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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P4774

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for P4774

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 16
- 9.3) Method Blank Summary 19
- 9.4) GS/MS Tune Summary 21
- 9.5) Internal Standard Area and RT Summary 24

10) Sample Data 28

- 10.1) BP-VPB-190-TB-20241105 29
- 10.2) VPB190-HYD-20241106 43
- 10.3) BP-VPB-190-EB-20241106 56
- 10.4) BP-VPB-190-DUP-20241105 70
- 10.5) BP-VPB-190-GW-618-620 84
- 10.6) BP-VPB-190-GW-638-640 97
- 10.7) BP-VPB-190-GW-638-640DL 112
- 10.8) BP-VPB-190-GW-658-660 121
- 10.9) BP-VPB-190-GW-658-660DL 138

11) Calibration Data Summary 147

- 11.1) Initial Calibration Data 148
  - 11.1.1) VN103024 148
- 11.2) Continued Calibration Data 522
  - 11.2.1) VN084737.D 522
  - 11.2.2) VN084761.D 582
  - 11.2.3) VN084763.D 642
  - 11.2.4) VN084787.D 702

12) QC Sample Data 762

- 12.1) Tune Raw Data 763
- 12.2) Method Blank Data 766

12.3) LCS Data 790
12.4) LCSD Data 898
13) Manual Integration 952
14) Analytical Runlogs 956
15) Standard Prep Logs 969
16) Shipping Document 1054
16.1) Chain Of Custody 1055
16.2) Lab Certificate 1056
16.3) 16.3) Internal COC 1057
17) Not Reviewed Data 1059

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

Cover Page

Order ID : P4774

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4774-01	BP-VPB-190-TB-20241105
P4774-02	VPB190-HYD-20241106
P4774-03	BP-VPB-190-EB-20241106
P4774-04	BP-VPB-190-DUP-20241105
P4774-05	BP-VPB-190-GW-618-620
P4774-06	BP-VPB-190-GW-638-640
P4774-07	BP-VPB-190-GW-658-660

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: 11/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # P4774
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 11/07/2024.

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

The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VN084737.D met the requirements except for Carbon Disulfide failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID VN084763.D met the requirements except for Carbon Disulfide failing low and Acetone failing high but only dilution samples analyzed under this CCAL therefore no corrective action taken.

The Tuning criteria met requirements.

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

Samples BP-VPB-190-GW-638-640, BP-VPB-190-GW-658-660 were diluted due to high concentrations.

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

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4774 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression. The Continuous Calibration File ID VN084737.D met the requirements except for Carbon Disulfide failing marginally low therefore no corrective action taken. The Continuous Calibration File ID VN084763.D met the requirements except for Carbon Disulfide failing low and Acetone failing high but only dilution samples analyzed under this CCAL therefore no corrective action taken.		✓	
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

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

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

ADDITIONAL COMMENTS:

Samples BP-VPB-190-GW-638-640, BP-VPB-190-GW-658-660 were diluted due to high concentrations.

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

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 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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4774

	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:** 11/21/2024

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

LAB CHRONICLE

OrderID:	P4774	**OrderDate:**	11/7/2024 3:46:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4774-01	**BP-VPB-190-TB-20241105**	**Water**			**11/05/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-02	**VPB190-HYD-20241106**	**Water**			**11/06/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-03	**BP-VPB-190-EB-20241106**	**Water**			**11/06/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-04	**BP-VPB-190-DUP-20241105**	**Water**			**11/05/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-05	**BP-VPB-190-GW-618-620**	**Water**			**11/05/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-06	**BP-VPB-190-GW-638-640**	**Water**			**11/05/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-06DL	**BP-VPB-190-GW-638-640DL**	**Water**			**11/05/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/11/24	
P4774-07	**BP-VPB-190-GW-658-660**	**Water**			**11/06/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/08/24	
P4774-07DL	**BP-VPB-190-GW-658-660DL**	**Water**			**11/06/24**			**11/07/24**
			VOCMS Group1	8260-Low			11/11/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-190-DUP-20241105**								
P4774-04	BP-VPB-190-DUP-	Water	Trichloroethene	0.39	J	0.32	0.75	1.00	ug/L
			Total Voc :	0.39					
			Total Concentration:	0.39					
Client ID:	**BP-VPB-190-GW-638-640**								
P4774-06	BP-VPB-190-GW-6	Water	Carbon Tetrachloride	0.85	J	0.25	0.50	1.00	ug/L
P4774-06	BP-VPB-190-GW-6	Water	Trichloroethene	160	E	0.32	0.75	1.00	ug/L
P4774-06	BP-VPB-190-GW-6	Water	1,1,2-Trichloroethane	1.10		0.21	0.50	1.00	ug/L
			Total Voc :	162					
			Total Concentration:	162					
Client ID:	**BP-VPB-190-GW-638-640DL**								
P4774-06DL	BP-VPB-190-GW-6	Water	Trichloroethene	170	D	1.60	3.80	5.00	ug/L
			Total Voc :	170					
			Total Concentration:	170					
Client ID:	**BP-VPB-190-GW-658-660**								
P4774-07	BP-VPB-190-GW-6	Water	1,1,2-Trichlorotrifluoroethane	2.00		0.25	0.50	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	1,1-Dichloroethene	0.58	J	0.26	0.75	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	Carbon Tetrachloride	1.50		0.25	0.50	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	cis-1,2-Dichloroethene	1.70		0.25	0.75	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	Chloroform	1.10		0.26	0.50	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	Trichloroethene	340	E	0.32	0.75	1.00	ug/L
P4774-07	BP-VPB-190-GW-6	Water	1,1,2-Trichloroethane	1.60		0.21	0.50	1.00	ug/L
			Total Voc :	348					
			Total Concentration:	348					
Client ID:	**BP-VPB-190-GW-658-660DL**								
P4774-07DL	BP-VPB-190-GW-6	Water	Trichloroethene	300	D	3.20	7.50	10.0	ug/L
			Total Voc :	300					
			Total Concentration:	300					

QC SUMMARY

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

Surrogate Summary

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4774-01	BP-VPB-190-TB-20241105	1,2-Dichloroethane-d4	50	49.4	99	81	118
		Dibromofluoromethane	50	48.5	97	80	119
		Toluene-d8	50	45.4	91	89	112
		4-Bromofluorobenzene	50	45.8	92	85	114
P4774-02	VPB190-HYD-20241106	1,2-Dichloroethane-d4	50	48.9	98	81	118
		Dibromofluoromethane	50	48.3	97	80	119
		Toluene-d8	50	45.7	91	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
P4774-03	BP-VPB-190-EB-20241106	1,2-Dichloroethane-d4	50	48.9	98	81	118
		Dibromofluoromethane	50	49.2	98	80	119
		Toluene-d8	50	45.7	91	89	112
		4-Bromofluorobenzene	50	45.3	91	85	114
P4774-04	BP-VPB-190-DUP-20241105	1,2-Dichloroethane-d4	50	49.5	99	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	46.3	93	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
P4774-05	BP-VPB-190-GW-618-620	1,2-Dichloroethane-d4	50	48.6	97	81	118
		Dibromofluoromethane	50	48.7	97	80	119
		Toluene-d8	50	45.9	92	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114
P4774-06	BP-VPB-190-GW-638-640	1,2-Dichloroethane-d4	50	48.9	98	81	118
		Dibromofluoromethane	50	48.4	97	80	119
		Toluene-d8	50	46.3	93	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
P4774-06DL	BP-VPB-190-GW-638-640DL	1,2-Dichloroethane-d4	50	48.1	96	81	118
		Dibromofluoromethane	50	49.6	99	80	119
		Toluene-d8	50	47.3	95	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114
P4774-07	BP-VPB-190-GW-658-660	1,2-Dichloroethane-d4	50	49.2	98	81	118
		Dibromofluoromethane	50	48.8	98	80	119
		Toluene-d8	50	47.6	95	89	112
		4-Bromofluorobenzene	50	49.4	99	85	114
P4774-07DL	BP-VPB-190-GW-658-660DL	1,2-Dichloroethane-d4	50	48.5	97	81	118
		Dibromofluoromethane	50	49.1	98	80	119
		Toluene-d8	50	46.5	93	89	112
		4-Bromofluorobenzene	50	46.8	94	85	114
VN1108WBL01	VN1108WBL01	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	45.6	91	89	112
		4-Bromofluorobenzene	50	45.9	92	85	114
VN1108WBS01	VN1108WBS01	1,2-Dichloroethane-d4	50	46.2	92	81	118
		Dibromofluoromethane	50	47.6	95	80	119
		Toluene-d8	50	47.1	94	89	112
		4-Bromofluorobenzene	50	50.6	101	85	114
VN1108WBSD0	VN1108WBSD01	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	47.1	94	80	119
		Toluene-d8	50	47.3	95	89	112
		4-Bromofluorobenzene	50	46.8	94	85	114
VN1111WBL01	VN1111WBL01	1,2-Dichloroethane-d4	50	48.0	96	81	118
		Dibromofluoromethane	50	49.1	98	80	119

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

Surrogate Summary

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1111WBL01	VN1111WBL01	Toluene-d8	50	45.9	92	89	112
		4-Bromofluorobenzene	50	48.1	96	85	114
VN1111WBS01	VN1111WBS01	1,2-Dichloroethane-d4	50	41.8	84	81	118
		Dibromofluoromethane	50	46.0	92	80	119
		Toluene-d8	50	44.8	90	89	112
		4-Bromofluorobenzene	50	46.7	93	85	114

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1108WBS01	Chloromethane	20	14.3	ug/L	72			50	139	
	Vinyl chloride	20	16.2	ug/L	81			58	137	
	Bromomethane	20	17.0	ug/L	85			53	141	
	Chloroethane	20	16.8	ug/L	84			60	138	
	Trichlorofluoromethane	20	17.8	ug/L	89			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.0	ug/L	90			70	136	
	1,1-Dichloroethene	20	16.7	ug/L	84			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	15.1	ug/L	76			64	133	
	Methyl tert-butyl Ether	20	18.9	ug/L	95			71	124	
	Methylene Chloride	20	17.8	ug/L	89			74	124	
	trans-1,2-Dichloroethene	20	16.8	ug/L	84			75	124	
	1,1-Dichloroethane	20	17.9	ug/L	90			77	125	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			78	123	
	Chloroform	20	18.8	ug/L	94			79	124	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			74	131	
	Methylcyclohexane	20	18.5	ug/L	93			72	132	
	Benzene	20	17.7	ug/L	89			79	120	
	1,2-Dichloroethane	20	19.1	ug/L	96			73	128	
	Trichloroethene	20	18.3	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.3	ug/L	92			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	18.9	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			73	127	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	19.6	ug/L	98			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.0	ug/L	100			74	126	
	Tetrachloroethene	20	18.3	ug/L	92			74	129	
	Chlorobenzene	20	17.6	ug/L	88			82	118	
	Ethyl Benzene	20	18.2	ug/L	91			79	121	
	m/p-Xylenes	40	36.9	ug/L	92			80	121	
	o-Xylene	20	18.8	ug/L	94			78	122	
	Styrene	20	18.6	ug/L	93			78	123	
	Bromoform	20	19.8	ug/L	99			66	130	
	Isopropylbenzene	20	17.4	ug/L	87			72	131	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91			71	121	
	1,3-Dichlorobenzene	20	16.0	ug/L	80			80	119	
	1,4-Dichlorobenzene	20	16.5	ug/L	83			79	118	
	1,2-Dichlorobenzene	20	16.8	ug/L	84			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084741.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1108WBSD01	Chloromethane	20	14.9	ug/L	75	4		50	139	20
	Vinyl chloride	20	17.6	ug/L	88	8		58	137	20
	Bromomethane	20	18.0	ug/L	90	6		53	141	20
	Chloroethane	20	20.6	ug/L	103	20		60	138	20
	Trichlorofluoromethane	20	18.1	ug/L	91	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	6		70	136	20
	1,1-Dichloroethene	20	17.9	ug/L	90	7		71	131	20
	Acetone	100	110	ug/L	110	0		39	160	20
	Carbon disulfide	20	15.7	ug/L	79	4		64	133	20
	Methyl tert-butyl Ether	20	20.1	ug/L	101	6		71	124	20
	Methylene Chloride	20	18.9	ug/L	95	7		74	124	20
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	7		75	124	20
	1,1-Dichloroethane	20	19.0	ug/L	95	5		77	125	20
	2-Butanone	100	110	ug/L	110	10		56	143	20
	Carbon Tetrachloride	20	19.1	ug/L	96	1		72	136	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		78	123	20
	Chloroform	20	19.2	ug/L	96	2		79	124	20
	1,1,1-Trichloroethane	20	19.6	ug/L	98	4		74	131	20
	Methylcyclohexane	20	18.3	ug/L	92	1		72	132	20
	Benzene	20	18.6	ug/L	93	4		79	120	20
	1,2-Dichloroethane	20	19.4	ug/L	97	1		73	128	20
	Trichloroethene	20	18.7	ug/L	94	2		79	123	20
	1,2-Dichloropropane	20	18.8	ug/L	94	1		78	122	20
	Bromodichloromethane	20	19.3	ug/L	97	5		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		67	130	20
	Toluene	20	19.6	ug/L	98	3		80	121	20
	t-1,3-Dichloropropene	20	18.9	ug/L	95	4		73	127	20
	cis-1,3-Dichloropropene	20	19.0	ug/L	95	3		75	124	20
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	20.5	ug/L	103	3		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	4		74	129	20
	Chlorobenzene	20	18.3	ug/L	92	4		82	118	20
	Ethyl Benzene	20	18.9	ug/L	95	4		79	121	20
	m/p-Xylenes	40	38.7	ug/L	97	5		80	121	20
	o-Xylene	20	19.9	ug/L	100	6		78	122	20
	Styrene	20	19.5	ug/L	98	5		78	123	20
	Bromoform	20	20.7	ug/L	104	5		66	130	20
	Isopropylbenzene	20	19.2	ug/L	96	10		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	7		71	121	20
	1,3-Dichlorobenzene	20	17.3	ug/L	86	7		80	119	20
	1,4-Dichlorobenzene	20	17.9	ug/L	90	8		79	118	20
	1,2-Dichlorobenzene	20	18.1	ug/L	91	8		80	119	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084766.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1111WBS01	Chloromethane	20	12.6	ug/L	63			50	139	
	Vinyl chloride	20	15.4	ug/L	77			58	137	
	Bromomethane	20	16.8	ug/L	84			53	141	
	Chloroethane	20	16.0	ug/L	80			60	138	
	Trichlorofluoromethane	20	16.8	ug/L	84			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.2	ug/L	86			70	136	
	1,1-Dichloroethene	20	16.1	ug/L	81			71	131	
	Acetone	100	90.2	ug/L	90			39	160	
	Carbon disulfide	20	13.7	ug/L	69			64	133	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			71	124	
	Methylene Chloride	20	17.2	ug/L	86			74	124	
	trans-1,2-Dichloroethene	20	15.9	ug/L	79			75	124	
	1,1-Dichloroethane	20	16.9	ug/L	85			77	125	
	2-Butanone	100	86.1	ug/L	86			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	17.2	ug/L	86			78	123	
	Chloroform	20	17.7	ug/L	89			79	124	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			74	131	
	Methylcyclohexane	20	17.1	ug/L	86			72	132	
	Benzene	20	17.5	ug/L	88			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	17.6	ug/L	88			79	123	
	1,2-Dichloropropane	20	17.9	ug/L	90			78	122	
	Bromodichloromethane	20	18.5	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	93.1	ug/L	93			67	130	
	Toluene	20	18.4	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	16.9	ug/L	85			73	127	
	cis-1,3-Dichloropropene	20	18.0	ug/L	90			75	124	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			80	119	
	2-Hexanone	100	94.6	ug/L	95			57	139	
	Dibromochloromethane	20	19.4	ug/L	97			74	126	
	Tetrachloroethene	20	18.4	ug/L	92			74	129	
	Chlorobenzene	20	17.8	ug/L	89			82	118	
	Ethyl Benzene	20	17.8	ug/L	89			79	121	
	m/p-Xylenes	40	37.3	ug/L	93			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	18.1	ug/L	91			78	123	
	Bromoform	20	19.3	ug/L	97			66	130	
	Isopropylbenzene	20	17.5	ug/L	88			72	131	
	1,1,2,2-Tetrachloroethane	20	16.9	ug/L	85			71	121	
	1,3-Dichlorobenzene	20	16.3	ug/L	81			80	119	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			79	118	
	1,2-Dichlorobenzene	20	16.7	ug/L	84			80	119	

