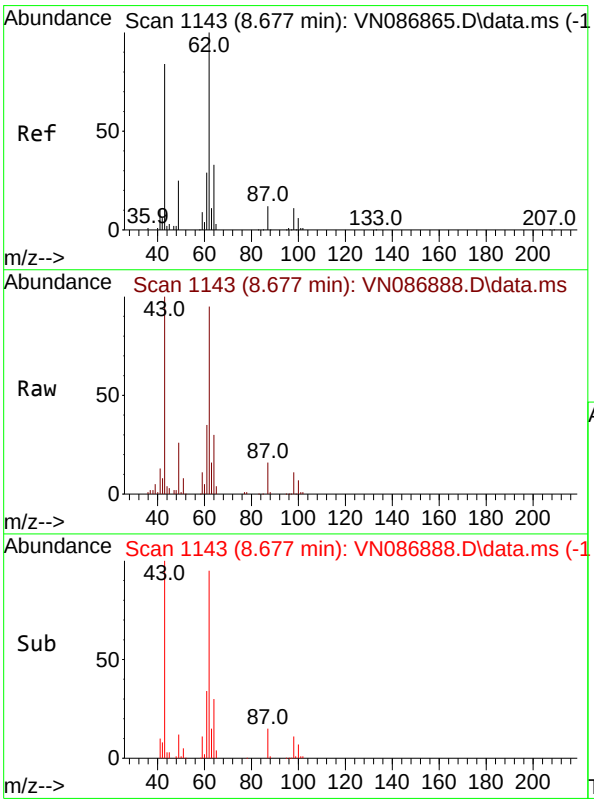
#41
Methacrylonitrile
Concen: 44.731 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 127571

Ion	Ratio	Lower	Upper
41	100		
39	50.6	41.2	61.8
67	86.2	61.4	92.2
52	31.2	22.7	34.1

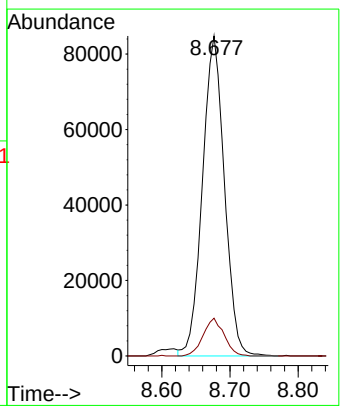


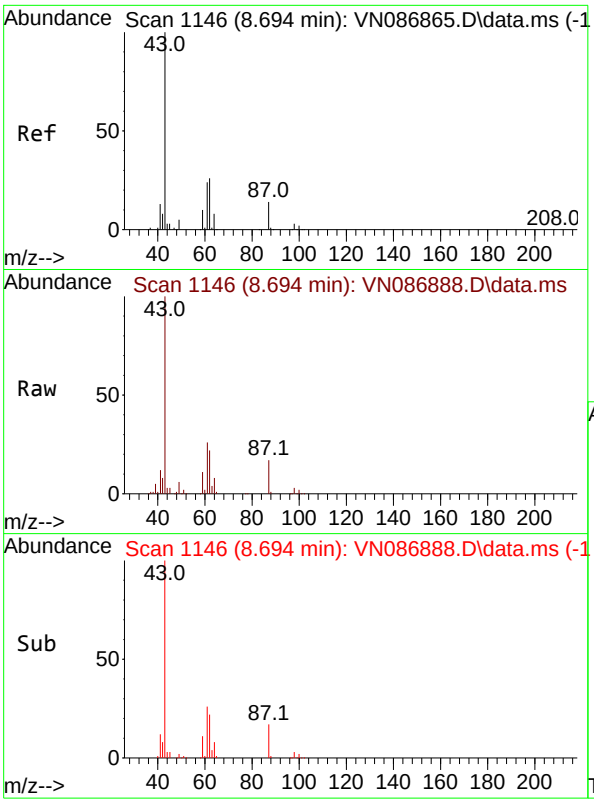


#42
1,2-Dichloroethane
Concen: 48.002 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 62 Resp: 189921

Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.2



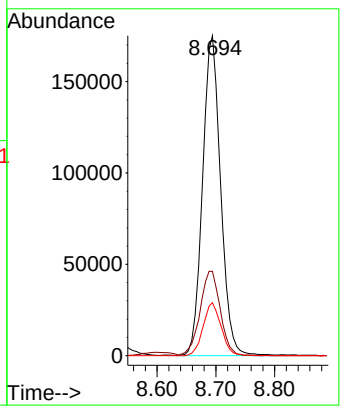


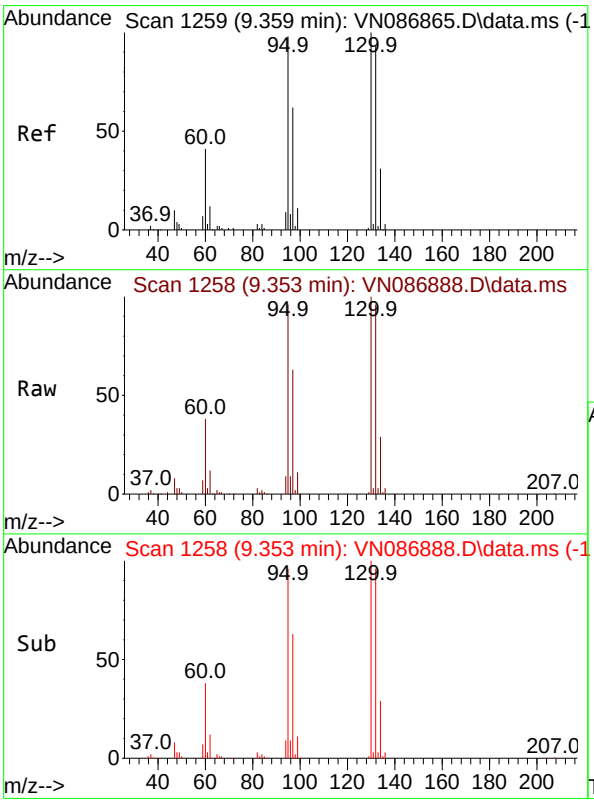
#43
Isopropyl Acetate
Concen: 45.868 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 373849

Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.1	33.1
87	16.5	11.8	17.6

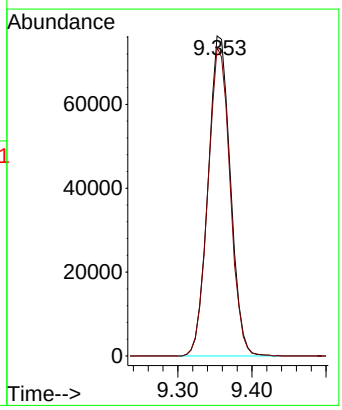


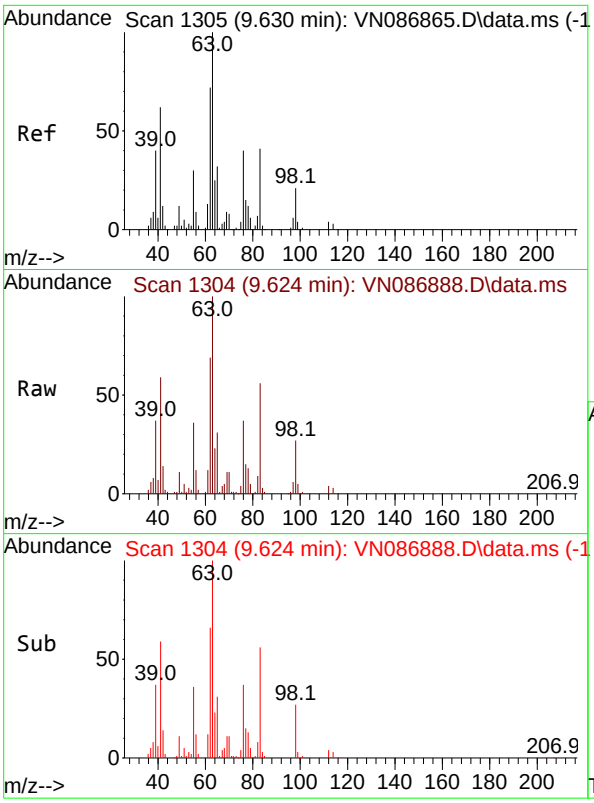


#44
Trichloroethene
Concen: 51.458 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:130 Resp: 159166

Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	196.2



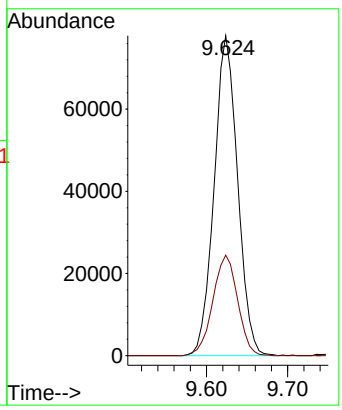


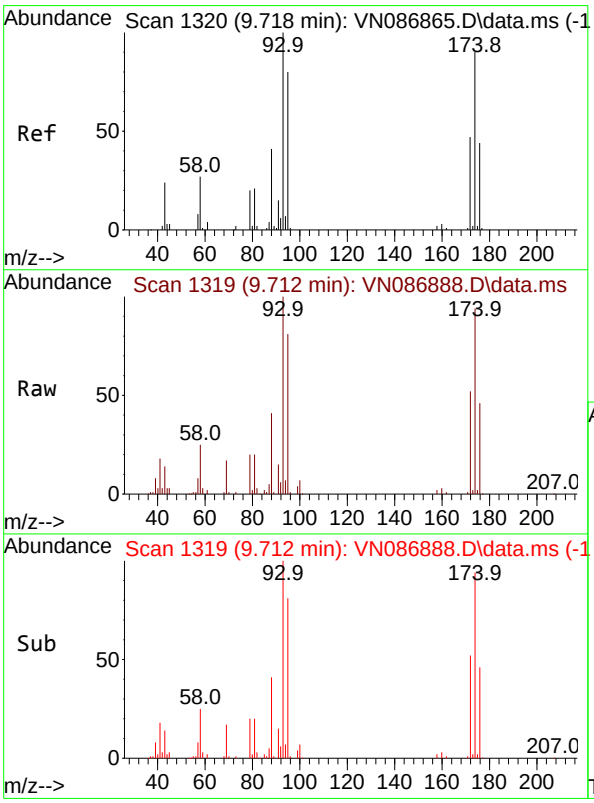
#45
1,2-Dichloropropane
Concen: 49.319 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 156517

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3

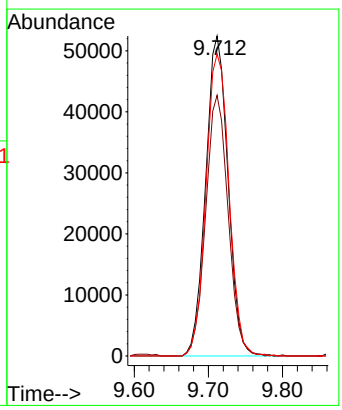


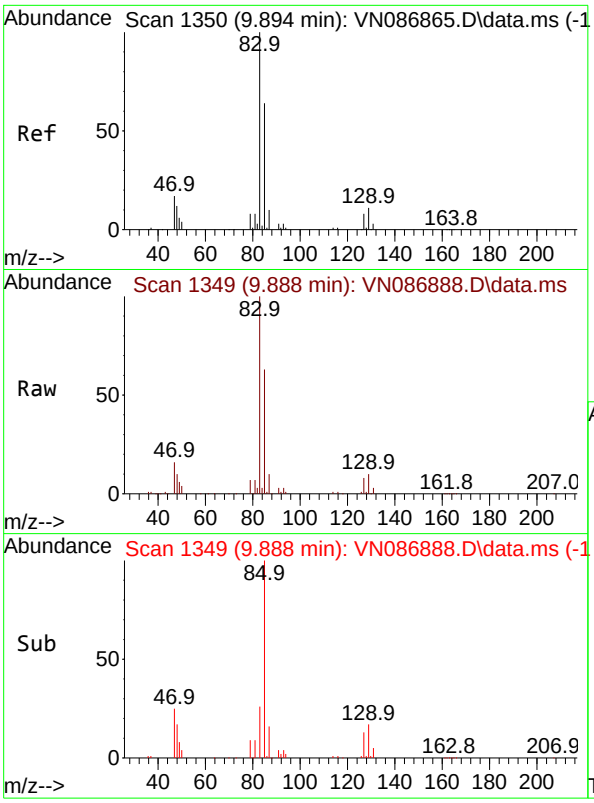


#46
Dibromomethane
Concen: 52.086 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 93 Resp: 109794

Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.1	100.7
174	97.3	74.2	111.4



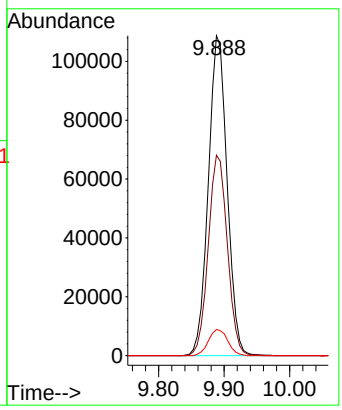


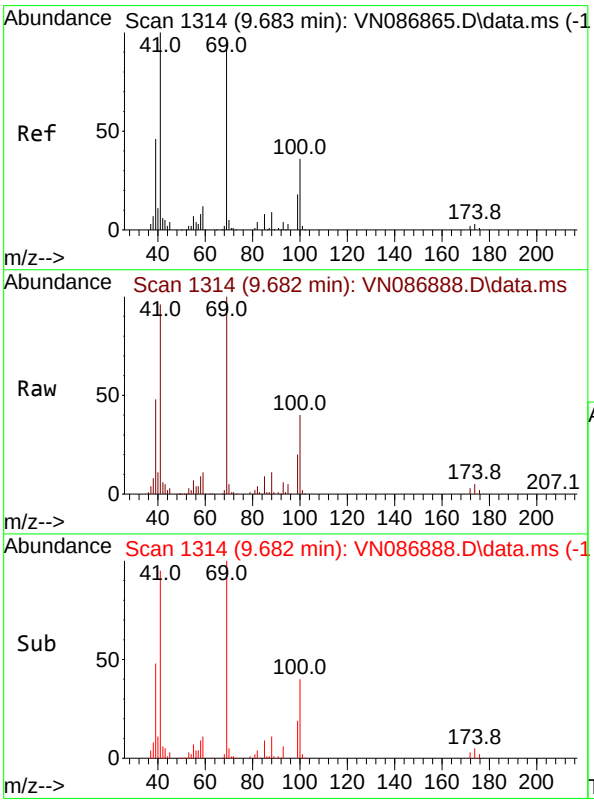
#47
Bromodichloromethane
Concen: 49.933 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 216561

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3
127	8.2	6.6	10.0

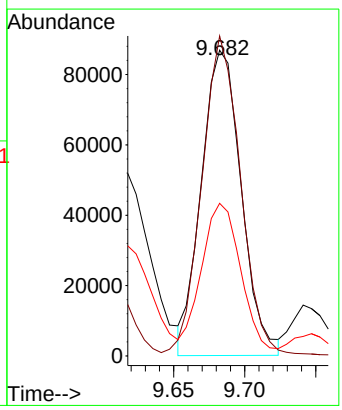


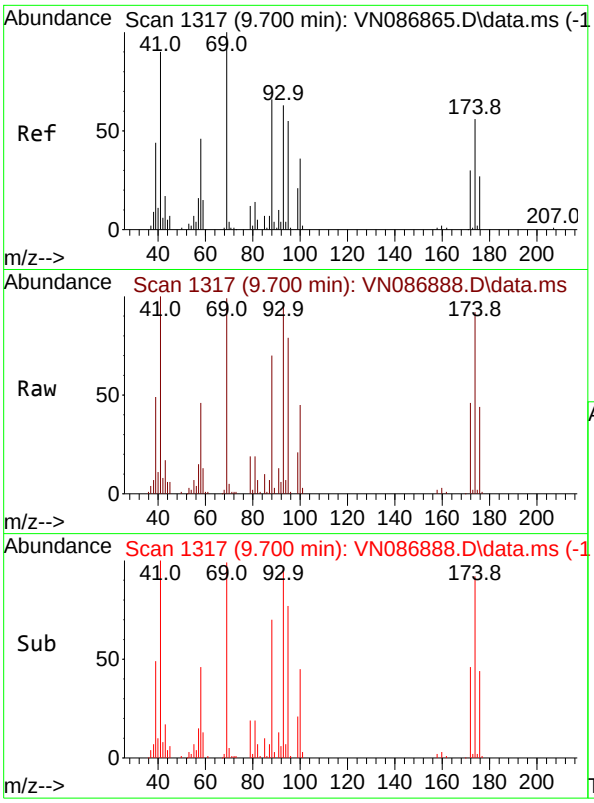


#48
Methyl methacrylate
Concen: 45.323 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 41 Resp: 170025

Ion	Ratio	Lower	Upper
41	100		
69	101.2	74.6	112.0
39	50.1	40.2	60.4



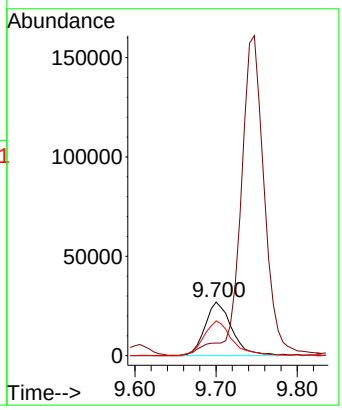


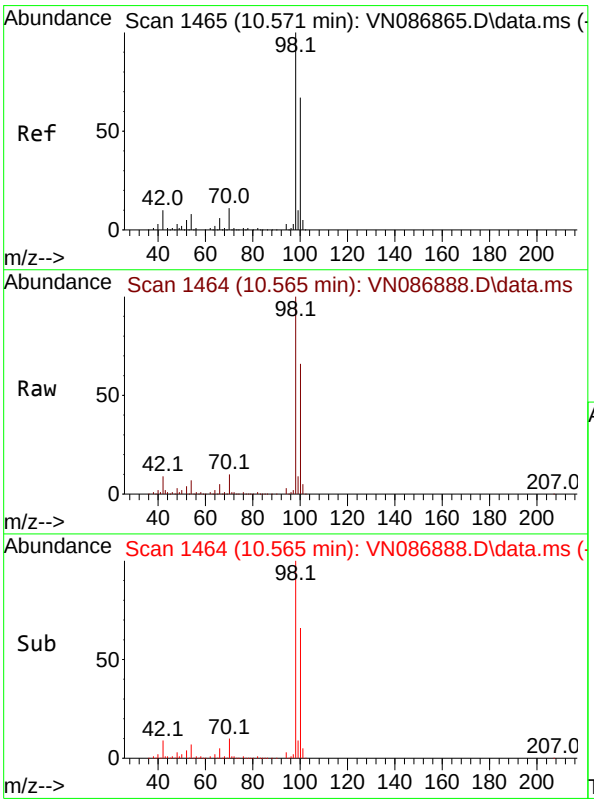
#49
1,4-Dioxane
Concen: 906.076 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 61836

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	68.9	57.7	86.5

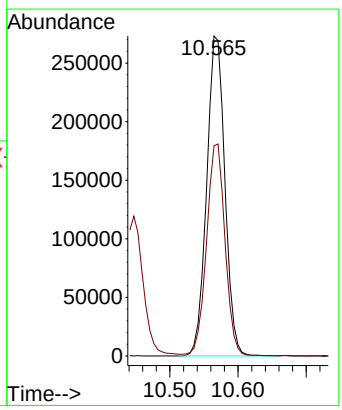


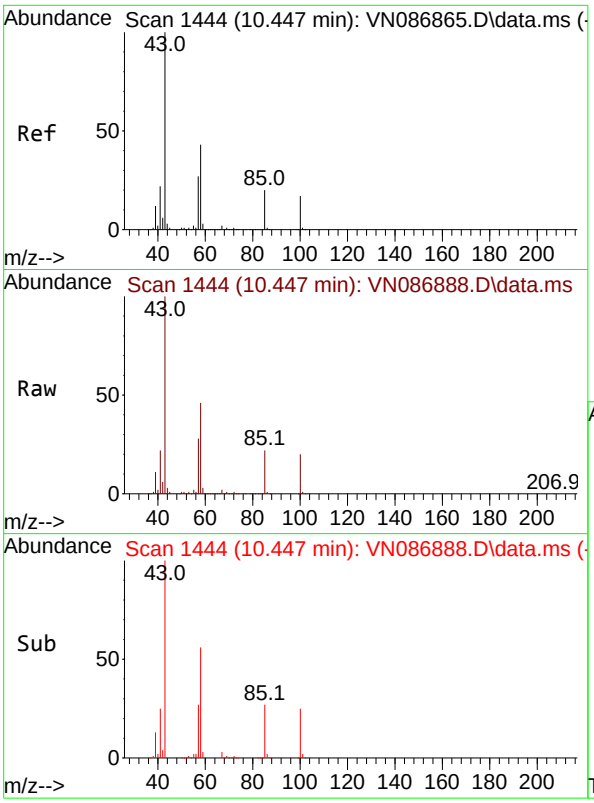


#50
Toluene-d8
Concen: 47.952 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 98 Resp: 508186

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0



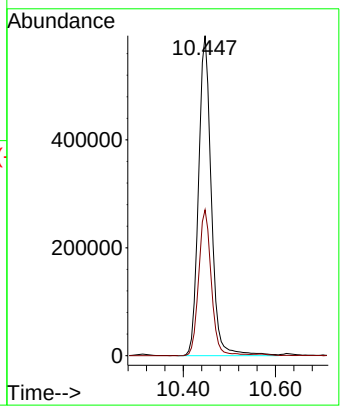


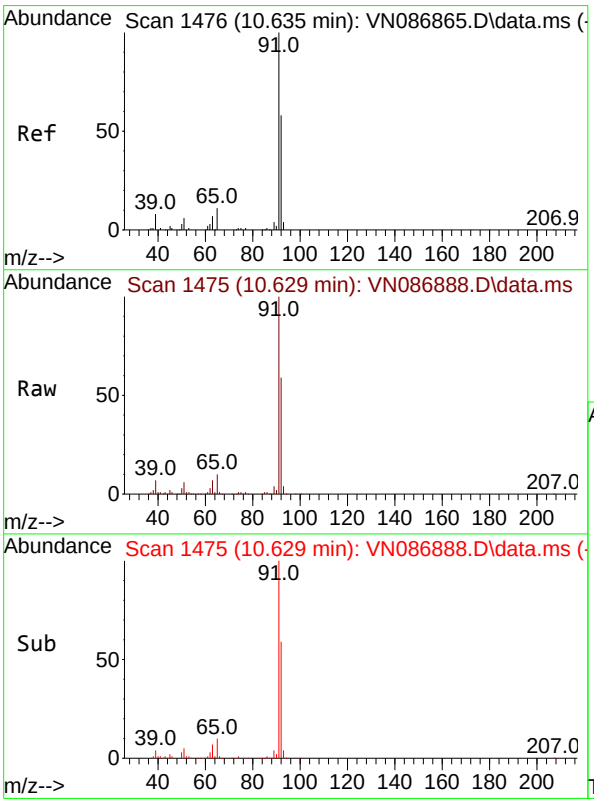
#51
4-Methyl-2-Pentanone
Concen: 233.442 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1145420

Ion	Ratio	Lower	Upper
43	100		
58	45.1	34.2	51.4

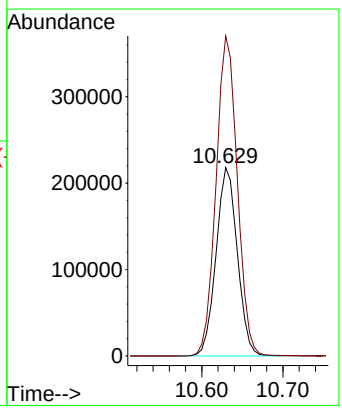


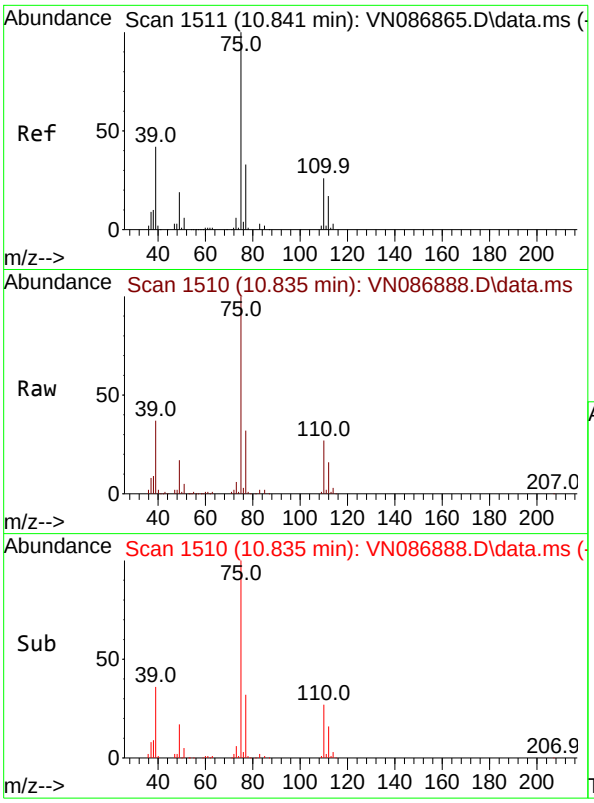


#52
Toluene
Concen: 49.745 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 92 Resp: 396562

Ion	Ratio	Lower	Upper
92	100		
91	170.4	136.5	204.7



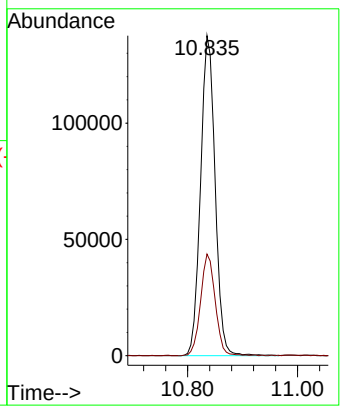


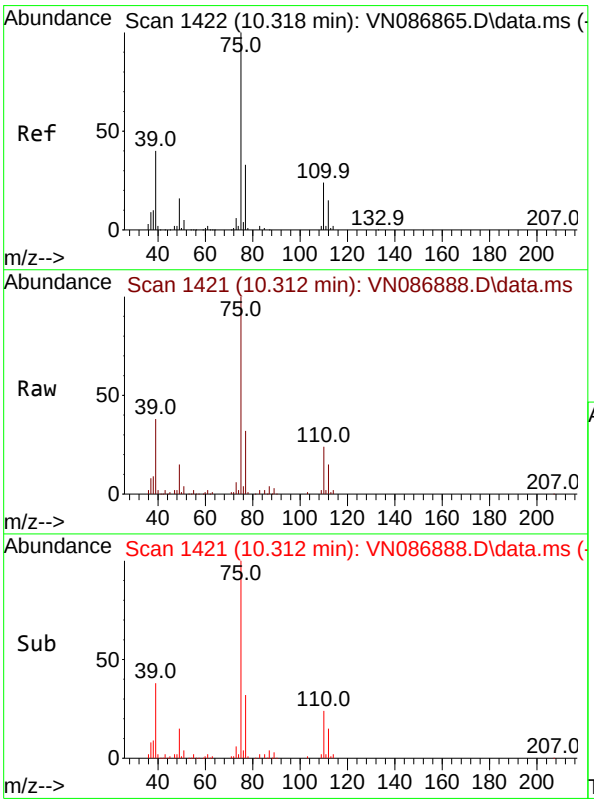
#53
t-1,3-Dichloropropene
Concen: 52.141 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 252866

Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.4	39.6

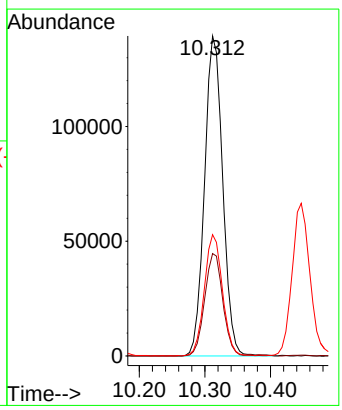


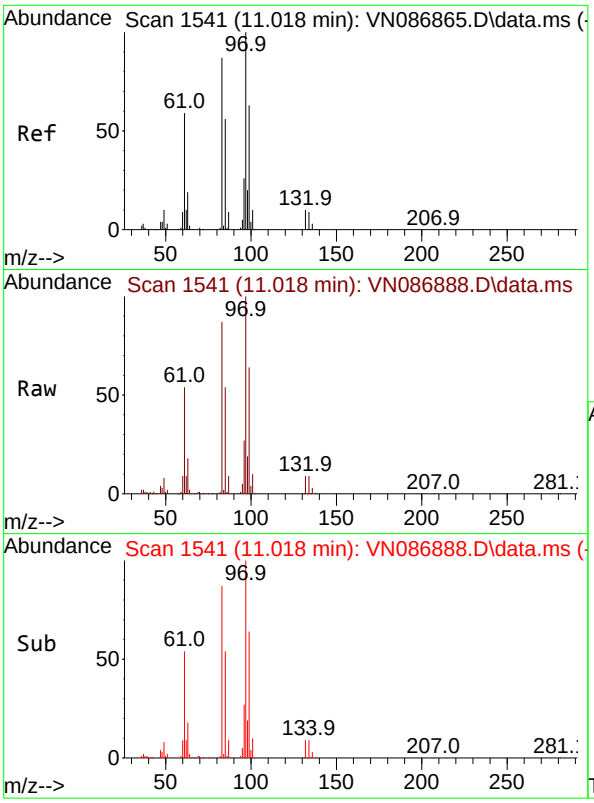


#54
cis-1,3-Dichloropropene
Concen: 51.859 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 269095

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4
39	37.8	32.3	48.5



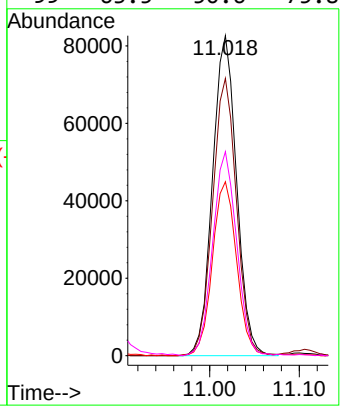


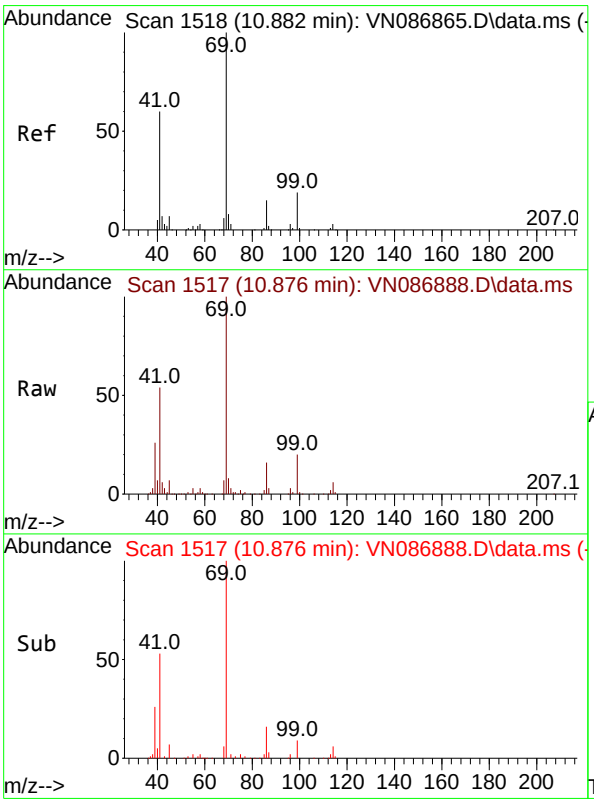
#55
1,1,2-Trichloroethane
Concen: 50.186 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 153943

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.7	104.5
85	54.4	45.1	67.7
99	63.5	50.6	75.8

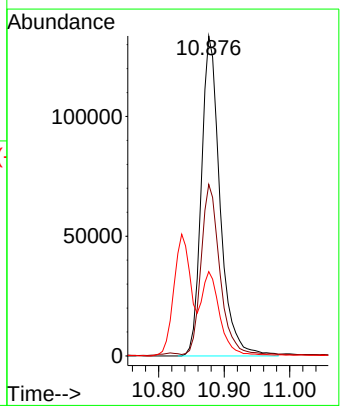


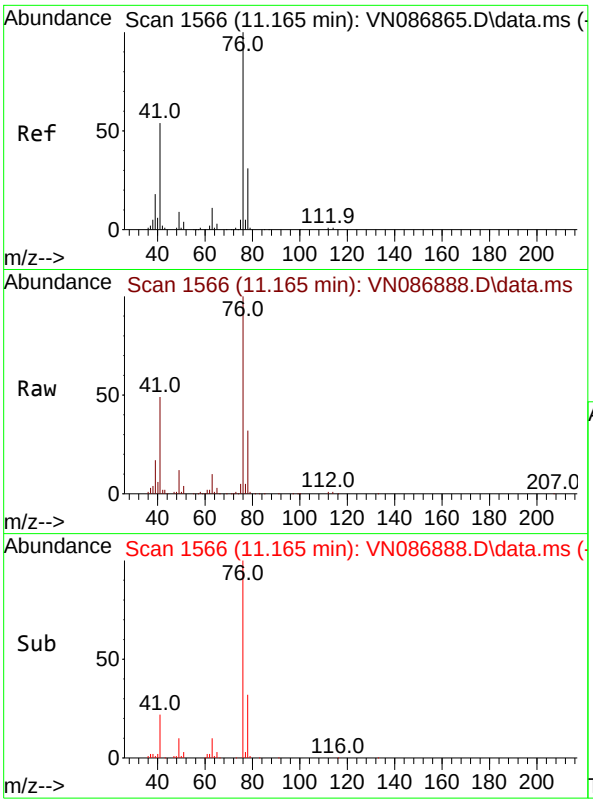


#56
Ethyl methacrylate
Concen: 54.375 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 69 Resp: 265661

Ion	Ratio	Lower	Upper
69	100		
41	52.9	47.2	70.8
39	24.9	23.0	34.6



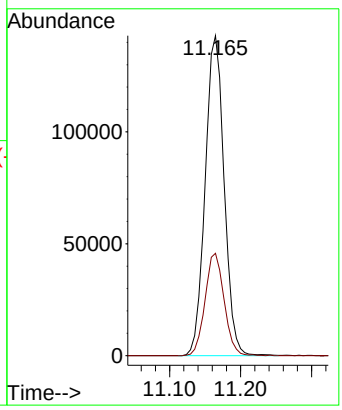


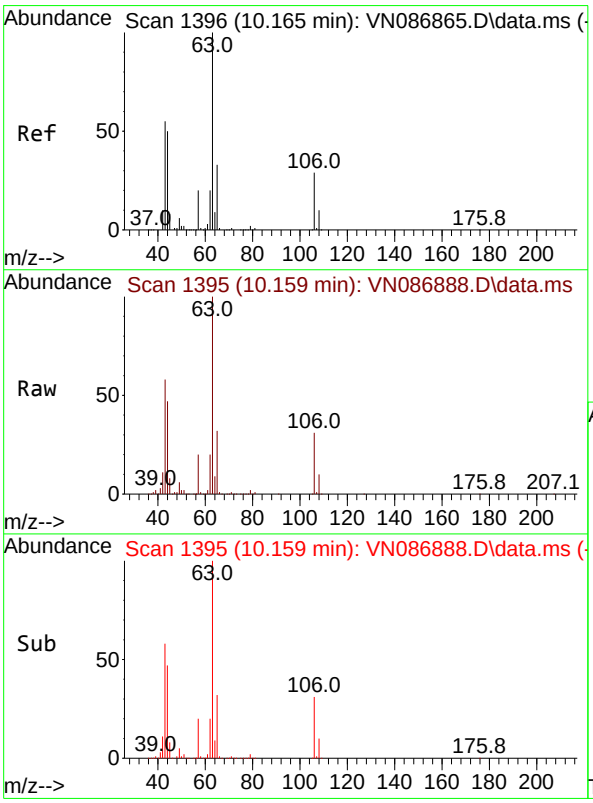
#57
1,3-Dichloropropane
Concen: 49.844 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 265229

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9

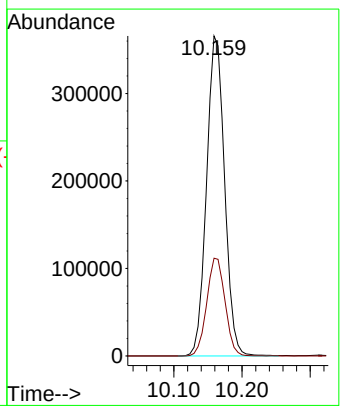


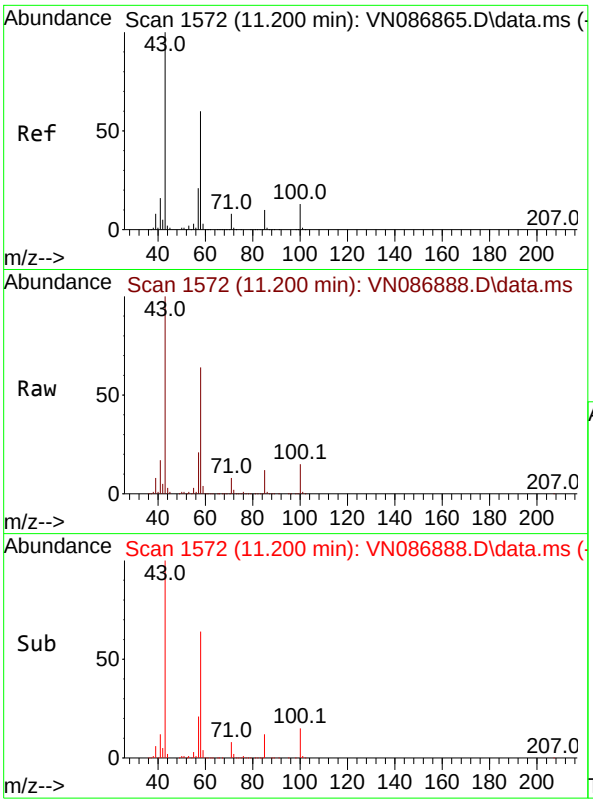


#58
2-Chloroethyl Vinyl ether
Concen: 230.994 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 63 Resp: 673133

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.0	34.6



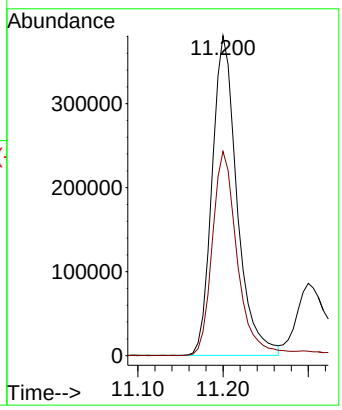


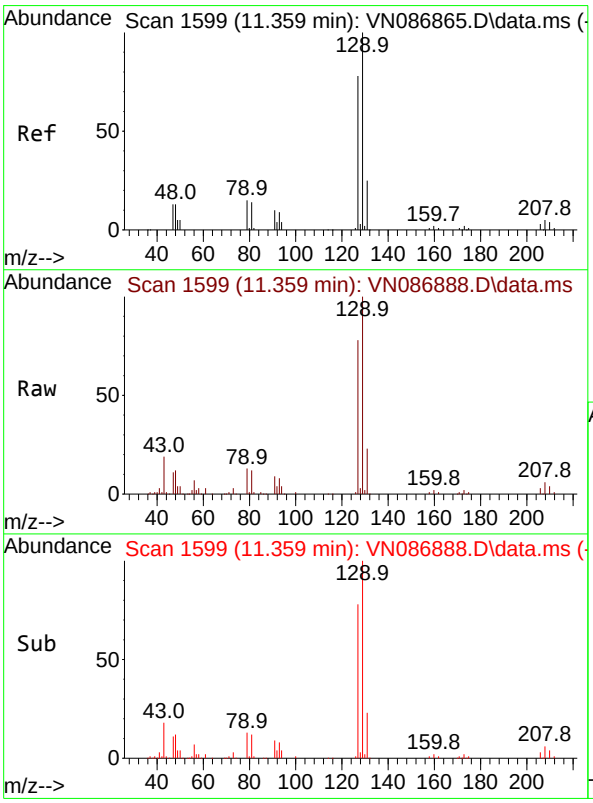
#59
2-Hexanone
Concen: 244.401 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 772443

Ion	Ratio	Lower	Upper
43	100		
58	64.3	30.4	91.3

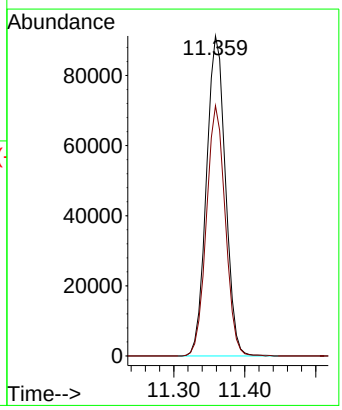


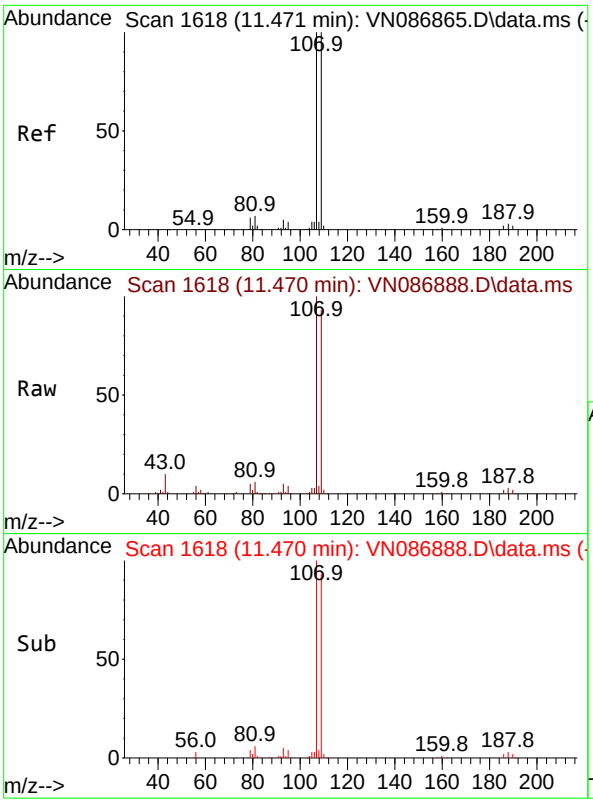


#60
Dibromochloromethane
Concen: 52.993 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:129 Resp: 169362

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8



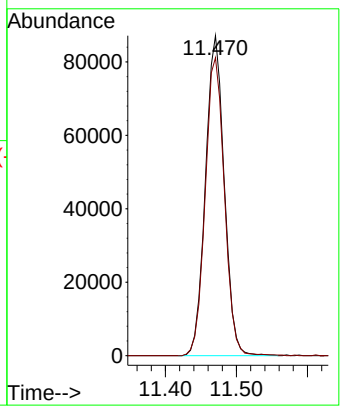


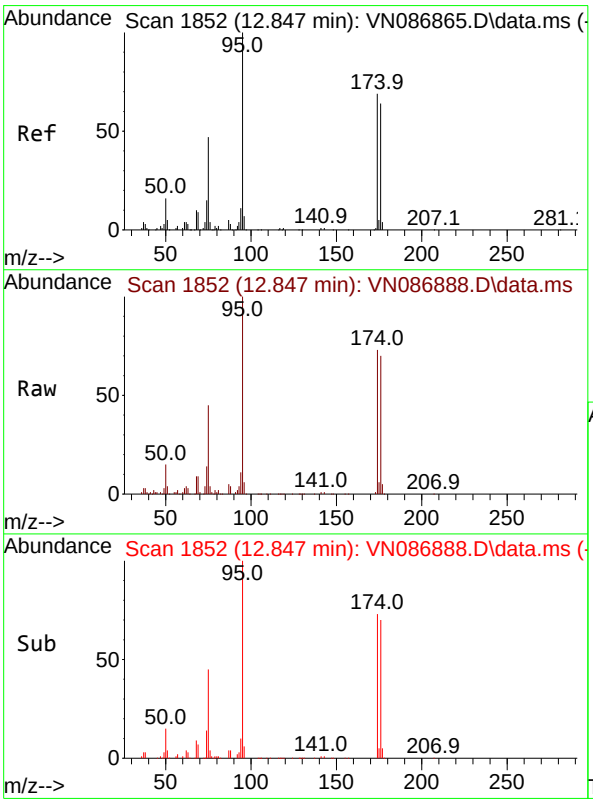
#61
1,2-Dibromoethane
Concen: 51.016 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 160398

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.3	114.5

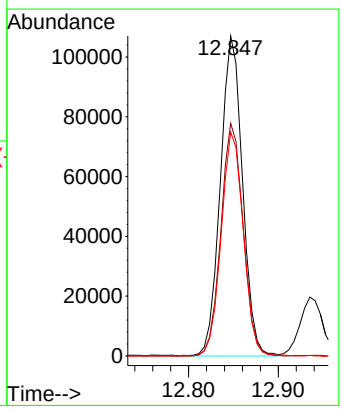


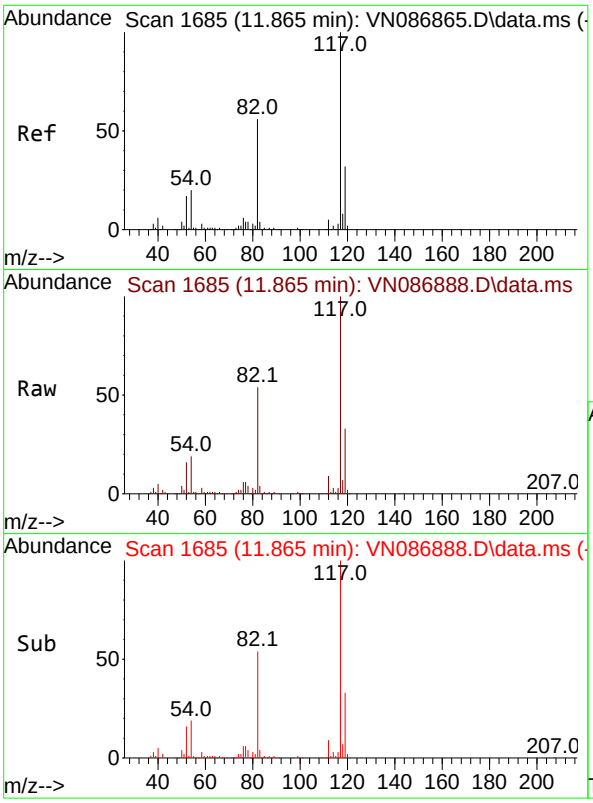


#62
4-Bromofluorobenzene
Concen: 46.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 95 Resp: 183178

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.8
176	69.7	0.0	132.6



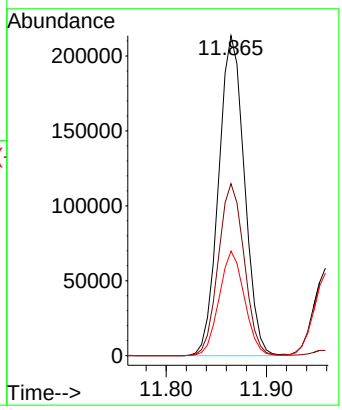


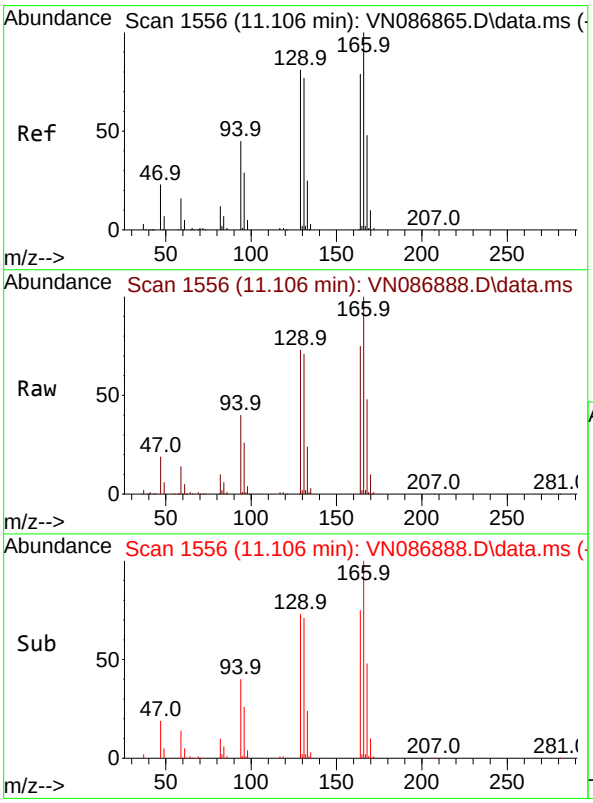
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 380922

Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.6	67.0
119	32.7	25.5	38.3

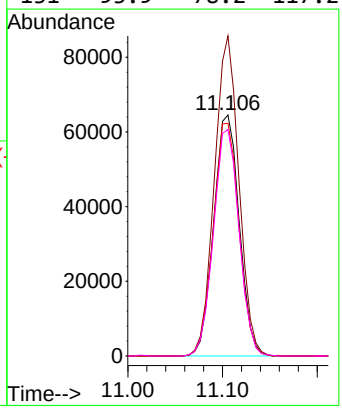


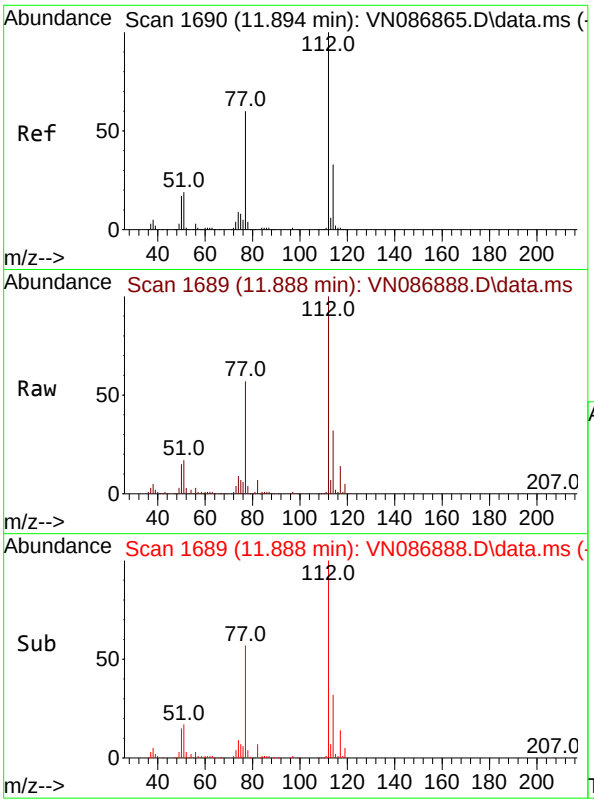


#64
Tetrachloroethene
Concen: 50.252 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:164 Resp: 121144

Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.8	152.8
129	96.5	83.0	124.4
131	93.9	78.2	117.2



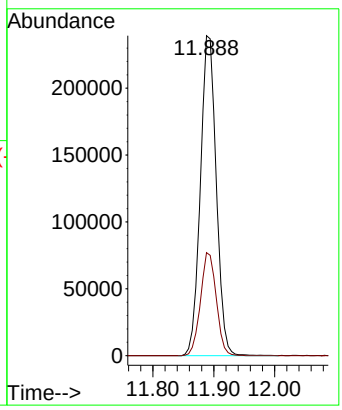


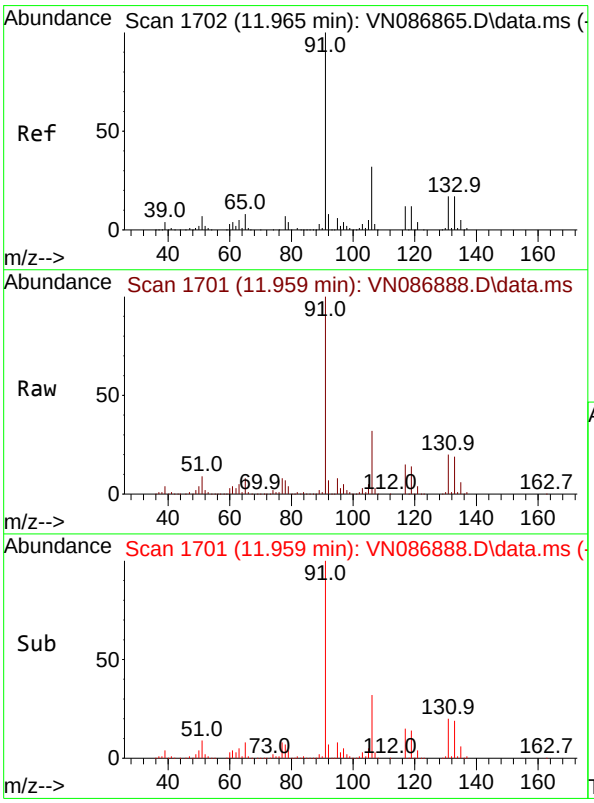
#65
Chlorobenzene
Concen: 51.673 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 434126

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.2

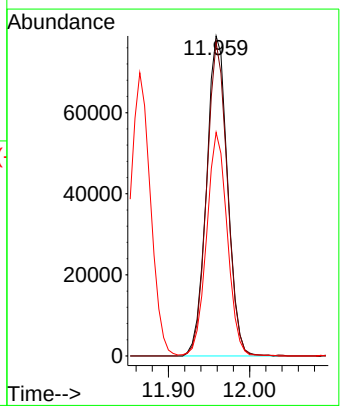


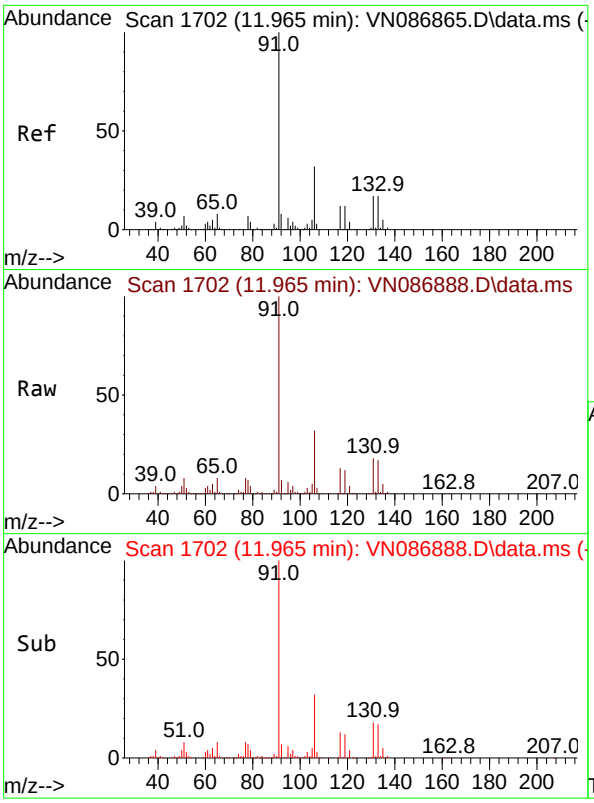


#66
1,1,1,2-Tetrachloroethane
Concen: 52.679 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:131 Resp: 142266

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.3	144.8
119	68.6	34.0	101.8



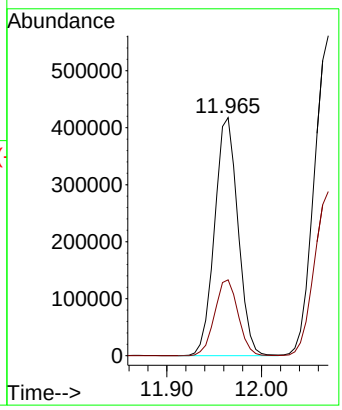


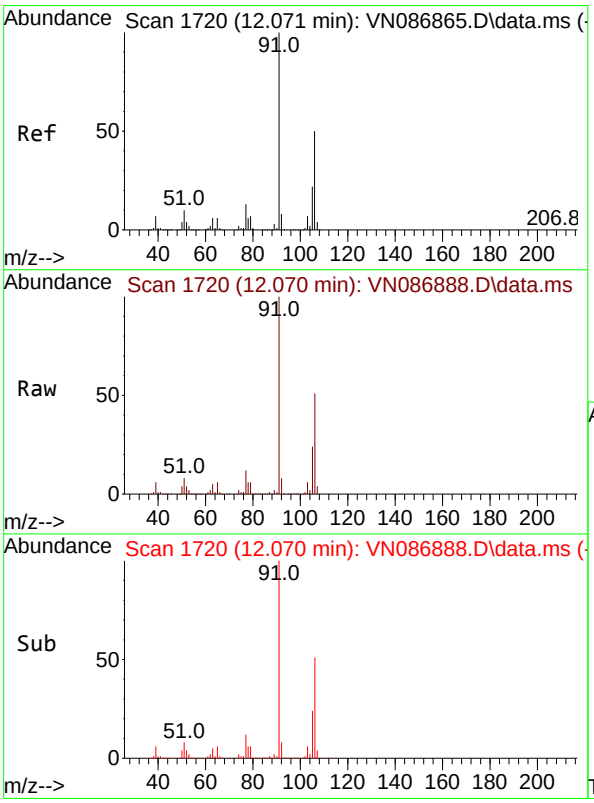
#67
Ethyl Benzene
Concen: 49.523 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 716652

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

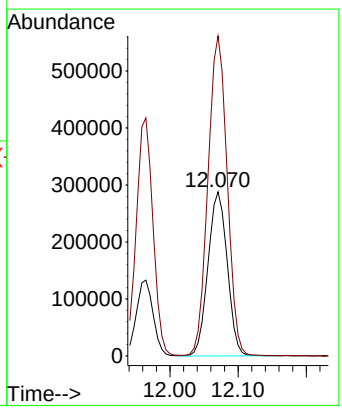


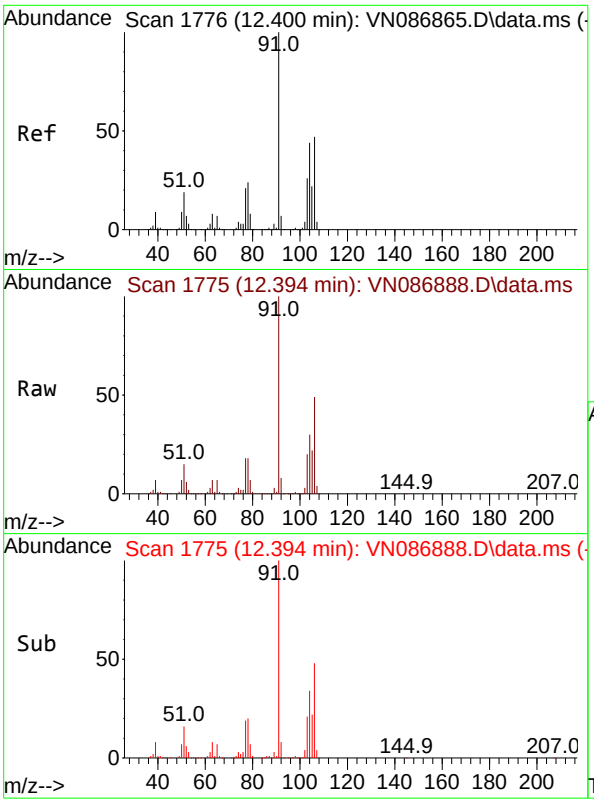


#68
m/p-Xylenes
Concen: 102.006 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:106 Resp: 565069

Ion	Ratio	Lower	Upper
106	100		
91	194.8	159.4	239.0



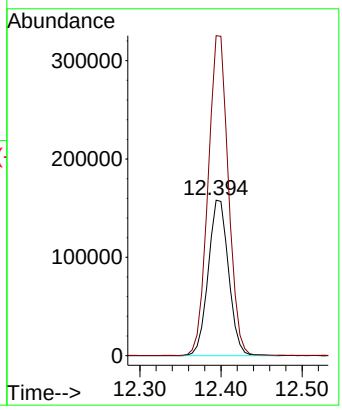


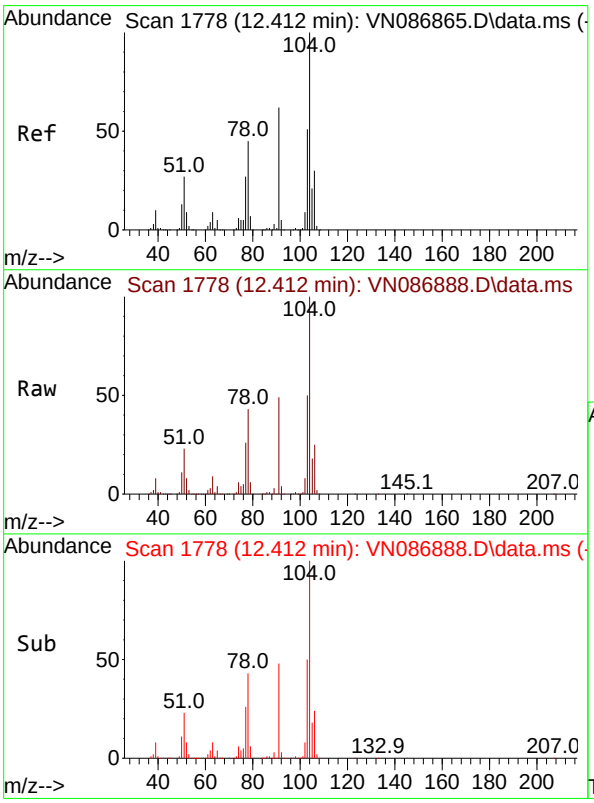
#69
o-Xylene
Concen: 51.757 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 274597

Ion	Ratio	Lower	Upper
106	100		
91	205.5	106.1	318.1

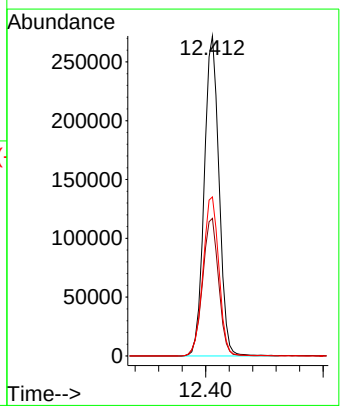


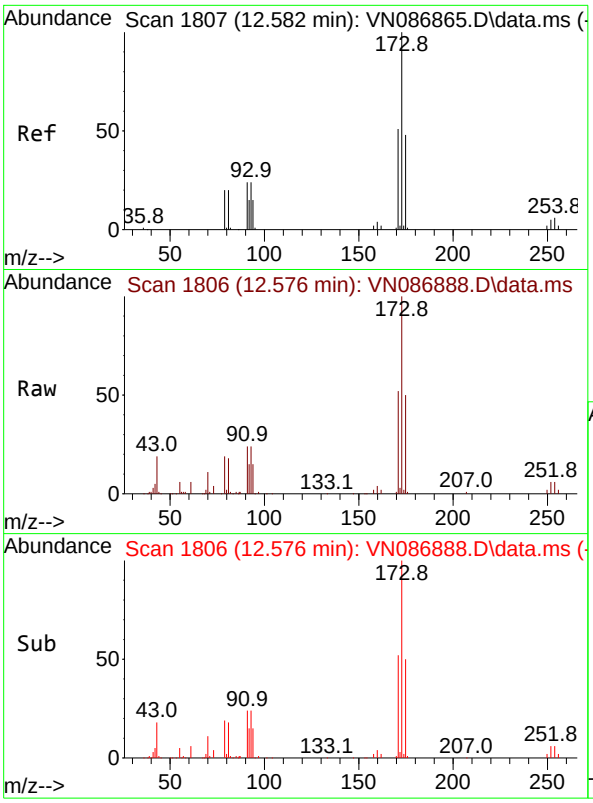


#70
Styrene
Concen: 52.406 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:104 Resp: 475772

Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.5	57.7
103	53.3	43.1	64.7



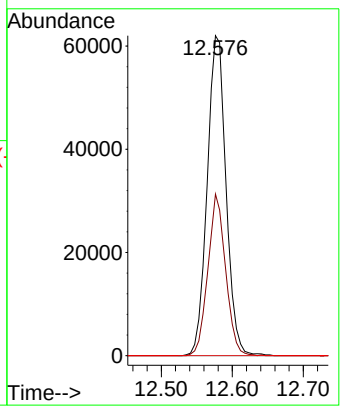


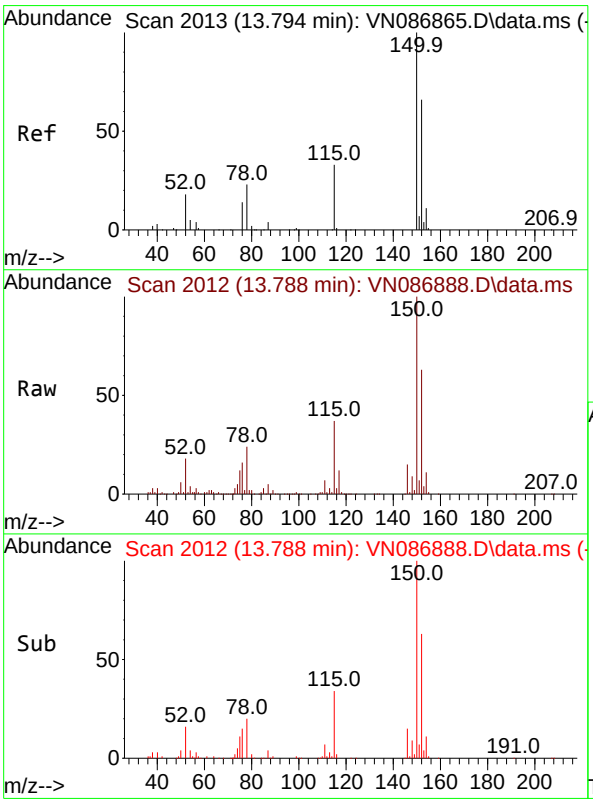
#71
Bromoform
Concen: 57.115 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 114286

Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.1	72.4
254	0.0	0.0	0.0

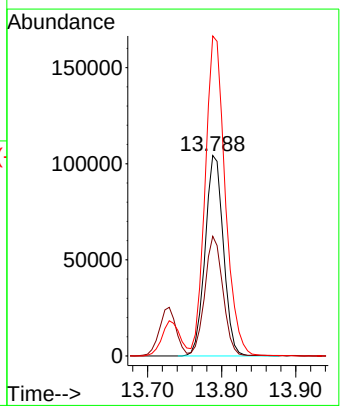


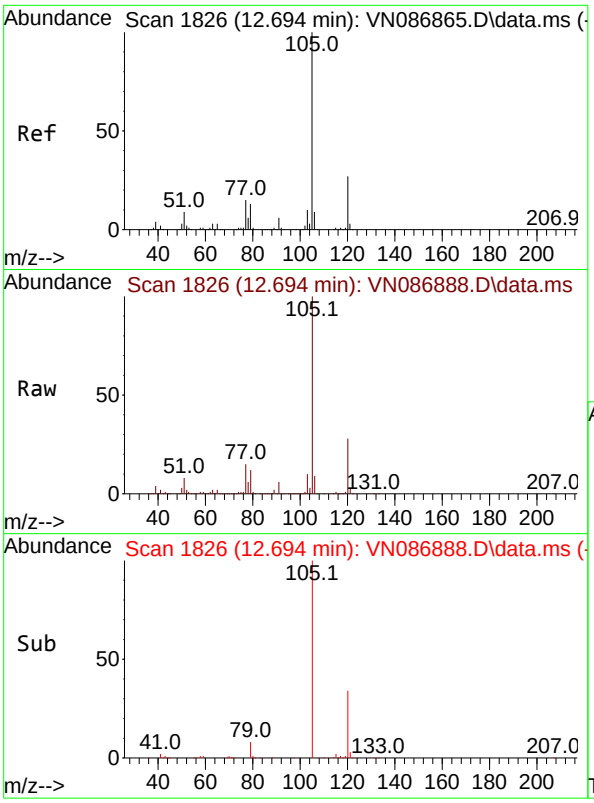


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:152 Resp: 178512

Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.1	90.5
150	174.5	0.0	345.0



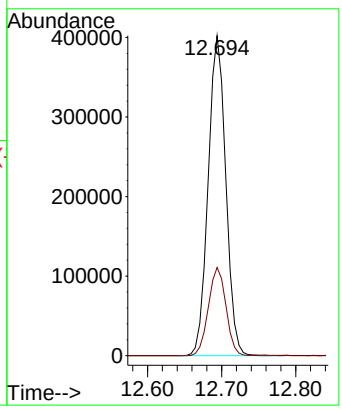


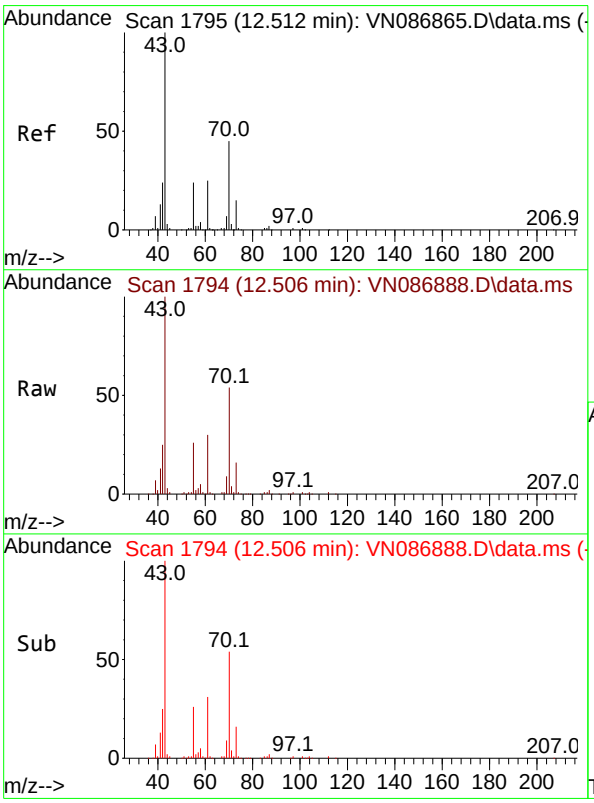
#73
Isopropylbenzene
Concen: 51.104 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 664595

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.4

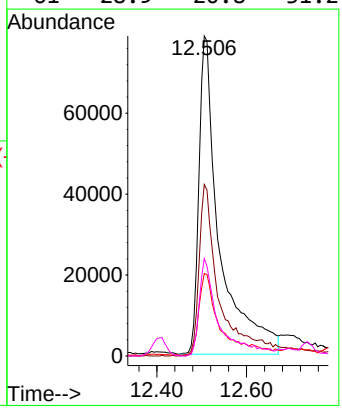


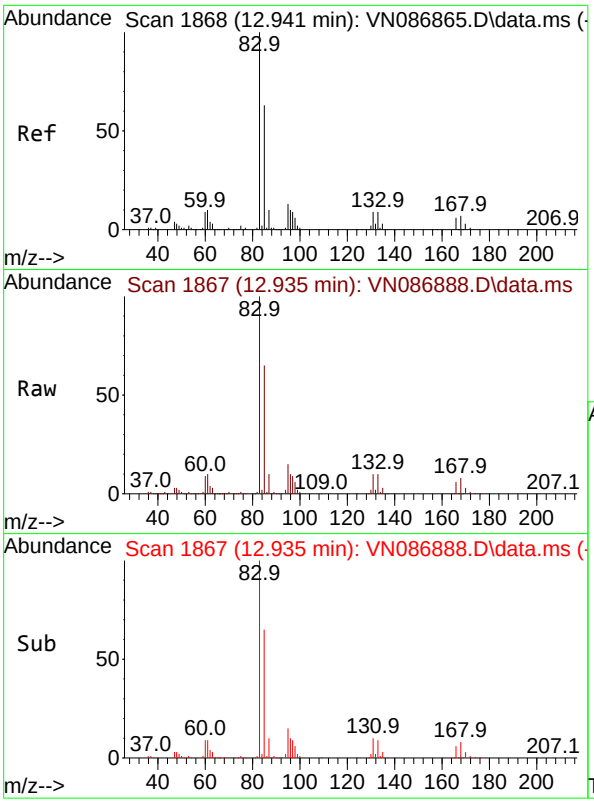


#74
N-amyl acetate
Concen: 55.326 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 43 Resp: 251426

Ion	Ratio	Lower	Upper
43	100		
70	57.0	37.6	56.4#
55	24.1	19.0	28.6
61	28.9	20.8	31.2



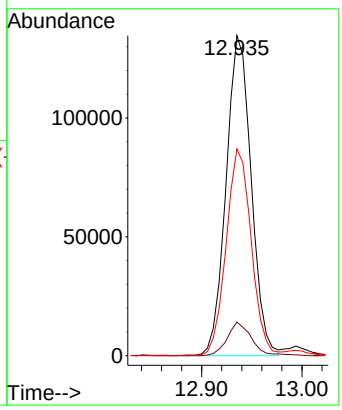


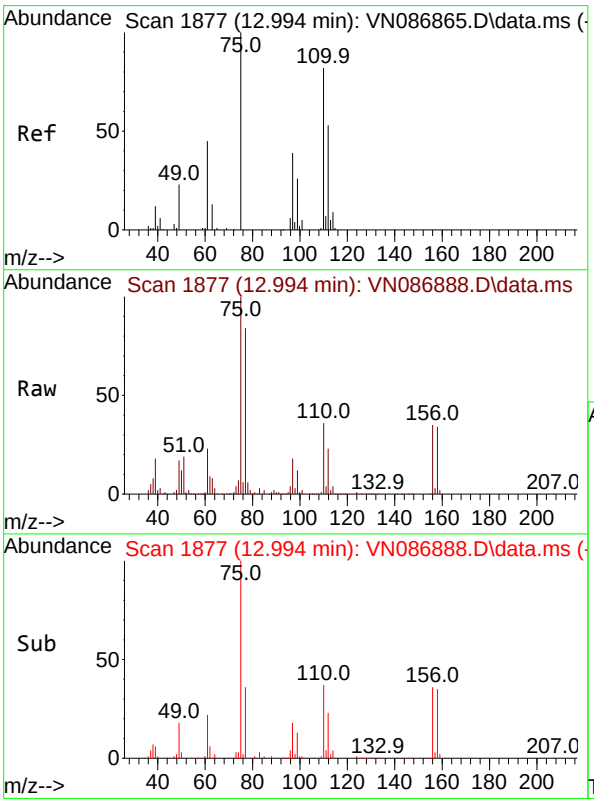
#75
1,1,2,2-Tetrachloroethane
Concen: 53.240 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 234561

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	64.4	32.0	96.0

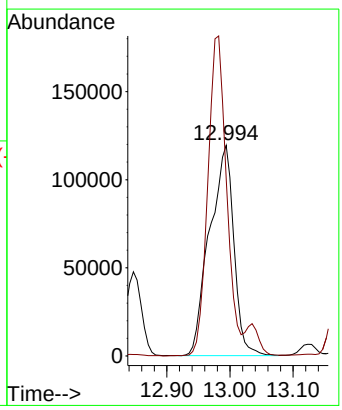


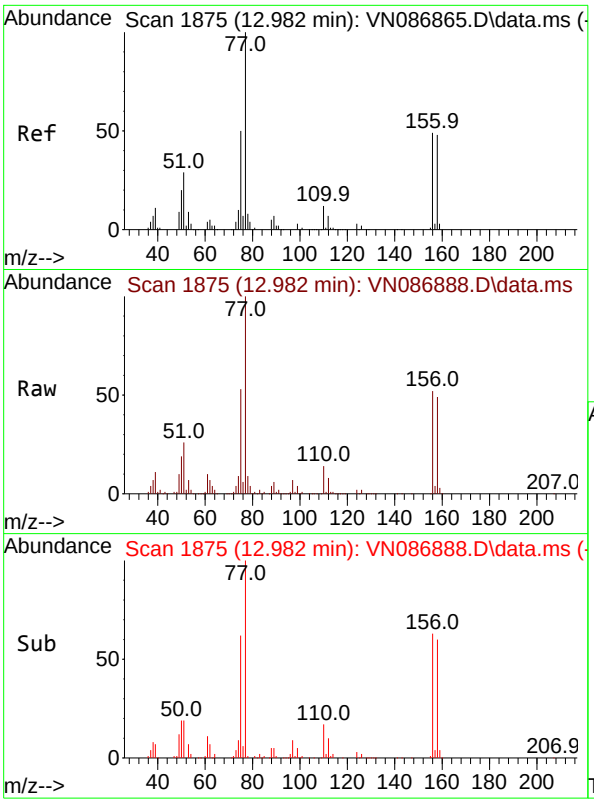


#76
1,2,3-Trichloropropane
Concen: 75.047 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 318445

Ion	Ratio	Lower	Upper
75	100		
77	117.3	79.3	237.9



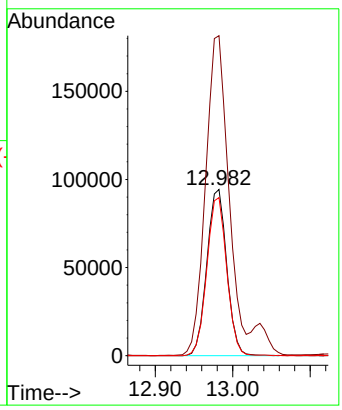


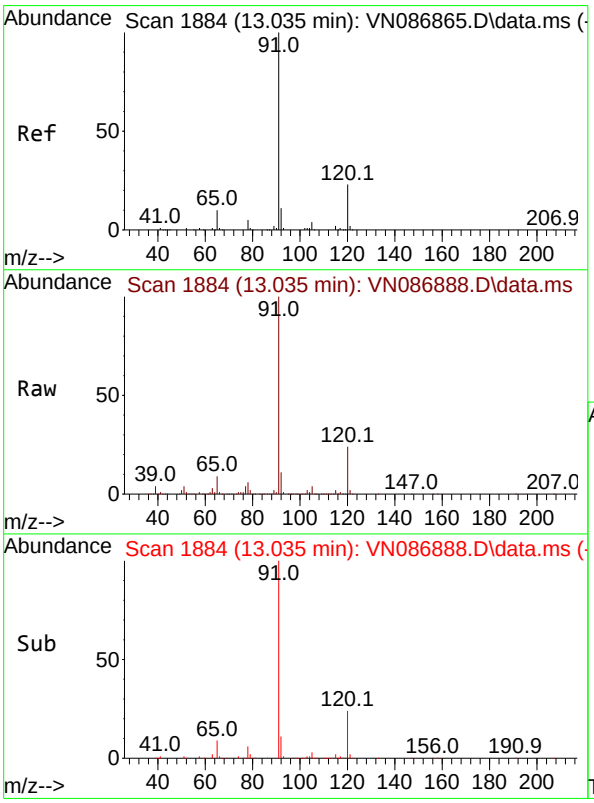
#77
Bromobenzene
Concen: 56.377 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 168142

Ion	Ratio	Lower	Upper
156	100		
77	222.1	117.7	353.1
158	95.3	48.1	144.4

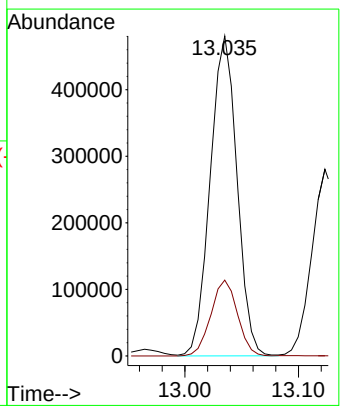


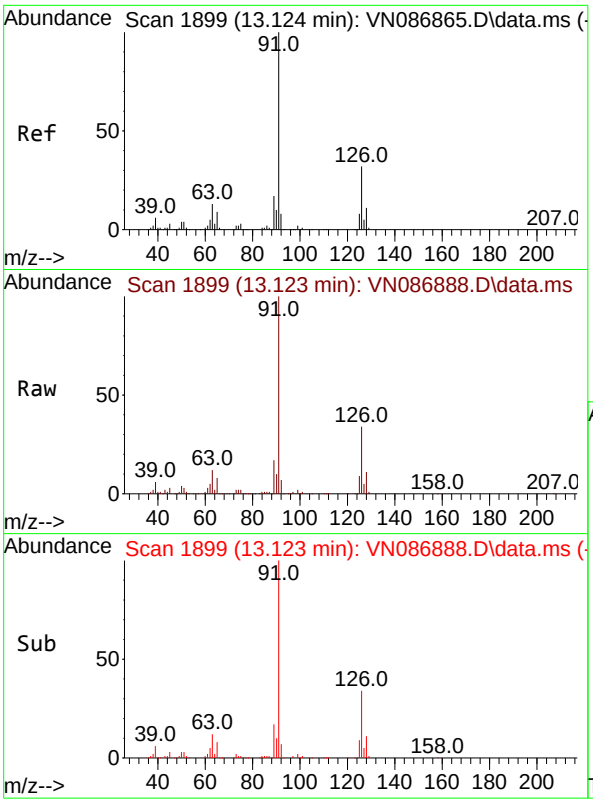


#78
n-propylbenzene
Concen: 49.835 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 787597

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.4	34.2



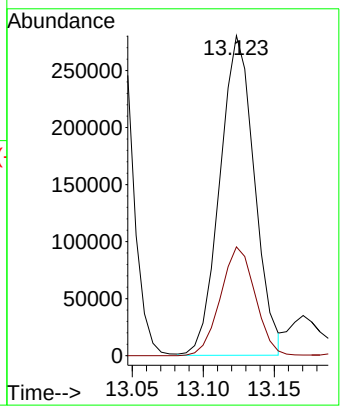


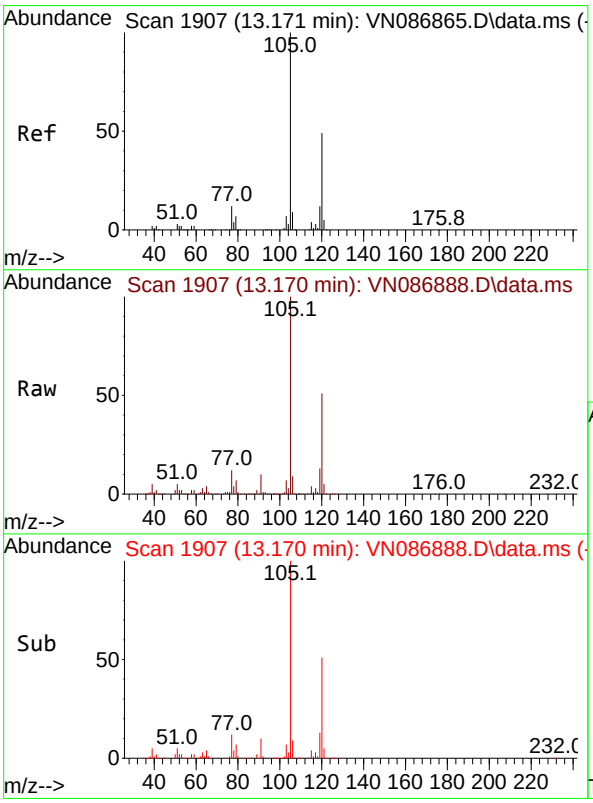
#79
2-Chlorotoluene
Concen: 50.223 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 476012

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.2	48.5

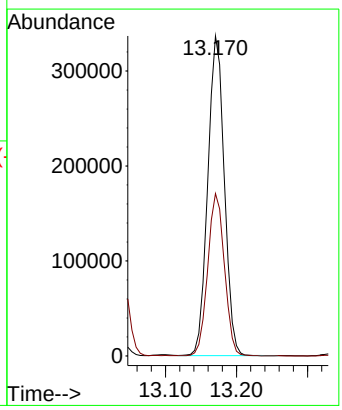


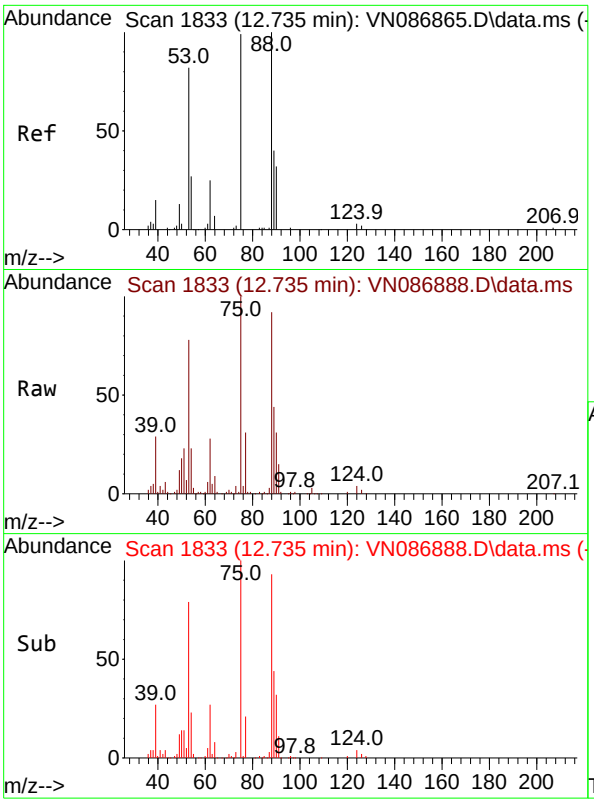


#80
1,3,5-Trimethylbenzene
Concen: 50.722 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:105 Resp: 544603

Ion	Ratio	Lower	Upper
105	100		
120	51.3	24.9	74.6



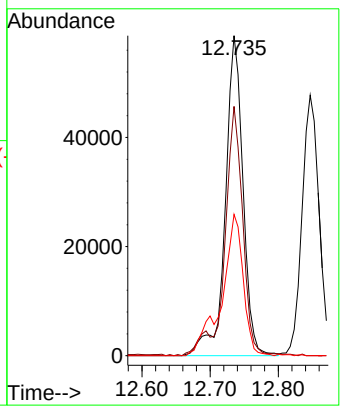


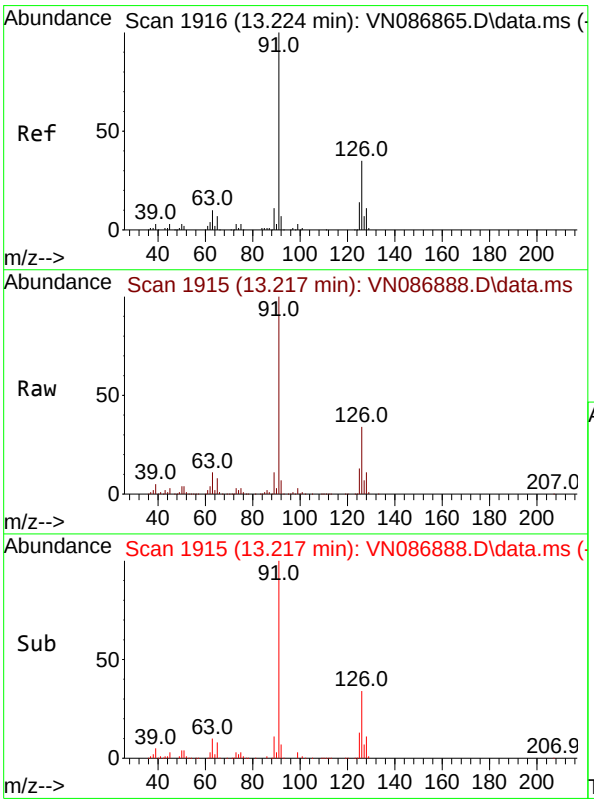
#81
trans-1,4-Dichloro-2-butene
Concen: 57.553 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 106090

Ion	Ratio	Lower	Upper
75	100		
53	73.7	66.6	99.8
89	53.6	36.7	55.1

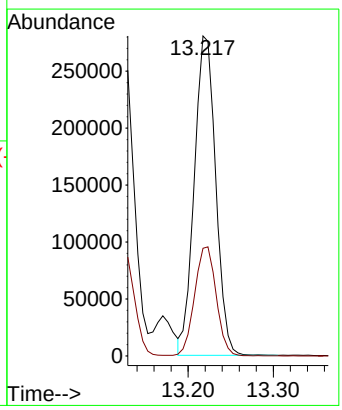


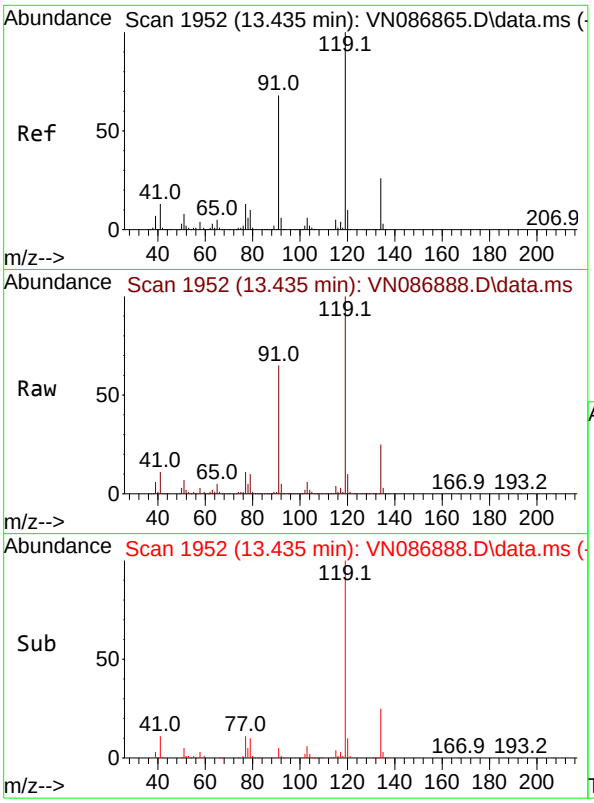


#82
4-Chlorotoluene
Concen: 50.946 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 91 Resp: 488581

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.7	50.1



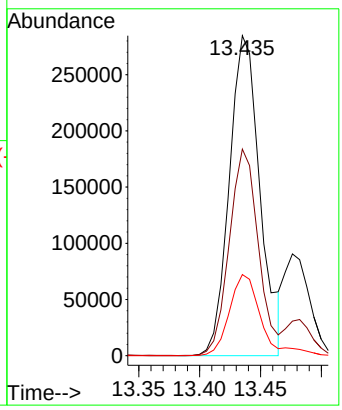


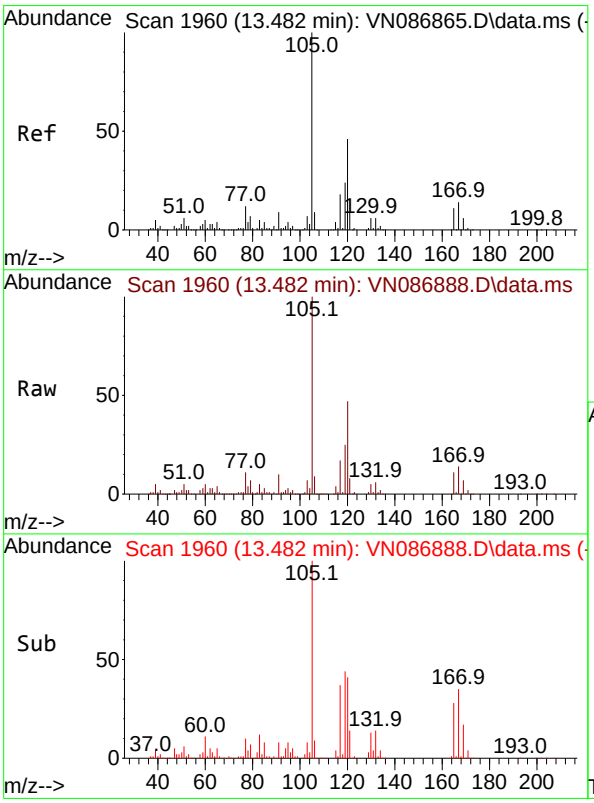
#83
tert-Butylbenzene
Concen: 50.830 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 499574

Ion	Ratio	Lower	Upper
119	100		
91	61.1	32.1	96.5
134	26.2	13.4	40.1

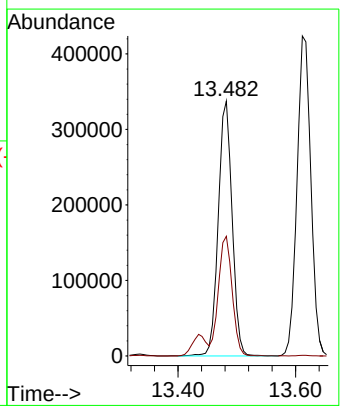


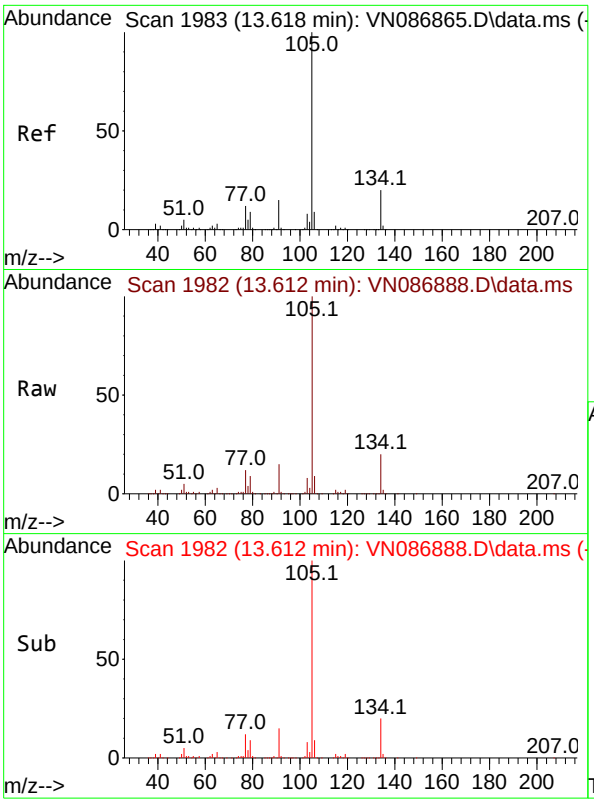


#84
1,2,4-Trimethylbenzene
Concen: 51.368 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:105 Resp: 553058

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



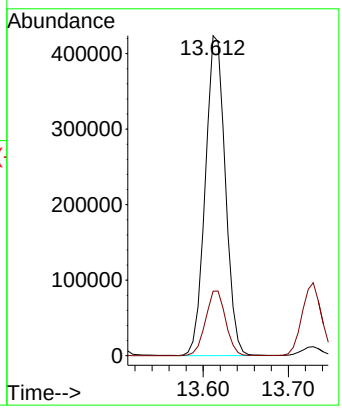


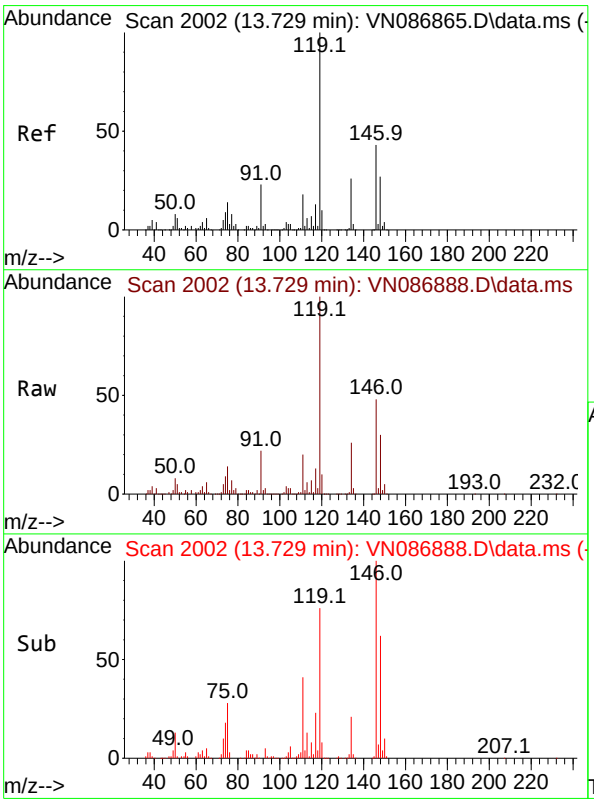
#85
sec-Butylbenzene
Concen: 48.470 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 691815

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

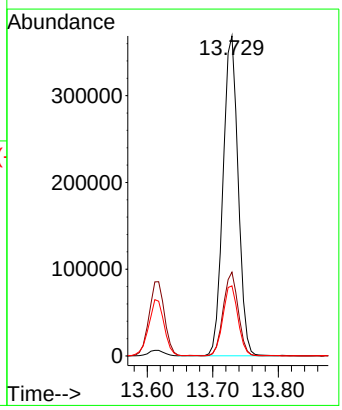


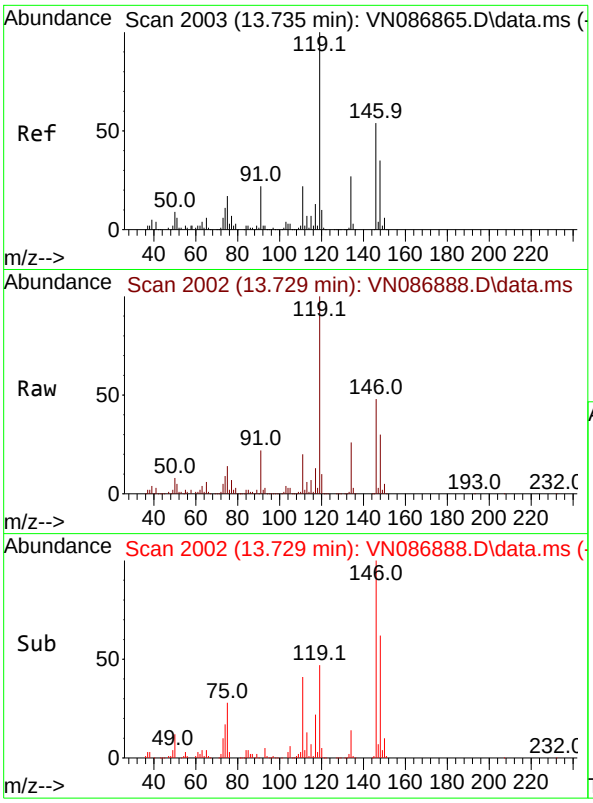


#86
p-Isopropyltoluene
Concen: 49.859 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:119 Resp: 588262

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.5	40.4
91	22.1	11.5	34.4



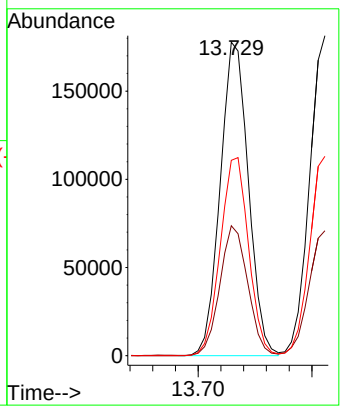


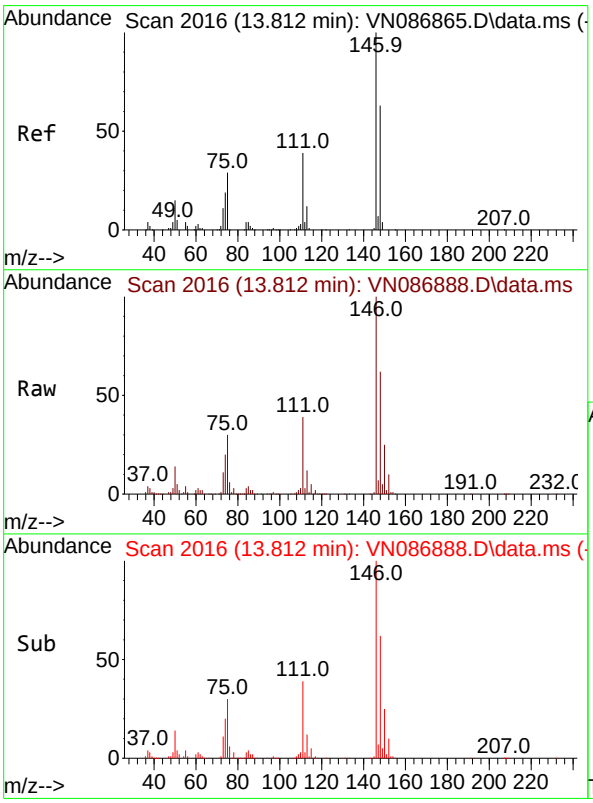
#87
1,3-Dichlorobenzene
Concen: 52.181 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 306195

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	63.3	32.0	96.2

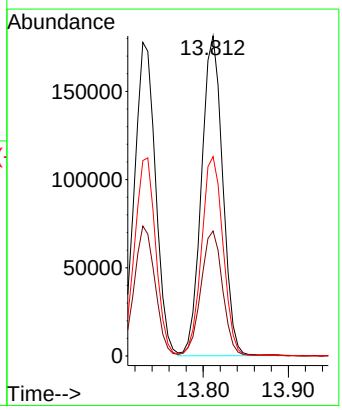


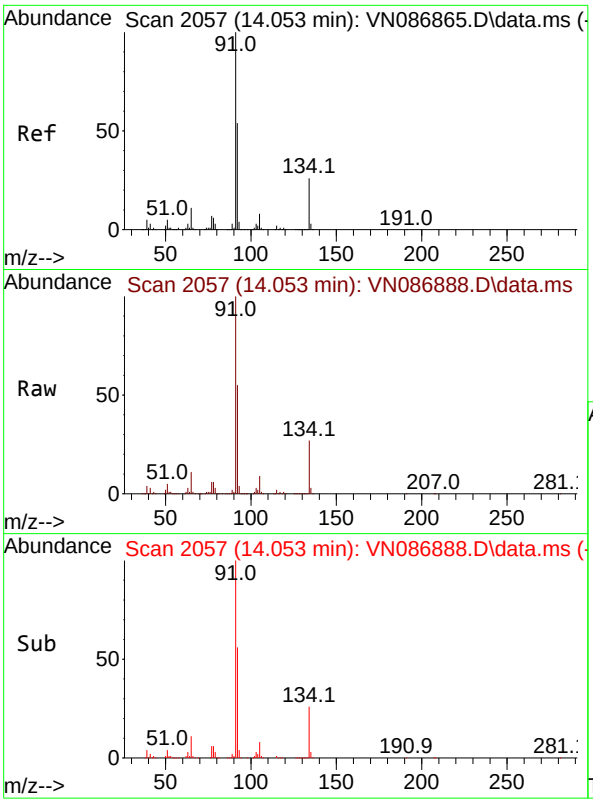


#88
1,4-Dichlorobenzene
Concen: 52.364 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:146 Resp: 313266

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.3	31.8	95.4



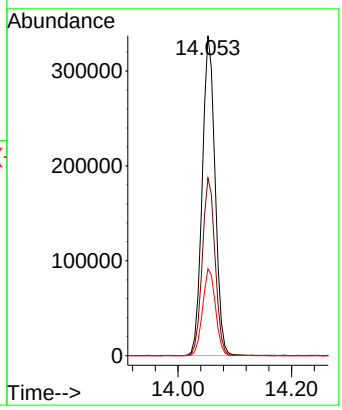


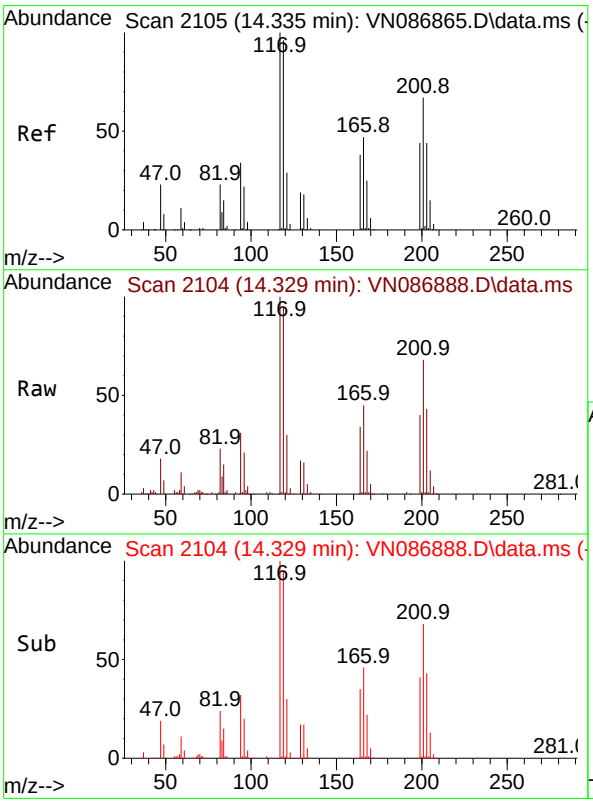
#89
n-Butylbenzene
Concen: 46.003 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 525720

Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.5	82.4
134	27.4	13.0	39.0

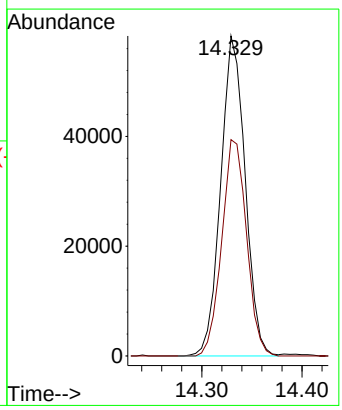


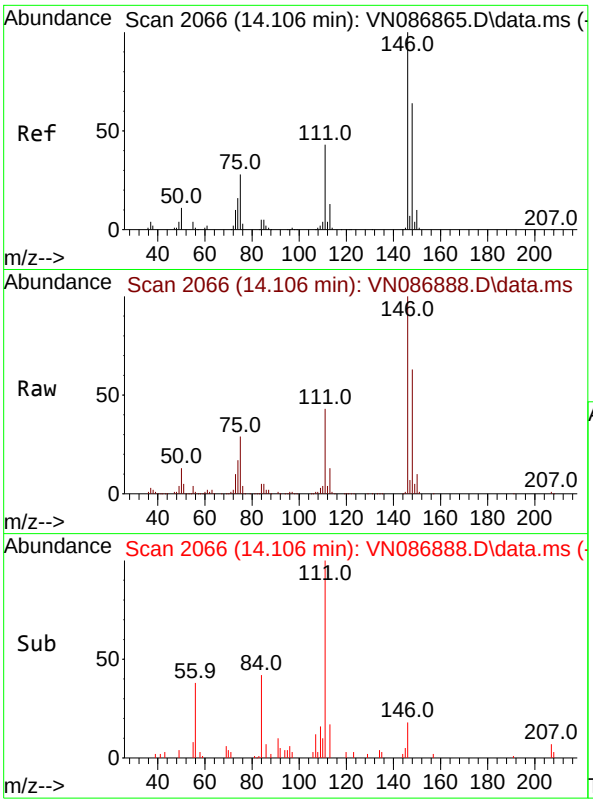


#90
Hexachloroethane
Concen: 49.322 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:117 Resp: 98638

Ion	Ratio	Lower	Upper
117	100		
201	68.6	33.2	99.6



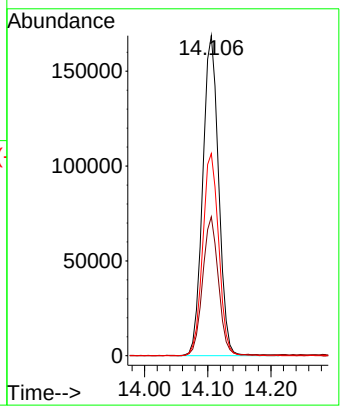


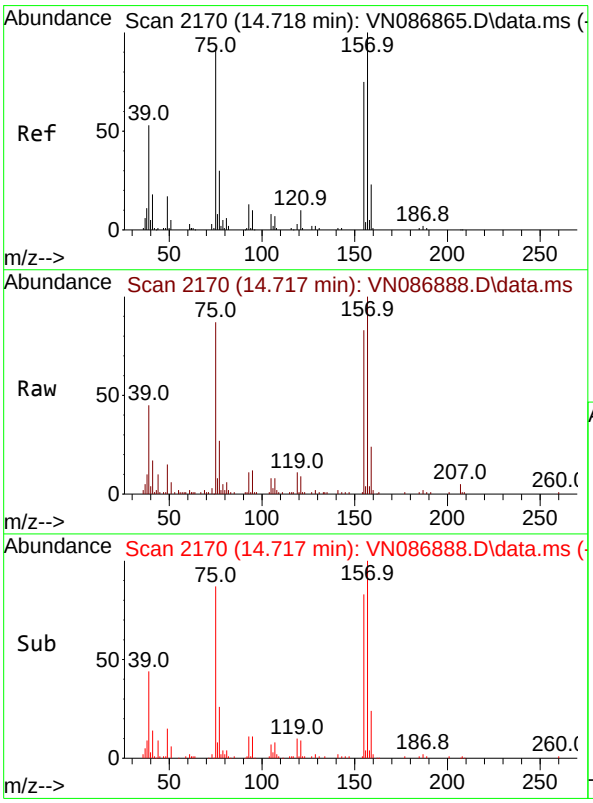
#91
1,2-Dichlorobenzene
Concen: 52.195 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 294253

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.6
148	63.6	31.7	95.1

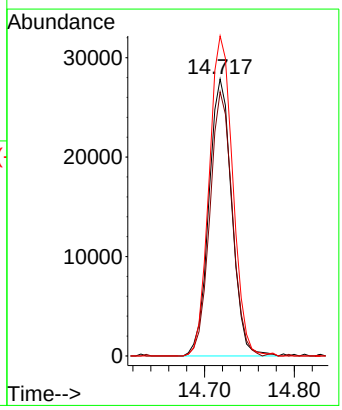


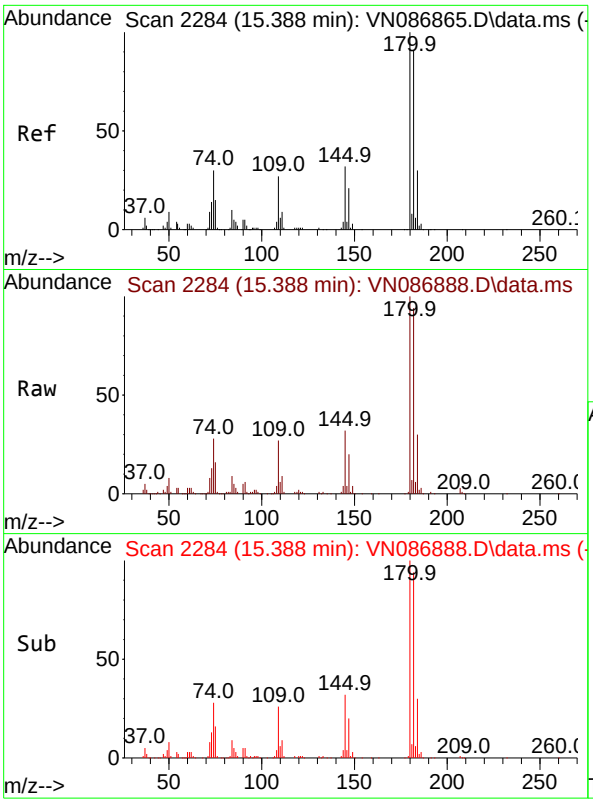


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.847 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion: 75 Resp: 49360

Ion	Ratio	Lower	Upper
75	100		
155	93.3	41.1	123.4
157	119.3	52.7	158.1



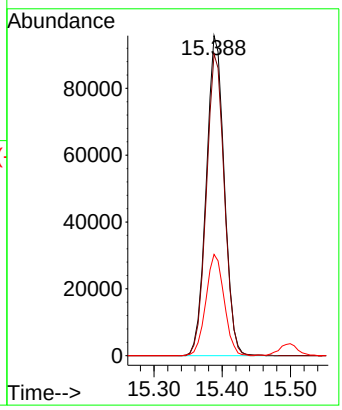


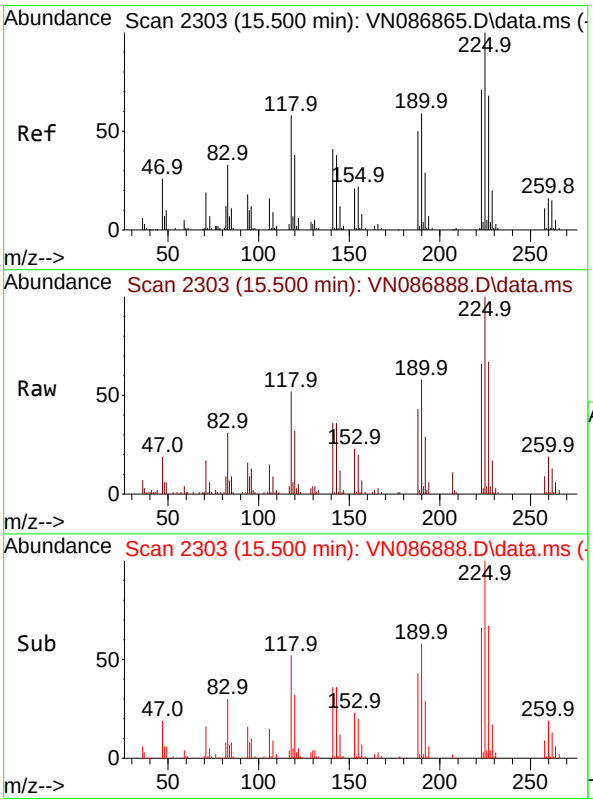
#93
1,2,4-Trichlorobenzene
Concen: 48.814 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 175725

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.7
145	32.2	16.0	47.9

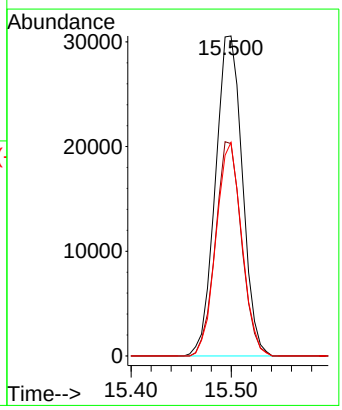


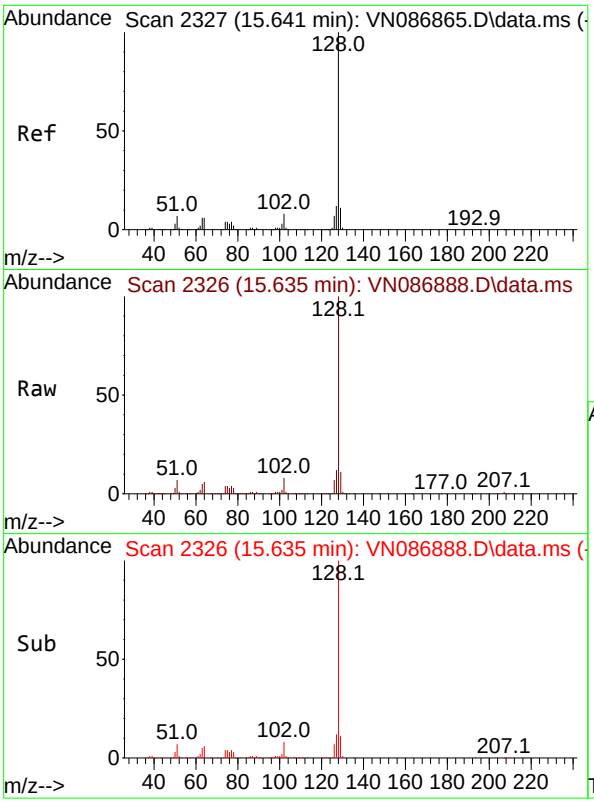


#94
Hexachlorobutadiene
Concen: 42.652 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:225 Resp: 57205

Ion	Ratio	Lower	Upper
225	100		
223	64.6	33.5	100.4
227	63.5	31.1	93.5



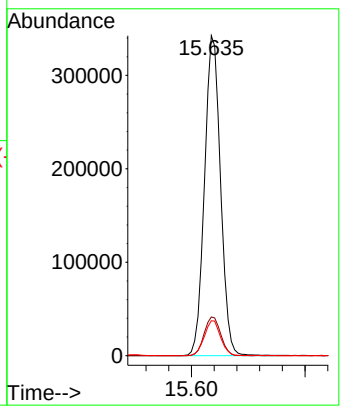


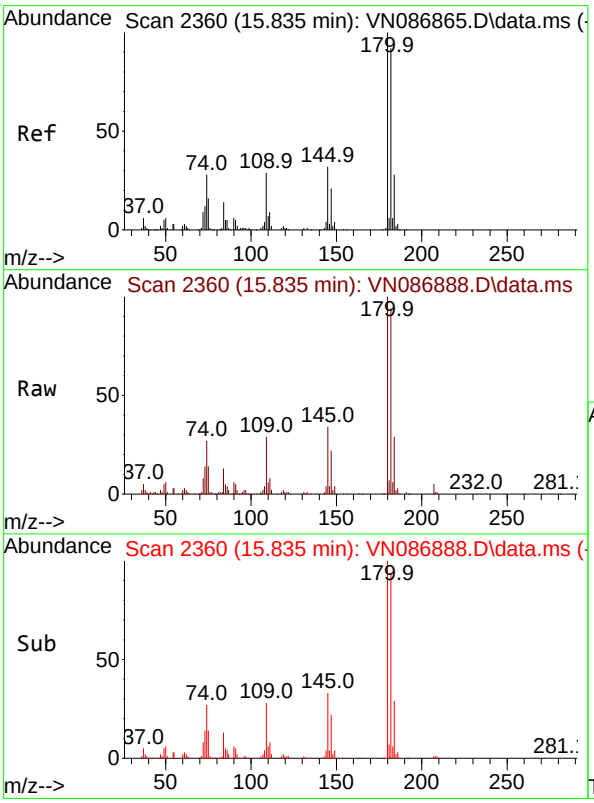
#95
Naphthalene
Concen: 49.854 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 668022

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.1	8.8	13.2

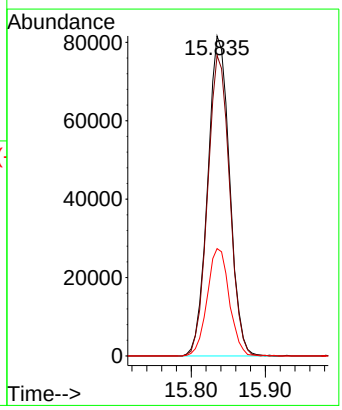




#96
1,2,3-Trichlorobenzene
Concen: 46.816 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086888.D
Acq: 09 Jun 2025 08:37

Tgt Ion:180 Resp: 167447

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.8	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	266986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	481053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202389	56.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	8.177	113	166951	58.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.120%			
50) Toluene-d8	10.565	98	622867	55.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.380%			
62) 4-Bromofluorobenzene	12.847	95	233615	55.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	51523	19.355	ug/l	100
3) Chloromethane	2.395	50	57302	16.670	ug/l	98
4) Vinyl Chloride	2.554	62	64913	18.306	ug/l	96
5) Bromomethane	2.995	94	41012	20.668	ug/l	100
6) Chloroethane	3.159	64	44644	19.491	ug/l	99
7) Trichlorofluoromethane	3.530	101	89135	19.239	ug/l	99
8) Diethyl Ether	3.983	74	46365	22.969	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	55767	19.159	ug/l	96
10) Methyl Iodide	4.612	142	67793	17.967	ug/l	95
11) Tert butyl alcohol	5.536	59	102670	105.851	ug/l	98
12) 1,1-Dichloroethene	4.365	96	59847	20.139	ug/l	93
13) Acrolein	4.200	56	29042	94.593	ug/l	99
14) Allyl chloride	5.048	41	88856	18.030	ug/l	97
15) Acrylonitrile	5.736	53	249150	109.898	ug/l	99
16) Acetone	4.448	43	186059	98.150	ug/l	99
17) Carbon Disulfide	4.736	76	147605	17.957	ug/l	99
18) Methyl Acetate	5.042	43	119428	21.619	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	246789	22.937	ug/l	99
20) Methylene Chloride	5.295	84	72770	20.504	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	64982	19.655	ug/l	93
22) Diisopropyl ether	6.683	45	213617	20.563	ug/l	97
23) Vinyl Acetate	6.618	43	935448	106.579	ug/l	97
24) 1,1-Dichloroethane	6.583	63	118296	19.787	ug/l	98
25) 2-Butanone	7.489	43	315151	102.277	ug/l	98
26) 2,2-Dichloropropane	7.500	77	97539	20.974	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	83955	21.233	ug/l	96
28) Bromochloromethane	7.824	49	63228	21.510	ug/l	91
29) Tetrahydrofuran	7.847	42	210156	104.697	ug/l	94
30) Chloroform	7.977	83	119528	20.020	ug/l	100
31) Cyclohexane	8.265	56	99106	17.094	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	98672	19.432	ug/l	93
36) 1,1-Dichloropropene	8.377	75	82550	19.433	ug/l	99
37) Ethyl Acetate	7.571	43	118150	21.848	ug/l	98
38) Carbon Tetrachloride	8.365	117	80592	19.324	ug/l	96
39) Methylcyclohexane	9.606	83	99387	17.077	ug/l	96
40) Benzene	8.612	78	281242	20.246	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	63106	20.779	ug/l		93
42) 1,2-Dichloroethane	8.677	62	89967	21.353	ug/l		98
43) Isopropyl Acetate	8.694	43	184375	21.243	ug/l		96
44) Trichloroethene	9.353	130	68709	20.860	ug/l		94
45) 1,2-Dichloropropane	9.624	63	70359	20.819	ug/l		97
46) Dibromomethane	9.712	93	50518	22.505	ug/l		97
47) Bromodichloromethane	9.888	83	97765	21.168	ug/l		94
48) Methyl methacrylate	9.682	41	82557	20.666	ug/l		94
49) 1,4-Dioxane	9.700	88	34752	478.183	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	573654	109.788	ug/l		97
52) Toluene	10.629	92	186254	21.940	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	116115	22.484	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	121569	22.000	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	74365	22.766	ug/l		95
56) Ethyl methacrylate	10.882	69	125687	24.158	ug/l		93
57) 1,3-Dichloropropane	11.165	76	125890	22.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	349023	112.472	ug/l		97
59) 2-Hexanone	11.200	43	368271	109.420	ug/l		91
60) Dibromochloromethane	11.359	129	77533	22.781	ug/l		100
61) 1,2-Dibromoethane	11.471	107	76919	22.974	ug/l		98
64) Tetrachloroethene	11.106	164	52176	19.514	ug/l		97
65) Chlorobenzene	11.888	112	195119	20.940	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	65205	21.769	ug/l		98
67) Ethyl Benzene	11.965	91	317590	19.787	ug/l		99
68) m/p-Xylenes	12.071	106	251284	40.899	ug/l		97
69) o-Xylene	12.394	106	122737	20.858	ug/l		99
70) Styrene	12.412	104	213765	21.229	ug/l		99
71) Bromoform	12.582	173	52554	23.680	ug/l	#	99
73) Isopropylbenzene	12.694	105	293400	19.921	ug/l		99
74) N-amyl acetate	12.523	43	117821	22.893	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	116789	23.407	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	155522	32.362	ug/l		67
77) Bromobenzene	12.976	156	76143	22.543	ug/l		100
78) n-propylbenzene	13.035	91	346865	19.379	ug/l		99
79) 2-Chlorotoluene	13.123	91	216311	20.152	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	244158	20.079	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	51065	24.461	ug/l		90
82) 4-Chlorotoluene	13.218	91	219687	20.227	ug/l		98
83) tert-Butylbenzene	13.435	119	221806	19.927	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	248941	20.416	ug/l		100
85) sec-Butylbenzene	13.612	105	303760	18.792	ug/l		99
86) p-Isopropyltoluene	13.729	119	259754	19.440	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	140762	21.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	143075	21.117	ug/l		100
89) n-Butylbenzene	14.053	91	235600	18.204	ug/l		99
90) Hexachloroethane	14.329	117	42184	18.625	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	136855	21.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26513	22.219	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	79356	19.464	ug/l		99
94) Hexachlorobutadiene	15.494	225	27017	17.787	ug/l		99
95) Naphthalene	15.635	128	327594	21.587	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	77458	19.122	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

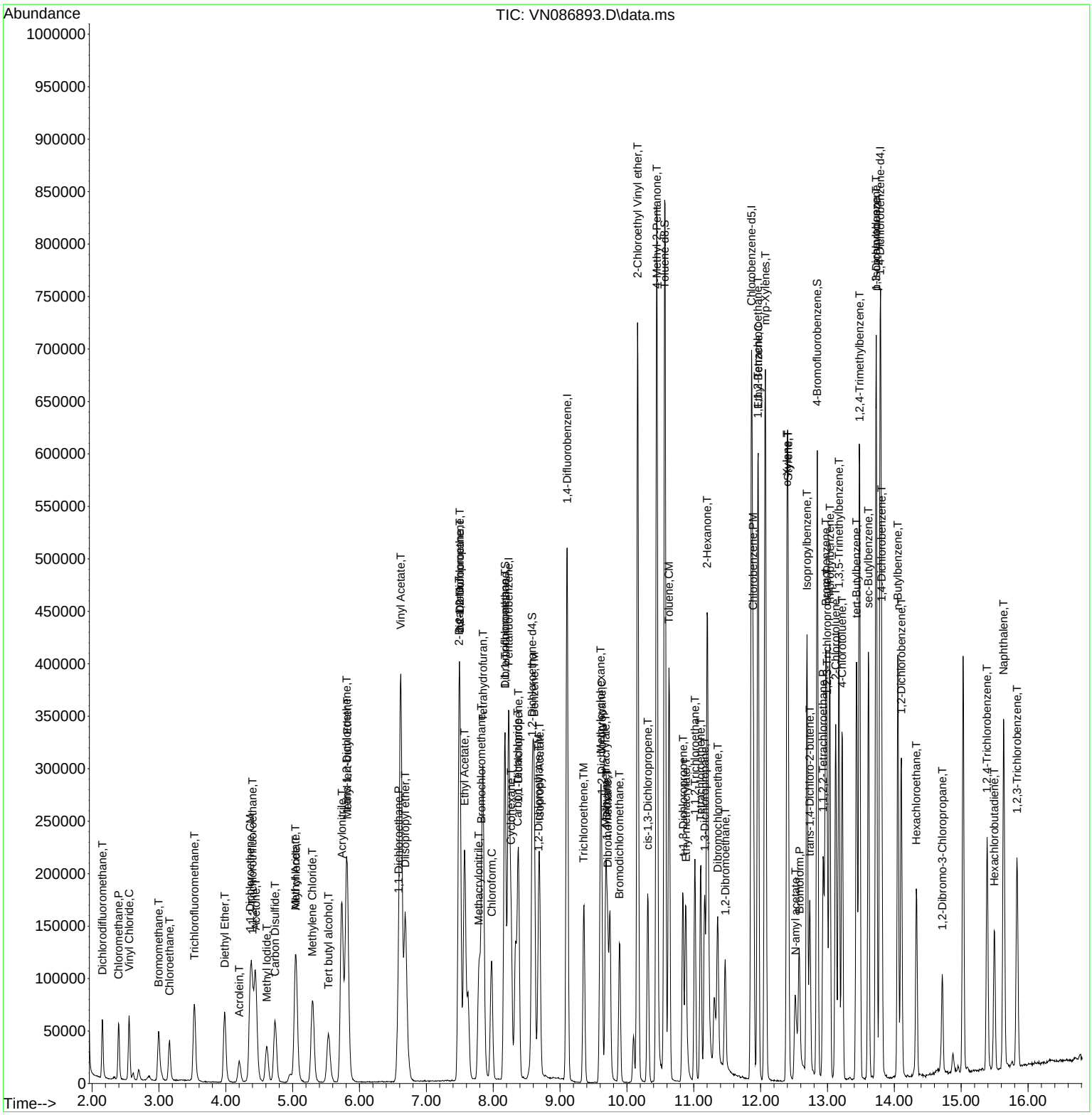
(#) = qualifier out of range (m) = manual integration (+) = signals summed

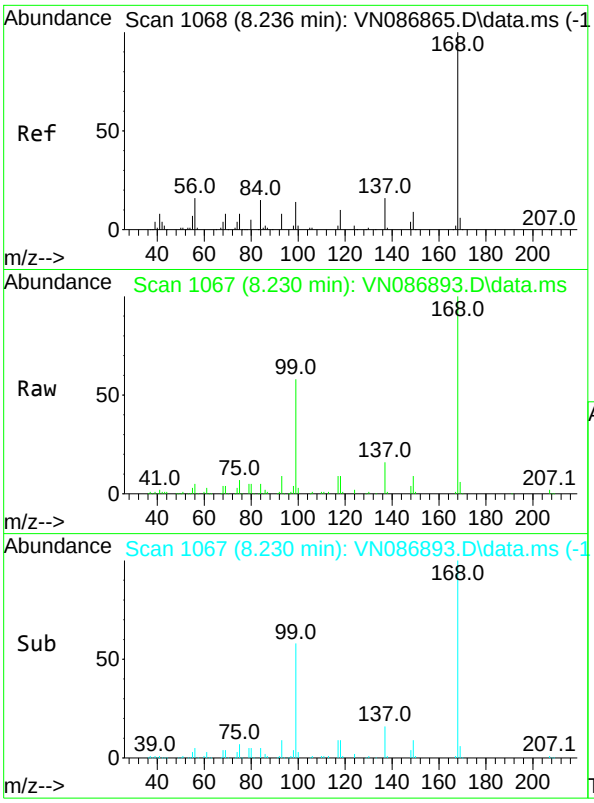
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



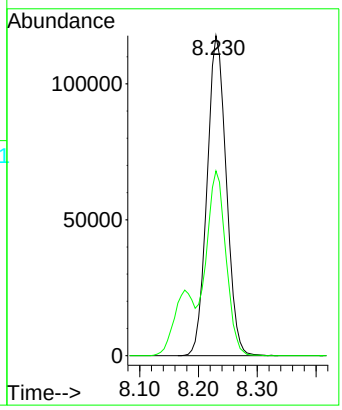


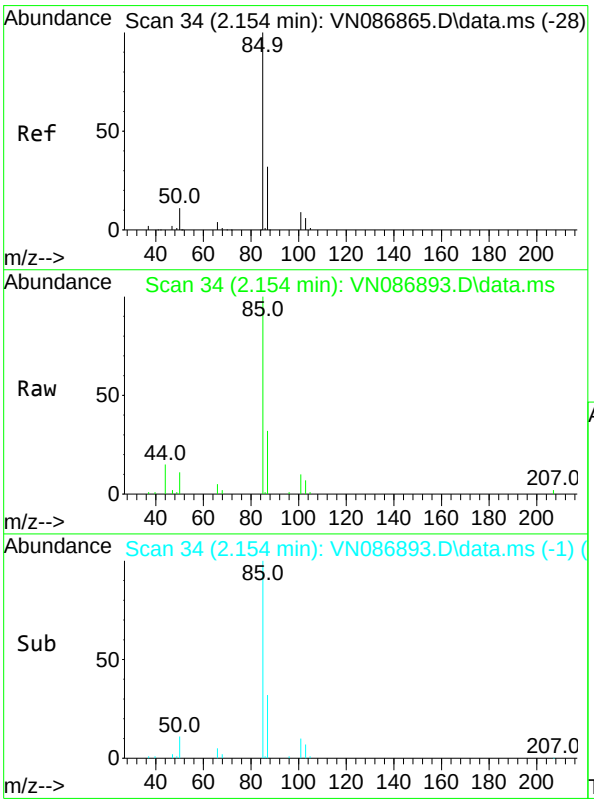
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:168 Resp: 266986

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

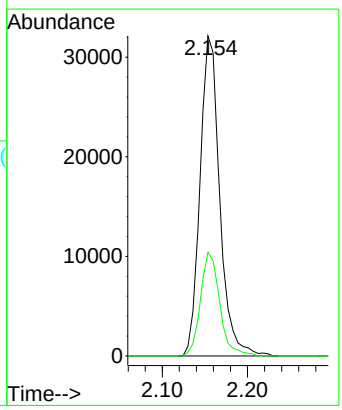


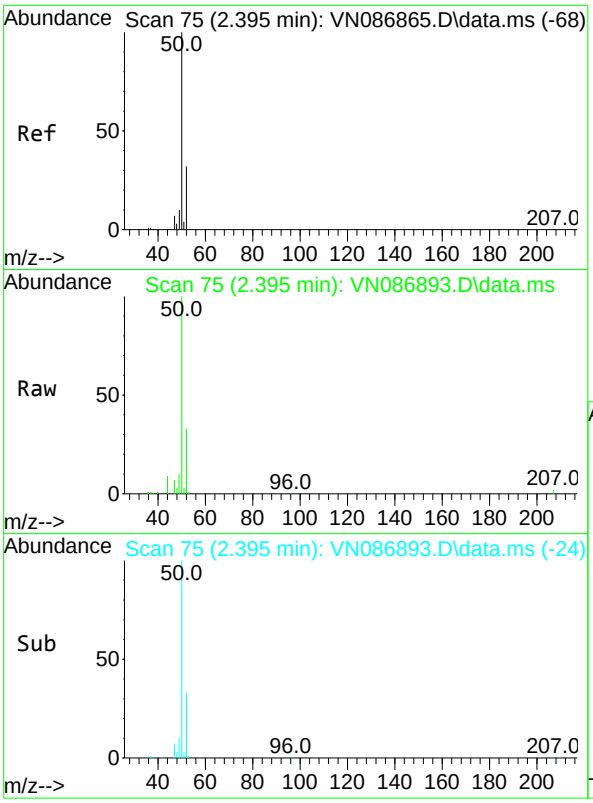


#2
Dichlorodifluoromethane
Concen: 19.355 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 85 Resp: 51523

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6



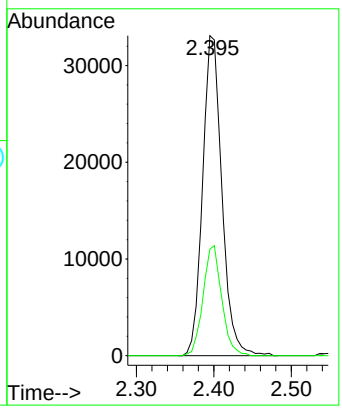


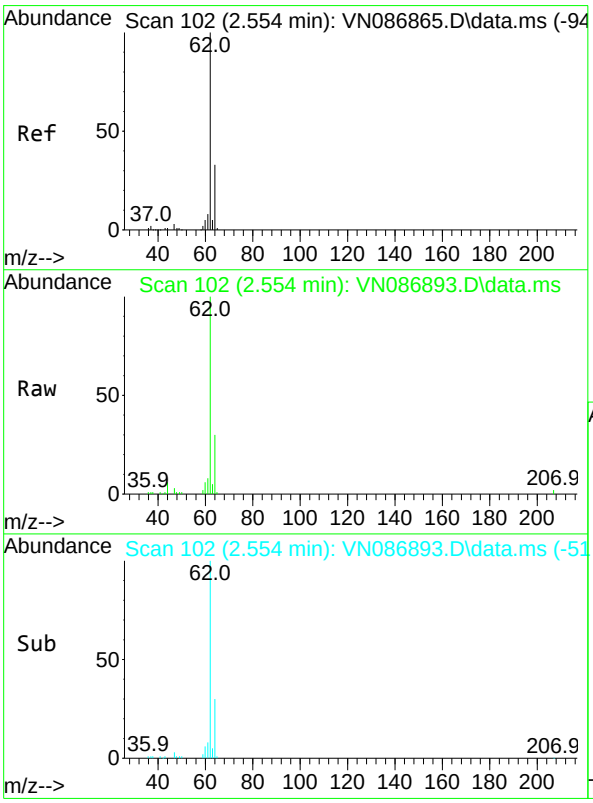
#3
Chloromethane
Concen: 16.670 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 50 Resp: 57302

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.7	38.5

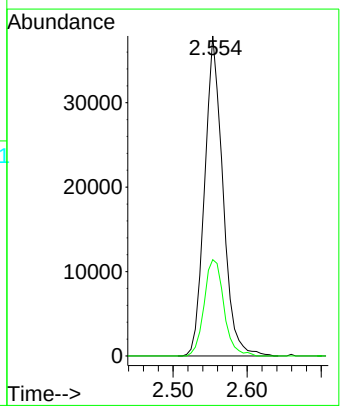


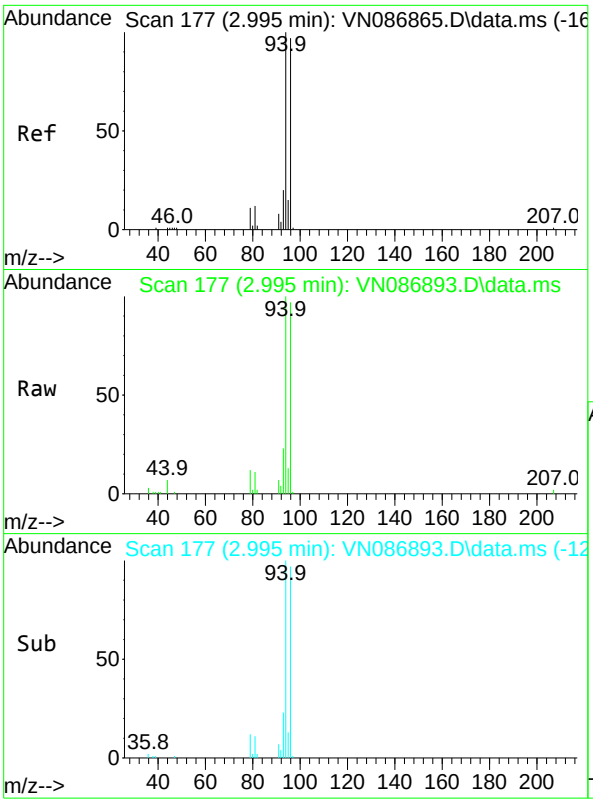


#4
Vinyl Chloride
Concen: 18.306 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 62 Resp: 64913

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.0	39.0



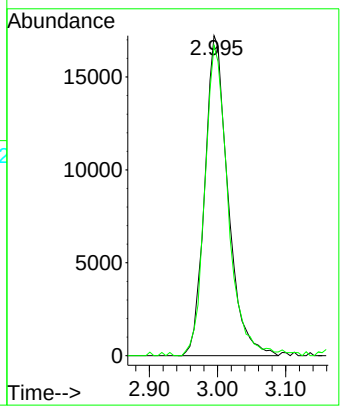


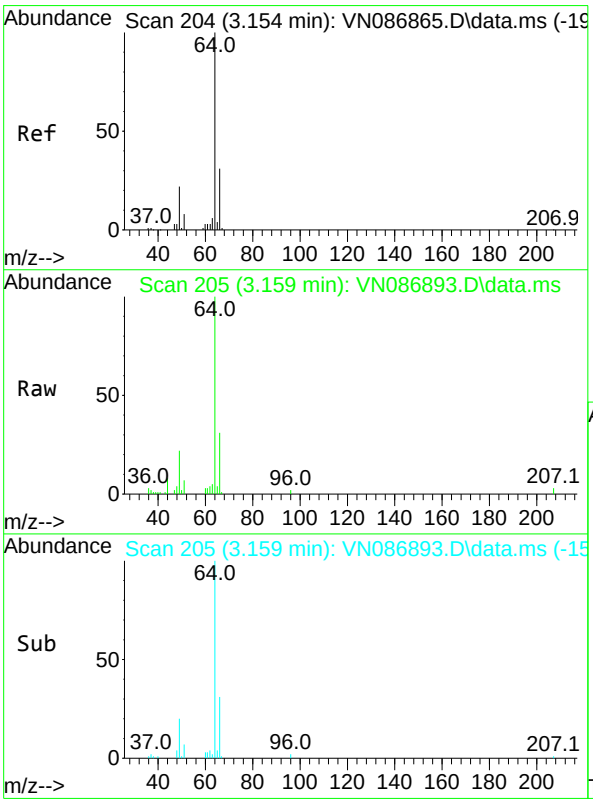
#5
Bromomethane
Concen: 20.668 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 94 Resp: 41012

Ion	Ratio	Lower	Upper
94	100		
96	96.9	77.9	116.9

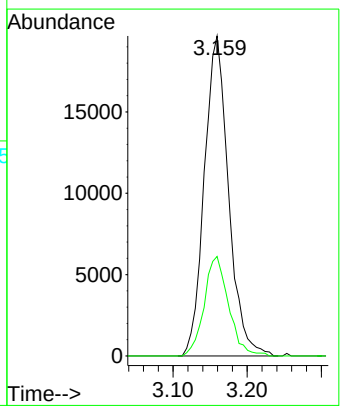


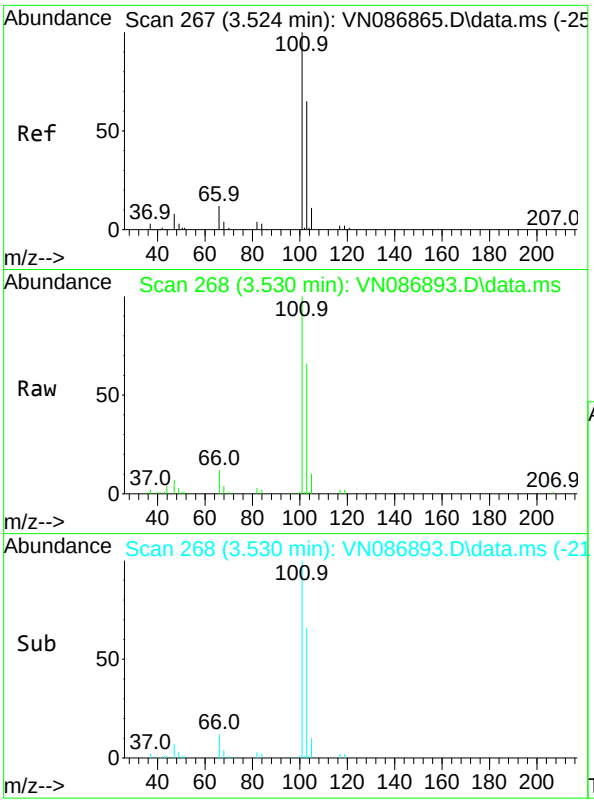


#6
Chloroethane
Concen: 19.491 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 64 Resp: 44644

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.6	36.8



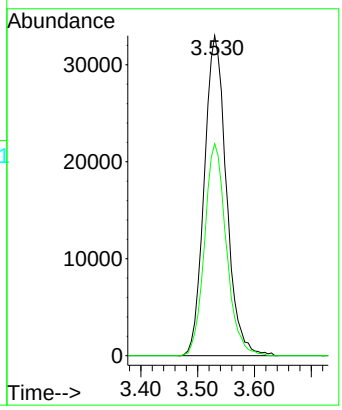


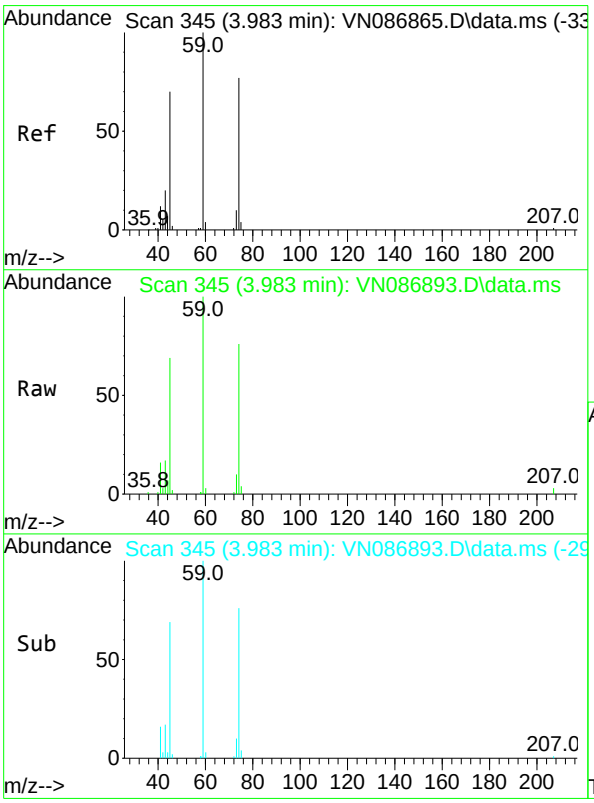
#7
Trichlorofluoromethane
Concen: 19.239 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:101 Resp: 89135

Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.2

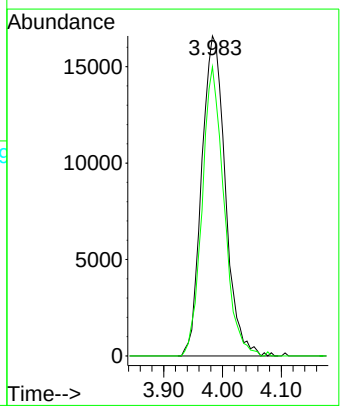


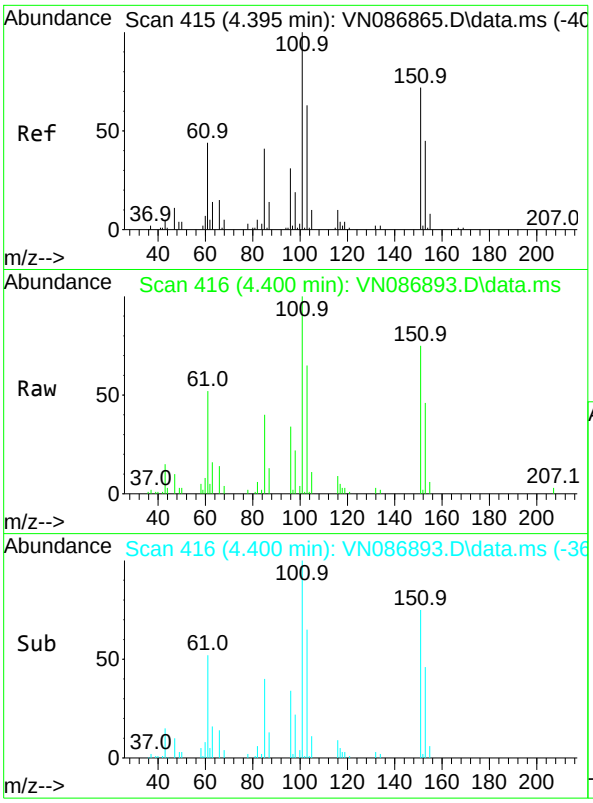


#8
Diethyl Ether
Concen: 22.969 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 74 Resp: 46365

Ion	Ratio	Lower	Upper
74	100		
45	83.5	45.5	136.5



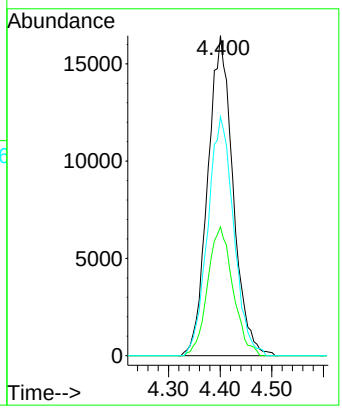


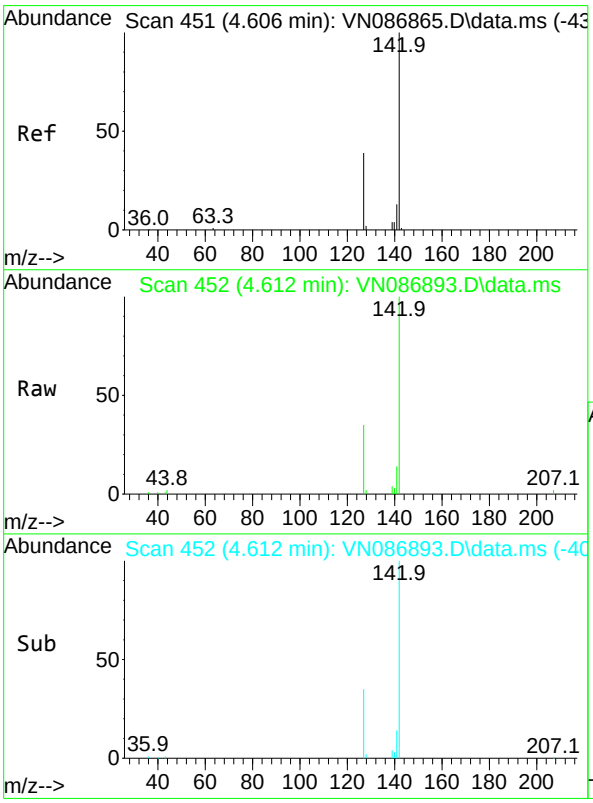
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.159 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:101 Resp: 55767

Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.8	50.8
151	76.7	58.7	88.1

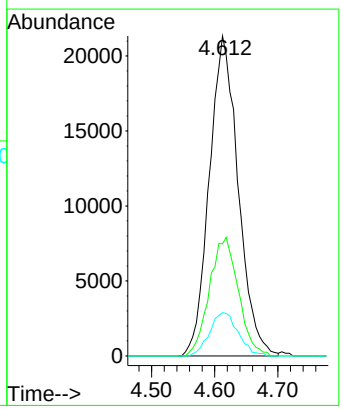


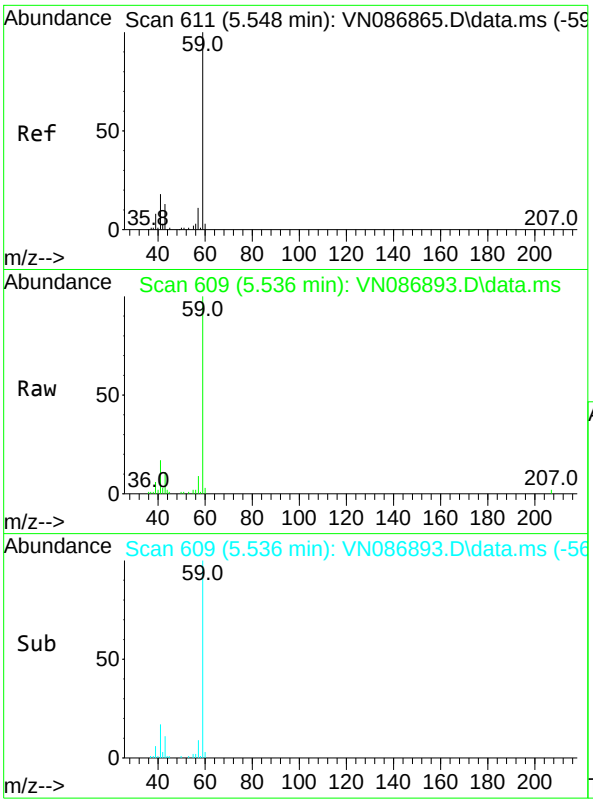


#10
Methyl Iodide
Concen: 17.967 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:142 Resp: 67793

Ion	Ratio	Lower	Upper
142	100		
127	35.0	30.9	46.3
141	13.5	10.4	15.6



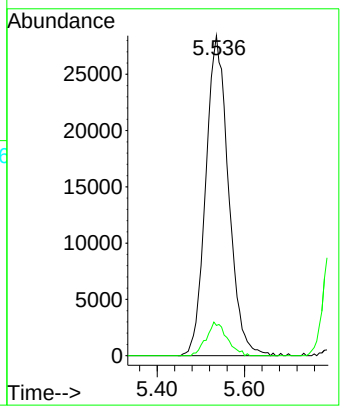


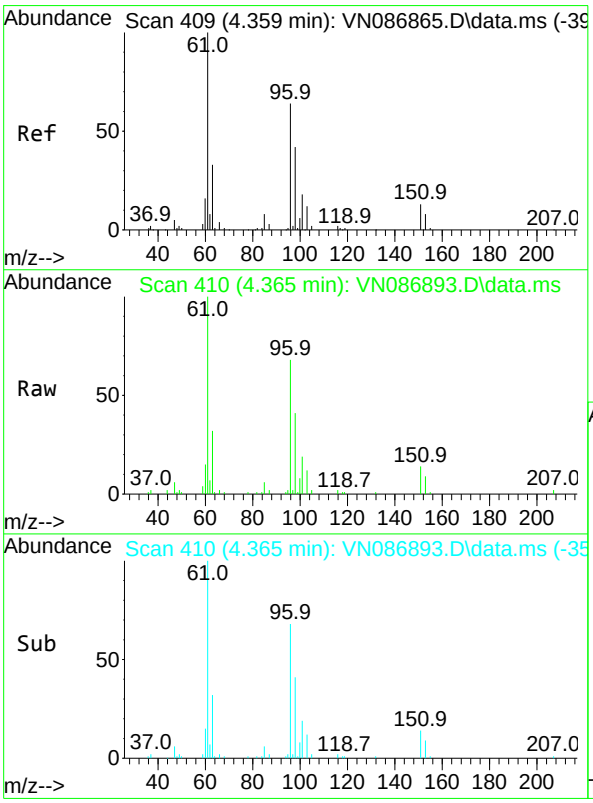
#11
Tert butyl alcohol
Concen: 105.851 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 59 Resp: 102670

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.1	12.1

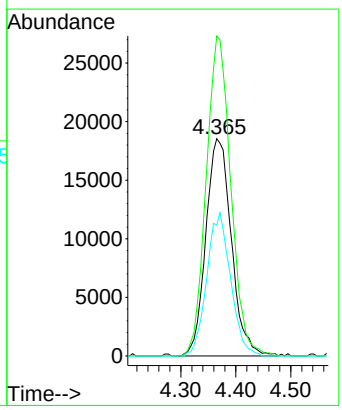


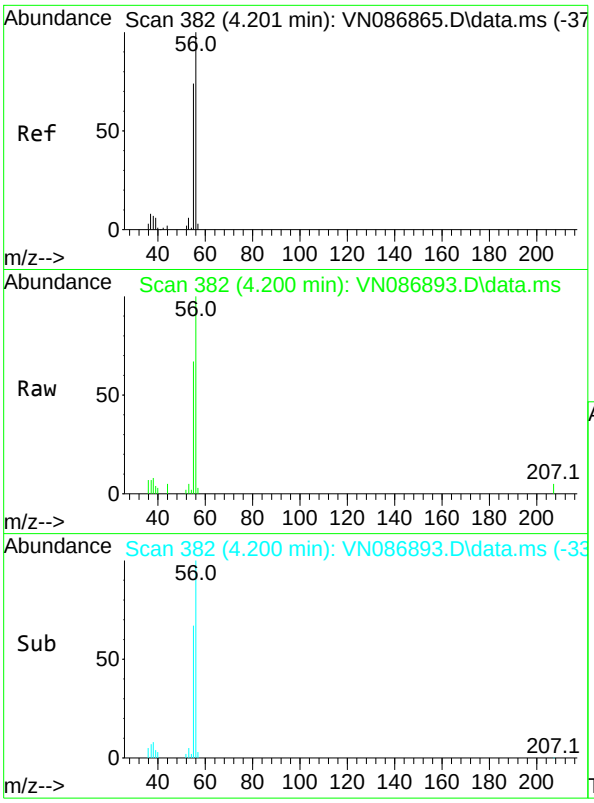


#12
1,1-Dichloroethene
Concen: 20.139 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 96 Resp: 59847

Ion	Ratio	Lower	Upper
96	100		
61	147.3	125.8	188.6
98	60.2	52.5	78.7



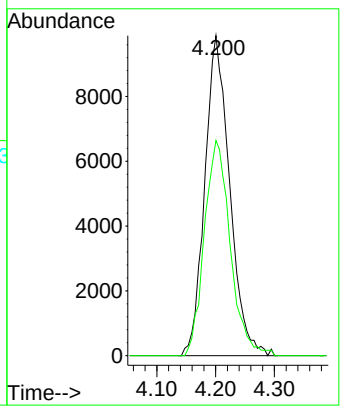


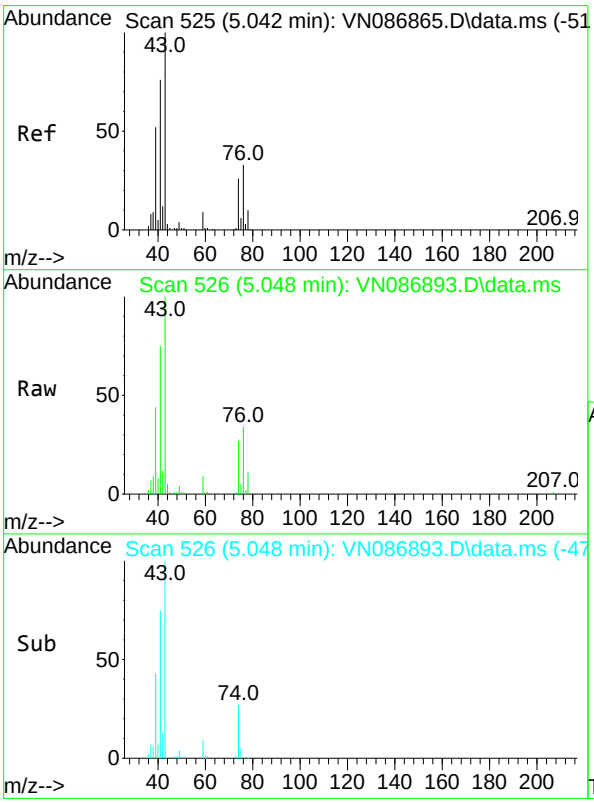
#13
Acrolein
Concen: 94.593 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 56 Resp: 29042

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.6	83.4

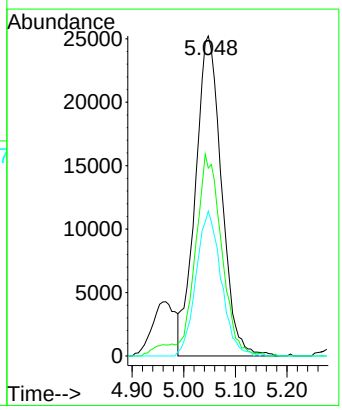


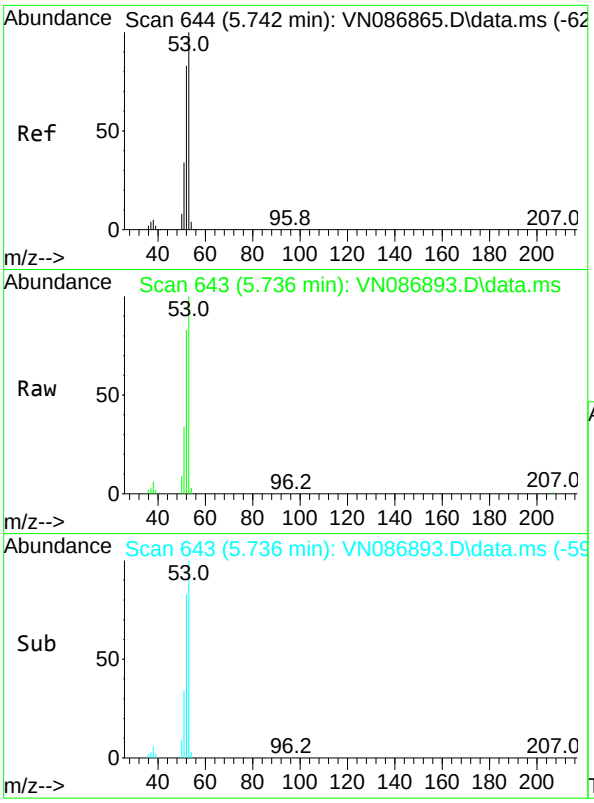


#14
Allyl chloride
Concen: 18.030 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 41 Resp: 88856

Ion	Ratio	Lower	Upper
41	100		
39	65.3	51.3	76.9
76	43.2	31.4	47.0



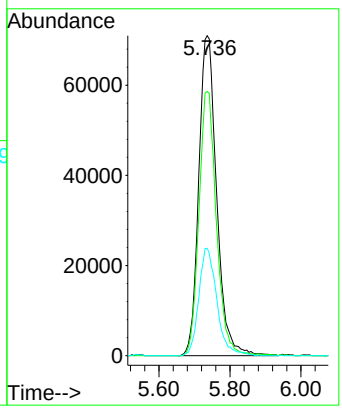


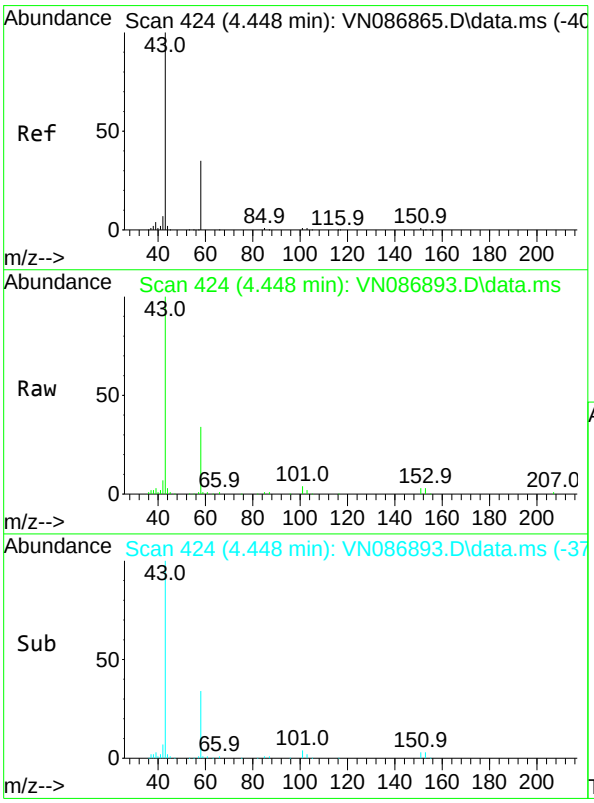
#15
Acrylonitrile
Concen: 109.898 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 53 Resp: 249150

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	34.0	27.2	40.8

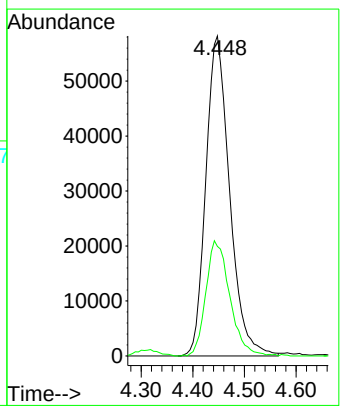


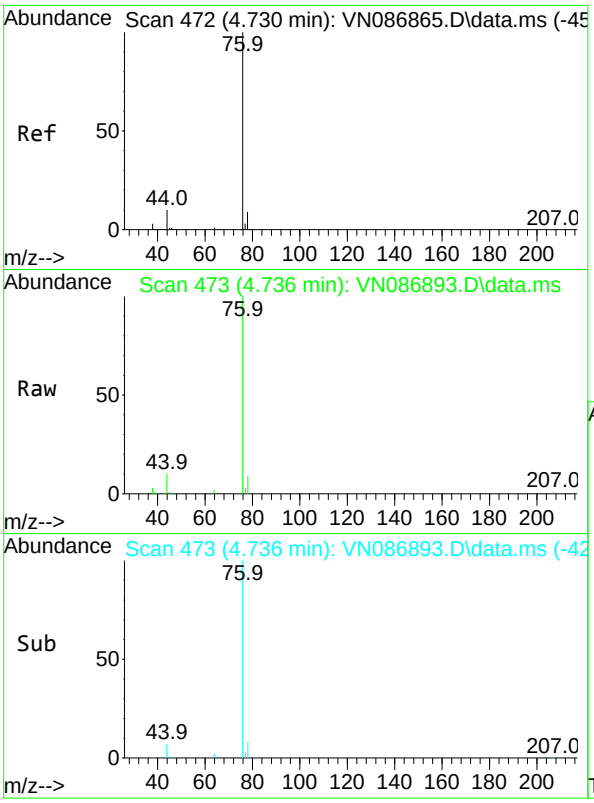


#16
Acetone
Concen: 98.150 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 186059

Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.0	42.0



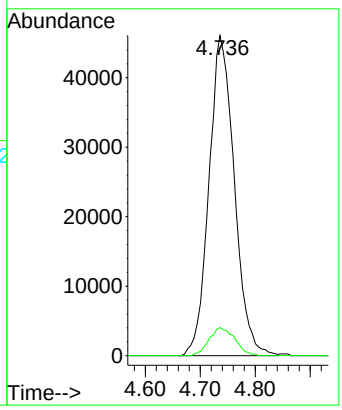


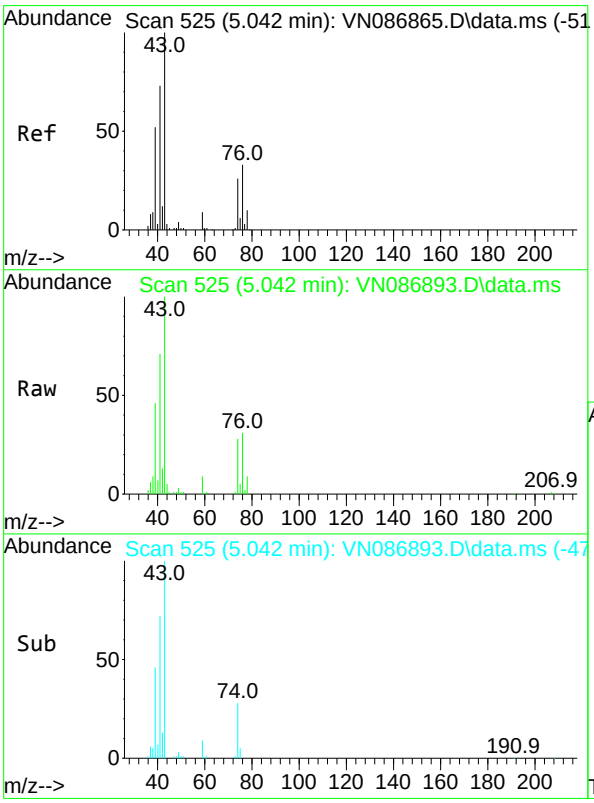
#17
Carbon Disulfide
Concen: 17.957 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 76 Resp: 147605

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

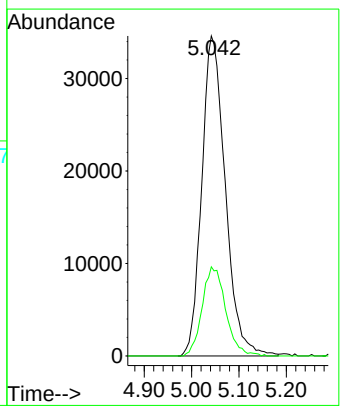


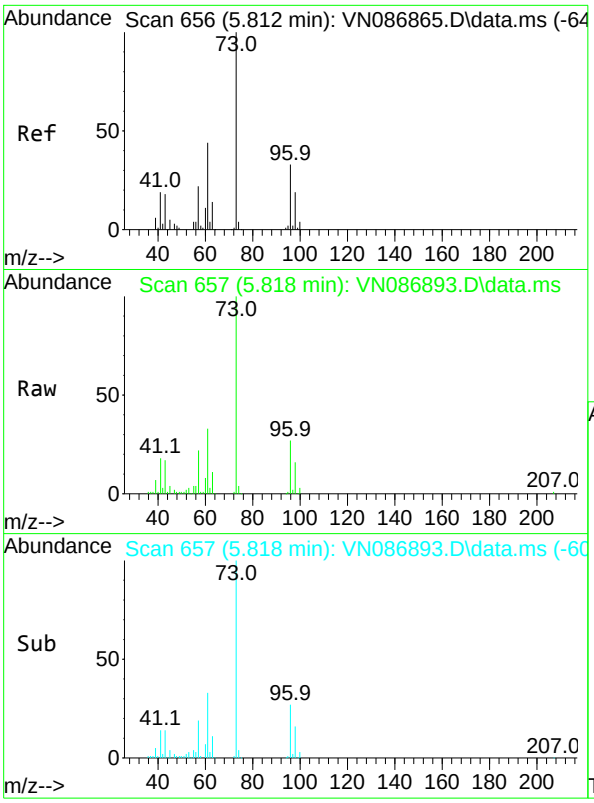


#18
Methyl Acetate
Concen: 21.619 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 119428

Ion	Ratio	Lower	Upper
43	100		
74	27.8	20.7	31.1



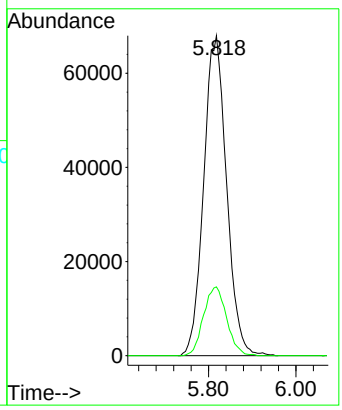


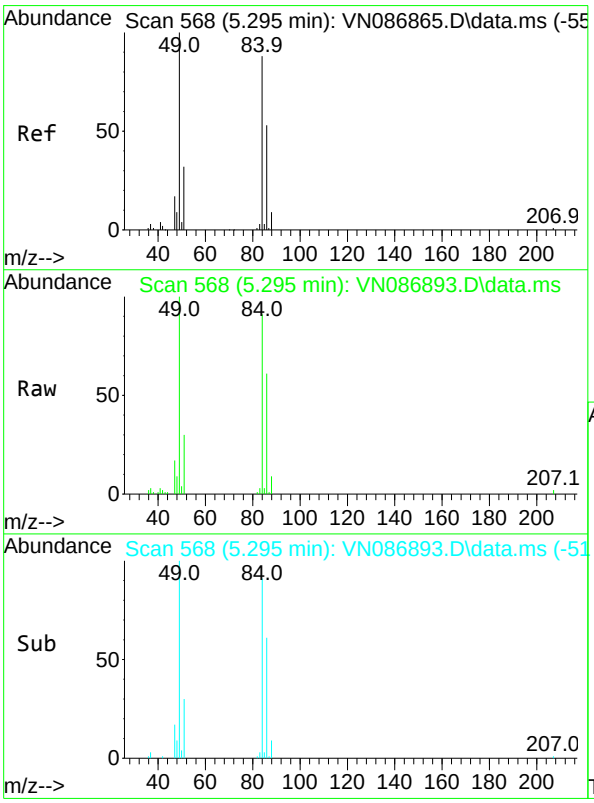
#19
Methyl tert-butyl Ether
Concen: 22.937 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 73 Resp: 246789

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2

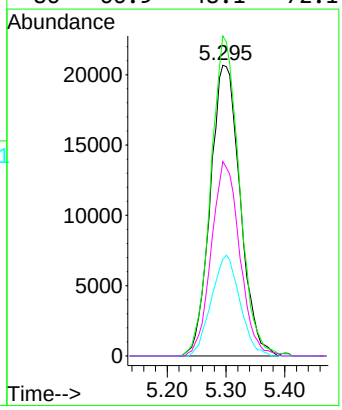


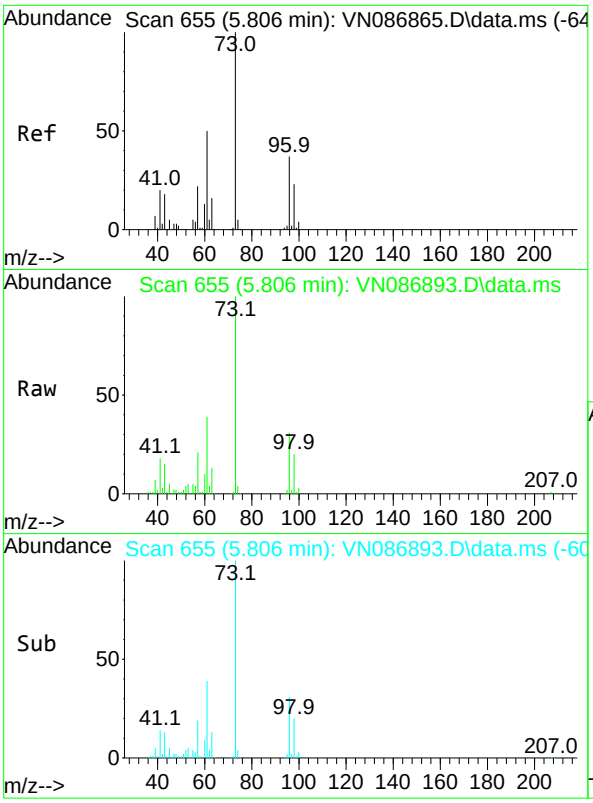


#20
Methylene Chloride
Concen: 20.504 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 84 Resp: 72770

Ion	Ratio	Lower	Upper
84	100		
49	110.1	90.5	135.7
51	33.2	28.5	42.7
86	66.9	48.1	72.1



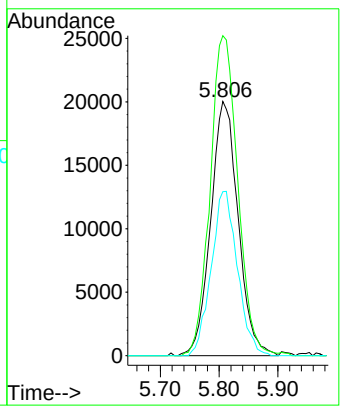


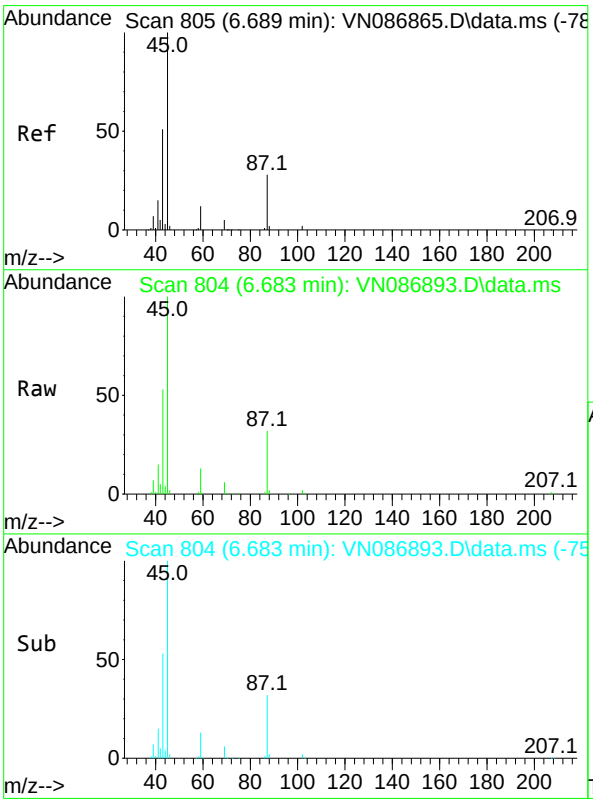
#21
trans-1,2-Dichloroethene
Concen: 19.655 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 96 Resp: 64982

Ion	Ratio	Lower	Upper
96	100		
61	125.9	109.2	163.8
98	64.5	49.8	74.8

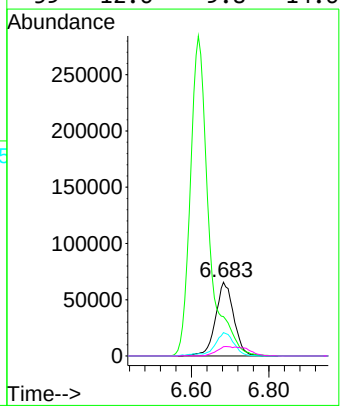


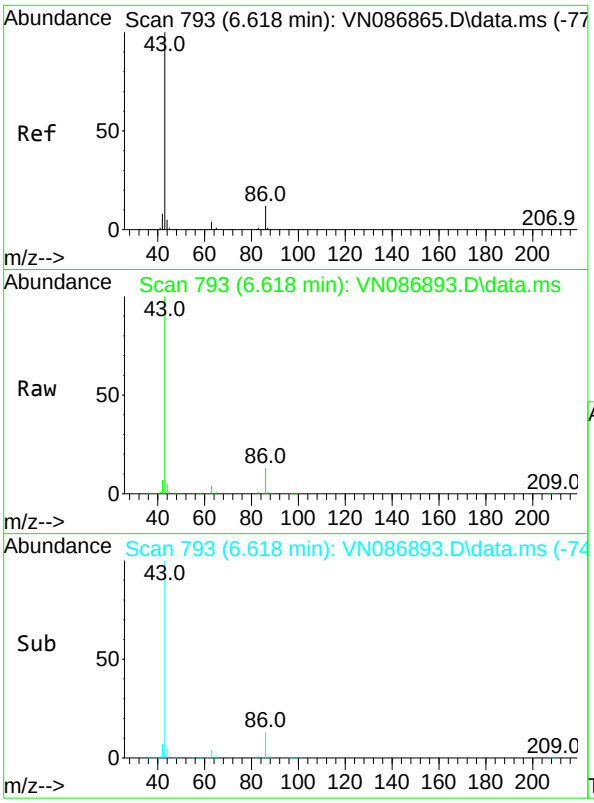


#22
Diisopropyl ether
Concen: 20.563 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 45 Resp: 213617

Ion	Ratio	Lower	Upper
45	100		
43	52.9	41.9	62.9
87	31.7	22.4	33.6
59	12.6	9.8	14.6



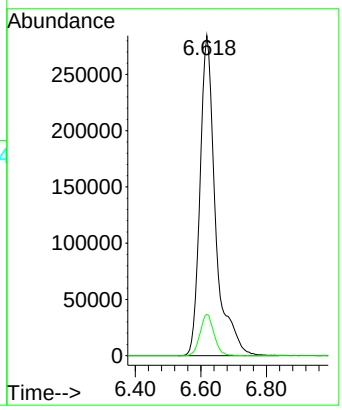


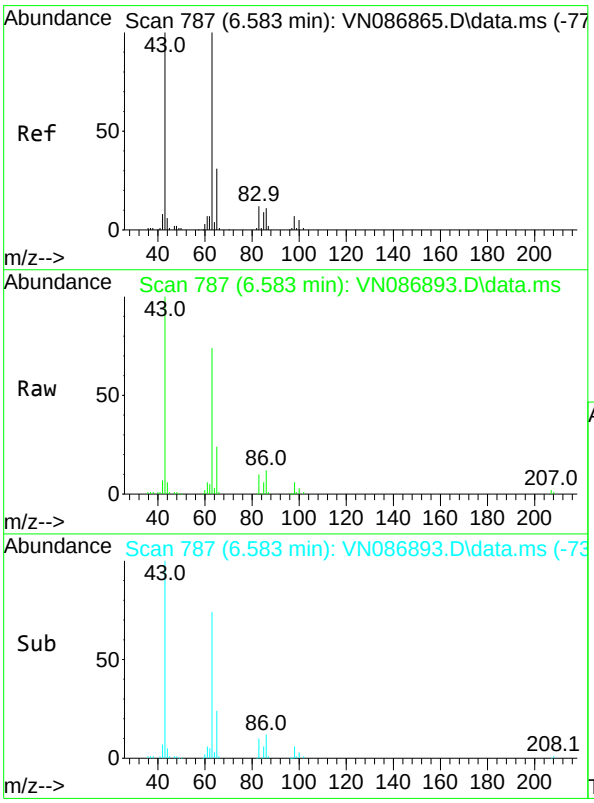
#23
Vinyl Acetate
Concen: 106.579 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 935448

Ion	Ratio	Lower	Upper
43	100		
86	12.9	9.5	14.3

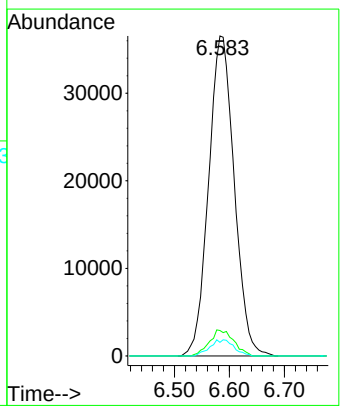


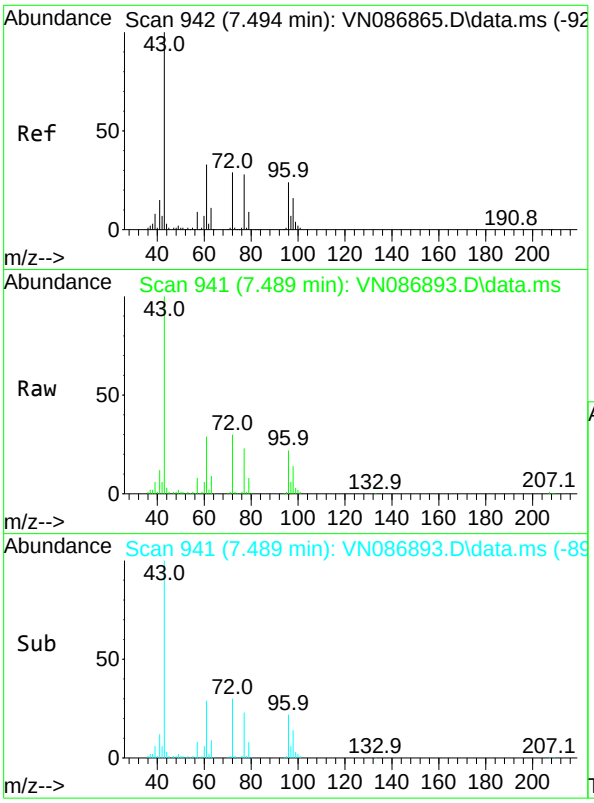


#24
1,1-Dichloroethane
Concen: 19.787 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 63 Resp: 118296

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.6	10.8
100	4.3	2.6	7.8



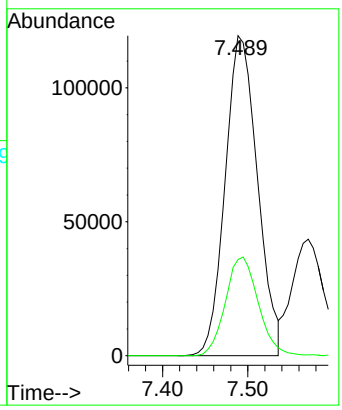


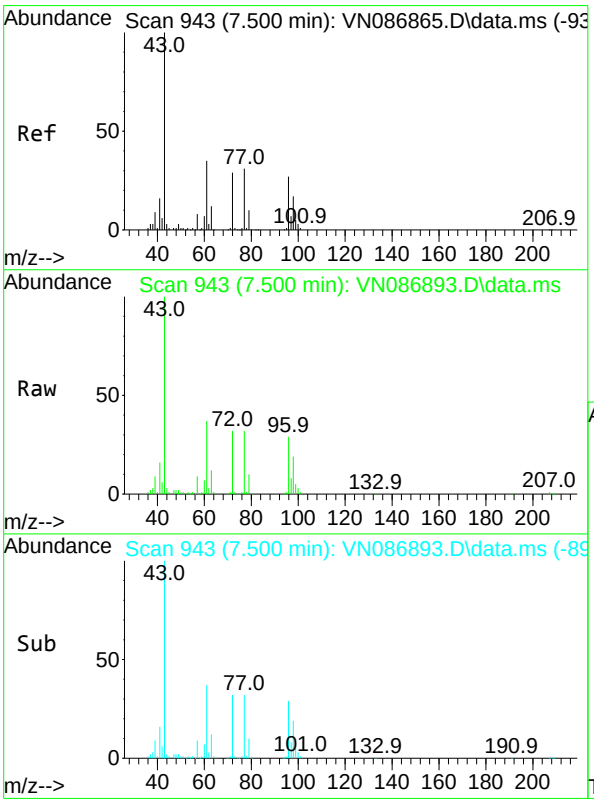
#25
2-Butanone
Concen: 102.277 ug/l
RT: 7.489 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 315151

Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.0	34.6

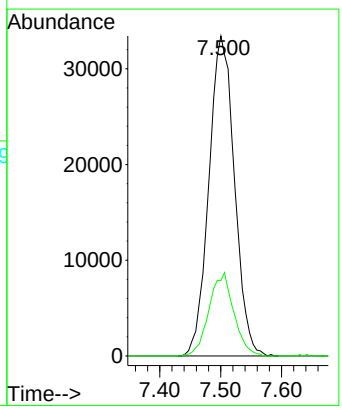


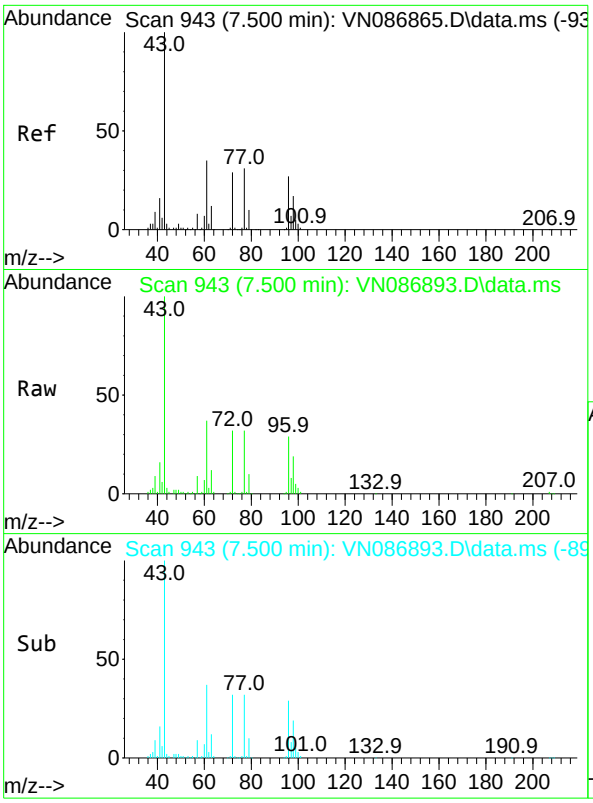


#26
2,2-Dichloropropane
Concen: 20.974 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 77 Resp: 97539

Ion	Ratio	Lower	Upper
77	100		
97	25.2	11.6	34.7



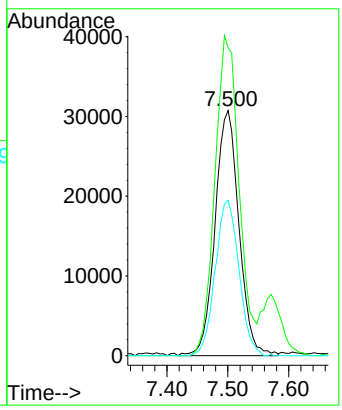


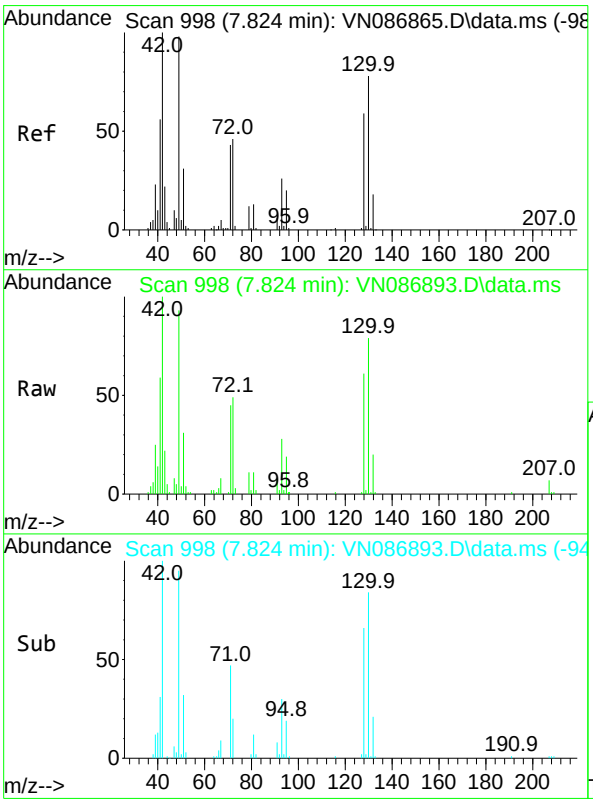
#27
cis-1,2-Dichloroethene
Concen: 21.233 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 96 Resp: 83955

Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	278.0
98	62.9	0.0	128.2

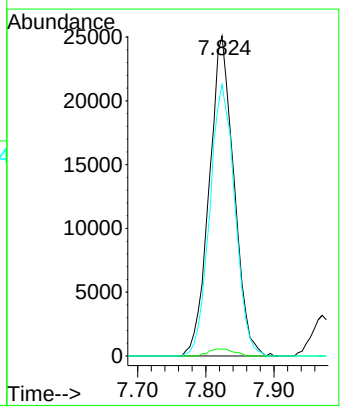


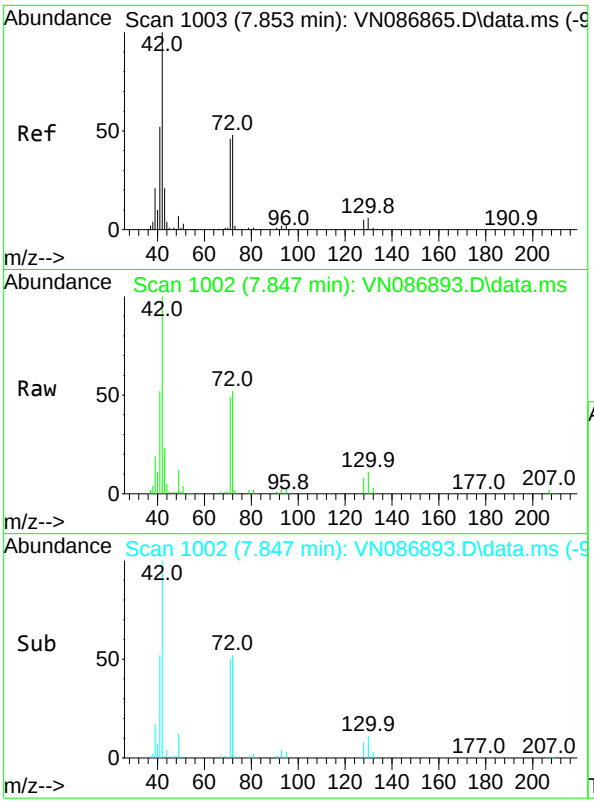


#28
Bromochloromethane
Concen: 21.510 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 49 Resp: 63228

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	86.1	62.2	93.2



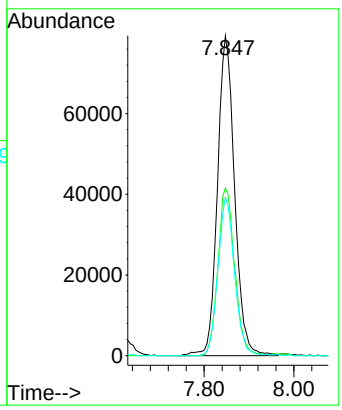


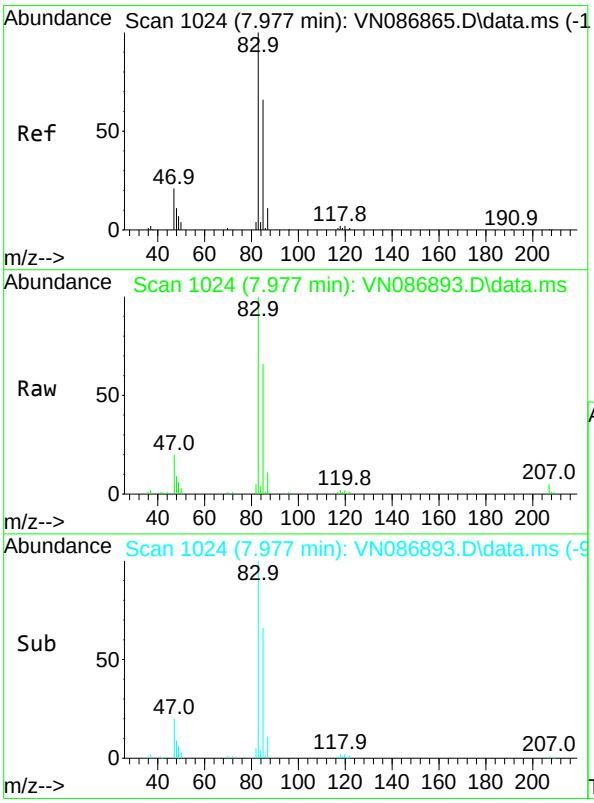
#29
Tetrahydrofuran
Concen: 104.697 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 42 Resp: 210156