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1108WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084739.D Lab Sample ID: VN1108WBL01

Date Analyzed: 11/08/2024 Time Analyzed: 10:44

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
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024
BP-VPB-190-TB-20241105	P4774-01	VN084746.D	11/08/2024
VPB190-HYD-20241106	P4774-02	VN084747.D	11/08/2024
BP-VPB-190-EB-20241106	P4774-03	VN084748.D	11/08/2024
BP-VPB-190-DUP-20241105	P4774-04	VN084749.D	11/08/2024
BP-VPB-190-GW-618-620	P4774-05	VN084750.D	11/08/2024
BP-VPB-190-GW-638-640	P4774-06	VN084751.D	11/08/2024
BP-VPB-190-GW-658-660	P4774-07	VN084752.D	11/08/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1111WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084765.D Lab Sample ID: VN1111WBL01

Date Analyzed: 11/11/2024 Time Analyzed: 12:30

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
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024
BP-VPB-190-GW-638-640DL	P4774-06DL	VN084767.D	11/11/2024
BP-VPB-190-GW-658-660DL	P4774-07DL	VN084768.D	11/11/2024

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.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084736.D BFB Injection Date: 11/08/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:18

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	17.2
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	77.7 (99) 1
177	5.0 - 9.0% of mass 176	4.8 (6.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084737.D	11/08/2024	09:39
VN1108WBL01	VN1108WBL01	VN084739.D	11/08/2024	10:44
VN1108WBS01	VN1108WBS01	VN084740.D	11/08/2024	11:19
VN1108WBSD01	VN1108WBSD01	VN084741.D	11/08/2024	11:43
BP-VPB-190-TB-20241105	P4774-01	VN084746.D	11/08/2024	13:44
VPB190-HYD-20241106	P4774-02	VN084747.D	11/08/2024	14:08
BP-VPB-190-EB-20241106	P4774-03	VN084748.D	11/08/2024	14:32
BP-VPB-190-DUP-20241105	P4774-04	VN084749.D	11/08/2024	14:56
BP-VPB-190-GW-618-620	P4774-05	VN084750.D	11/08/2024	15:20
BP-VPB-190-GW-638-640	P4774-06	VN084751.D	11/08/2024	15:44
BP-VPB-190-GW-658-660	P4774-07	VN084752.D	11/08/2024	16:08
VSTDCCC050EC	VSTDCCC050	VN084761.D	11/08/2024	19:44

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.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084762.D BFB Injection Date: 11/11/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:21

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	16.1
75	30.0 - 60.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	71.4 (97.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084763.D	11/11/2024	10:54
VN1111WBL01	VN1111WBL01	VN084765.D	11/11/2024	12:30
VN1111WBS01	VN1111WBS01	VN084766.D	11/11/2024	12:54
BP-VPB-190-GW-638-640DL	P4774-06DL	VN084767.D	11/11/2024	13:18
BP-VPB-190-GW-658-660DL	P4774-07DL	VN084768.D	11/11/2024	13:42
VSTDCCC050EC	VSTDCCC050	VN084787.D	11/11/2024	21:18

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084737.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_N Time Analyzed: 09:39

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	183021	8.22	298323	9.10	261810	11.87
UPPER LIMIT	366042	8.718	596646	9.6	523620	12.365
LOWER LIMIT	91510.5	7.718	149162	8.6	130905	11.365
EPA SAMPLE NO.						
BP-VPB-190-TB-20241105	164125	8.22	293667	9.10	256546	11.87
VPB190-HYD-20241106	177086	8.22	308440	9.10	278450	11.87
BP-VPB-190-EB-20241106	172082	8.22	302375	9.10	260963	11.87
BP-VPB-190-DUP-20241105	176583	8.22	310479	9.10	273960	11.87
BP-VPB-190-GW-618-620	169679	8.22	301356	9.10	259431	11.87
BP-VPB-190-GW-638-640	176262	8.22	311946	9.10	280107	11.87
BP-VPB-190-GW-658-660	174093	8.22	304174	9.10	278360	11.87
VN1108WBL01	170398	8.22	297081	9.10	255691	11.87
VN1108WBS01	174962	8.22	291201	9.10	262615	11.87
VN1108WBSD01	163813	8.22	277196	9.09	246235	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084737.D Date Analyzed: 11/08/2024

Instrument ID: MSVOA_N Time Analyzed: 09:39

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

	IS4 AREA #	RT #				
12 HOUR STD	135765	13.788				
UPPER LIMIT	271530	14.288				
LOWER LIMIT	67882.5	13.288				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241105	111909	13.79				
VPB190-HYD-20241106	131449	13.79				
BP-VPB-190-EB-20241106	112988	13.79				
BP-VPB-190-DUP-20241105	123463	13.79				
BP-VPB-190-GW-618-620	121391	13.79				
BP-VPB-190-GW-638-640	129789	13.79				
BP-VPB-190-GW-658-660	129510	13.79				
VN1108WBL01	113797	13.79				
VN1108WBS01	135553	13.79				
VN1108WBSD01	120765	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084763.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_N Time Analyzed: 10:54

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	166446	8.22	270648	9.10	238712	11.87
UPPER LIMIT	332892	8.718	541296	9.6	477424	12.365
LOWER LIMIT	83223	7.718	135324	8.6	119356	11.365
EPA SAMPLE NO.						
BP-VPB-190-GW-638-640DL	154512	8.22	263580	9.10	234257	11.87
BP-VPB-190-GW-658-660DL	168500	8.22	290288	9.10	257812	11.87
VN1111WBL01	167136	8.22	283115	9.10	253987	11.87
VN1111WBS01	167933	8.22	269161	9.10	238228	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG NO.: P4774

Lab File ID: VN084763.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_N Time Analyzed: 10:54

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

	IS4 AREA #	RT #				
12 HOUR STD	124434	13.788				
UPPER LIMIT	248868	14.288				
LOWER LIMIT	62217	13.288				
EPA SAMPLE NO.						
BP-VPB-190-GW-638-640DL	103754	13.79				
BP-VPB-190-GW-658-660DL	117948	13.79				
VN1111WBL01	115446	13.79				
VN1111WBS01	123082	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

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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-TB-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084746.D	1		11/08/24 13:44	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-TB-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084746.D	1		11/08/24 13:44	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.4		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	8.218				
540-36-3	1,4-Difluorobenzene	294000	9.1				
3114-55-4	Chlorobenzene-d5	257000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-TB-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084746.D	1		11/08/24 13:44	VN110824

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\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Quant Time: Nov 08 22:30:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

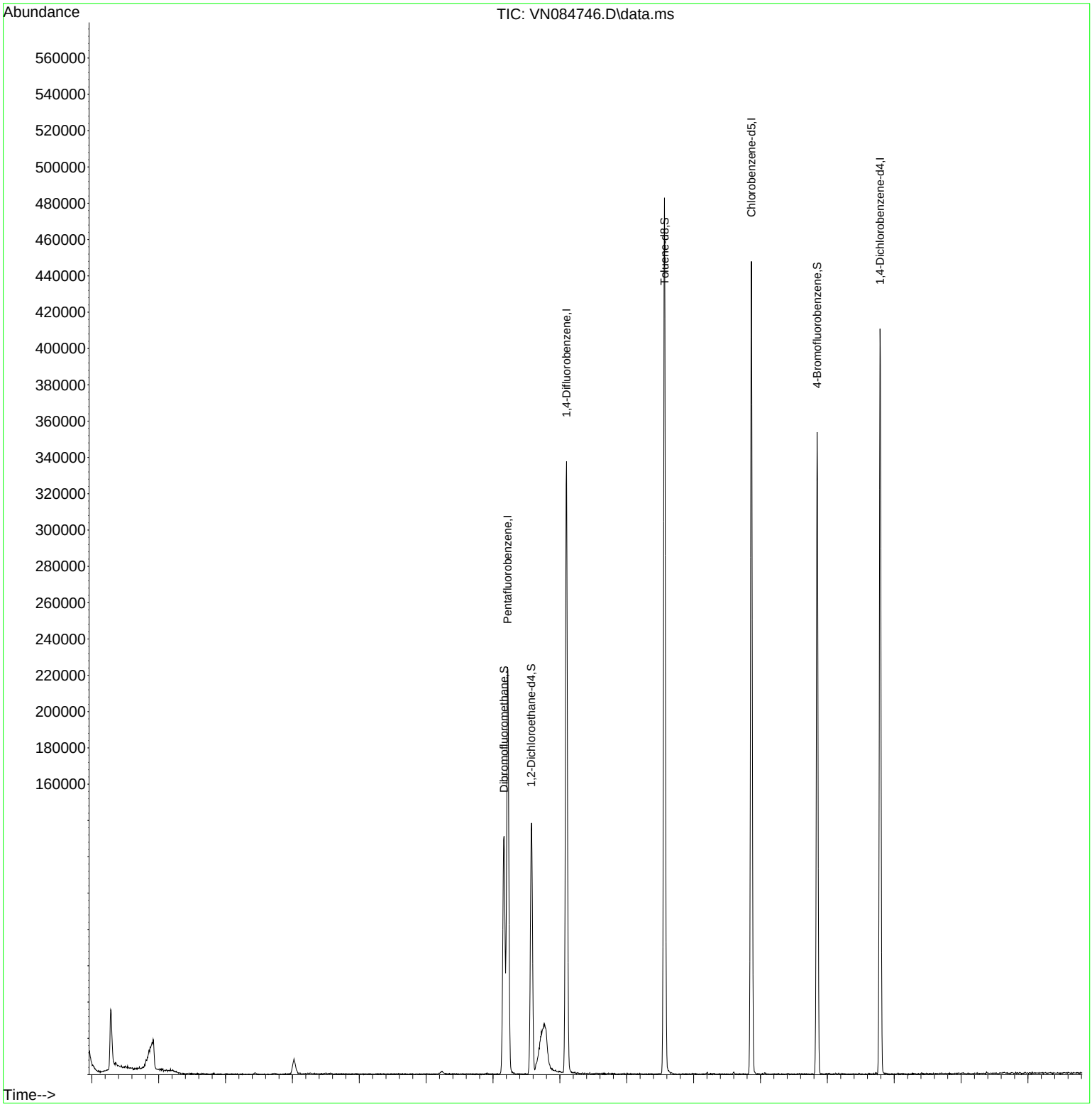
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	164125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	117110	49.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.800%			
35) Dibromofluoromethane	8.165	113	96422	48.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.020%			
50) Toluene-d8	10.565	98	332676	45.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.860%			
62) 4-Bromofluorobenzene	12.847	95	125399	45.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.640%			
Target Compounds						Qvalue
18) Methyl Acetate	5.024	43	16971	3.035	ug/l	98

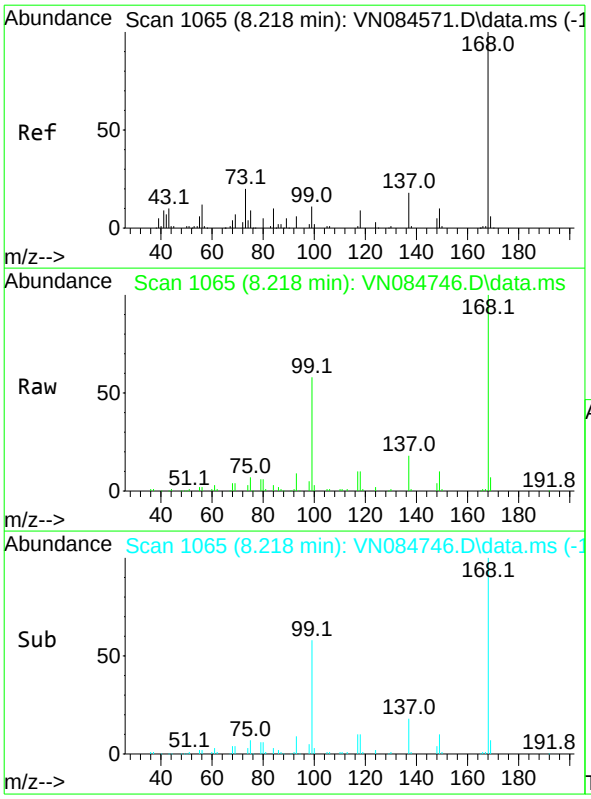
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Quant Time: Nov 08 22:30:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