Ion	Ratio	Lower	Upper
42	100		
72	51.5	37.8	56.6
71	48.0	35.6	53.4

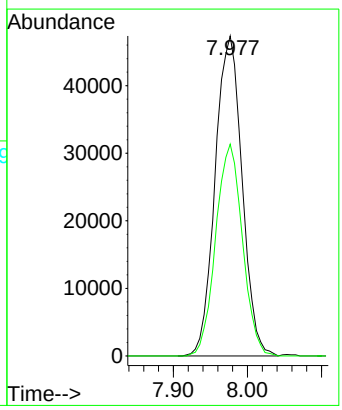


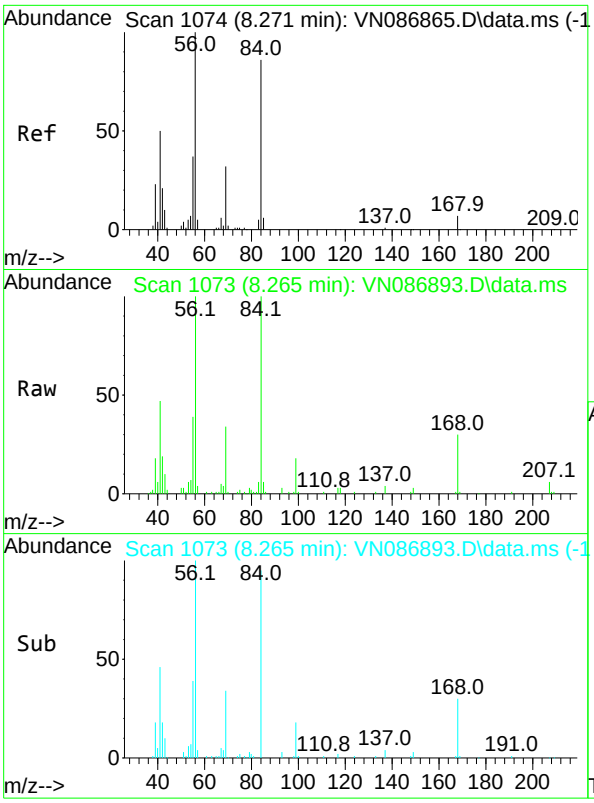


#30
Chloroform
Concen: 20.020 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 83 Resp: 119528

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.9	79.3



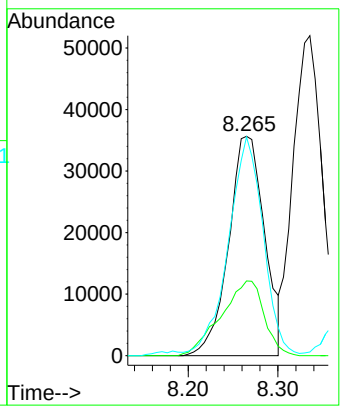


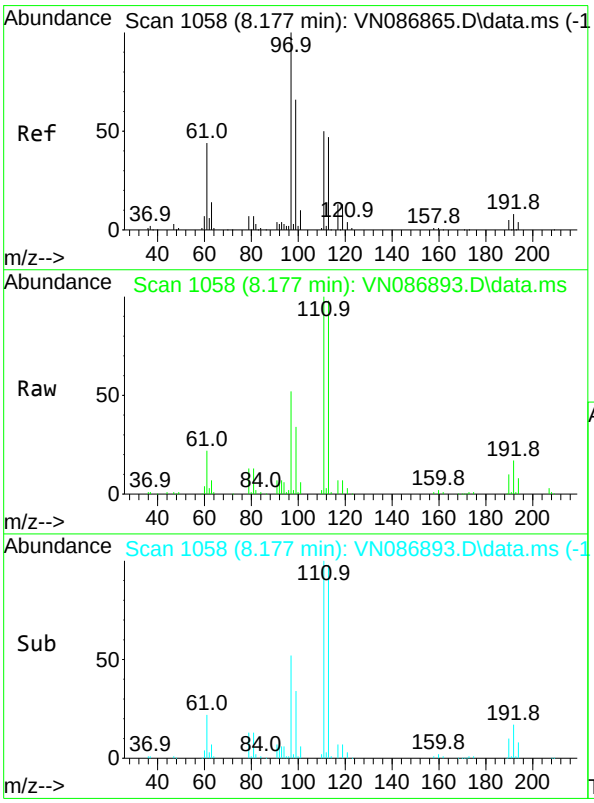
#31
Cyclohexane
Concen: 17.094 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 56 Resp: 99106

Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.4	38.0
84	98.1	68.8	103.2

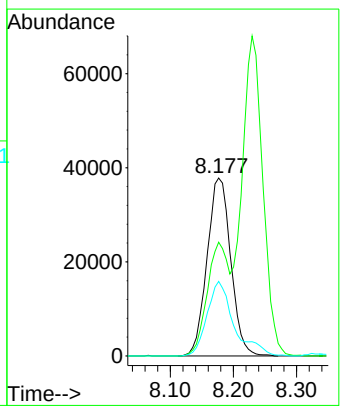


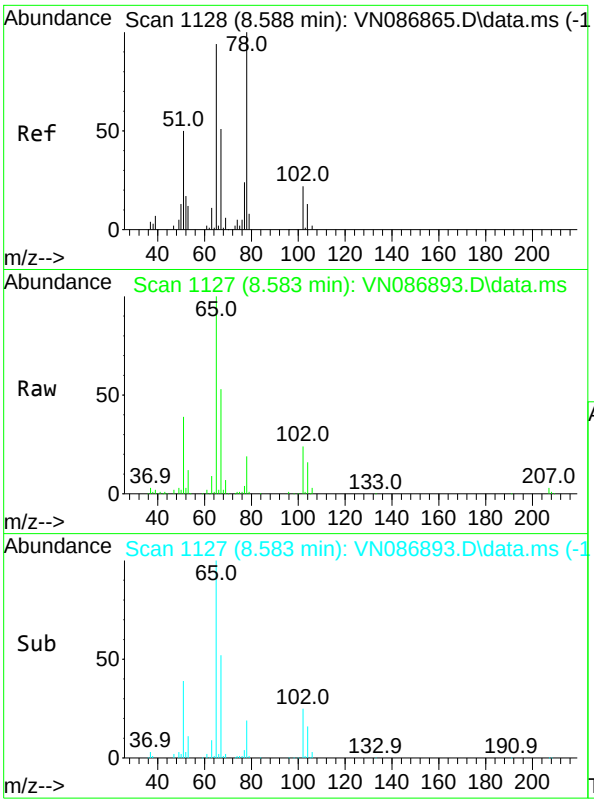


#32
1,1,1-Trichloroethane
Concen: 19.432 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 97 Resp: 98672

Ion	Ratio	Lower	Upper
97	100		
99	57.3	52.0	78.0
61	47.5	35.9	53.9



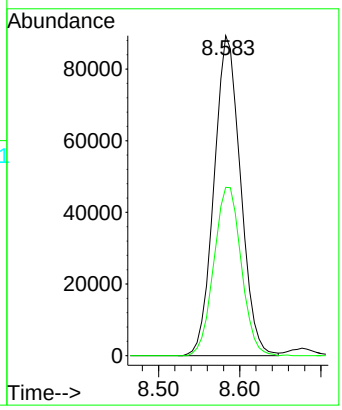


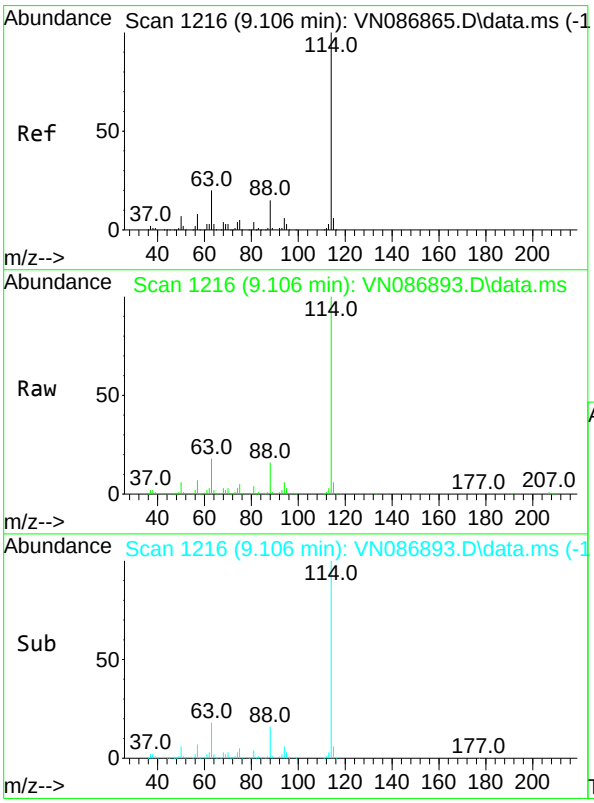
#33
1,2-Dichloroethane-d4
Concen: 56.618 ug/l
RT: 8.583 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 65 Resp: 202389

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

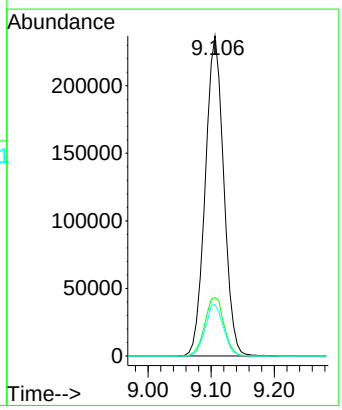


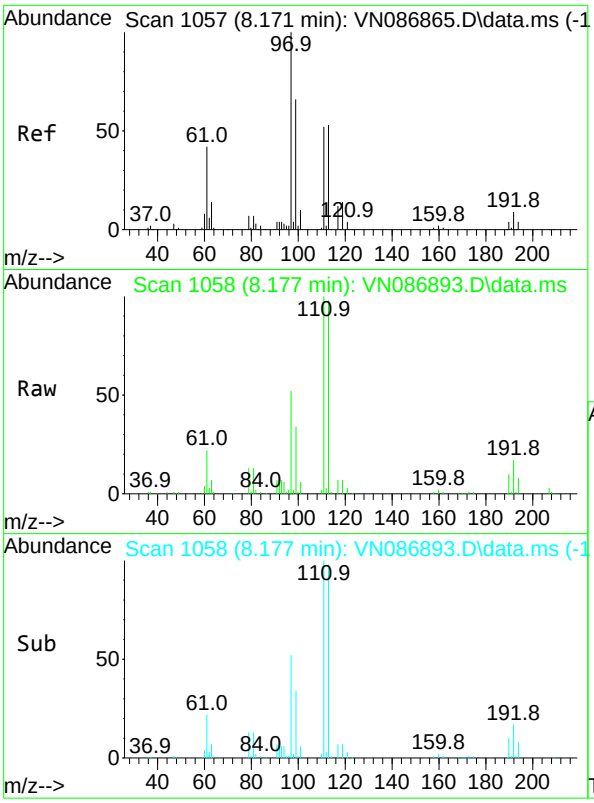


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:114 Resp: 481053

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	16.0	0.0	30.2



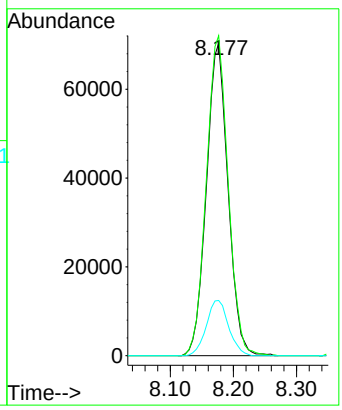


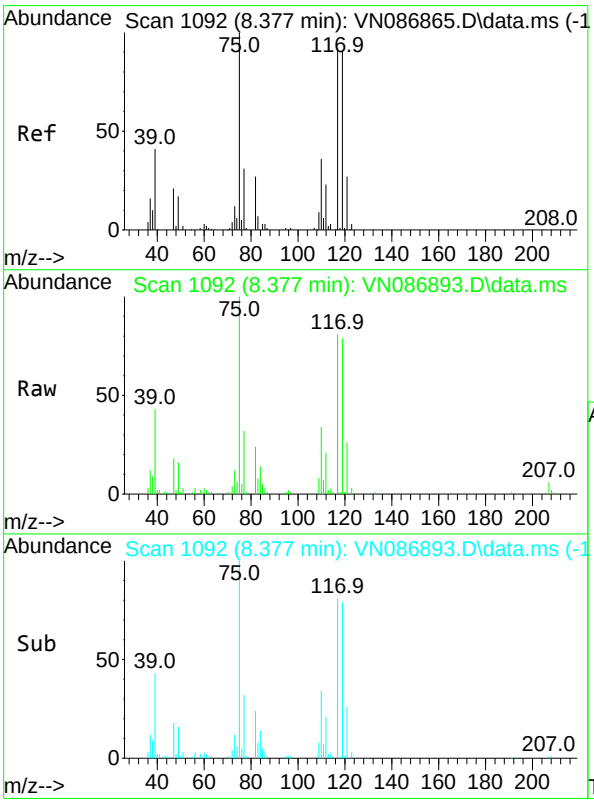
#35
Dibromofluoromethane
Concen: 58.562 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:113 Resp: 166951

Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.2	126.2
192	18.3	14.2	21.4

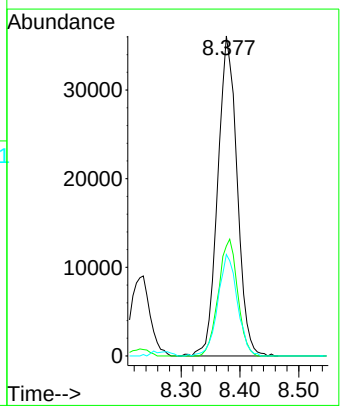


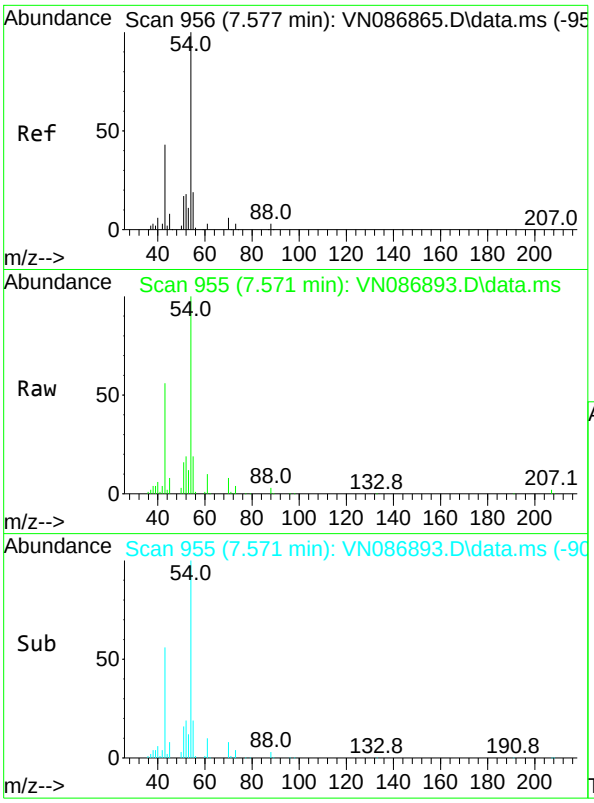


#36
1,1-Dichloropropene
Concen: 19.433 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 82550

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	32.0	25.3	37.9



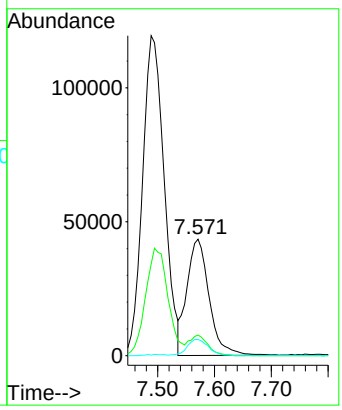


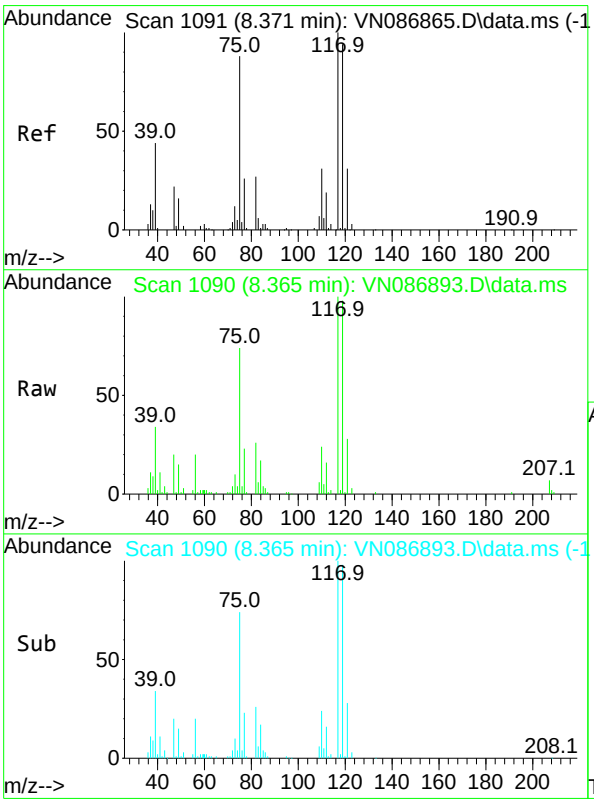
#37
Ethyl Acetate
Concen: 21.848 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 118150

Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	13.4	9.8	14.6

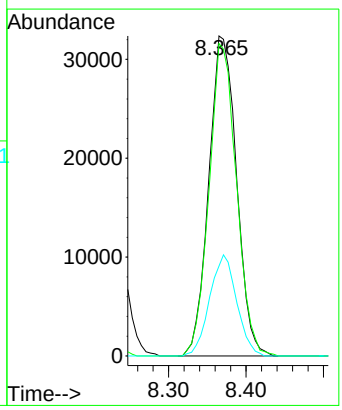


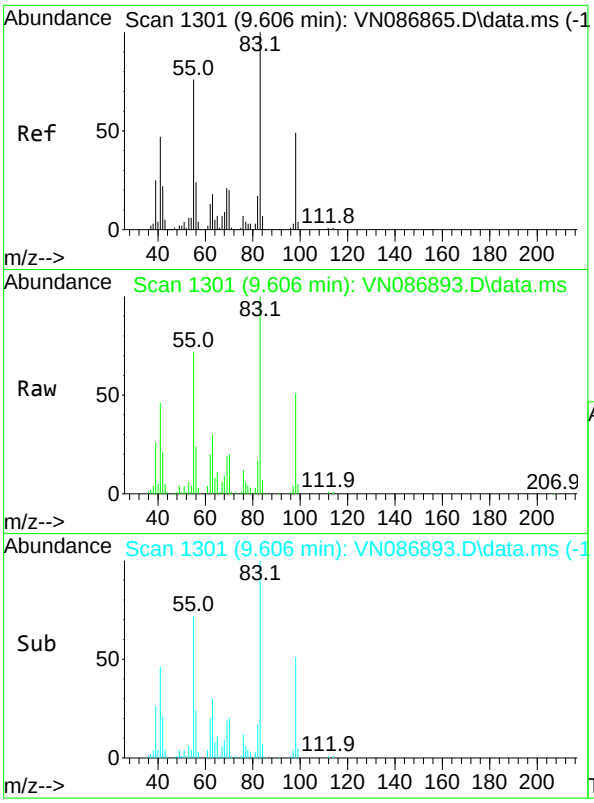


#38
Carbon Tetrachloride
Concen: 19.324 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:117 Resp: 80592

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.6
121	28.1	24.9	37.3



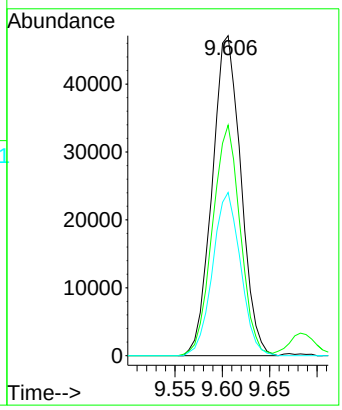


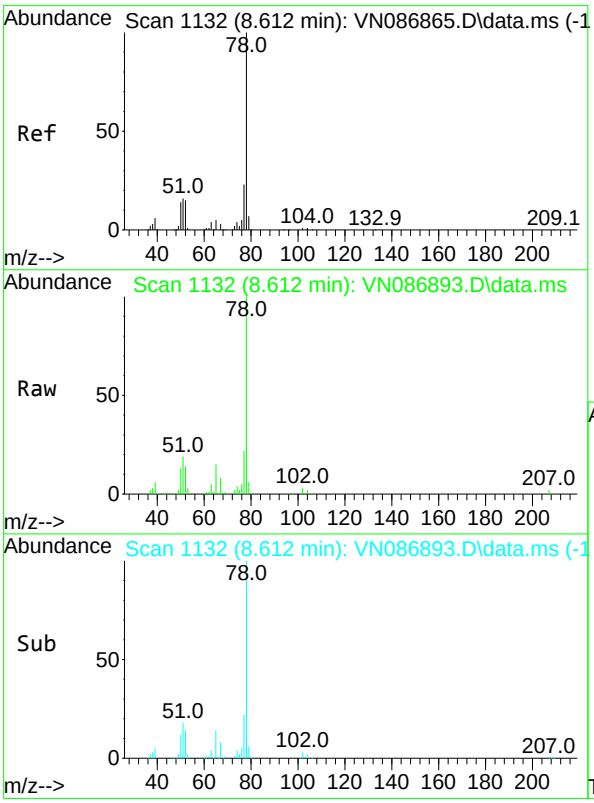
#39
Methylcyclohexane
Concen: 17.077 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 83 Resp: 99387

Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.0	91.6
98	51.0	38.9	58.3

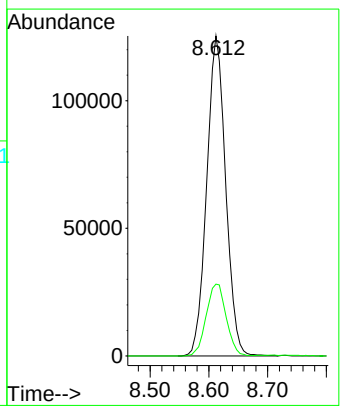


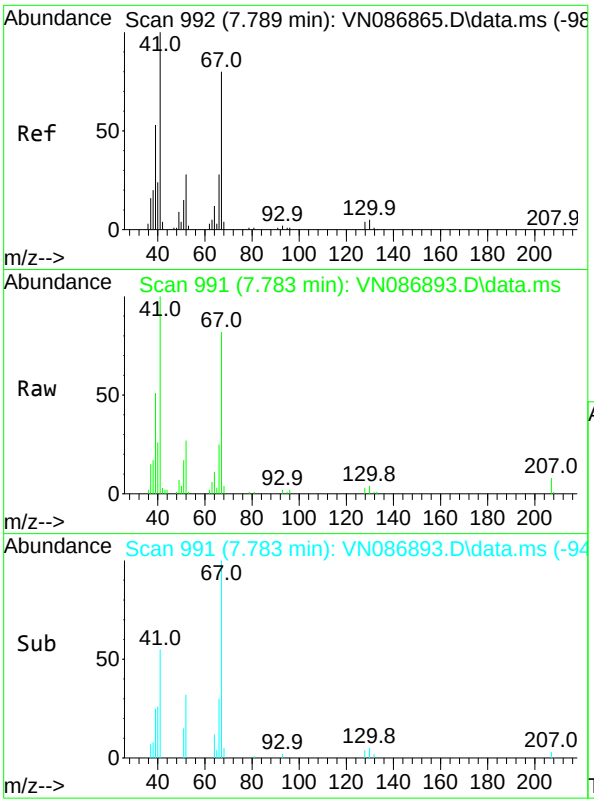


#40
Benzene
Concen: 20.246 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 78 Resp: 281242

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.7	28.1



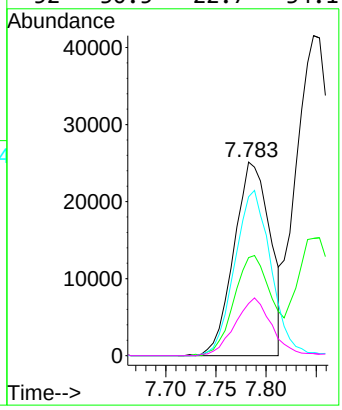


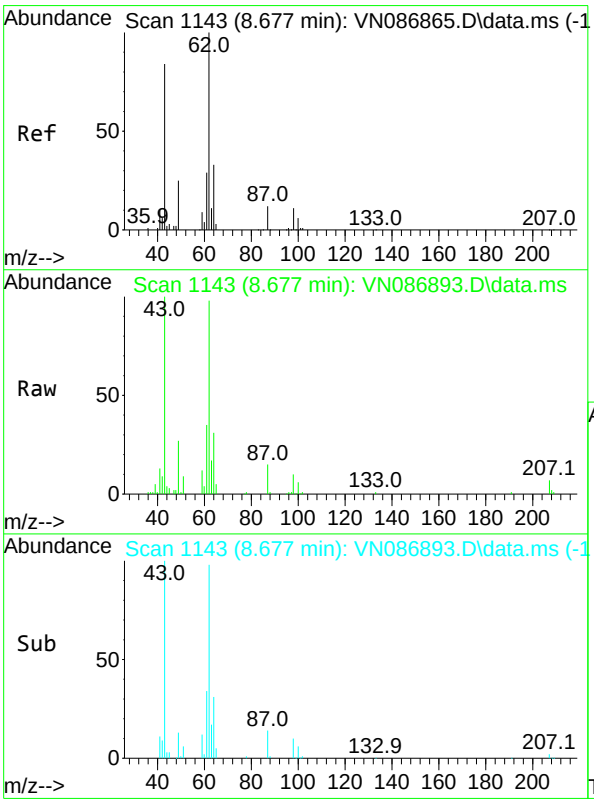
#41
Methacrylonitrile
Concen: 20.779 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 41 Resp: 63106

Ion	Ratio	Lower	Upper
41	100		
39	54.4	41.2	61.8
67	85.8	61.4	92.2
52	30.5	22.7	34.1

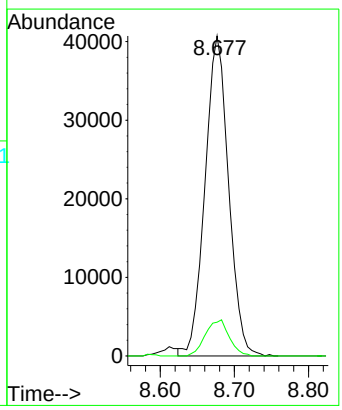


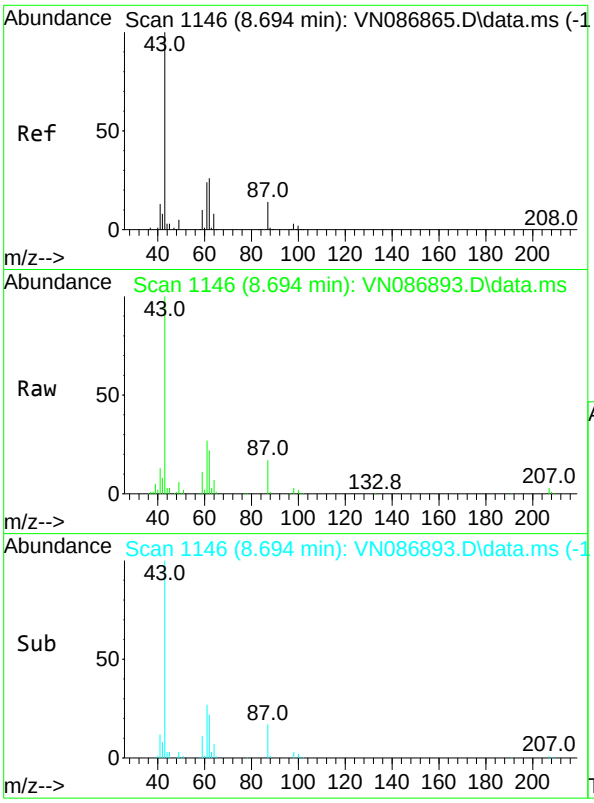


#42
1,2-Dichloroethane
Concen: 21.353 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 62 Resp: 89967

Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.2



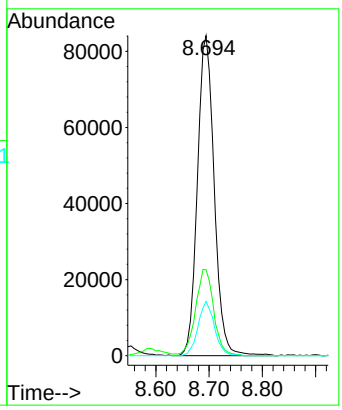


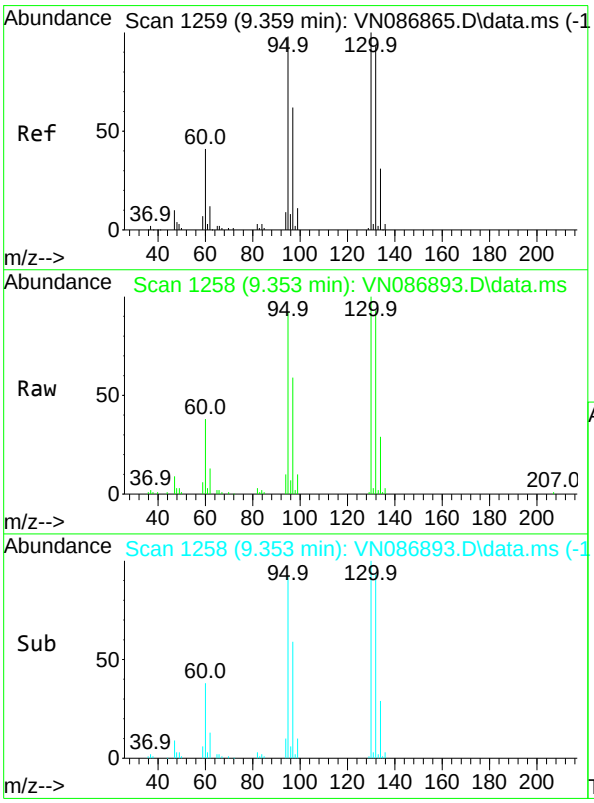
#43
Isopropyl Acetate
Concen: 21.243 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 184375

Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.1	33.1
87	16.5	11.8	17.6

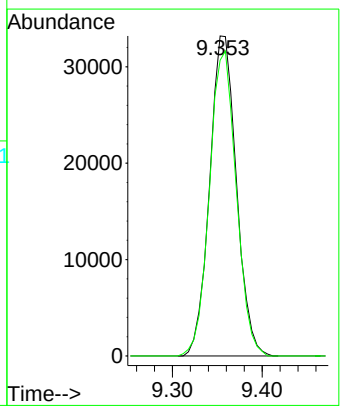


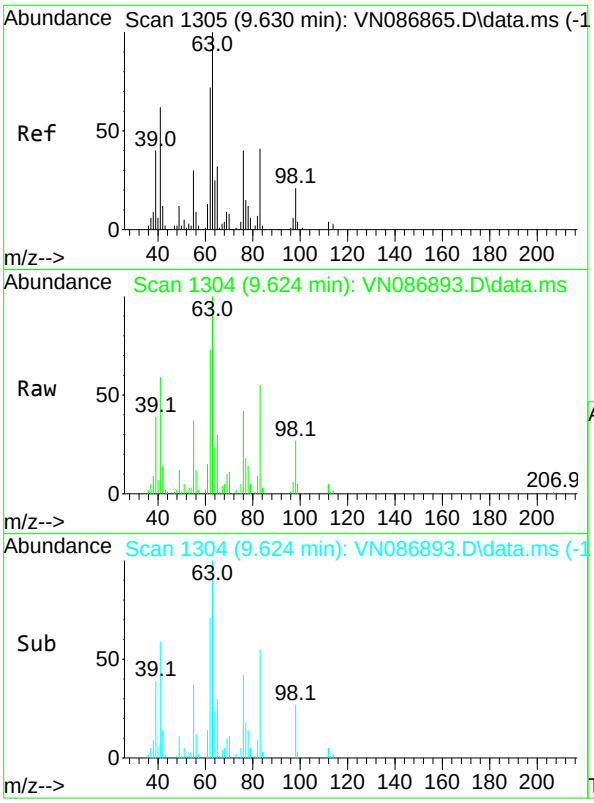


#44
Trichloroethene
Concen: 20.860 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:130 Resp: 68709

Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	196.2



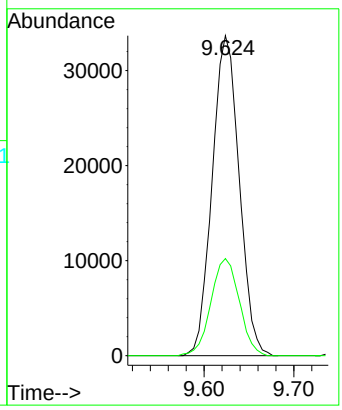


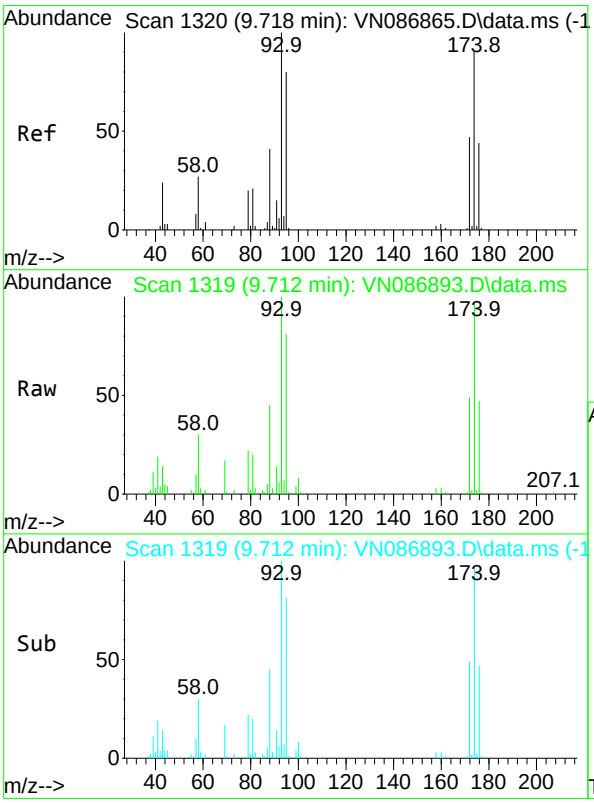
#45
1,2-Dichloropropane
Concen: 20.819 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 63 Resp: 70359

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3

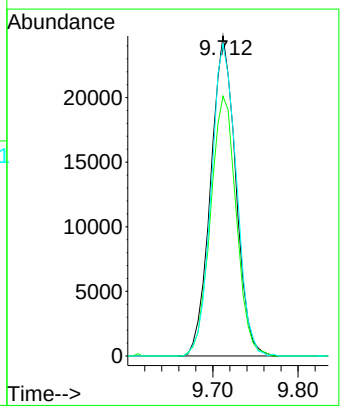


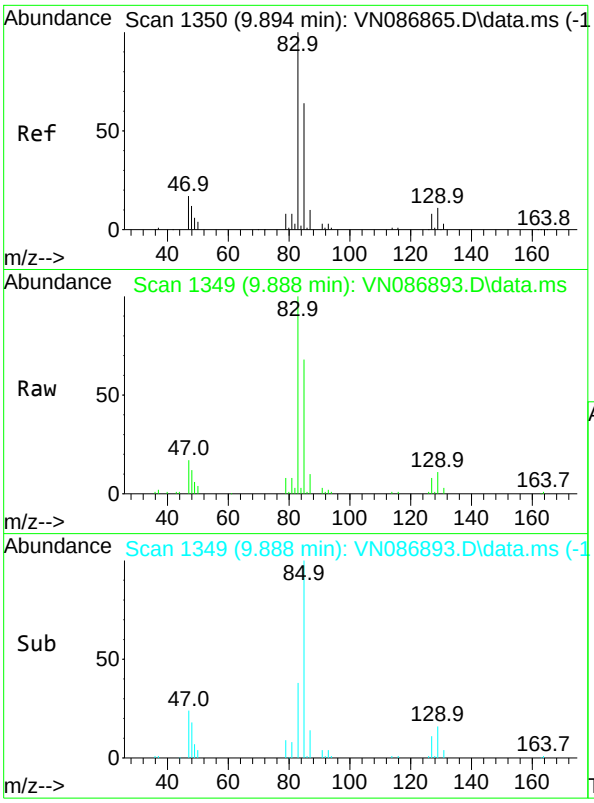


#46
Dibromomethane
Concen: 22.505 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 93 Resp: 50518

Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.1	100.7
174	97.8	74.2	111.4



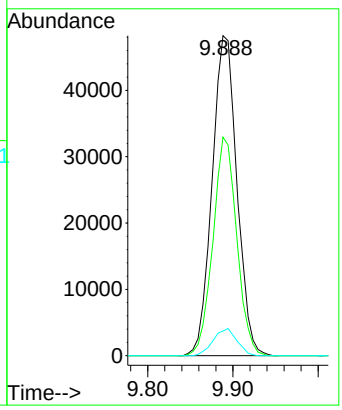


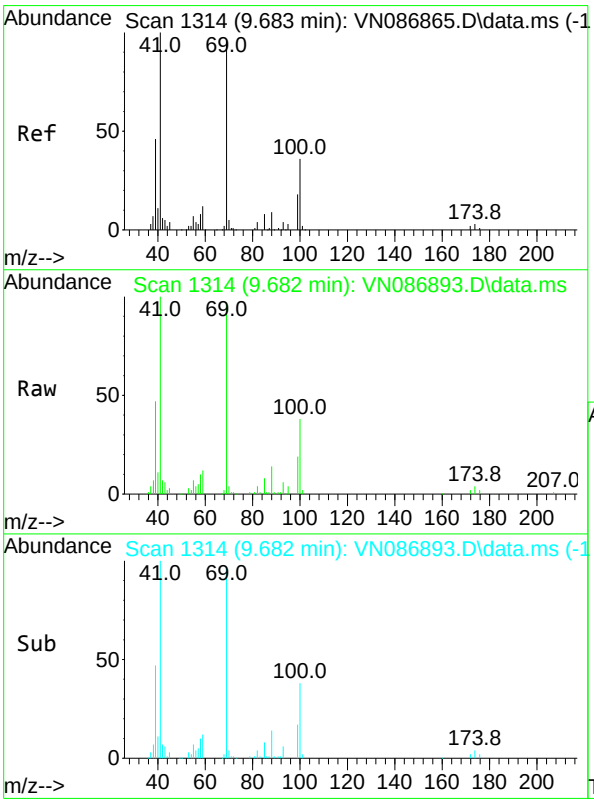
#47
Bromodichloromethane
Concen: 21.168 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 83 Resp: 97765

Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.9	76.3
127	7.7	6.6	10.0

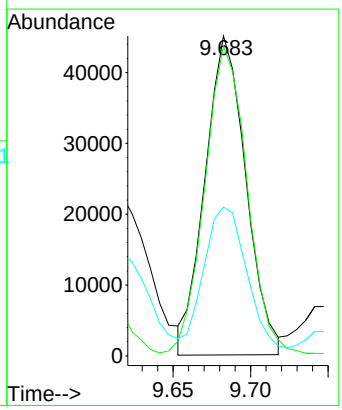


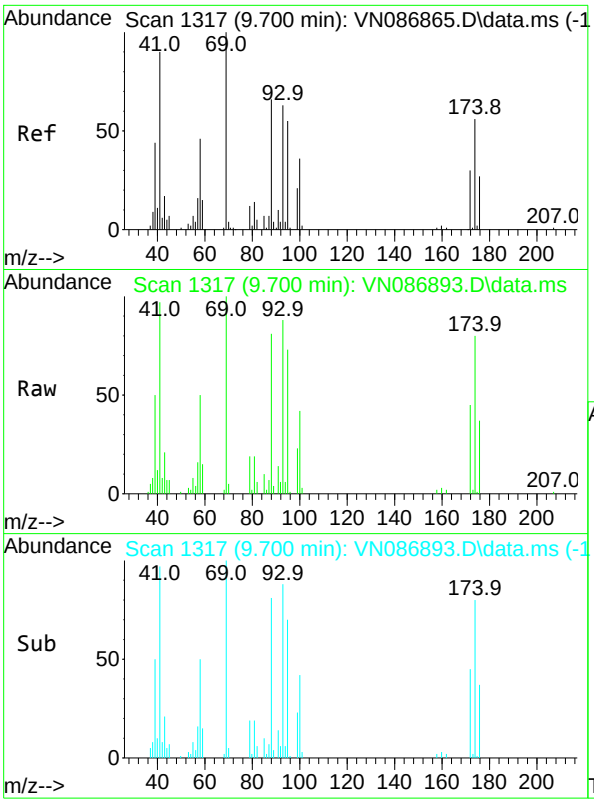


#48
Methyl methacrylate
Concen: 20.666 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 41 Resp: 82557

Ion	Ratio	Lower	Upper
41	100		
69	102.2	74.6	112.0
39	50.9	40.2	60.4



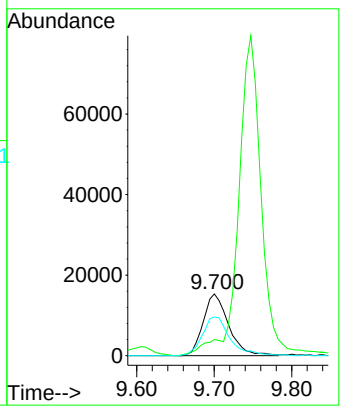


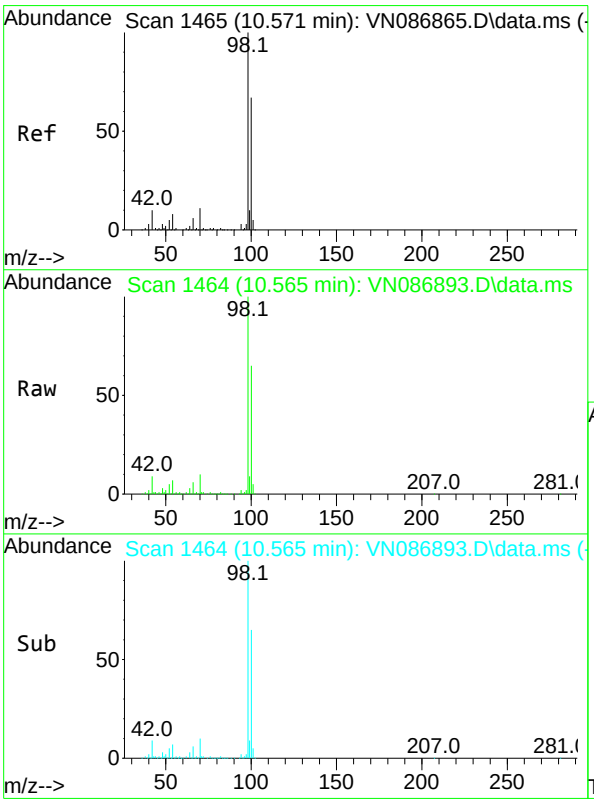
#49
1,4-Dioxane
Concen: 478.183 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 88 Resp: 34752

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	68.7	57.7	86.5

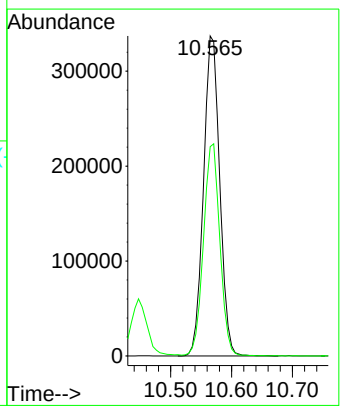


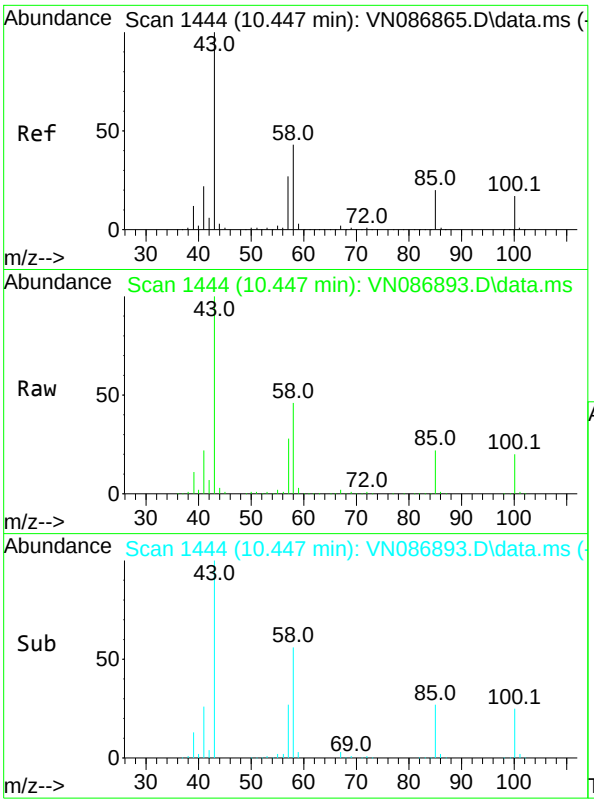


#50
Toluene-d8
Concen: 55.191 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 98 Resp: 622867

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0



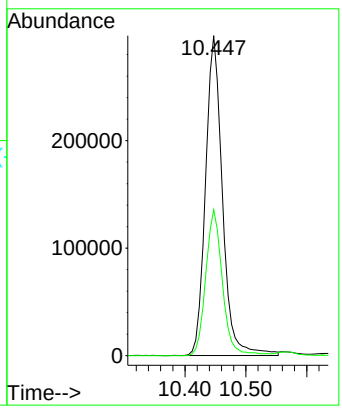


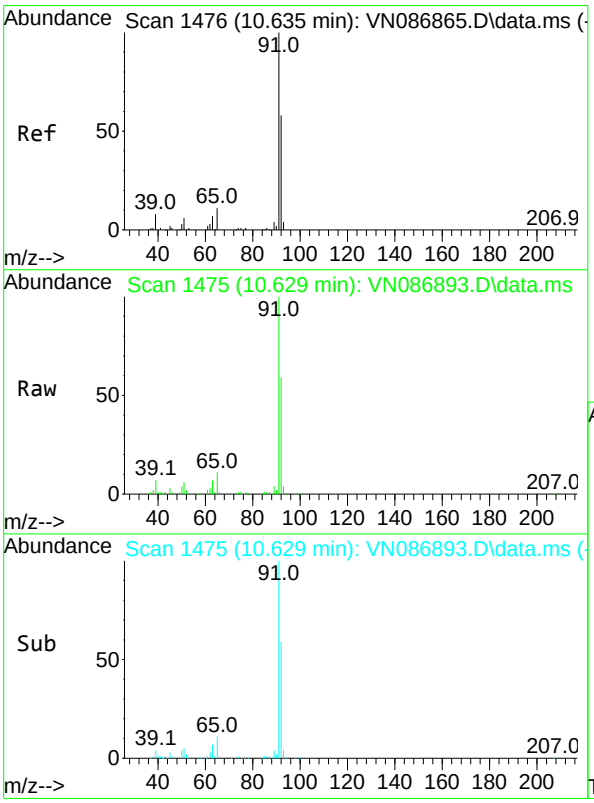
#51
4-Methyl-2-Pentanone
Concen: 109.788 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 573654

Ion	Ratio	Lower	Upper
43	100		
58	44.9	34.2	51.4

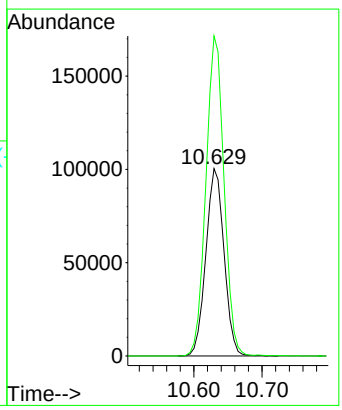


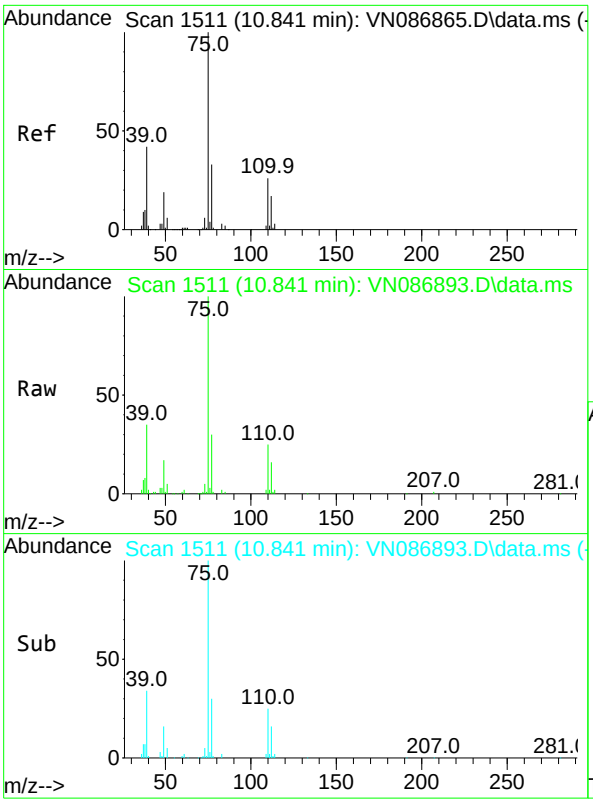


#52
Toluene
Concen: 21.940 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 92 Resp: 186254

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.5	204.7



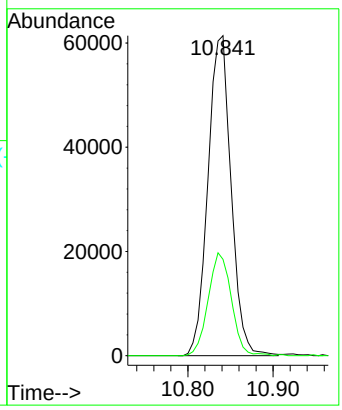


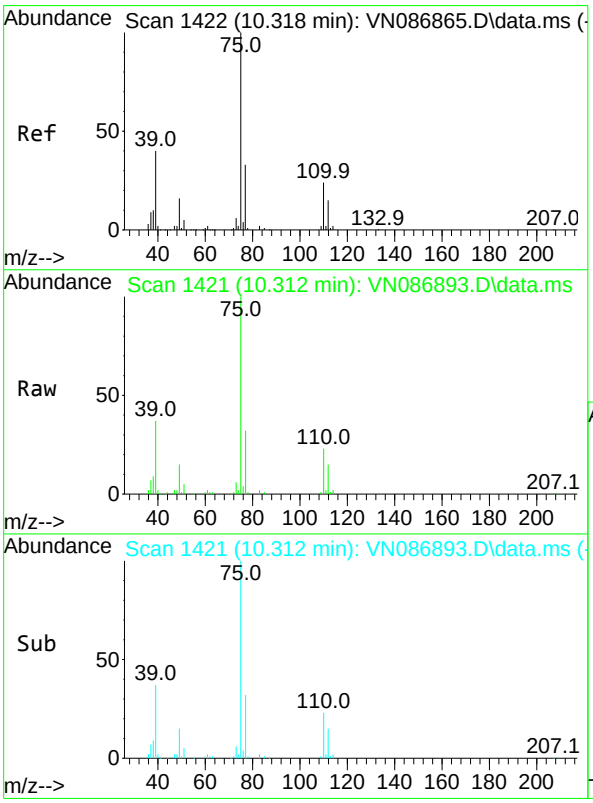
#53
t-1,3-Dichloropropene
Concen: 22.484 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 75 Resp: 116115

Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.4	39.6

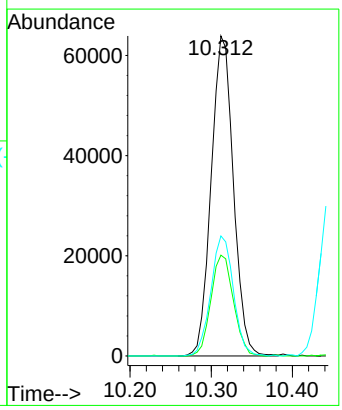


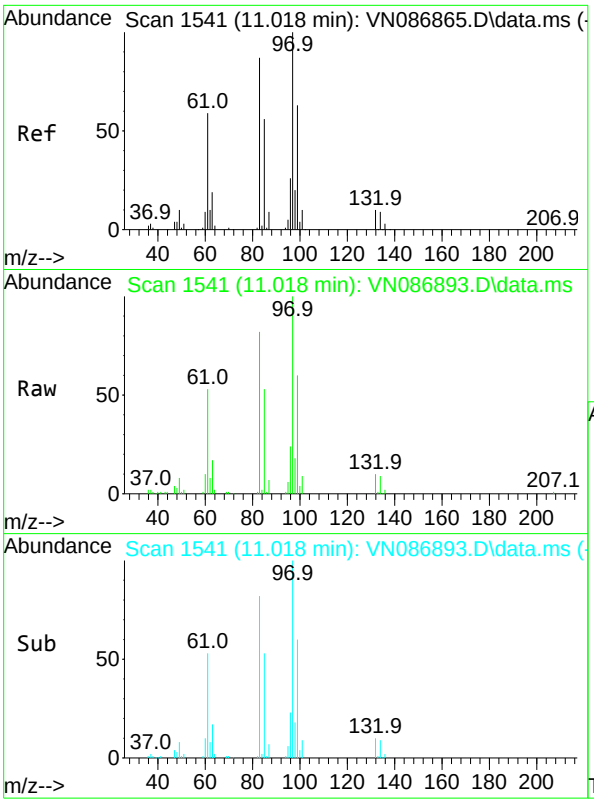


#54
cis-1,3-Dichloropropene
Concen: 22.000 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 121569

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.2	39.4
39	37.5	32.3	48.5



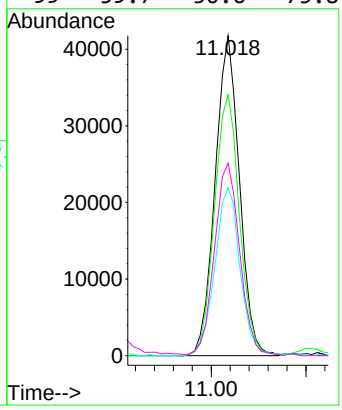


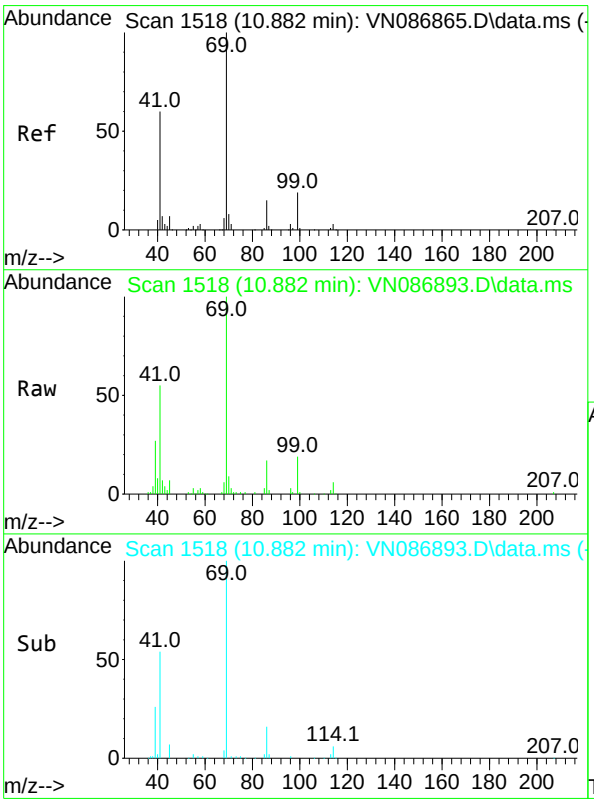
#55
1,1,2-Trichloroethane
Concen: 22.766 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 97 Resp: 74365

Ion	Ratio	Lower	Upper
97	100		
83	81.6	69.7	104.5
85	52.5	45.1	67.7
99	59.7	50.6	75.8

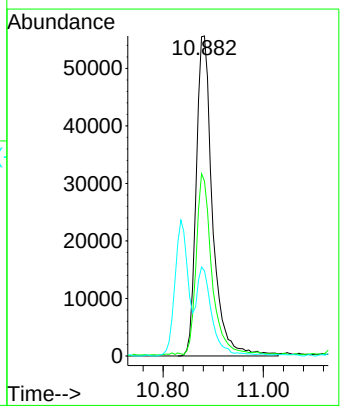


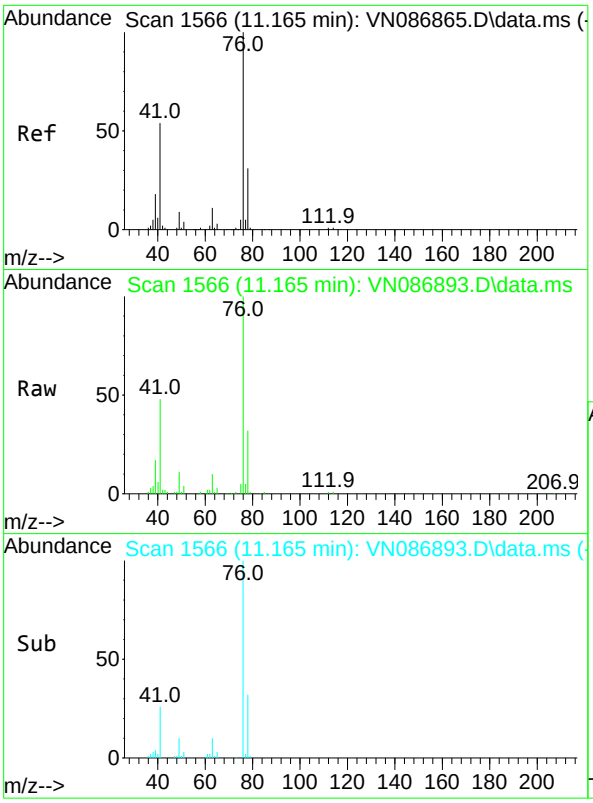


#56
Ethyl methacrylate
Concen: 24.158 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 69 Resp: 125687

Ion	Ratio	Lower	Upper
69	100		
41	53.6	47.2	70.8
39	25.1	23.0	34.6



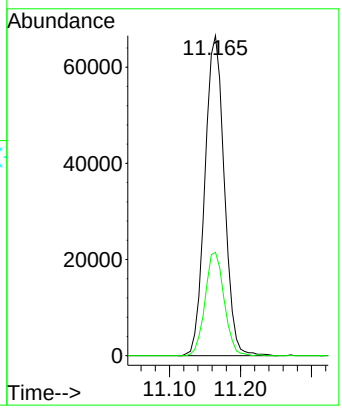


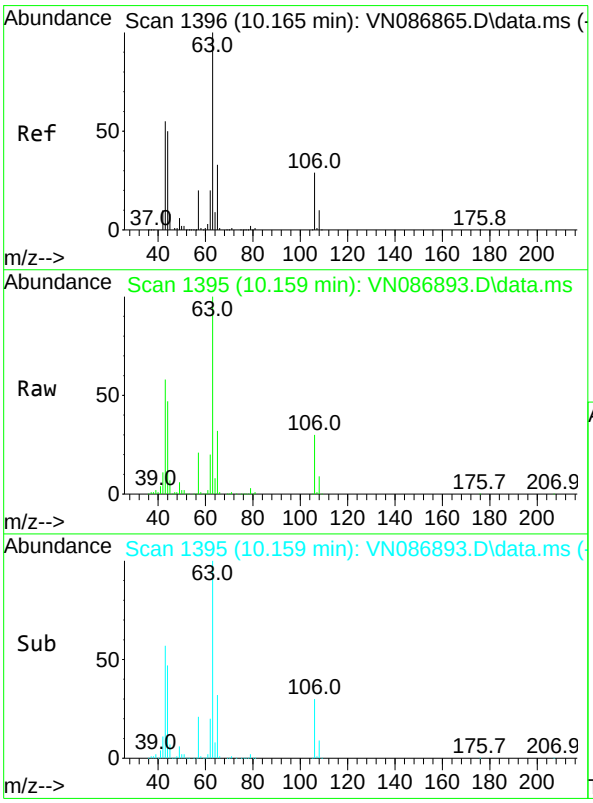
#57
1,3-Dichloropropane
Concen: 22.217 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 76 Resp: 125890

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

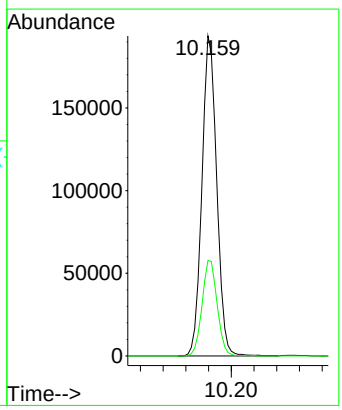


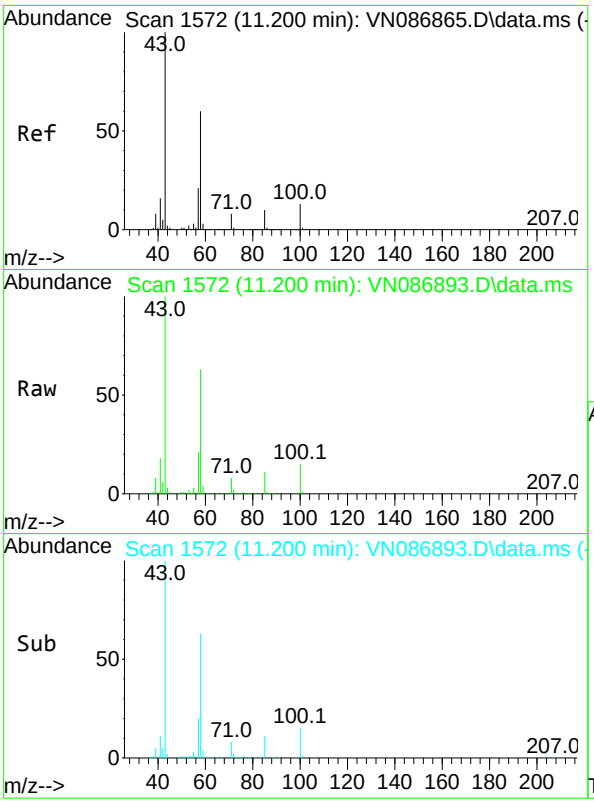


#58
2-Chloroethyl Vinyl ether
Concen: 112.472 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 63 Resp: 349023

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6



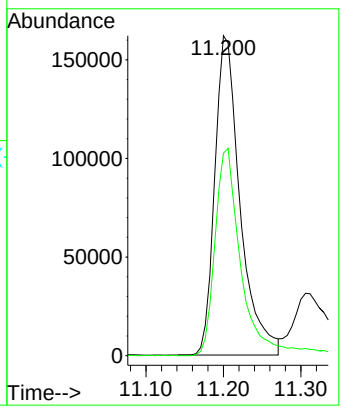


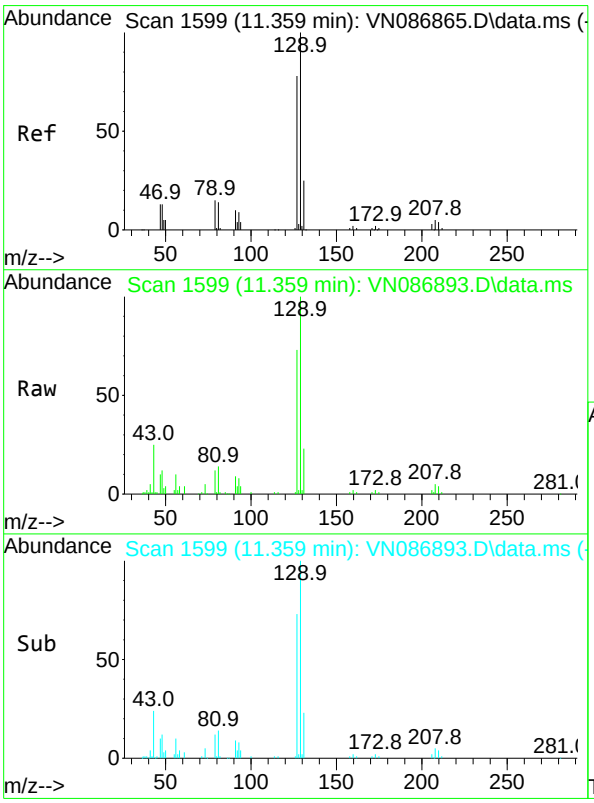
#59
2-Hexanone
Concen: 109.420 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 43 Resp: 368271

Ion	Ratio	Lower	Upper
43	100		
58	67.4	30.4	91.3

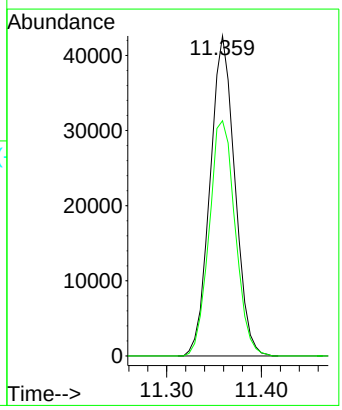


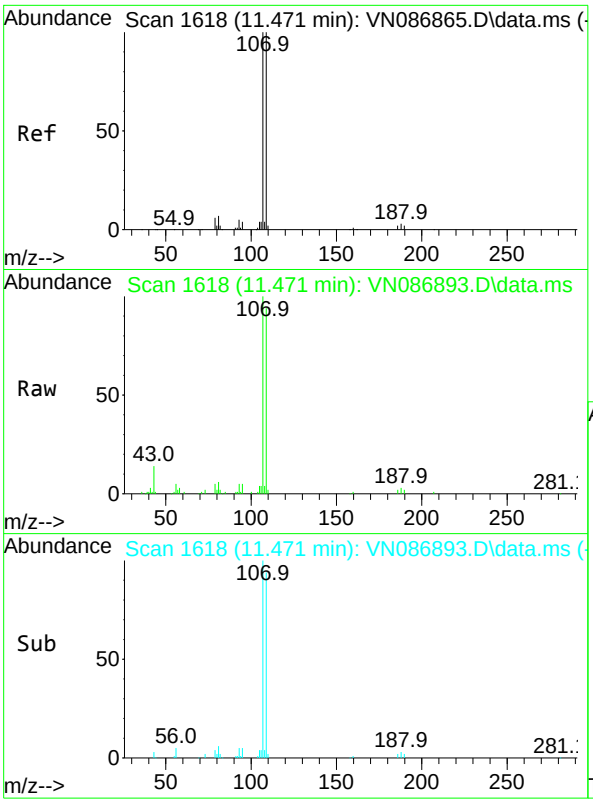


#60
Dibromochloromethane
Concen: 22.781 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:129 Resp: 77533

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8



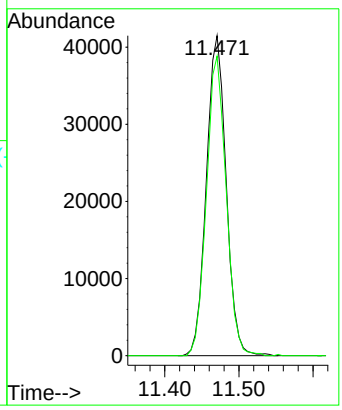


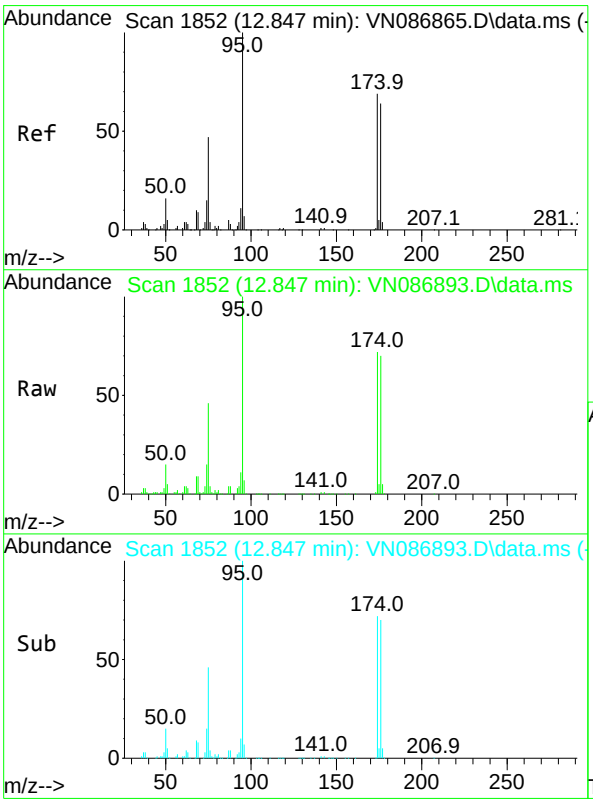
#61
1,2-Dibromoethane
Concen: 22.974 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:107 Resp: 76919

Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.3	114.5

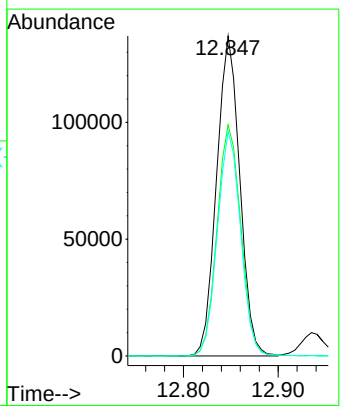


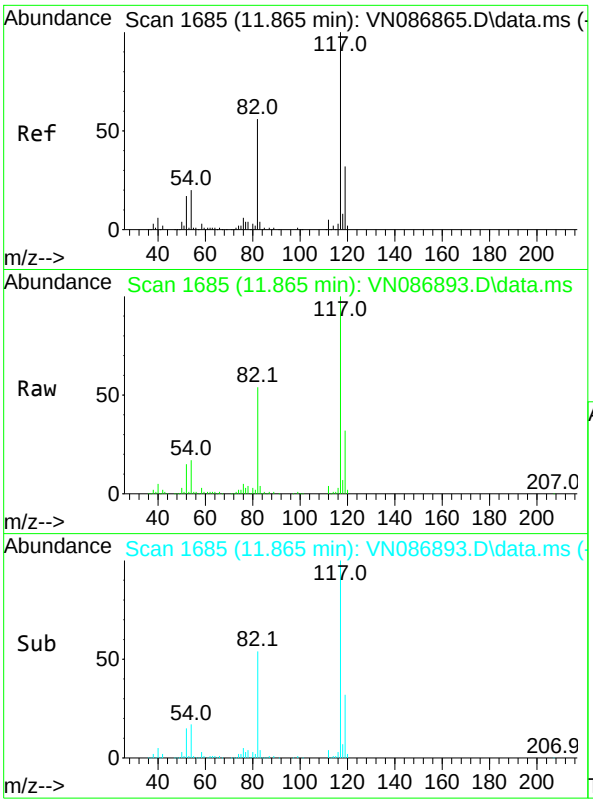


#62
4-Bromofluorobenzene
Concen: 55.716 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 95 Resp: 233615

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	141.8
176	70.4	0.0	132.6



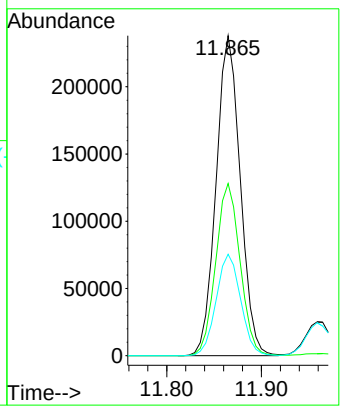


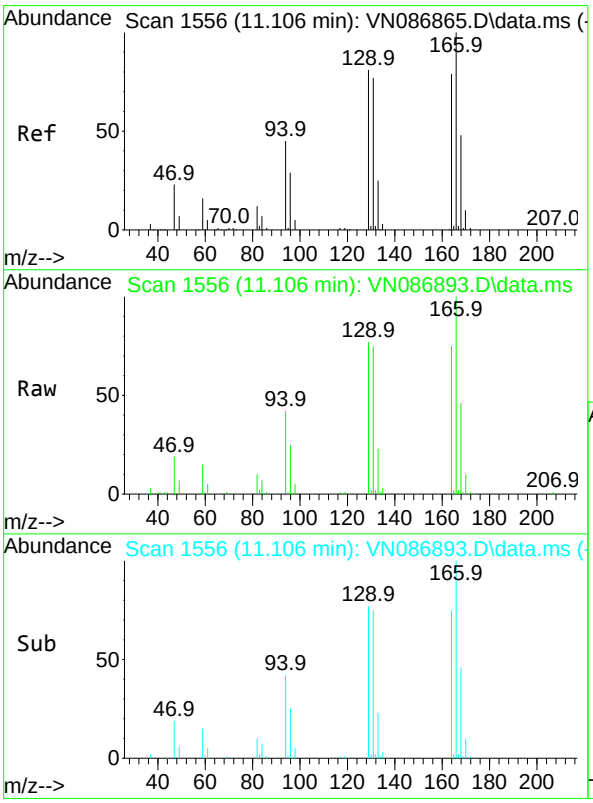
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:117 Resp: 422488

Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.6	67.0
119	31.7	25.5	38.3

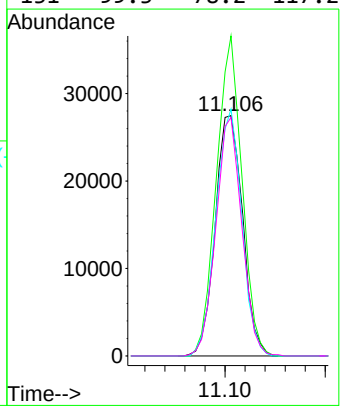


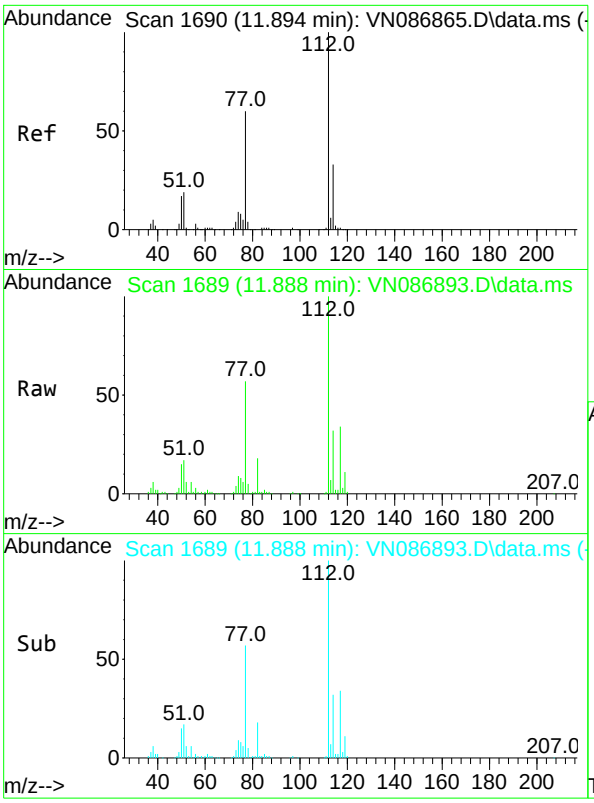


#64
Tetrachloroethene
Concen: 19.514 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:164 Resp: 52176

Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.8	152.8
129	102.7	83.0	124.4
131	99.3	78.2	117.2



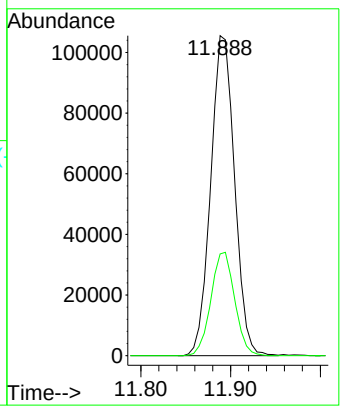


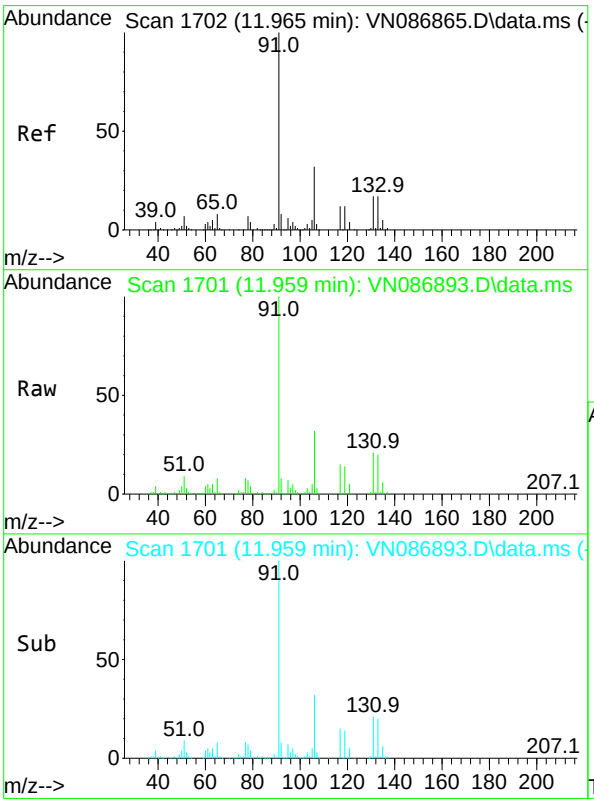
#65
Chlorobenzene
Concen: 20.940 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:112 Resp: 195119

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2

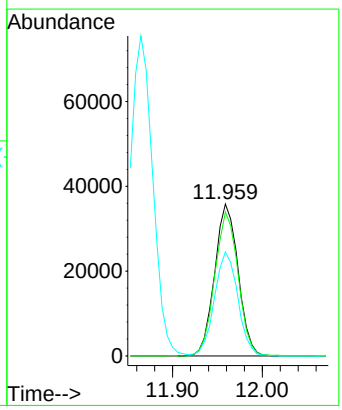


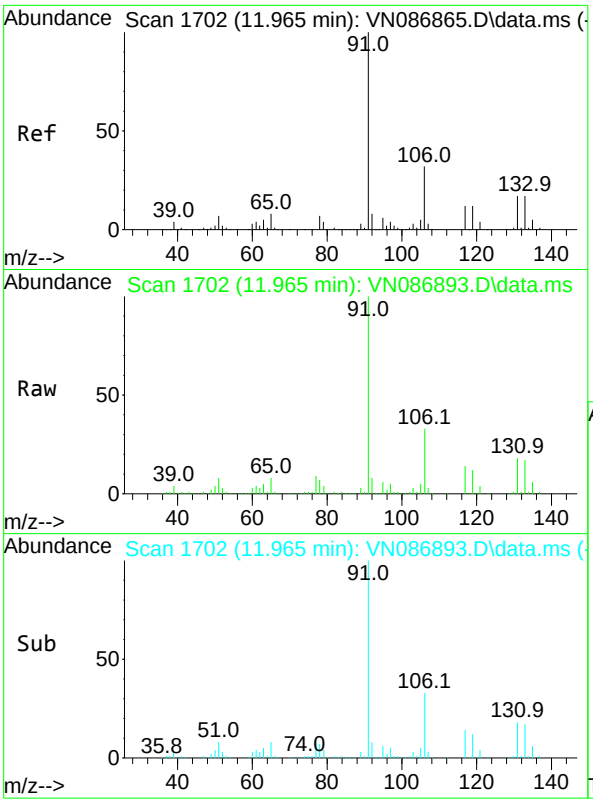


#66
1,1,1,2-Tetrachloroethane
Concen: 21.769 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:131 Resp: 65205

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.3	144.8
119	68.2	34.0	101.8



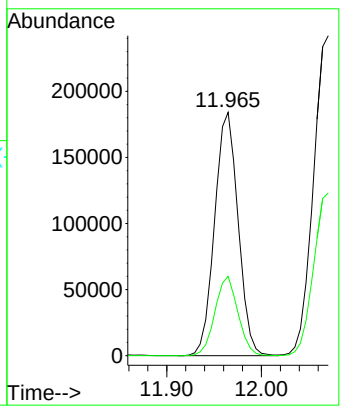


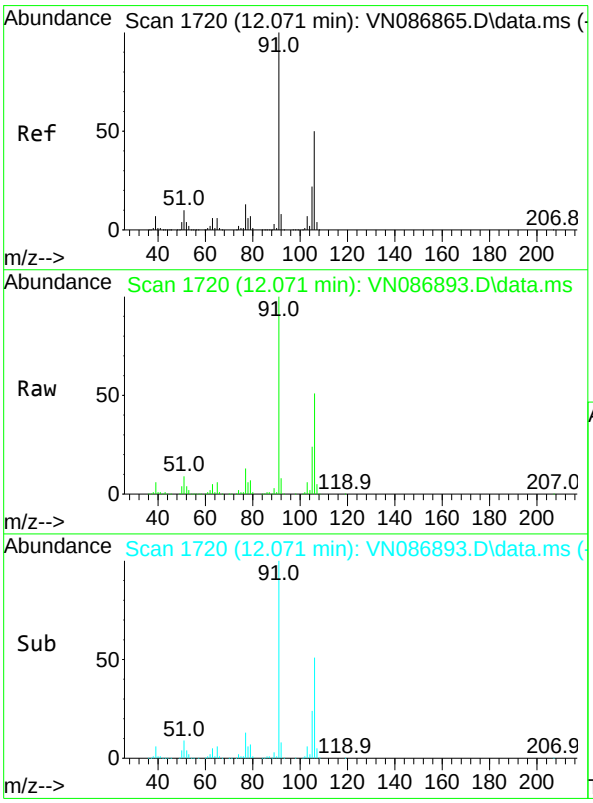
#67
Ethyl Benzene
Concen: 19.787 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 91 Resp: 317590

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.4	38.2

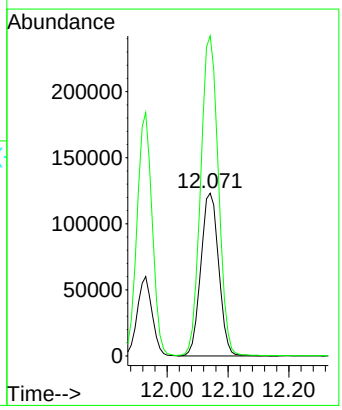


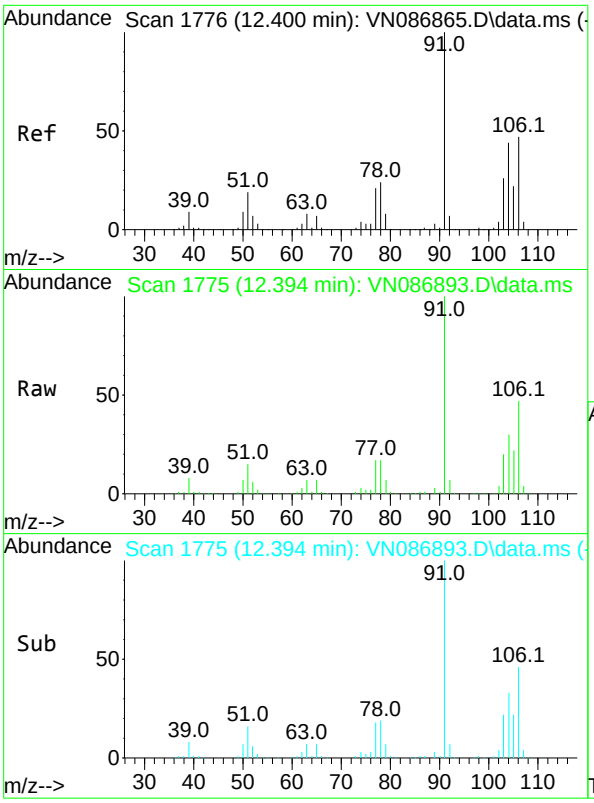


#68
m/p-Xylenes
Concen: 40.899 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:106 Resp: 251284

Ion	Ratio	Lower	Upper
106	100		
91	195.0	159.4	239.0



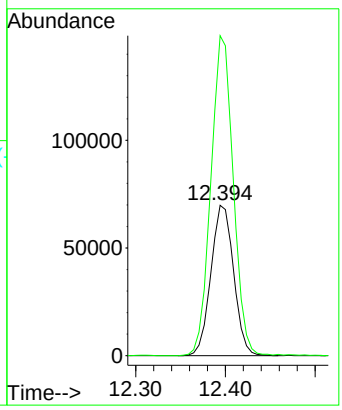


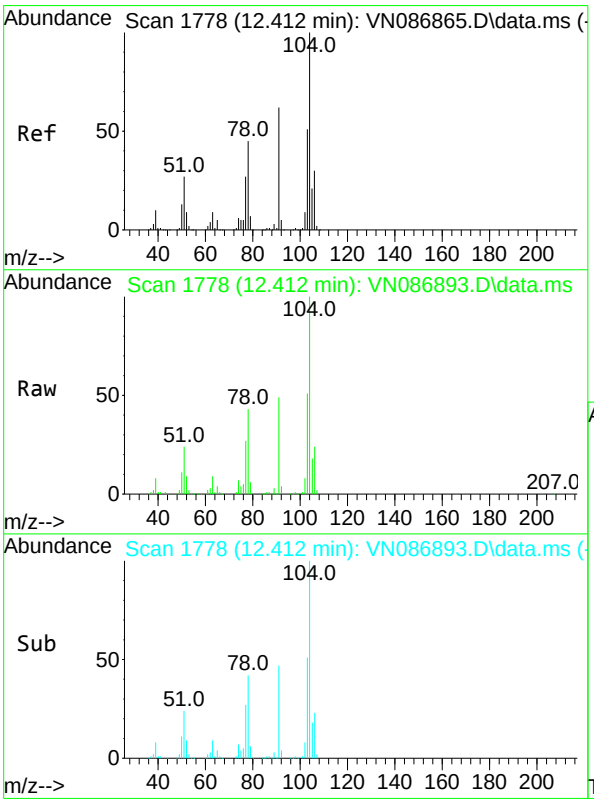
#69
o-Xylene
Concen: 20.858 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:106 Resp: 122737

Ion	Ratio	Lower	Upper
106	100		
91	210.0	106.1	318.1

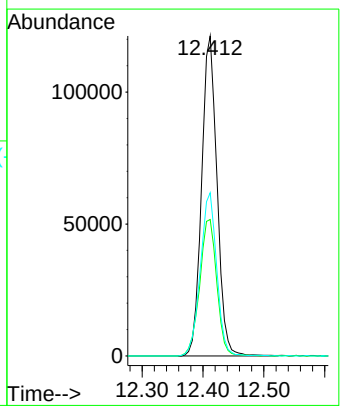


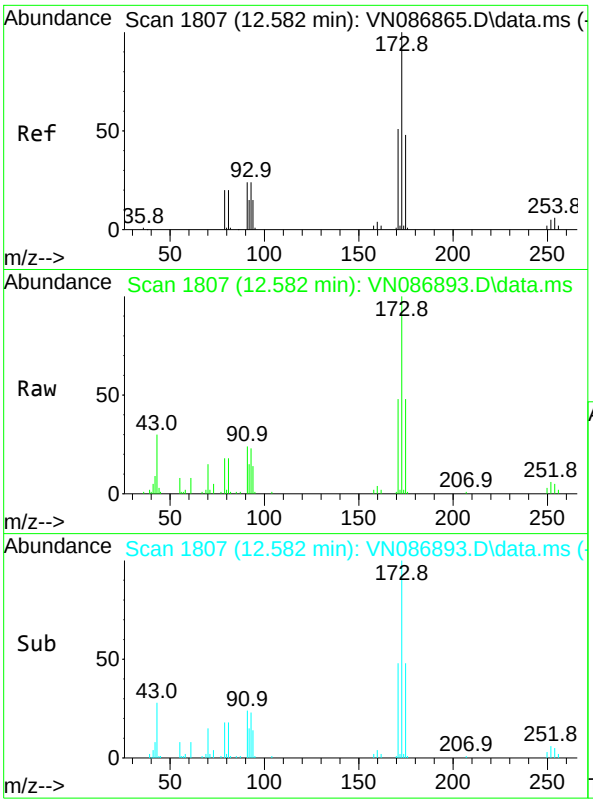


#70
Styrene
Concen: 21.229 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:104 Resp: 213765

Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.5	57.7
103	54.0	43.1	64.7



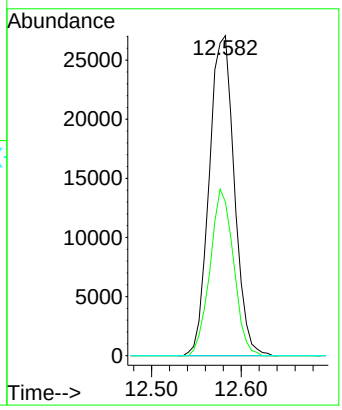


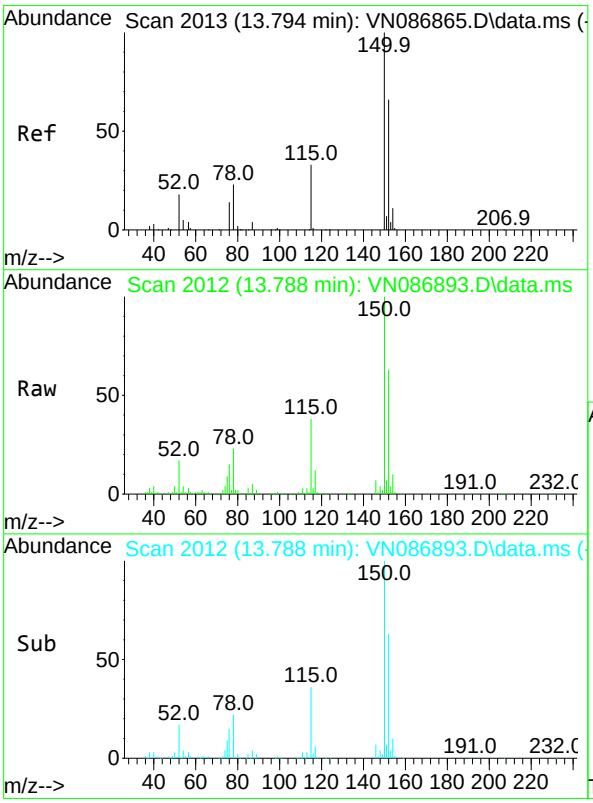
#71
Bromoform
Concen: 23.680 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:173 Resp: 52554

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

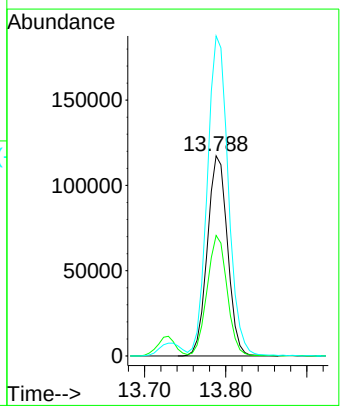


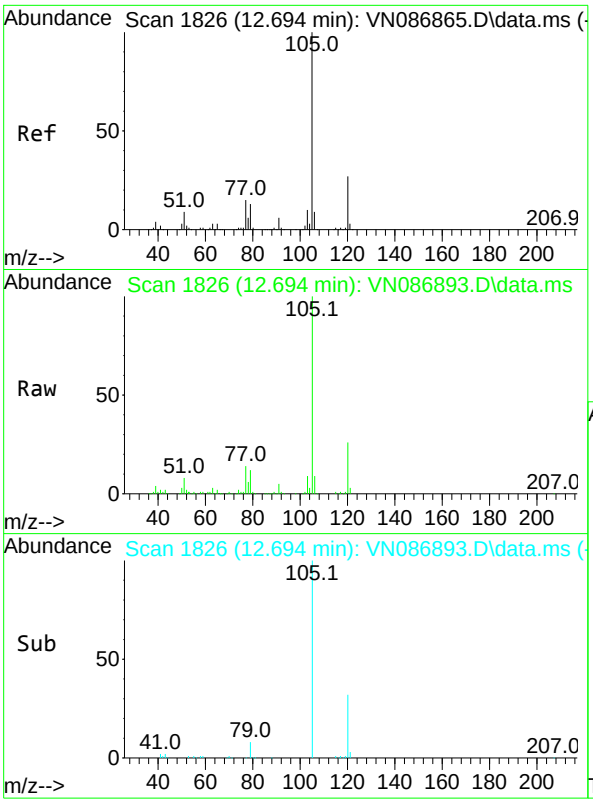


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:152 Resp: 202169

Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.1	90.5
150	166.5	0.0	345.0



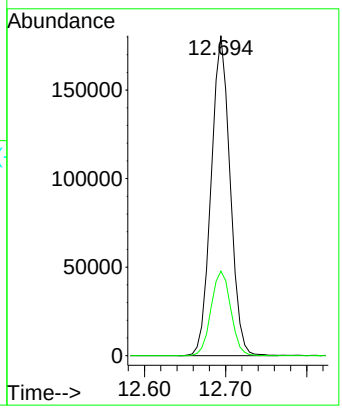


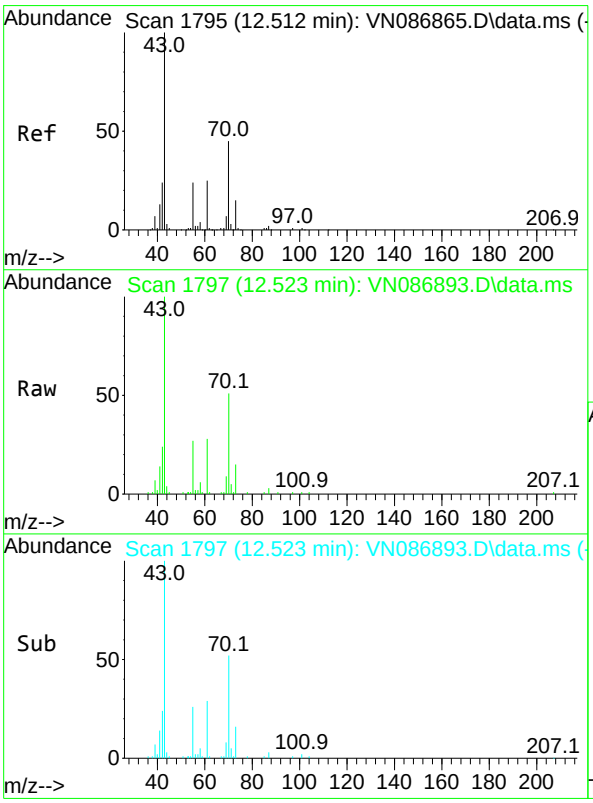
#73
Isopropylbenzene
Concen: 19.921 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:105 Resp: 293400