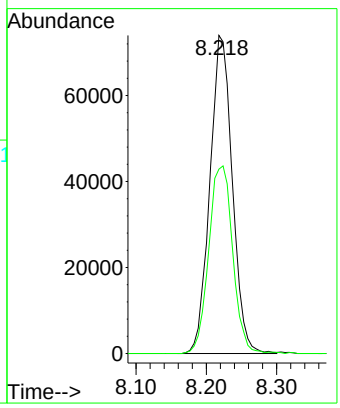


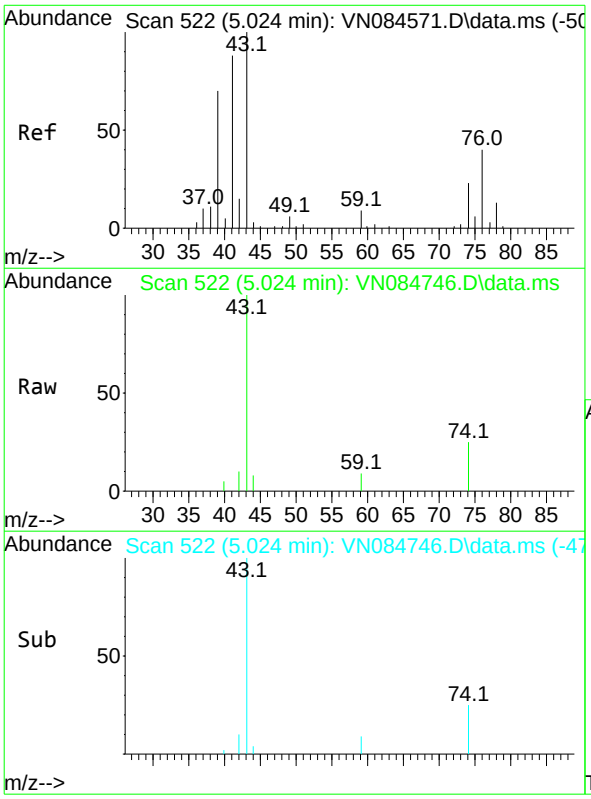
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Tgt Ion:168 Resp: 164125

Ion	Ratio	Lower	Upper
168	100		
99	58.0	54.2	81.2

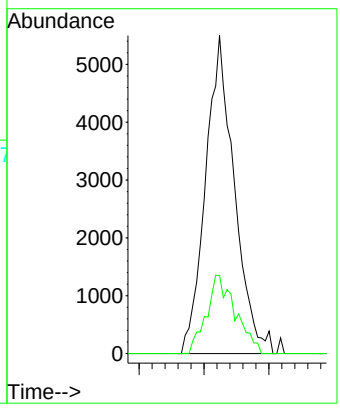


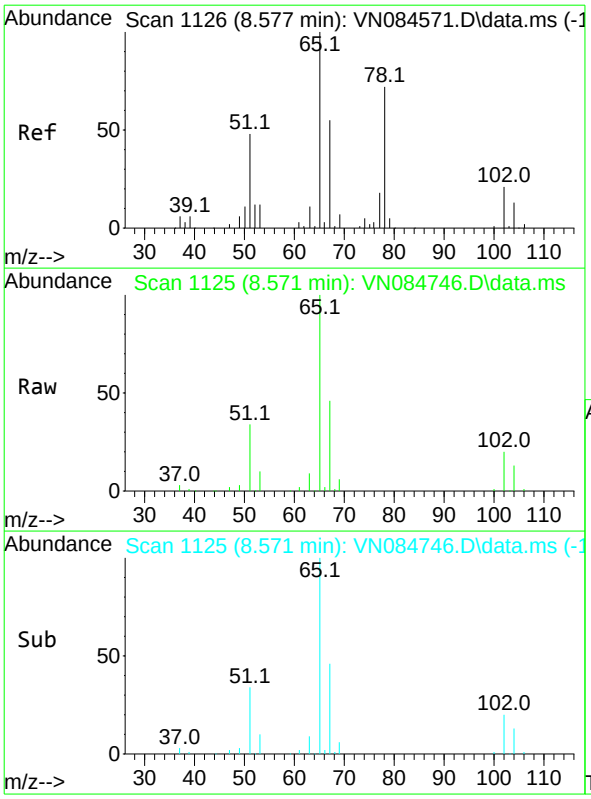


#18
Methyl Acetate
Concen: 3.035 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Tgt Ion: 43 Resp: 16971

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8



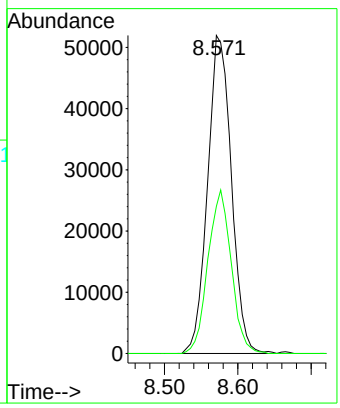


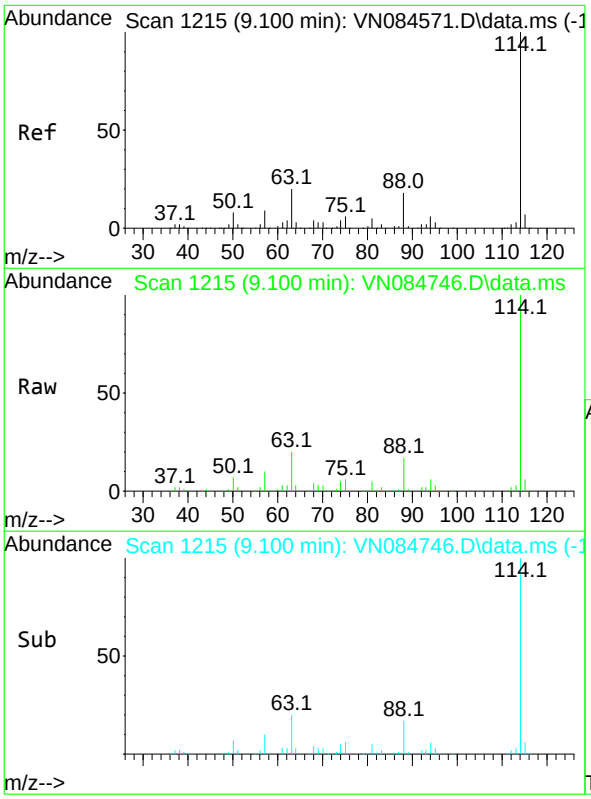
#33
1,2-Dichloroethane-d4
Concen: 49.403 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Tgt Ion: 65 Resp: 117110

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	102.0

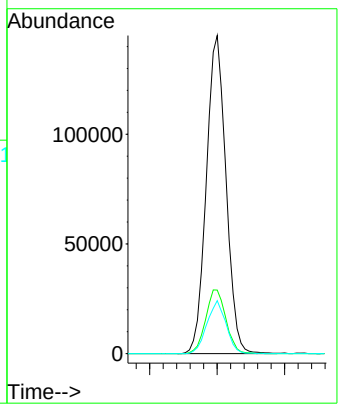


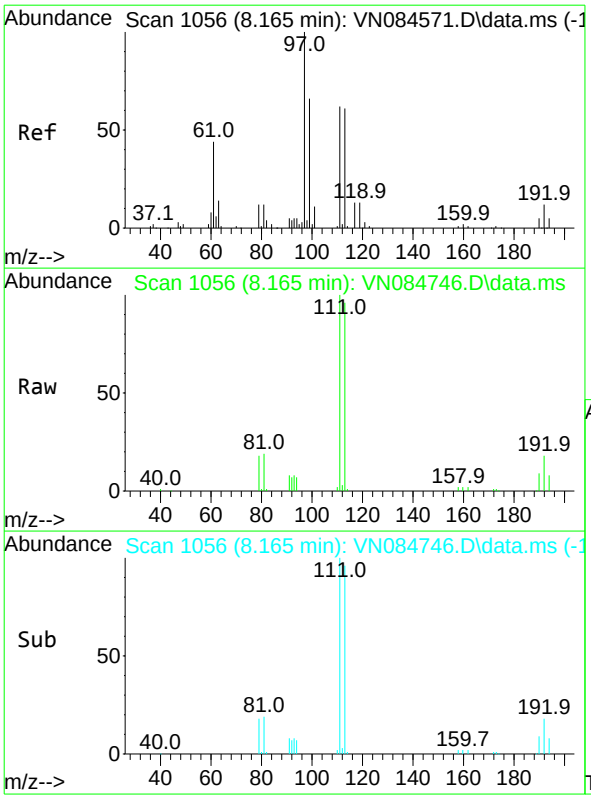


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Tgt Ion:114 Resp: 293667

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.6	0.0	31.6



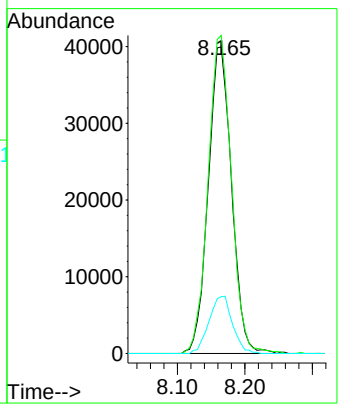


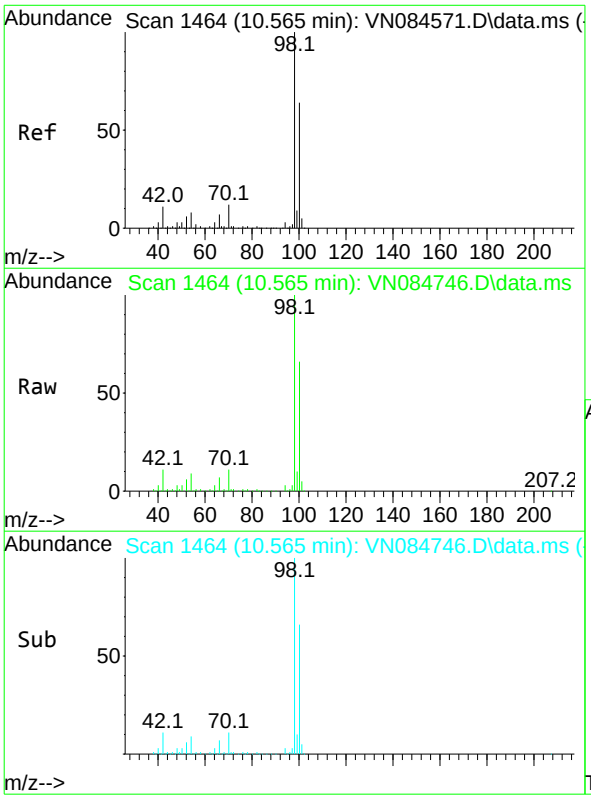
#35
Dibromofluoromethane
Concen: 48.508 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Tgt Ion:113 Resp: 96422

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	18.7	13.5	20.3

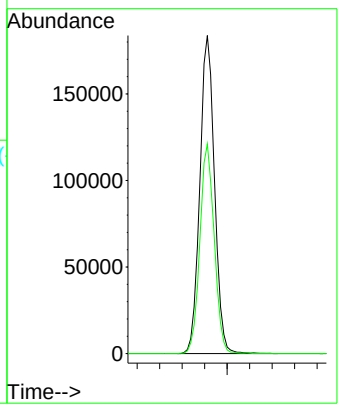


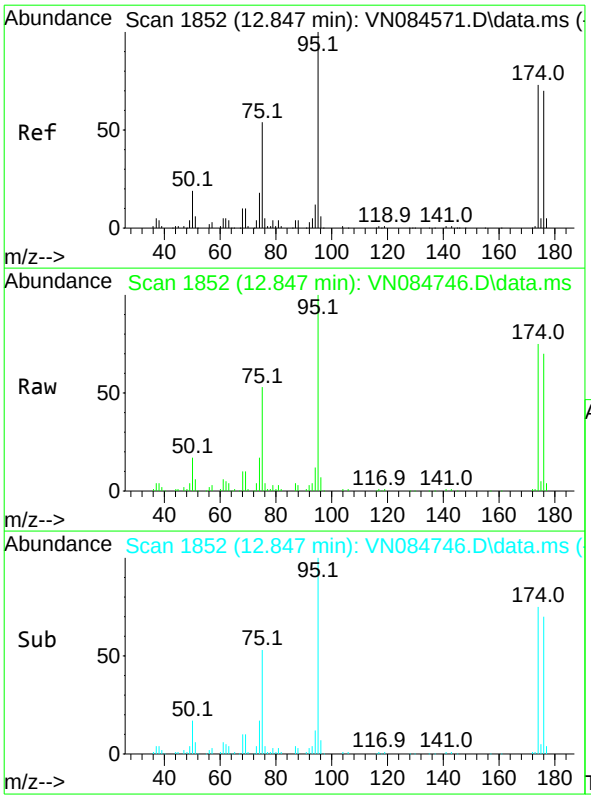


#50
Toluene-d8
Concen: 45.433 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Tgt Ion: 98 Resp: 332676