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.4

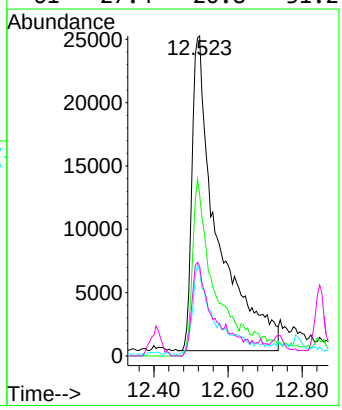


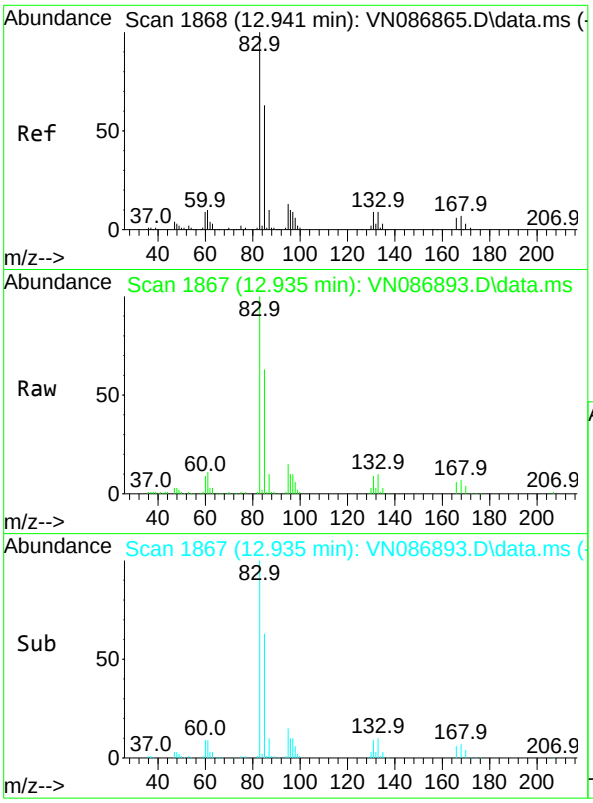


#74
N-amyl acetate
Concen: 22.893 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 43 Resp: 117821

Ion	Ratio	Lower	Upper
43	100		
70	43.9	37.6	56.4
55	22.6	19.0	28.6
61	27.4	20.8	31.2



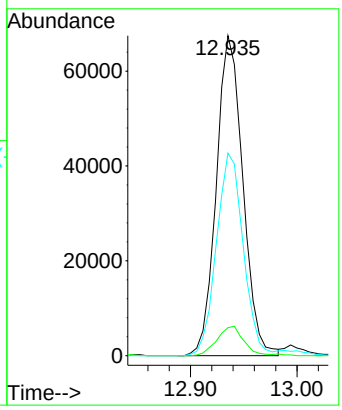


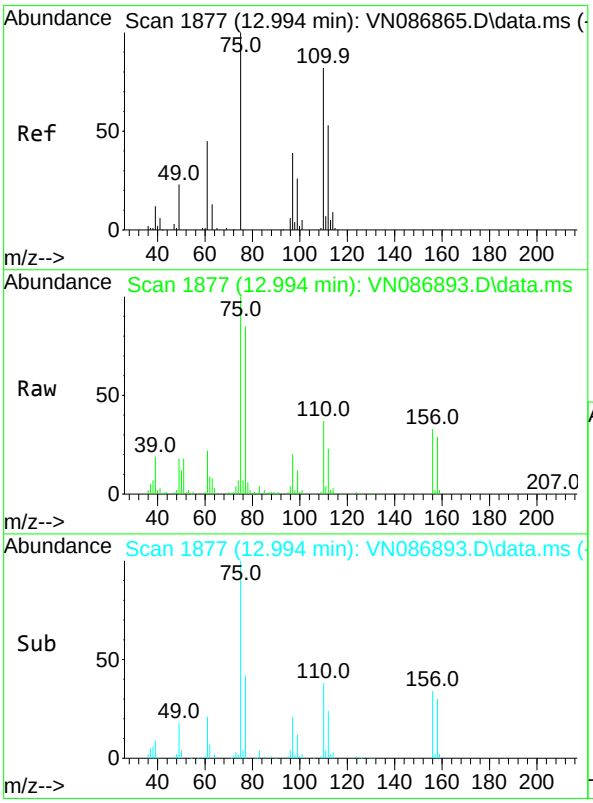
#75
1,1,2,2-Tetrachloroethane
Concen: 23.407 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 83 Resp: 116789

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.2	32.0	96.0

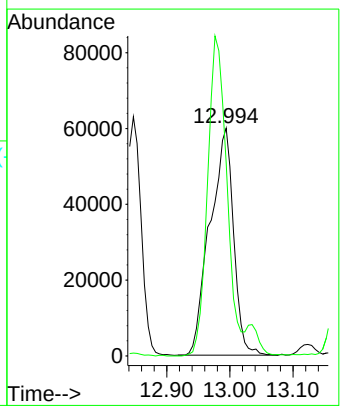


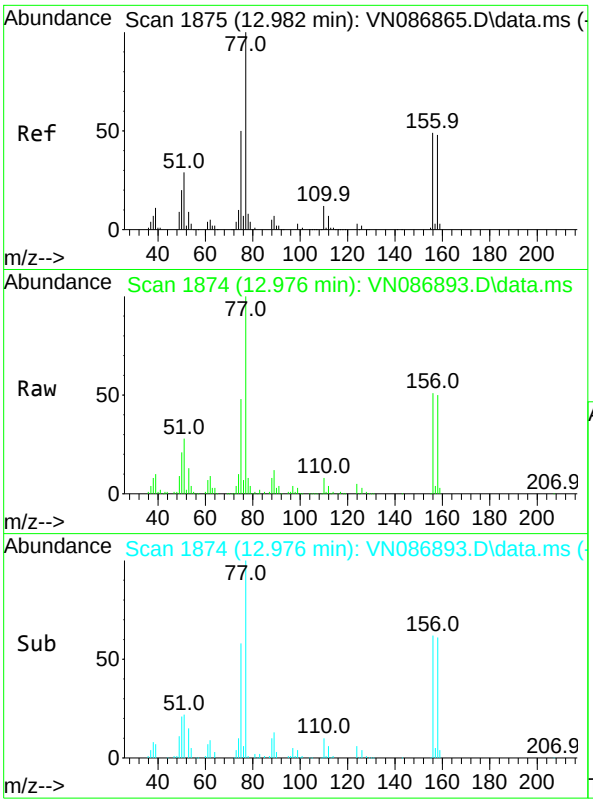


#76
1,2,3-Trichloropropane
Concen: 32.362 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 155522

Ion	Ratio	Lower	Upper
75	100		
77	115.2	79.3	237.9



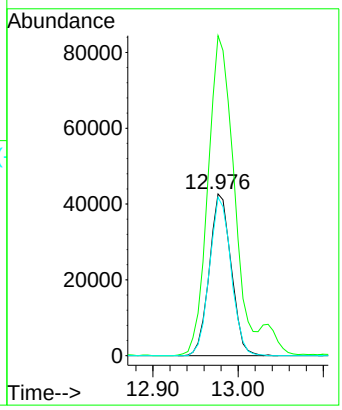


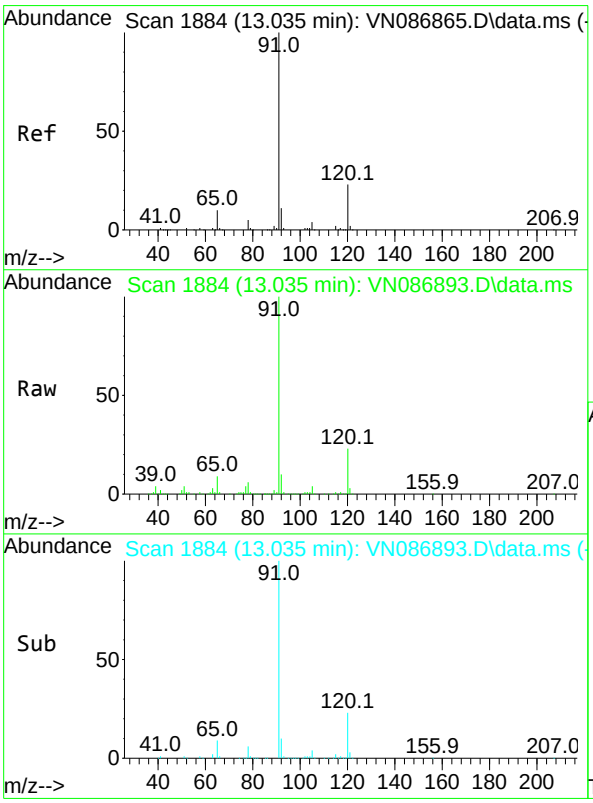
#77
Bromobenzene
Concen: 22.543 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:156 Resp: 76143

Ion	Ratio	Lower	Upper
156	100		
77	235.3	117.7	353.1
158	96.7	48.1	144.4

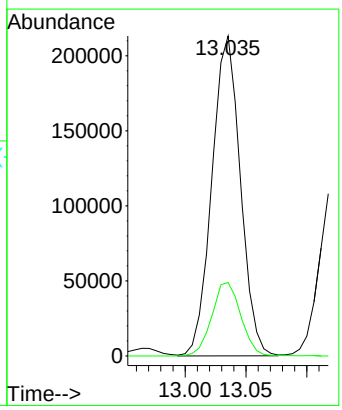


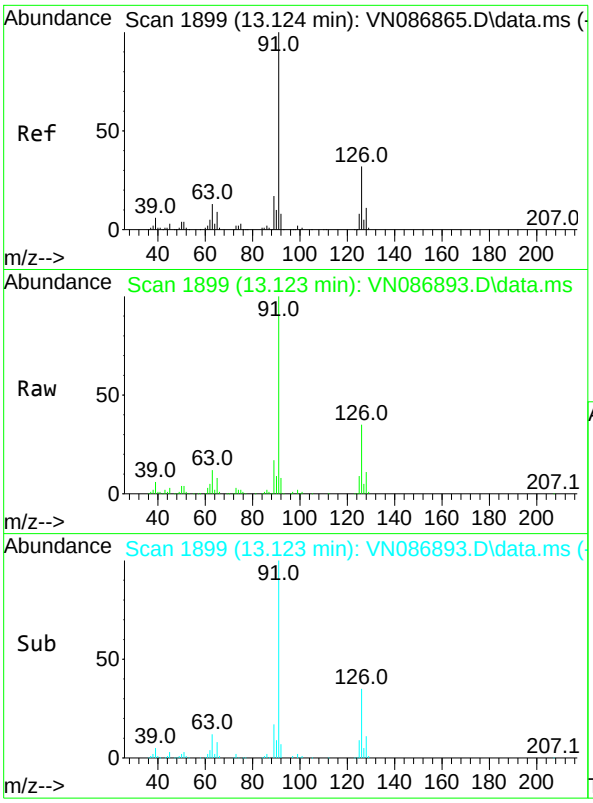


#78
n-propylbenzene
Concen: 19.379 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 346865

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2



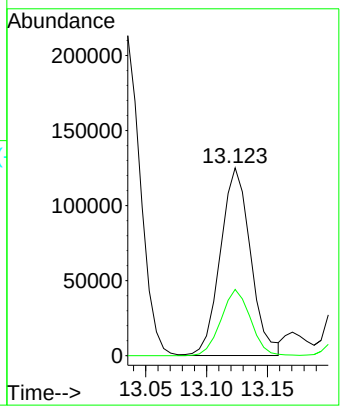


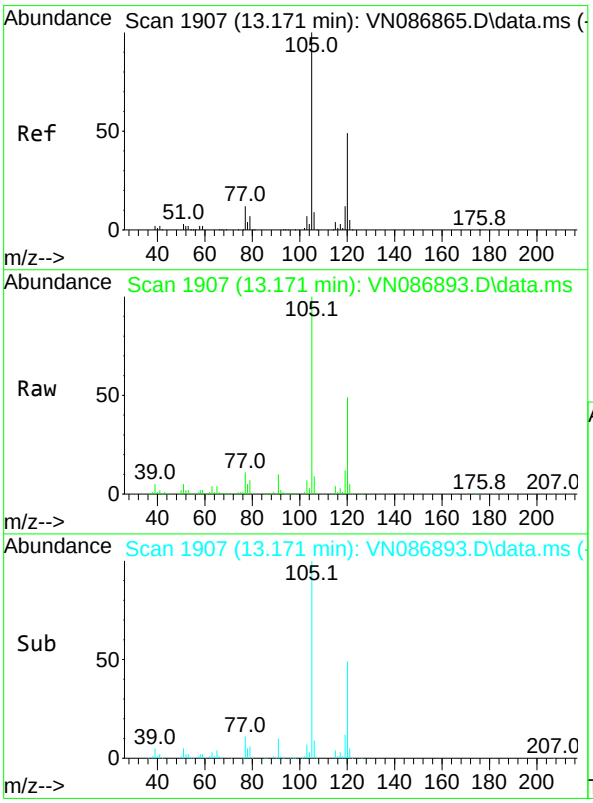
#79
2-Chlorotoluene
Concen: 20.152 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 91 Resp: 216311

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.2	48.5

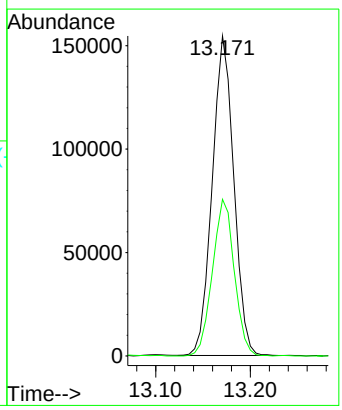


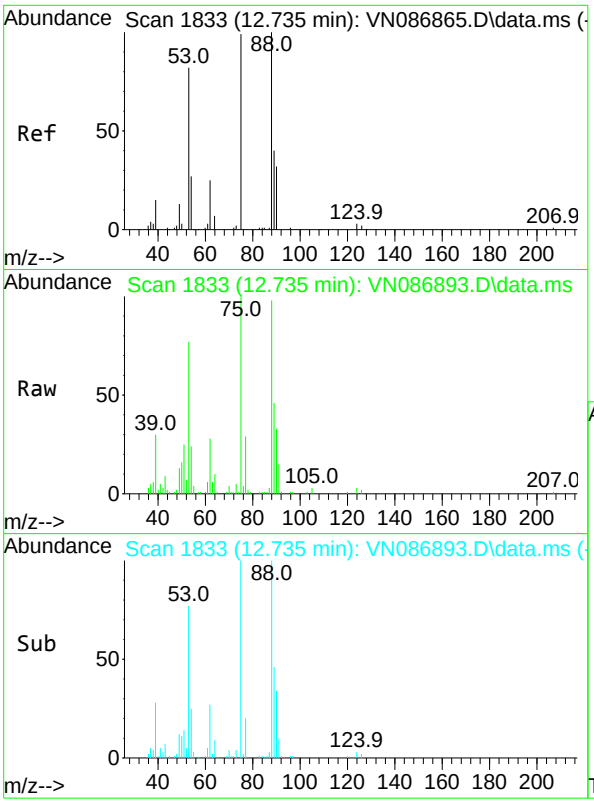


#80
1,3,5-Trimethylbenzene
Concen: 20.079 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 244158

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6



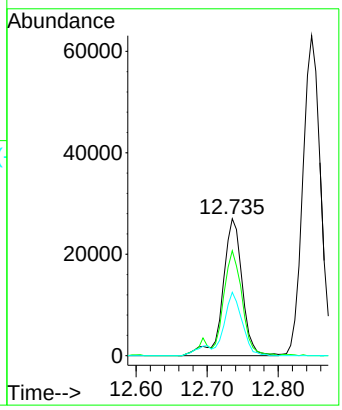


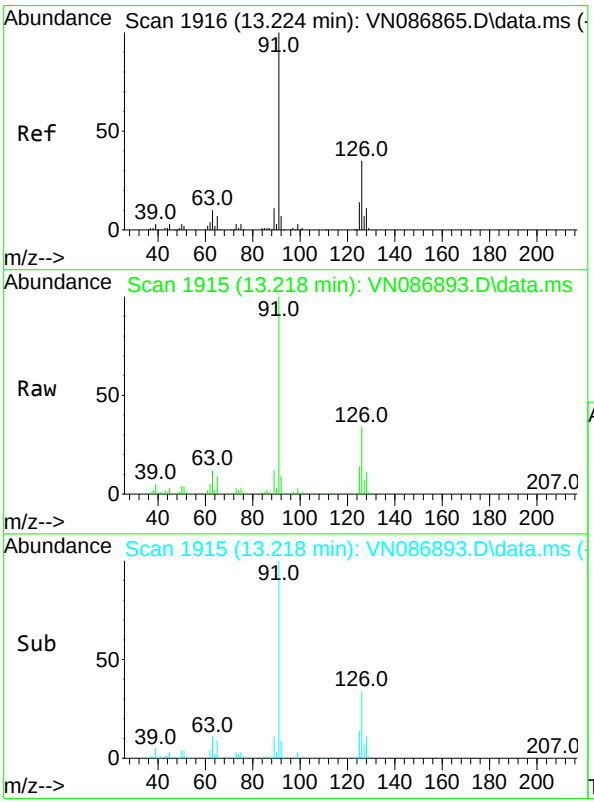
#81
trans-1,4-Dichloro-2-butene
Concen: 24.461 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 75 Resp: 51065

Ion	Ratio	Lower	Upper
75	100		
53	72.4	66.6	99.8
89	42.1	36.7	55.1

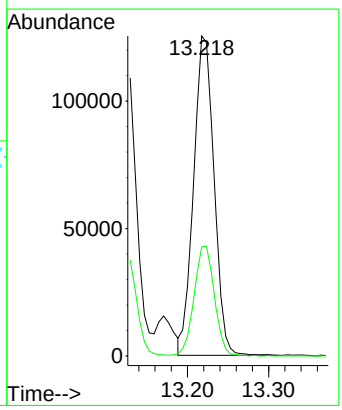


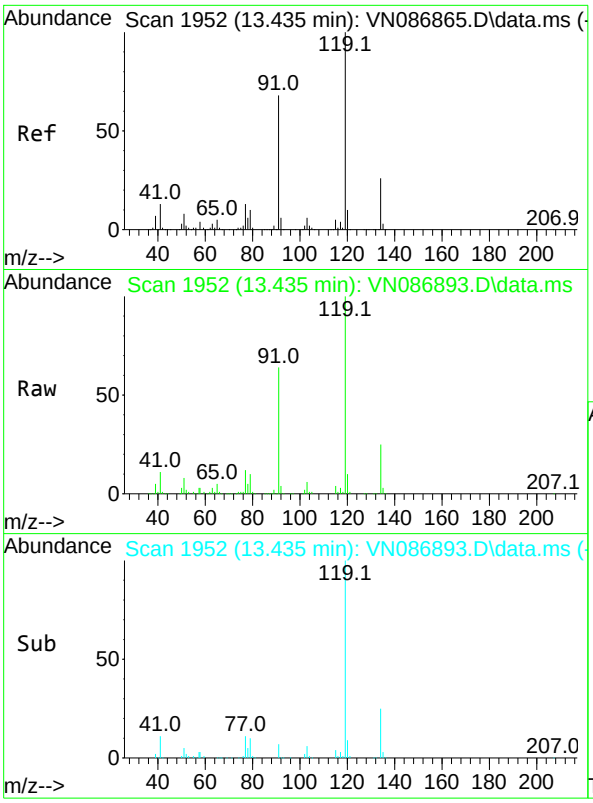


#82
4-Chlorotoluene
Concen: 20.227 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 91 Resp: 219687

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.1



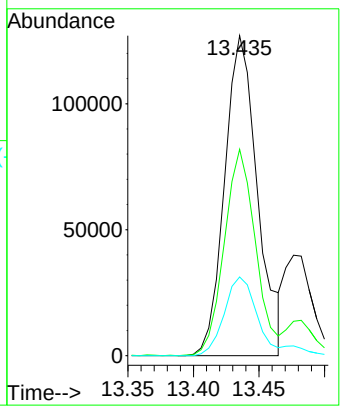


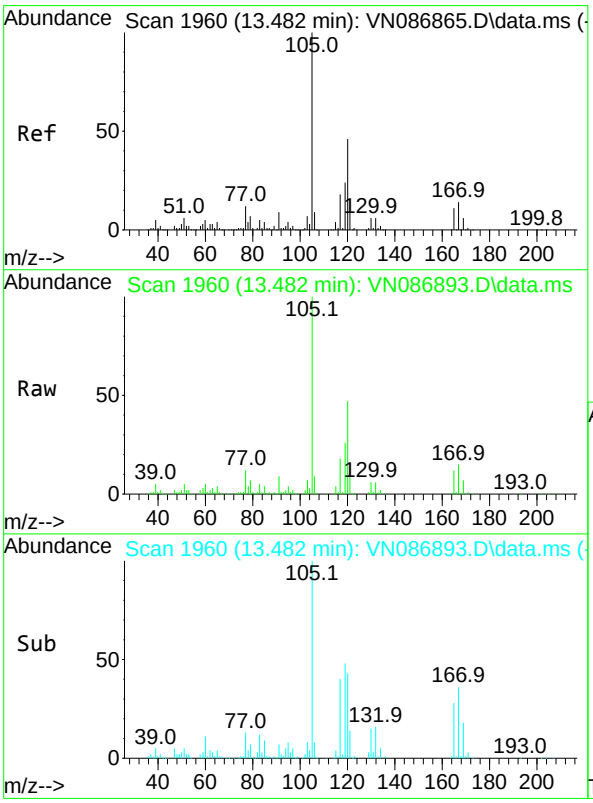
#83
tert-Butylbenzene
Concen: 19.927 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:119 Resp: 221806

Ion	Ratio	Lower	Upper
119	100		
91	61.3	32.1	96.5
134	26.2	13.4	40.1

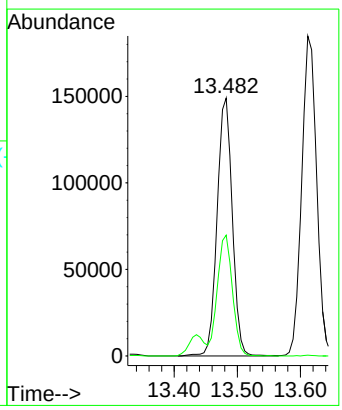


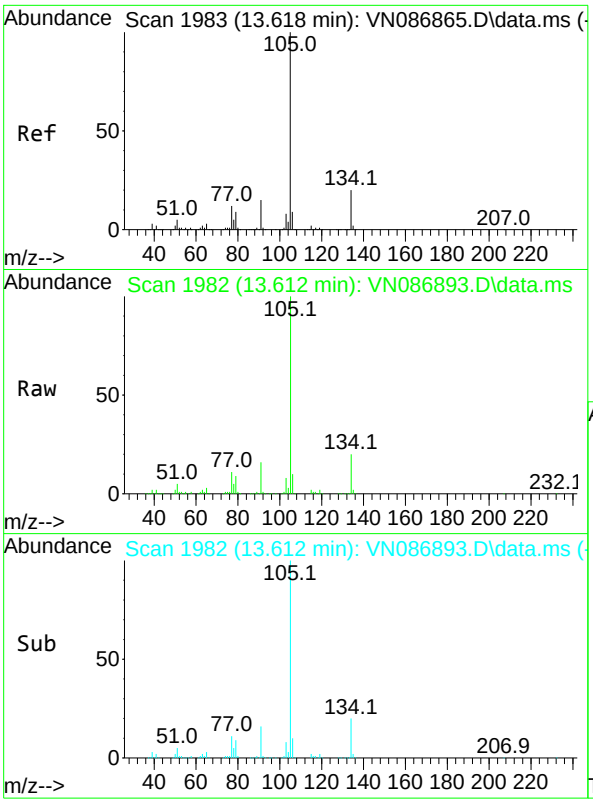


#84
1,2,4-Trimethylbenzene
Concen: 20.416 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:105 Resp: 248941

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6



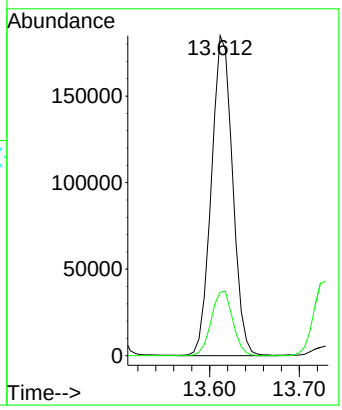


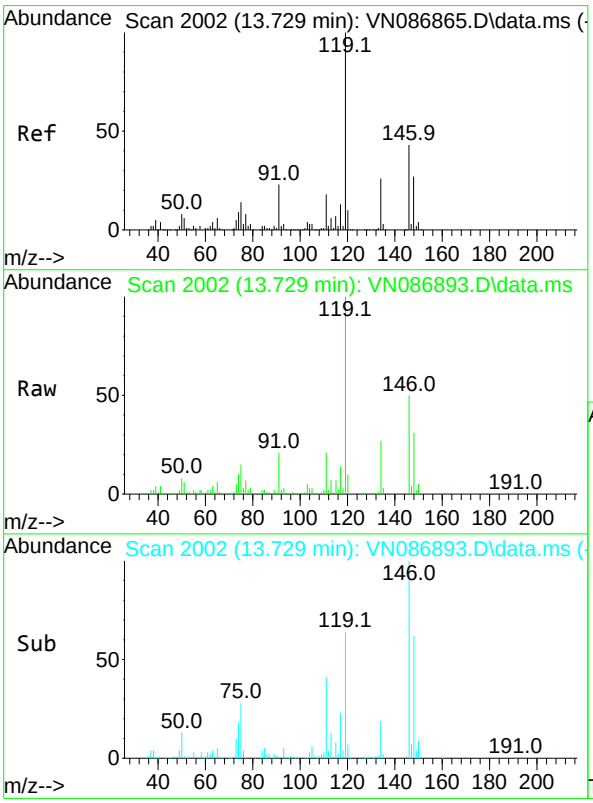
#85
sec-Butylbenzene
Concen: 18.792 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:105 Resp: 303760

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

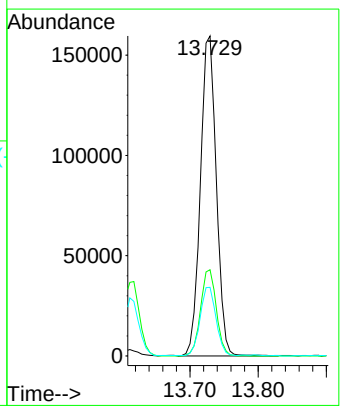


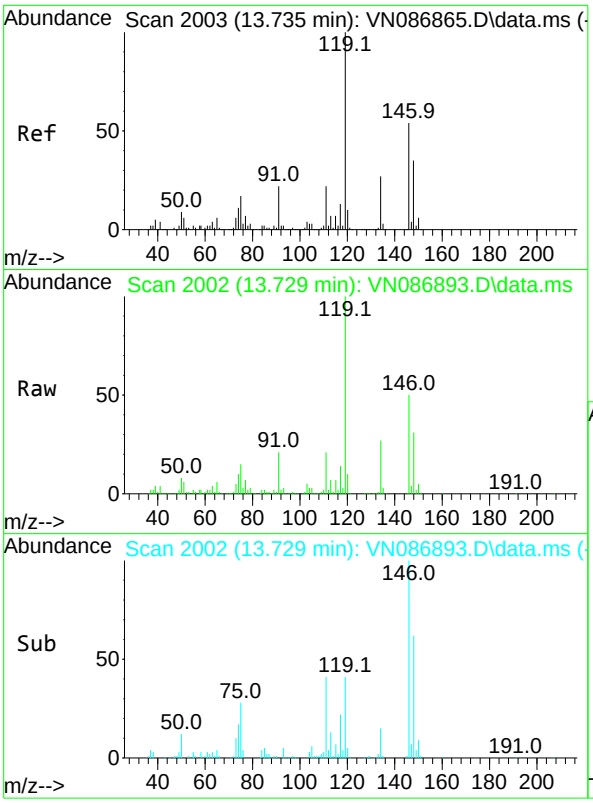


#86
p-Isopropyltoluene
Concen: 19.440 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:119 Resp: 259754

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	21.2	11.5	34.4



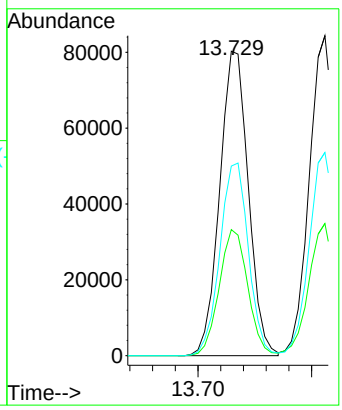


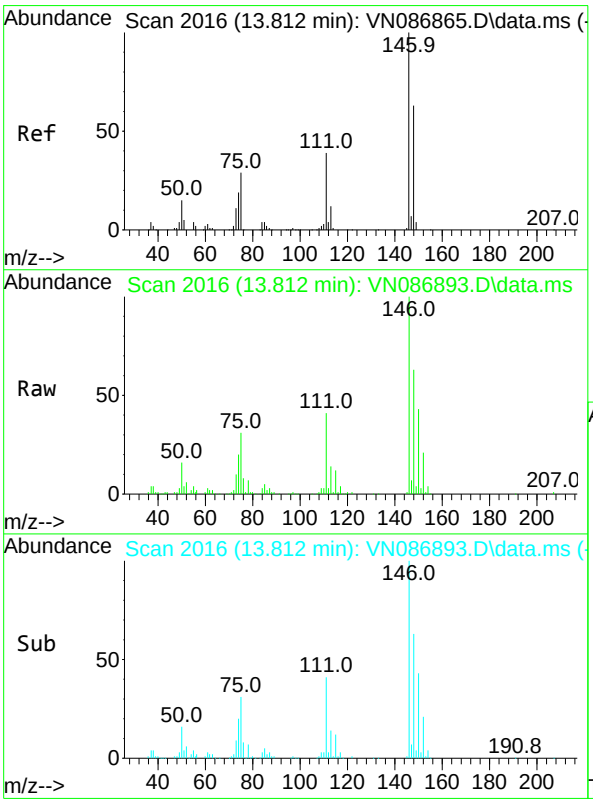
#87
1,3-Dichlorobenzene
Concen: 21.181 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:146 Resp: 140762

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	63.0	32.0	96.2

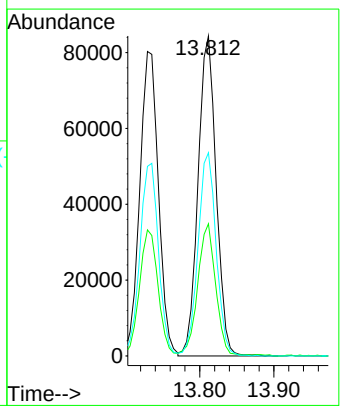


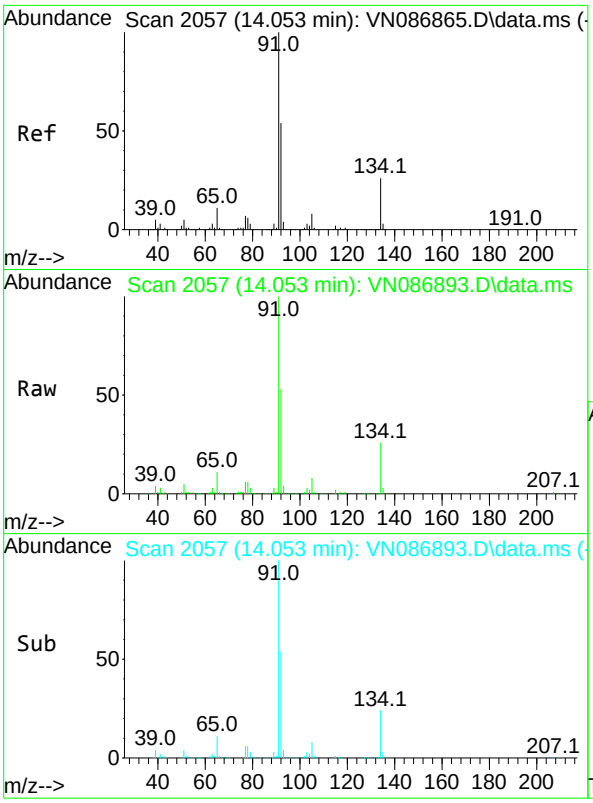


#88
1,4-Dichlorobenzene
Concen: 21.117 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:146 Resp: 143075

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.6	31.8	95.4



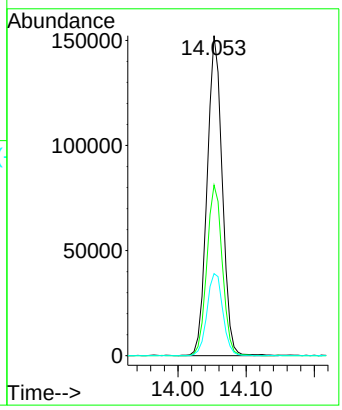


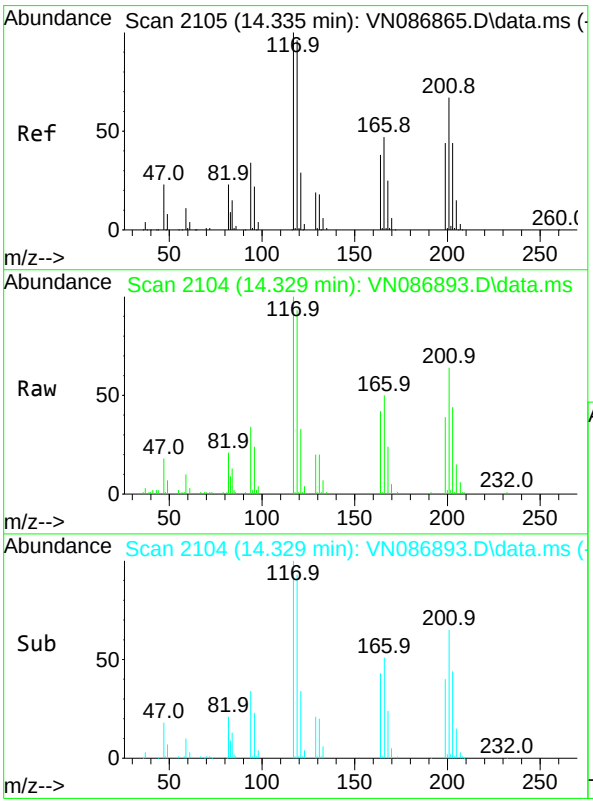
#89
n-Butylbenzene
Concen: 18.204 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion: 91 Resp: 235600

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	26.8	13.0	39.0

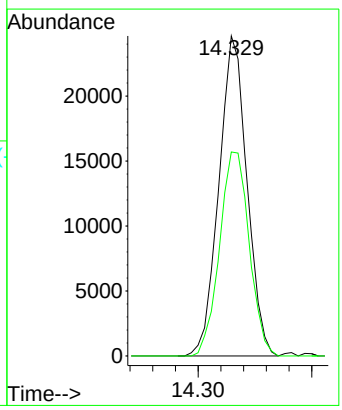


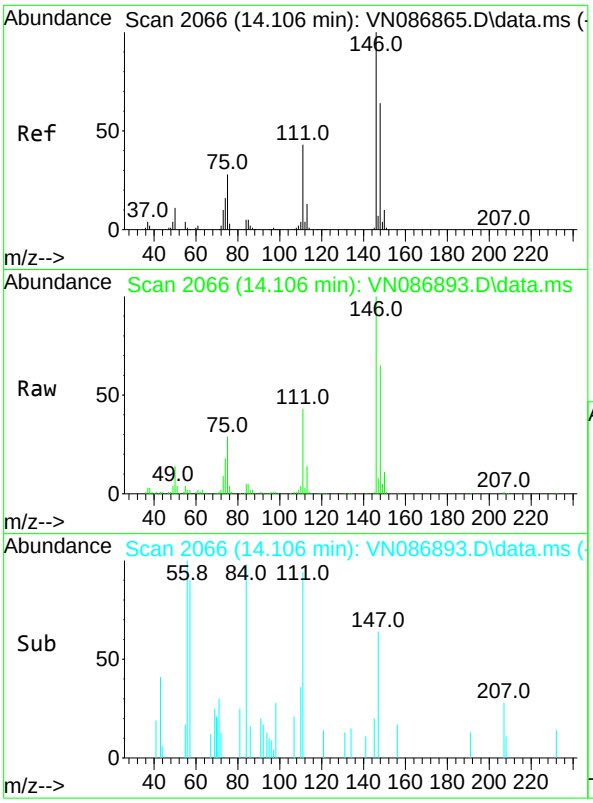


#90
Hexachloroethane
Concen: 18.625 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:117 Resp: 42184

Ion	Ratio	Lower	Upper
117	100		
201	67.4	33.2	99.6



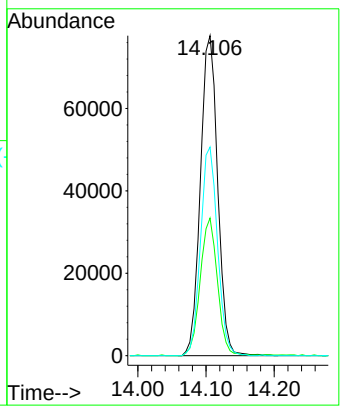


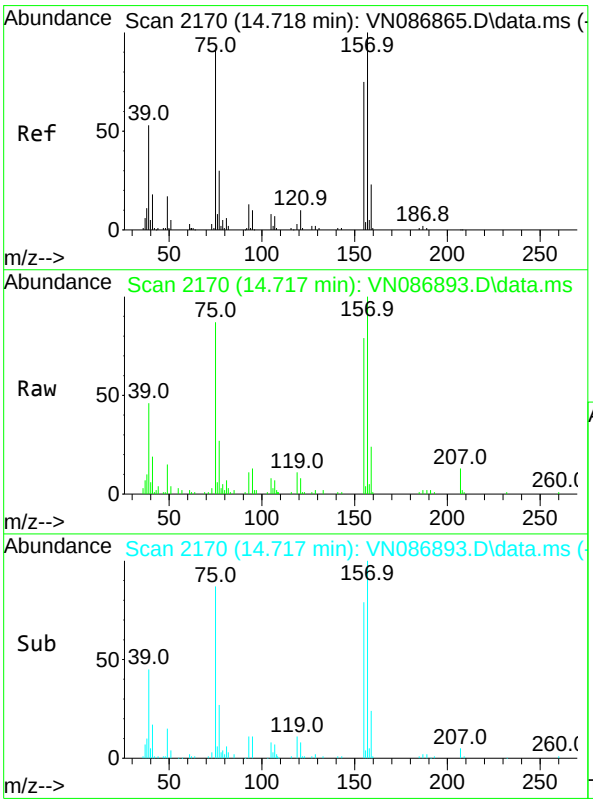
#91
1,2-Dichlorobenzene
Concen: 21.435 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:146 Resp: 136855

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	64.2	31.7	95.1

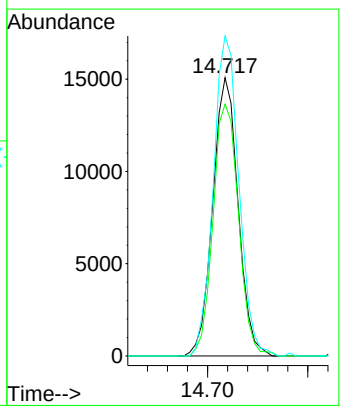


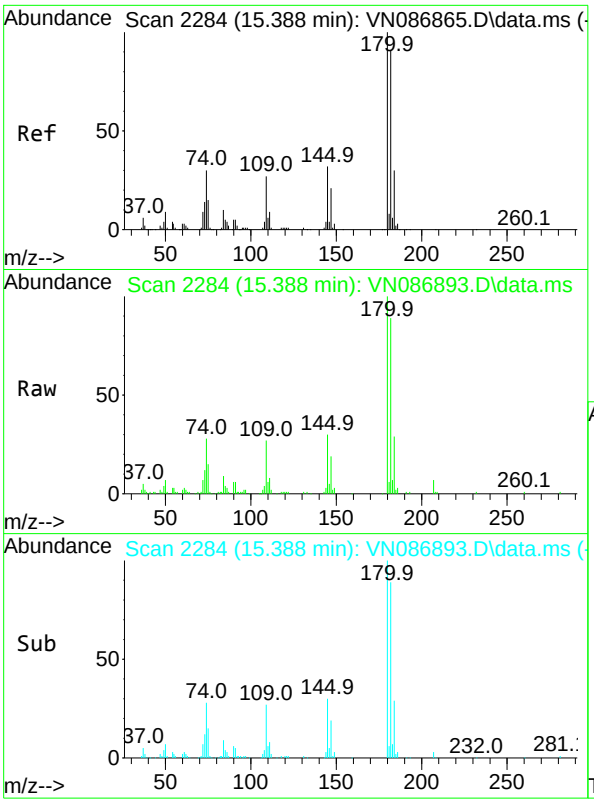


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.219 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion: 75 Resp: 26513

Ion	Ratio	Lower	Upper
75	100		
155	90.6	41.1	123.4
157	115.7	52.7	158.1



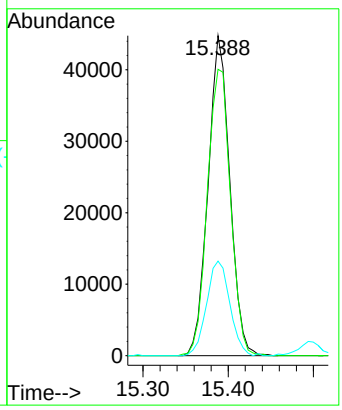


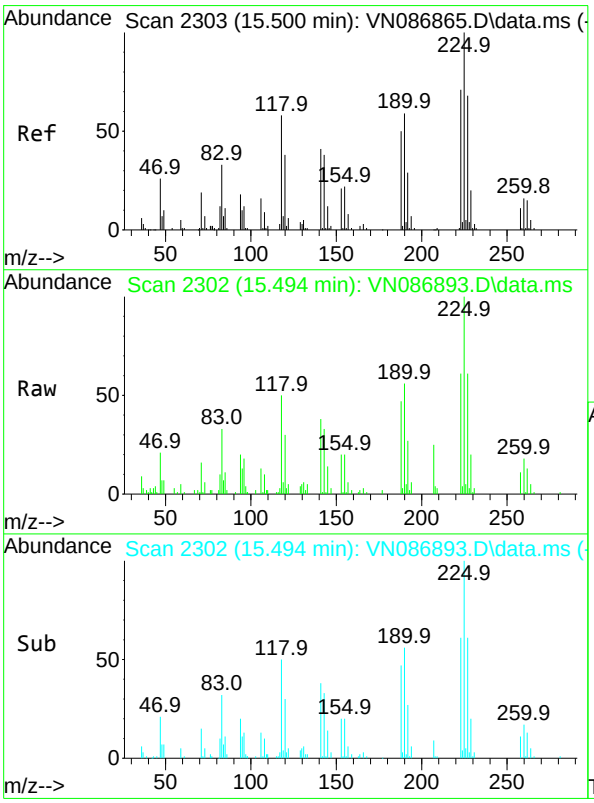
#93
1,2,4-Trichlorobenzene
Concen: 19.464 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:180 Resp: 79356

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	31.7	16.0	47.9

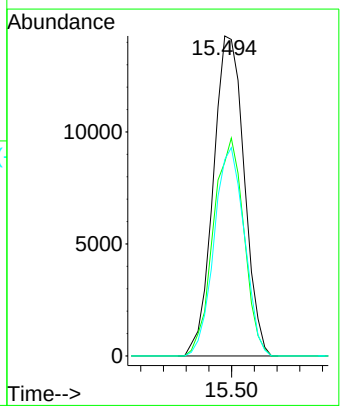


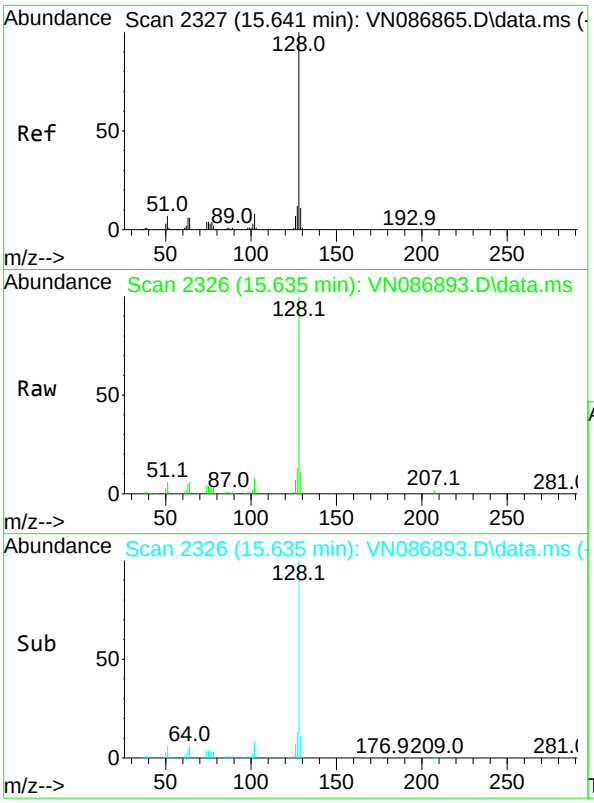


#94
Hexachlorobutadiene
Concen: 17.787 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:225 Resp: 27017

Ion	Ratio	Lower	Upper
225	100		
223	67.1	33.5	100.4
227	63.7	31.1	93.5



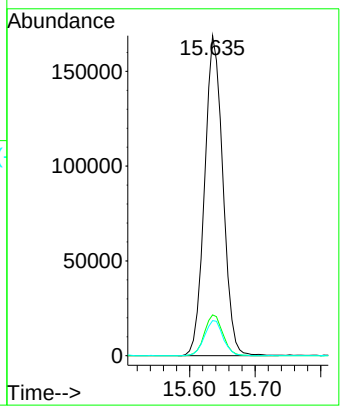


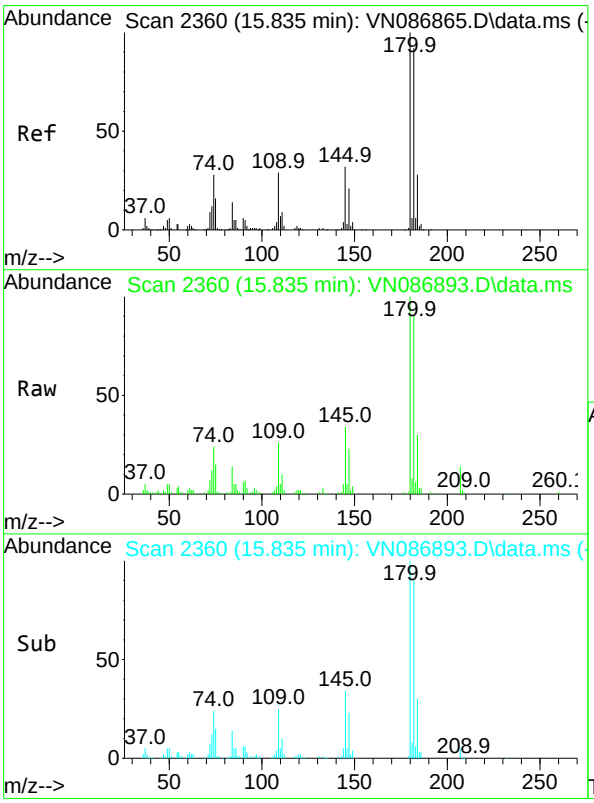
#95
Naphthalene
Concen: 21.587 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tgt Ion:128 Resp: 327594

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.2	8.8	13.2

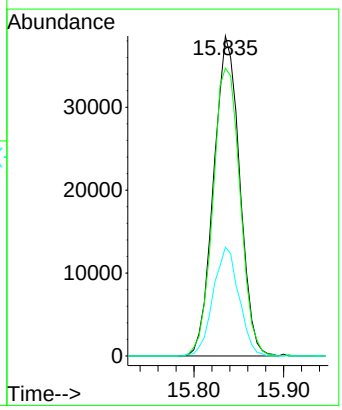




#96
1,2,3-Trichlorobenzene
Concen: 19.122 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086893.D
Acq: 09 Jun 2025 10:50

Tgt Ion:180 Resp: 77458

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.0
145	33.8	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	261604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	155677	44.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.900%			
35) Dibromofluoromethane	8.177	113	138371	50.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.565	98	523398	48.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.847	95	192426	47.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	49965	19.156	ug/l	97
3) Chloromethane	2.401	50	52285	15.523	ug/l	97
4) Vinyl Chloride	2.554	62	63164	18.179	ug/l	98
5) Bromomethane	3.001	94	33037	16.991	ug/l	97
6) Chloroethane	3.159	64	40895	18.222	ug/l	96
7) Trichlorofluoromethane	3.536	101	86708	19.101	ug/l	94
8) Diethyl Ether	3.983	74	39083	19.760	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.406	101	51965	18.220	ug/l	97
10) Methyl Iodide	4.618	142	46201	12.496	ug/l	99
11) Tert butyl alcohol	5.536	59	79160	83.292	ug/l	100
12) 1,1-Dichloroethene	4.365	96	56740	19.487	ug/l	93
13) Acrolein	4.206	56	25830	85.862	ug/l	96
14) Allyl chloride	5.048	41	79237	16.409	ug/l	95
15) Acrylonitrile	5.736	53	194819	87.701	ug/l	100
16) Acetone	4.448	43	142818	76.889	ug/l	98
17) Carbon Disulfide	4.742	76	140783	17.480	ug/l	98
18) Methyl Acetate	5.048	43	91360	16.878	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	202158	19.175	ug/l	99
20) Methylene Chloride	5.300	84	62323	17.922	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	60645	18.720	ug/l	92
22) Diisopropyl ether	6.683	45	179323	17.617	ug/l	94
23) Vinyl Acetate	6.618	43	758661	88.215	ug/l	97
24) 1,1-Dichloroethane	6.583	63	107933	18.425	ug/l	98
25) 2-Butanone	7.494	43	248457	82.292	ug/l	95
26) 2,2-Dichloropropane	7.500	77	85897	18.851	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	73368	18.937	ug/l	96
28) Bromochloromethane	7.824	49	47379	16.450	ug/l	87
29) Tetrahydrofuran	7.853	42	163380	83.068	ug/l	93
30) Chloroform	7.977	83	107556	18.386	ug/l	99
31) Cyclohexane	8.271	56	90403	15.914	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	92483	18.588	ug/l	93
36) 1,1-Dichloropropene	8.377	75	78110	19.123	ug/l	99
37) Ethyl Acetate	7.571	43	93294	17.942	ug/l	98
38) Carbon Tetrachloride	8.371	117	77600	19.351	ug/l	99
39) Methylcyclohexane	9.606	83	91033	16.268	ug/l	96
40) Benzene	8.612	78	254036	19.020	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	52205	17.877	ug/l		95
42) 1,2-Dichloroethane	8.677	62	75987	18.757	ug/l		98
43) Isopropyl Acetate	8.694	43	146007	17.495	ug/l		95
44) Trichloroethene	9.359	130	64635	20.408	ug/l		96
45) 1,2-Dichloropropane	9.624	63	60591	18.646	ug/l		100
46) Dibromomethane	9.712	93	43406	20.111	ug/l		96
47) Bromodichloromethane	9.894	83	85075	19.158	ug/l		100
48) Methyl methacrylate	9.682	41	66751	17.378	ug/l		96
49) 1,4-Dioxane	9.700	88	25844	369.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	448816	89.334	ug/l		96
52) Toluene	10.630	92	161571	19.794	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	98270	19.790	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	104098	19.593	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	61721	19.651	ug/l		97
56) Ethyl methacrylate	10.882	69	100979	20.185	ug/l		93
57) 1,3-Dichloropropane	11.165	76	105036	19.278	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	239383	80.228	ug/l		96
59) 2-Hexanone	11.206	43	279871	86.483	ug/l		91
60) Dibromochloromethane	11.359	129	66878	20.437	ug/l		99
61) 1,2-Dibromoethane	11.471	107	64475	20.028	ug/l		99
64) Tetrachloroethene	11.106	164	47676	19.204	ug/l		96
65) Chlorobenzene	11.894	112	175411	20.274	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	58317	20.968	ug/l		97
67) Ethyl Benzene	11.965	91	290096	19.466	ug/l		99
68) m/p-Xylenes	12.071	106	226281	39.665	ug/l		98
69) o-Xylene	12.394	106	109915	20.117	ug/l		97
70) Styrene	12.412	104	187888	20.096	ug/l		99
71) Bromoform	12.576	173	44372	21.533	ug/l	#	100
73) Isopropylbenzene	12.694	105	266966	20.030	ug/l		99
74) N-amyl acetate	12.524	43	86229	18.514	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	96951	21.472	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	130104	29.917	ug/l		66
77) Bromobenzene	12.982	156	67800	22.181	ug/l		93
78) n-propylbenzene	13.035	91	314811	19.436	ug/l		99
79) 2-Chlorotoluene	13.123	91	189034	19.460	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	220034	19.996	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	41191	21.803	ug/l		92
82) 4-Chlorotoluene	13.218	91	196983	20.042	ug/l		99
83) tert-Butylbenzene	13.435	119	192556	19.116	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	220449	19.978	ug/l		99
85) sec-Butylbenzene	13.612	105	274677	18.777	ug/l		98
86) p-Isopropyltoluene	13.729	119	231742	19.165	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	124137	20.642	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	126650	20.656	ug/l		100
89) n-Butylbenzene	14.053	91	207489	17.715	ug/l		98
90) Hexachloroethane	14.329	117	39127	19.090	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	121942	21.105	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21661	20.059	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	70202	19.028	ug/l		100
94) Hexachlorobutadiene	15.500	225	24178	17.589	ug/l		96
95) Naphthalene	15.635	128	379545	27.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	65394	17.840	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

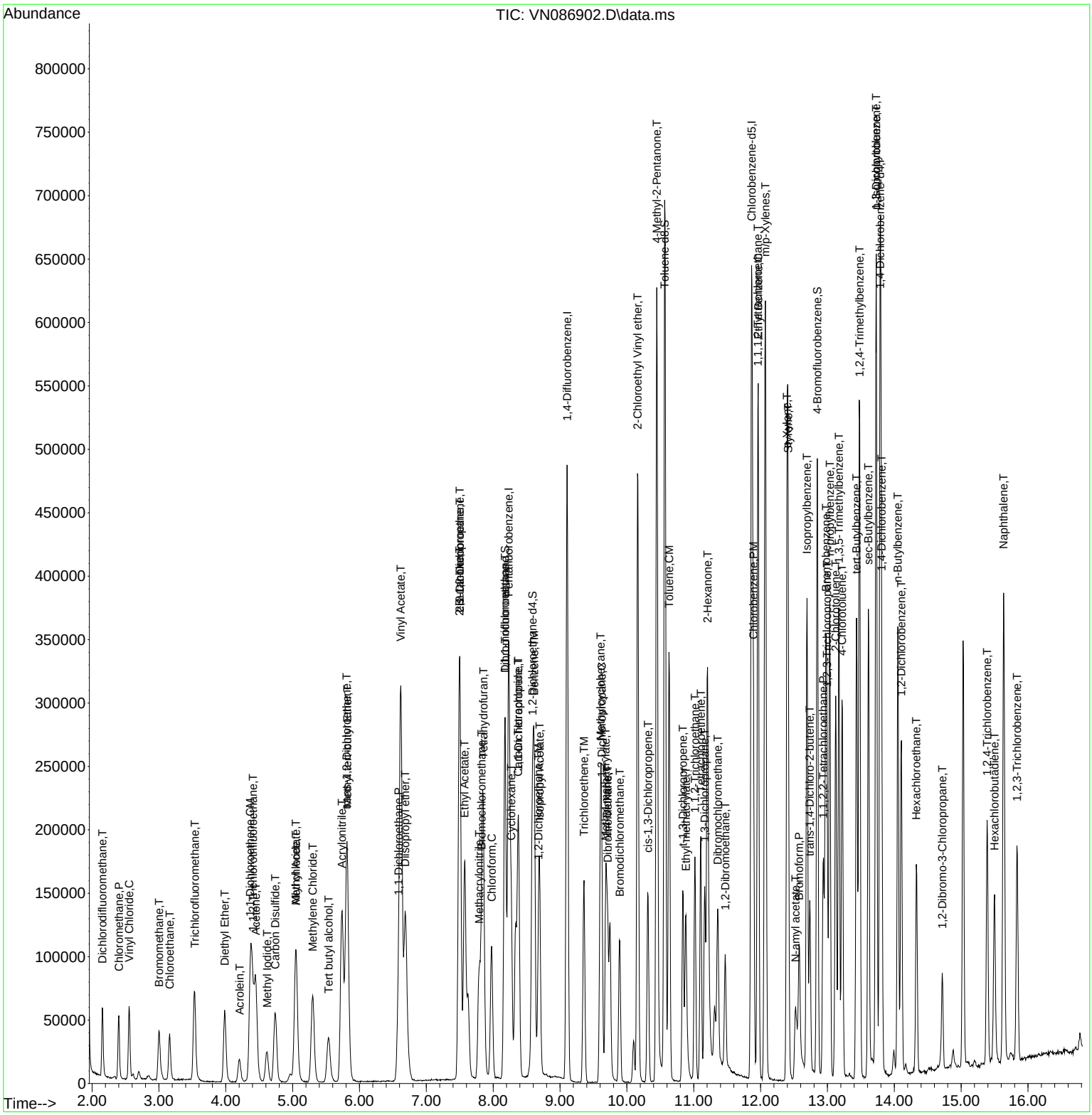
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

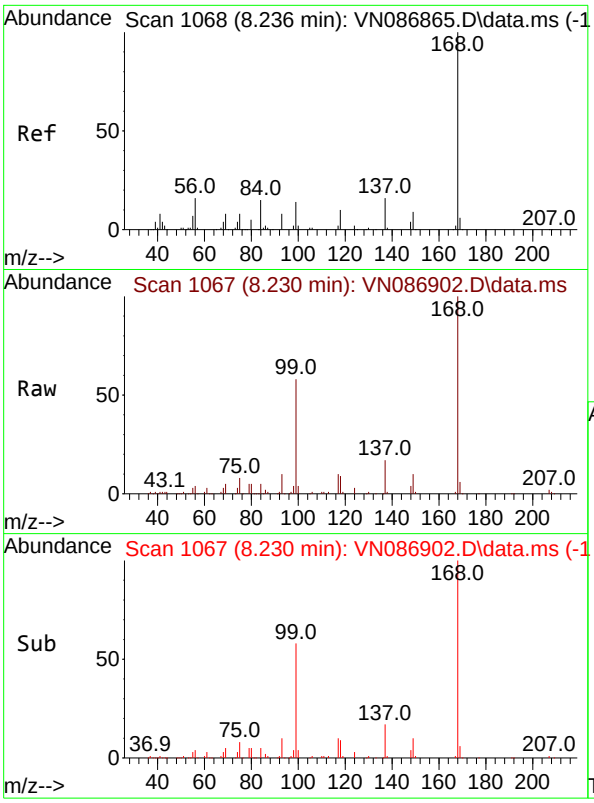
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



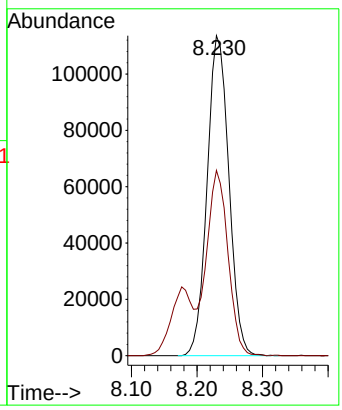


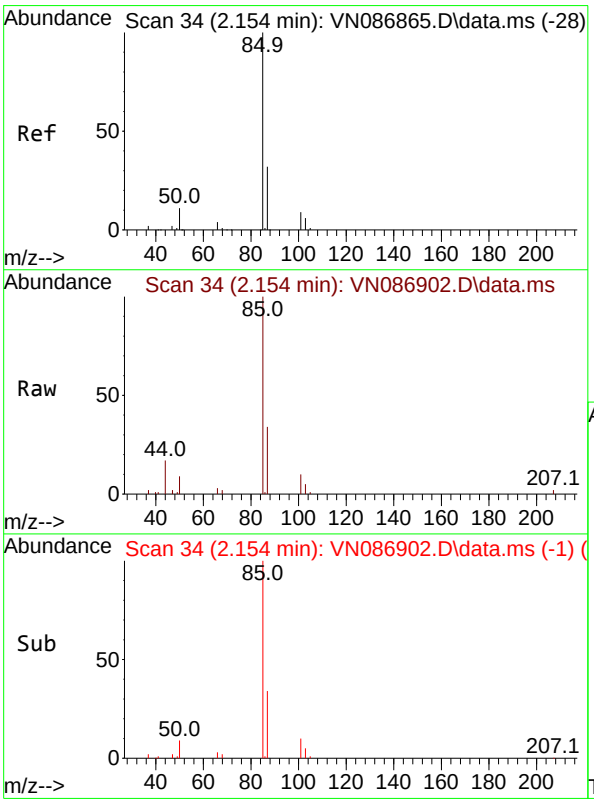
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:168 Resp: 261604

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

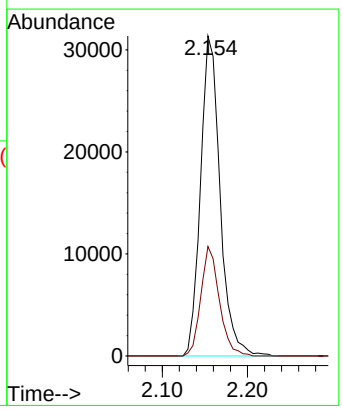


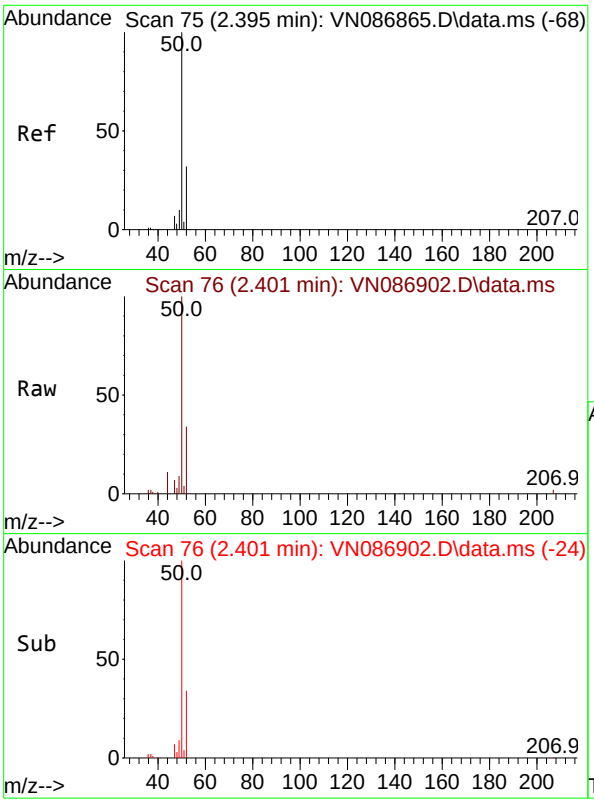


#2
Dichlorodifluoromethane
Concen: 19.156 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 85 Resp: 49965

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.2	48.6



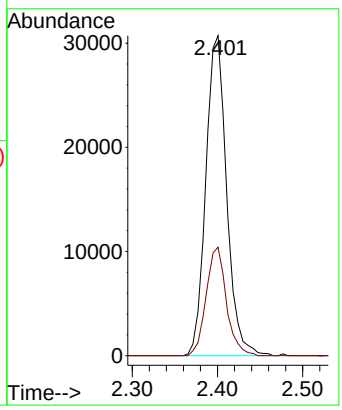


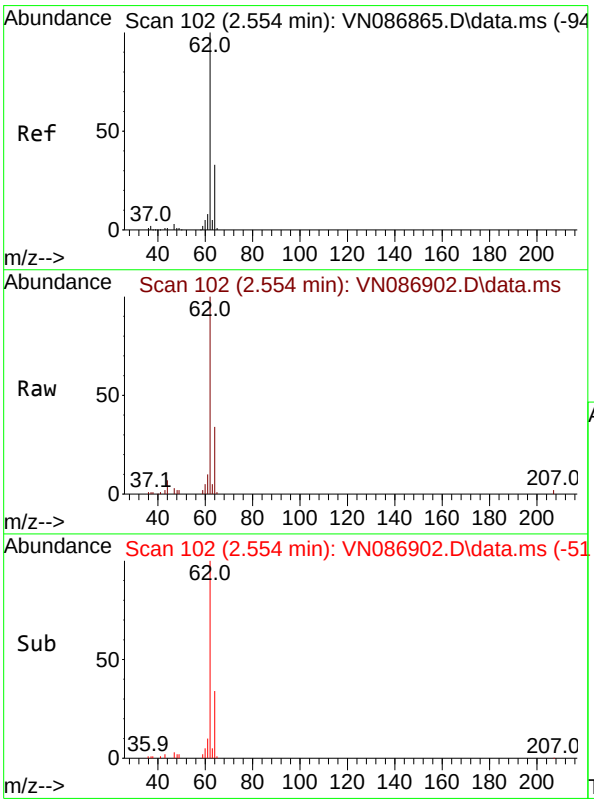
#3
Chloromethane
Concen: 15.523 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 50 Resp: 52285

Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.7	38.5

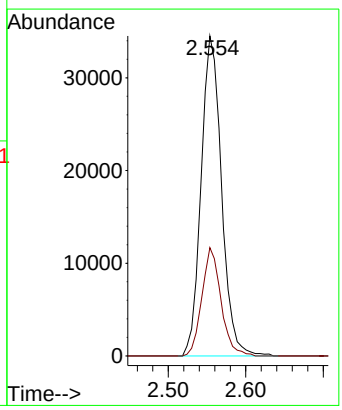


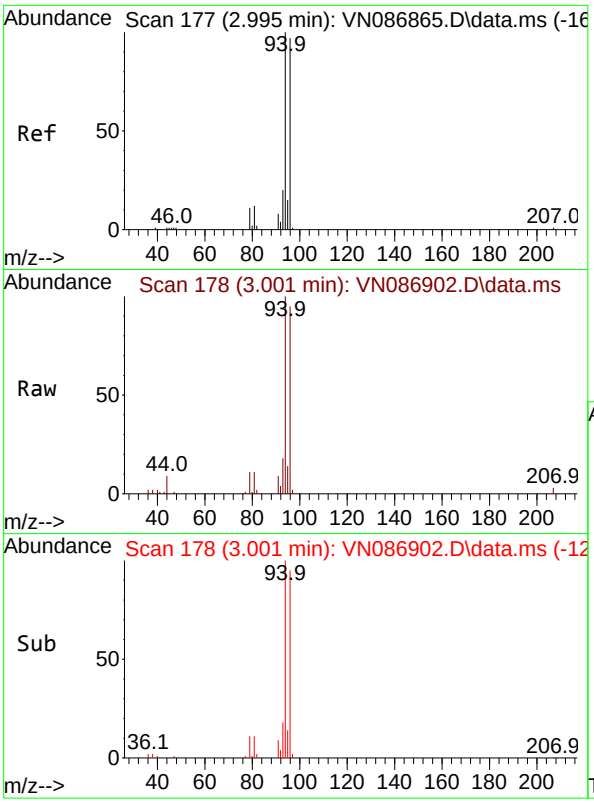


#4
Vinyl Chloride
Concen: 18.179 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 62 Resp: 63164

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.0	39.0



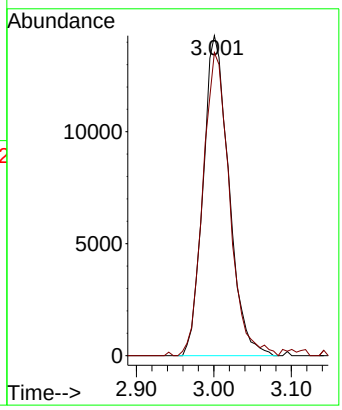


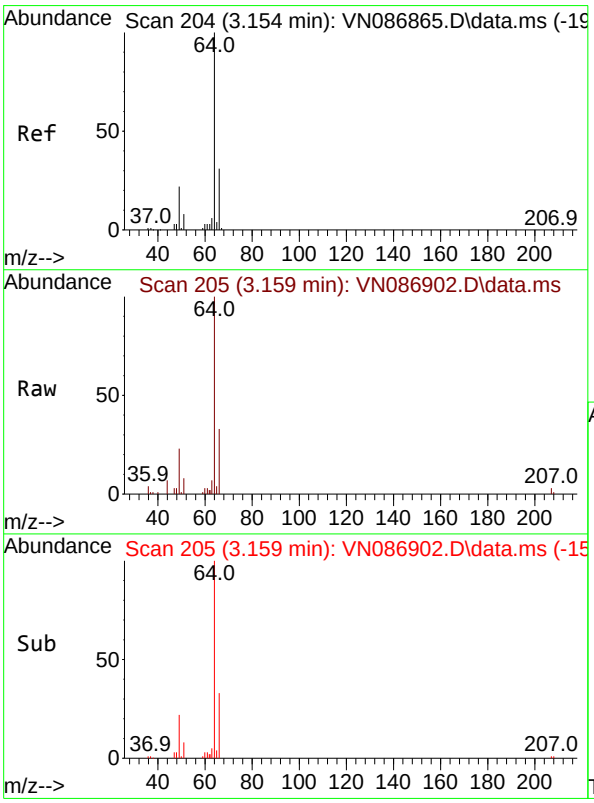
#5
Bromomethane
Concen: 16.991 ug/l
RT: 3.001 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 94 Resp: 33037

Ion	Ratio	Lower	Upper
94	100		
96	94.7	77.9	116.9

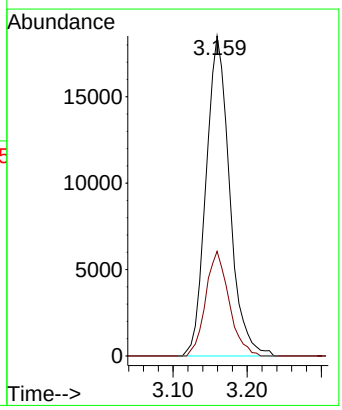


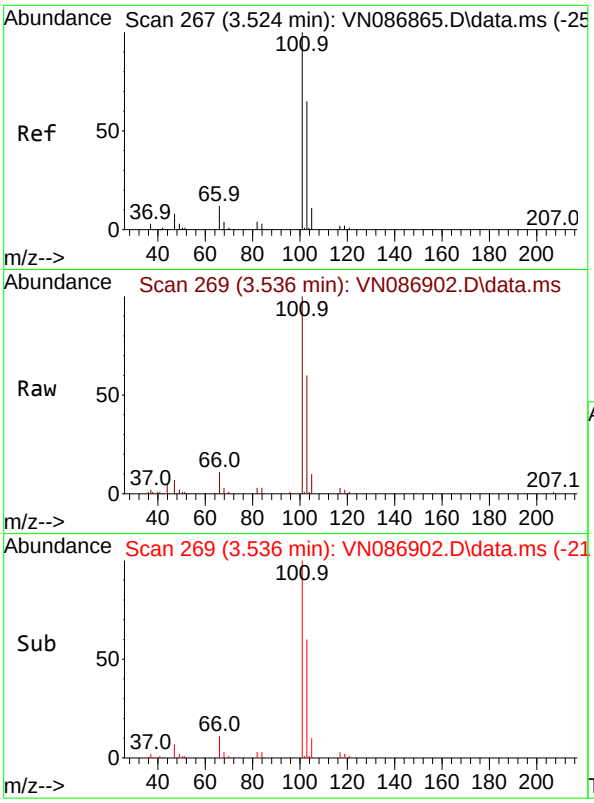


#6
Chloroethane
Concen: 18.222 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 64 Resp: 40895

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8



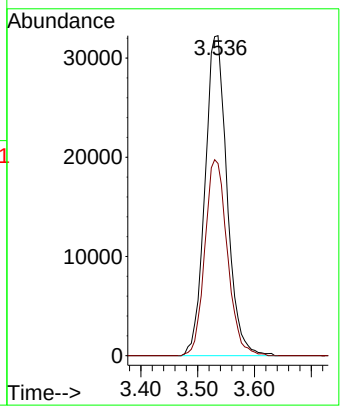


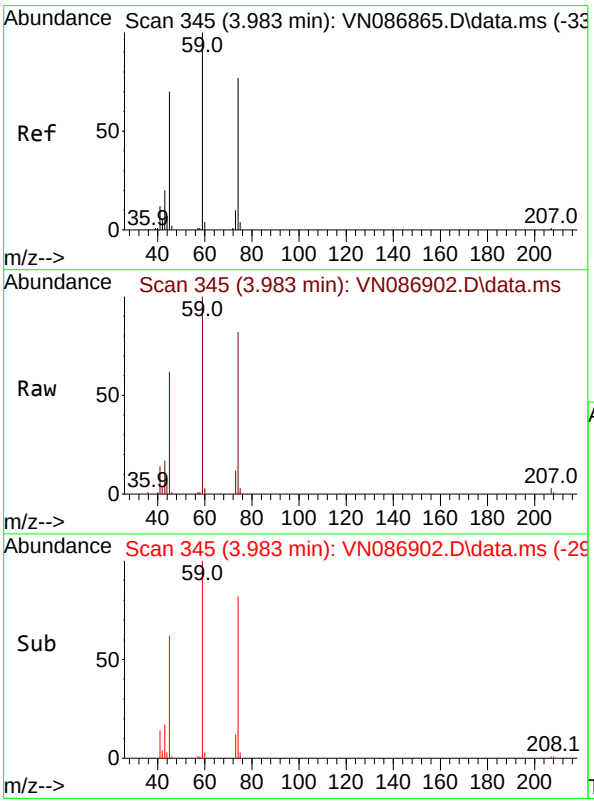
#7
Trichlorofluoromethane
Concen: 19.101 ug/l
RT: 3.536 min Scan# 2
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:101 Resp: 86708

Ion	Ratio	Lower	Upper
101	100		
103	60.1	52.2	78.2

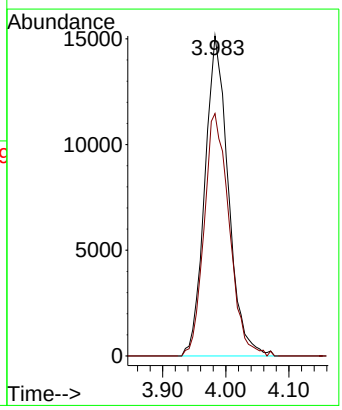


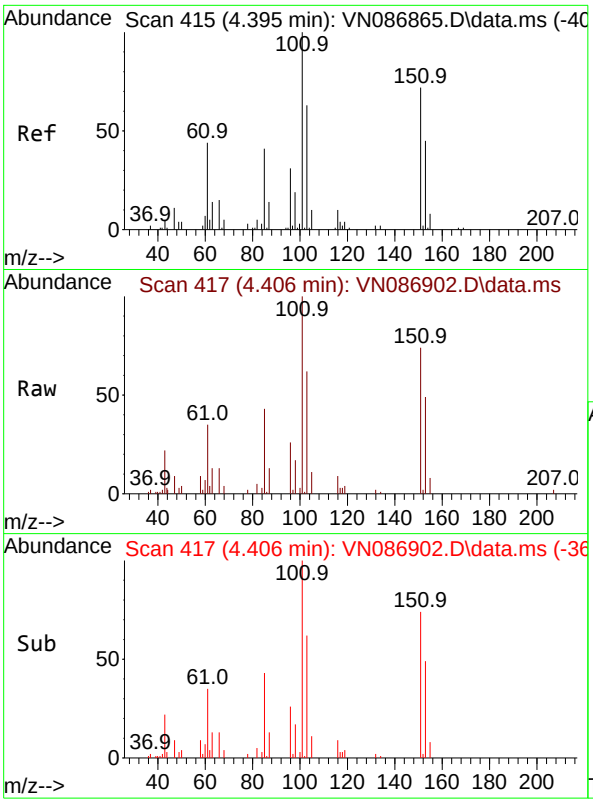


#8
Diethyl Ether
Concen: 19.760 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 74 Resp: 39083

Ion	Ratio	Lower	Upper
74	100		
45	81.0	45.5	136.5



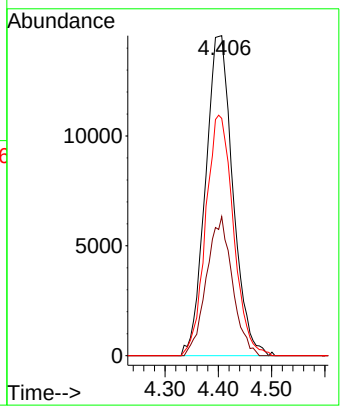


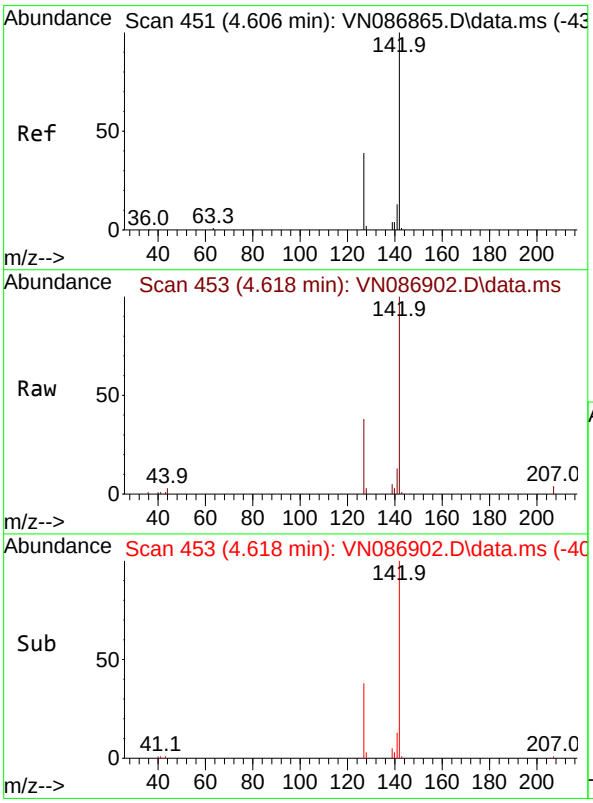
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.220 ug/l
RT: 4.406 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:101 Resp: 51965

Ion	Ratio	Lower	Upper
101	100		
85	41.1	33.8	50.8
151	76.0	58.7	88.1

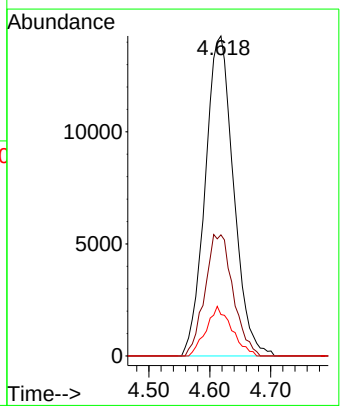


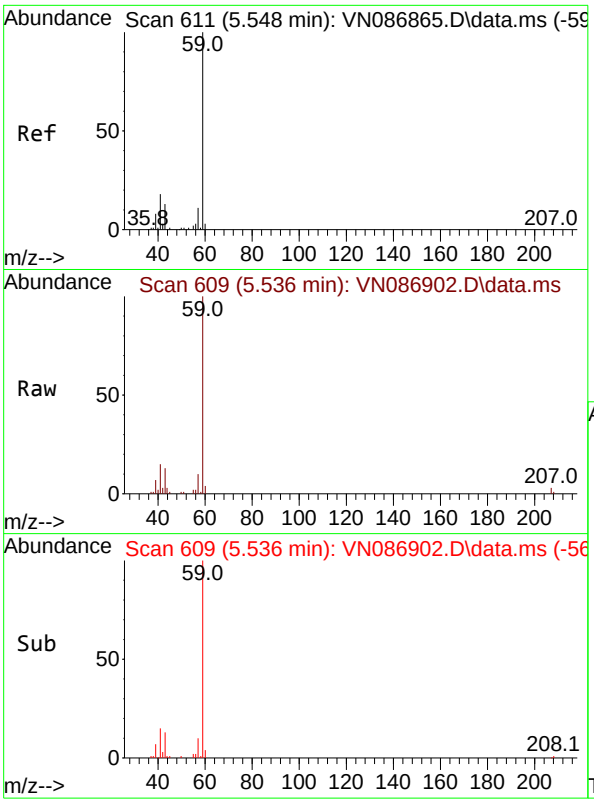


#10
Methyl Iodide
Concen: 12.496 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:142 Resp: 46201

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	12.9	10.4	15.6



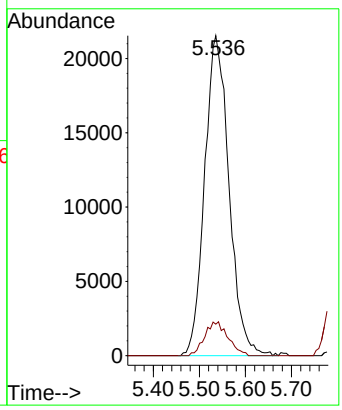


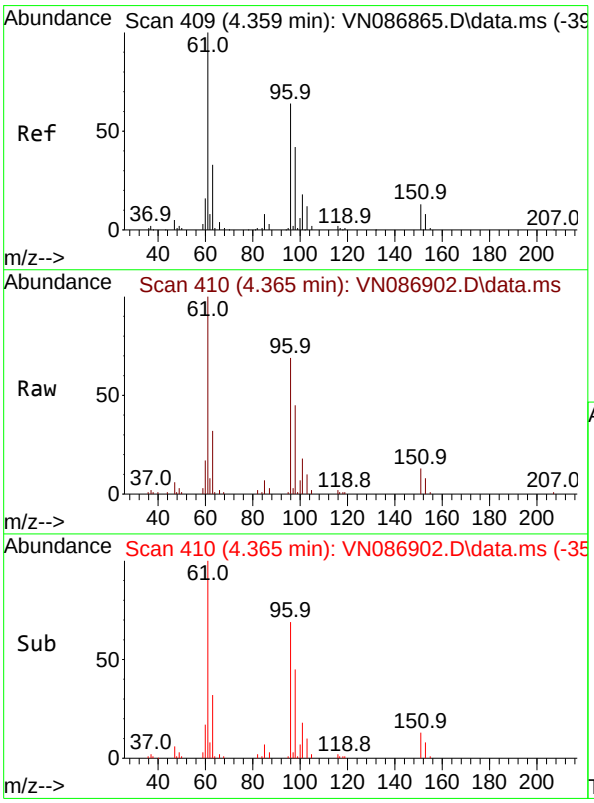
#11
Tert butyl alcohol
Concen: 83.292 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 59 Resp: 79160

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

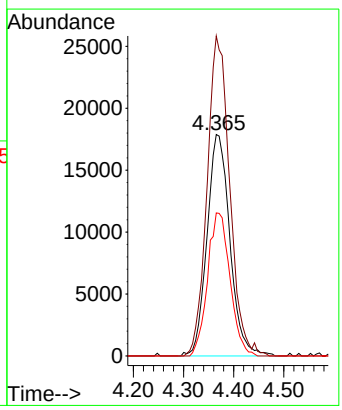


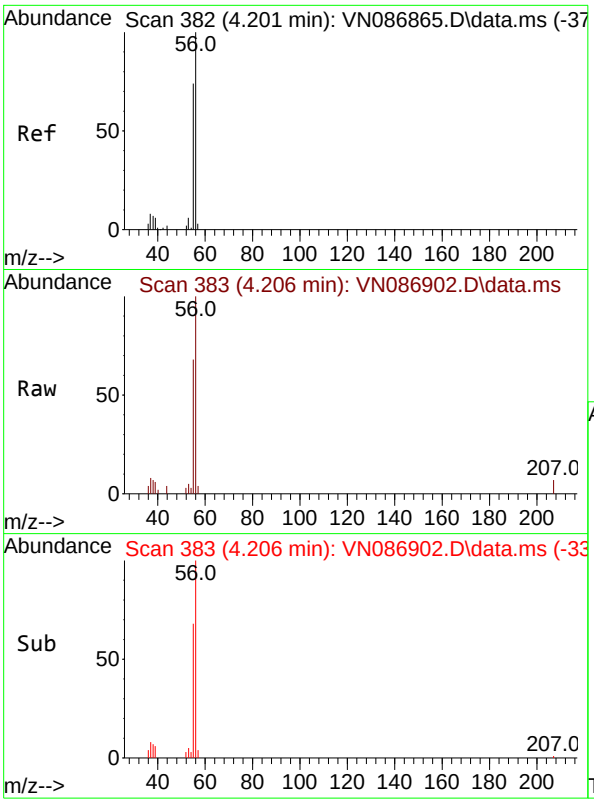


#12
1,1-Dichloroethene
Concen: 19.487 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 96 Resp: 56740

Ion	Ratio	Lower	Upper
96	100		
61	144.5	125.8	188.6
98	64.6	52.5	78.7



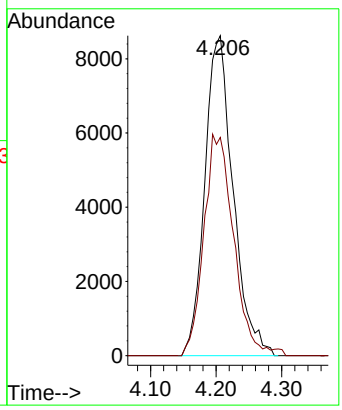


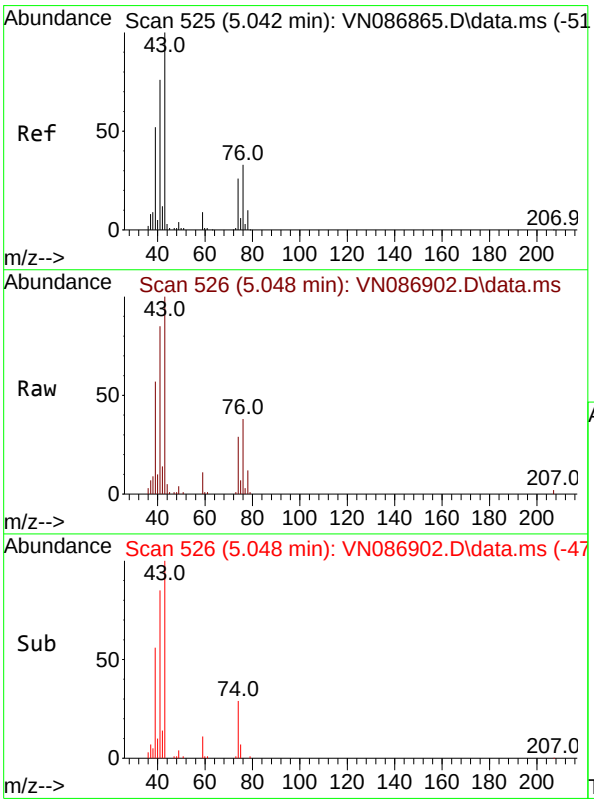
#13
Acrolein
Concen: 85.862 ug/l
RT: 4.206 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 56 Resp: 25830

Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4

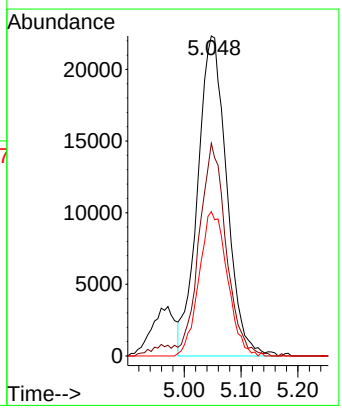


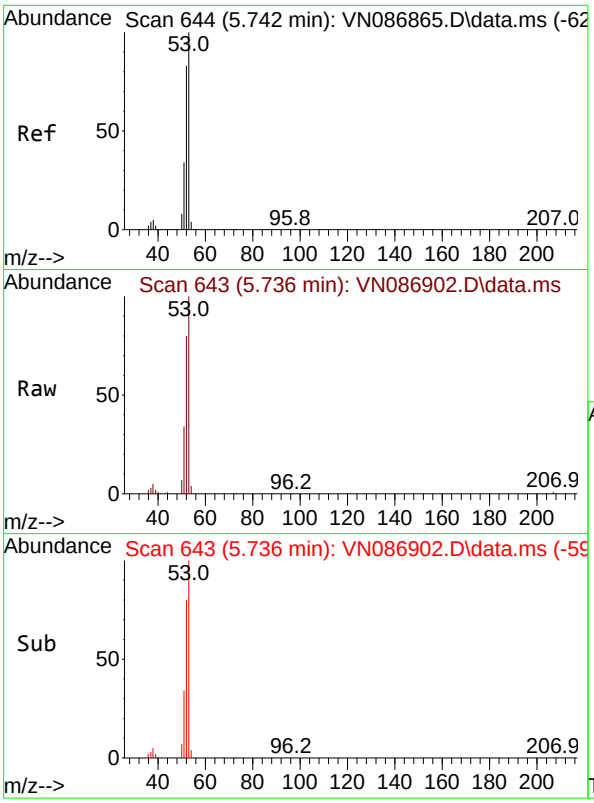


#14
Allyl chloride
Concen: 16.409 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 41 Resp: 79237

Ion	Ratio	Lower	Upper
41	100		
39	61.6	51.3	76.9
76	43.9	31.4	47.0



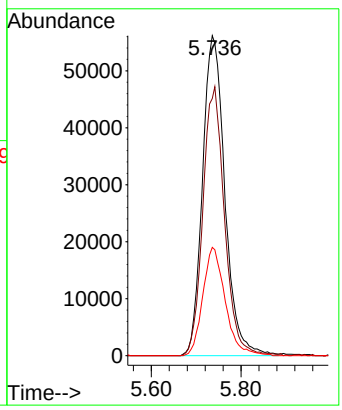


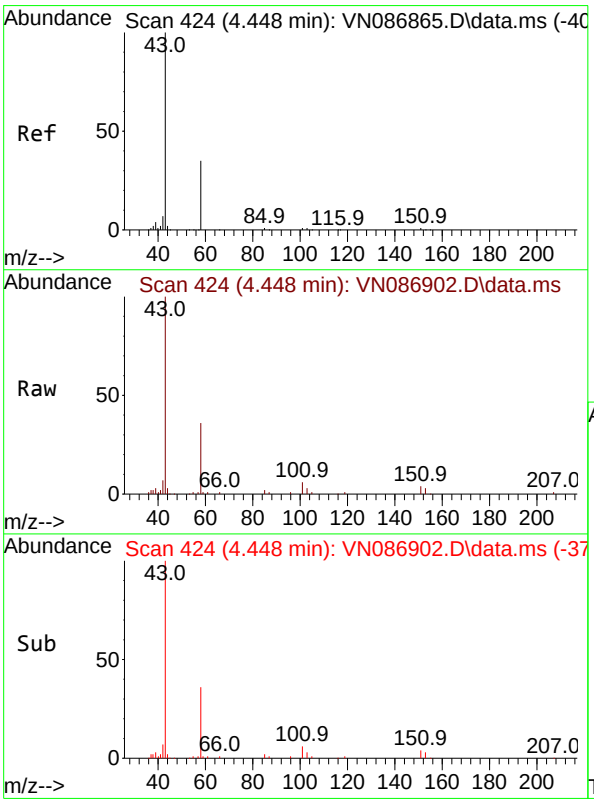
#15
Acrylonitrile
Concen: 87.701 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 53 Resp: 194819

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	33.8	27.2	40.8

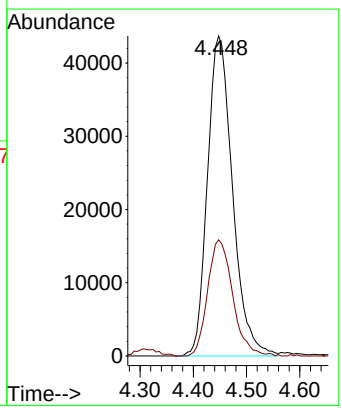


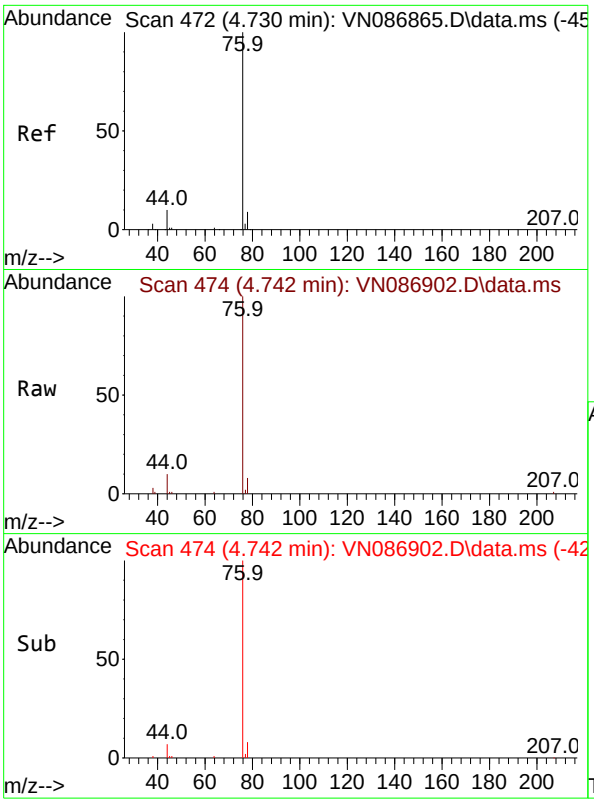


#16
Acetone
Concen: 76.889 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 142818

Ion	Ratio	Lower	Upper
43	100		
58	36.3	28.0	42.0



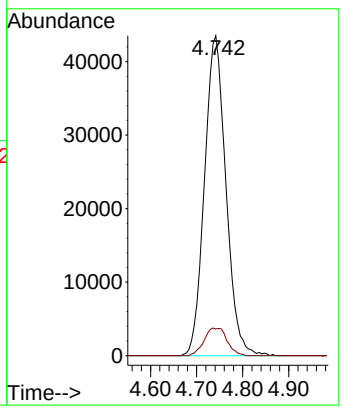


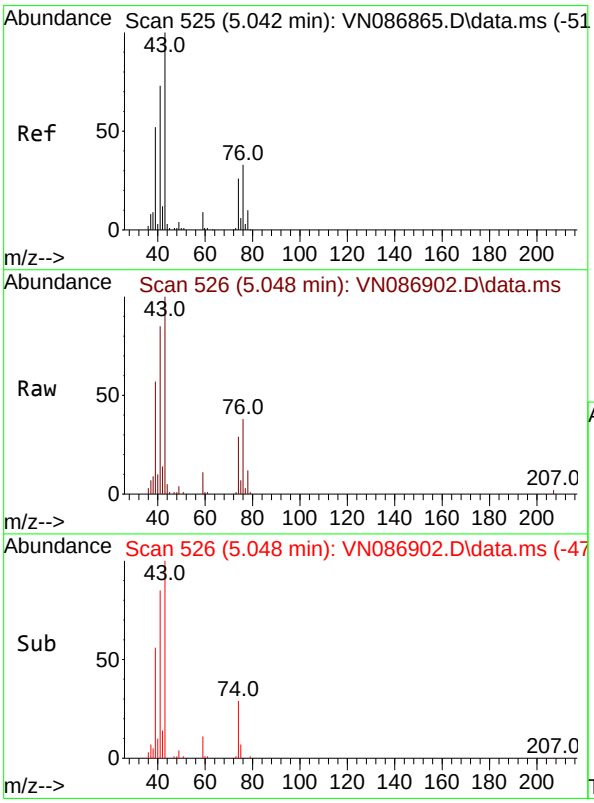
#17
Carbon Disulfide
Concen: 17.480 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 76 Resp: 140783