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1



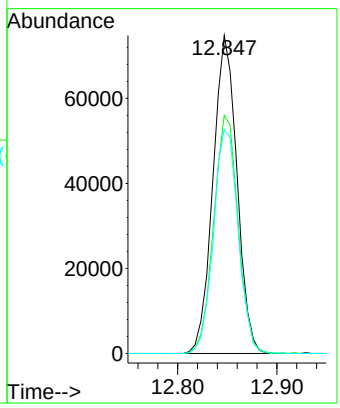


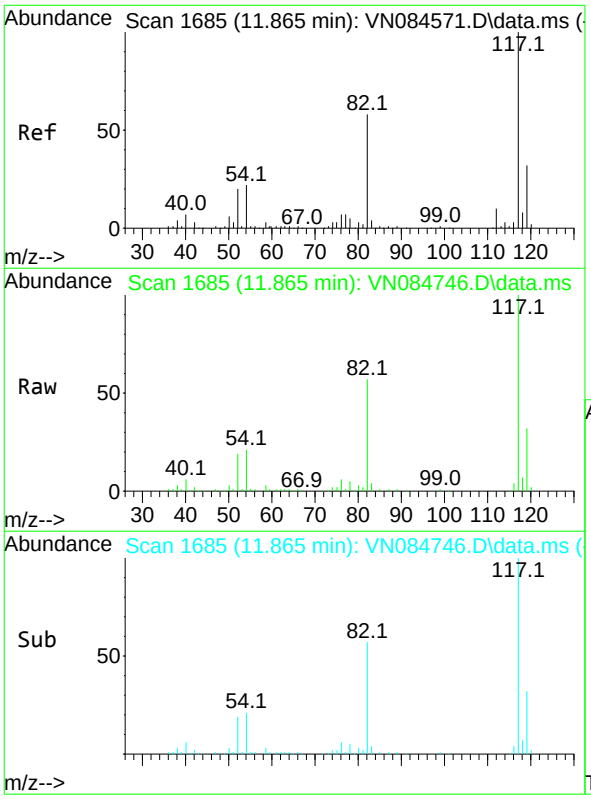
#62
4-Bromofluorobenzene
Concen: 45.823 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Tgt Ion: 95 Resp: 125399

Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	145.2
176	72.7	0.0	140.0

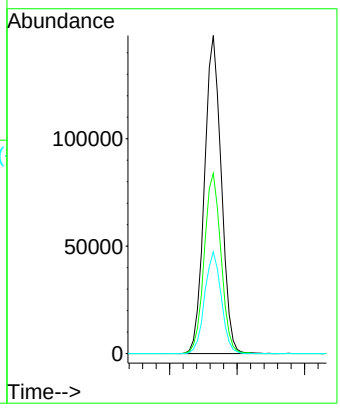


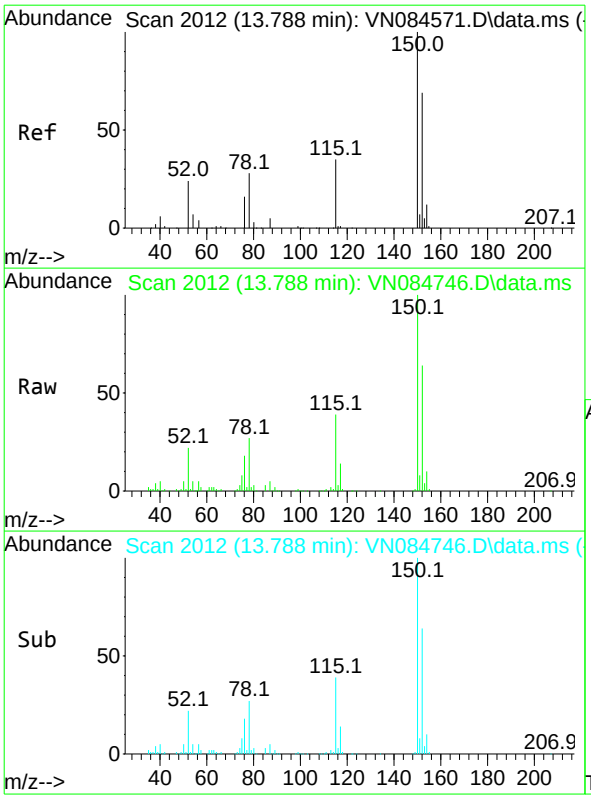


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Tgt Ion:117 Resp: 256546

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	32.0	25.4	38.0



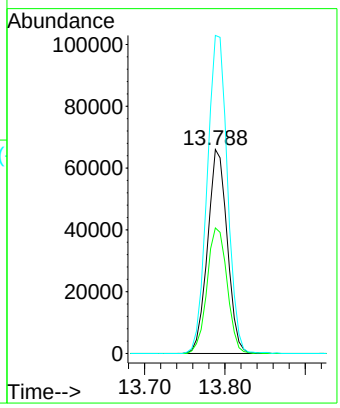


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084746.D
Acq: 08 Nov 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Tgt Ion:152 Resp: 111909

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	160.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084746.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	50	56	67	rBV2	33219	76154	8.70%	1.540%
2	2.859	148	154	155	rBV3	5978	9365	1.07%	0.189%
3	5.024	512	522	534	rBV	8273	25624	2.93%	0.518%
4	8.165	1045	1056	1060	rBV2	130872	310171	35.45%	6.274%
5	8.218	1060	1065	1079	rVB	223535	507096	57.96%	10.257%
6	8.577	1117	1126	1134	rBV	138326	313593	35.84%	6.343%
7	8.724	1134	1151	1152	rBV2	21164	63512	7.26%	1.285%
8	9.100	1206	1215	1229	rVB	336901	685765	78.38%	13.870%
9	10.565	1455	1464	1474	rBV	482573	874917	100.00%	17.696%
10	11.865	1677	1685	1699	rBV	447793	778052	88.93%	15.737%
11	12.847	1842	1852	1861	rBV	353743	599217	68.49%	12.120%
12	13.788	2005	2012	2024	rBV	410783	700614	80.08%	14.171%

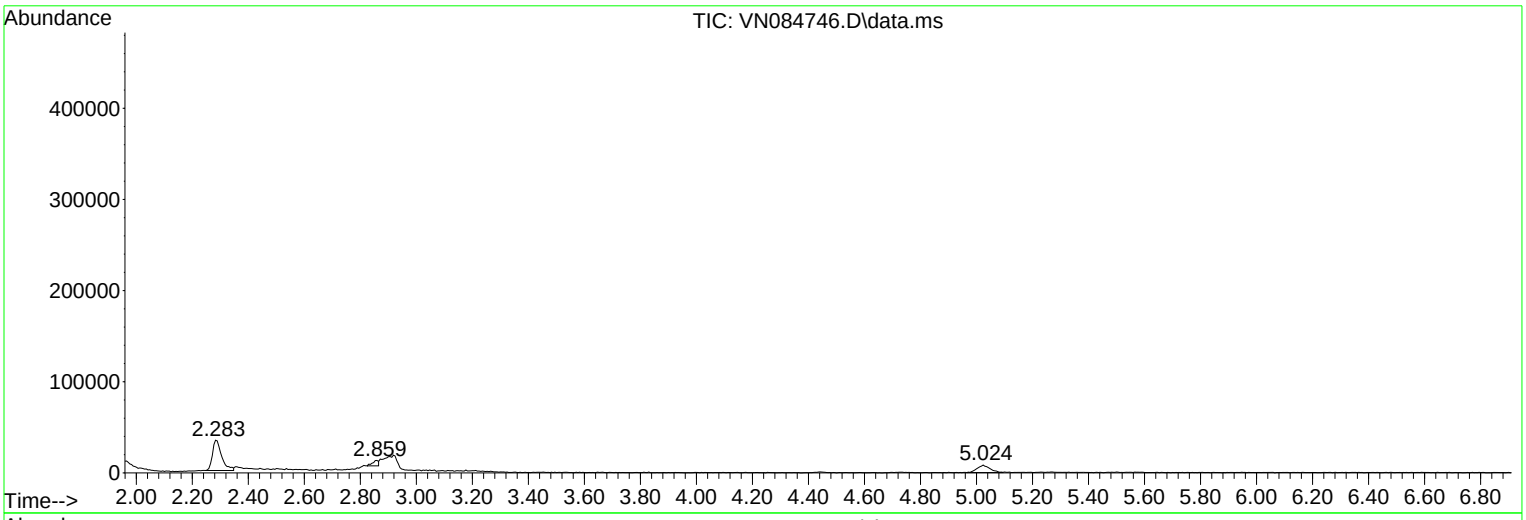
Sum of corrected areas: 4944080

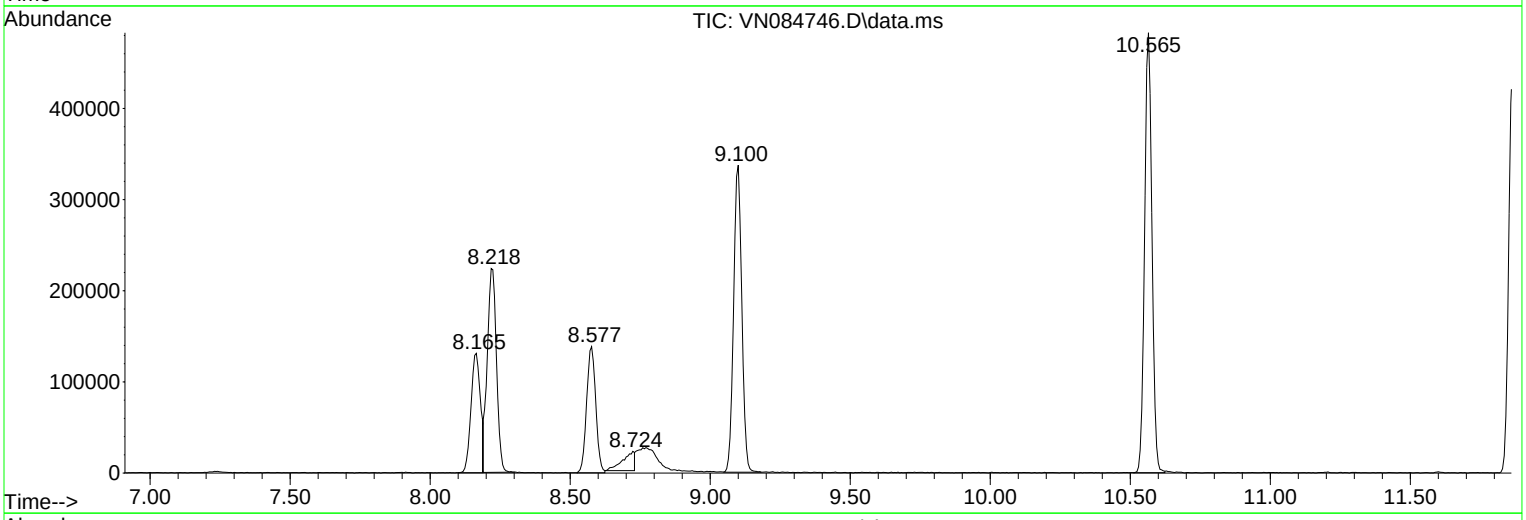
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

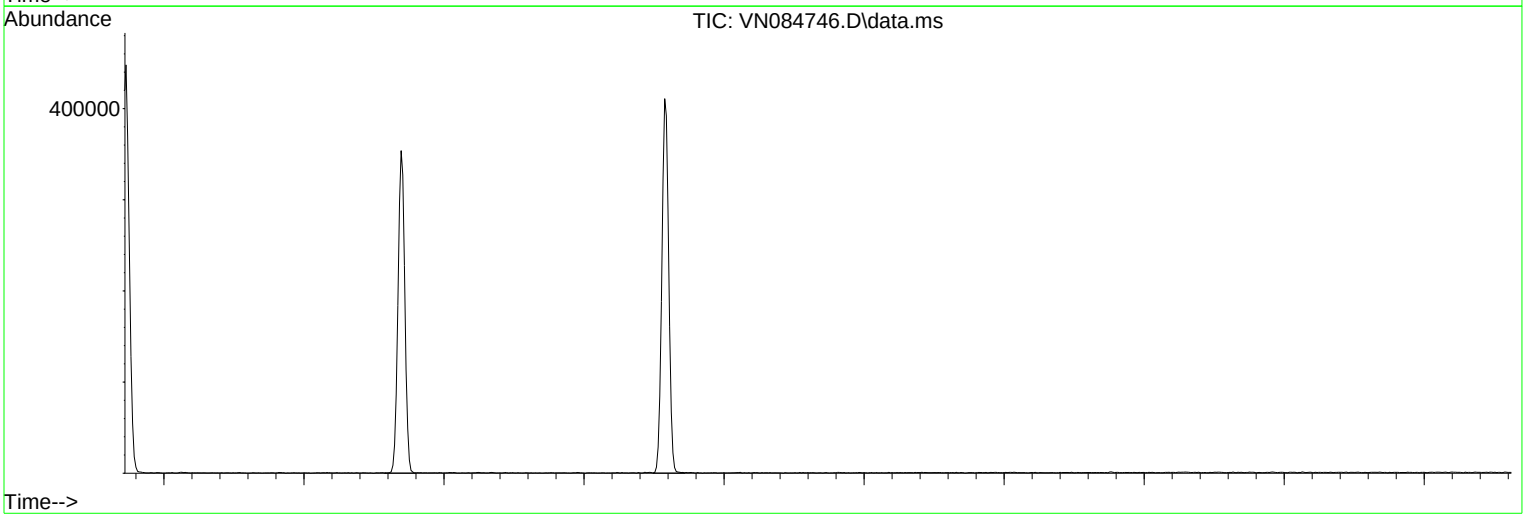
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084746.D
Acq On : 08 Nov 2024 13:44
Operator : JC\MD
Sample : P4774-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	VPB190-HYD-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084747.D	1		11/08/24 14:08	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	VPB190-HYD-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084747.D	1		11/08/24 14:08	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.7		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	8.224				
540-36-3	1,4-Difluorobenzene	308000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	VPB190-HYD-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-02	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084747.D	1		11/08/24 14:08	VN110824

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\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Quant Time: Nov 08 22:30:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124987	48.867	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.740%			
35) Dibromofluoromethane	8.165	113	100927	48.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	10.565	98	351785	45.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.480%			
62) 4-Bromofluorobenzene	12.847	95	140655	48.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.880%			

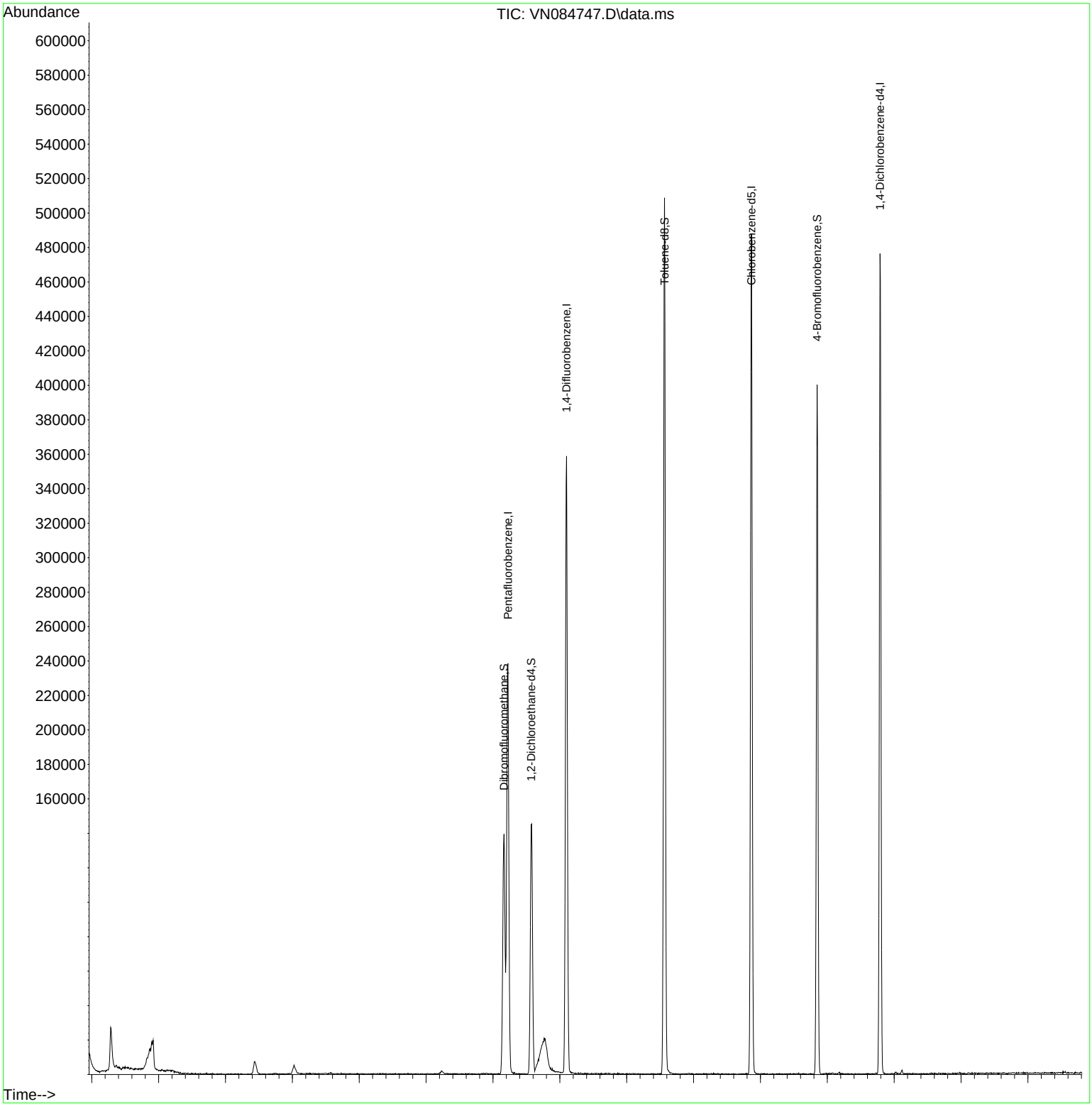
Target Compounds Qvalue

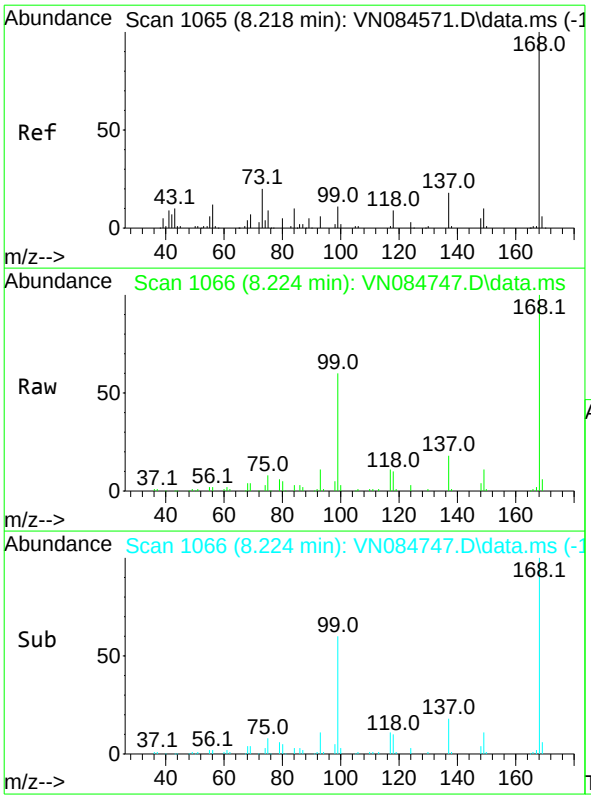
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Quant Time: Nov 08 22:30:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



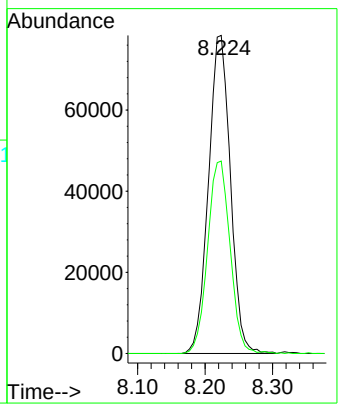


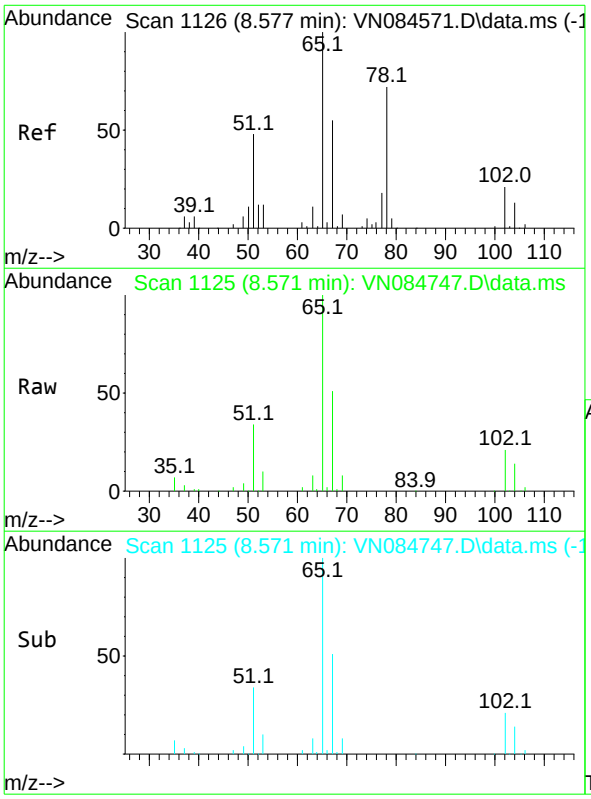
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Tgt Ion:168 Resp: 177086

Ion	Ratio	Lower	Upper
168	100		
99	60.5	54.2	81.2

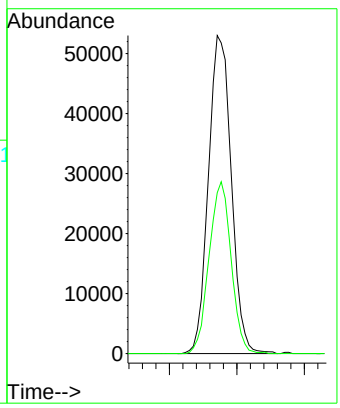


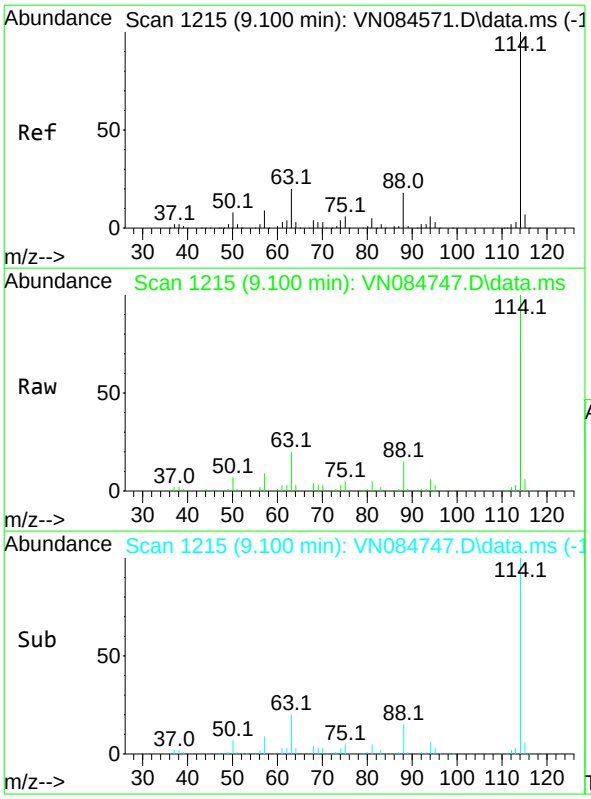


#33
1,2-Dichloroethane-d4
Concen: 48.867 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Tgt Ion: 65 Resp: 124987

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



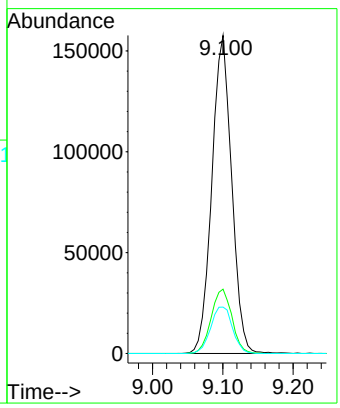


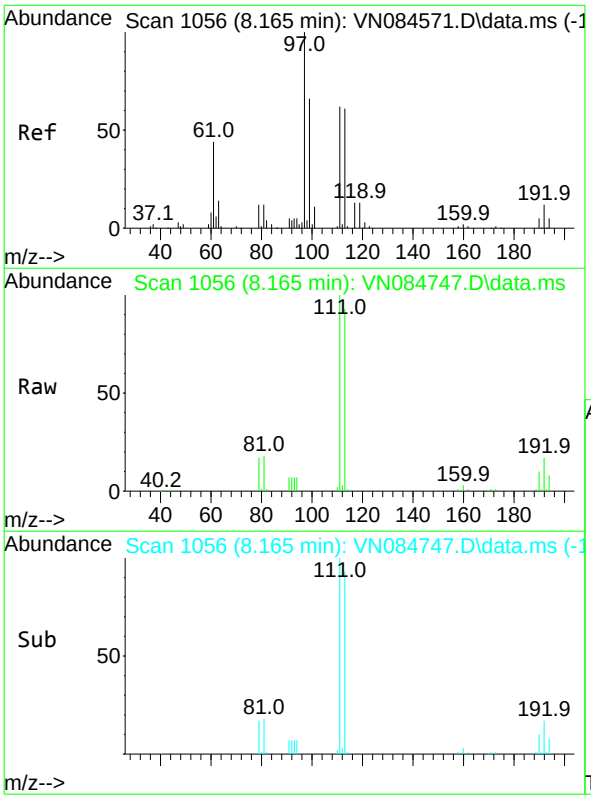
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Tgt Ion:114 Resp: 308440

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	14.6	0.0	31.6

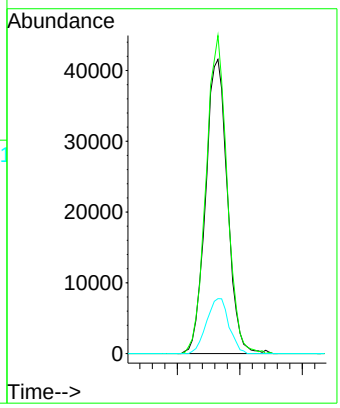


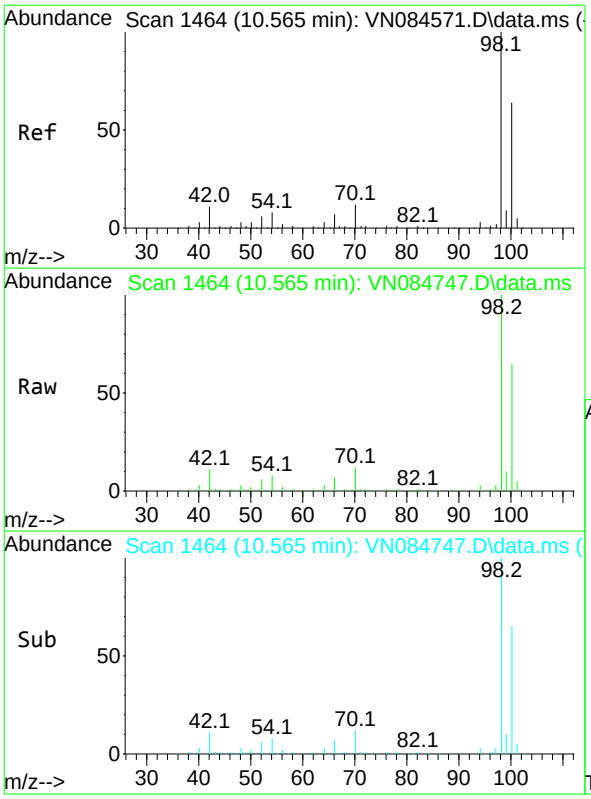


#35
Dibromofluoromethane
Concen: 48.342 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Tgt Ion:113 Resp: 100927