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

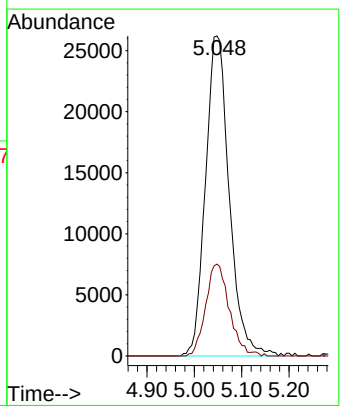


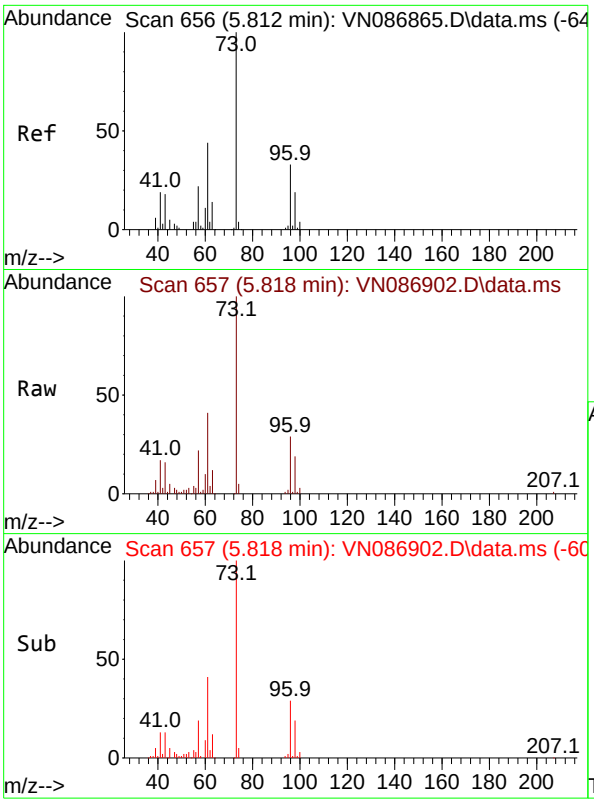


#18
Methyl Acetate
Concen: 16.878 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 91360

Ion	Ratio	Lower	Upper
43	100		
74	28.2	20.7	31.1



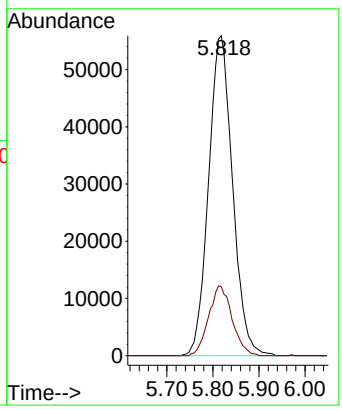


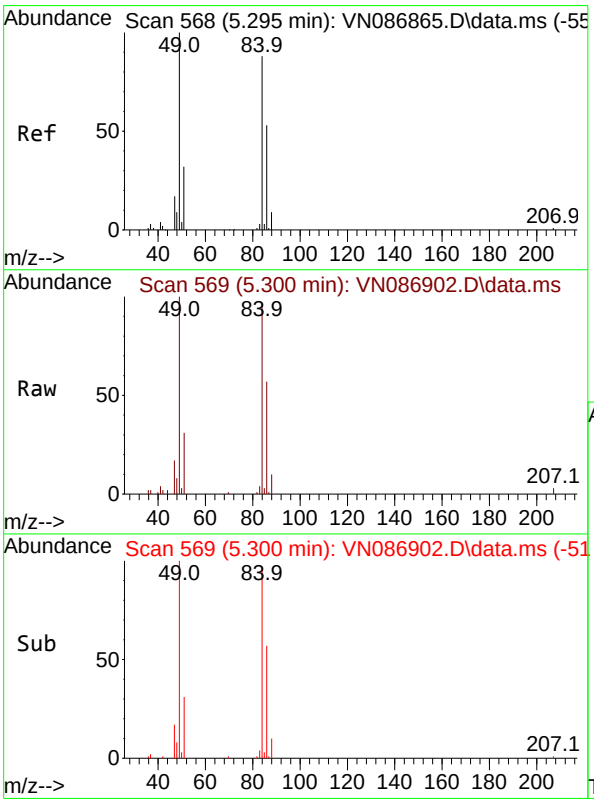
#19
Methyl tert-butyl Ether
Concen: 19.175 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 73 Resp: 202158

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2

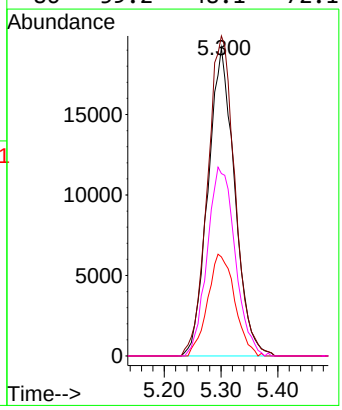


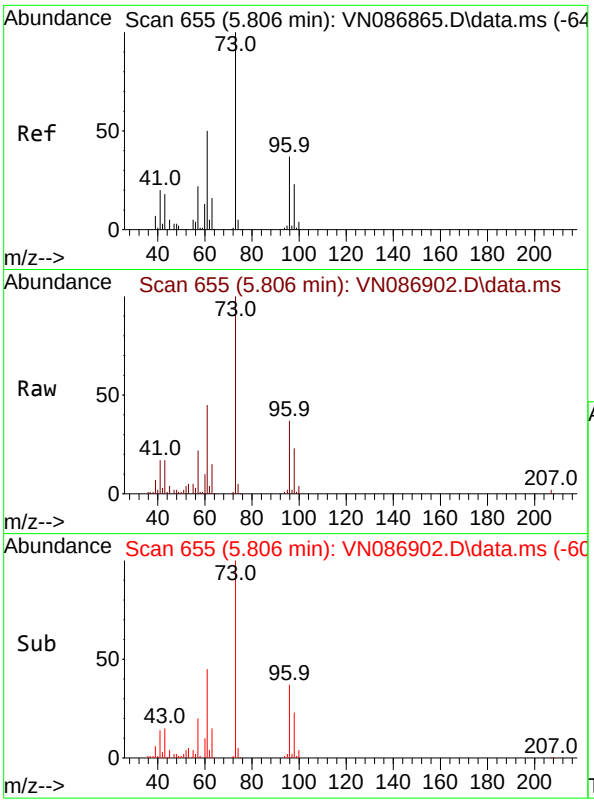


#20
Methylene Chloride
Concen: 17.922 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 84 Resp: 62323

Ion	Ratio	Lower	Upper
84	100		
49	103.8	90.5	135.7
51	32.2	28.5	42.7
86	59.2	48.1	72.1



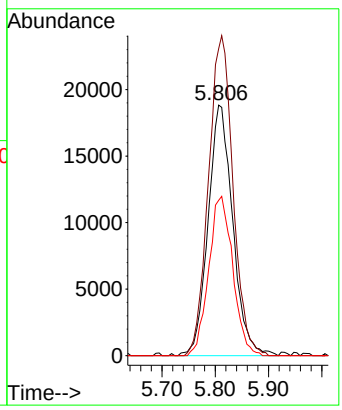


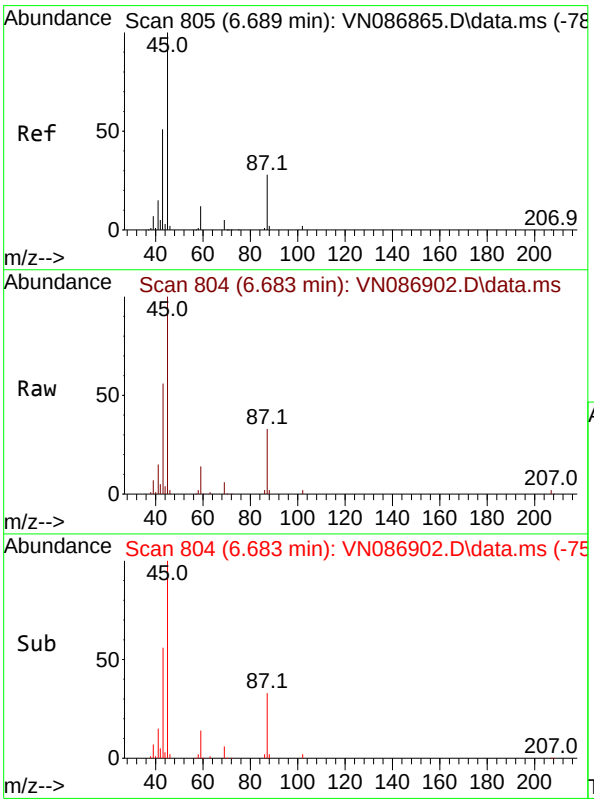
#21
trans-1,2-Dichloroethene
Concen: 18.720 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 96 Resp: 60645

Ion	Ratio	Lower	Upper
96	100		
61	122.6	109.2	163.8
98	62.0	49.8	74.8

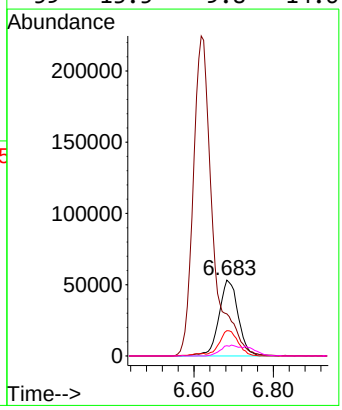


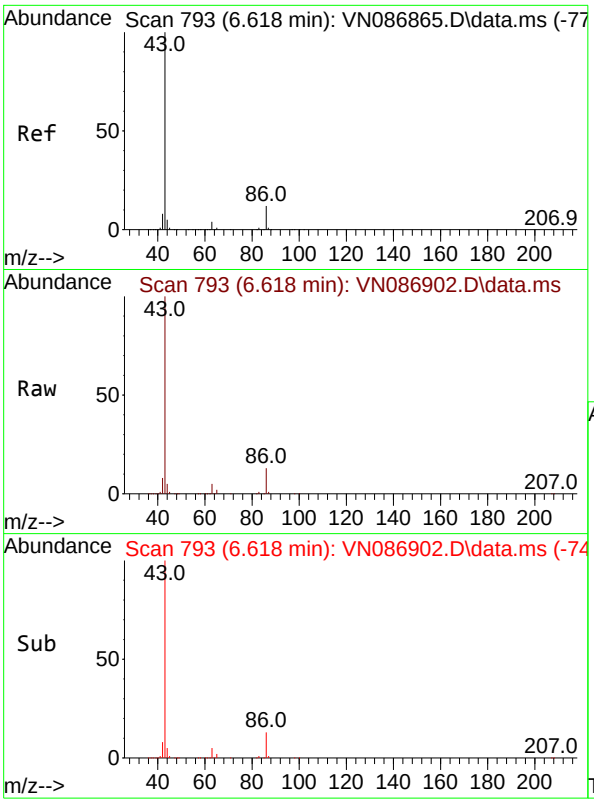


#22
Diisopropyl ether
Concen: 17.617 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 45 Resp: 179323

Ion	Ratio	Lower	Upper
45	100		
43	55.1	41.9	62.9
87	33.3	22.4	33.6
59	13.5	9.8	14.6



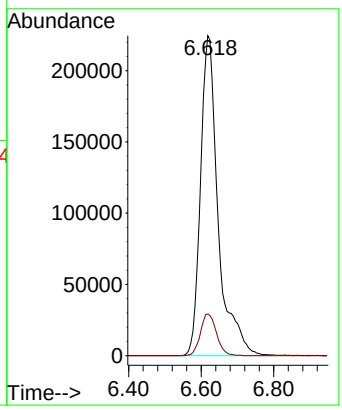


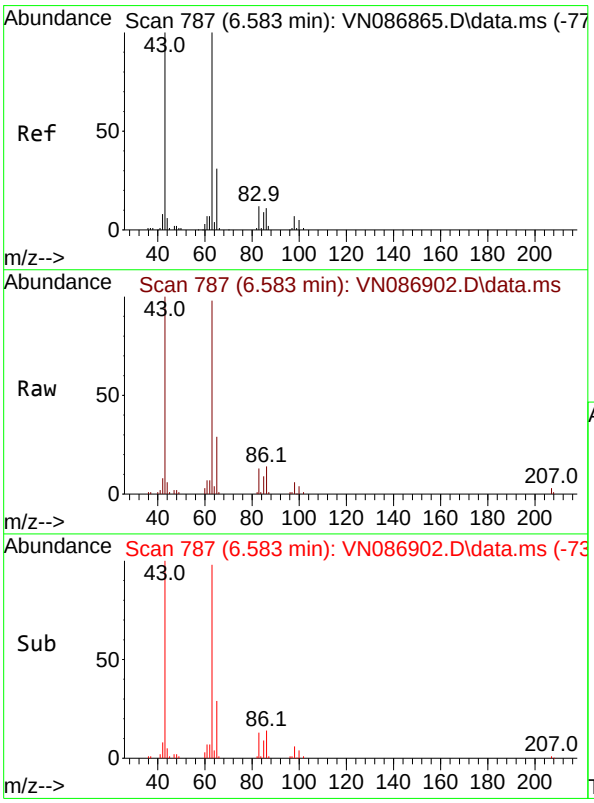
#23
Vinyl Acetate
Concen: 88.215 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 758661

Ion	Ratio	Lower	Upper
43	100		
86	13.1	9.5	14.3

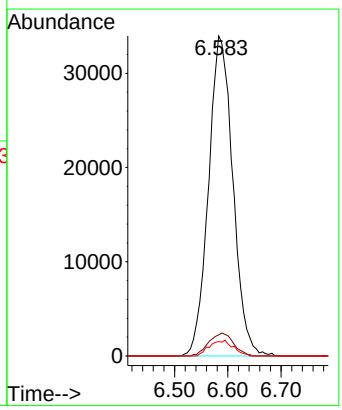


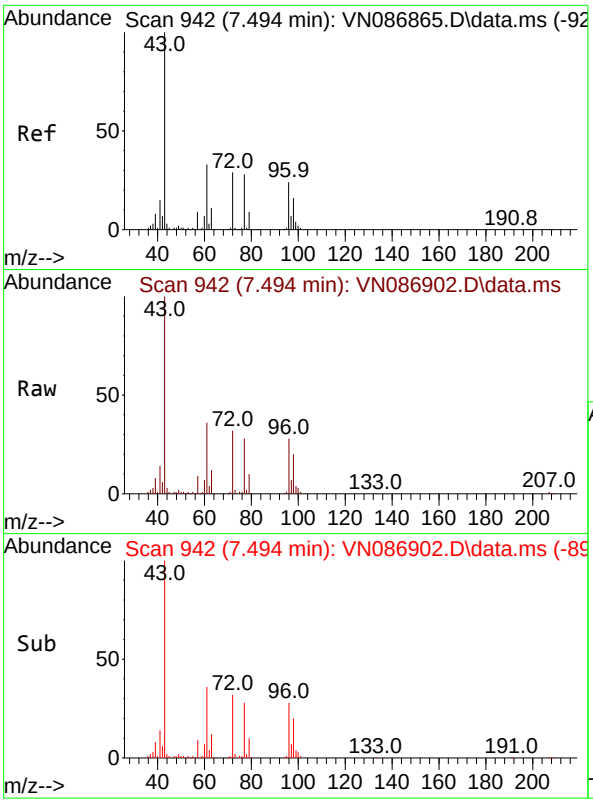


#24
1,1-Dichloroethane
Concen: 18.425 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 63 Resp: 107933

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	4.5	2.6	7.8



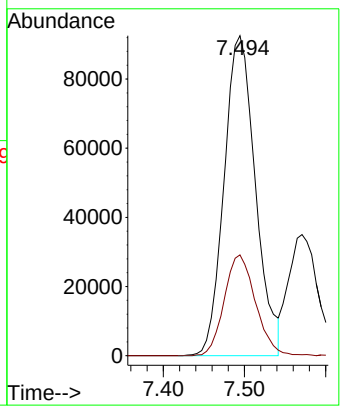


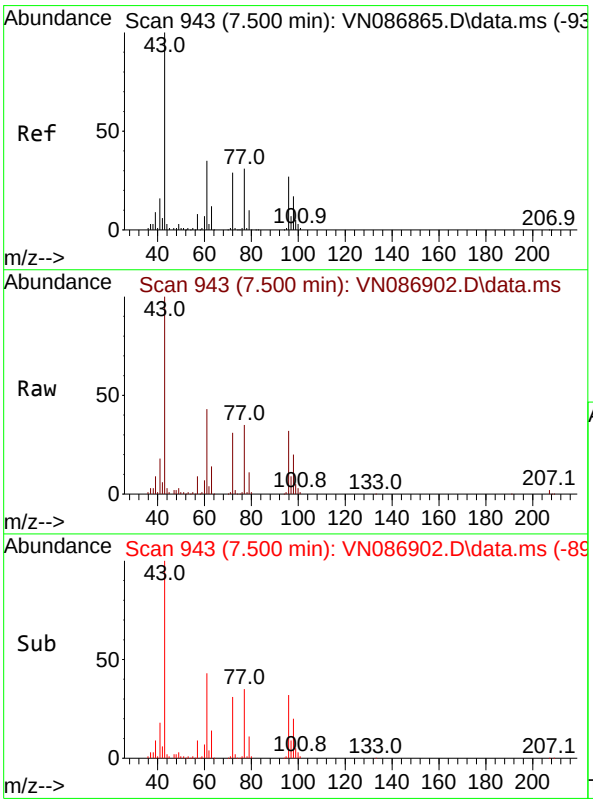
#25
2-Butanone
Concen: 82.292 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 248457

Ion	Ratio	Lower	Upper
43	100		
72	31.5	23.0	34.6

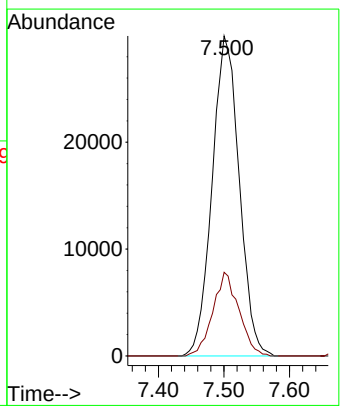


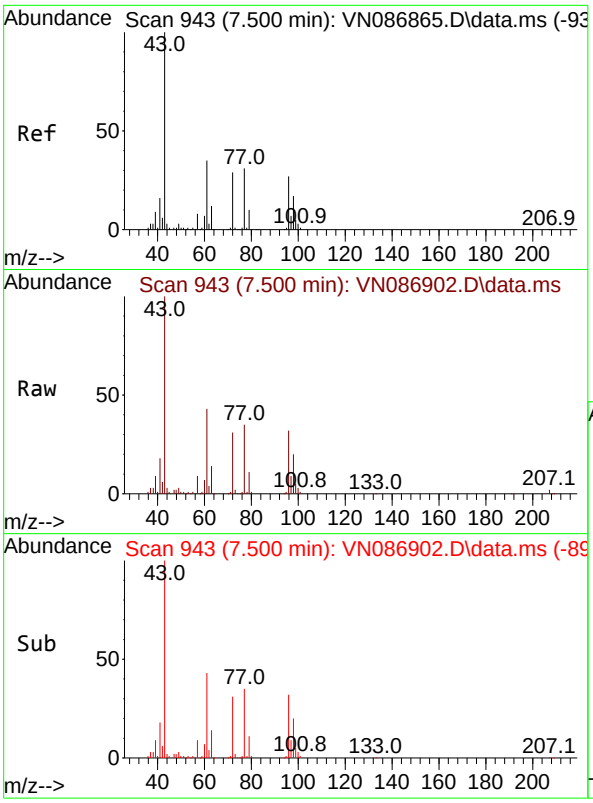


#26
2,2-Dichloropropane
Concen: 18.851 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 77 Resp: 85897

Ion	Ratio	Lower	Upper
77	100		
97	25.1	11.6	34.7



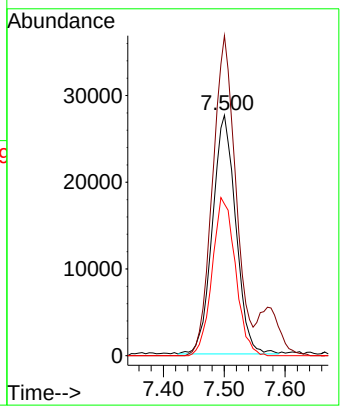


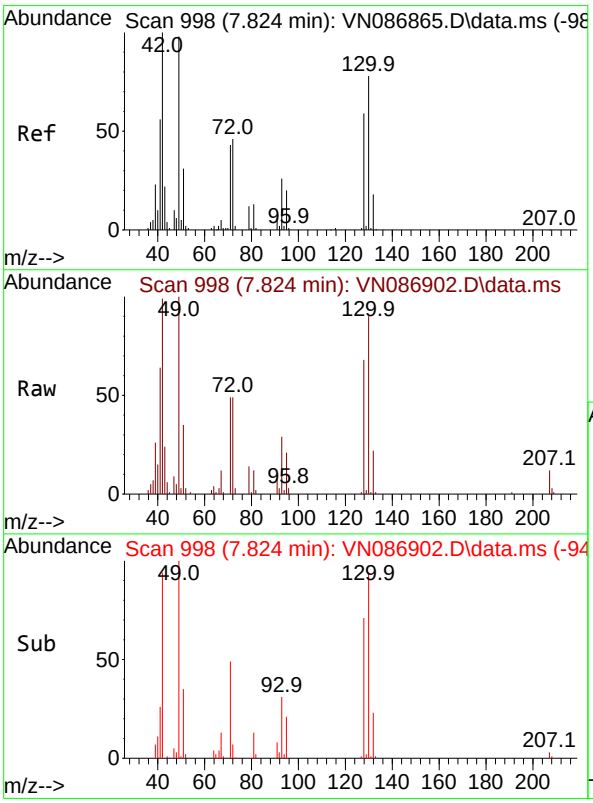
#27
cis-1,2-Dichloroethene
Concen: 18.937 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 96 Resp: 73368

Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	278.0
98	65.9	0.0	128.2

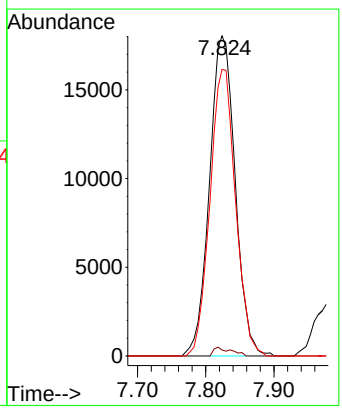


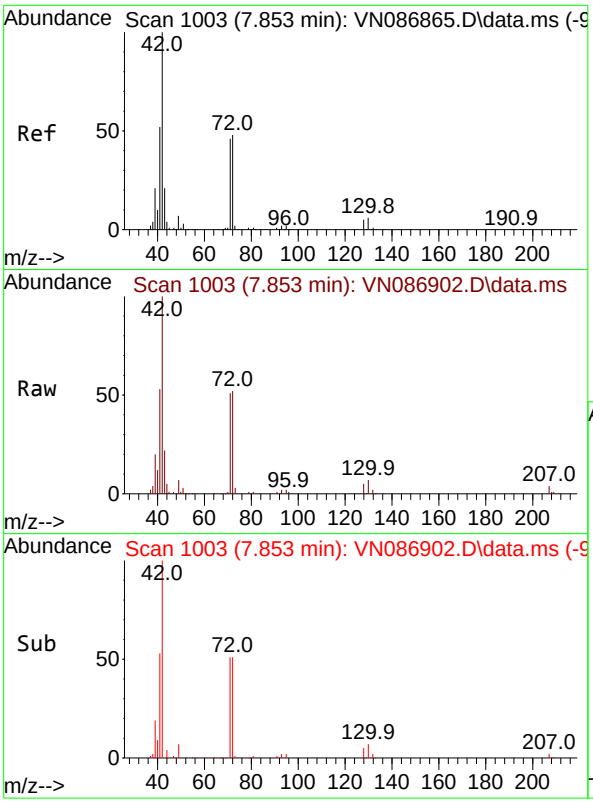


#28
Bromochloromethane
Concen: 16.450 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 49 Resp: 47379

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	89.1	62.2	93.2



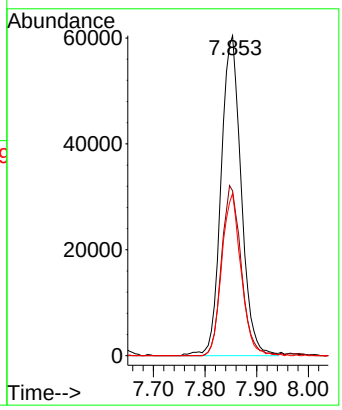


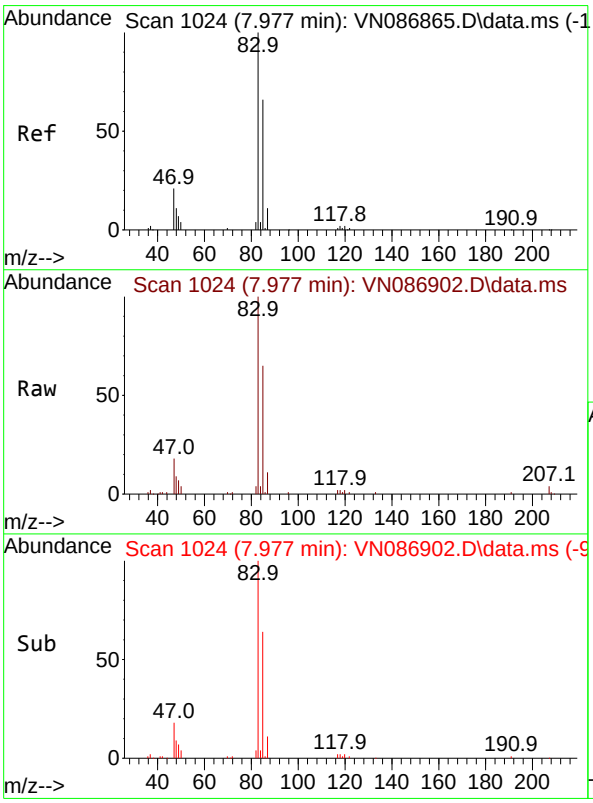
#29
Tetrahydrofuran
Concen: 83.068 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 42 Resp: 163380

Ion	Ratio	Lower	Upper
42	100		
72	51.9	37.8	56.6
71	48.8	35.6	53.4

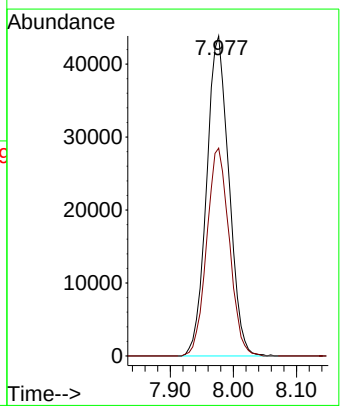


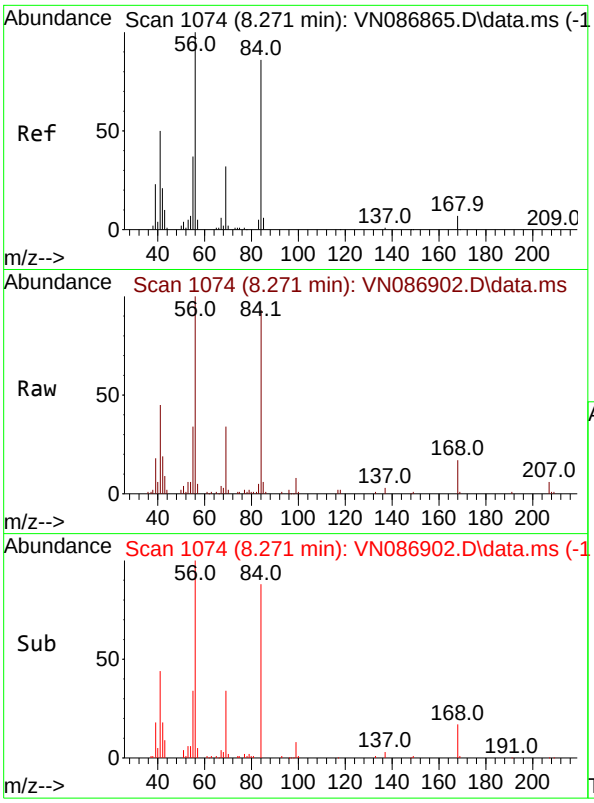


#30
Chloroform
Concen: 18.386 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 83 Resp: 107556

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.9	79.3



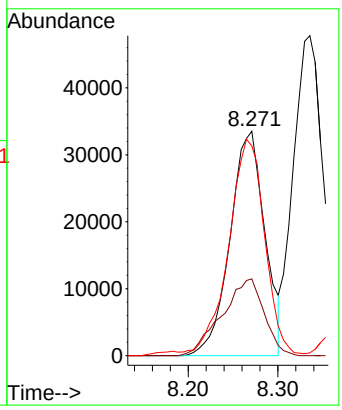


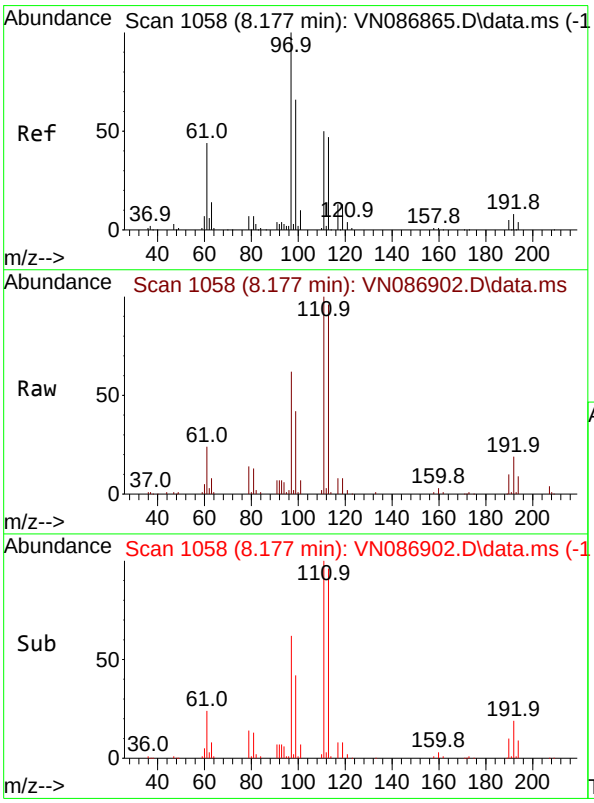
#31
Cyclohexane
Concen: 15.914 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 56 Resp: 90403

Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.4	38.0
84	91.9	68.8	103.2

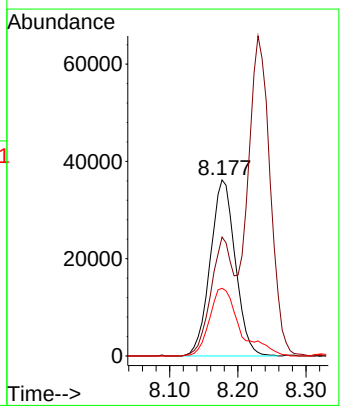


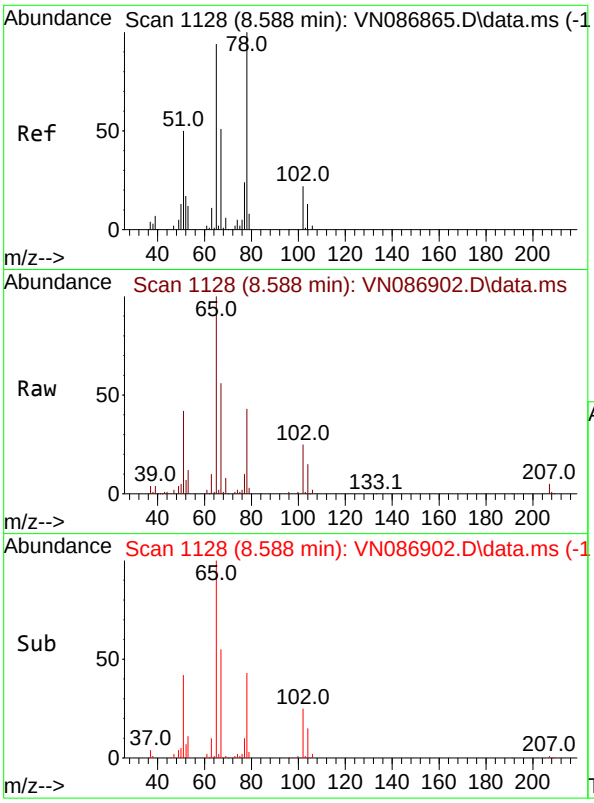


#32
1,1,1-Trichloroethane
Concen: 18.588 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 97 Resp: 92483

Ion	Ratio	Lower	Upper
97	100		
99	57.5	52.0	78.0
61	46.6	35.9	53.9



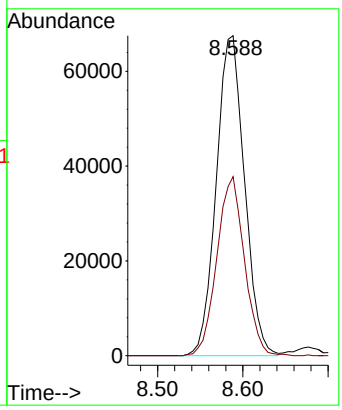


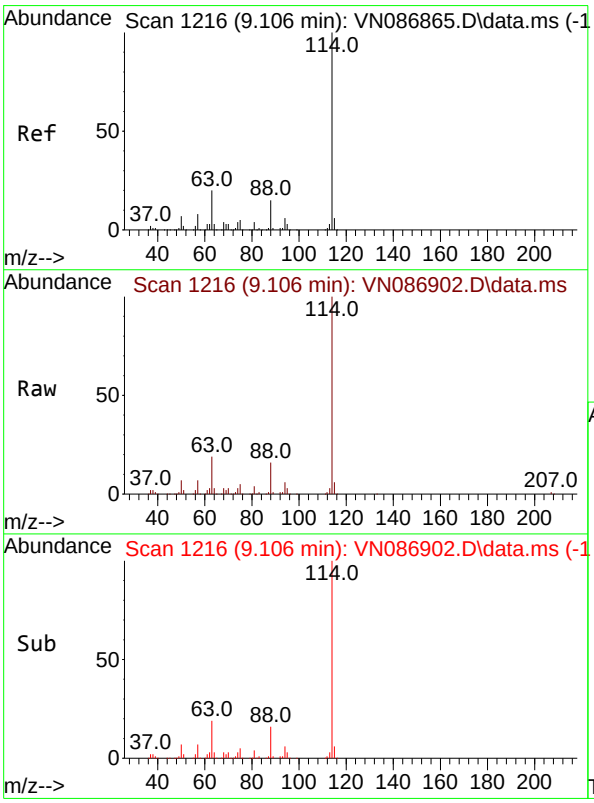
#33
1,2-Dichloroethane-d4
Concen: 44.446 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 65 Resp: 155677

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.6

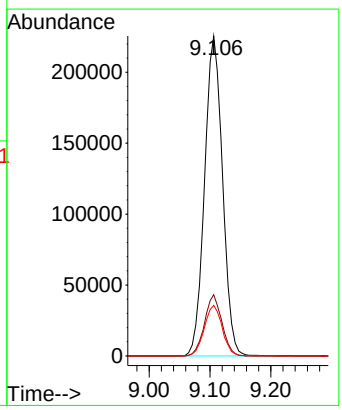


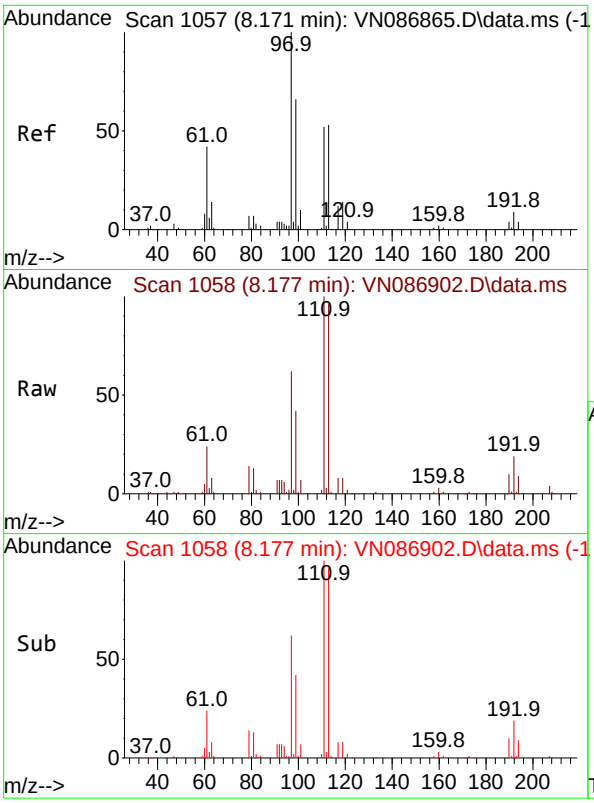


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:114 Resp: 462540

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.8	0.0	30.2



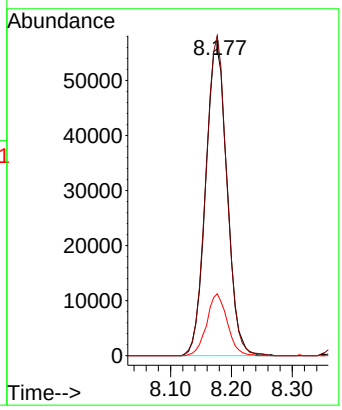


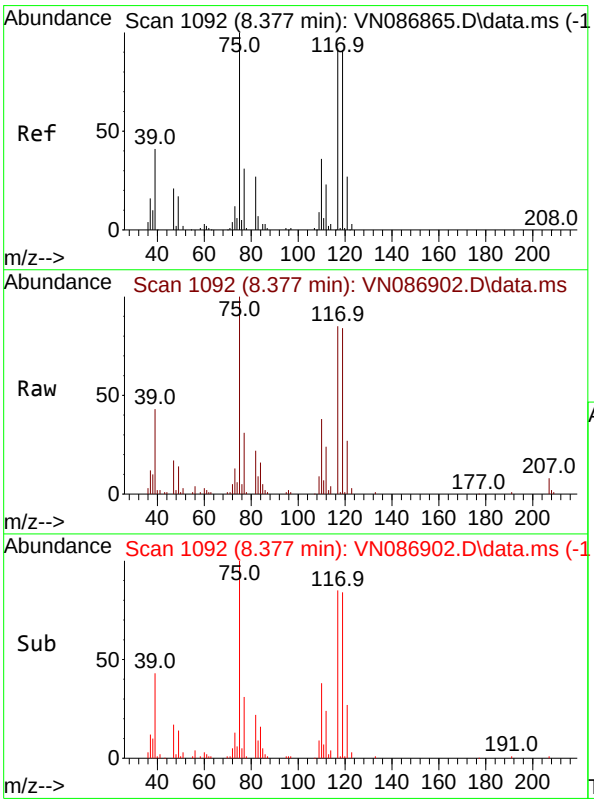
#35
Dibromofluoromethane
Concen: 50.480 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:113 Resp: 138371

Ion	Ratio	Lower	Upper
113	100		
111	101.0	84.2	126.2
192	19.0	14.2	21.4

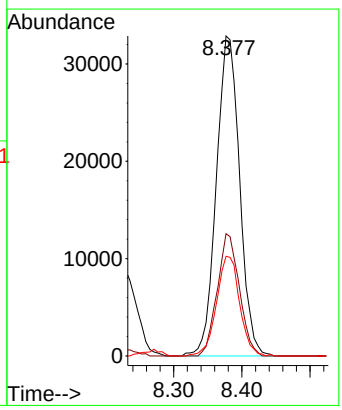


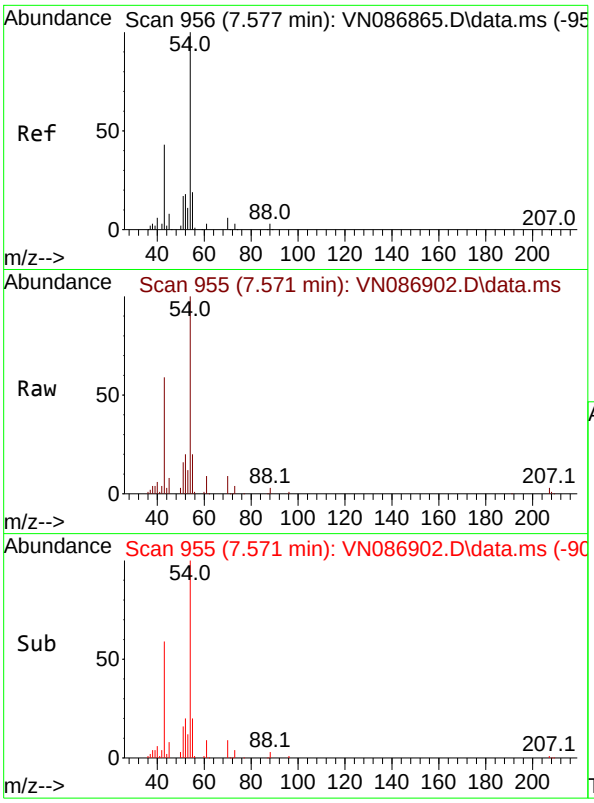


#36
1,1-Dichloropropene
Concen: 19.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 78110

Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.6	52.9
77	31.0	25.3	37.9



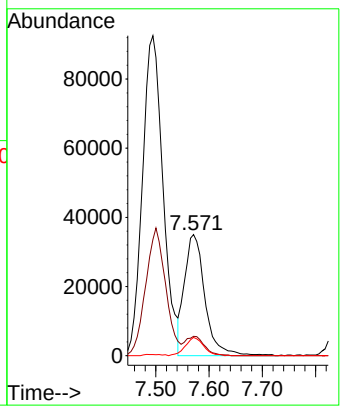


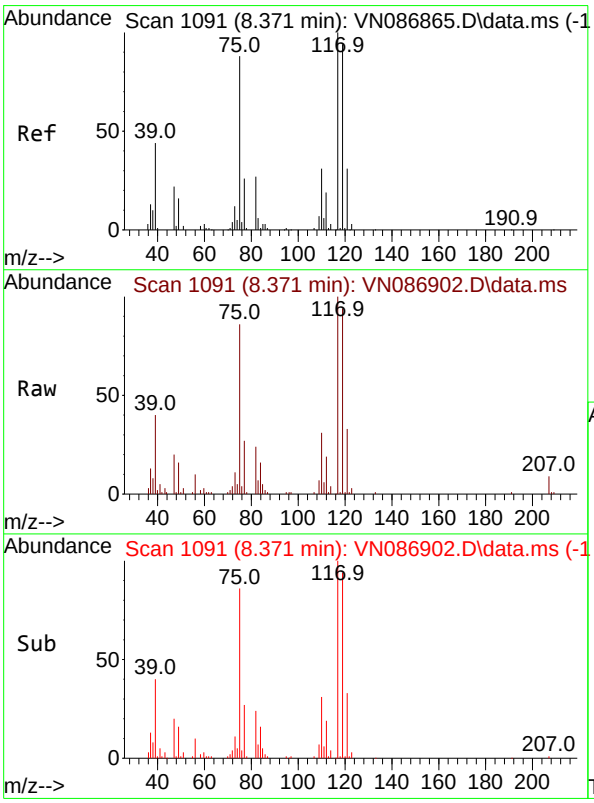
#37
Ethyl Acetate
Concen: 17.942 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 93294

Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	13.5	9.8	14.6

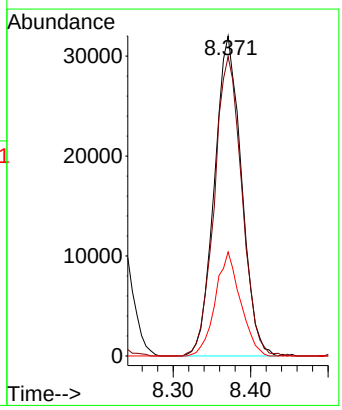


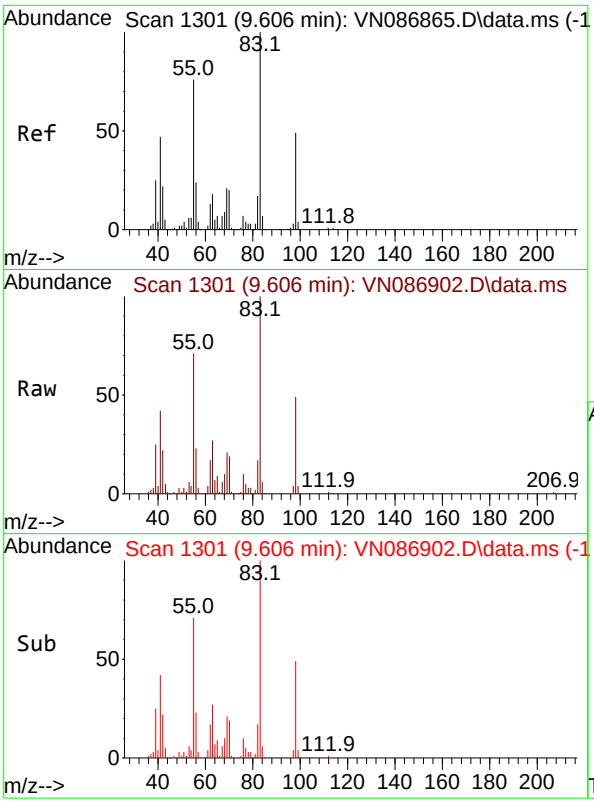


#38
Carbon Tetrachloride
Concen: 19.351 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:117 Resp: 77600

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.6
121	32.5	24.9	37.3



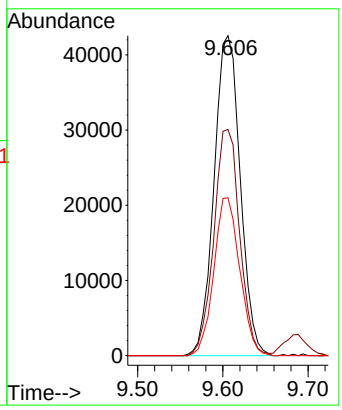


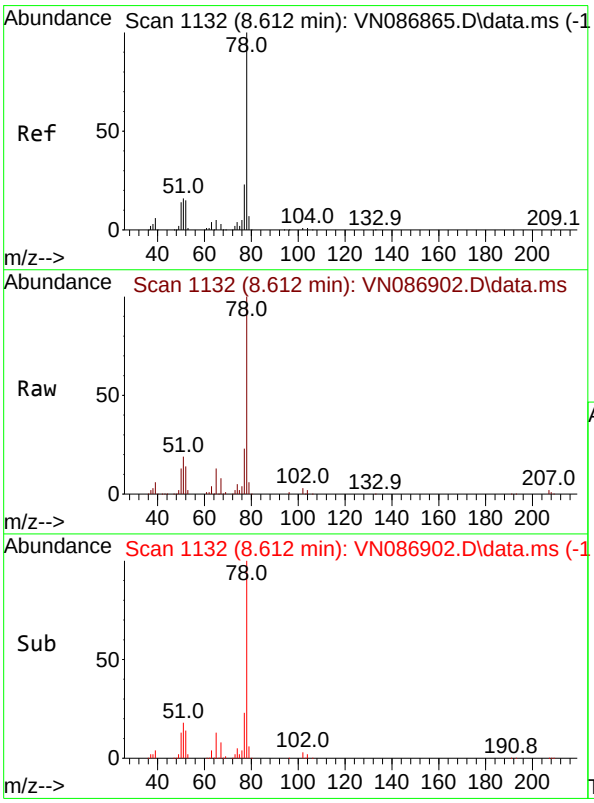
#39
Methylcyclohexane
Concen: 16.268 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 83 Resp: 91033

Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.0	91.6
98	49.4	38.9	58.3

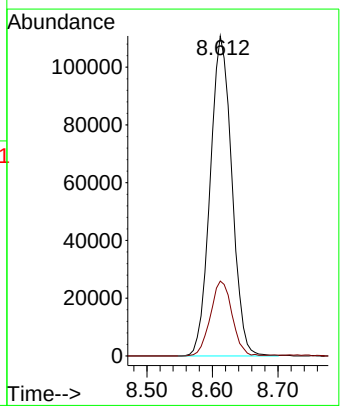


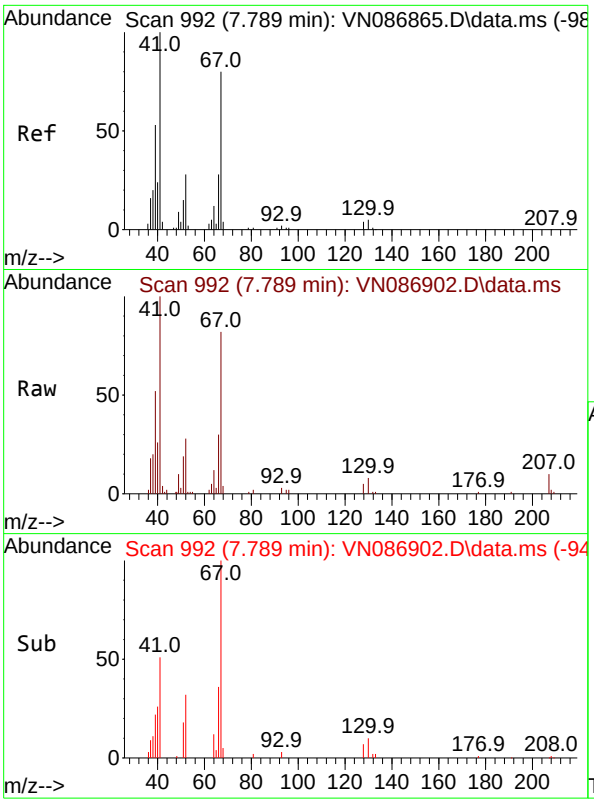


#40
Benzene
Concen: 19.020 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 78 Resp: 254036

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



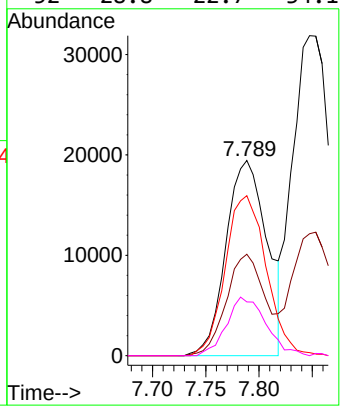


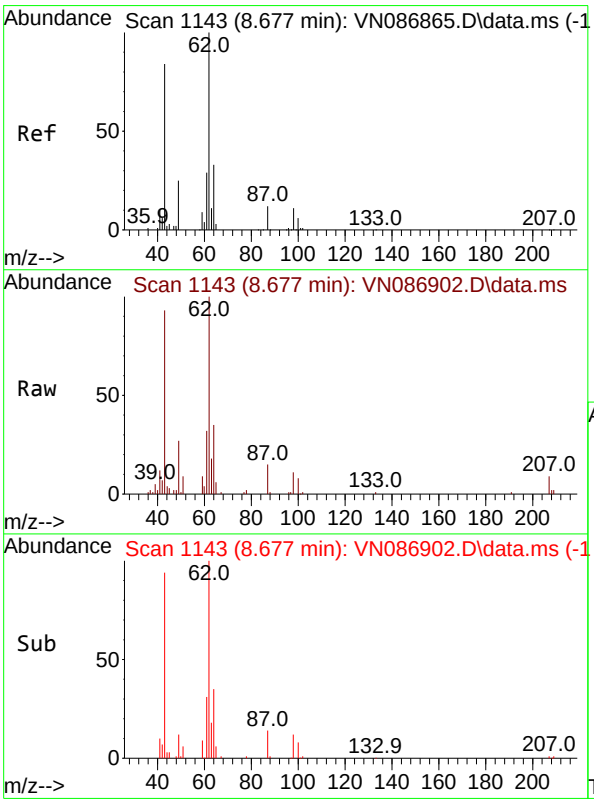
#41
Methacrylonitrile
Concen: 17.877 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 41 Resp: 52205

Ion	Ratio	Lower	Upper
41	100		
39	46.8	41.2	61.8
67	82.0	61.4	92.2
52	28.8	22.7	34.1

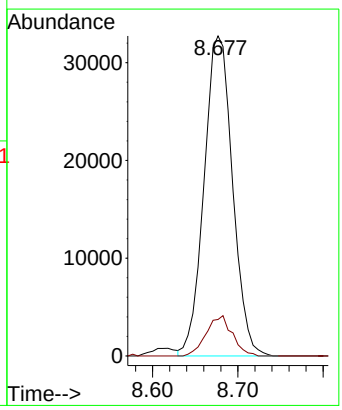


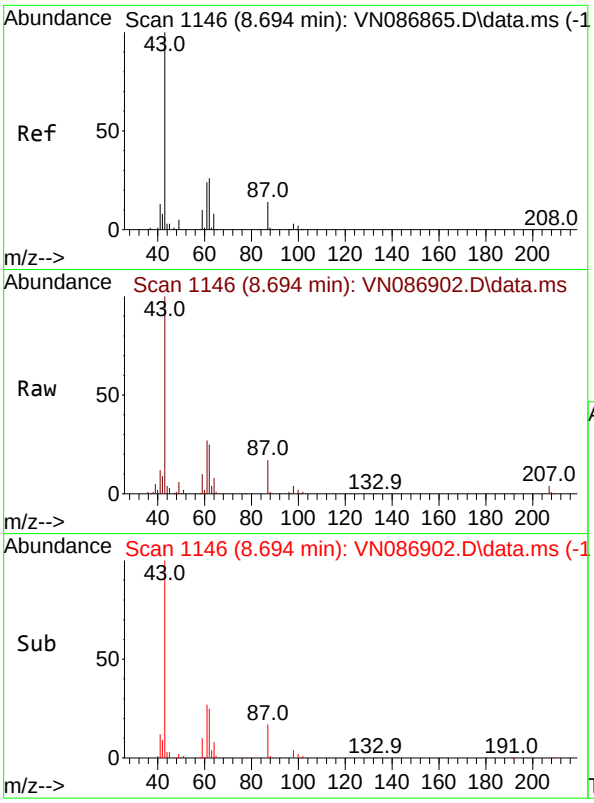


#42
1,2-Dichloroethane
Concen: 18.757 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 62 Resp: 75987

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.2



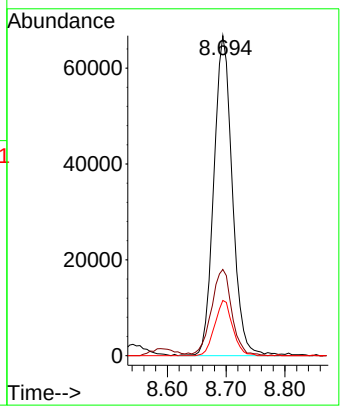


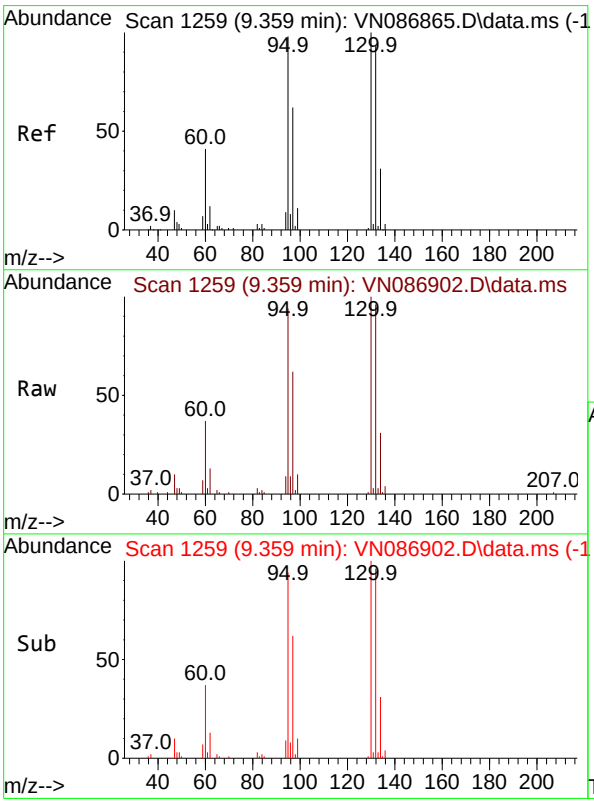
#43
Isopropyl Acetate
Concen: 17.495 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 146007

Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.1	33.1
87	16.7	11.8	17.6

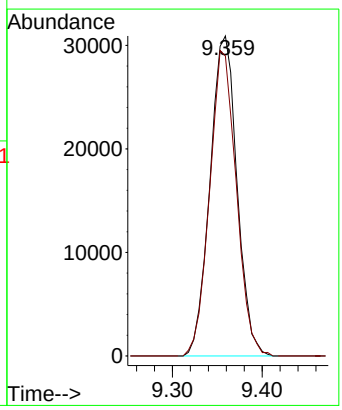


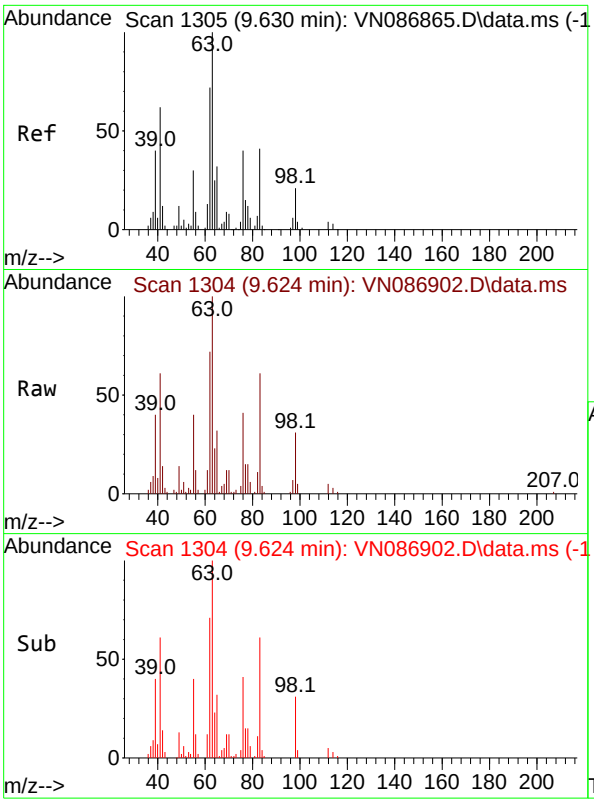


#44
Trichloroethene
Concen: 20.408 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:130 Resp: 64635

Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	196.2



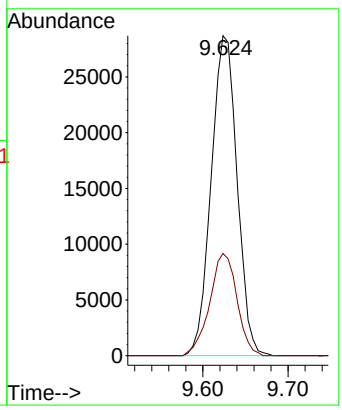


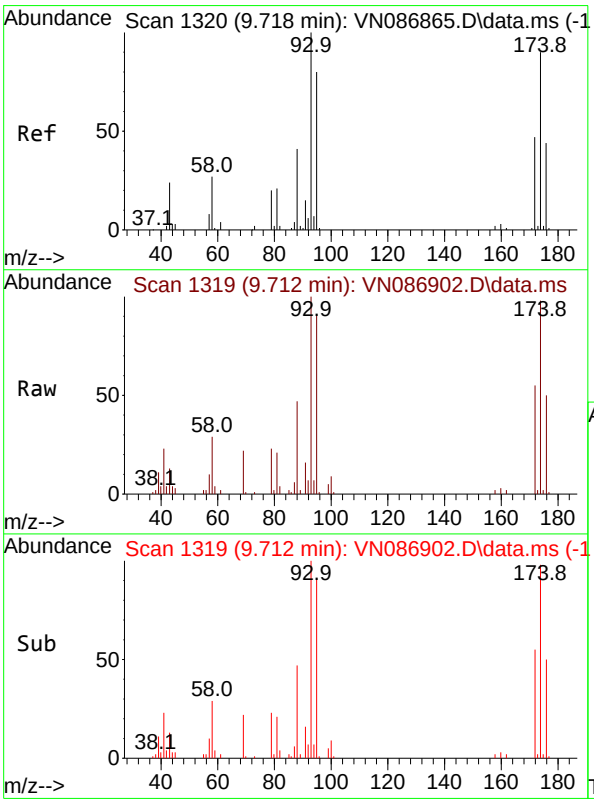
#45
1,2-Dichloropropane
Concen: 18.646 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 63 Resp: 60591

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3

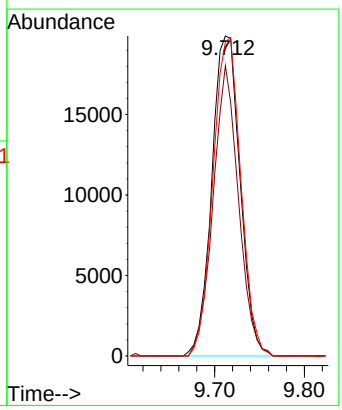


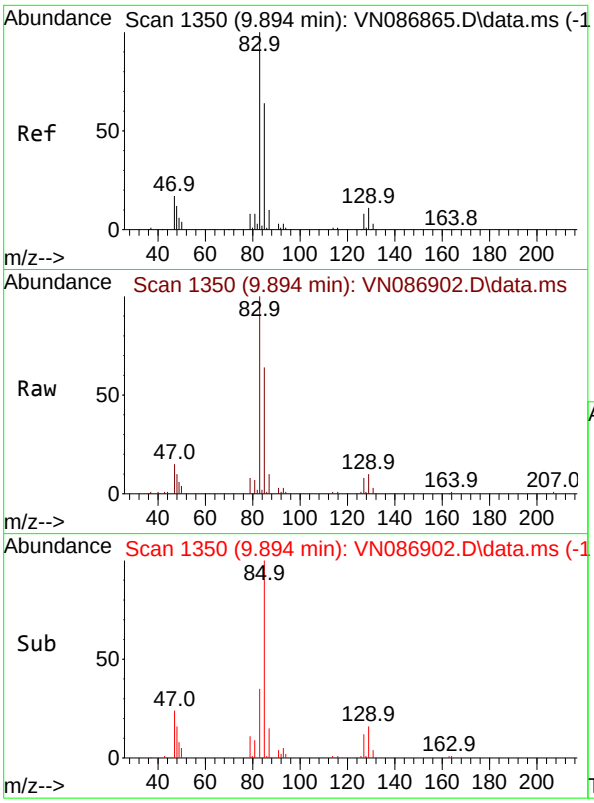


#46
Dibromomethane
Concen: 20.111 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 93 Resp: 43406

Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.1	100.7
174	97.9	74.2	111.4



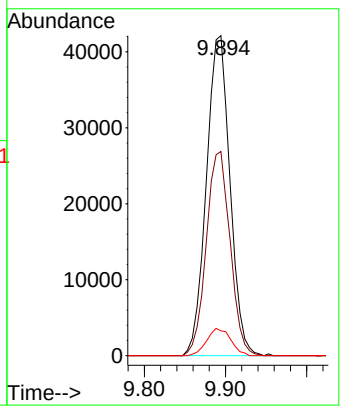


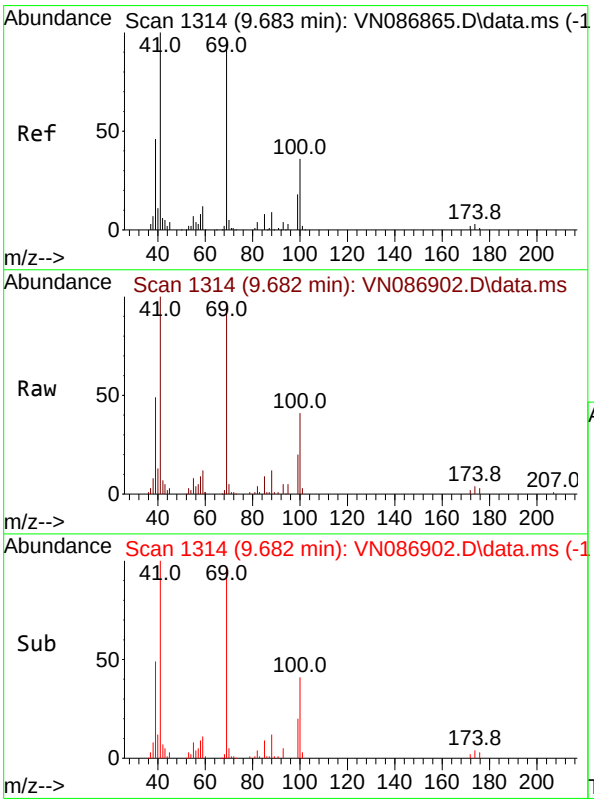
#47
Bromodichloromethane
Concen: 19.158 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 83 Resp: 85075

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	7.8	6.6	10.0

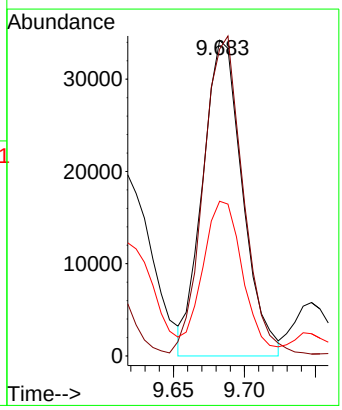


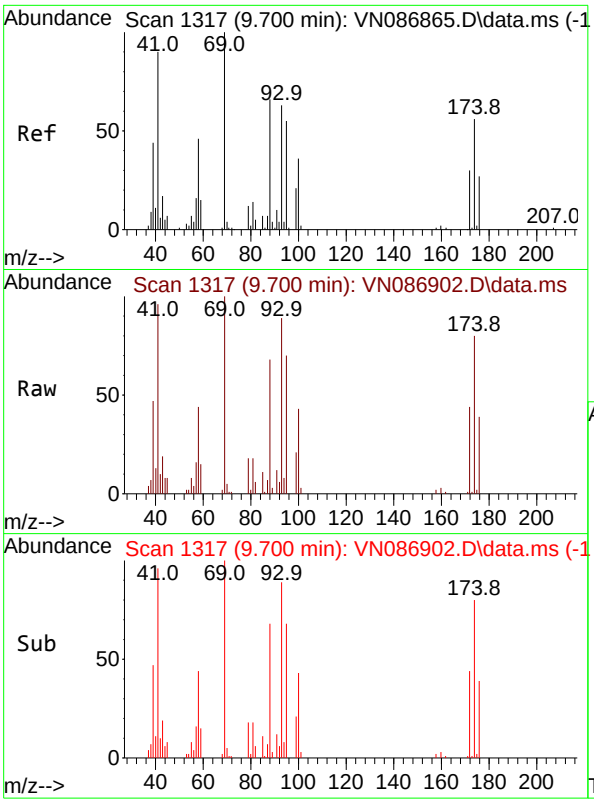


#48
Methyl methacrylate
Concen: 17.378 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 41 Resp: 66751

Ion	Ratio	Lower	Upper
41	100		
69	99.7	74.6	112.0
39	50.1	40.2	60.4



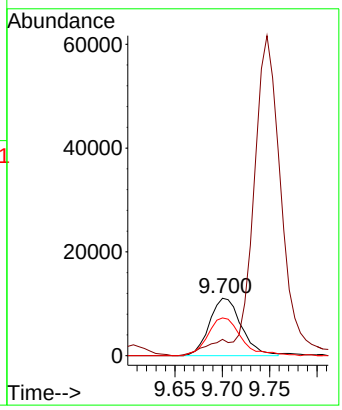


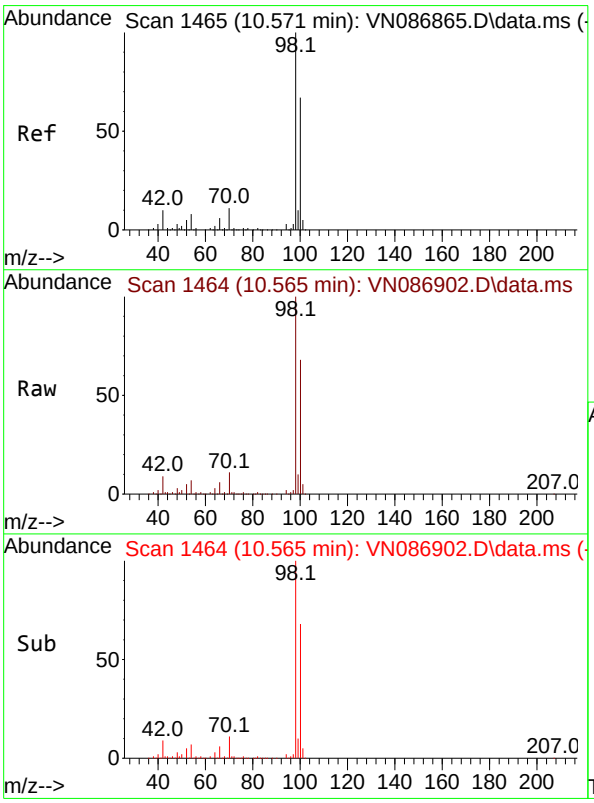
#49
1,4-Dioxane
Concen: 369.843 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 88 Resp: 25844

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.0	57.7	86.5

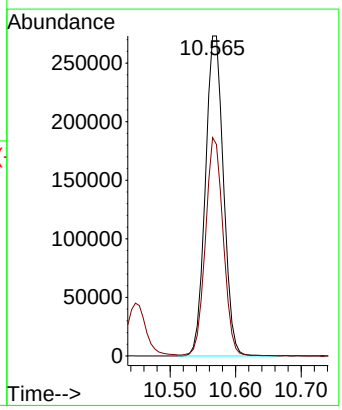


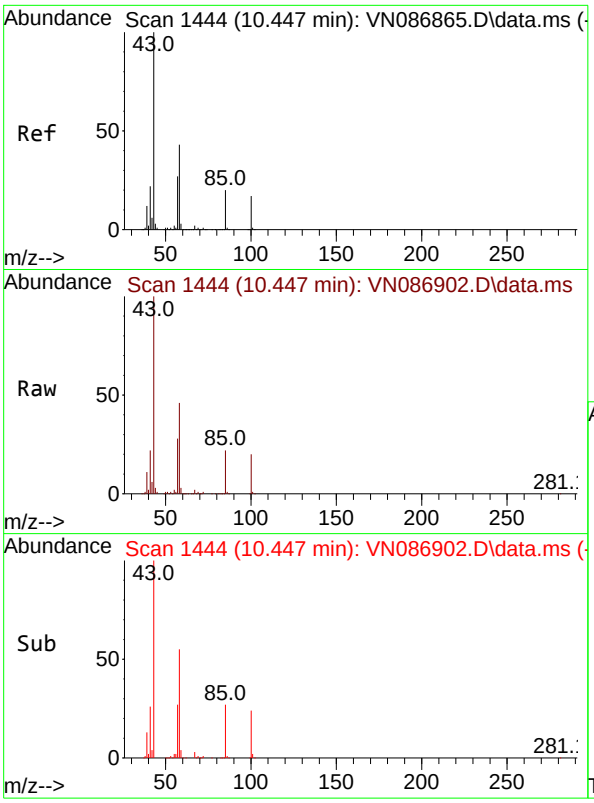


#50
Toluene-d8
Concen: 48.233 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 98 Resp: 523398

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.0



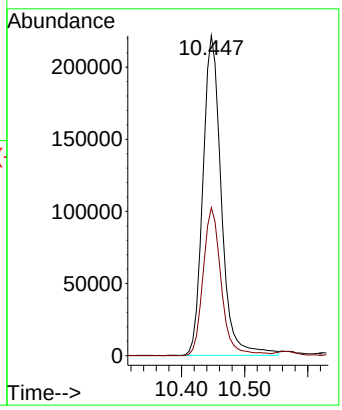


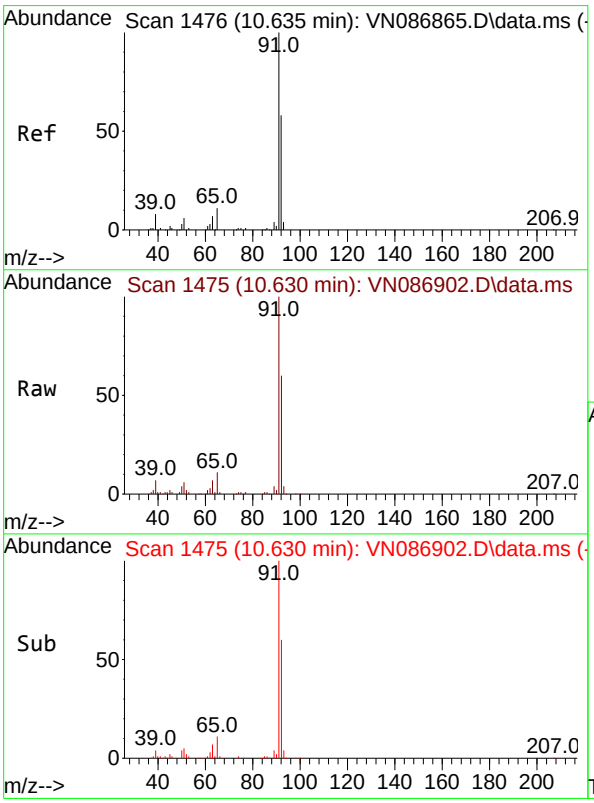
#51
4-Methyl-2-Pentanone
Concen: 89.334 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 448816

Ion	Ratio	Lower	Upper
43	100		
58	45.6	34.2	51.4

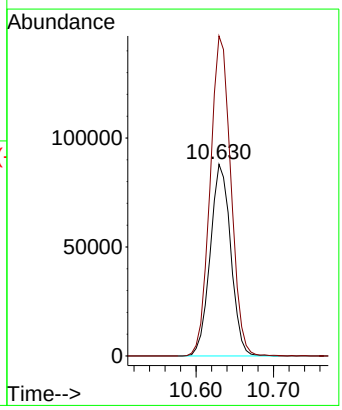


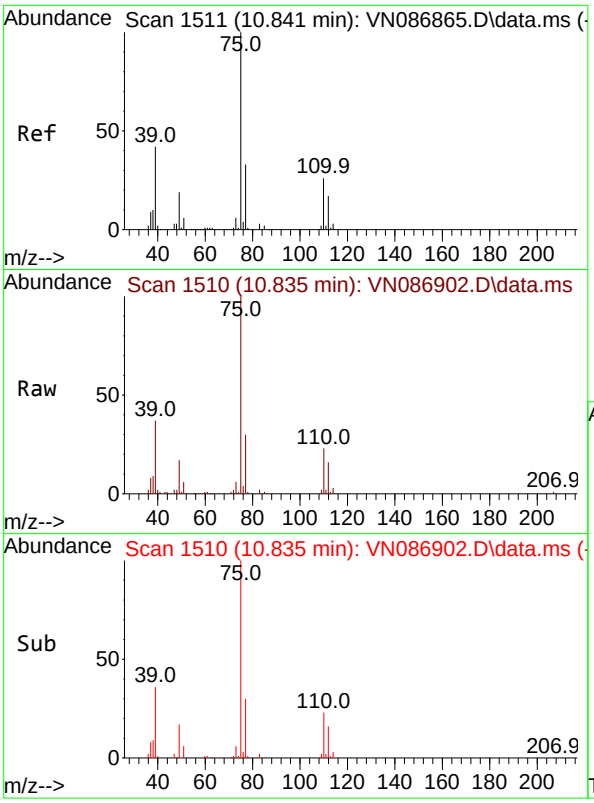


#52
Toluene
Concen: 19.794 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 92 Resp: 161571

Ion	Ratio	Lower	Upper
92	100		
91	168.6	136.5	204.7



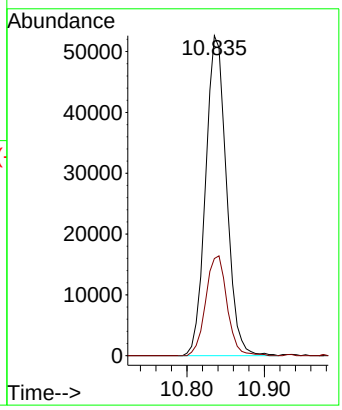


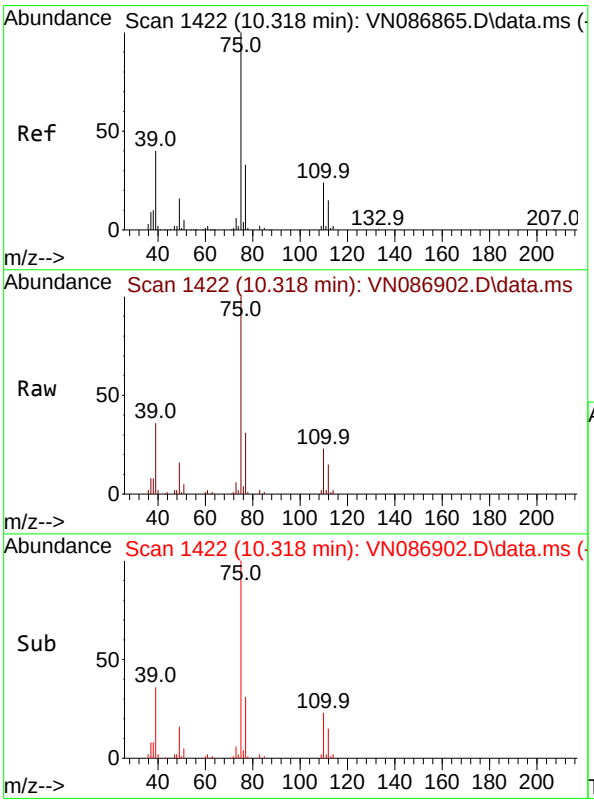
#53
t-1,3-Dichloropropene
Concen: 19.790 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 75 Resp: 98270

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.4	39.6

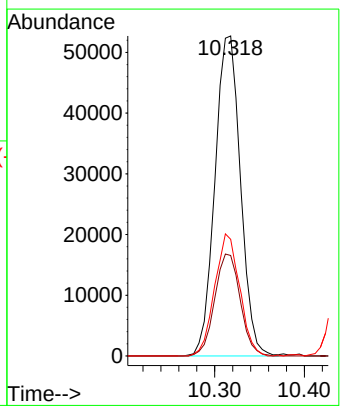


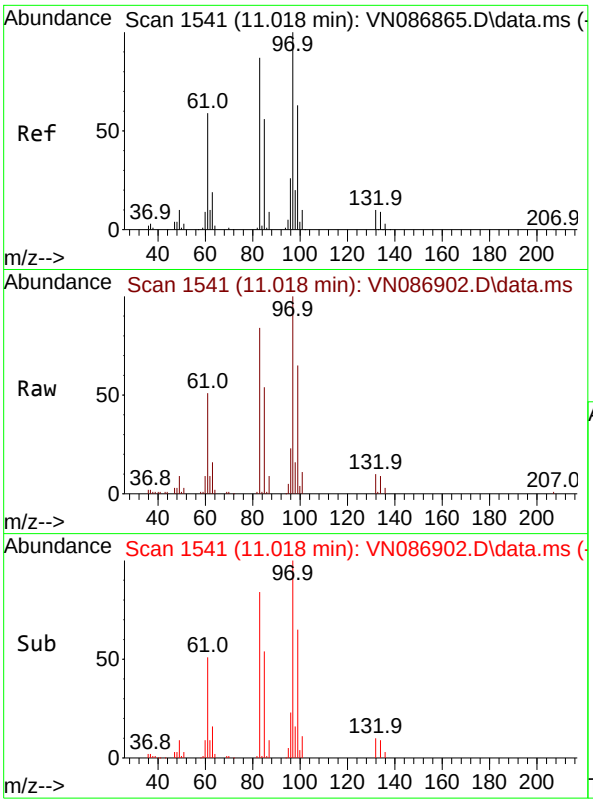


#54
cis-1,3-Dichloropropene
Concen: 19.593 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 104098

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	36.4	32.3	48.5



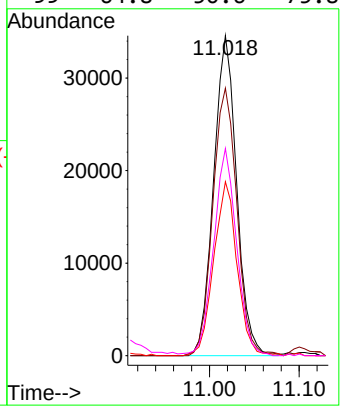


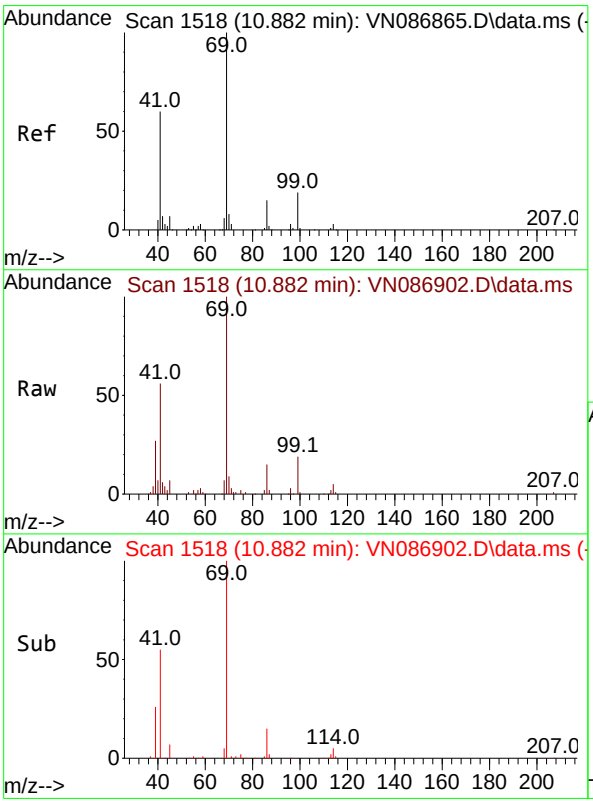
#55
1,1,2-Trichloroethane
Concen: 19.651 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 97 Resp: 61721

Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.7	104.5
85	54.3	45.1	67.7
99	64.8	50.6	75.8

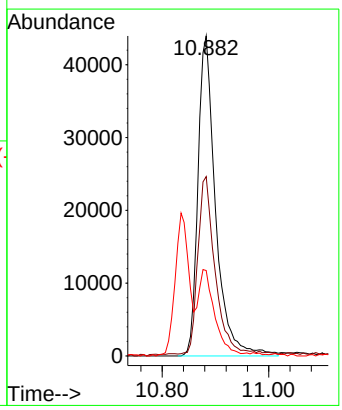


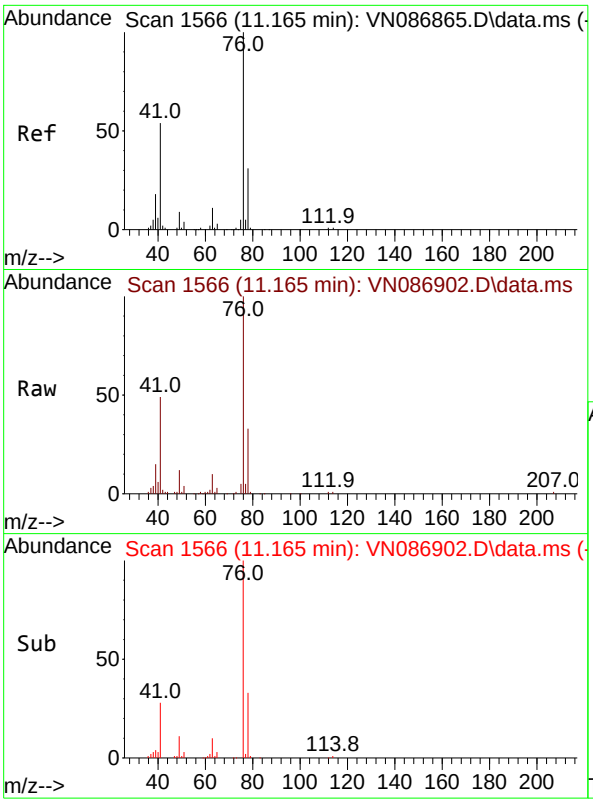


#56
Ethyl methacrylate
Concen: 20.185 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 69 Resp: 100979

Ion	Ratio	Lower	Upper
69	100		
41	54.4	47.2	70.8
39	24.2	23.0	34.6



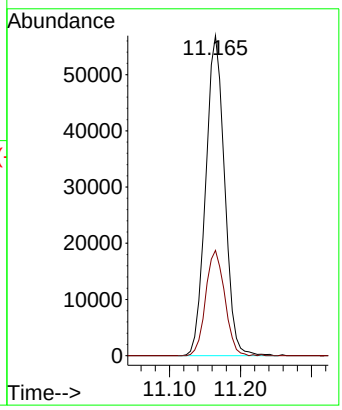


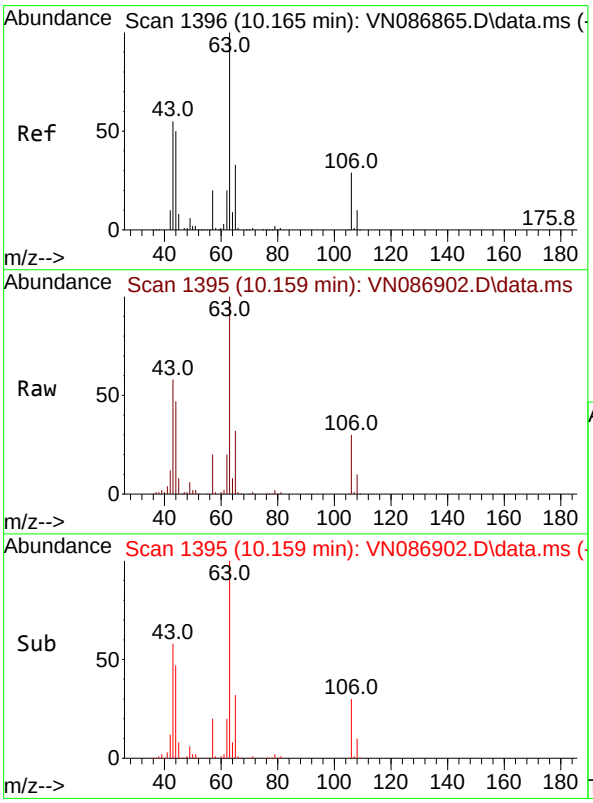
#57
1,3-Dichloropropane
Concen: 19.278 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 76 Resp: 105036

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.3	37.9

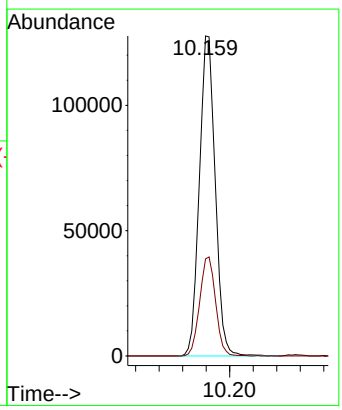


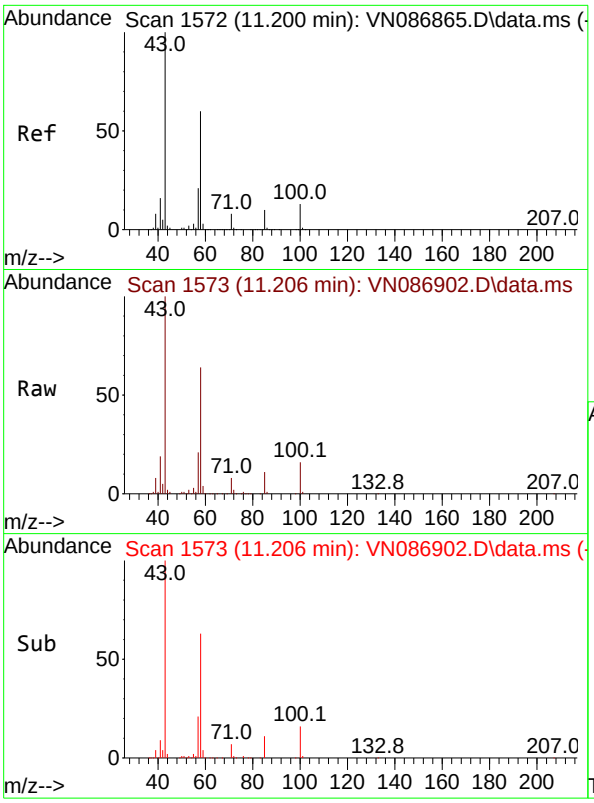


#58
2-Chloroethyl Vinyl ether
Concen: 80.228 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 63 Resp: 239383

Ion	Ratio	Lower	Upper
63	100		
106	31.0	23.0	34.6



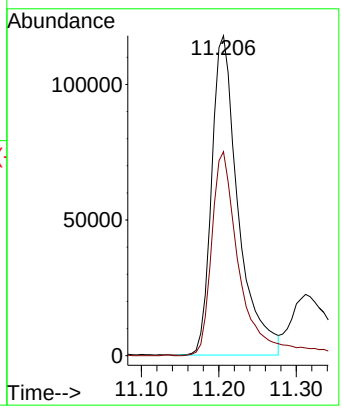


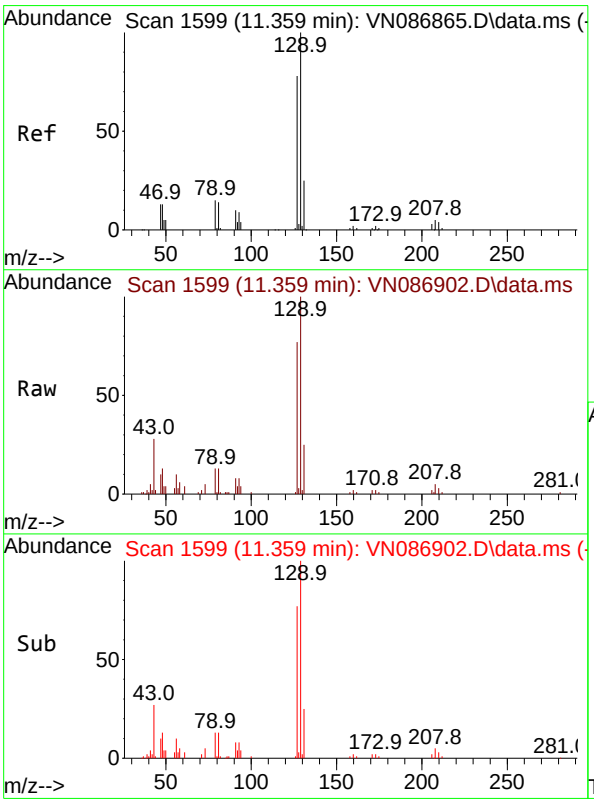
#59
2-Hexanone
Concen: 86.483 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 43 Resp: 279871

Ion	Ratio	Lower	Upper
43	100		
58	67.9	30.4	91.3

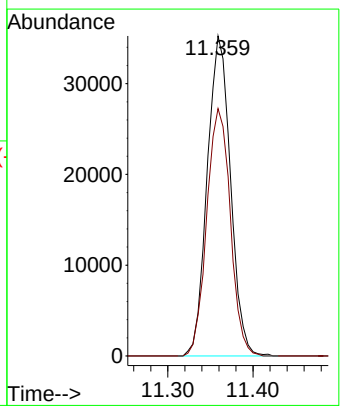


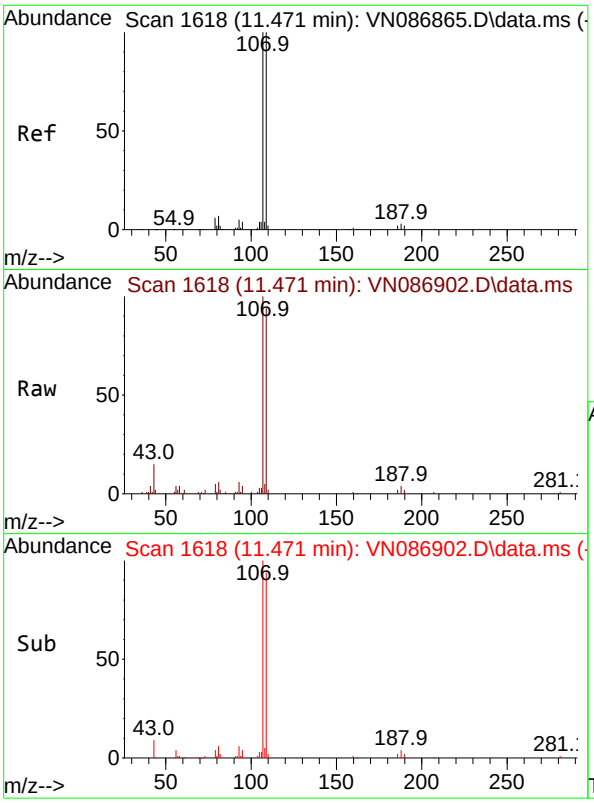


#60
Dibromochloromethane
Concen: 20.437 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:129 Resp: 66878

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8



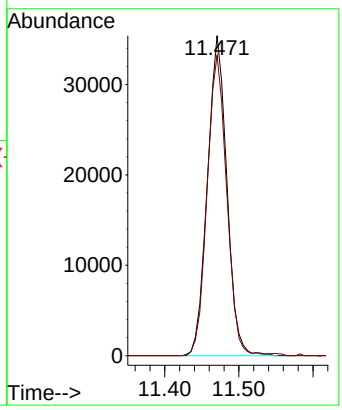


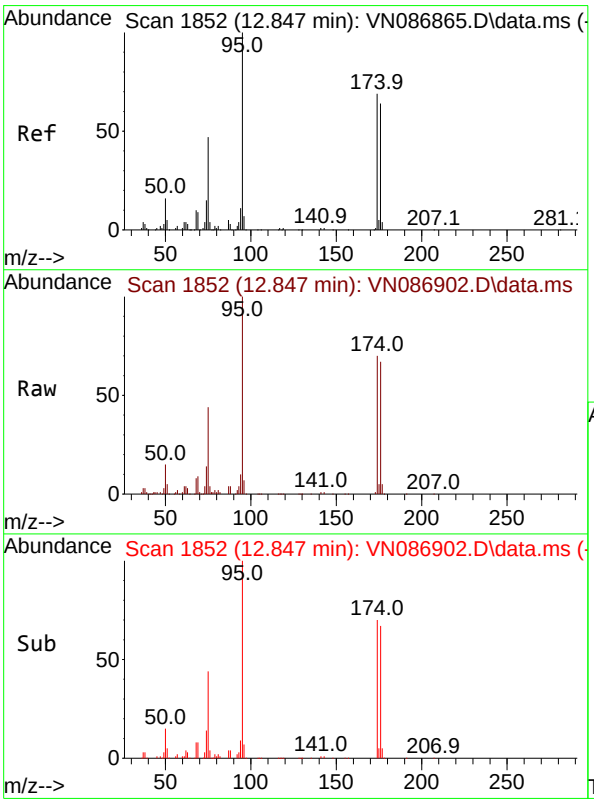
#61
1,2-Dibromoethane
Concen: 20.028 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:107 Resp: 64475

Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5

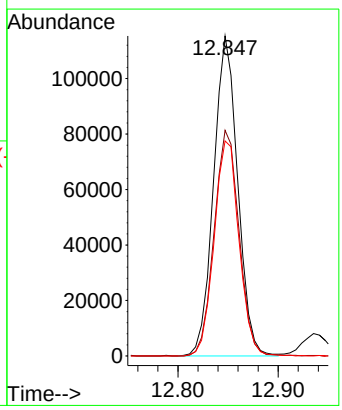


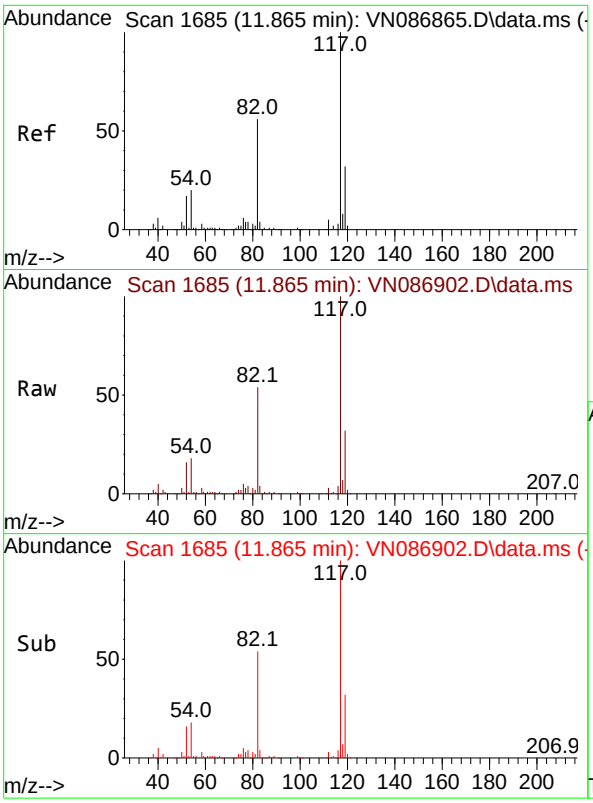


#62
4-Bromofluorobenzene
Concen: 47.729 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 95 Resp: 192426