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.3	124.9
192	19.1	13.5	20.3



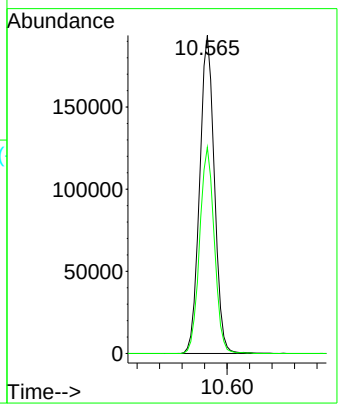


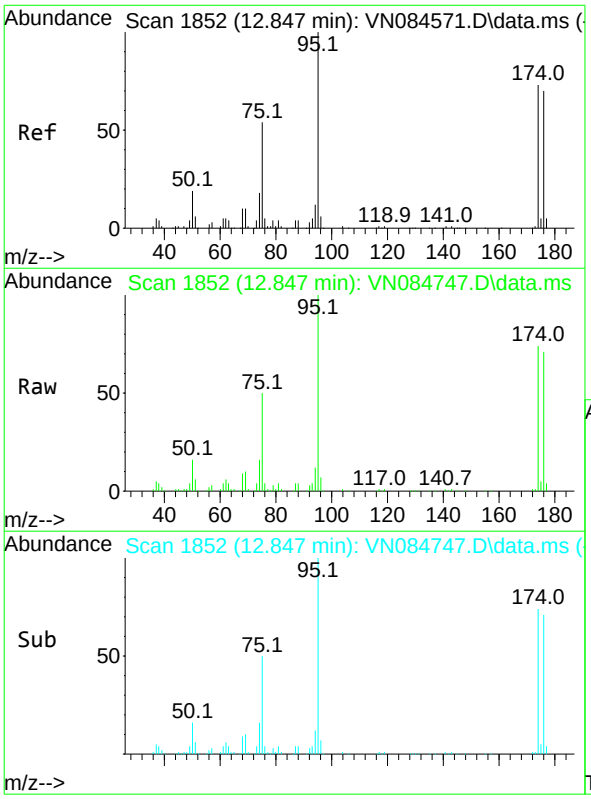
#50
Toluene-d8
Concen: 45.742 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Tgt Ion: 98 Resp: 351785

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1

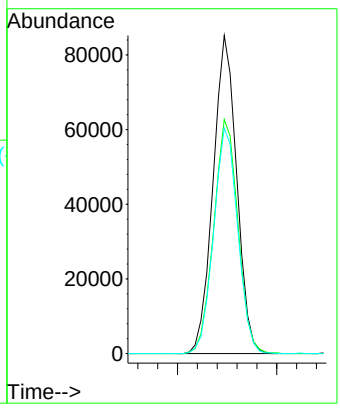


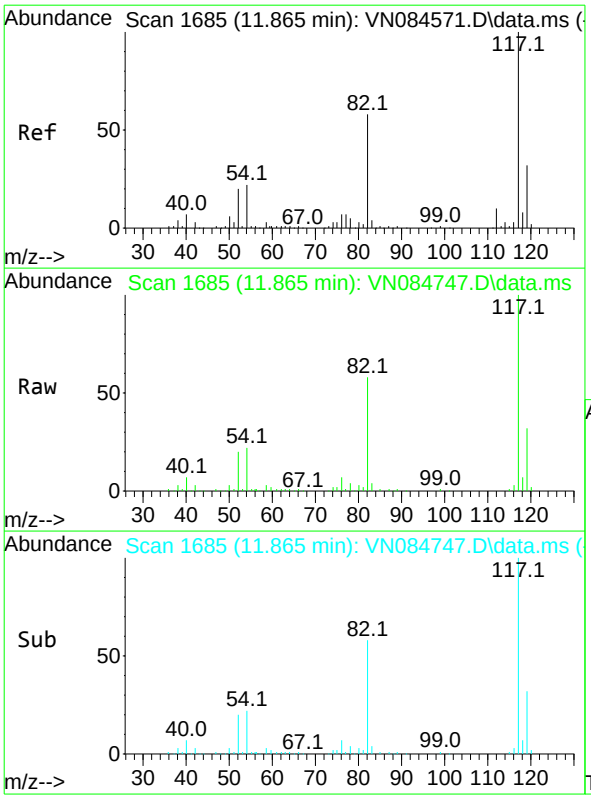


#62
4-Bromofluorobenzene
Concen: 48.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Tgt Ion: 95 Resp: 140655

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	145.2
176	72.3	0.0	140.0



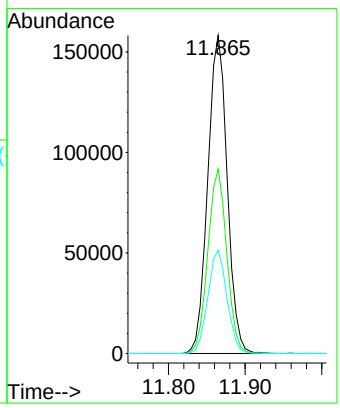


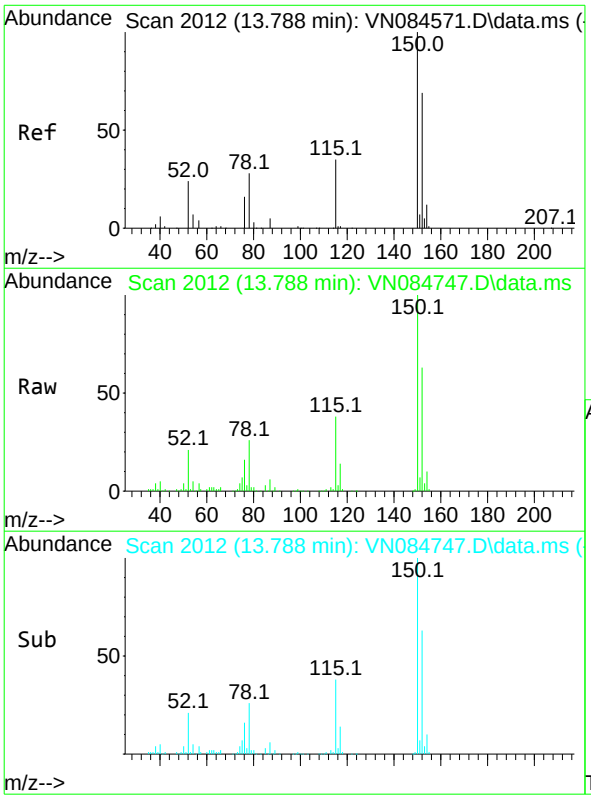
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Tgt Ion:117 Resp: 278450

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	32.5	25.4	38.0

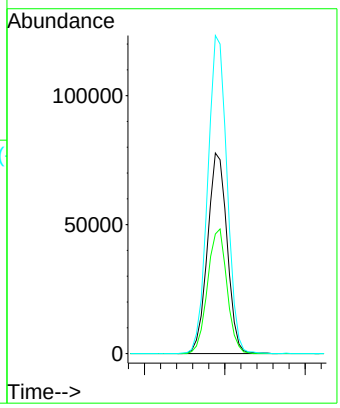




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084747.D
Acq: 08 Nov 2024 14:08

Tgt Ion:152 Resp: 131449

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	156.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084747.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.283	50	56	67	rBV2	24597	56492	6.10%	1.048%
2	2.830	137	149	150	rBV4	6561	14677	1.58%	0.272%
3	2.865	150	155	156	rVV2	11682	20711	2.24%	0.384%
4	2.918	158	164	170	rVB5	16771	40924	4.42%	0.759%
5	4.436	414	422	433	rBV2	7406	21981	2.37%	0.408%
6	5.024	514	522	532	rBV	5088	14081	1.52%	0.261%
7	8.165	1046	1056	1060	rBV2	139175	331395	35.77%	6.146%
8	8.224	1060	1066	1080	rVB	238111	541911	58.49%	10.050%
9	8.577	1114	1126	1134	rBV	145170	336590	36.33%	6.242%
10	8.677	1134	1143	1144	rBV3	6806	13482	1.46%	0.250%
11	8.747	1144	1155	1156	rBV3	11027	29103	3.14%	0.540%
12	9.100	1205	1215	1225	rBV	357868	723257	78.06%	13.414%
13	10.565	1456	1464	1478	rBV	508515	926530	100.00%	17.183%
14	11.865	1677	1685	1697	rBV	487581	852949	92.06%	15.819%
15	12.847	1844	1852	1863	rVB	400150	670097	72.32%	12.428%
16	13.788	2004	2012	2021	rBV	476267	797814	86.11%	14.796%

Sum of corrected areas: 5391994

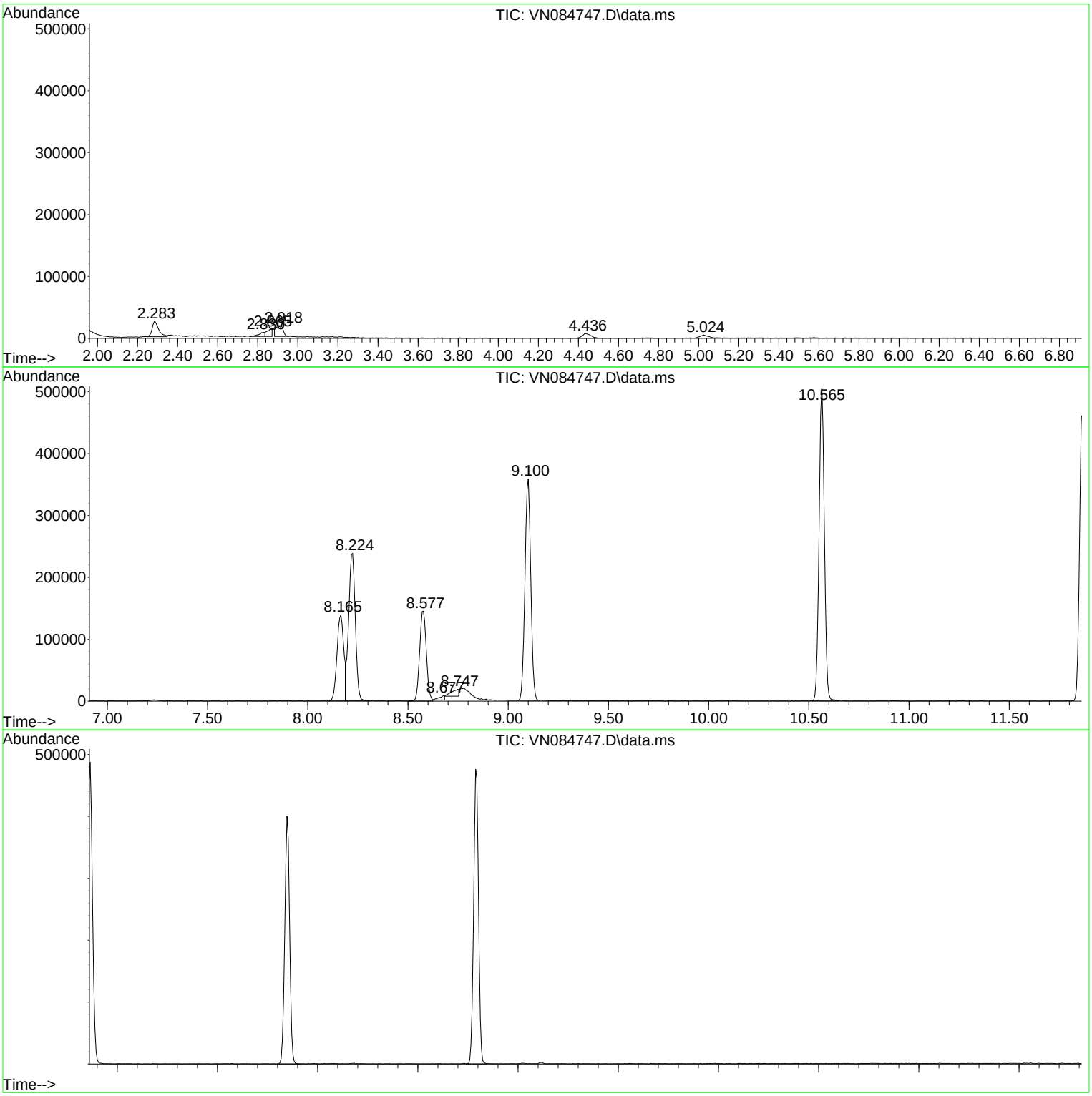
Sample Results: **VN084747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084747.D
Acq On : 08 Nov 2024 14:08
Operator : JC\MD
Sample : P4774-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-EB-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084748.D	1		11/08/24 14:32	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-EB-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084748.D	1		11/08/24 14:32	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	45.7		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	8.224				
540-36-3	1,4-Difluorobenzene	302000	9.1				
3114-55-4	Chlorobenzene-d5	261000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-EB-20241106	SDG No.:	P4774
Lab Sample ID:	P4774-03	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084748.D	1		11/08/24 14:32	VN110824

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\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Quant Time: Nov 08 22:31:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