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.8
176	69.6	0.0	132.6



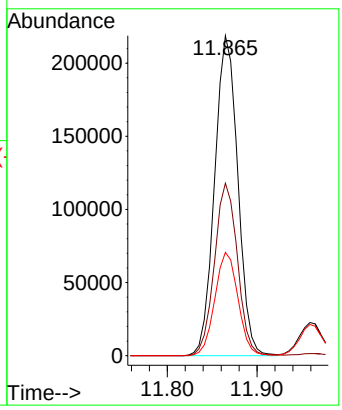


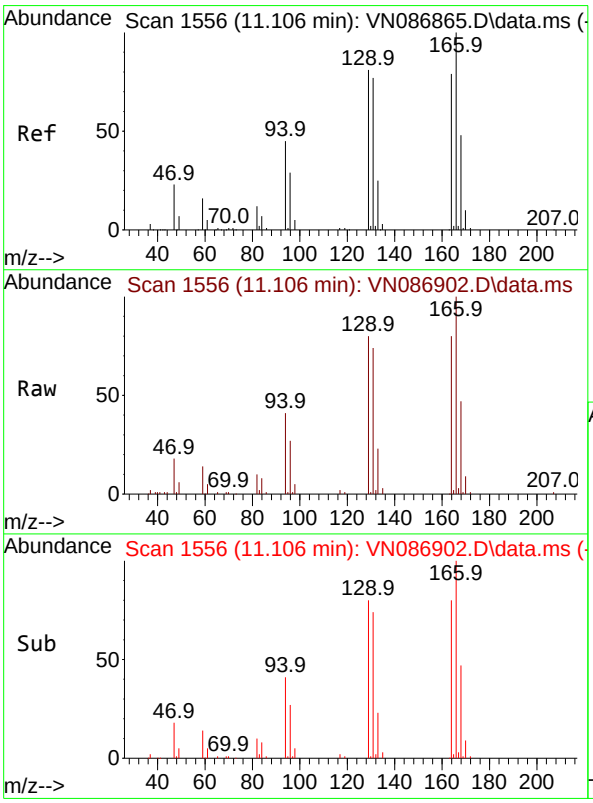
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:117 Resp: 392287

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	32.3	25.5	38.3

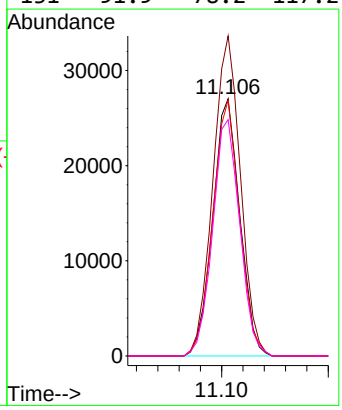


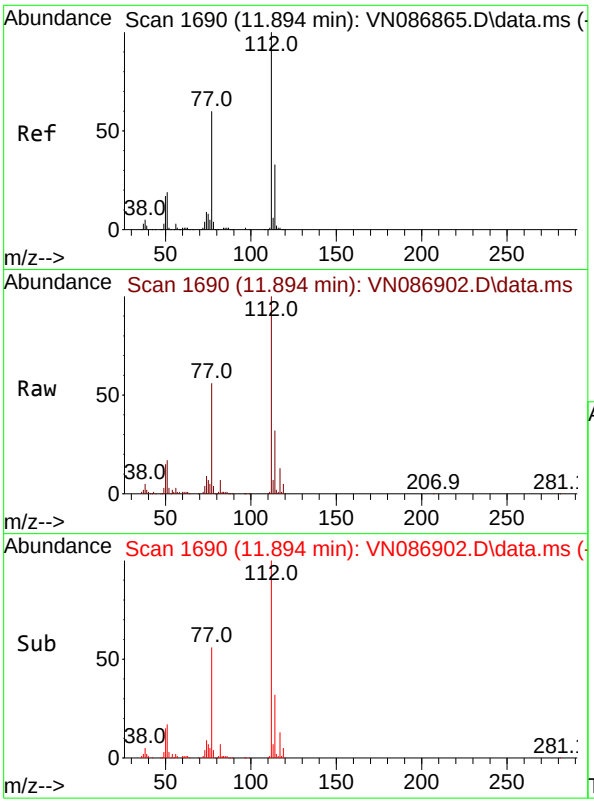


#64
Tetrachloroethene
Concen: 19.204 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:164 Resp: 47676

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.8	152.8
129	99.5	83.0	124.4
131	91.9	78.2	117.2



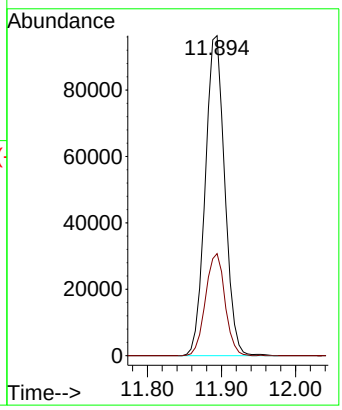


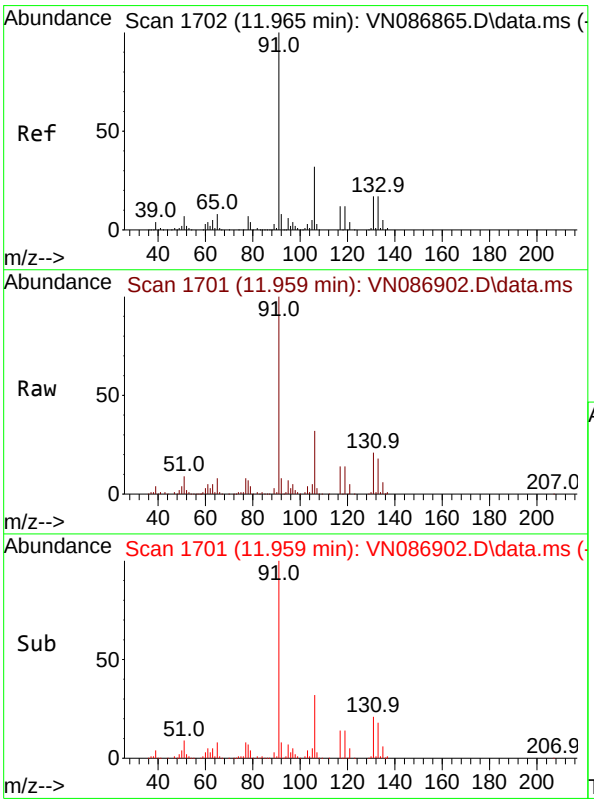
#65
Chlorobenzene
Concen: 20.274 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:112 Resp: 175411

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

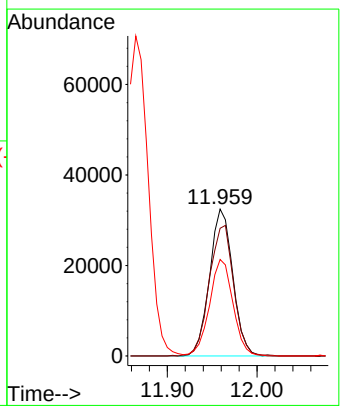


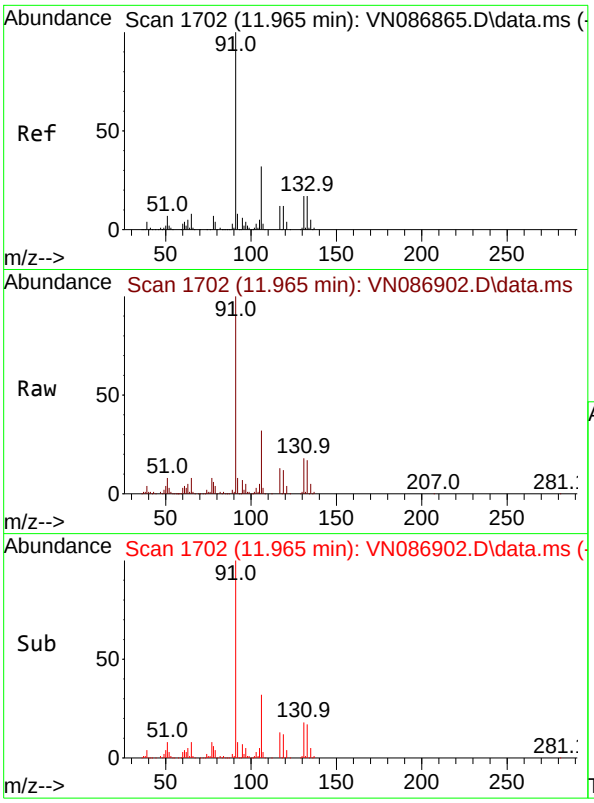


#66
1,1,1,2-Tetrachloroethane
Concen: 20.968 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:131 Resp: 58317

Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.3	144.8
119	66.4	34.0	101.8



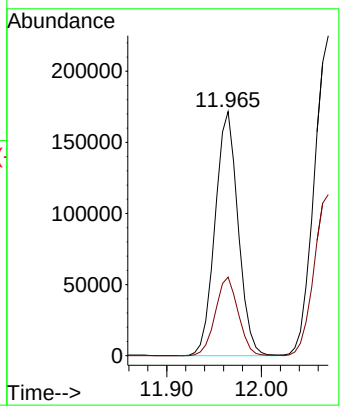


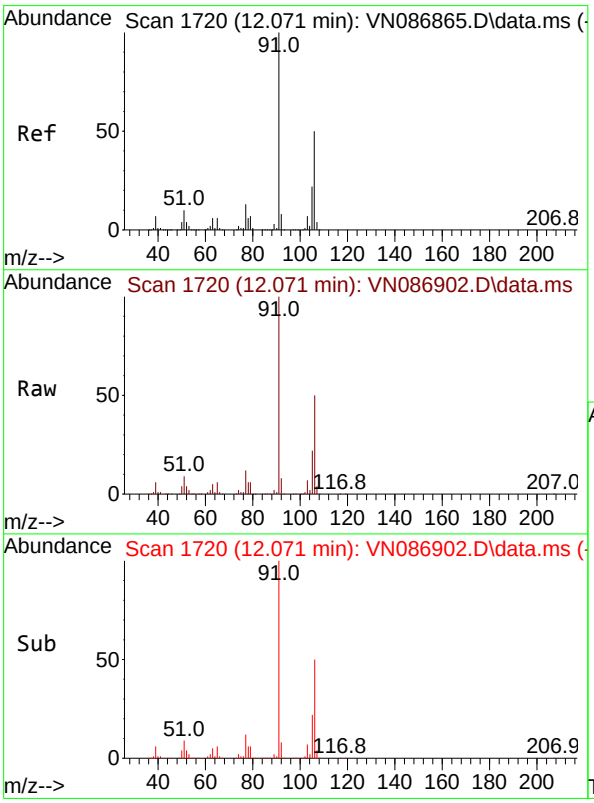
#67
Ethyl Benzene
Concen: 19.466 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 91 Resp: 290096

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2

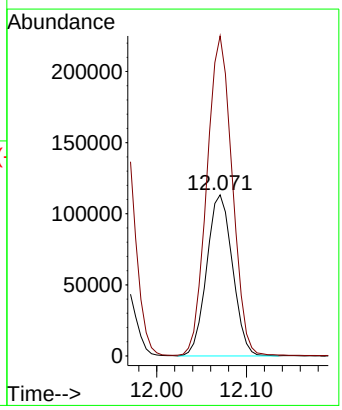


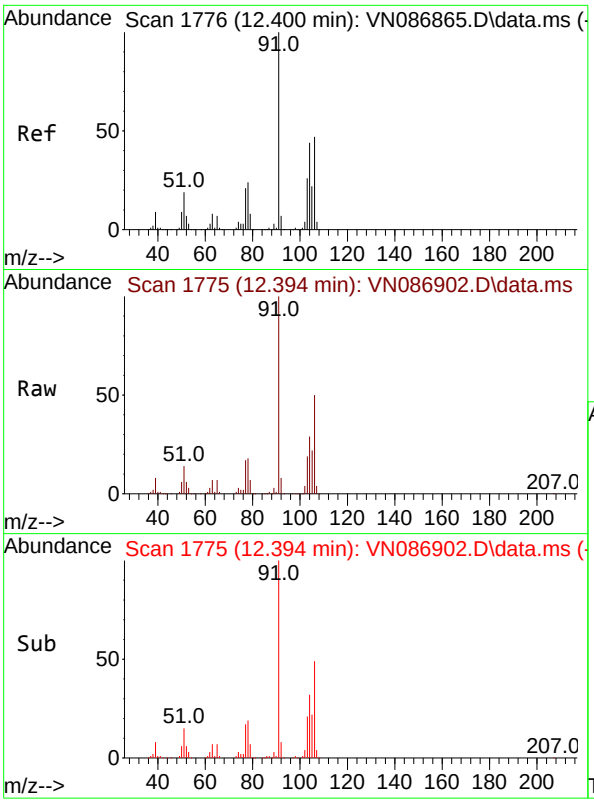


#68
m/p-Xylenes
Concen: 39.665 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:106 Resp: 226281

Ion	Ratio	Lower	Upper
106	100		
91	196.6	159.4	239.0



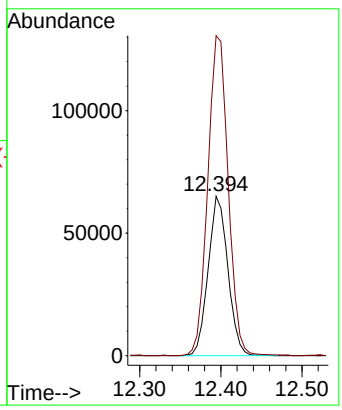


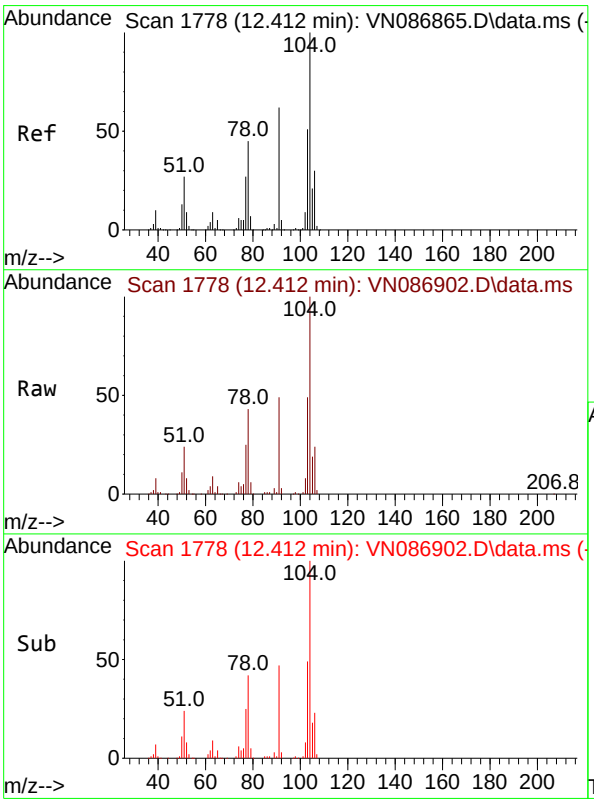
#69
o-Xylene
Concen: 20.117 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:106 Resp: 109915

Ion	Ratio	Lower	Upper
106	100		
91	207.4	106.1	318.1

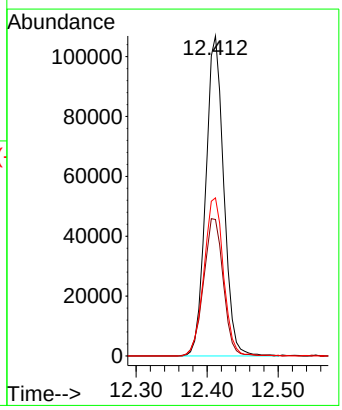


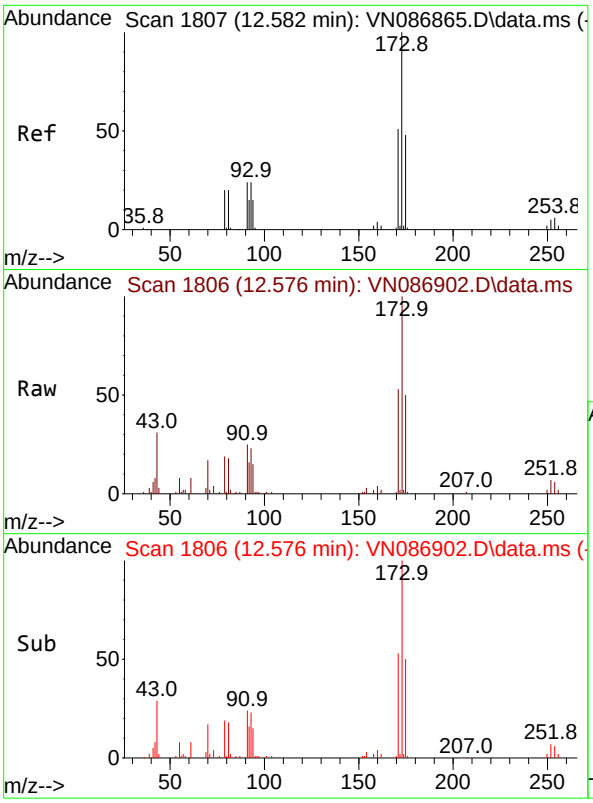


#70
Styrene
Concen: 20.096 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:104 Resp: 187888

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	54.0	43.1	64.7



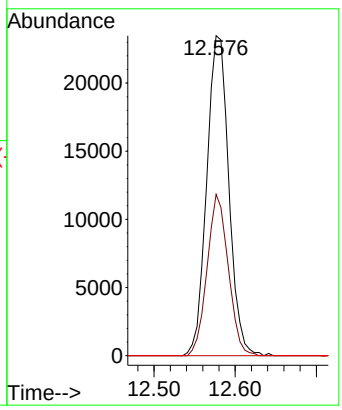


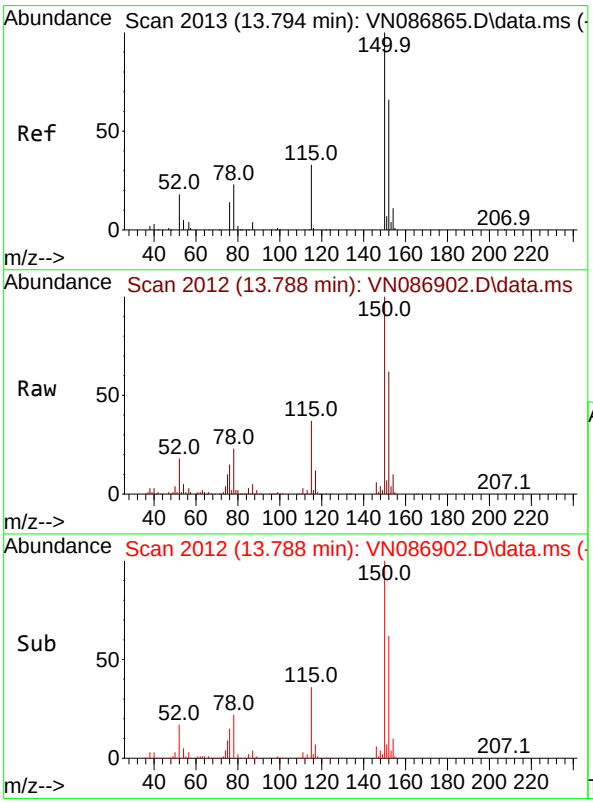
#71
Bromoform
Concen: 21.533 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:173 Resp: 44372

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

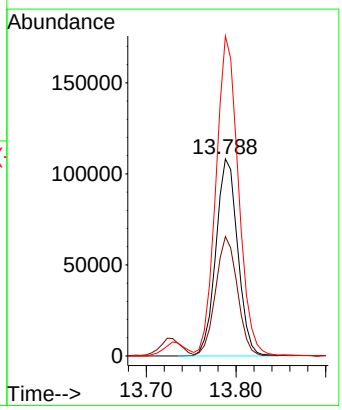


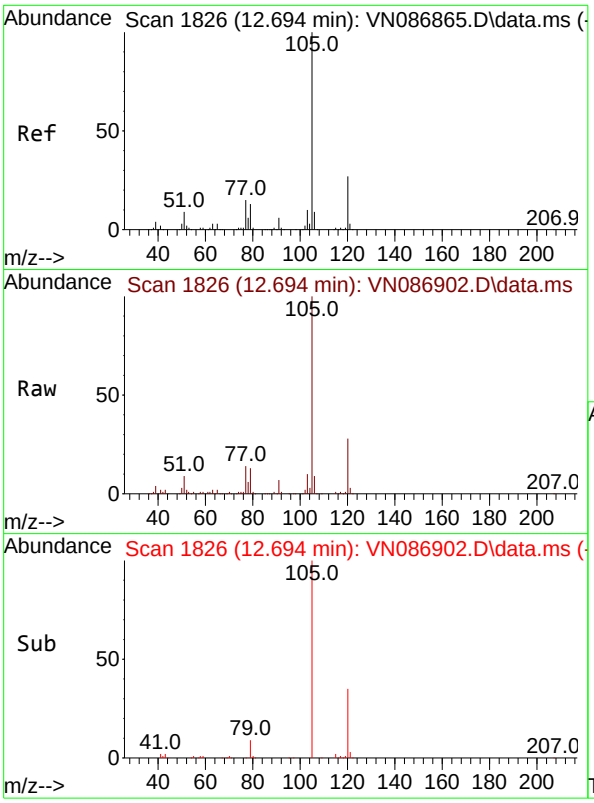


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:152 Resp: 182953

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	167.5	0.0	345.0



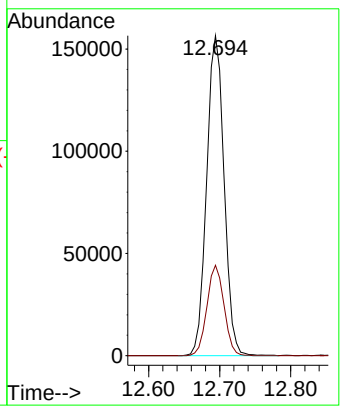


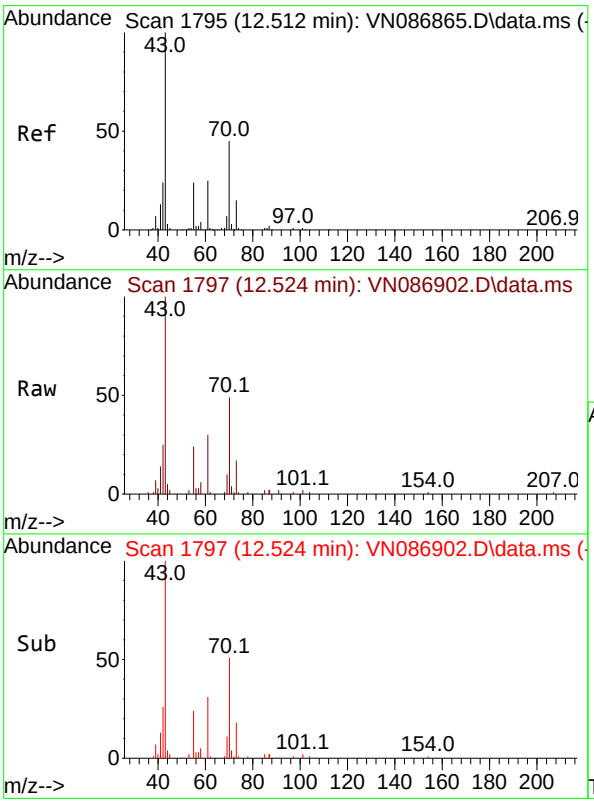
#73
Isopropylbenzene
Concen: 20.030 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:105 Resp: 266966

Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4

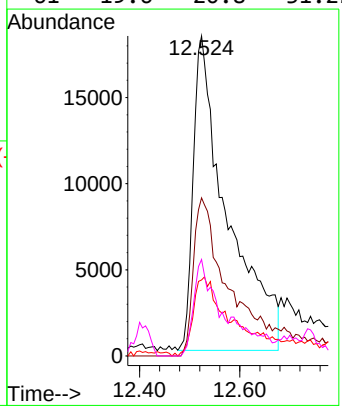


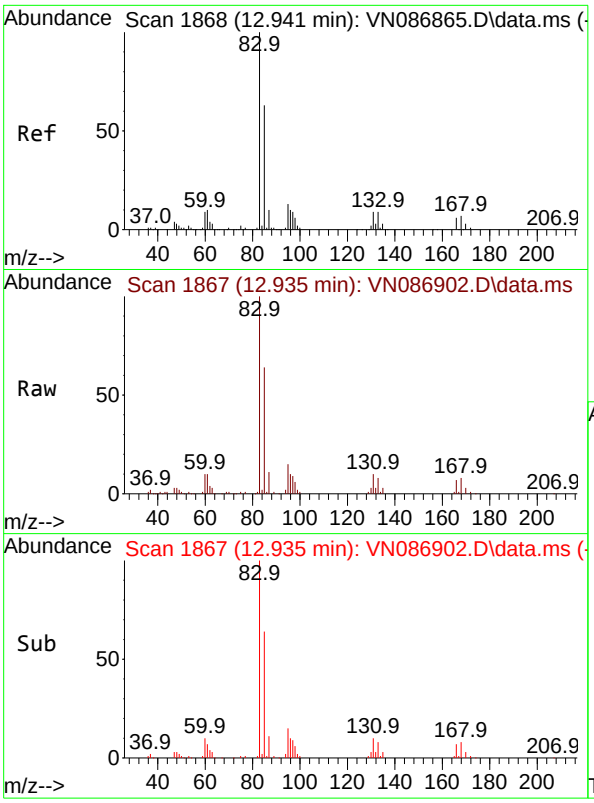


#74
N-amyl acetate
Concen: 18.514 ug/l
RT: 12.524 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 43 Resp: 86229

Ion	Ratio	Lower	Upper
43	100		
70	53.0	37.6	56.4
55	19.6	19.0	28.6
61	19.6	20.8	31.2#



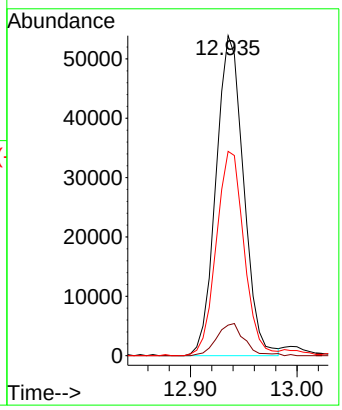


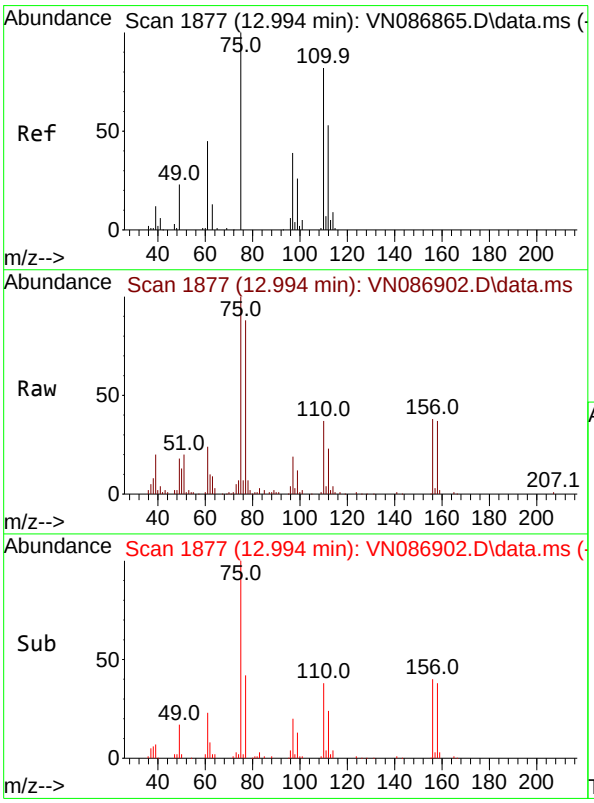
#75
1,1,2,2-Tetrachloroethane
Concen: 21.472 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 83 Resp: 96951

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.2	32.0	96.0

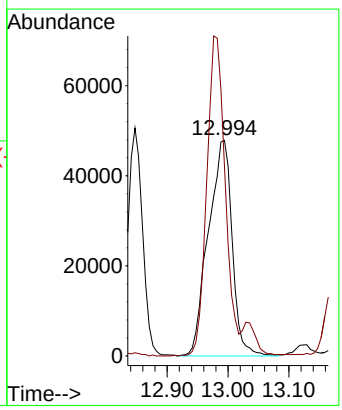


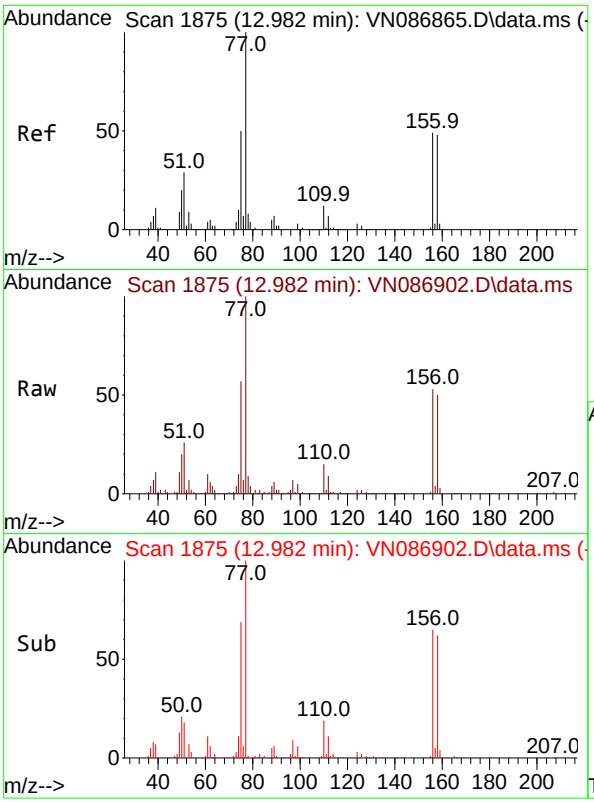


#76
1,2,3-Trichloropropane
Concen: 29.917 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 130104

Ion	Ratio	Lower	Upper
75	100		
77	114.5	79.3	237.9



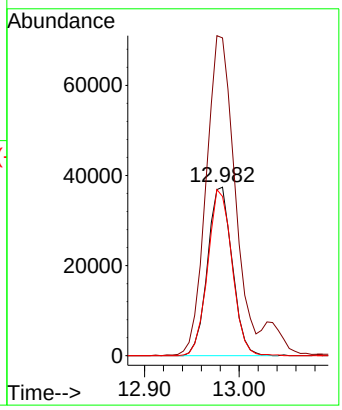


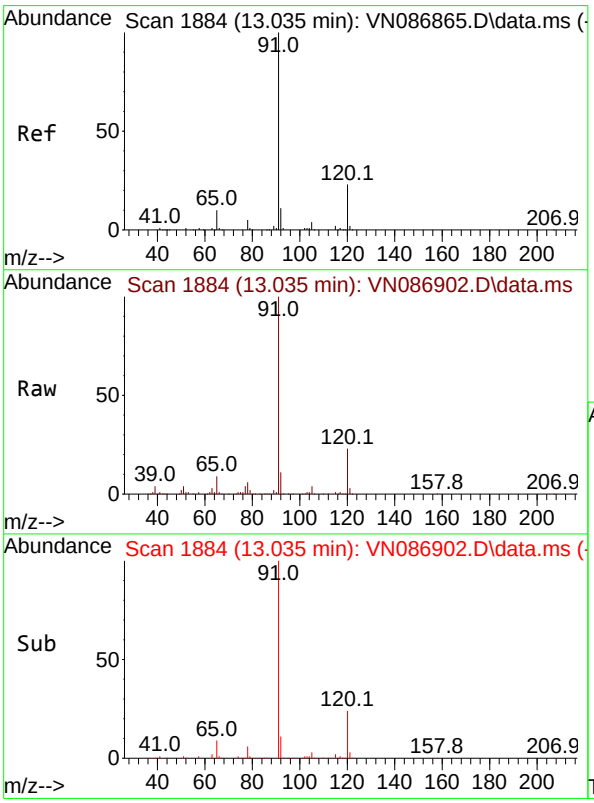
#77
Bromobenzene
Concen: 22.181 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:156 Resp: 67800

Ion	Ratio	Lower	Upper
156	100		
77	219.7	117.7	353.1
158	97.3	48.1	144.4

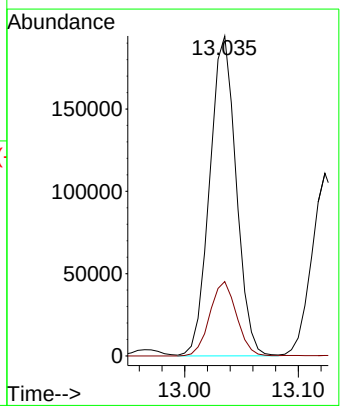


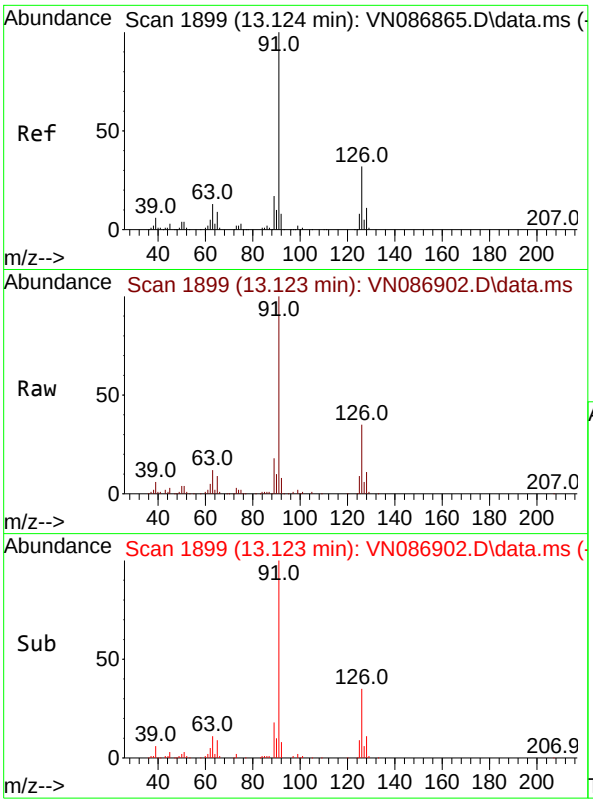


#78
n-propylbenzene
Concen: 19.436 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 314811

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2



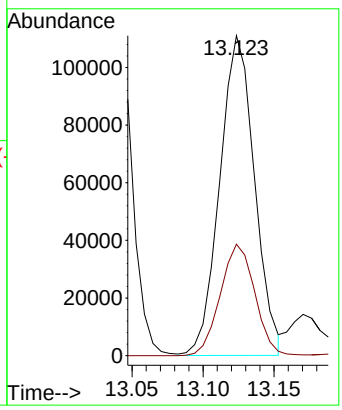


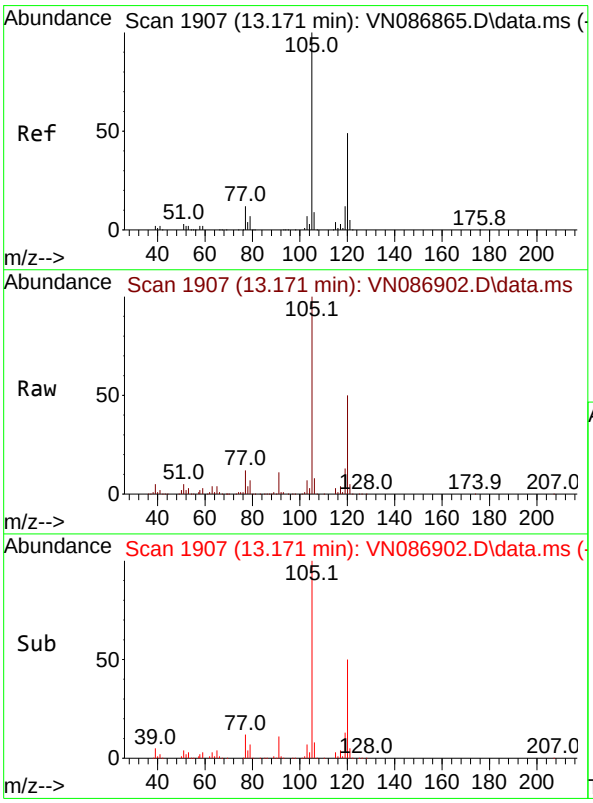
#79
2-Chlorotoluene
Concen: 19.460 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 91 Resp: 189034

Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.2	48.5

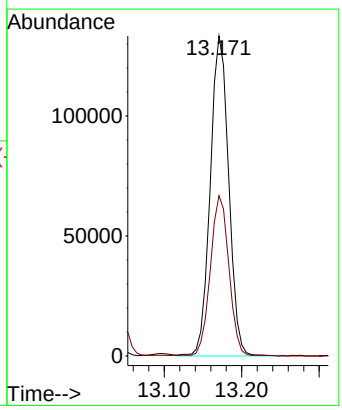


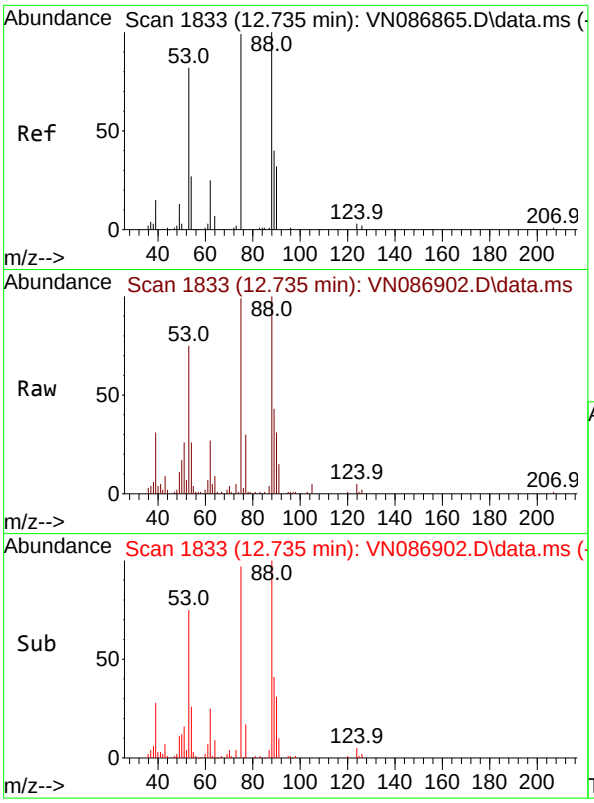


#80
1,3,5-Trimethylbenzene
Concen: 19.996 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 220034

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6



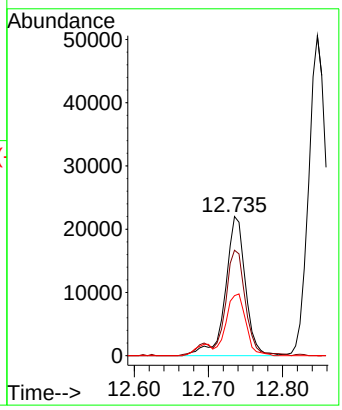


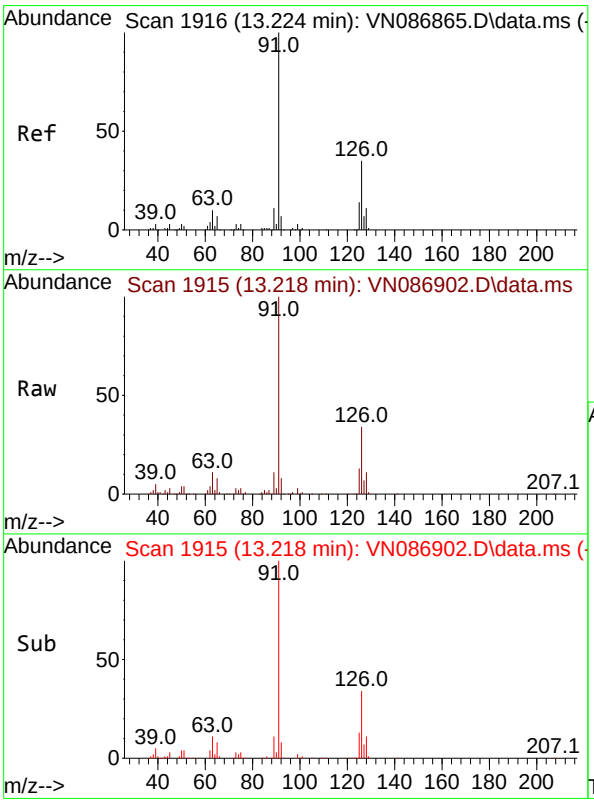
#81
trans-1,4-Dichloro-2-butene
Concen: 21.803 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 75 Resp: 41191

Ion	Ratio	Lower	Upper
75	100		
53	73.8	66.6	99.8
89	44.0	36.7	55.1

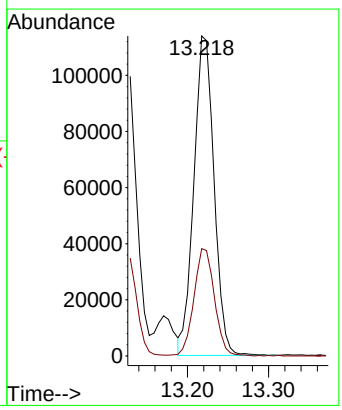


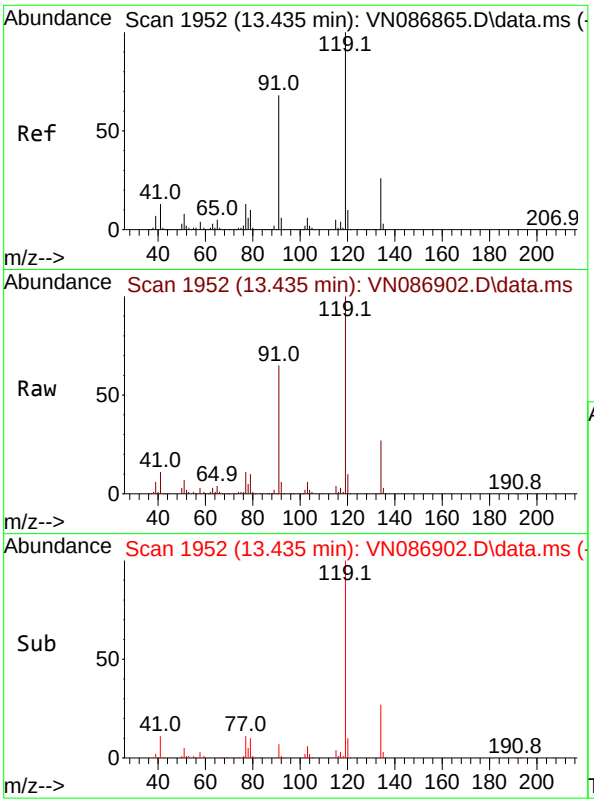


#82
4-Chlorotoluene
Concen: 20.042 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 91 Resp: 196983

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.1



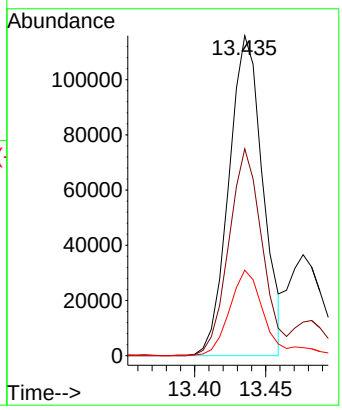


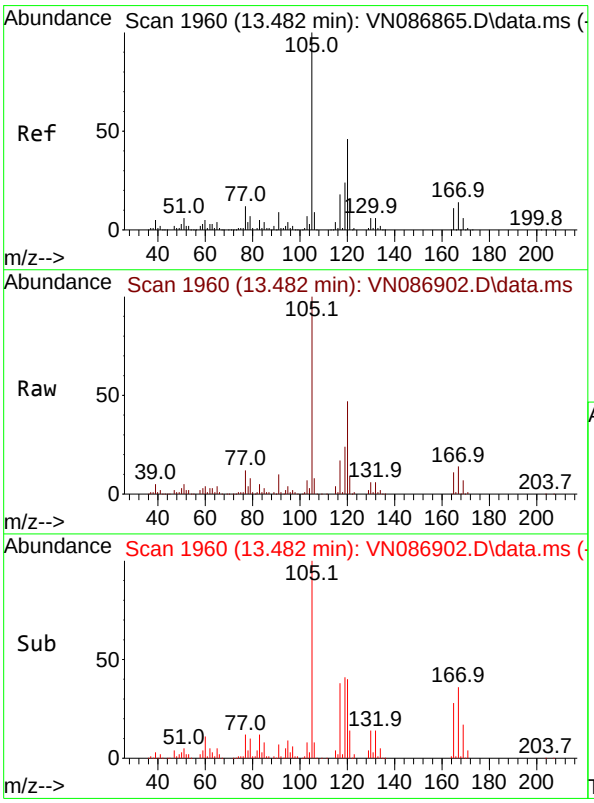
#83
tert-Butylbenzene
Concen: 19.116 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:119 Resp: 192556

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.1	96.5
134	28.0	13.4	40.1

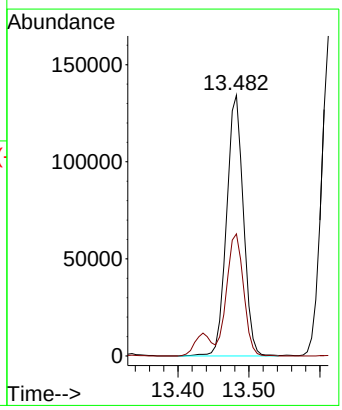


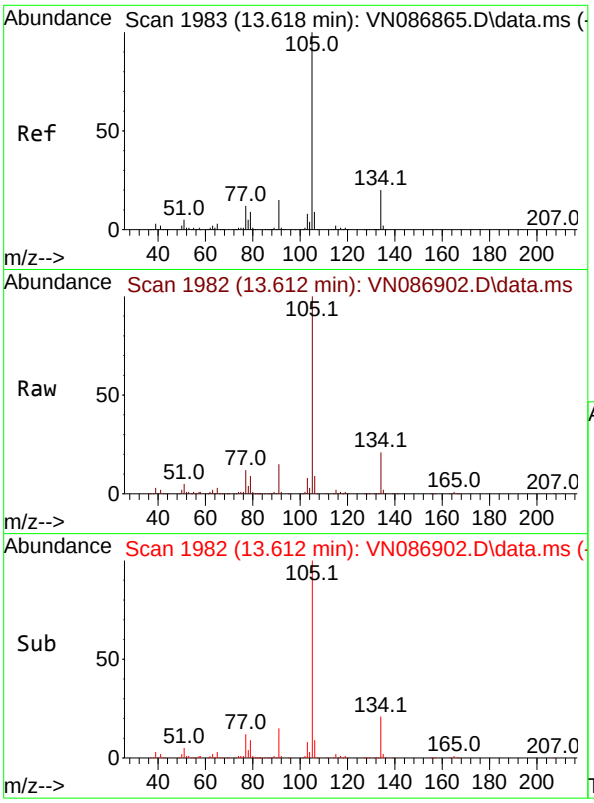


#84
1,2,4-Trimethylbenzene
Concen: 19.978 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:105 Resp: 220449

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.2	69.6



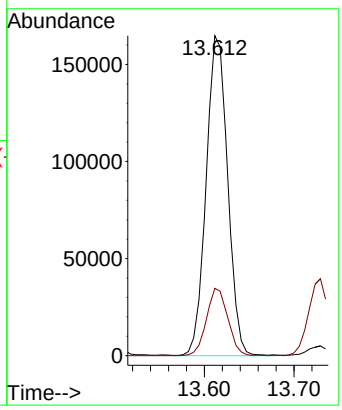


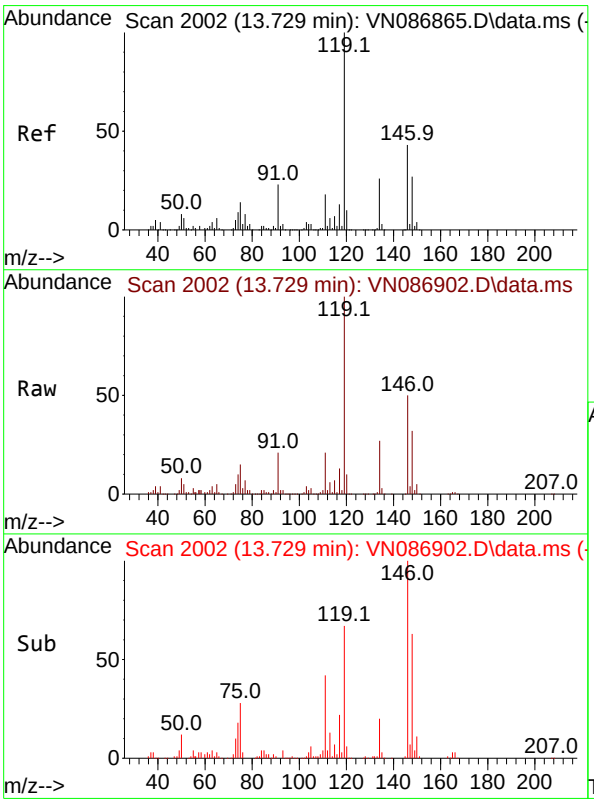
#85
sec-Butylbenzene
Concen: 18.777 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:105 Resp: 274677

Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.0	30.0

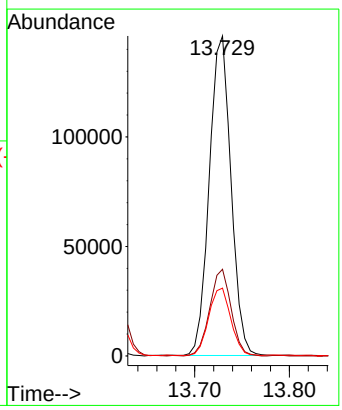


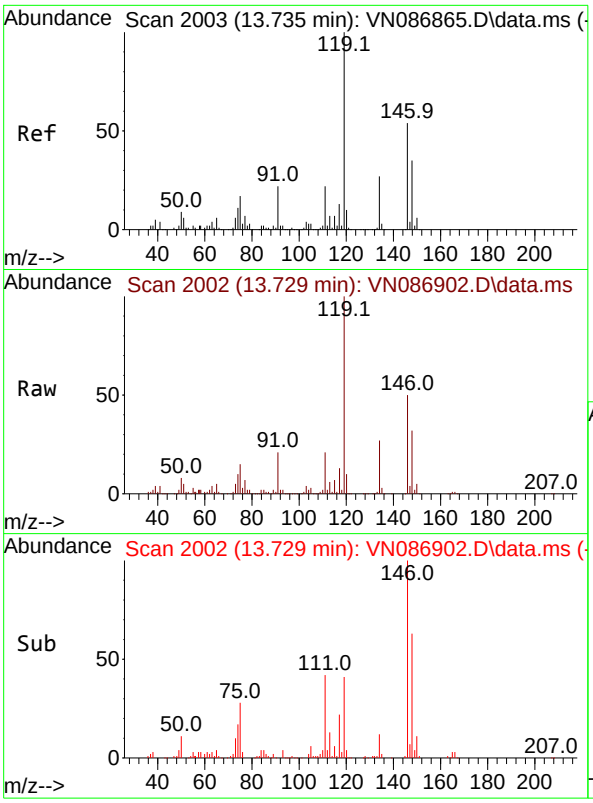


#86
p-Isopropyltoluene
Concen: 19.165 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:119 Resp: 231742

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	21.5	11.5	34.4



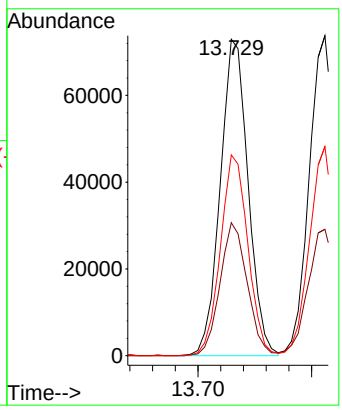


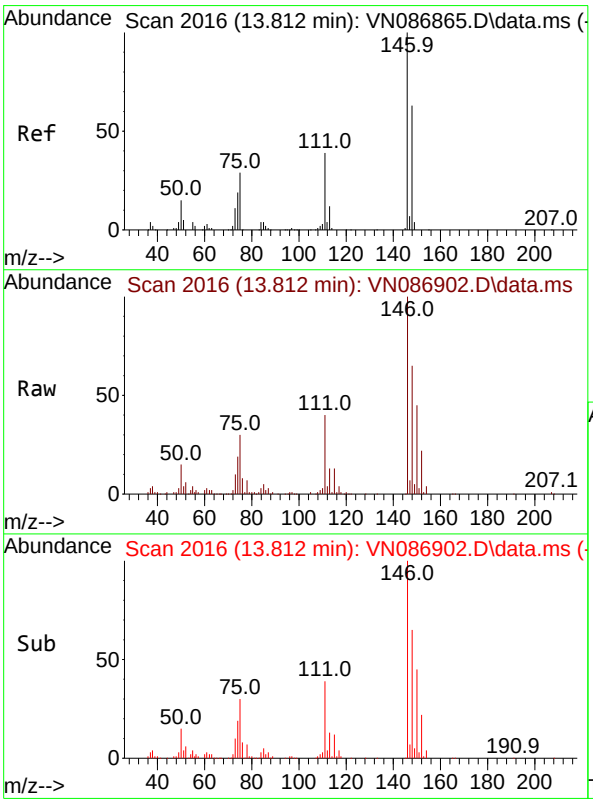
#87
1,3-Dichlorobenzene
Concen: 20.642 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:146 Resp: 124137

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	62.7	32.0	96.2

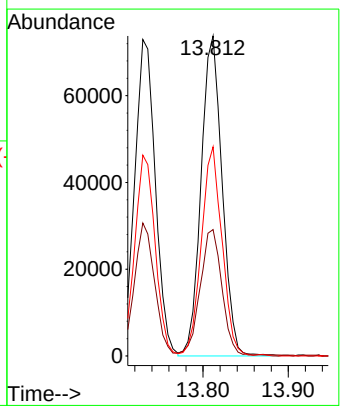


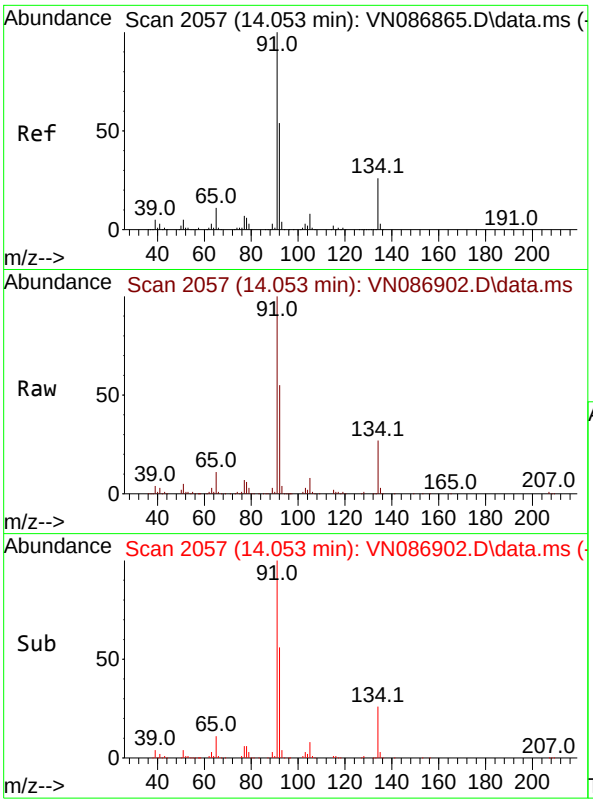


#88
1,4-Dichlorobenzene
Concen: 20.656 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:146 Resp: 126650

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	63.6	31.8	95.4



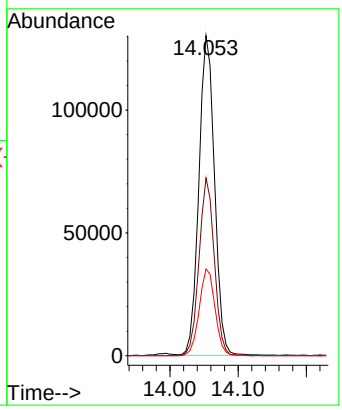


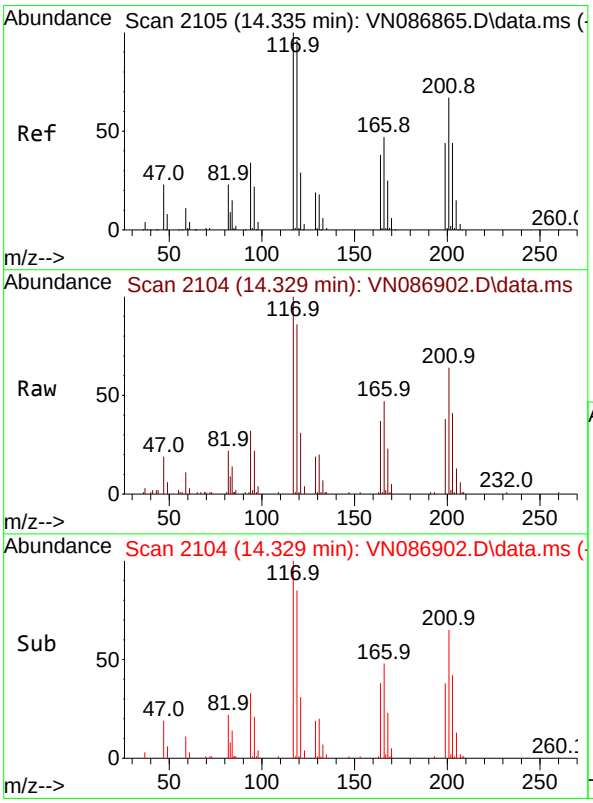
#89
n-Butylbenzene
Concen: 17.715 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion: 91 Resp: 207489

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	27.4	13.0	39.0

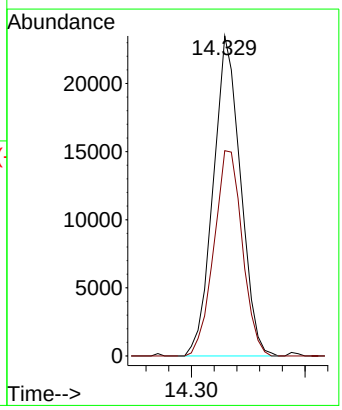


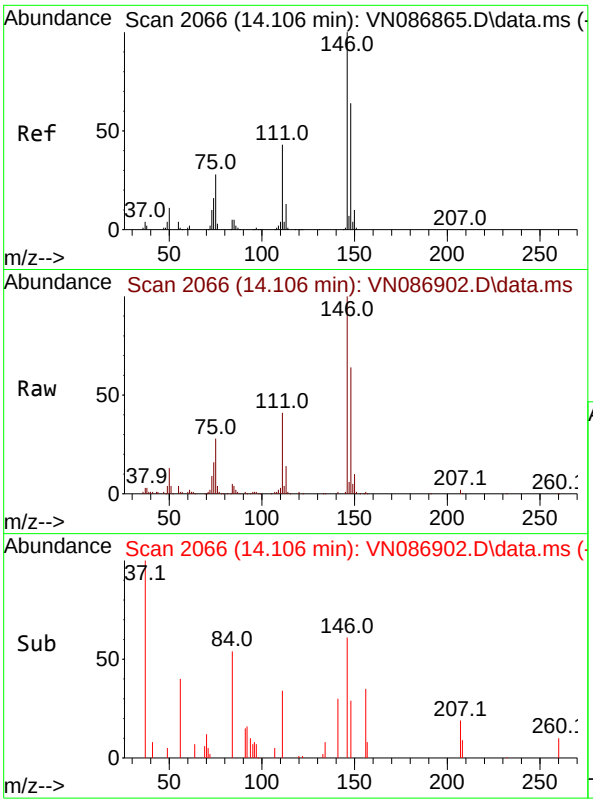


#90
Hexachloroethane
Concen: 19.090 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:117 Resp: 39127

Ion	Ratio	Lower	Upper
117	100		
201	66.8	33.2	99.6



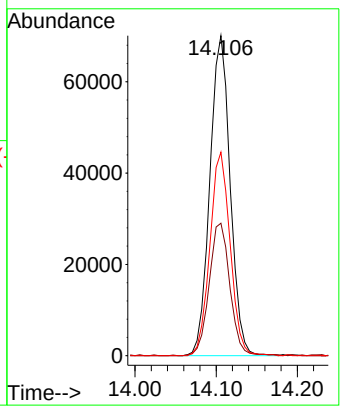


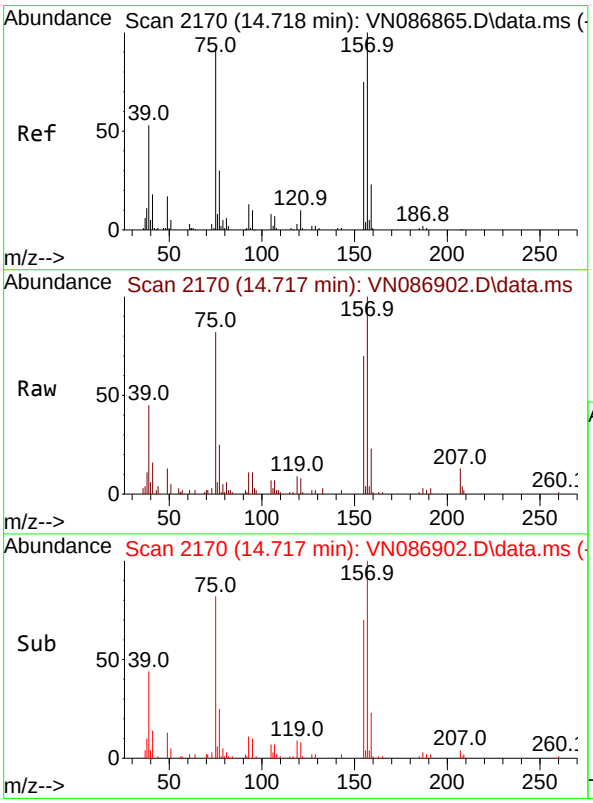
#91
1,2-Dichlorobenzene
Concen: 21.105 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:146 Resp: 121942

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	63.4	31.7	95.1

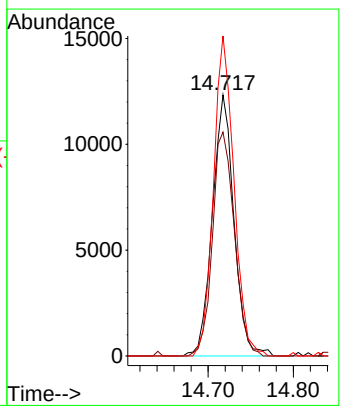


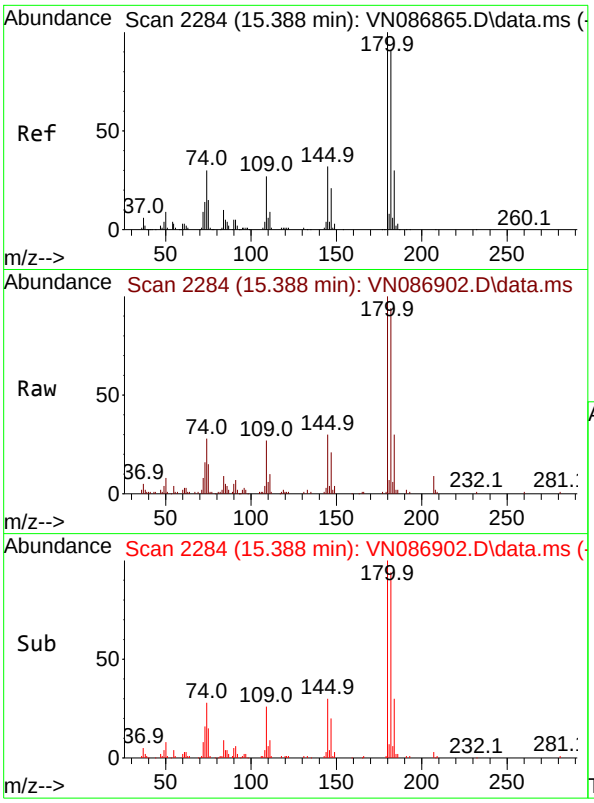


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.059 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion: 75 Resp: 21661

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.1	123.4
157	116.4	52.7	158.1



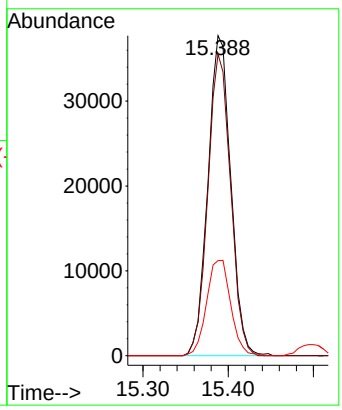


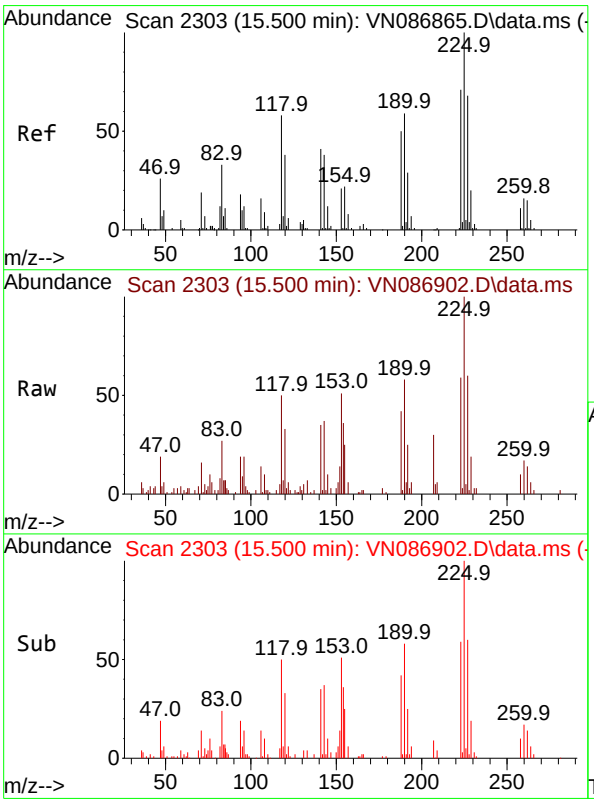
#93
1,2,4-Trichlorobenzene
Concen: 19.028 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:180 Resp: 70202

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.7
145	31.5	16.0	47.9

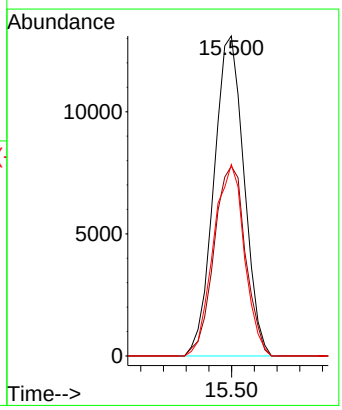


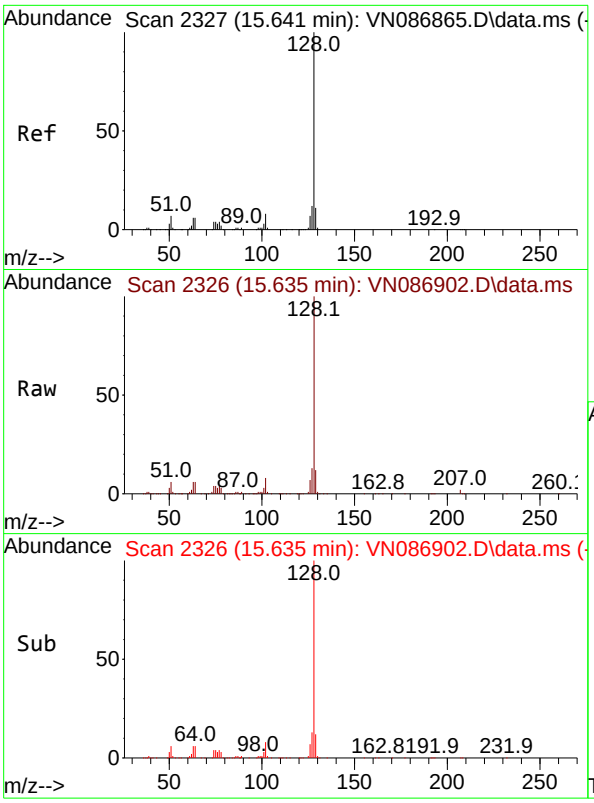


#94
Hexachlorobutadiene
Concen: 17.589 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:225 Resp: 24178

Ion	Ratio	Lower	Upper
225	100		
223	62.1	33.5	100.4
227	61.2	31.1	93.5



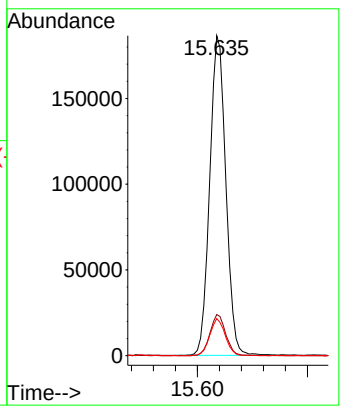


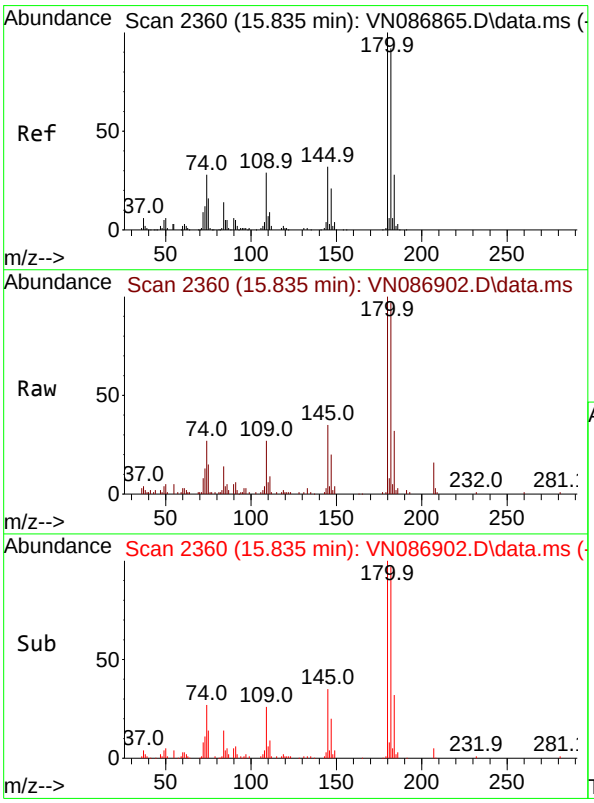
#95
Naphthalene
Concen: 27.638 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Tgt Ion:128 Resp: 379545

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	8.8	13.2

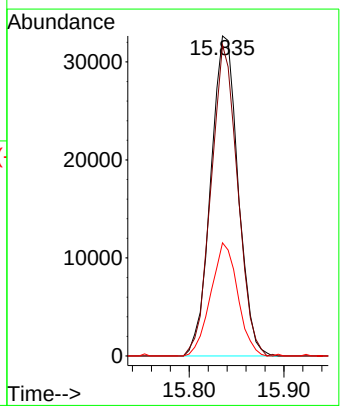




#96
1,2,3-Trichlorobenzene
Concen: 17.840 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086902.D
Acq: 09 Jun 2025 14:04

Tgt Ion:180 Resp: 65394

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	34.9	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	236708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	151095	47.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.360%			
35) Dibromofluoromethane	8.177	113	129680	52.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	499965	50.734	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.847	95	182658	49.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	118146	50.059	ug/l	99
3) Chloromethane	2.395	50	127974	41.991	ug/l	100
4) Vinyl Chloride	2.553	62	151561	48.209	ug/l	100
5) Bromomethane	2.995	94	81229	46.171	ug/l	100
6) Chloroethane	3.153	64	96939	47.736	ug/l	93
7) Trichlorofluoromethane	3.530	101	201360	49.022	ug/l	97
8) Diethyl Ether	3.983	74	91879	51.339	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	123565	47.882	ug/l	99
10) Methyl Iodide	4.612	142	133936	40.037	ug/l	99
11) Tert butyl alcohol	5.536	59	189378	220.221	ug/l	100
12) 1,1-Dichloroethene	4.365	96	130373	49.484	ug/l	97
13) Acrolein	4.200	56	73143	268.707	ug/l	100
14) Allyl chloride	5.047	41	189080	43.274	ug/l	97
15) Acrylonitrile	5.736	53	475432	236.533	ug/l	100
16) Acetone	4.447	43	357830	212.908	ug/l	99
17) Carbon Disulfide	4.742	76	336096	46.119	ug/l	99
18) Methyl Acetate	5.041	43	226758	46.298	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	474699	49.762	ug/l	99
20) Methylene Chloride	5.294	84	148574	47.218	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	139305	47.524	ug/l	95
22) Diisopropyl ether	6.688	45	431629	46.864	ug/l	97
23) Vinyl Acetate	6.618	43	1840663	236.538	ug/l	98
24) 1,1-Dichloroethane	6.583	63	255395	48.185	ug/l	99
25) 2-Butanone	7.494	43	609830	223.226	ug/l	95
26) 2,2-Dichloropropane	7.500	77	188220	45.651	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	173722	49.555	ug/l	96
28) Bromochloromethane	7.824	49	111761	42.885	ug/l	90
29) Tetrahydrofuran	7.847	42	397327	223.263	ug/l	95
30) Chloroform	7.977	83	254626	48.104	ug/l	99
31) Cyclohexane	8.265	56	211876	41.219	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	212823	47.273	ug/l	98
36) 1,1-Dichloropropene	8.382	75	182786	49.276	ug/l	99
37) Ethyl Acetate	7.571	43	216357	45.818	ug/l	97
38) Carbon Tetrachloride	8.371	117	180152	49.468	ug/l	95
39) Methylcyclohexane	9.606	83	216305	42.563	ug/l	95
40) Benzene	8.612	78	593973	48.968	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	120583	45.470	ug/l		93
42) 1,2-Dichloroethane	8.677	62	180979	49.191	ug/l		99
43) Isopropyl Acetate	8.694	43	351721	46.408	ug/l		96
44) Trichloroethene	9.359	130	148206	51.528	ug/l		97
45) 1,2-Dichloropropane	9.624	63	143932	48.774	ug/l		100
46) Dibromomethane	9.712	93	100752	51.401	ug/l		98
47) Bromodichloromethane	9.894	83	199966	49.584	ug/l		98
48) Methyl methacrylate	9.682	41	163795	46.955	ug/l		95
49) 1,4-Dioxane	9.706	88	62666	987.483	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	1102726	241.688	ug/l		97
52) Toluene	10.629	92	372743	50.283	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	227518	50.452	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	239800	49.698	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	144074	50.511	ug/l		99
56) Ethyl methacrylate	10.876	69	246945	54.356	ug/l		94
57) 1,3-Dichloropropane	11.165	76	246620	49.842	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	630783	232.785	ug/l		98
59) 2-Hexanone	11.200	43	749210	254.927	ug/l		92
60) Dibromochloromethane	11.359	129	157642	53.046	ug/l		100
61) 1,2-Dibromoethane	11.470	107	151234	51.729	ug/l		98
64) Tetrachloroethene	11.106	164	110856	48.432	ug/l		97
65) Chlorobenzene	11.894	112	406325	50.938	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	133877	52.211	ug/l		99
67) Ethyl Benzene	11.965	91	678406	49.375	ug/l		99
68) m/p-Xylenes	12.070	106	534450	101.613	ug/l		98
69) o-Xylene	12.400	106	260364	51.686	ug/l		96
70) Styrene	12.412	104	450190	52.227	ug/l		99
71) Bromoform	12.576	173	106042	55.815	ug/l	#	100
73) Isopropylbenzene	12.694	105	620099	49.532	ug/l		99
74) N-amyl acetate	12.506	43	252846	57.797	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	222152	52.379	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	298072	72.970	ug/l		70
77) Bromobenzene	12.976	156	156843	54.629	ug/l		96
78) n-propylbenzene	13.035	91	734563	48.282	ug/l		99
79) 2-Chlorotoluene	13.123	91	453845	49.742	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	511955	49.531	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	95072	53.576	ug/l		91
82) 4-Chlorotoluene	13.217	91	461943	50.037	ug/l		98
83) tert-Butylbenzene	13.435	119	443059	46.828	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	520317	50.201	ug/l		99
85) sec-Butylbenzene	13.612	105	640017	46.581	ug/l		99
86) p-Isopropyltoluene	13.729	119	539030	47.459	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	288285	51.035	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	295752	51.354	ug/l		99
89) n-Butylbenzene	14.053	91	483251	43.927	ug/l		99
90) Hexachloroethane	14.329	117	93467	48.549	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	281872	51.939	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49570	48.871	ug/l		91
93) 1,2,4-Trichlorobenzene	15.388	180	158810	45.826	ug/l		99
94) Hexachlorobutadiene	15.500	225	51579	39.949	ug/l		100
95) Naphthalene	15.635	128	691305	53.593	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	152993	44.434	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

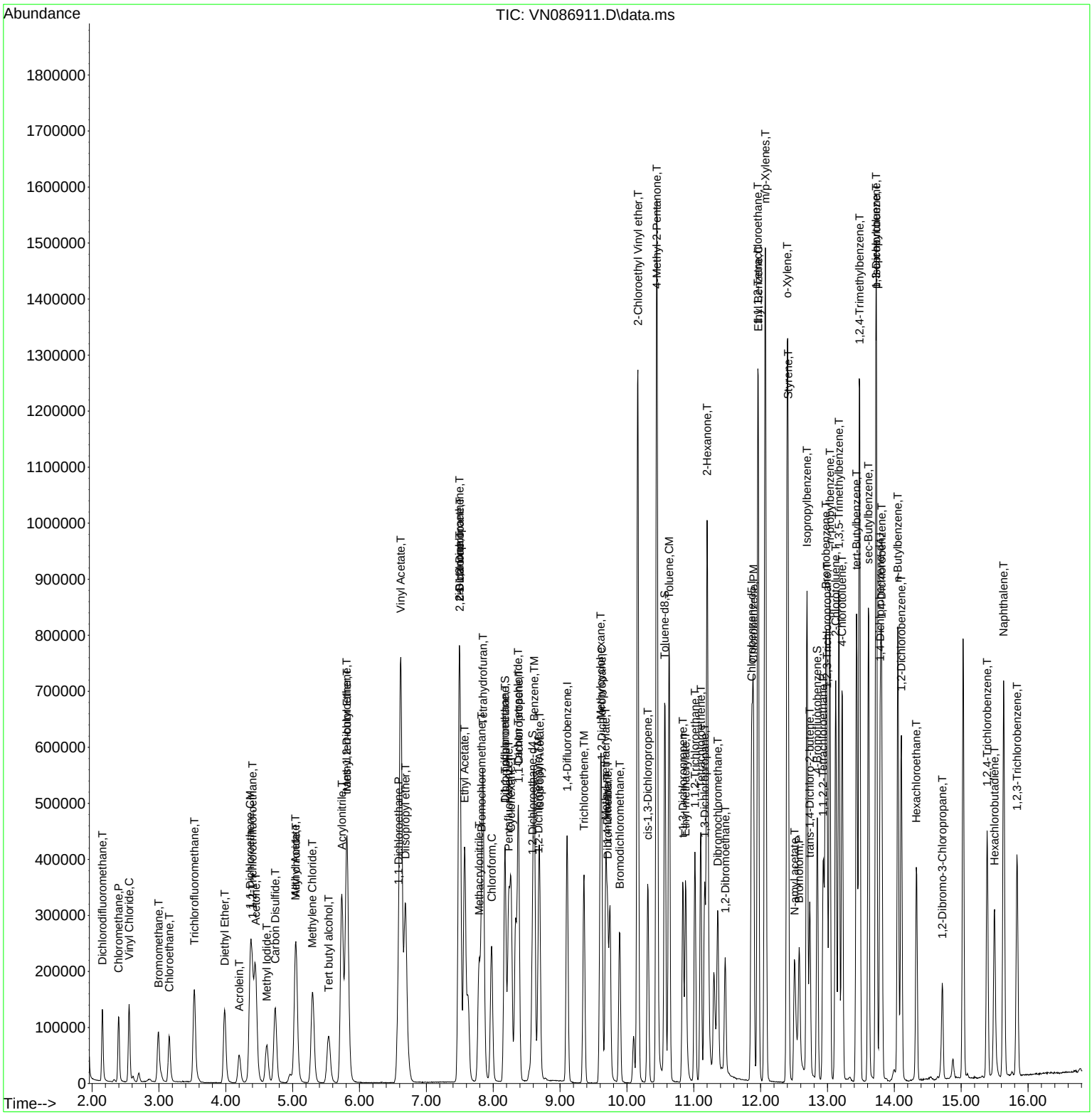
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

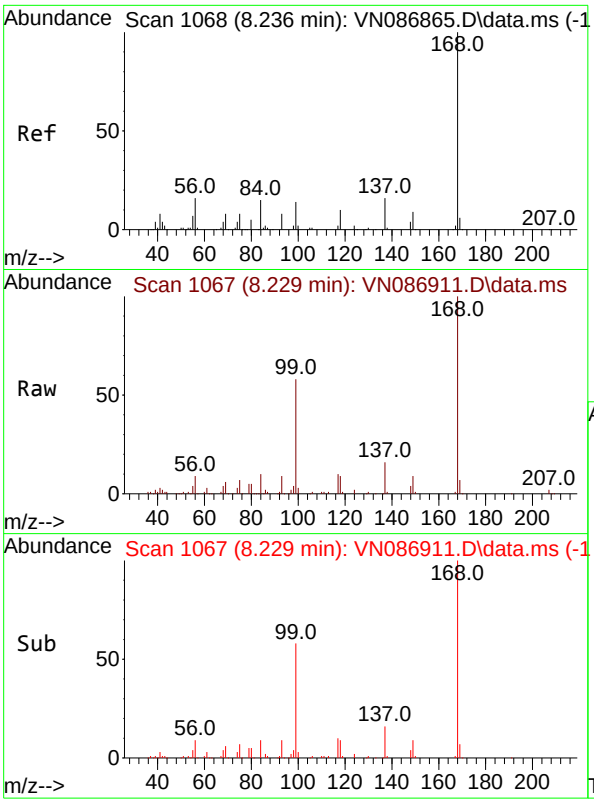
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086911.D
Acq On : 09 Jun 2025 17:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 10 03:36:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



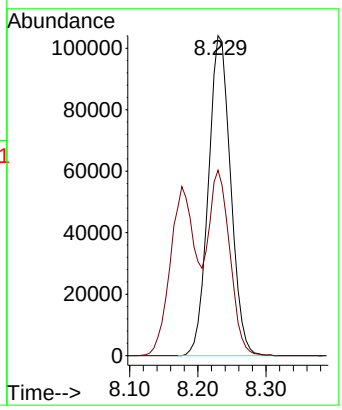


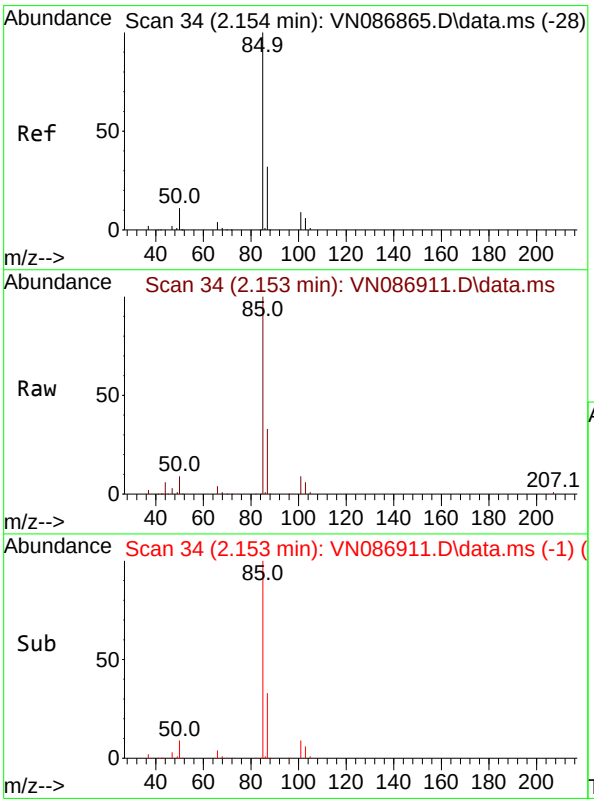
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 236708

Ion	Ratio	Lower	Upper
168	100		
99	58.0	49.1	73.7

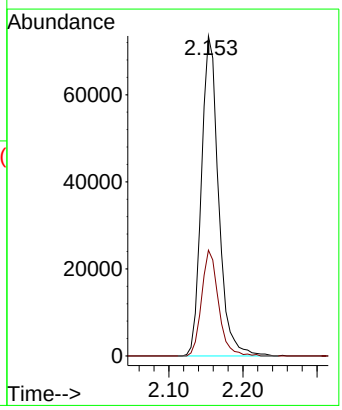


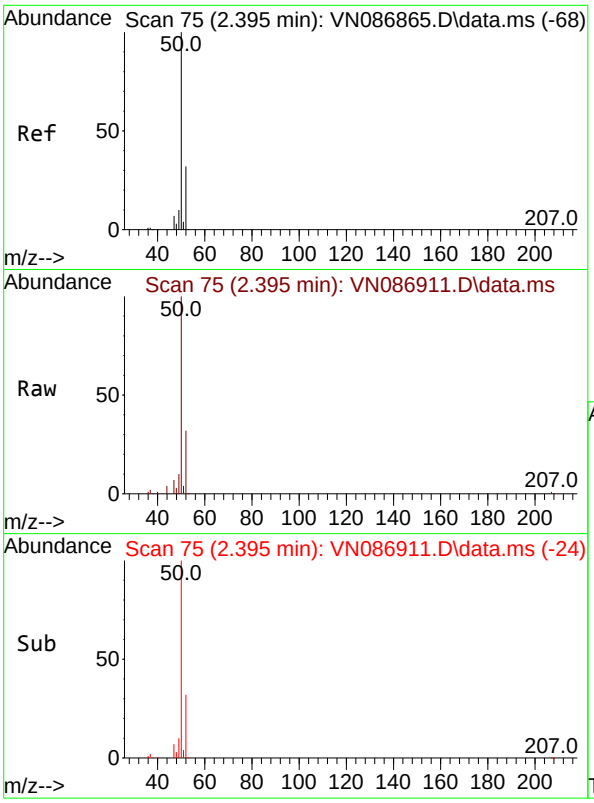


#2
Dichlorodifluoromethane
Concen: 50.059 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 85 Resp: 118146

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6



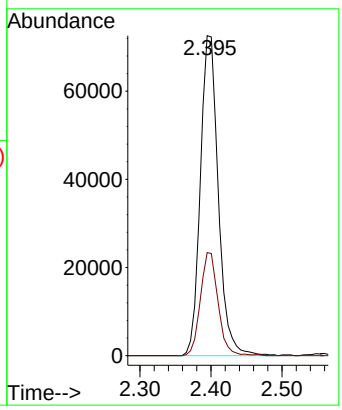


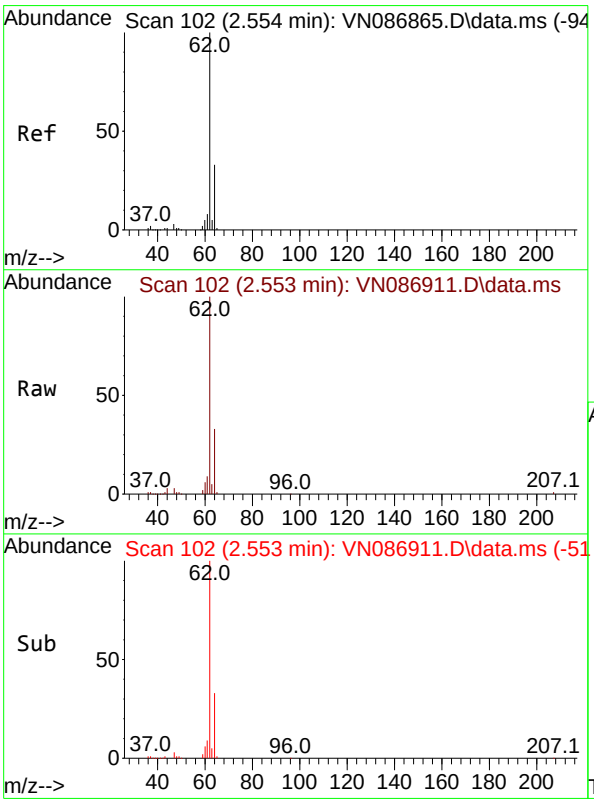
#3
Chloromethane
Concen: 41.991 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 127974

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5

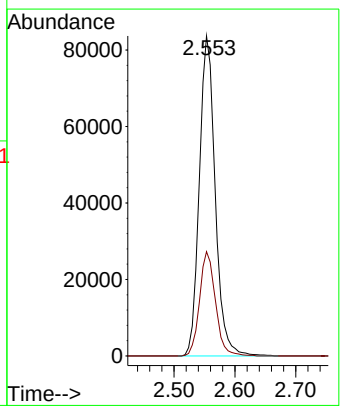


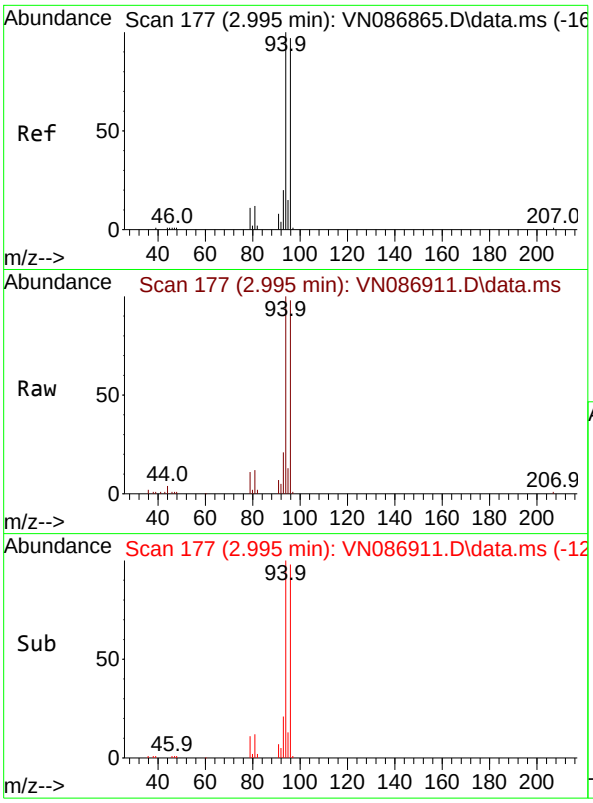


#4
Vinyl Chloride
Concen: 48.209 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 62 Resp: 151561

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0



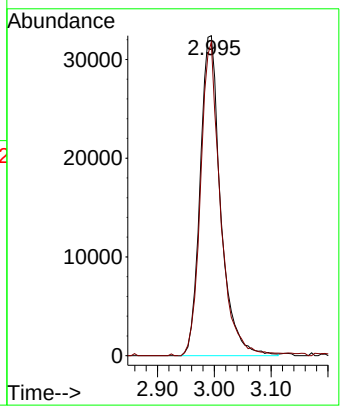


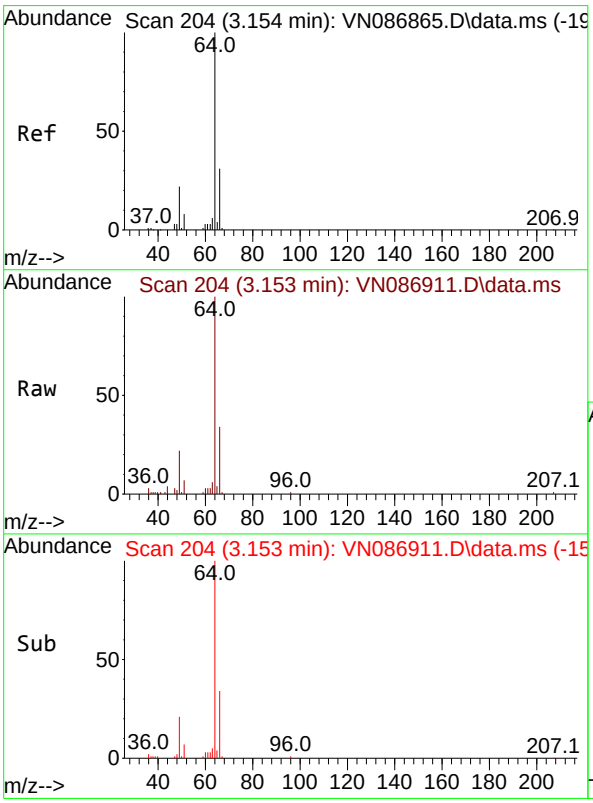
#5
Bromomethane
Concen: 46.171 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 81229

Ion	Ratio	Lower	Upper
94	100		
96	97.9	77.9	116.9

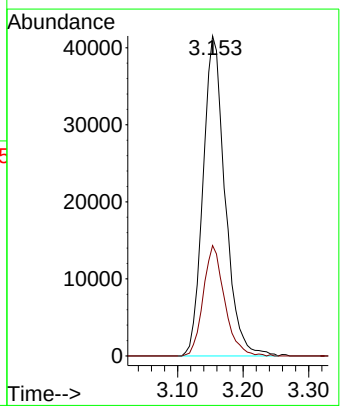


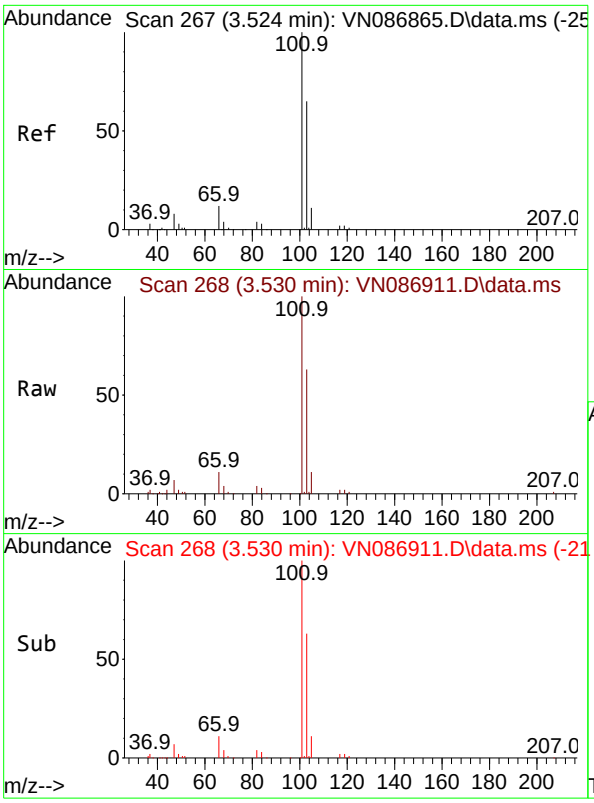


#6
Chloroethane
Concen: 47.736 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 64 Resp: 96939