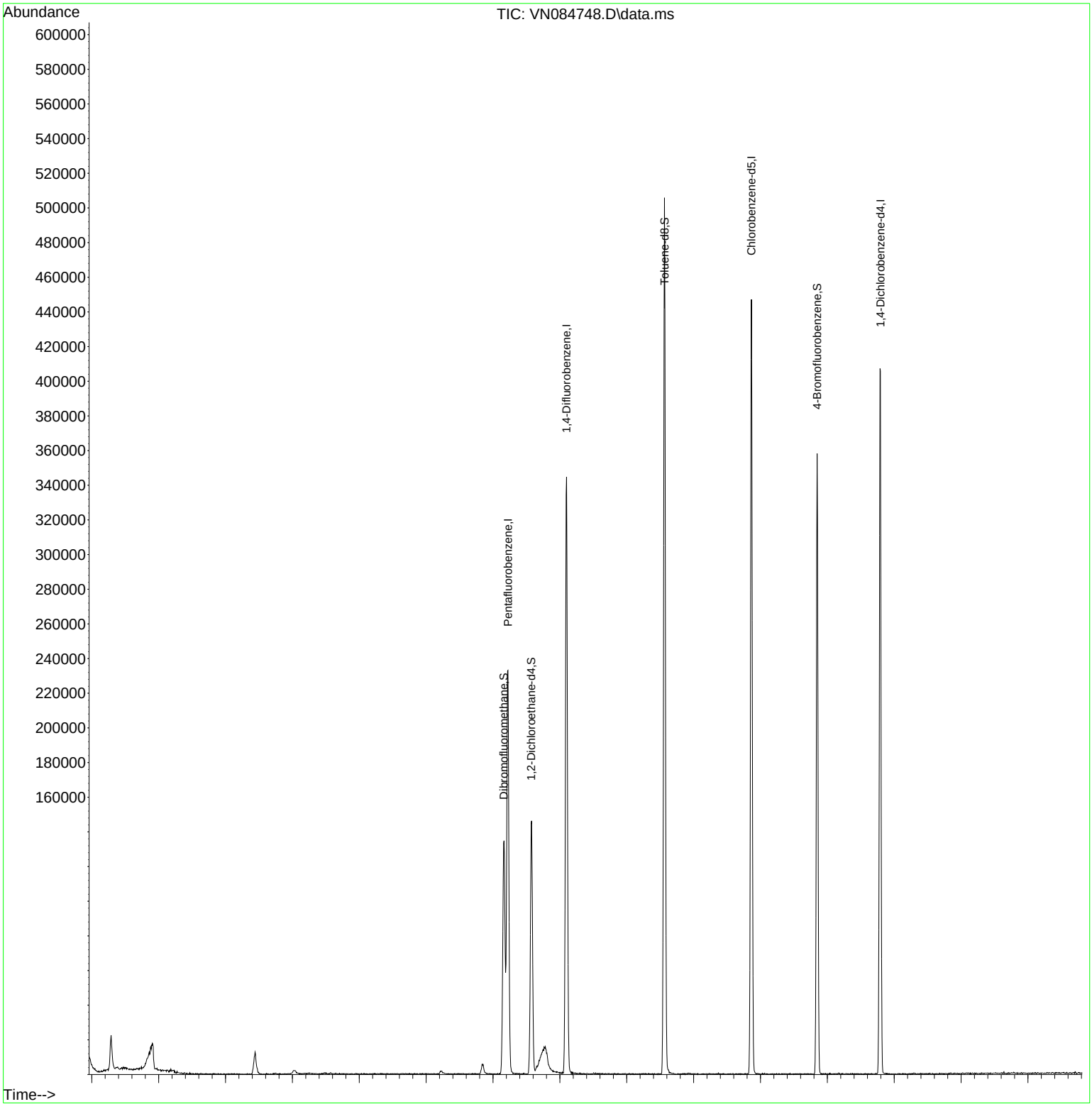
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	172082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121482	48.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.760%		
35) Dibromofluoromethane	8.159	113	100718	49.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.420%		
50) Toluene-d8	10.565	98	344401	45.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.847	95	127539	45.263	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.520%		
Target Compounds						Qvalue
29) Tetrahydrofuran	7.835	42	4345	5.648	ug/l	97

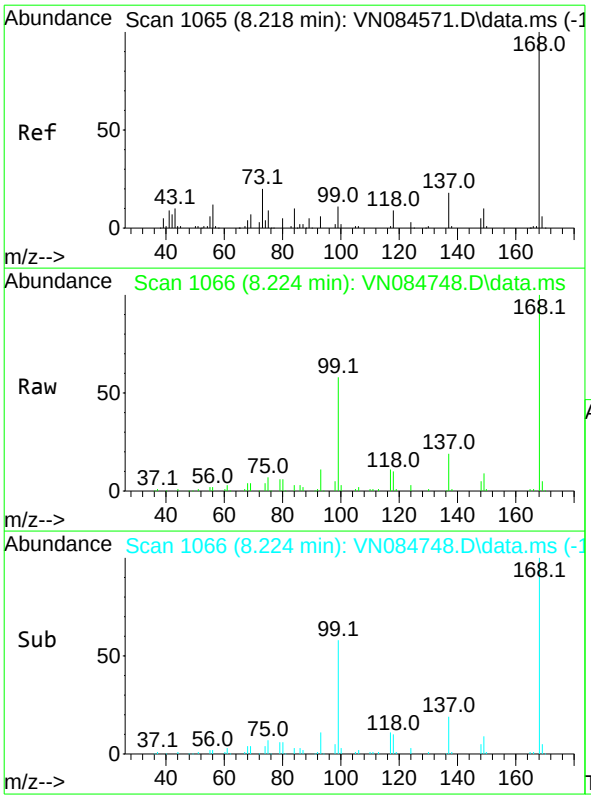
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Quant Time: Nov 08 22:31:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



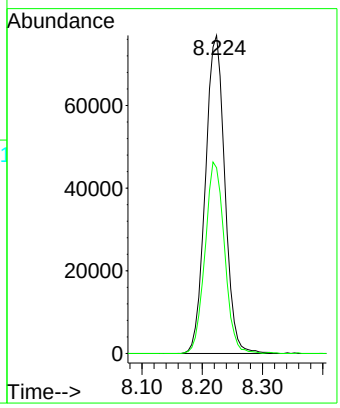


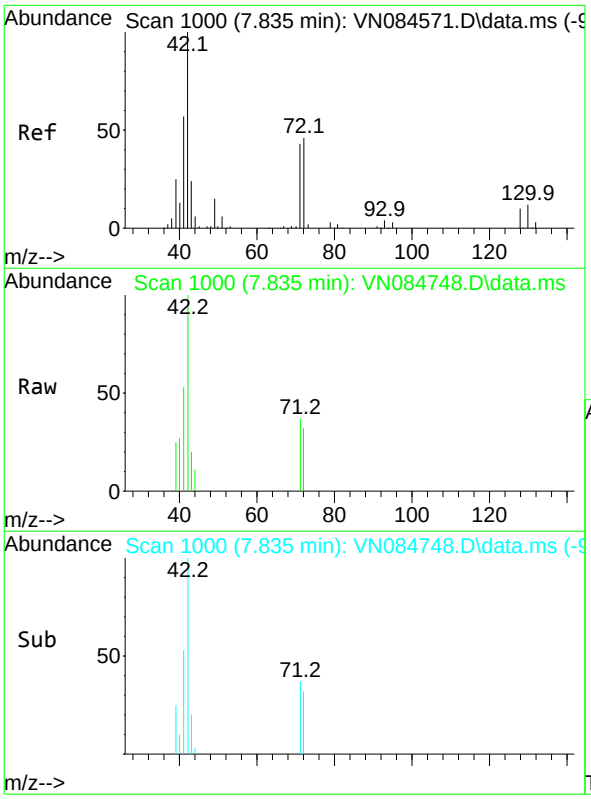
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Tgt Ion:168 Resp: 172082

Ion	Ratio	Lower	Upper
168	100		
99	58.4	54.2	81.2

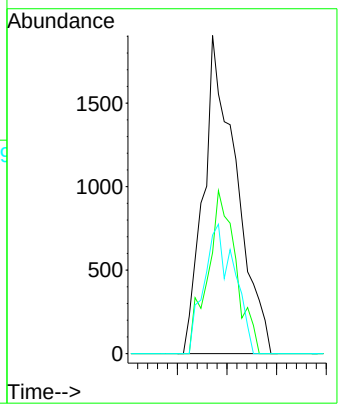


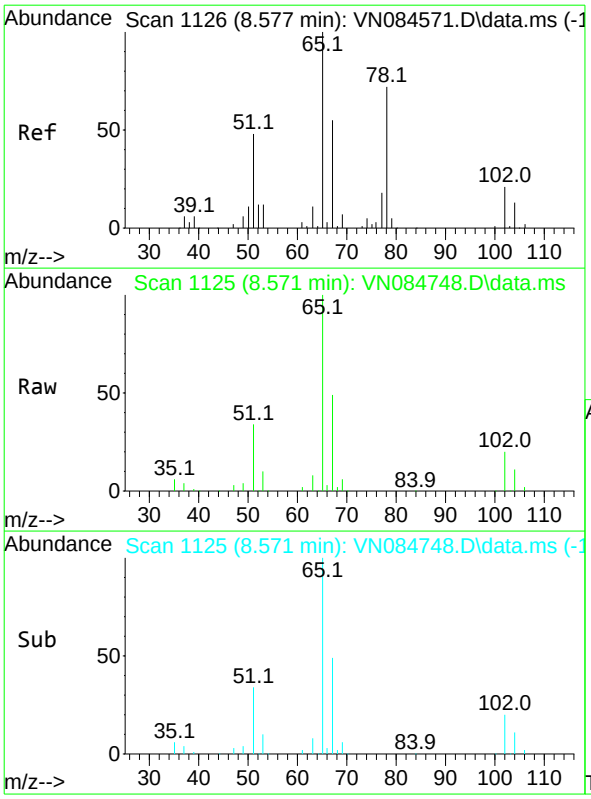


#29
Tetrahydrofuran
Concen: 5.648 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 42 Resp: 4345

Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.6	51.8
71	37.8	32.2	48.4



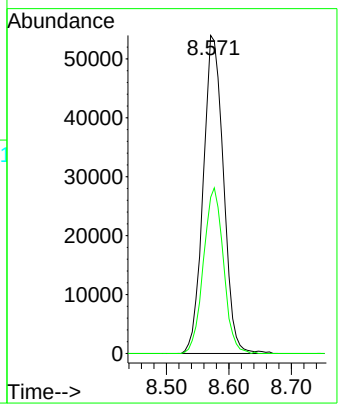


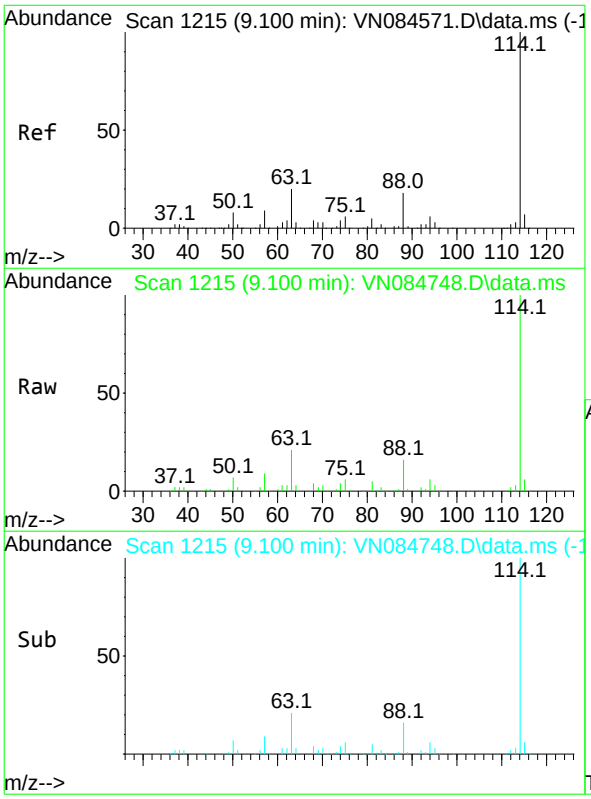
#33
1,2-Dichloroethane-d4
Concen: 48.877 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Tgt Ion: 65 Resp: 121482

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0

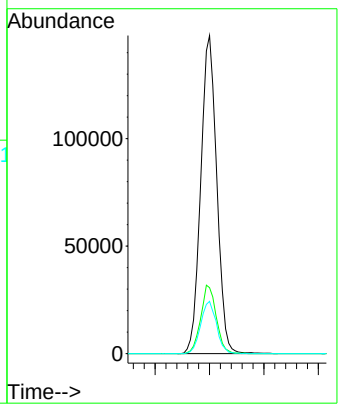


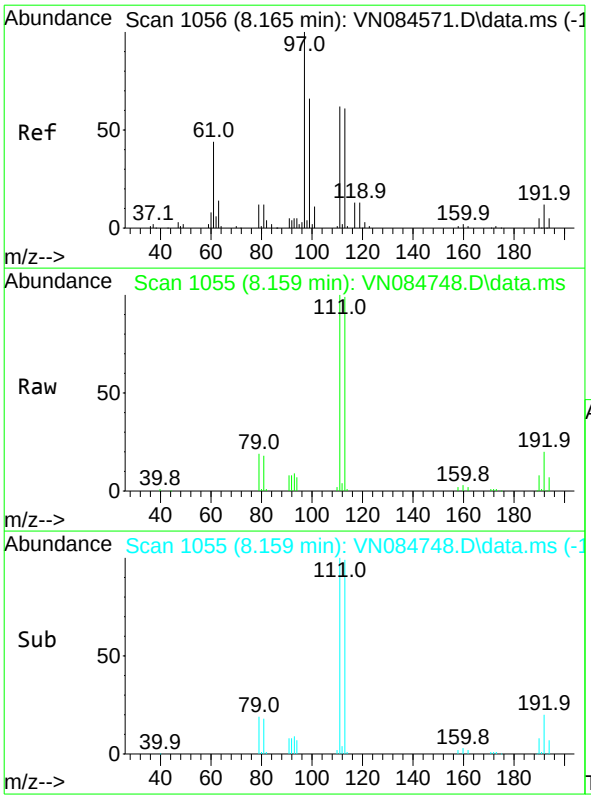


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion:114 Resp: 302375

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	16.4	0.0	31.6



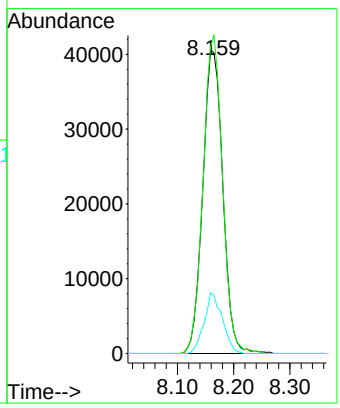


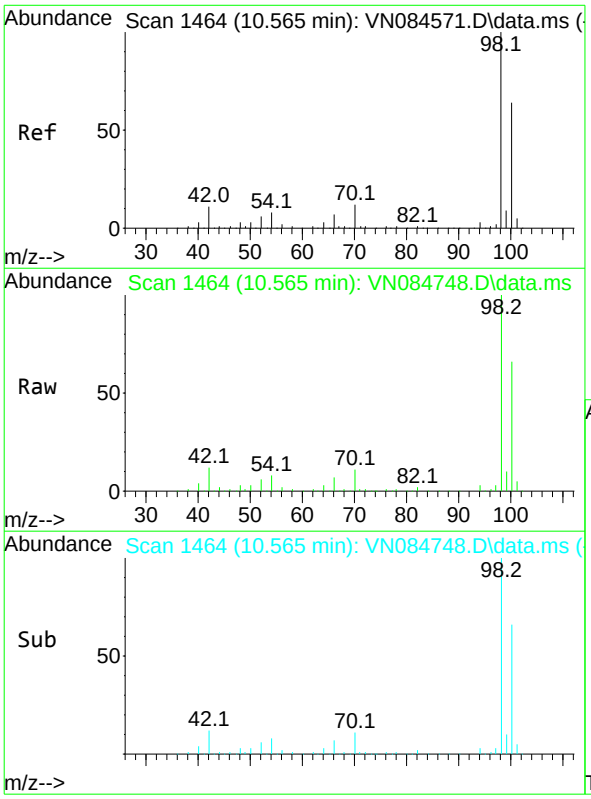
#35
Dibromofluoromethane
Concen: 49.210 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Tgt Ion:113 Resp: 100718