Ion	Ratio	Lower	Upper
64	100		
66	34.5	24.6	36.8



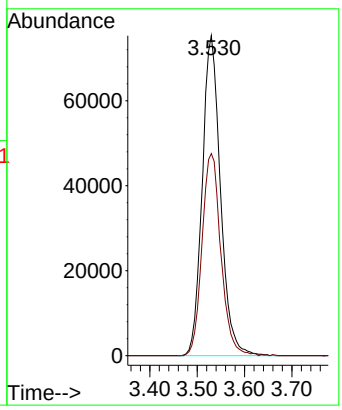


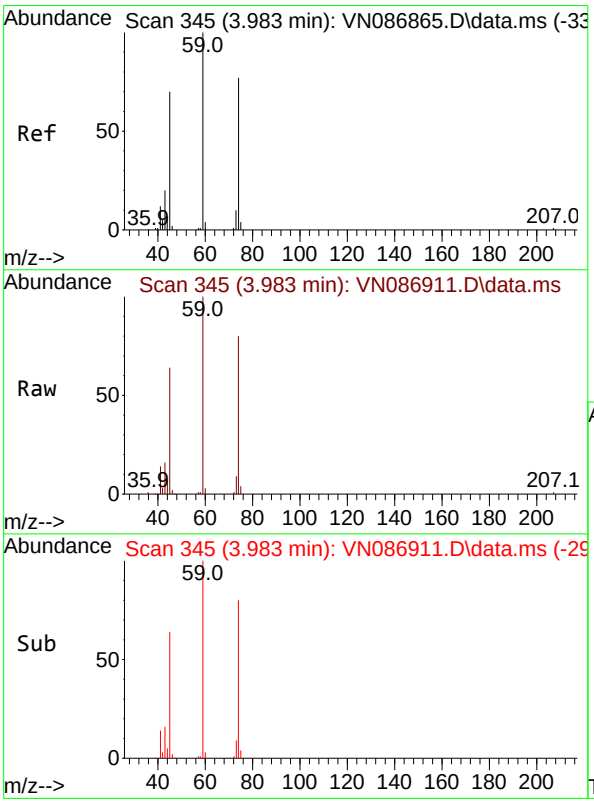
#7
Trichlorofluoromethane
Concen: 49.022 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 201360

Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.2

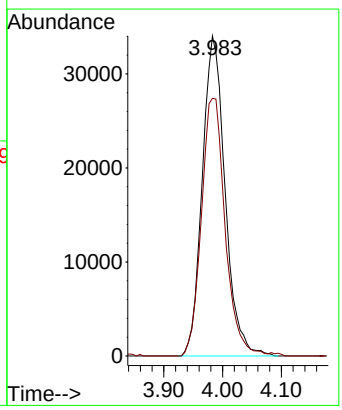


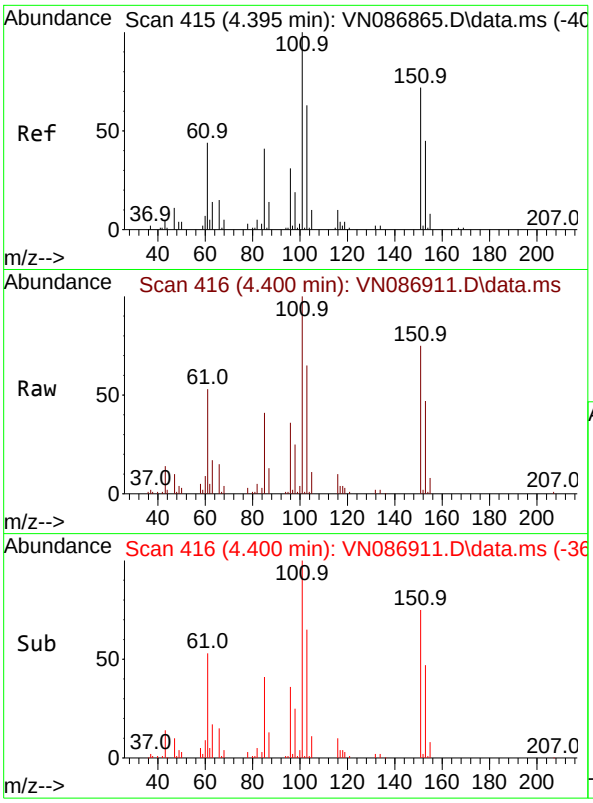


#8
Diethyl Ether
Concen: 51.339 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 74 Resp: 91879

Ion	Ratio	Lower	Upper
74	100		
45	83.6	45.5	136.5



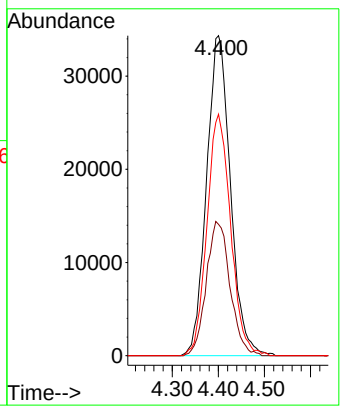


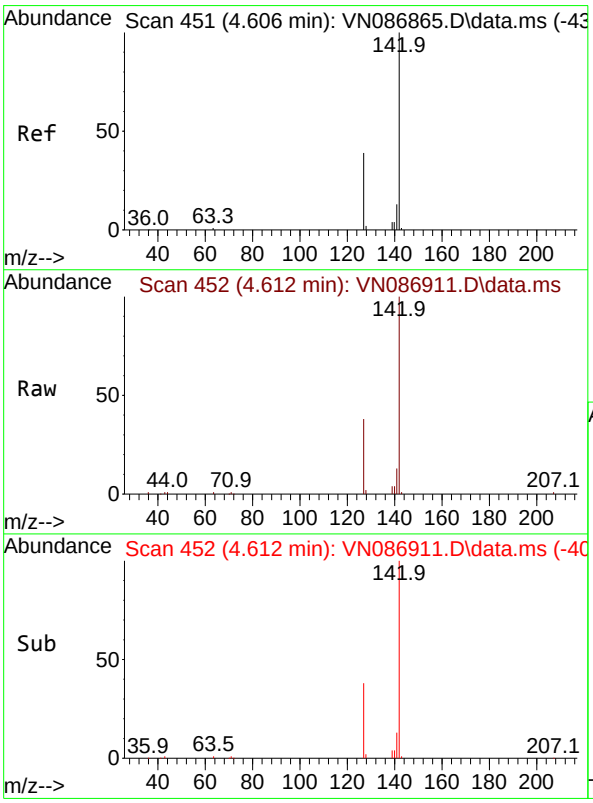
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.882 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 123565

Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.8	50.8
151	74.9	58.7	88.1

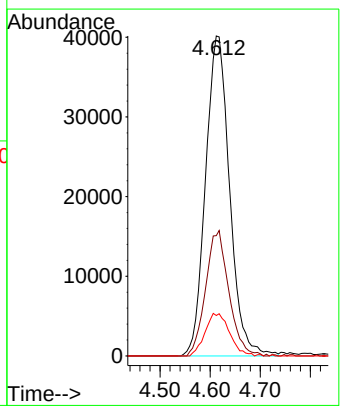


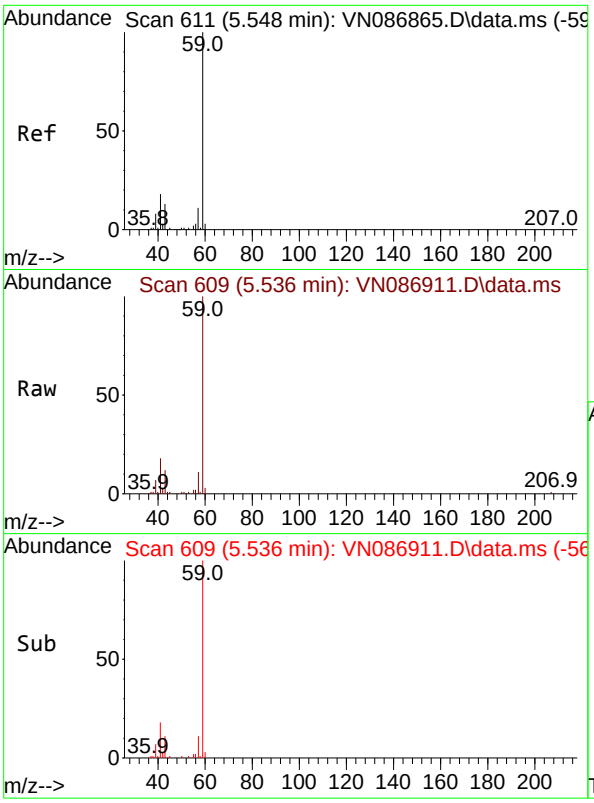


#10
Methyl Iodide
Concen: 40.037 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:142 Resp: 133936

Ion	Ratio	Lower	Upper
142	100		
127	37.6	30.9	46.3
141	12.7	10.4	15.6



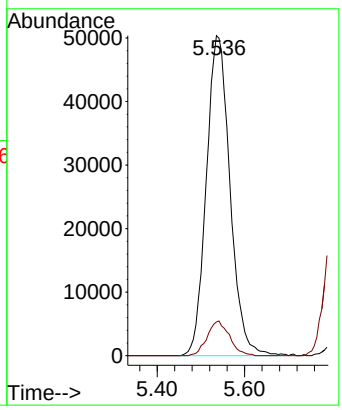


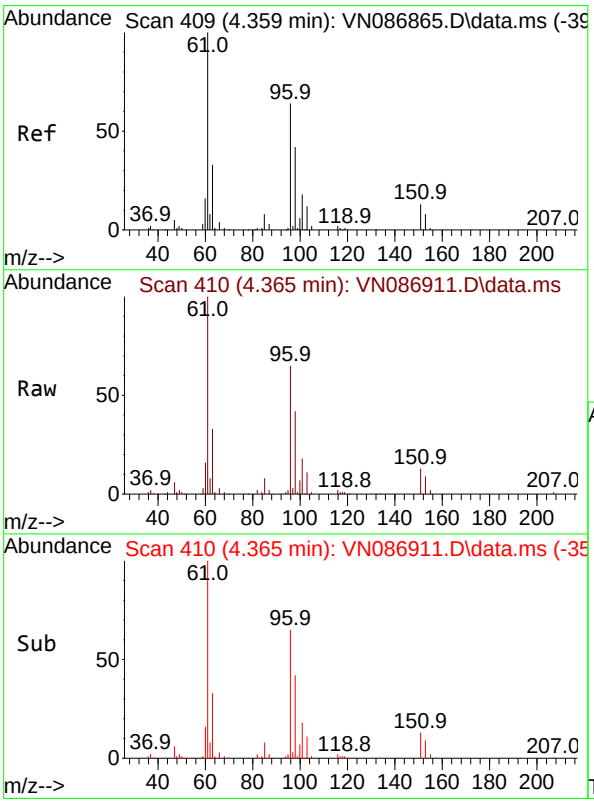
#11
Tert butyl alcohol
Concen: 220.221 ug/l
RT: 5.536 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 189378

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

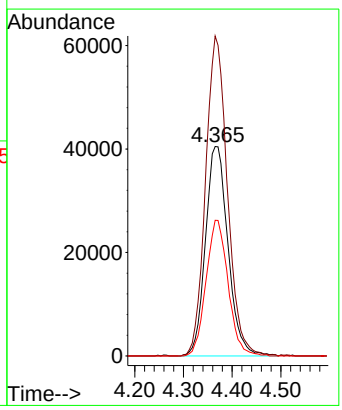


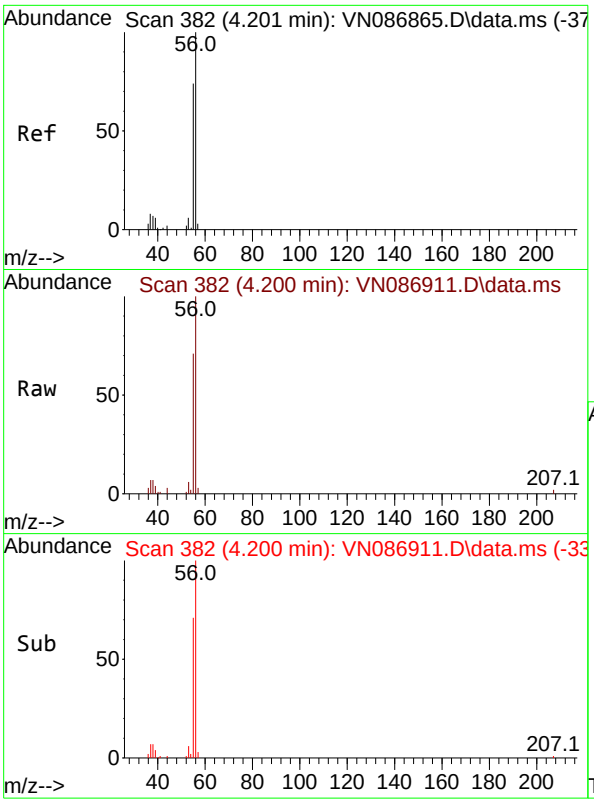


#12
1,1-Dichloroethene
Concen: 49.484 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 96 Resp: 130373

Ion	Ratio	Lower	Upper
96	100		
61	152.7	125.8	188.6
98	64.8	52.5	78.7



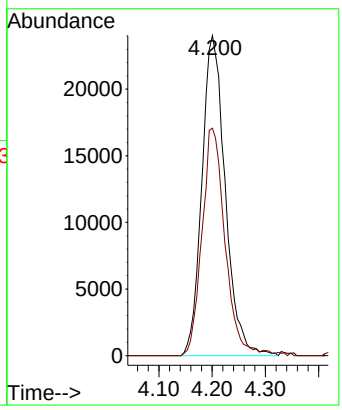


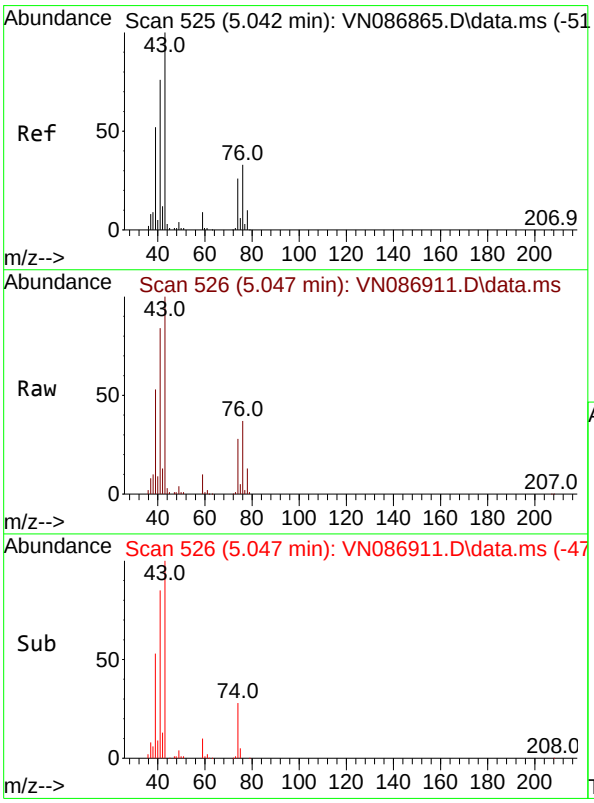
#13
Acrolein
Concen: 268.707 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 73143

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

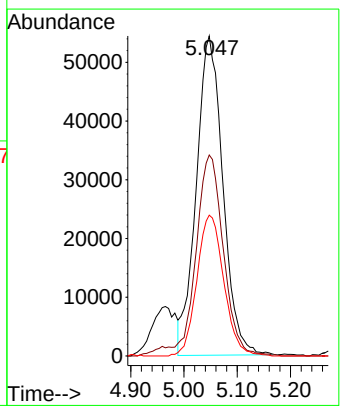


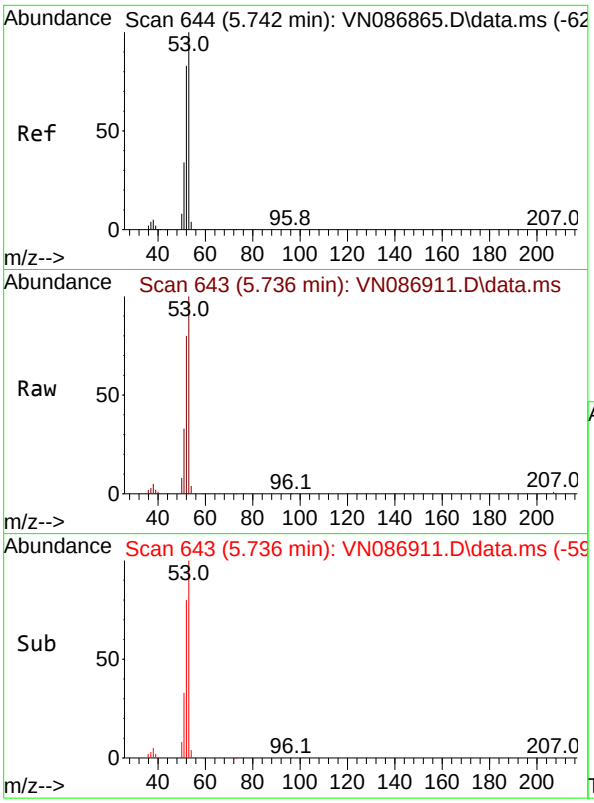


#14
Allyl chloride
Concen: 43.274 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 41 Resp: 189080

Ion	Ratio	Lower	Upper
41	100		
39	63.9	51.3	76.9
76	44.5	31.4	47.0



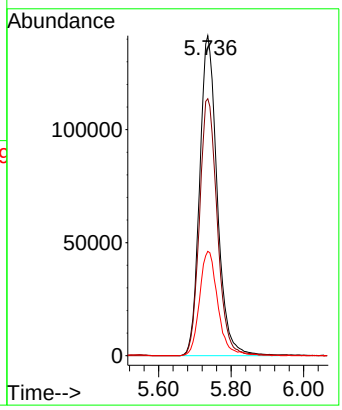


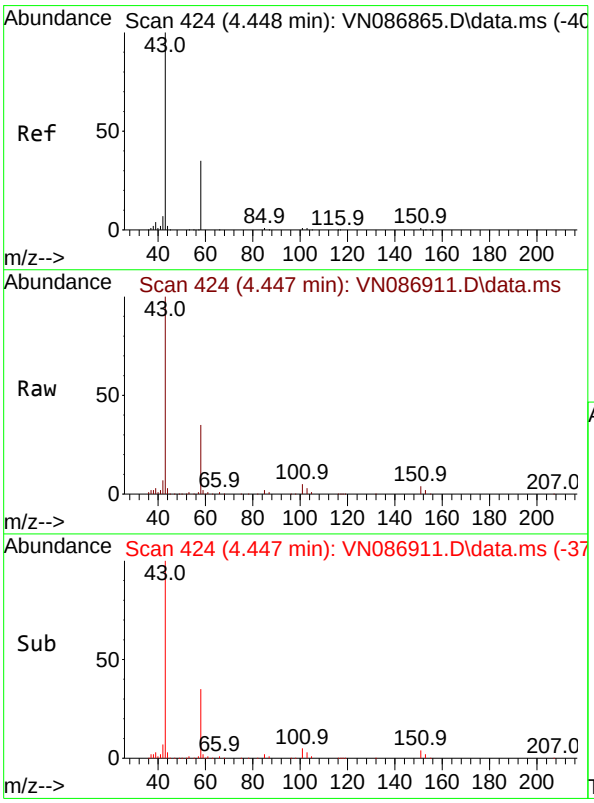
#15
Acrylonitrile
Concen: 236.533 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 475432

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8

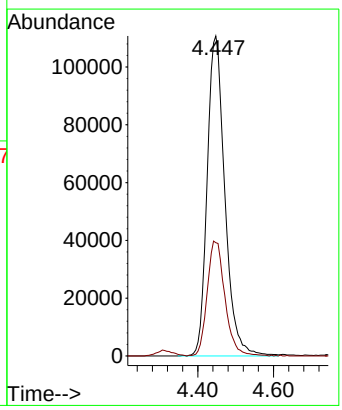


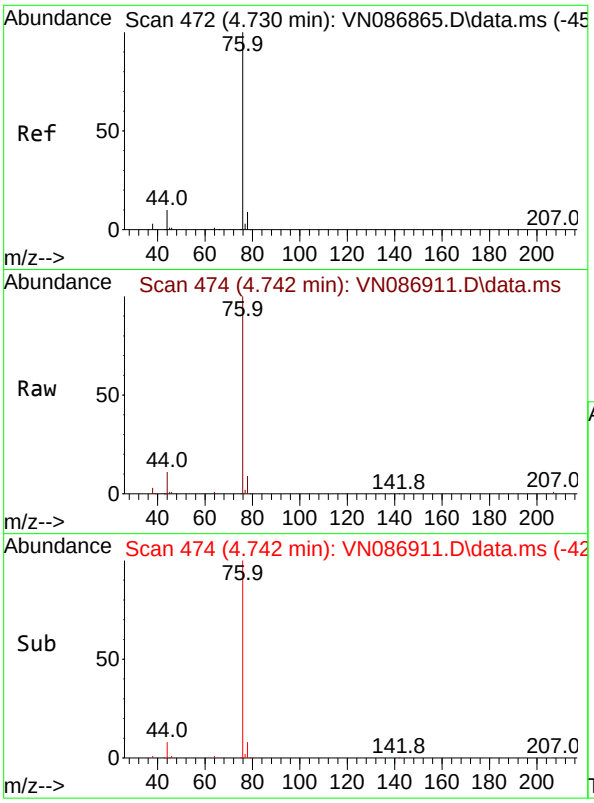


#16
Acetone
Concen: 212.908 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 357830

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0



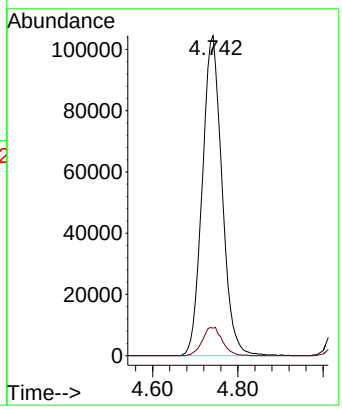


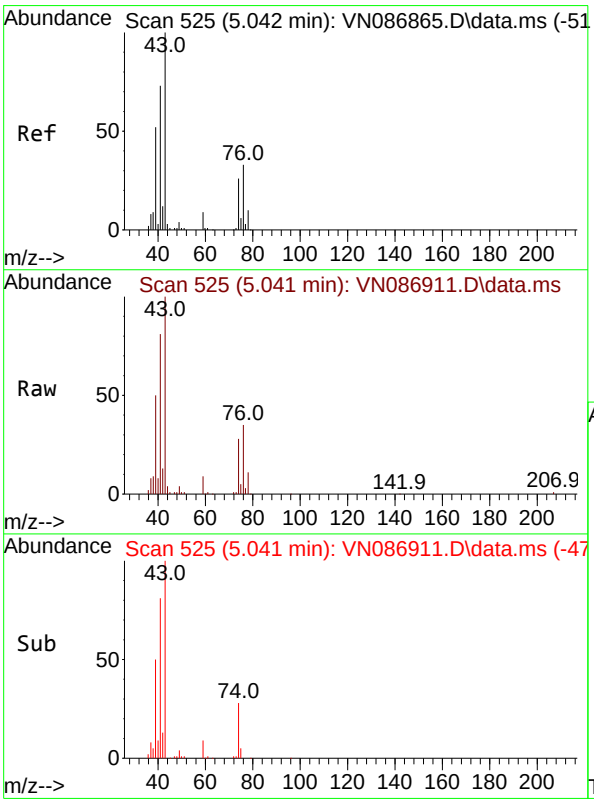
#17
Carbon Disulfide
Concen: 46.119 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 336096

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

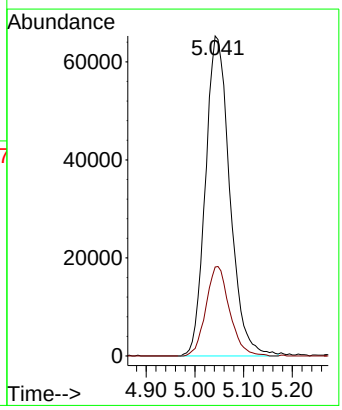


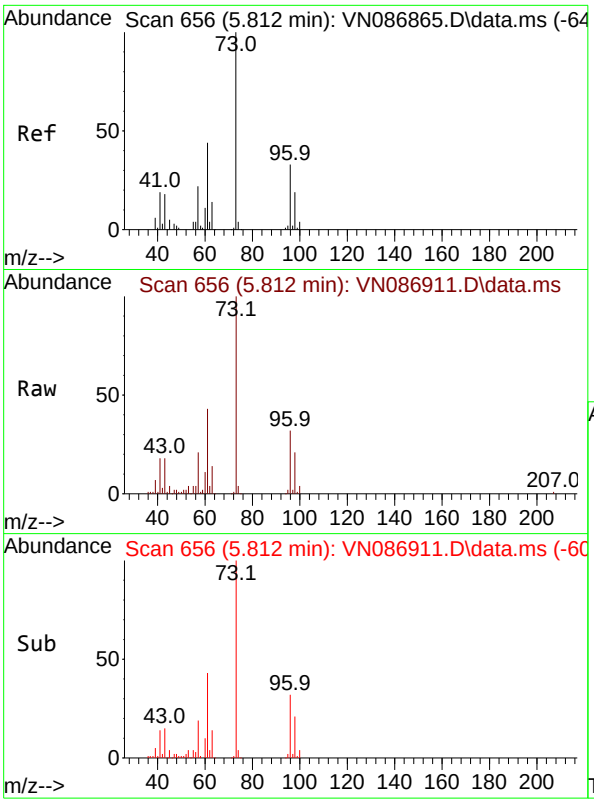


#18
Methyl Acetate
Concen: 46.298 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 226758

Ion	Ratio	Lower	Upper
43	100		
74	27.2	20.7	31.1



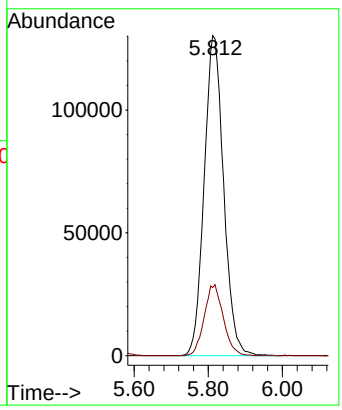


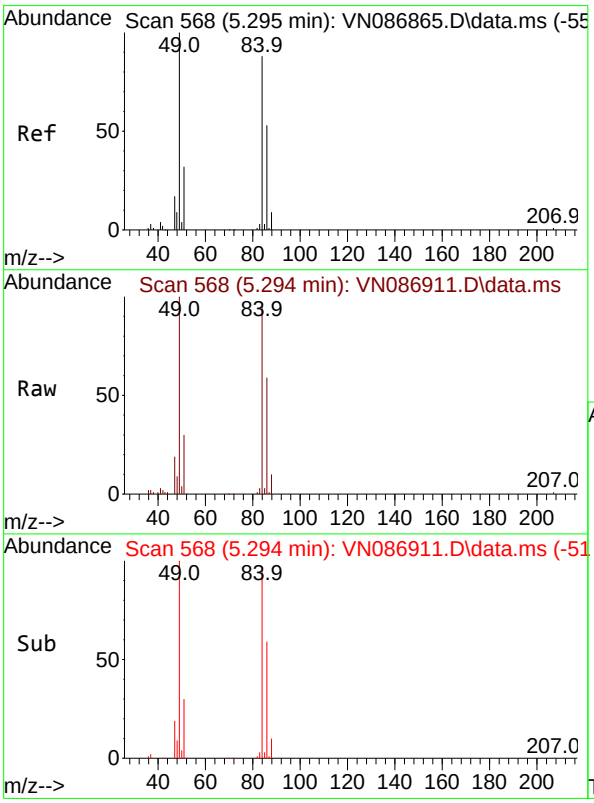
#19
Methyl tert-butyl Ether
Concen: 49.762 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 474699

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.2

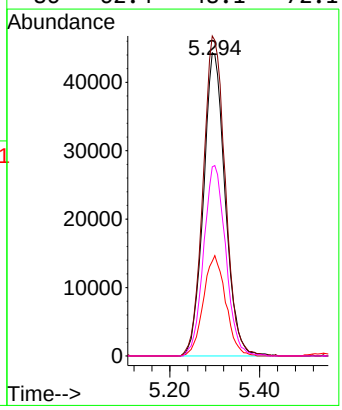


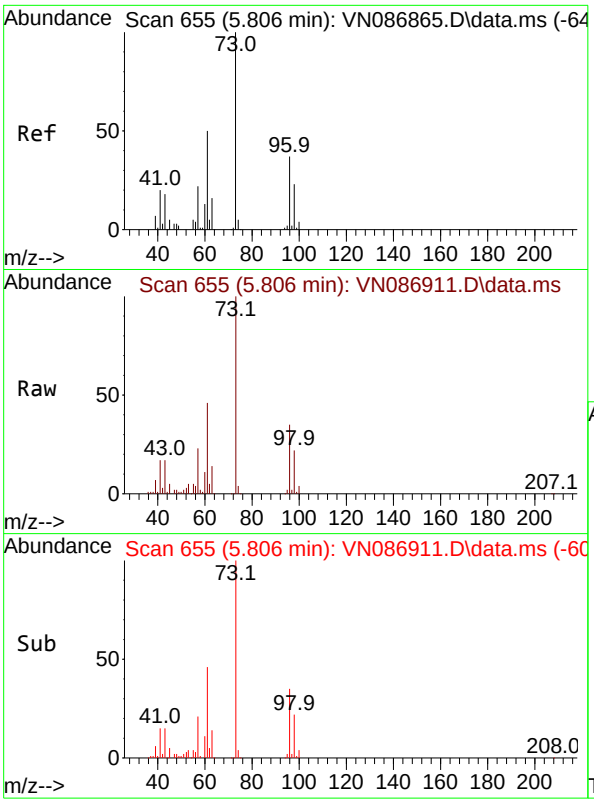


#20
Methylene Chloride
Concen: 47.218 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 84 Resp: 148574

Ion	Ratio	Lower	Upper
84	100		
49	105.5	90.5	135.7
51	31.3	28.5	42.7
86	62.4	48.1	72.1



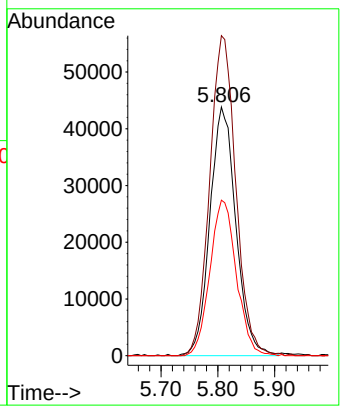


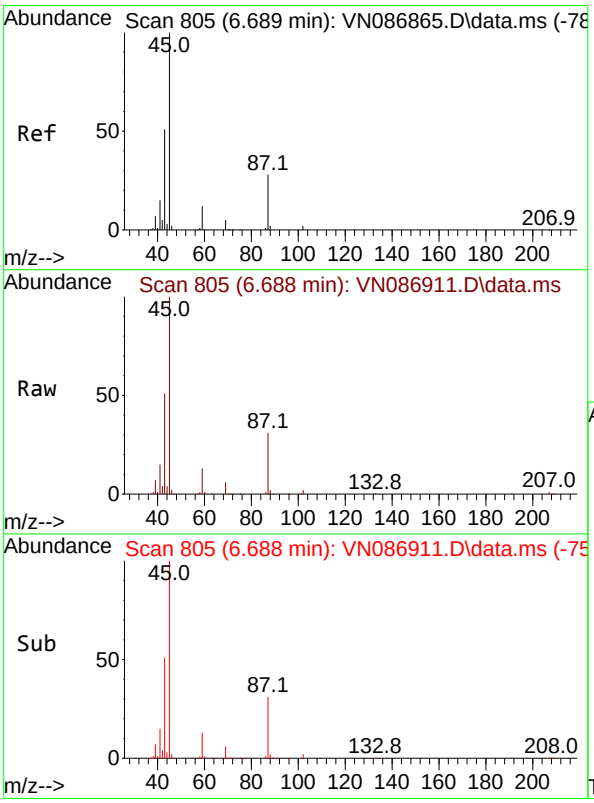
#21
trans-1,2-Dichloroethene
Concen: 47.524 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 139305

Ion	Ratio	Lower	Upper
96	100		
61	128.7	109.2	163.8
98	62.5	49.8	74.8

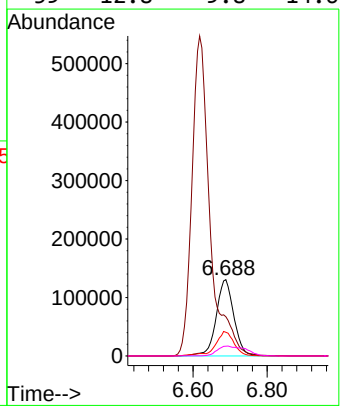


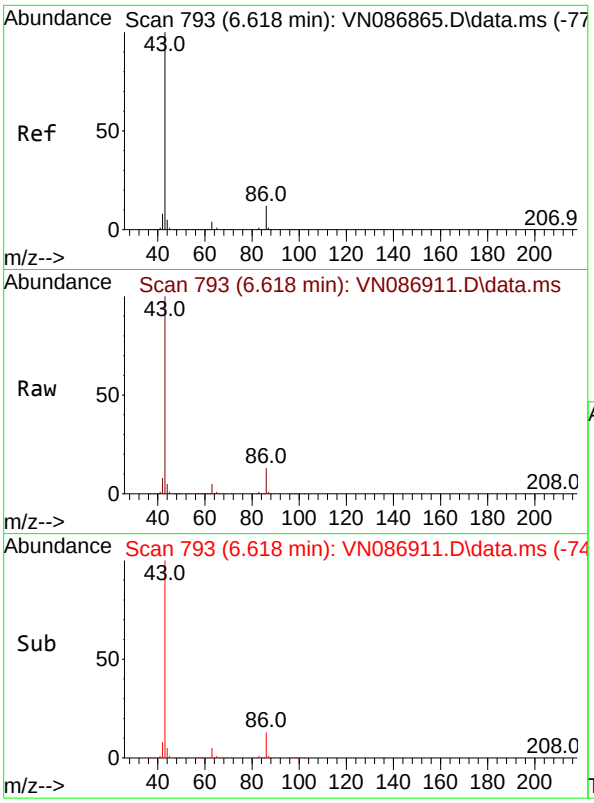


#22
Diisopropyl ether
Concen: 46.864 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 45 Resp: 431629

Ion	Ratio	Lower	Upper
45	100		
43	50.9	41.9	62.9
87	31.0	22.4	33.6
59	12.8	9.8	14.6



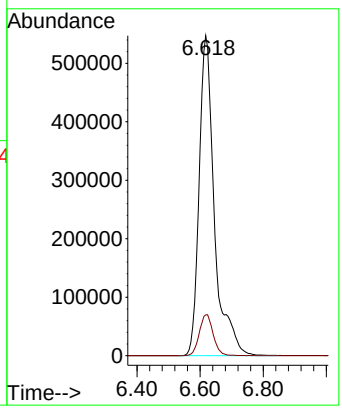


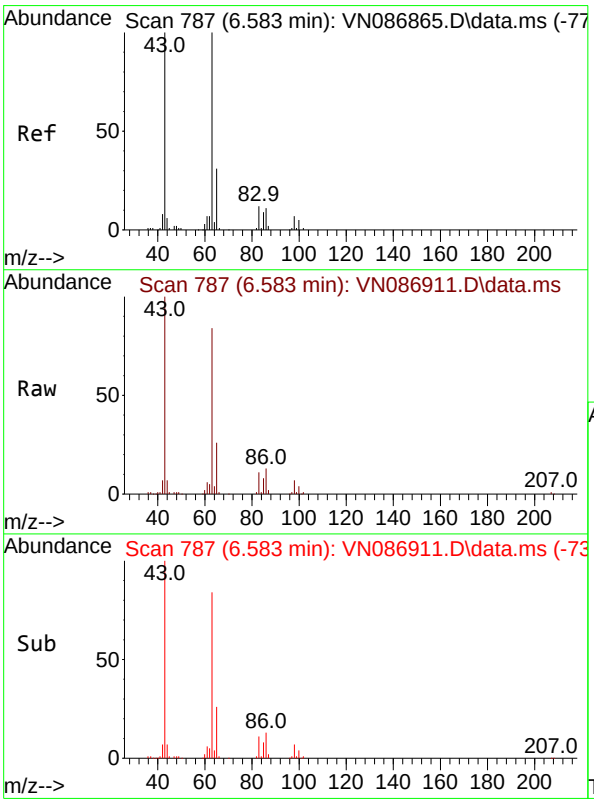
#23
Vinyl Acetate
Concen: 236.538 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1840663

Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.5	14.3

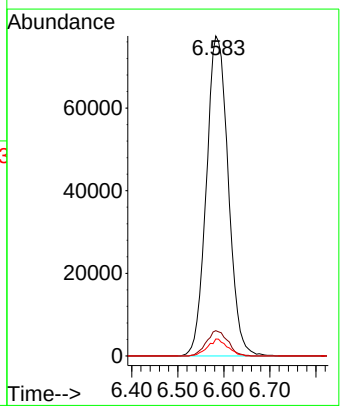


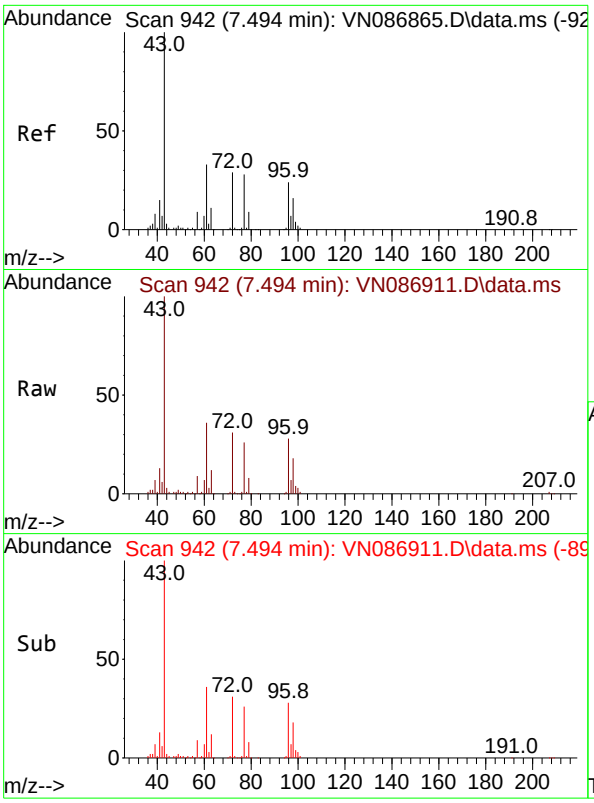


#24
1,1-Dichloroethane
Concen: 48.185 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 63 Resp: 255395

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.3	2.6	7.8



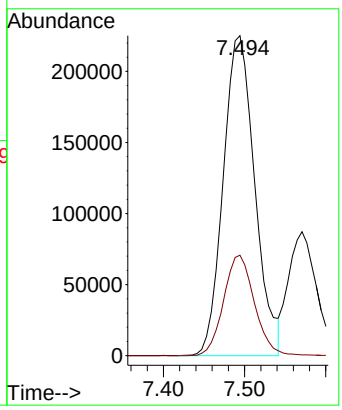


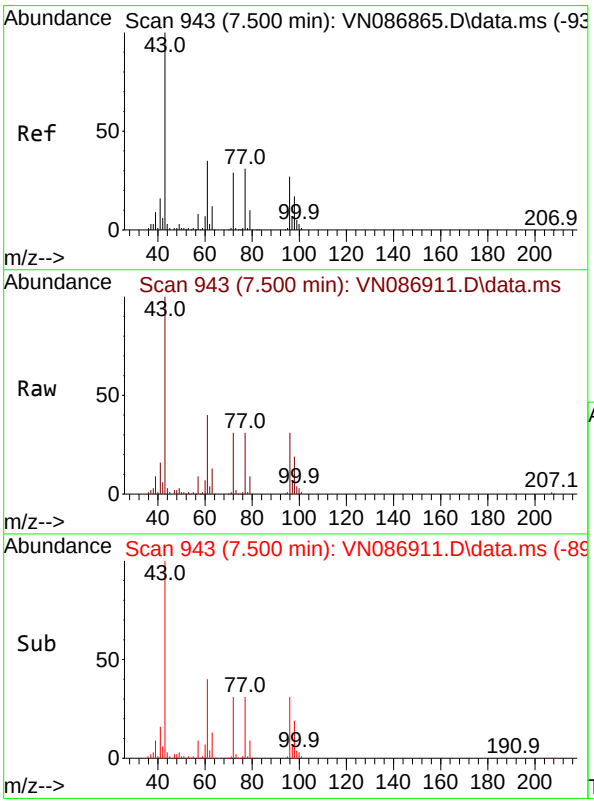
#25
2-Butanone
Concen: 223.226 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 609830

Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.0	34.6

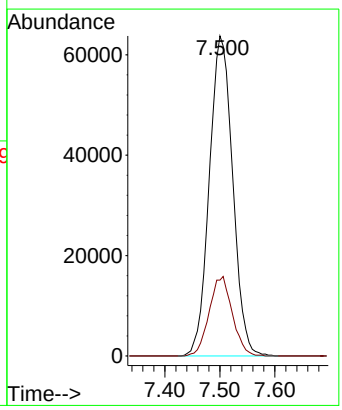


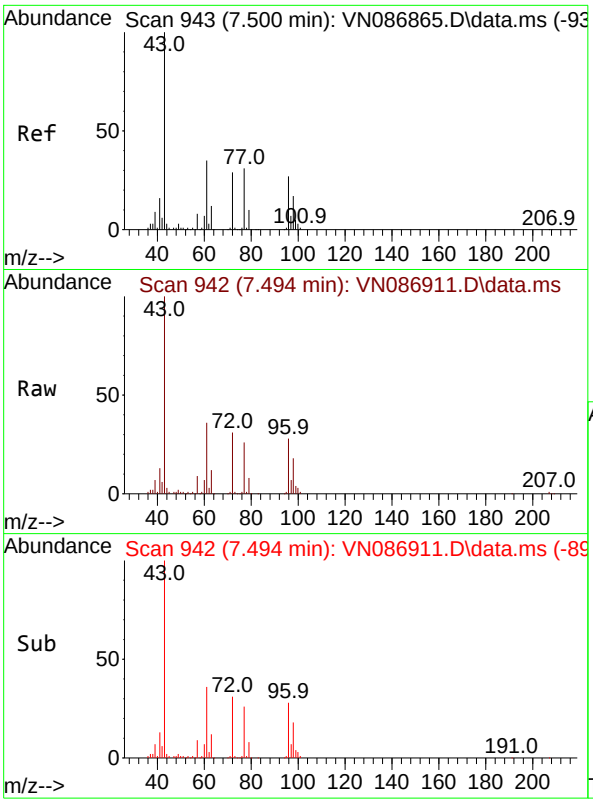


#26
2,2-Dichloropropane
Concen: 45.651 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 77 Resp: 188220

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.6	34.7



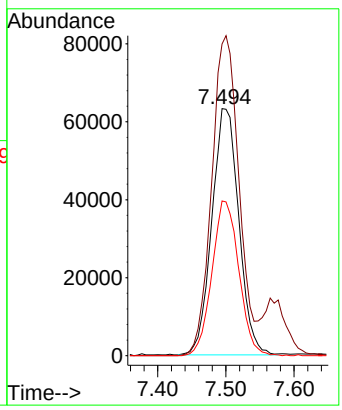


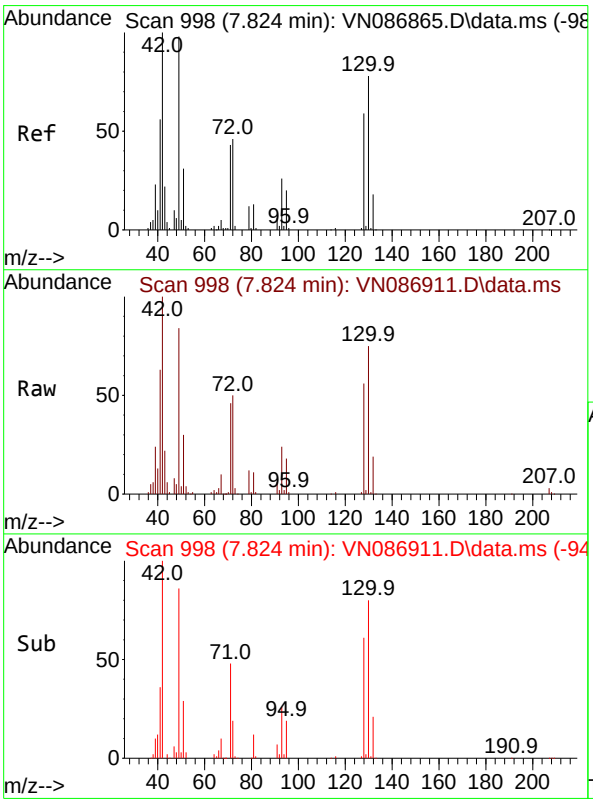
#27
cis-1,2-Dichloroethene
Concen: 49.555 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 173722

Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	278.0
98	62.9	0.0	128.2

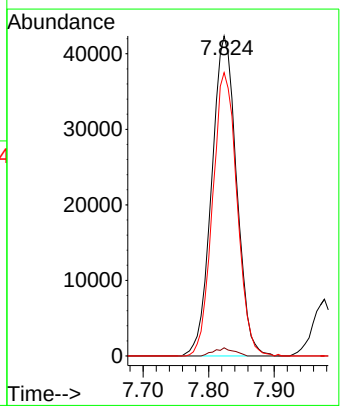


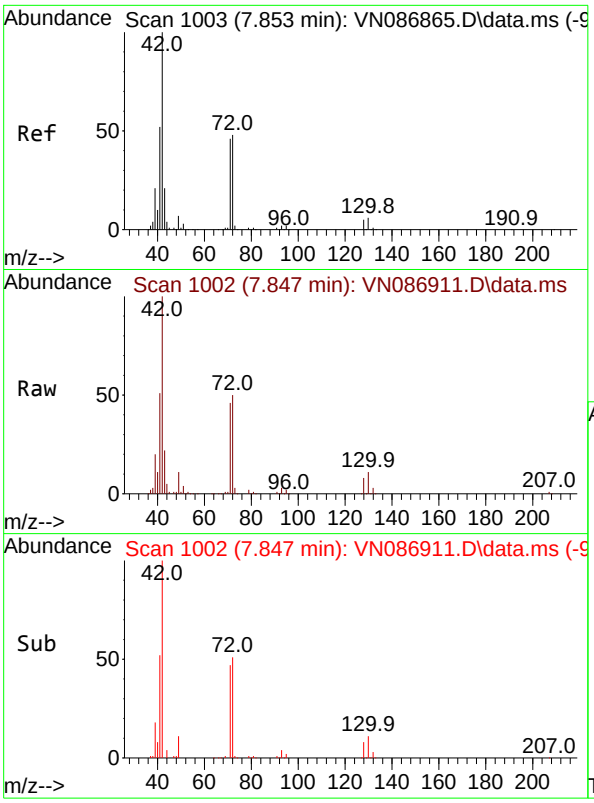


#28
Bromochloromethane
Concen: 42.885 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 49 Resp: 111761

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	86.7	62.2	93.2



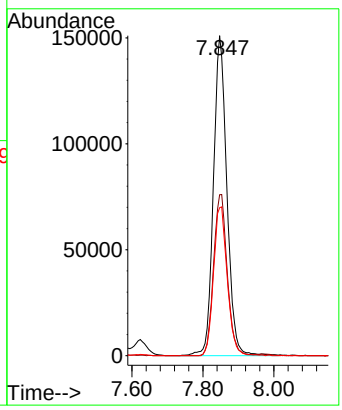


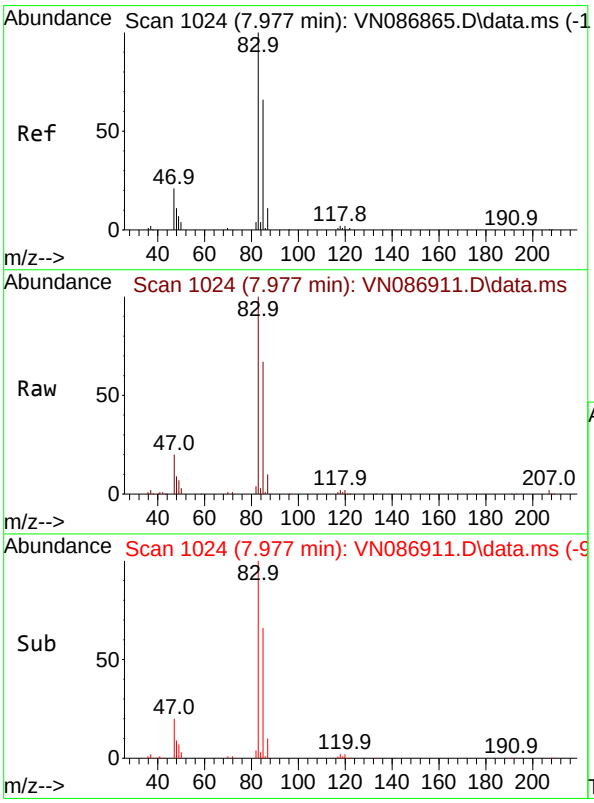
#29
Tetrahydrofuran
Concen: 223.263 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 397327

Ion	Ratio	Lower	Upper
42	100		
72	51.1	37.8	56.6
71	47.3	35.6	53.4

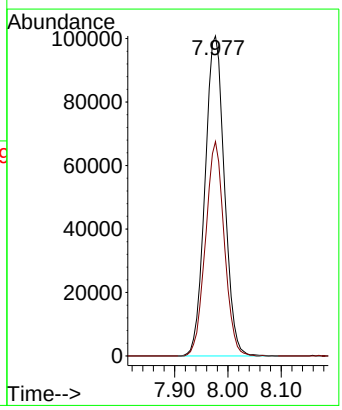


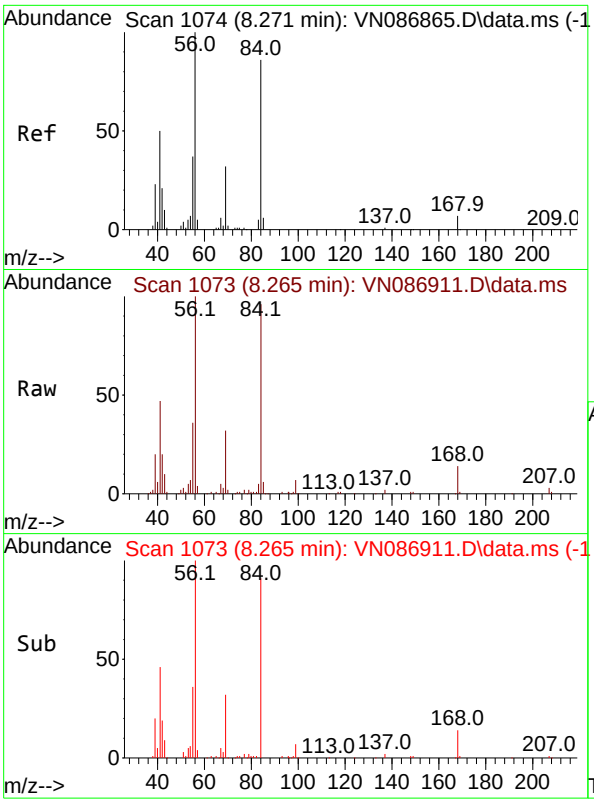


#30
Chloroform
Concen: 48.104 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 83 Resp: 254626

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.9	79.3



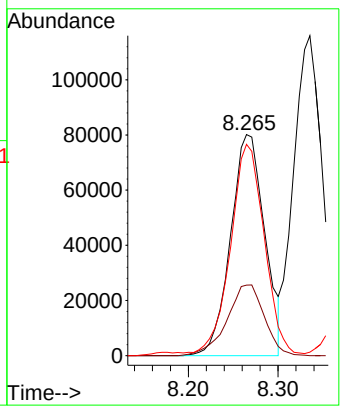


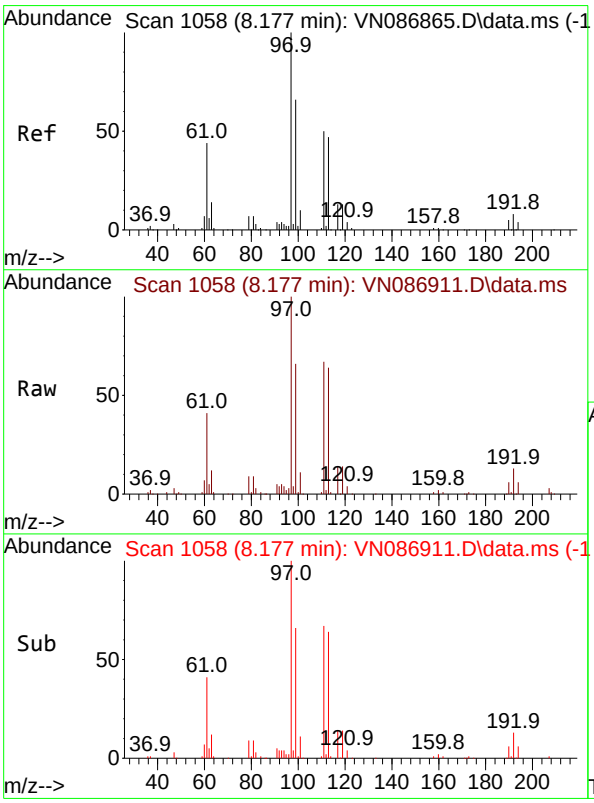
#31
Cyclohexane
Concen: 41.219 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 211876

Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.0
84	94.1	68.8	103.2

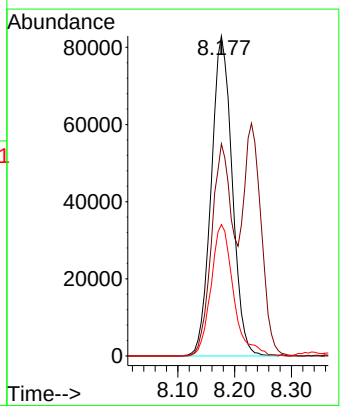


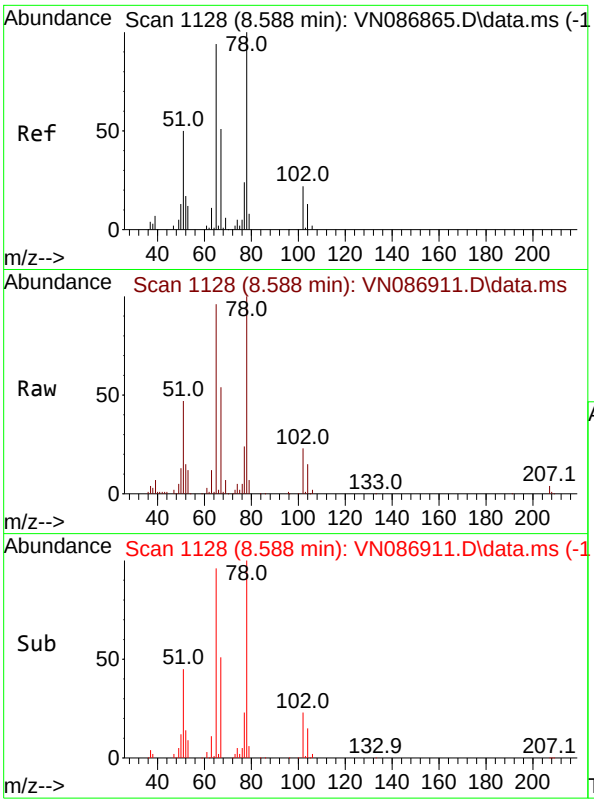


#32
1,1,1-Trichloroethane
Concen: 47.273 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 97 Resp: 212823

Ion	Ratio	Lower	Upper
97	100		
99	67.1	52.0	78.0
61	44.0	35.9	53.9



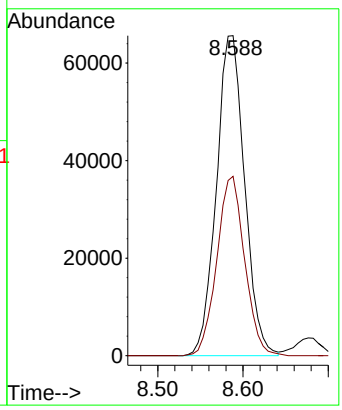


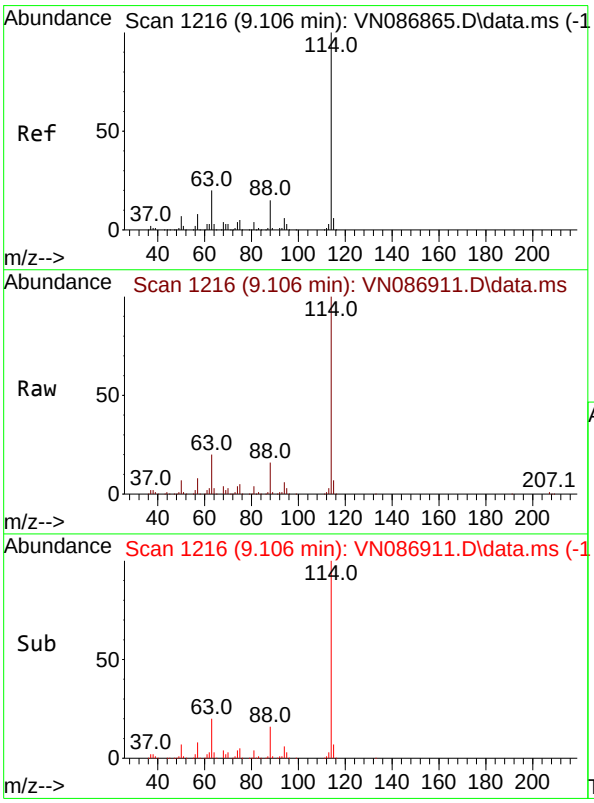
#33
1,2-Dichloroethane-d4
Concen: 47.675 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 151095

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	105.6

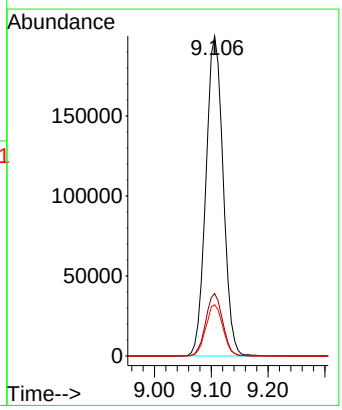


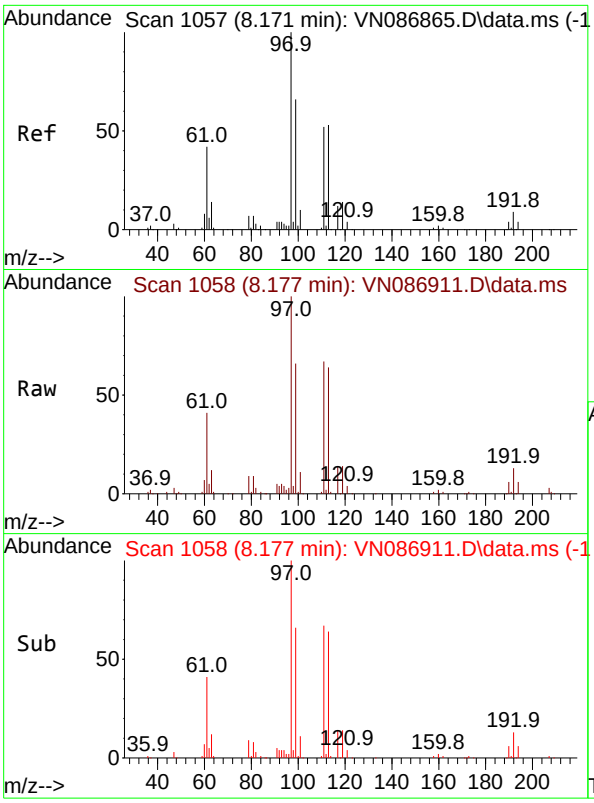


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:114 Resp: 420058

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	16.0	0.0	30.2



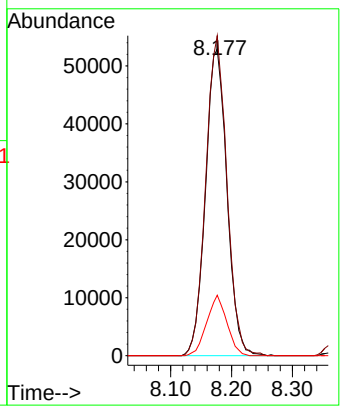


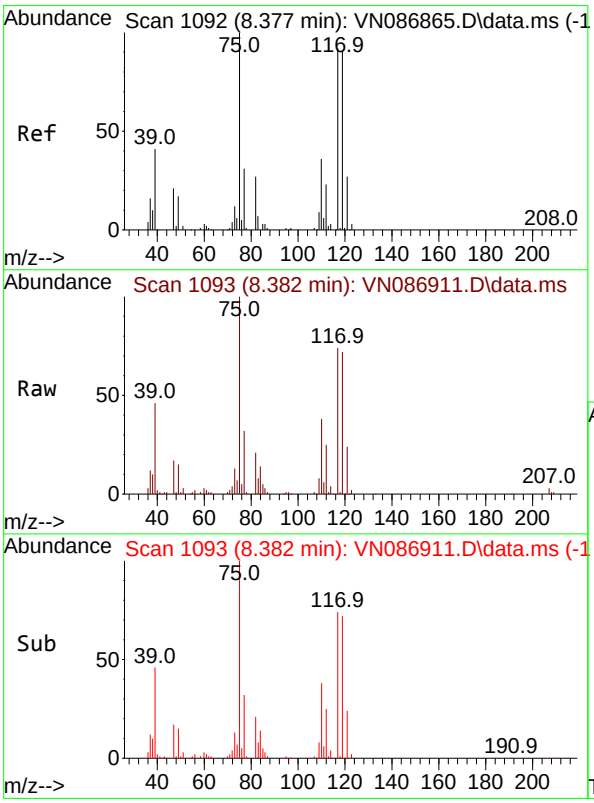
#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 129680

Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.2	126.2
192	18.5	14.2	21.4

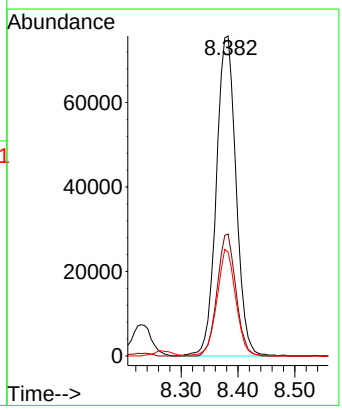


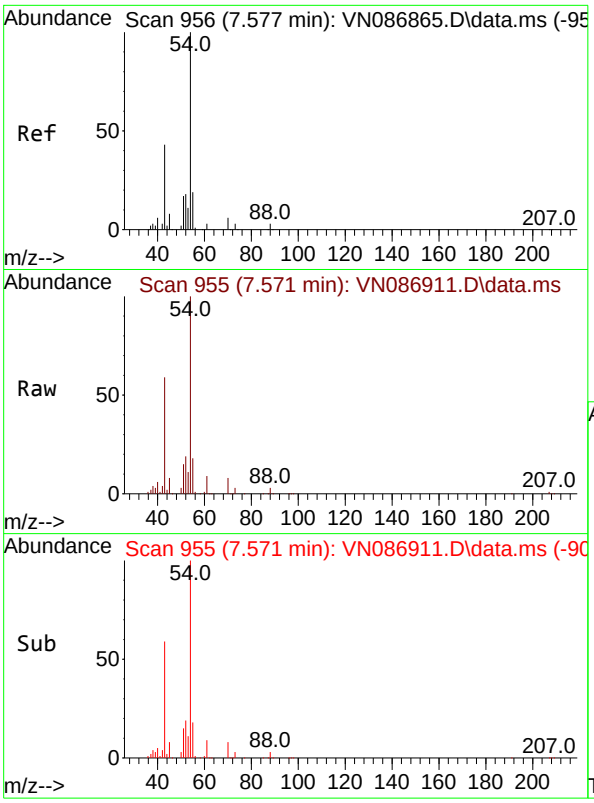


#36
1,1-Dichloropropene
Concen: 49.276 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 182786

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	31.9	25.3	37.9



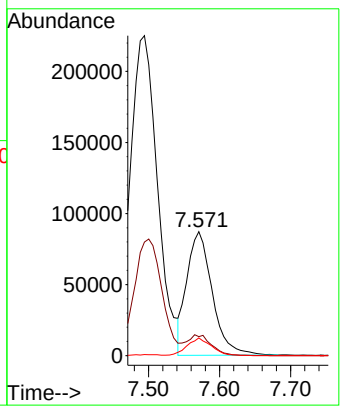


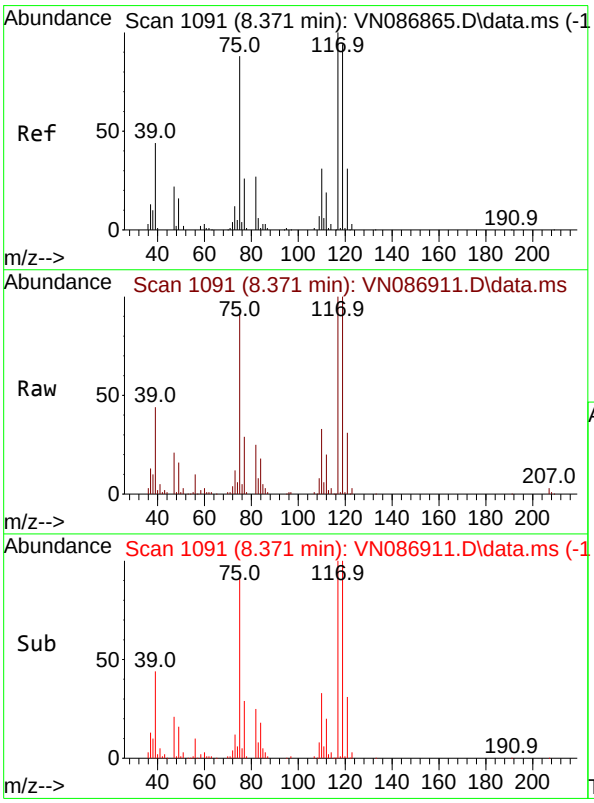
#37
Ethyl Acetate
Concen: 45.818 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 216357

Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.1	18.1
70	13.8	9.8	14.6

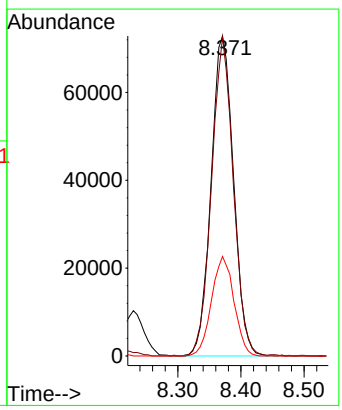


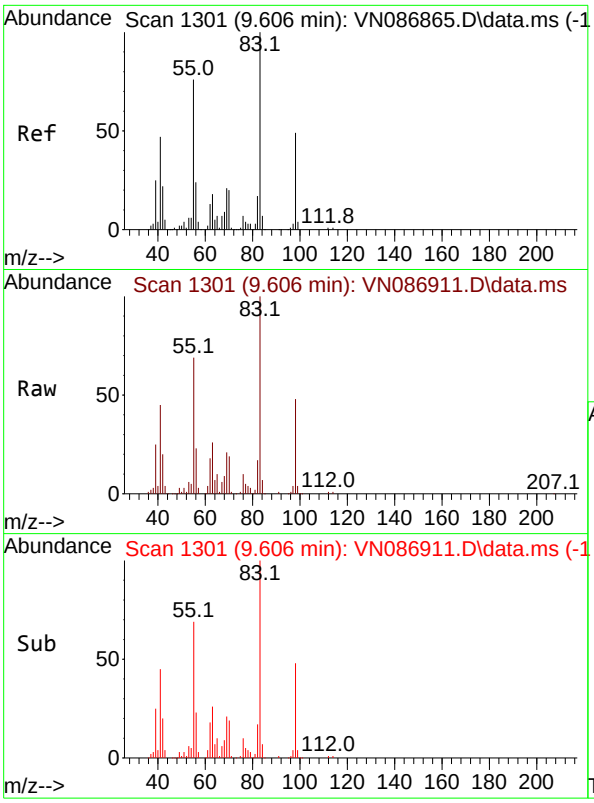


#38
Carbon Tetrachloride
Concen: 49.468 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:117 Resp: 180152

Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.0	112.6
121	31.1	24.9	37.3



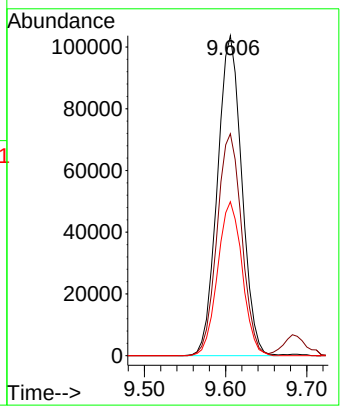


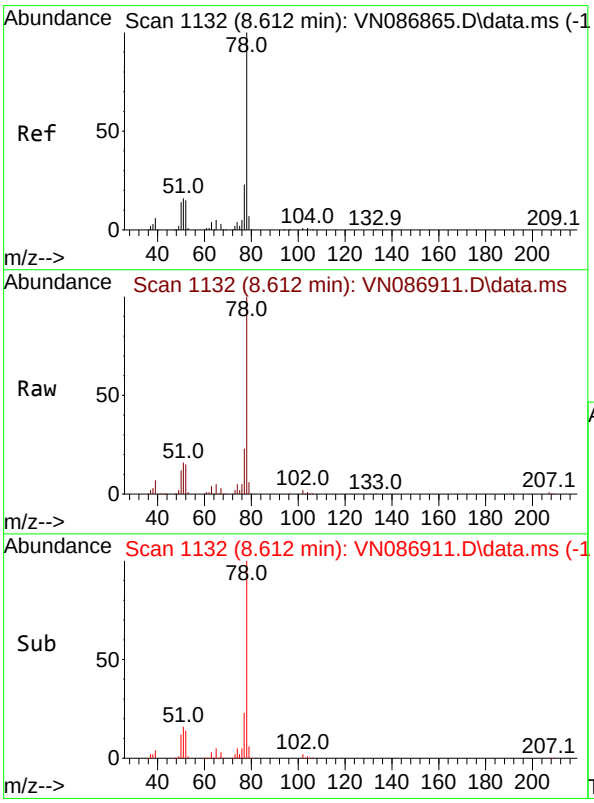
#39
Methylcyclohexane
Concen: 42.563 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 216305

Ion	Ratio	Lower	Upper
83	100		
55	69.3	61.0	91.6
98	48.1	38.9	58.3

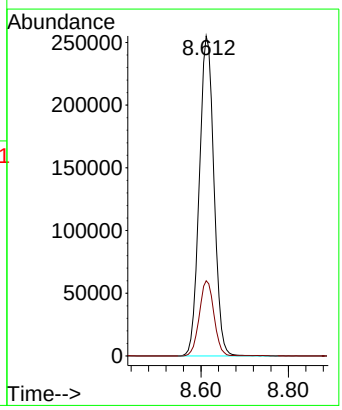


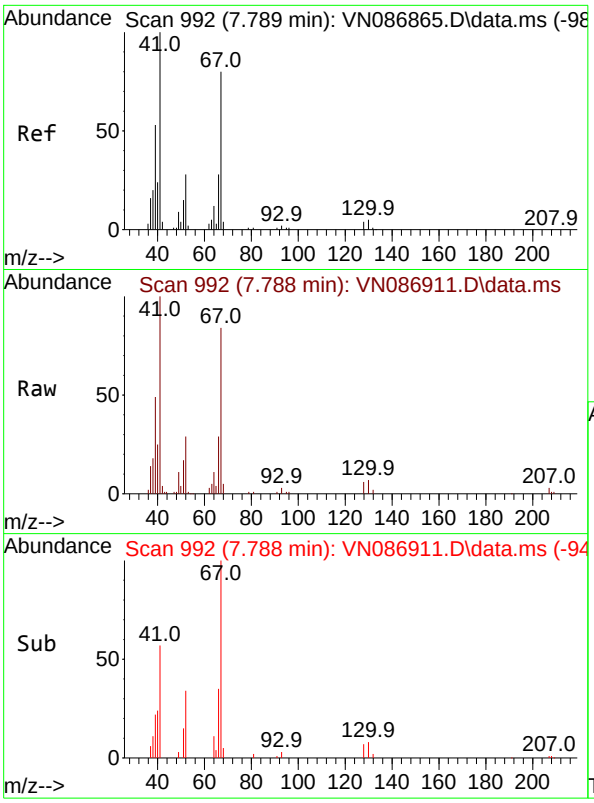


#40
Benzene
Concen: 48.968 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 78 Resp: 593973

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1



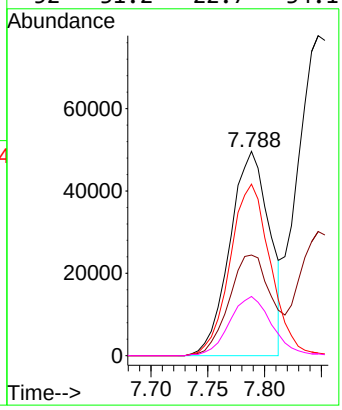


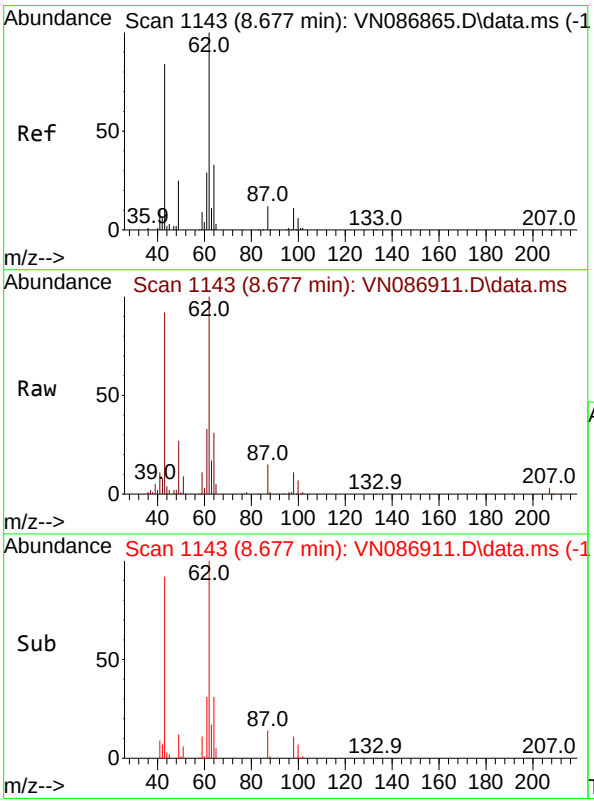
#41
Methacrylonitrile
Concen: 45.470 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 120583

Ion	Ratio	Lower	Upper
41	100		
39	53.6	41.2	61.8
67	86.0	61.4	92.2
52	31.2	22.7	34.1

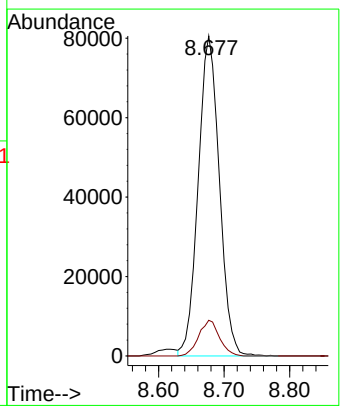


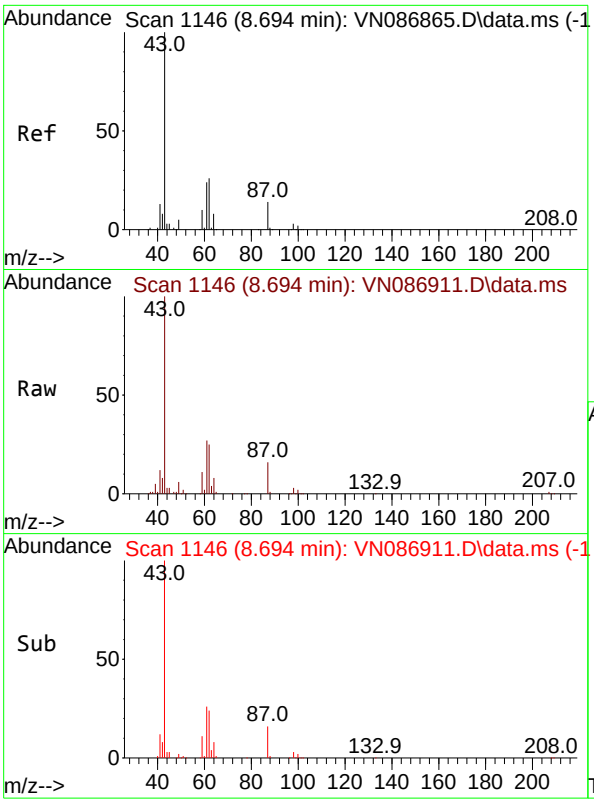


#42
1,2-Dichloroethane
Concen: 49.191 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 62 Resp: 180979

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2



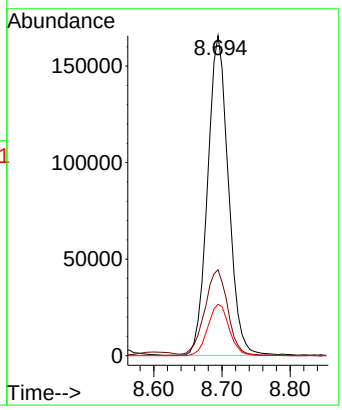


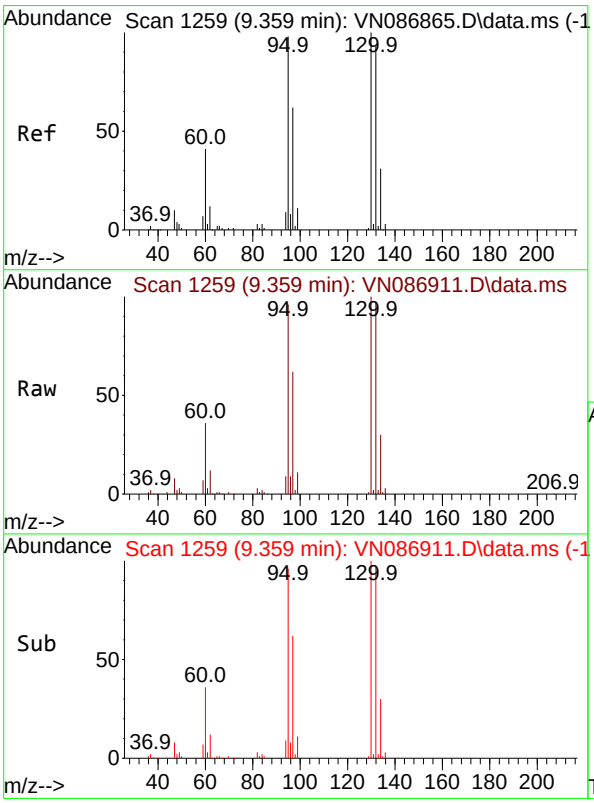
#43
Isopropyl Acetate
Concen: 46.408 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 351721

Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.1	33.1
87	16.5	11.8	17.6

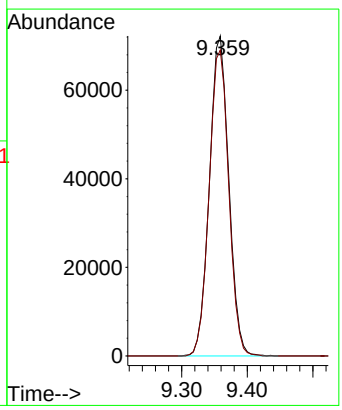


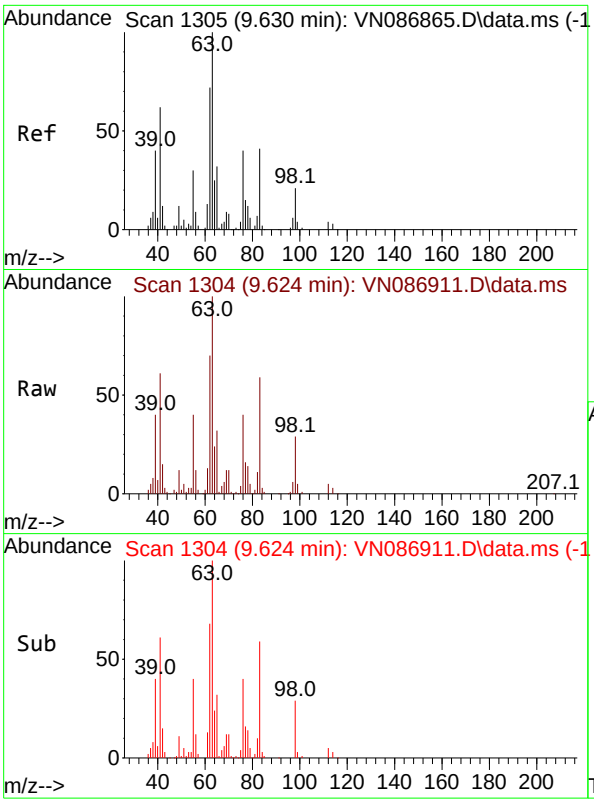


#44
Trichloroethene
Concen: 51.528 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:130 Resp: 148206

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	196.2



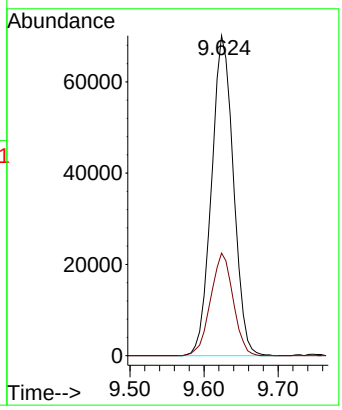


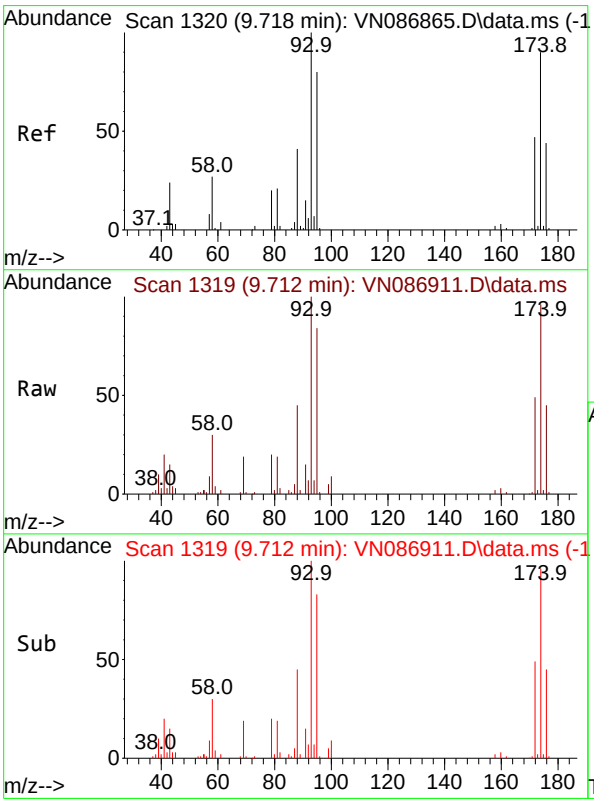
#45
1,2-Dichloropropane
Concen: 48.774 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 143932

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3

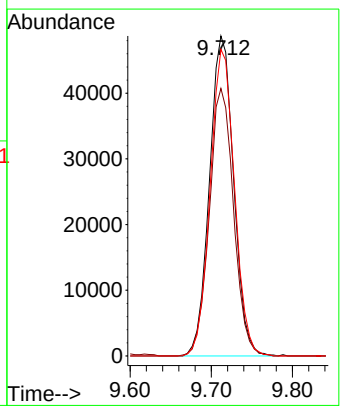


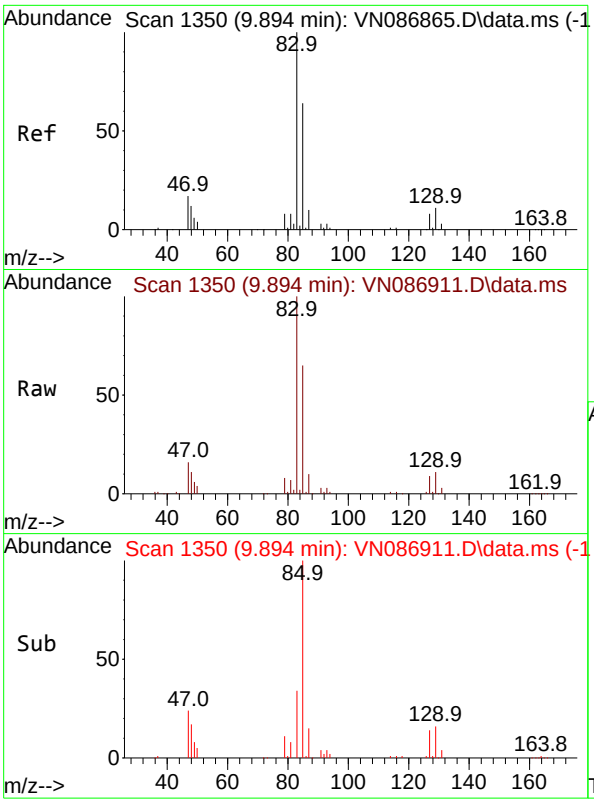


#46
Dibromomethane
Concen: 51.401 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 93 Resp: 100752

Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.1	100.7
174	96.3	74.2	111.4



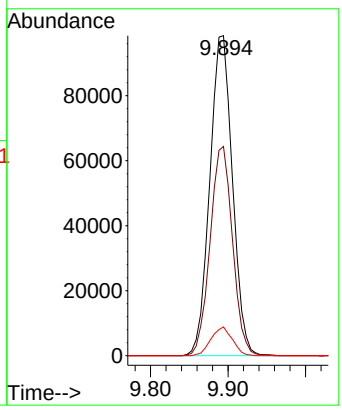


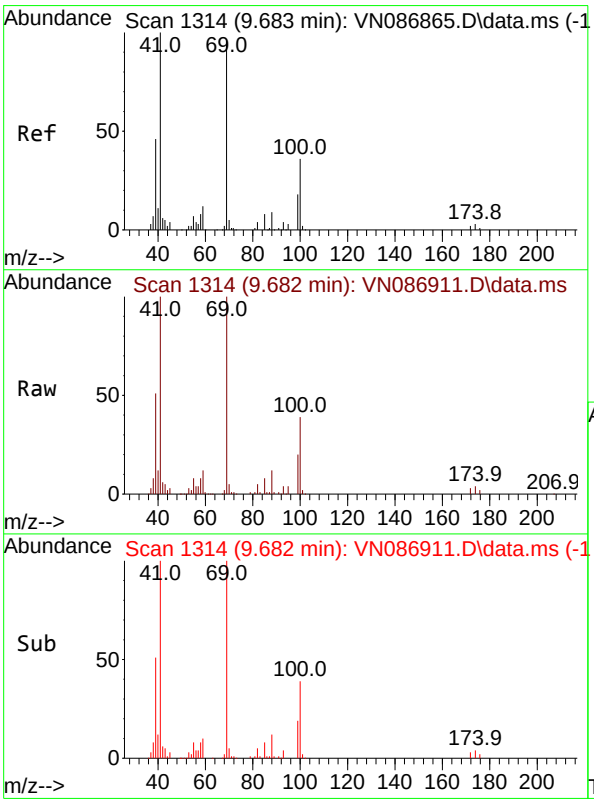
#47
Bromodichloromethane
Concen: 49.584 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 199966

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	9.0	6.6	10.0

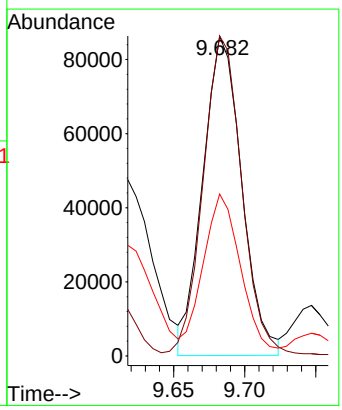


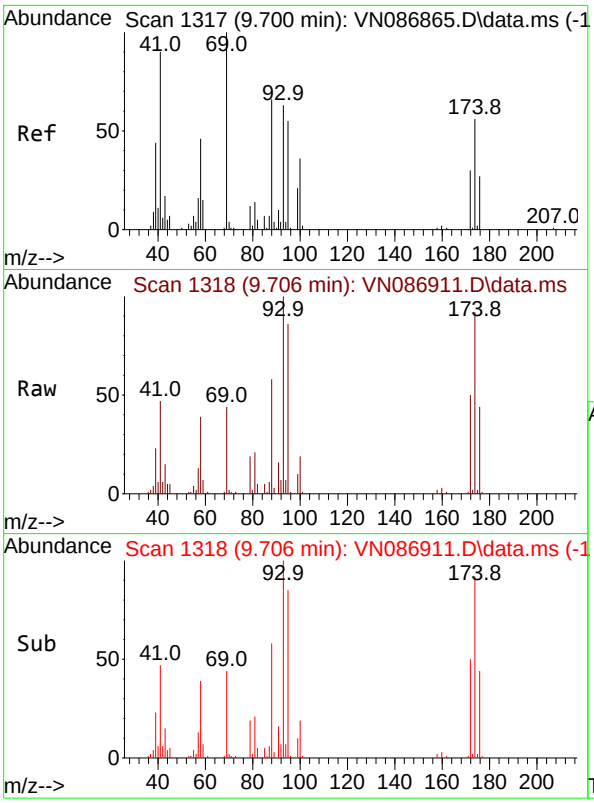


#48
Methyl methacrylate
Concen: 46.955 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 41 Resp: 163795

Ion	Ratio	Lower	Upper
41	100		
69	100.2	74.6	112.0
39	50.0	40.2	60.4



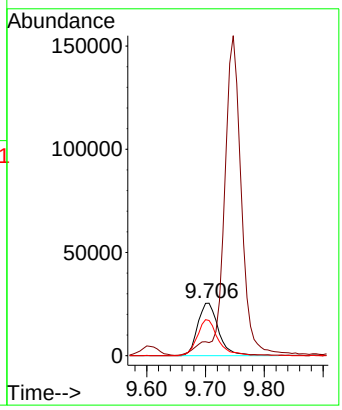


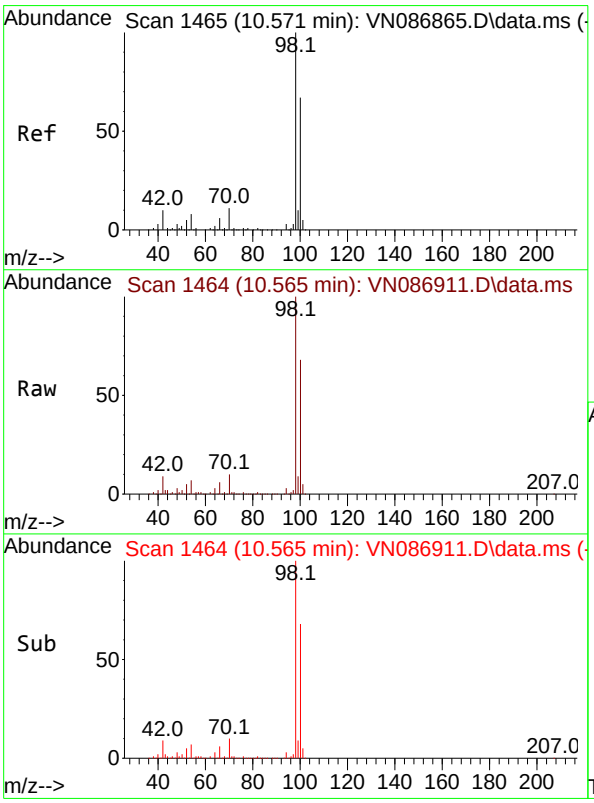
#49
1,4-Dioxane
Concen: 987.483 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 62666

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.0	57.7	86.5

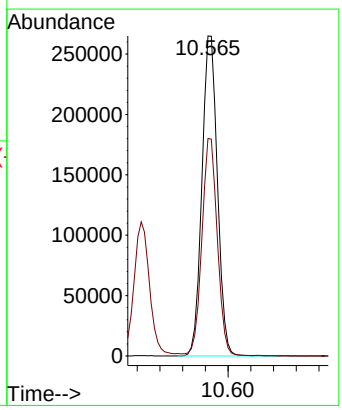


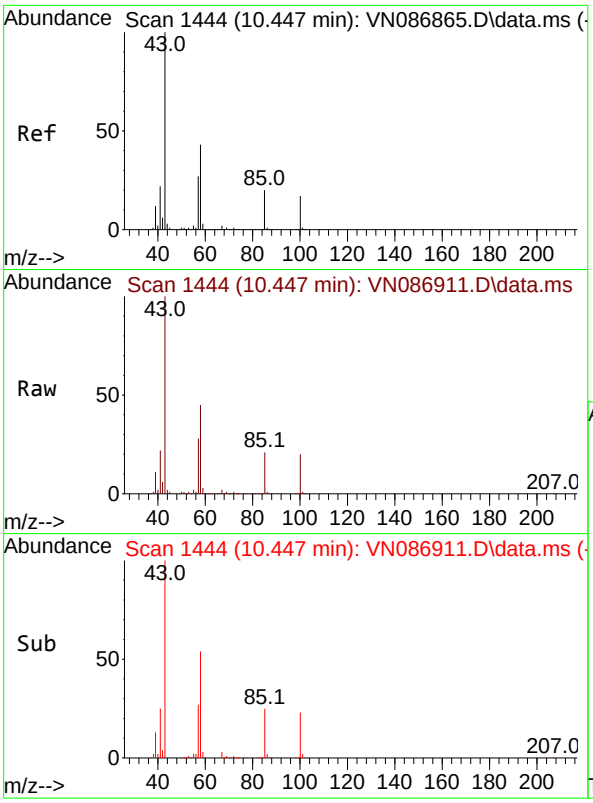


#50
Toluene-d8
Concen: 50.734 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 98 Resp: 499965

Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.0



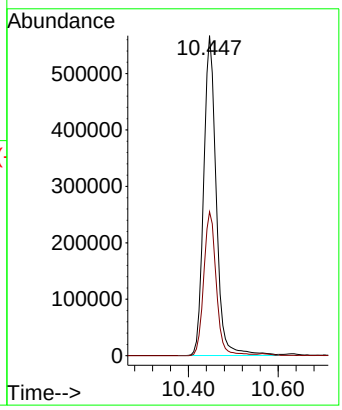


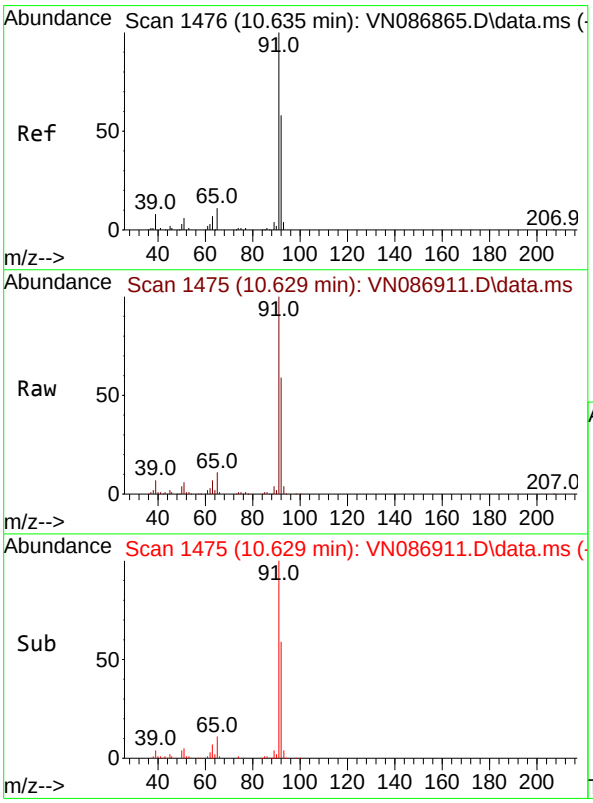
#51
4-Methyl-2-Pentanone
Concen: 241.688 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1102726

Ion	Ratio	Lower	Upper
43	100		
58	44.7	34.2	51.4

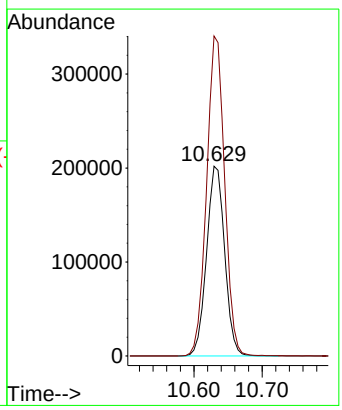


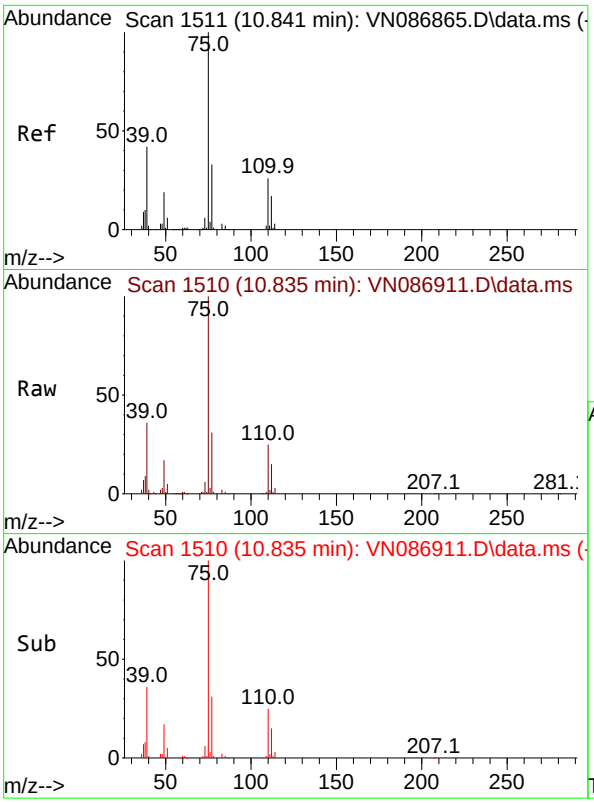


#52
Toluene
Concen: 50.283 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 92 Resp: 372743

Ion	Ratio	Lower	Upper
92	100		
91	168.1	136.5	204.7



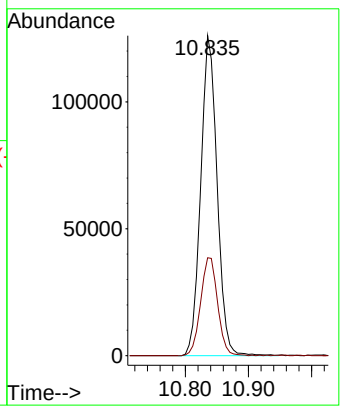


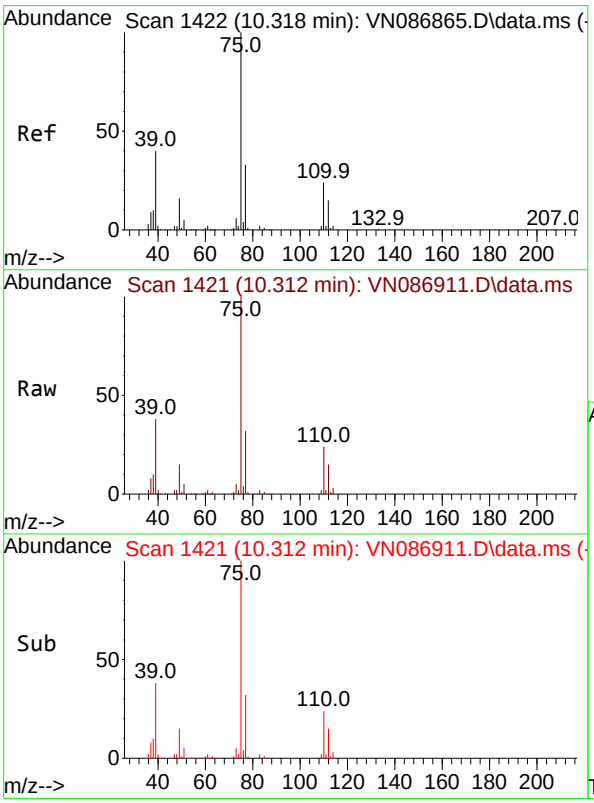
#53
t-1,3-Dichloropropene
Concen: 50.452 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 227518

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.4	39.6

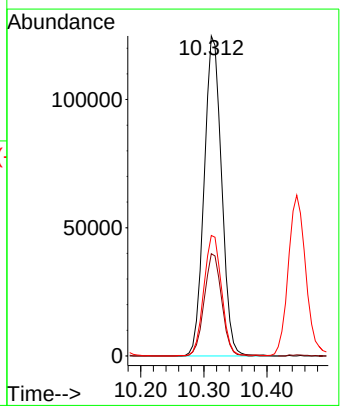


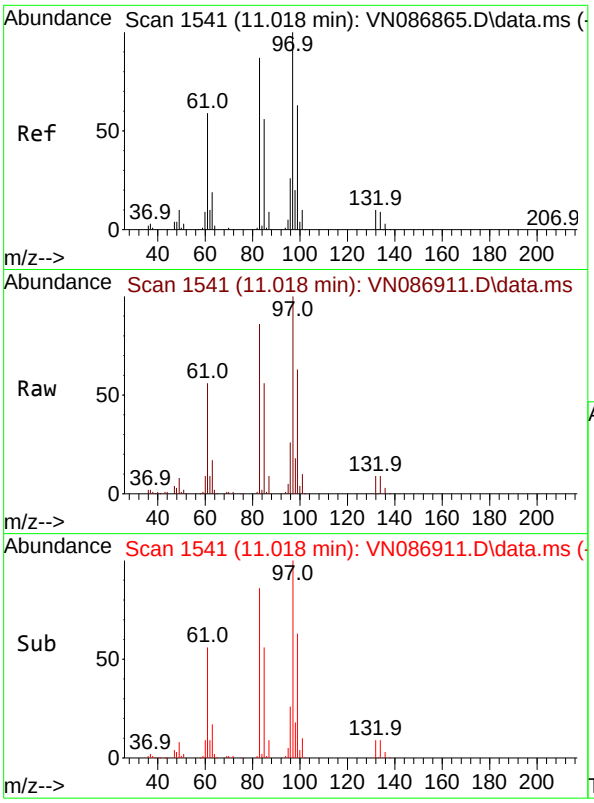


#54
cis-1,3-Dichloropropene
Concen: 49.698 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 239800

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.4
39	37.5	32.3	48.5



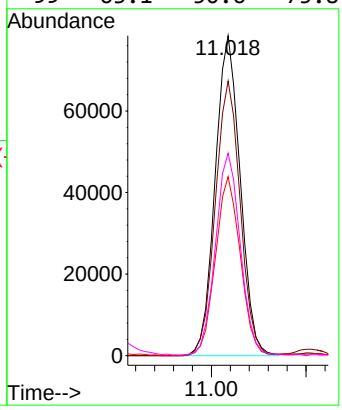


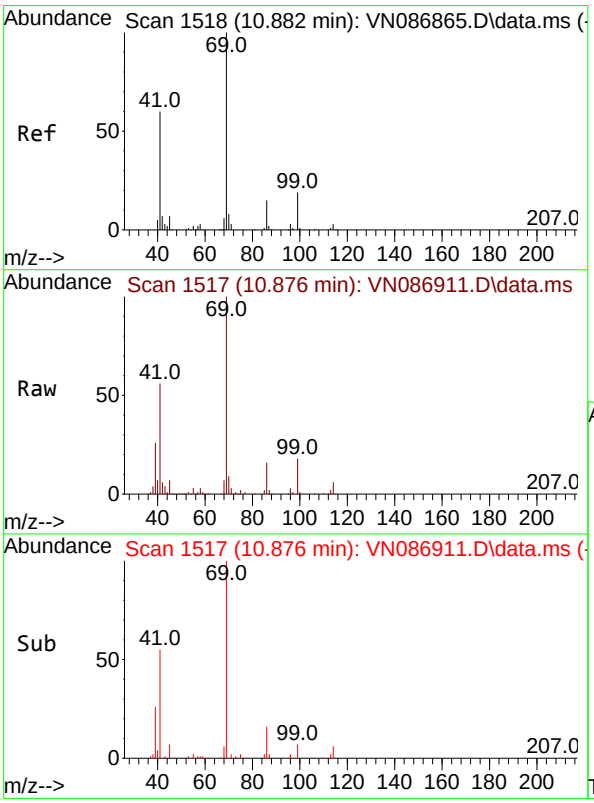
#55
1,1,2-Trichloroethane
Concen: 50.511 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 144074

Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.7	104.5
85	56.0	45.1	67.7
99	63.1	50.6	75.8

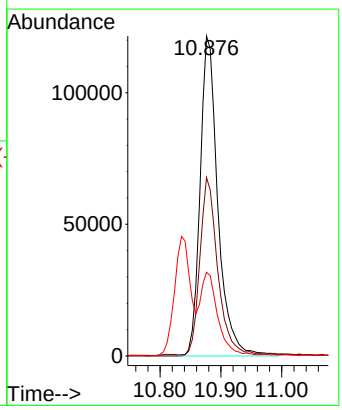


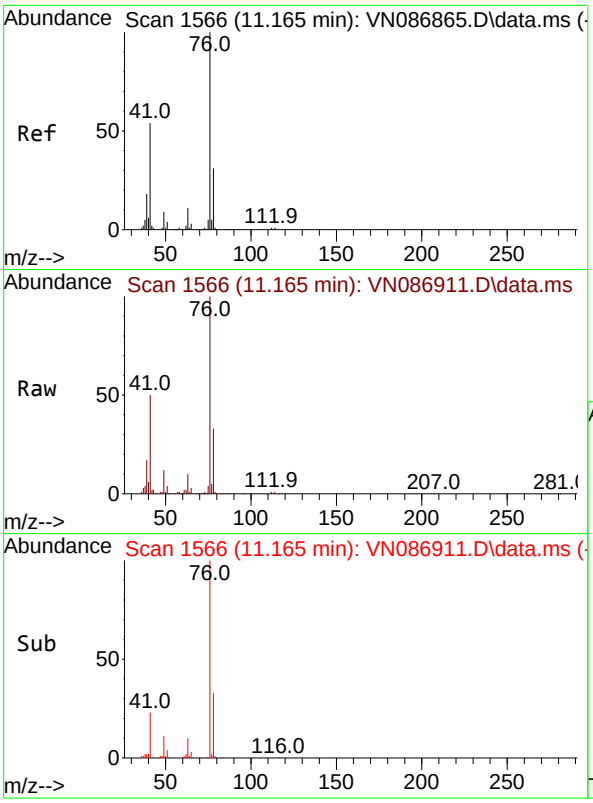


#56
Ethyl methacrylate
Concen: 54.356 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 69 Resp: 246945

Ion	Ratio	Lower	Upper
69	100		
41	55.1	47.2	70.8
39	25.3	23.0	34.6



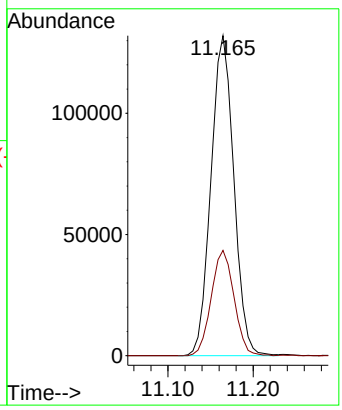


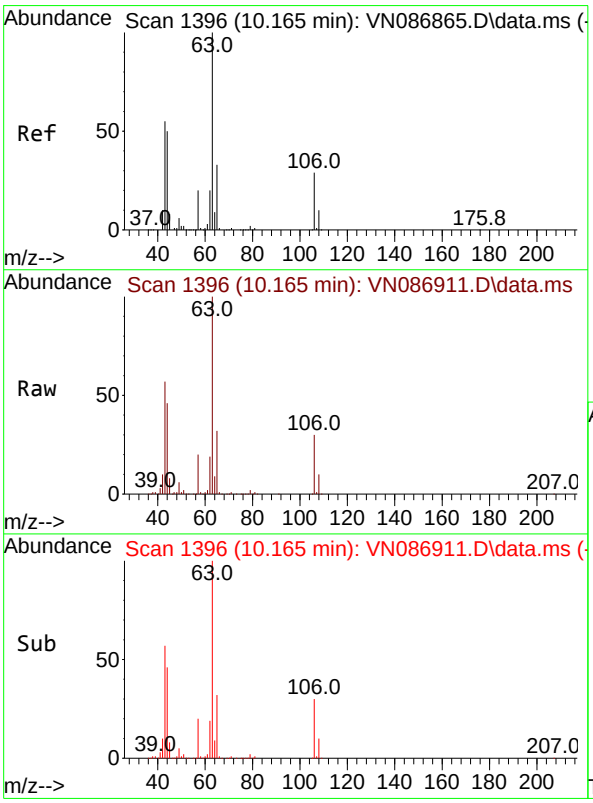
#57
1,3-Dichloropropane
Concen: 49.842 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 246620

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.3	37.9

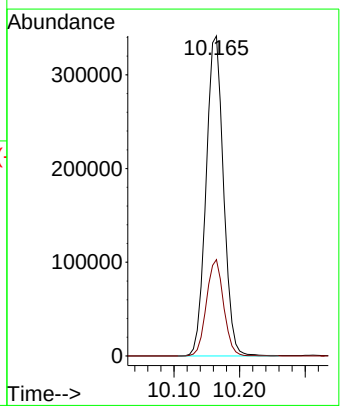


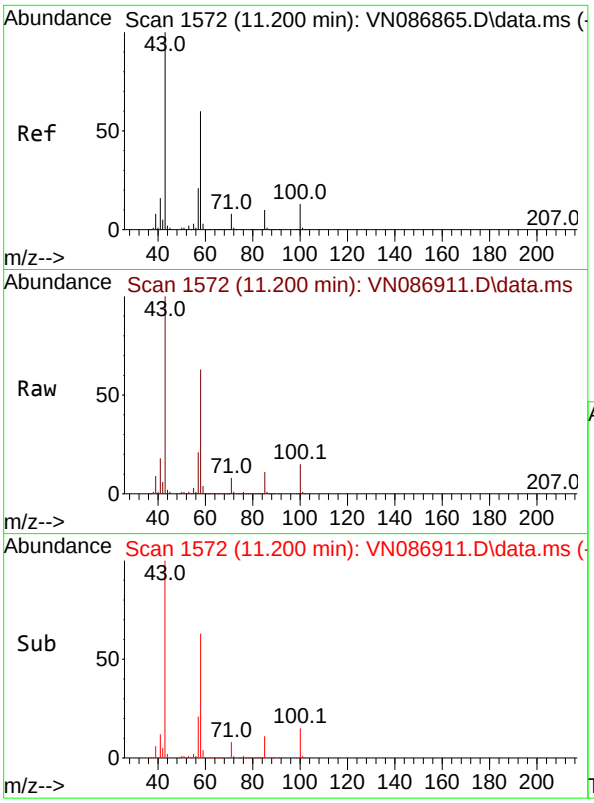


#58
2-Chloroethyl Vinyl ether
Concen: 232.785 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 63 Resp: 630783

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6



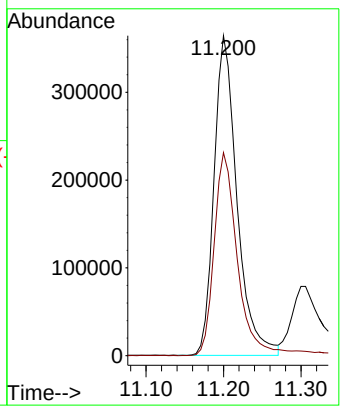


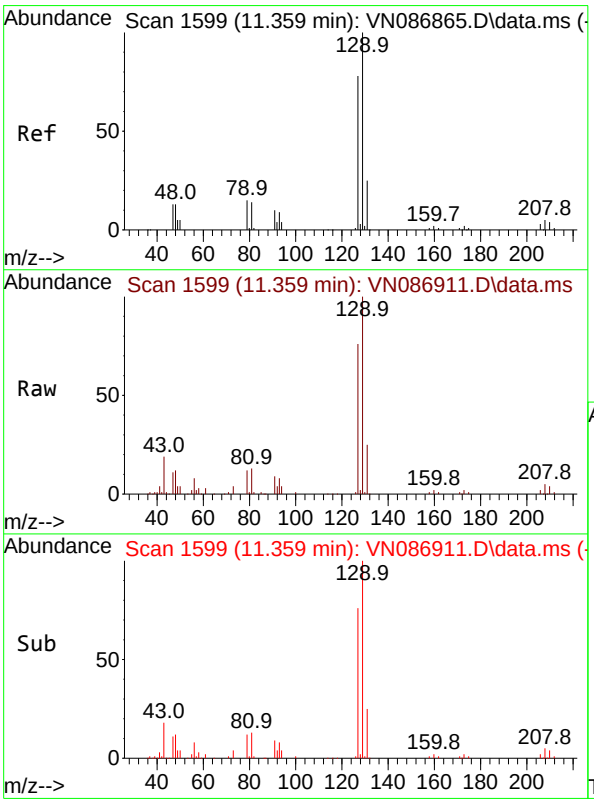
#59
2-Hexanone
Concen: 254.927 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 749210

Ion	Ratio	Lower	Upper
43	100		
58	66.8	30.4	91.3

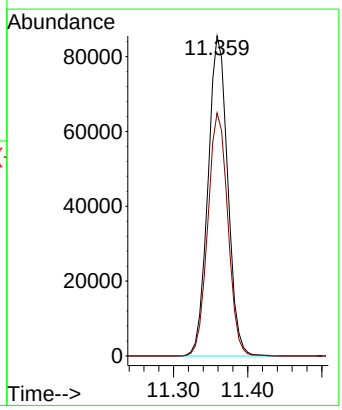


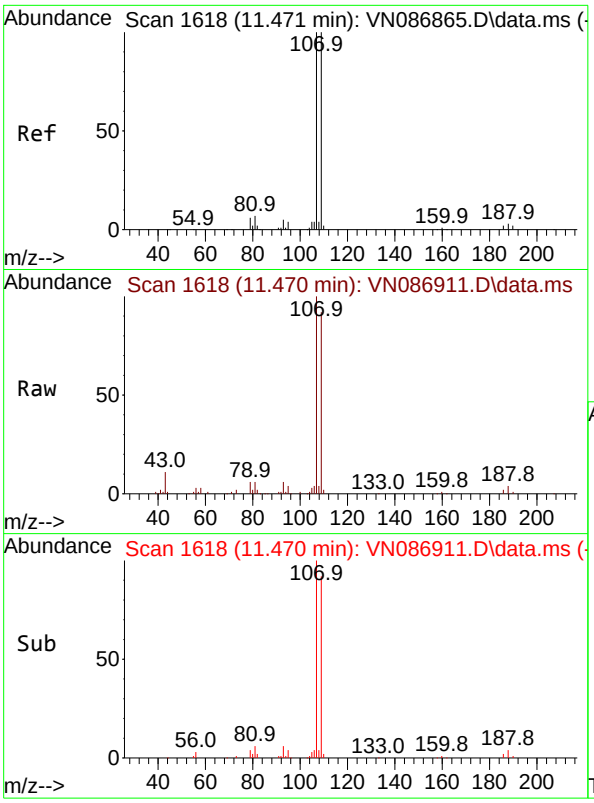


#60
Dibromochloromethane
Concen: 53.046 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:129 Resp: 157642

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



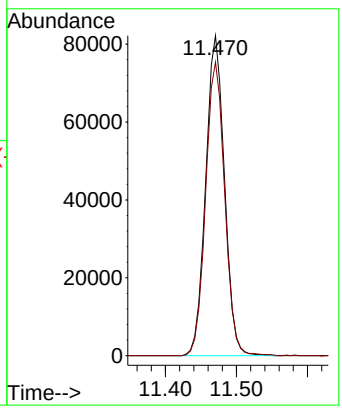


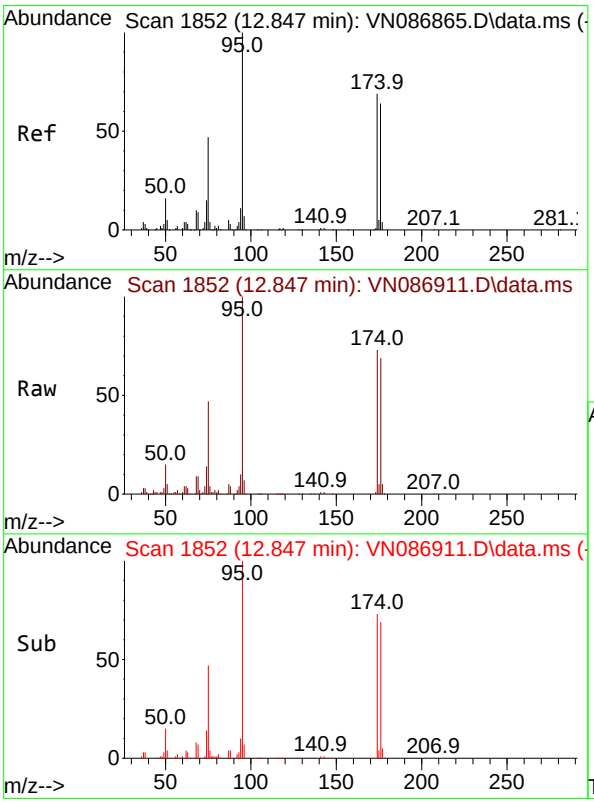
#61
1,2-Dibromoethane
Concen: 51.729 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 151234

Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.3	114.5

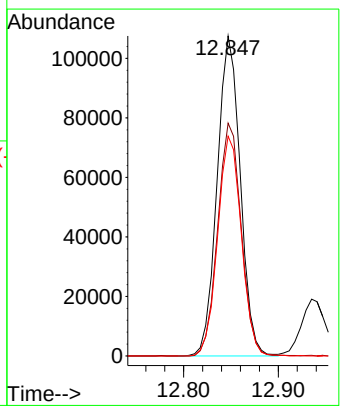


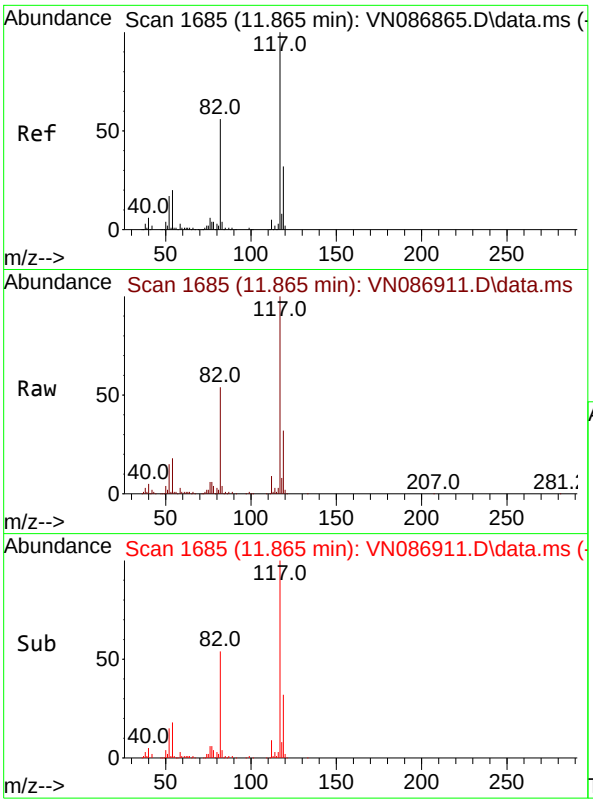


#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 95 Resp: 182658

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	141.8
176	70.2	0.0	132.6



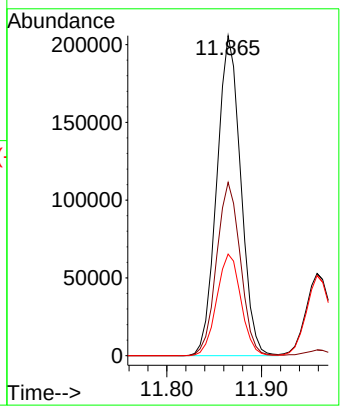


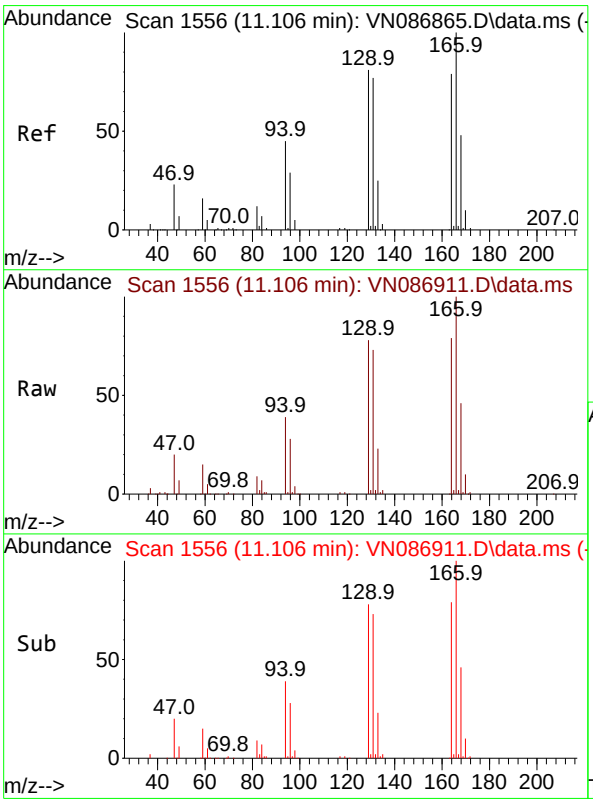
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 361673

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.6	67.0
119	31.7	25.5	38.3

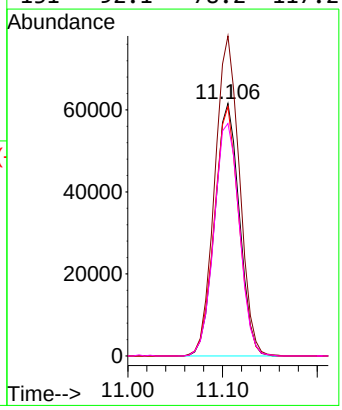


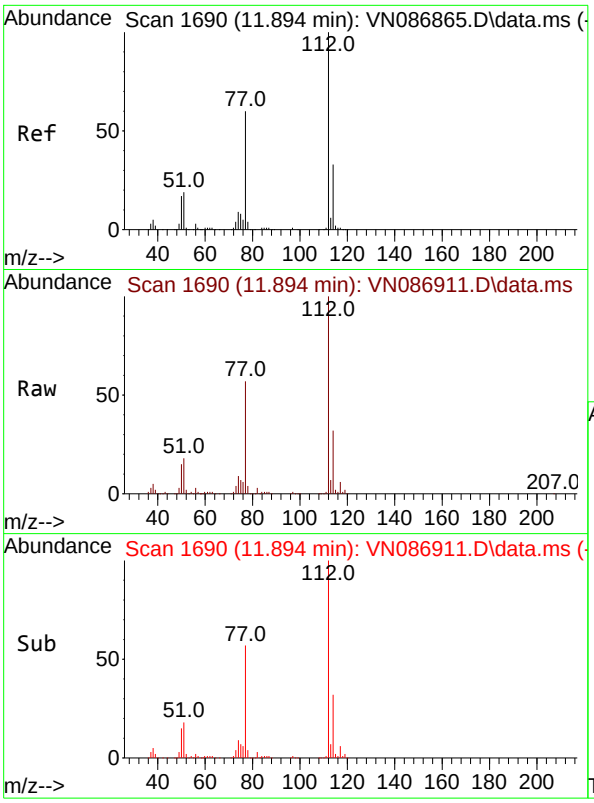


#64
Tetrachloroethene
Concen: 48.432 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:164 Resp: 110856

Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.8	152.8
129	98.7	83.0	124.4
131	92.1	78.2	117.2



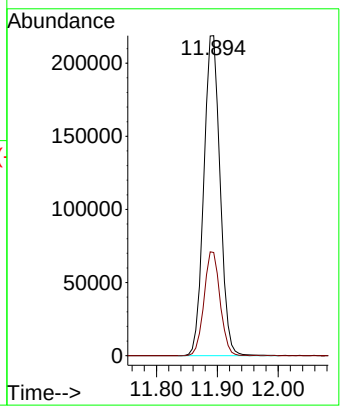


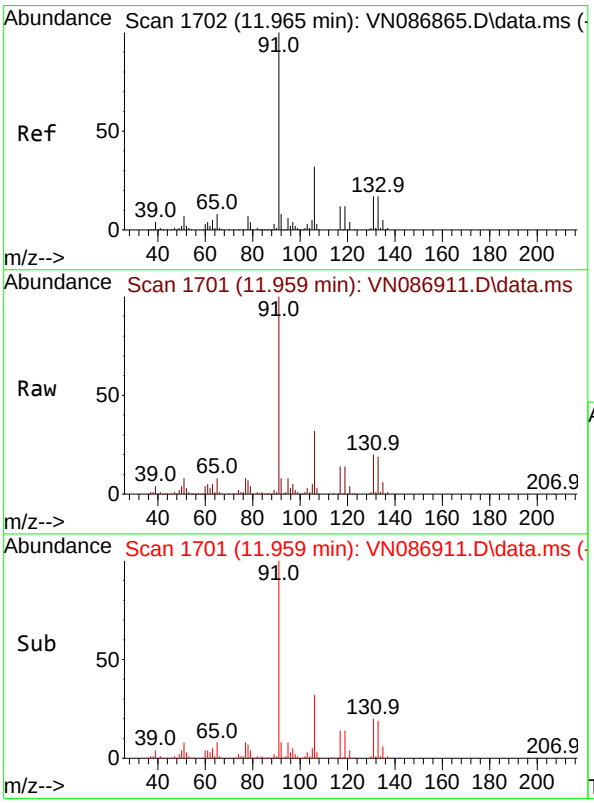
#65
Chlorobenzene
Concen: 50.938 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 406325

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2

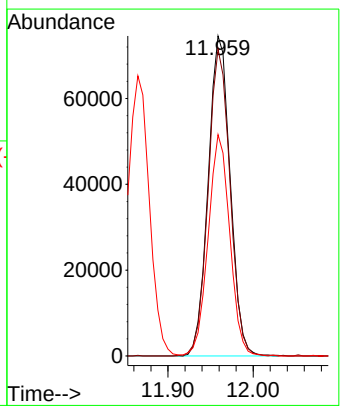


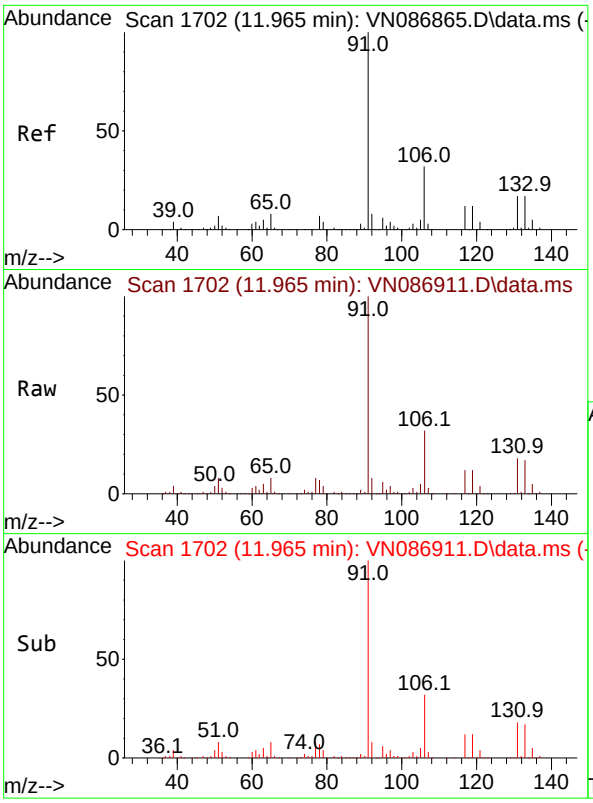


#66
1,1,1,2-Tetrachloroethane
Concen: 52.211 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:131 Resp: 133877

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.3	144.8
119	68.0	34.0	101.8



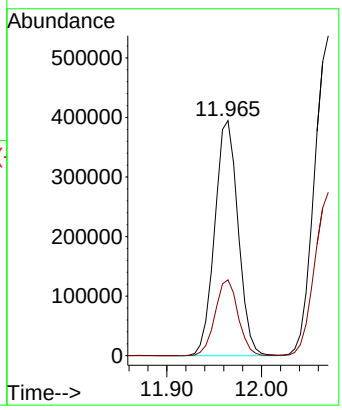


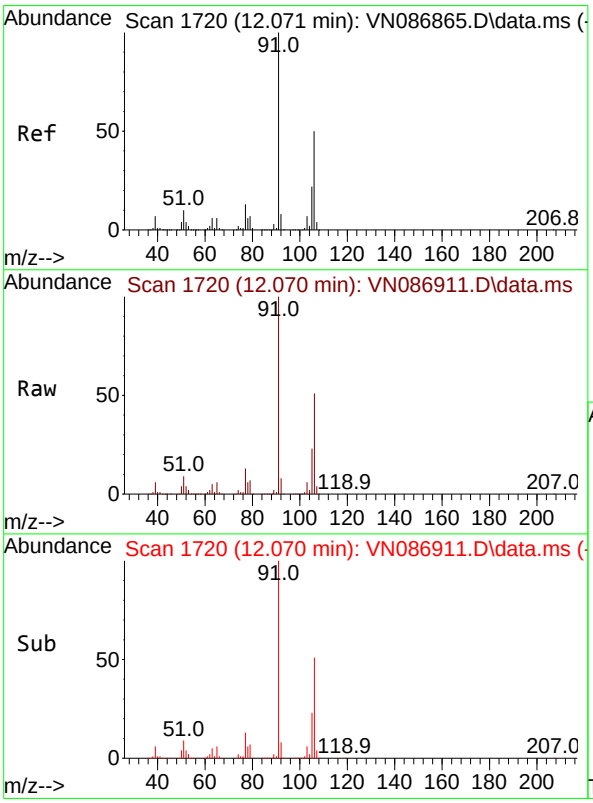
#67
Ethyl Benzene
Concen: 49.375 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 678406

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2

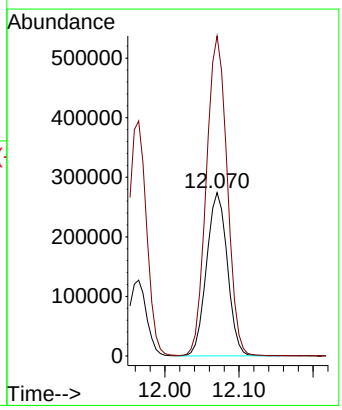


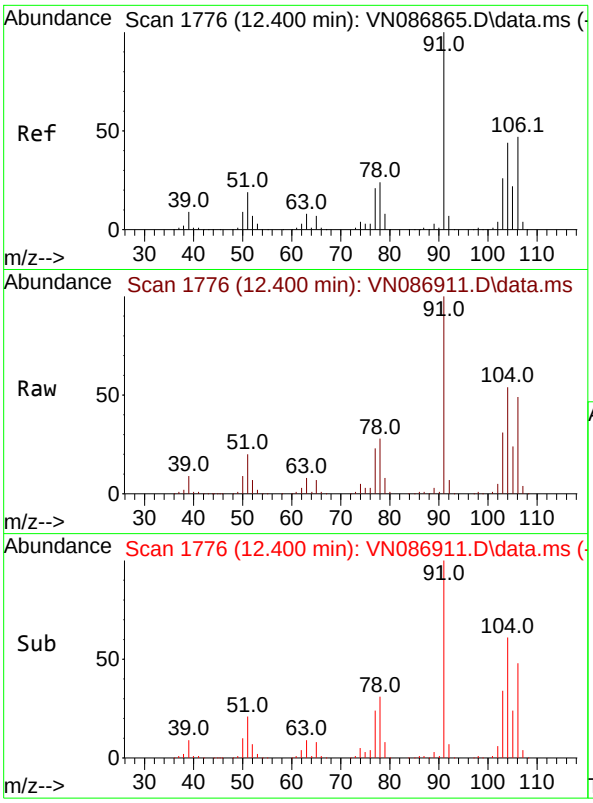


#68
m/p-Xylenes
Concen: 101.613 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:106 Resp: 534450

Ion	Ratio	Lower	Upper
106	100		
91	195.7	159.4	239.0



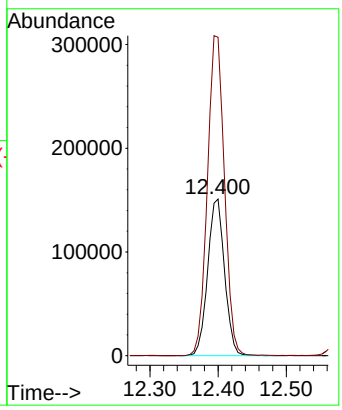


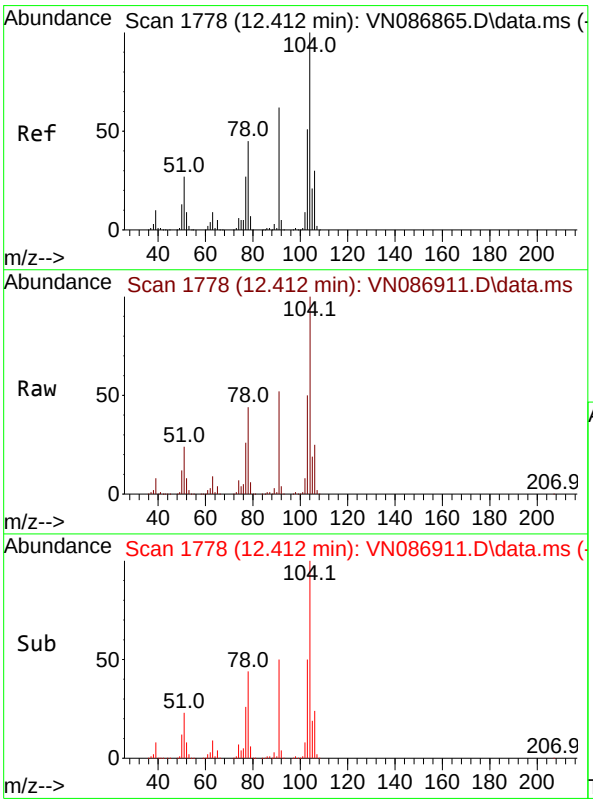
#69
o-Xylene
Concen: 51.686 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 260364

Ion	Ratio	Lower	Upper
106	100		
91	206.2	106.1	318.1

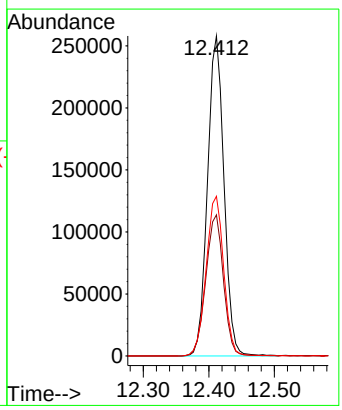


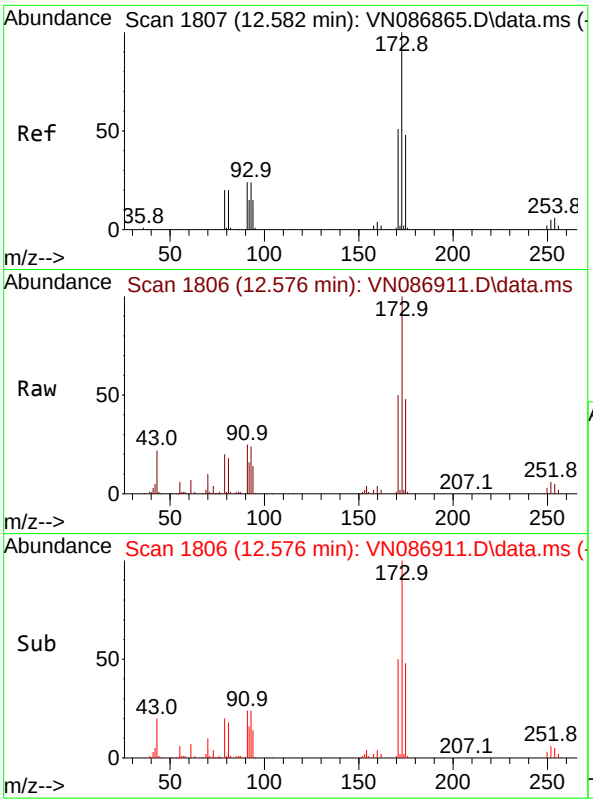


#70
Styrene
Concen: 52.227 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:104 Resp: 450190

Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.5	57.7
103	53.5	43.1	64.7



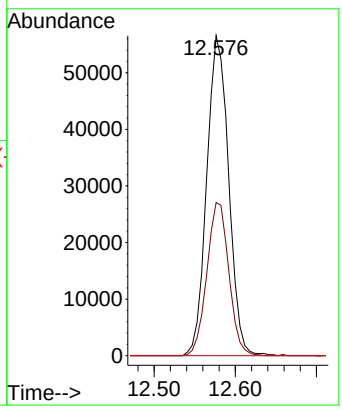


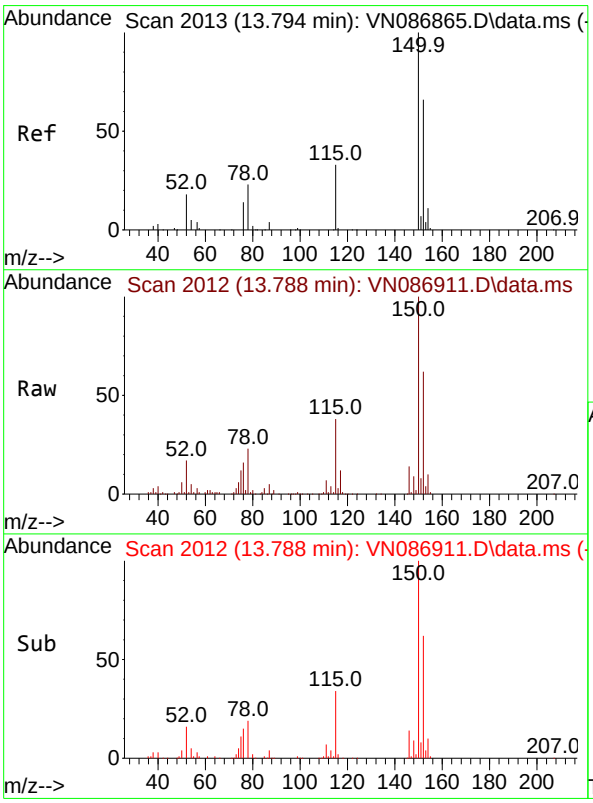
#71
Bromoform
Concen: 55.815 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 106042

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.0	0.0

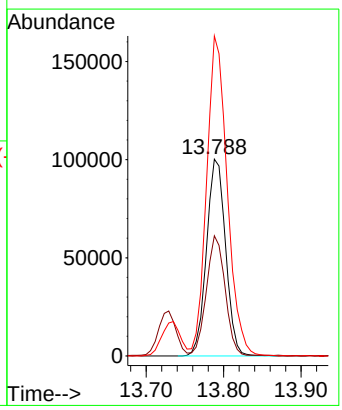


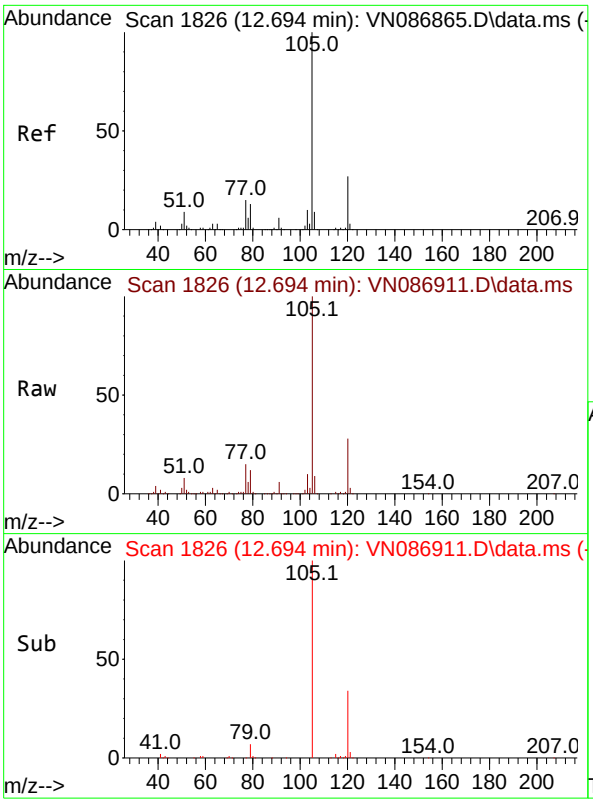


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:152 Resp: 171846

Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.1	90.5
150	175.6	0.0	345.0



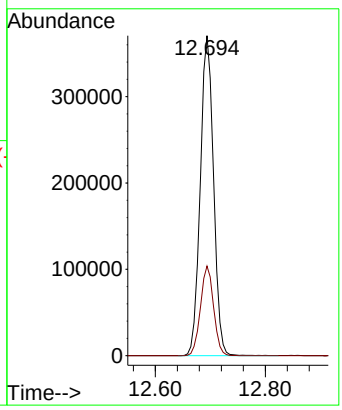


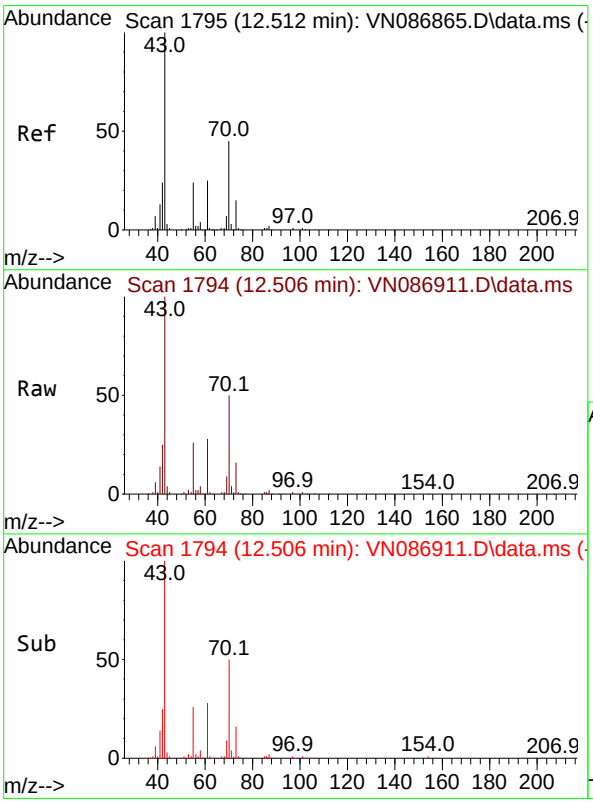
#73
Isopropylbenzene
Concen: 49.532 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 620099

Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4

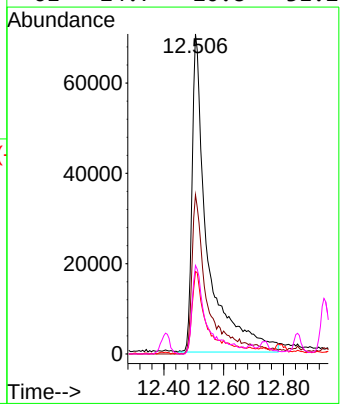


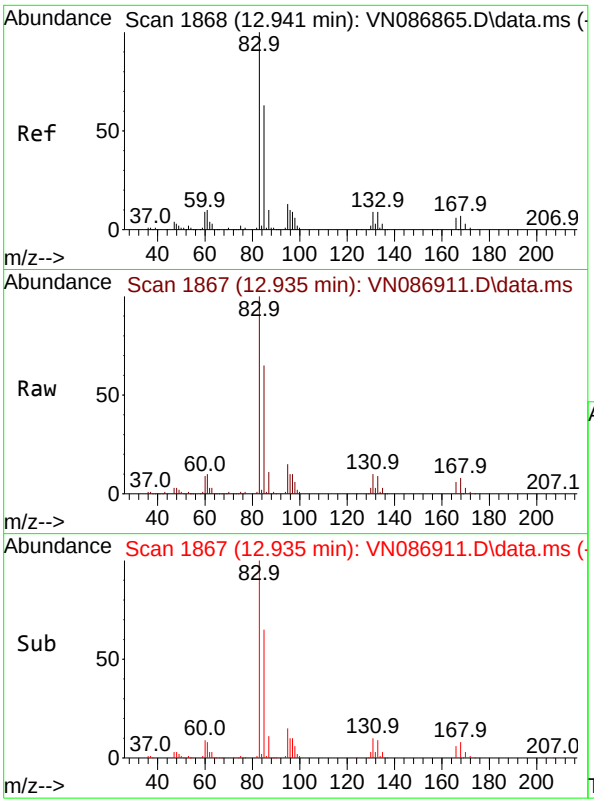


#74
N-amyl acetate
Concen: 57.797 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 43 Resp: 252846

Ion	Ratio	Lower	Upper
43	100		
70	48.9	37.6	56.4
55	25.0	19.0	28.6
61	24.7	20.8	31.2



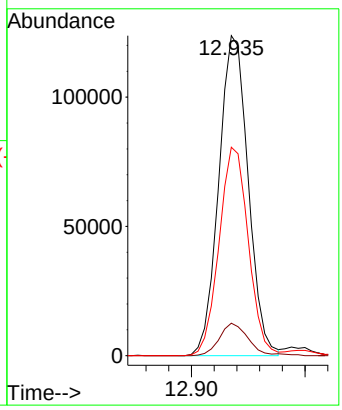


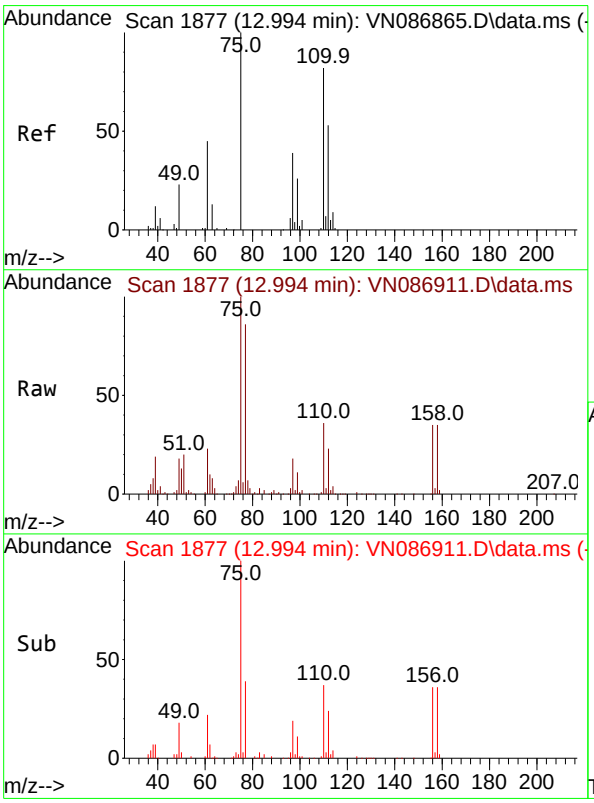
#75
1,1,2,2-Tetrachloroethane
Concen: 52.379 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 222152

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	65.1	32.0	96.0

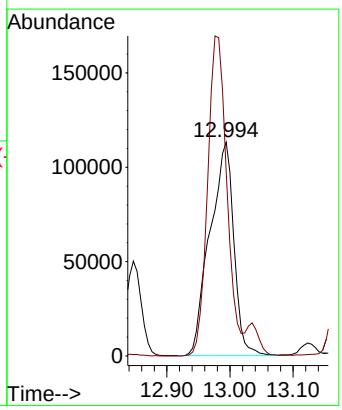


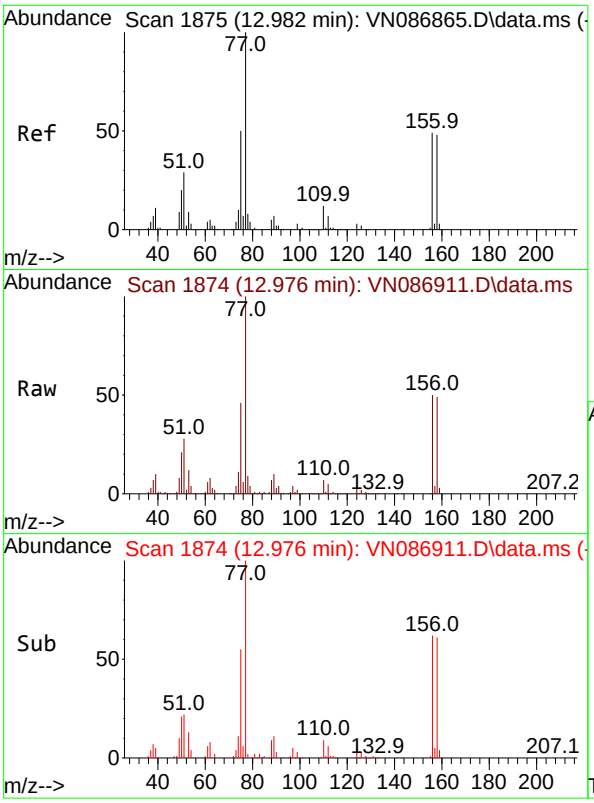


#76
1,2,3-Trichloropropane
Concen: 72.970 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 298072

Ion	Ratio	Lower	Upper
75	100		
77	119.8	79.3	237.9



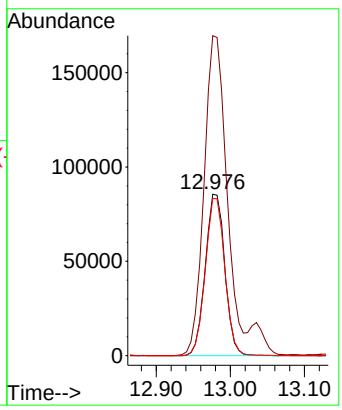


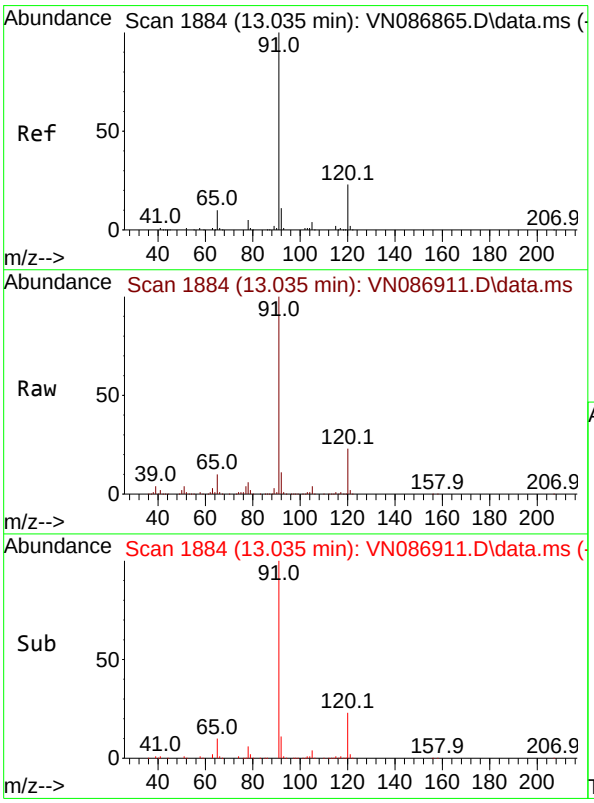
#77
Bromobenzene
Concen: 54.629 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 156843

Ion	Ratio	Lower	Upper
156	100		
77	227.6	117.7	353.1
158	97.3	48.1	144.4

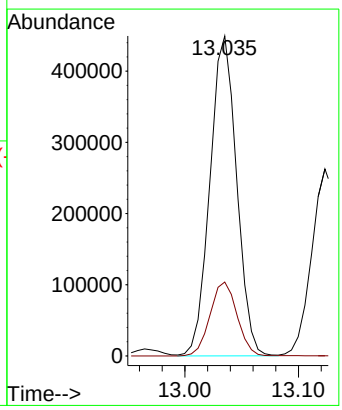


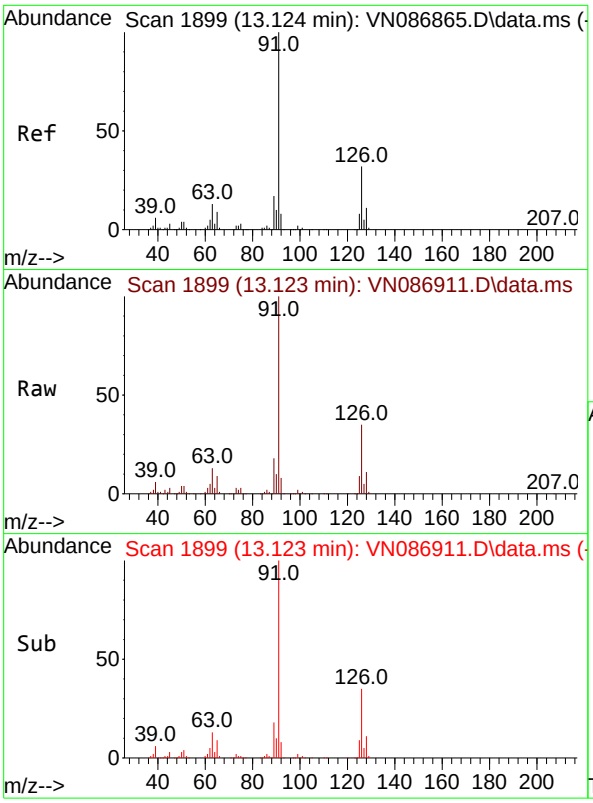


#78
n-propylbenzene
Concen: 48.282 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 734563

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2



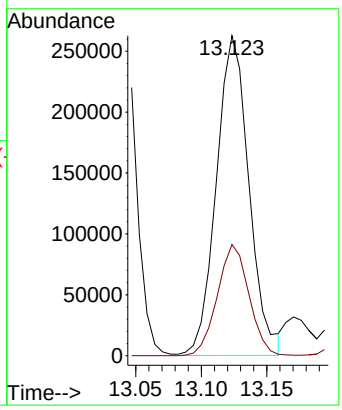


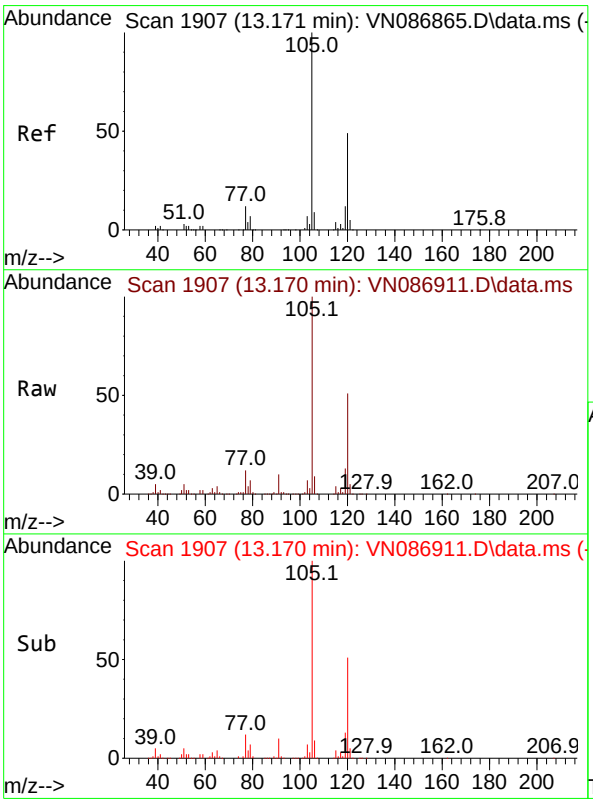
#79
2-Chlorotoluene
Concen: 49.742 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 453845

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.2	48.5

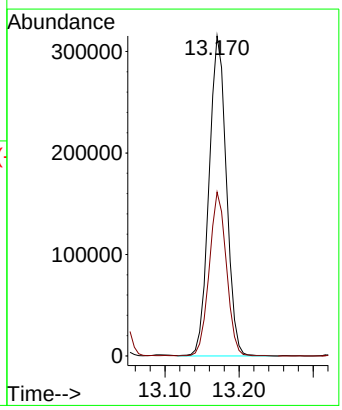


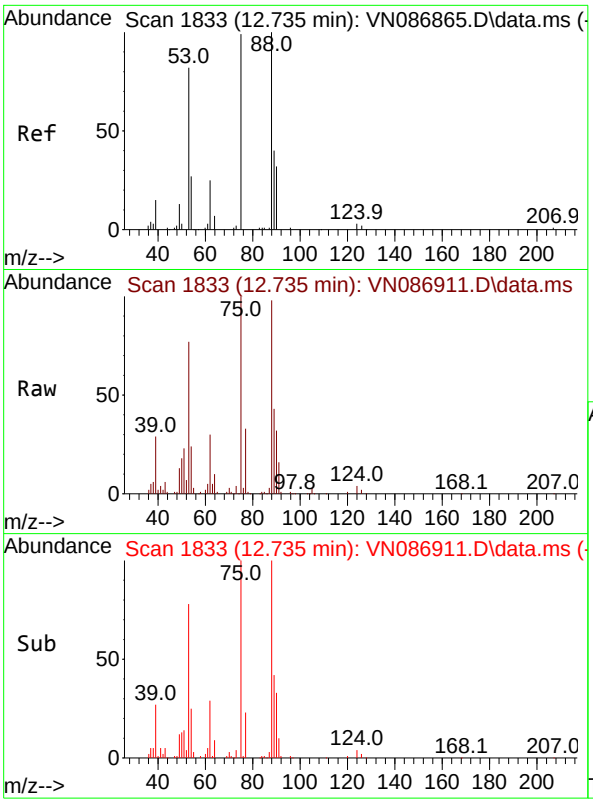


#80
1,3,5-Trimethylbenzene
Concen: 49.531 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:105 Resp: 511955

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6



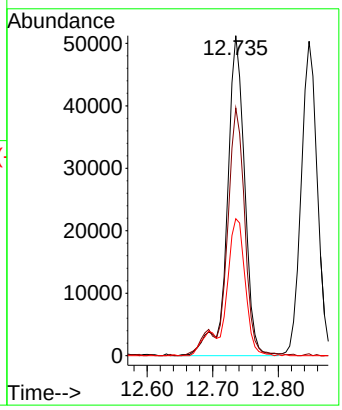


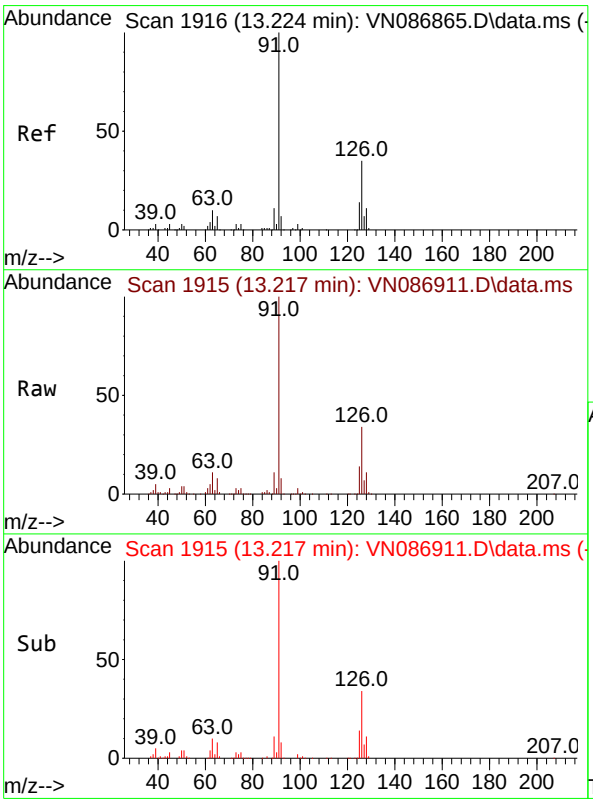
#81
trans-1,4-Dichloro-2-butene
Concen: 53.576 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 95072

Ion	Ratio	Lower	Upper
75	100		
53	73.8	66.6	99.8
89	42.4	36.7	55.1

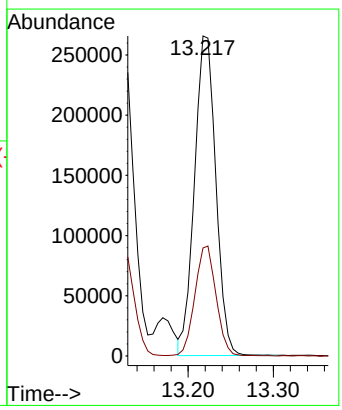


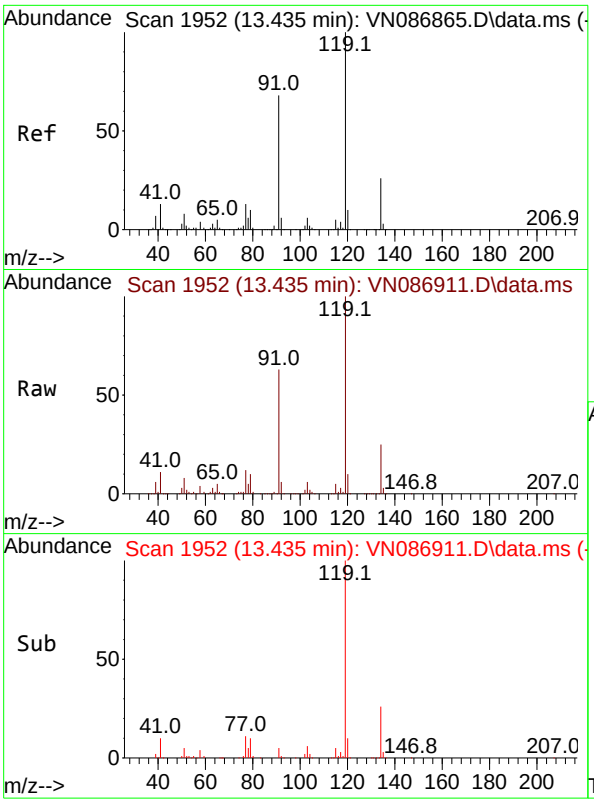


#82
4-Chlorotoluene
Concen: 50.037 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 91 Resp: 461943

Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.1



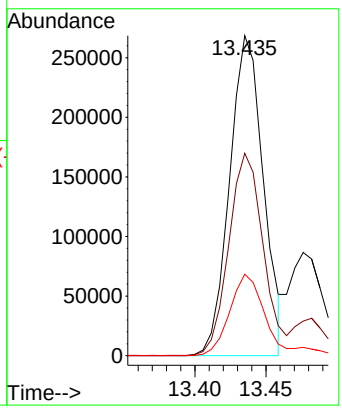


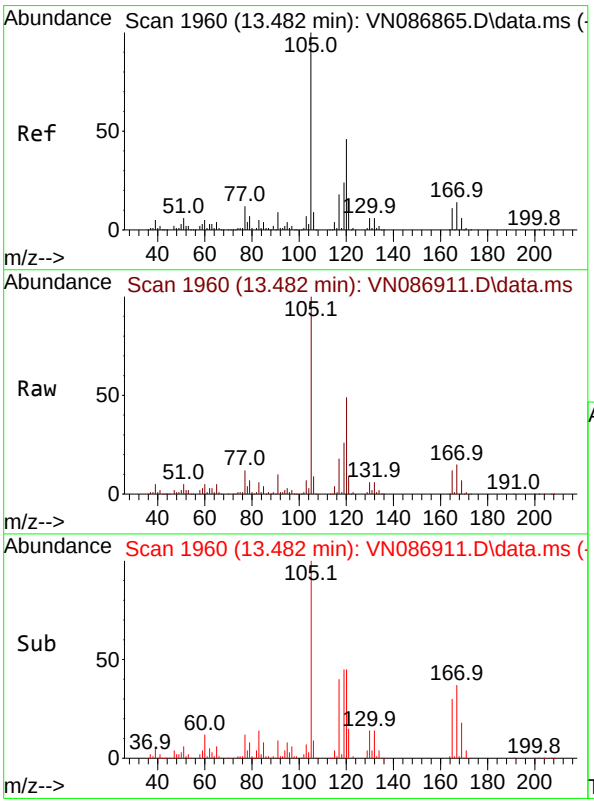
#83
tert-Butylbenzene
Concen: 46.828 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 443059

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.5
134	27.6	13.4	40.1

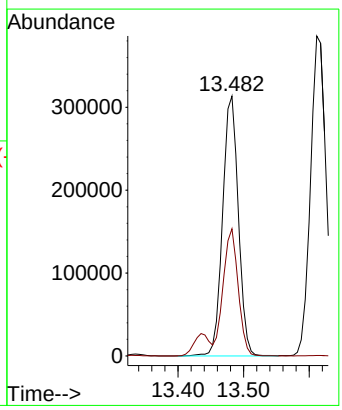


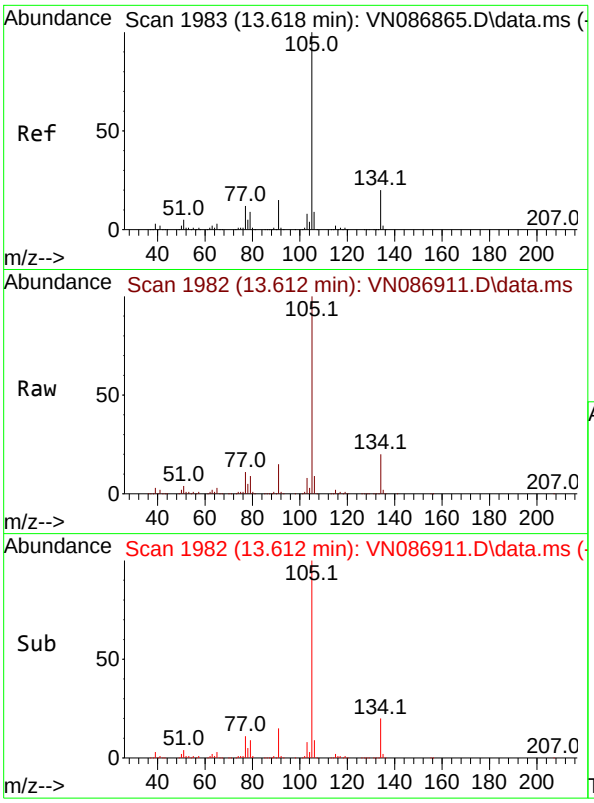


#84
1,2,4-Trimethylbenzene
Concen: 50.201 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:105 Resp: 520317

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.6



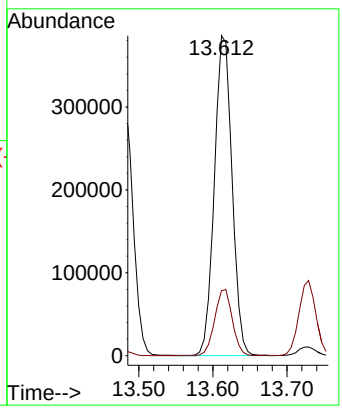


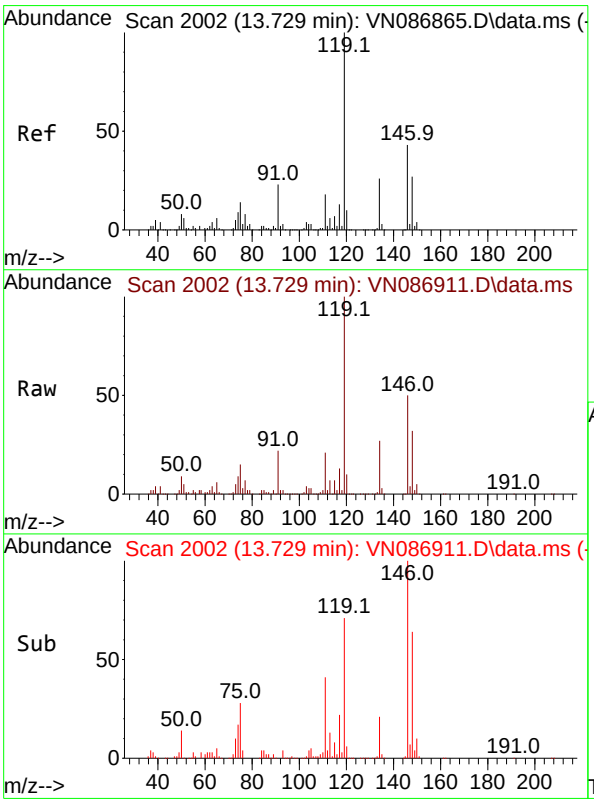
#85
sec-Butylbenzene
Concen: 46.581 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 640017

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.0	30.0

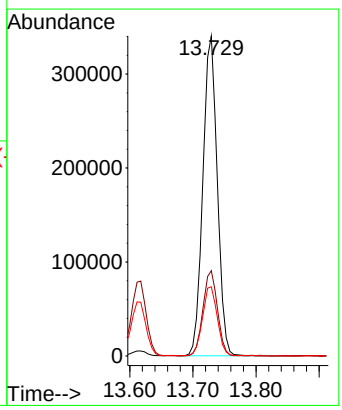


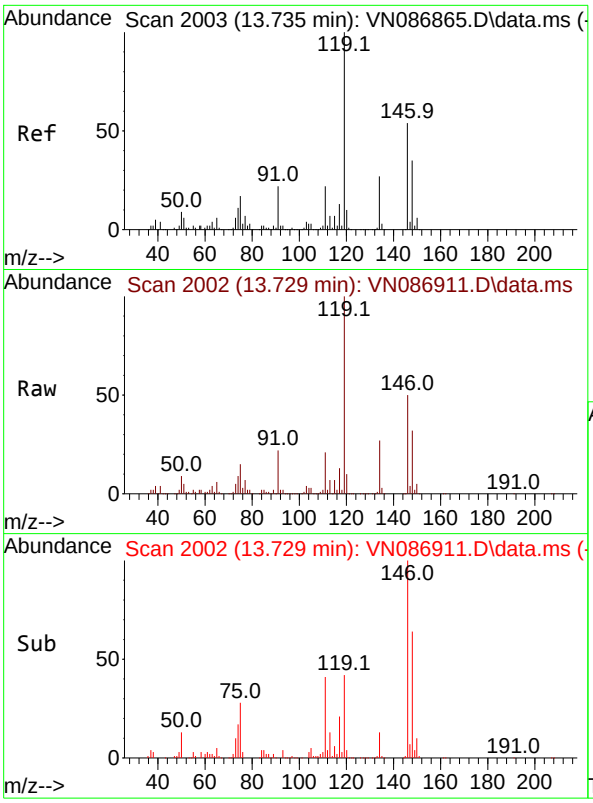


#86
p-Isopropyltoluene
Concen: 47.459 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:119 Resp: 539030

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.0	11.5	34.4



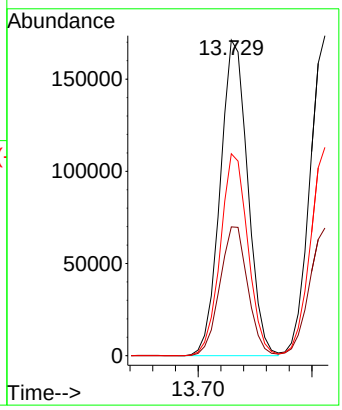


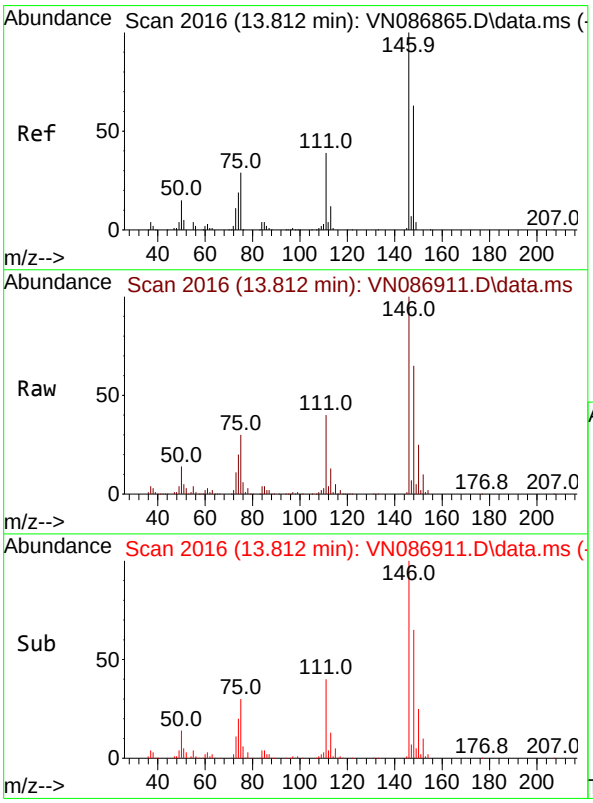
#87
1,3-Dichlorobenzene
Concen: 51.035 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 288285

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.9	32.0	96.2

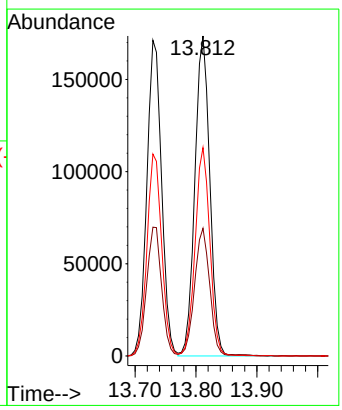


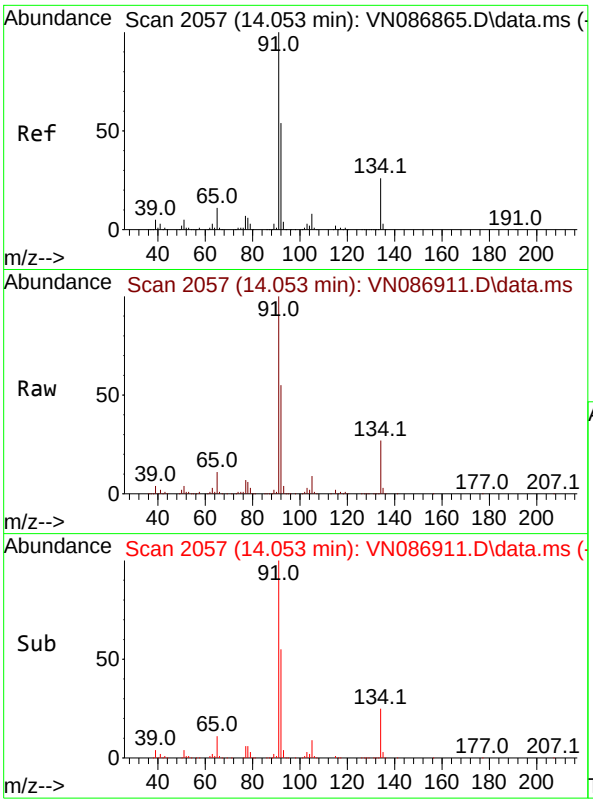


#88
1,4-Dichlorobenzene
Concen: 51.354 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:146 Resp: 295752

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	64.2	31.8	95.4



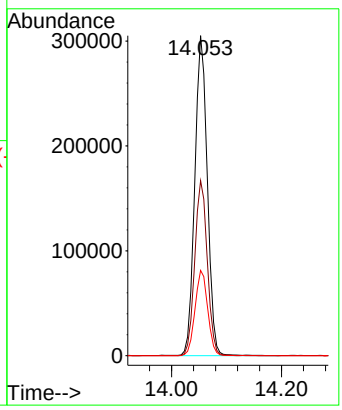


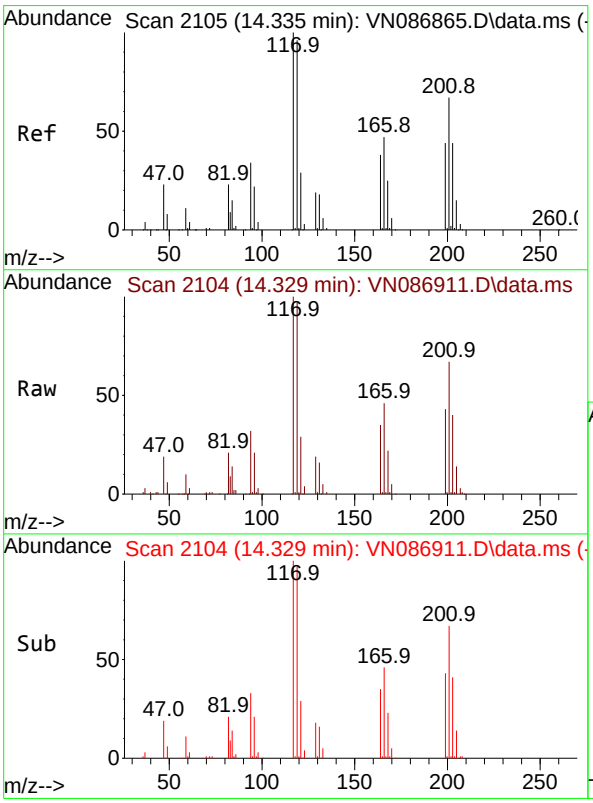
#89
n-Butylbenzene
Concen: 43.927 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 483251

Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	26.9	13.0	39.0

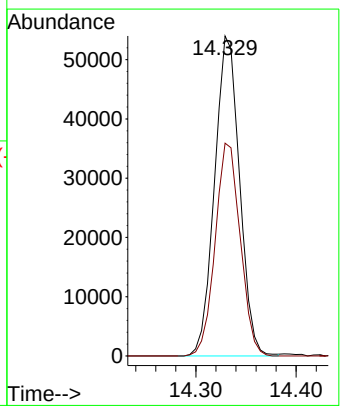


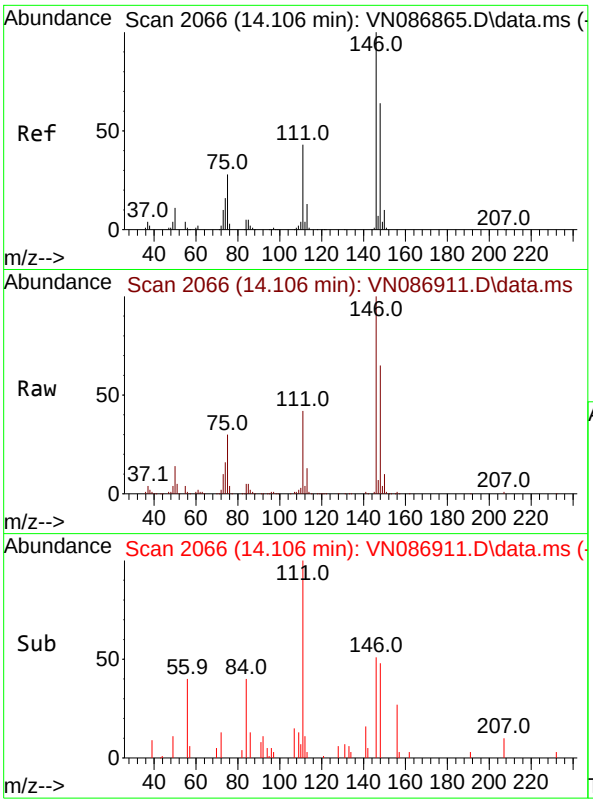


#90
Hexachloroethane
Concen: 48.549 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:117 Resp: 93467

Ion	Ratio	Lower	Upper
117	100		
201	66.6	33.2	99.6



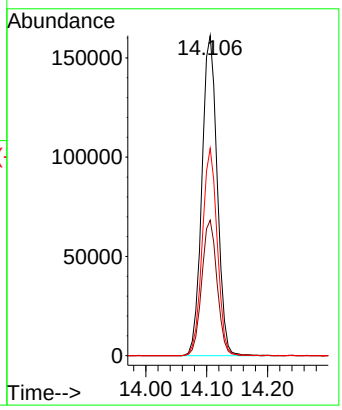


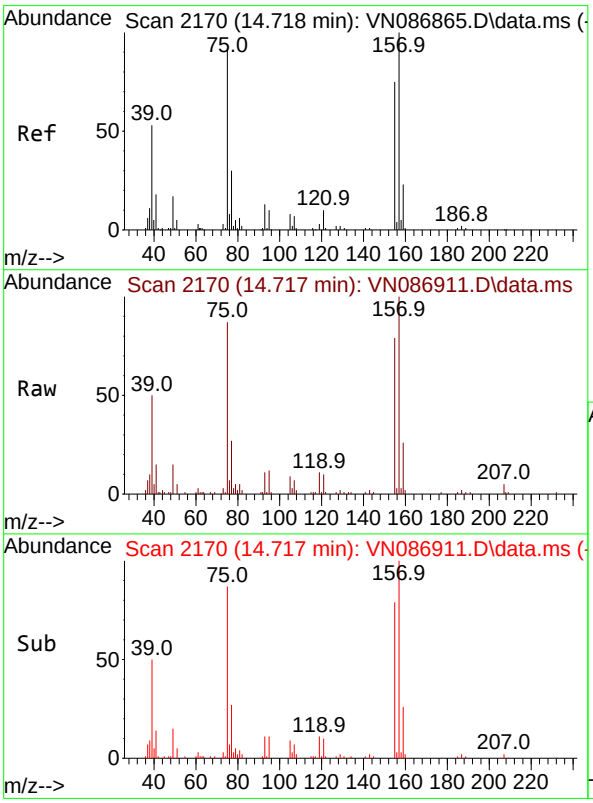
#91
1,2-Dichlorobenzene
Concen: 51.939 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 281872

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	63.4	31.7	95.1

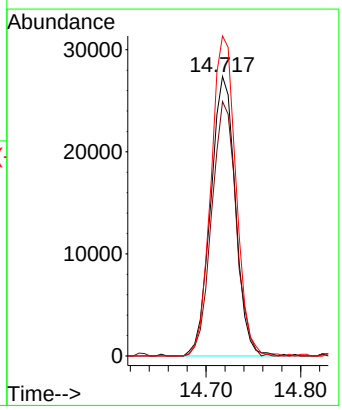


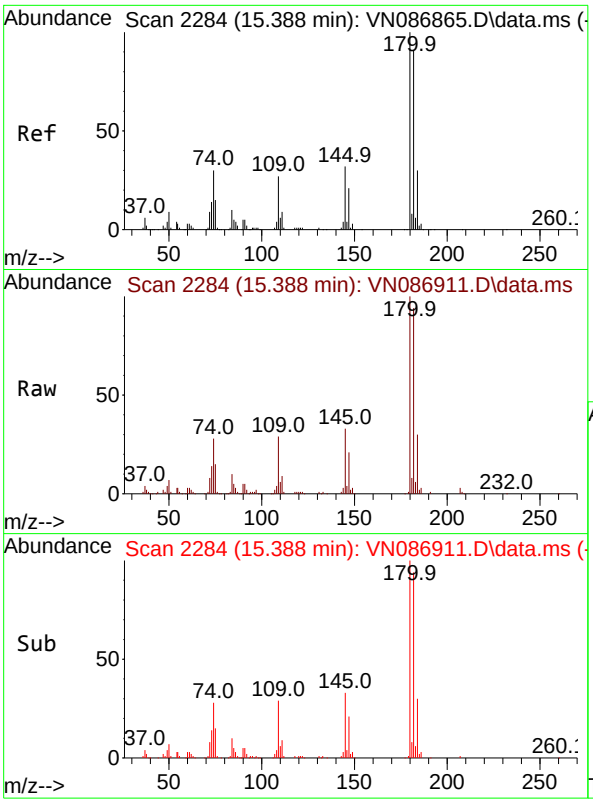


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.871 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion: 75 Resp: 49570

Ion	Ratio	Lower	Upper
75	100		
155	90.1	41.1	123.4
157	115.3	52.7	158.1



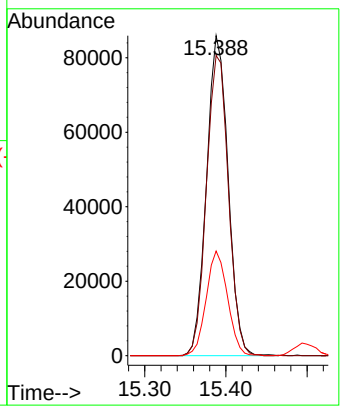


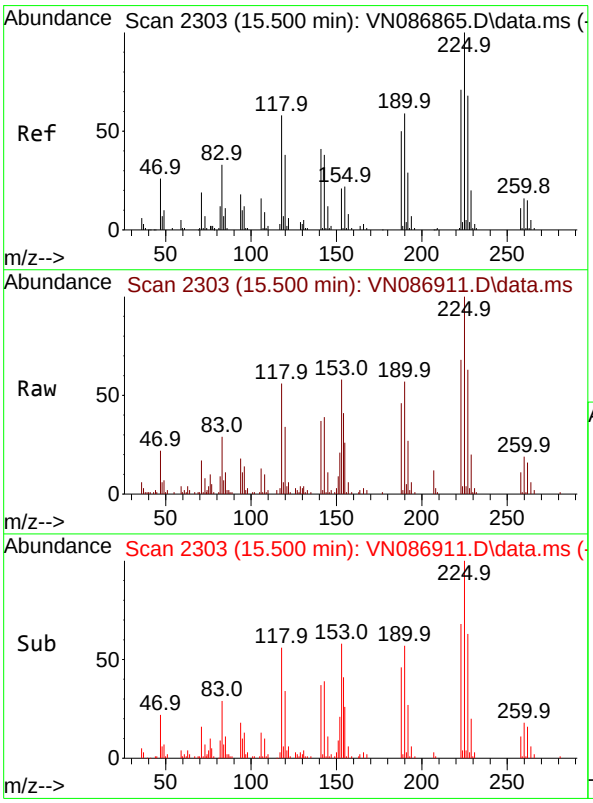
#93
1,2,4-Trichlorobenzene
Concen: 45.826 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 158810

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	32.3	16.0	47.9

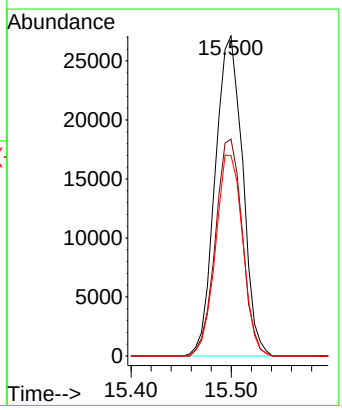


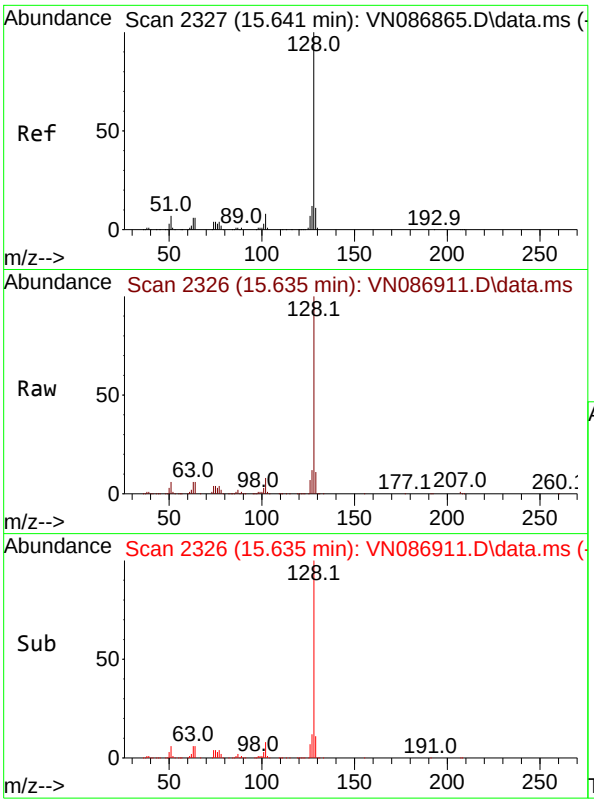


#94
Hexachlorobutadiene
Concen: 39.949 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:225 Resp: 51579

Ion	Ratio	Lower	Upper
225	100		
223	66.3	33.5	100.4
227	62.2	31.1	93.5



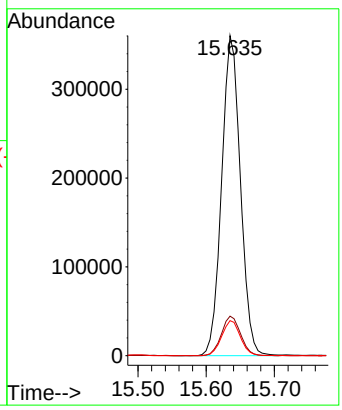


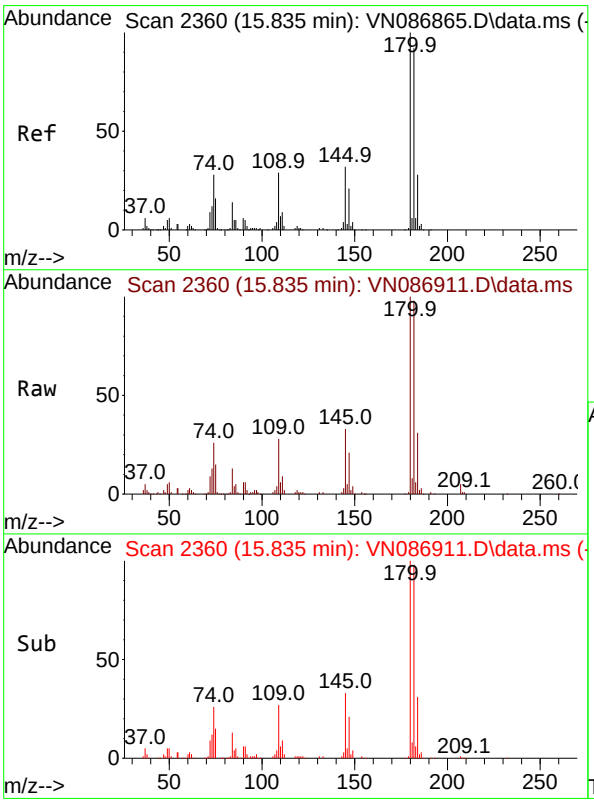
#95
Naphthalene
Concen: 53.593 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 691305

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 44.434 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086911.D
Acq: 09 Jun 2025 17:17

Tgt Ion:180 Resp: 152993

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	33.9	16.6	49.8