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.3	124.9
192	18.2	13.5	20.3

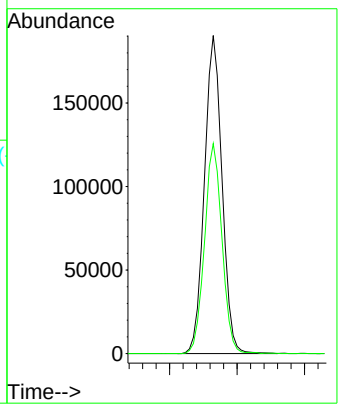


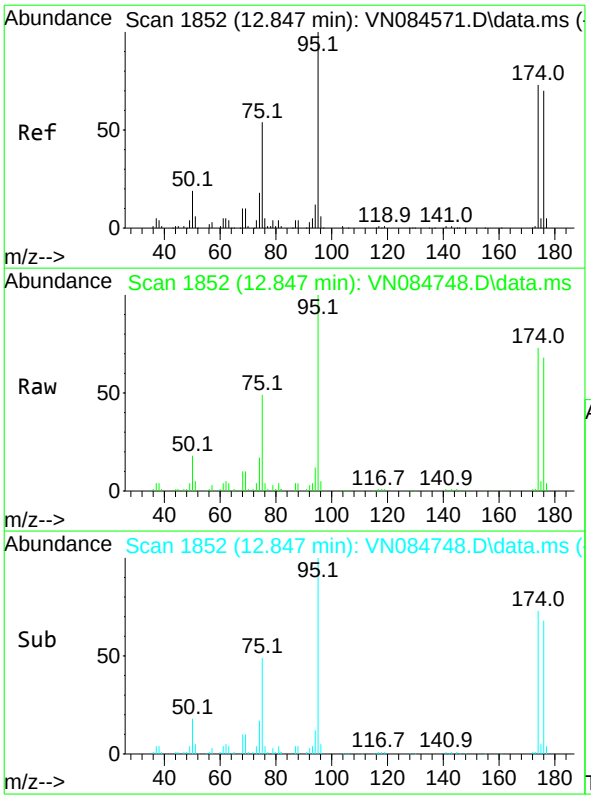


#50
Toluene-d8
Concen: 45.680 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion: 98 Resp: 344401

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



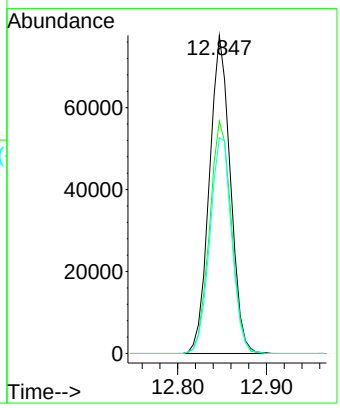


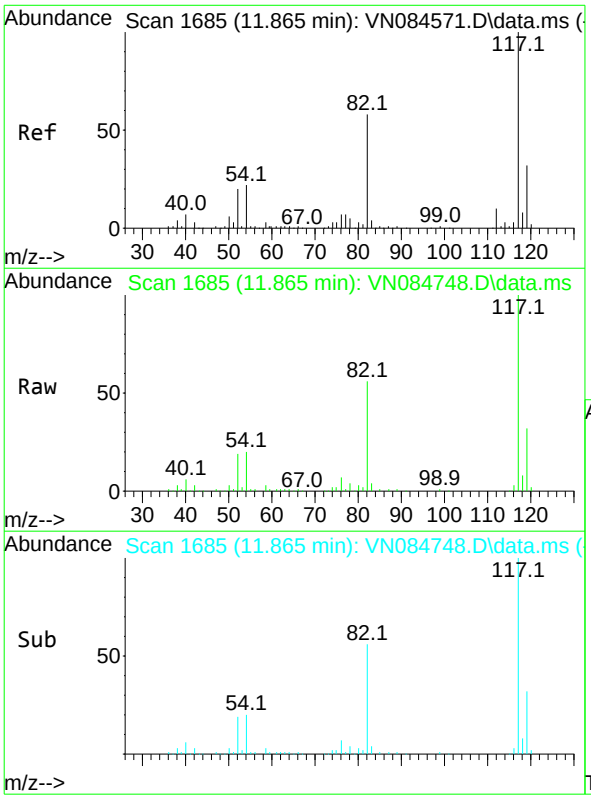
#62
4-Bromofluorobenzene
Concen: 45.263 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Tgt Ion: 95 Resp: 127539

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	145.2
176	70.8	0.0	140.0

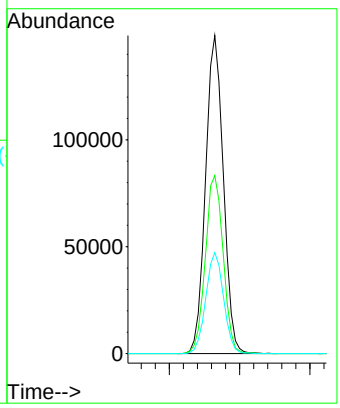


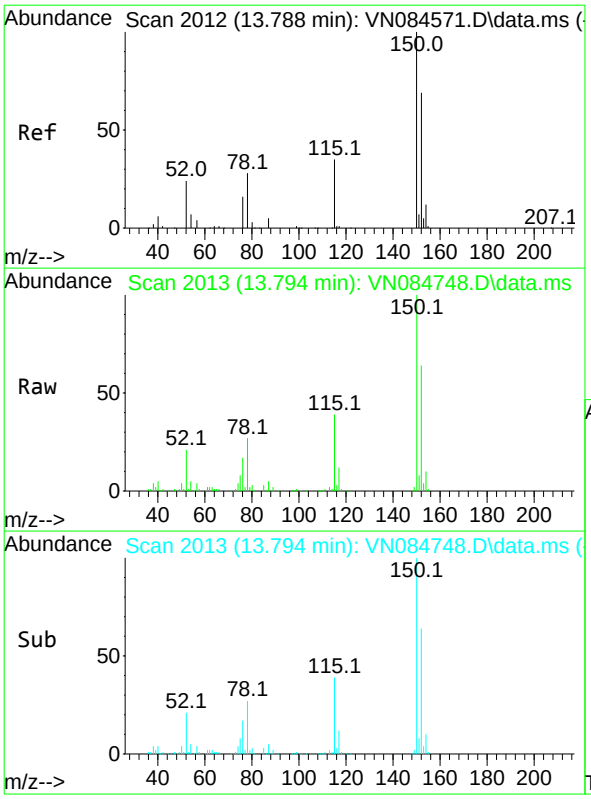


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Tgt Ion:117 Resp: 260963

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.2	70.8
119	31.7	25.4	38.0



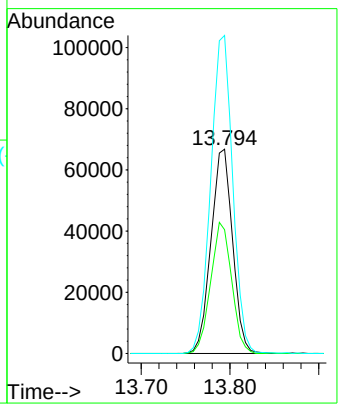


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084748.D
Acq: 08 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Tgt Ion:152 Resp: 112988

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	158.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084748.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV2	20289	43811	4.80%	0.873%
2	2.859	142	154	155	rBV6	8042	19078	2.09%	0.380%
3	4.442	415	423	431	rBV	12690	32480	3.56%	0.647%
4	7.841	993	1001	1013	rBV3	5620	14359	1.57%	0.286%
5	8.165	1046	1056	1060	rBV	134598	323404	35.44%	6.444%
6	8.224	1060	1066	1079	rVB	232761	527377	57.78%	10.508%
7	8.577	1114	1126	1135	rBV	146157	328072	35.95%	6.537%
8	8.688	1135	1145	1146	rBV	5989	11684	1.28%	0.233%
9	8.747	1146	1155	1156	rBV3	6489	13682	1.50%	0.273%
10	9.100	1207	1215	1227	rVB	344327	706449	77.40%	14.075%
11	10.565	1455	1464	1476	rBV	505677	912668	100.00%	18.184%
12	11.865	1677	1685	1697	rVB	447044	791536	86.73%	15.771%
13	12.847	1845	1852	1862	rBV	358095	600987	65.85%	11.974%
14	13.788	2005	2012	2023	rVB	406852	693412	75.98%	13.816%

Sum of corrected areas: 5018999

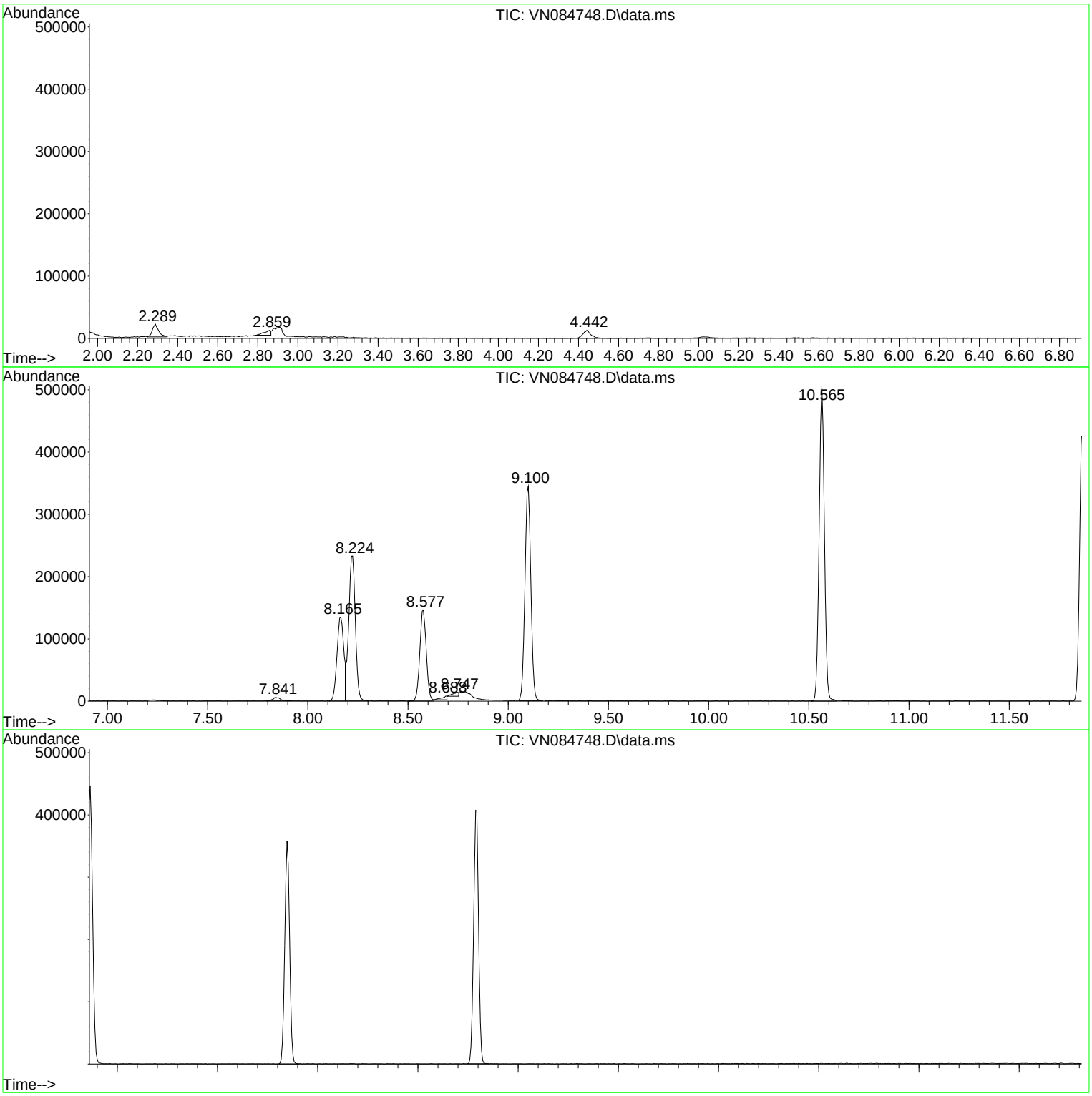
Sample Results: **VN084748.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084748.D
Acq On : 08 Nov 2024 14:32
Operator : JC\MD
Sample : P4774-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241106

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-DUP-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084749.D	1		11/08/24 14:56	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.39	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-DUP-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084749.D	1		11/08/24 14:56	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.3		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	8.218				
540-36-3	1,4-Difluorobenzene	310000	9.1				
3114-55-4	Chlorobenzene-d5	274000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-DUP-20241105	SDG No.:	P4774
Lab Sample ID:	P4774-04	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084749.D	1		11/08/24 14:56	VN110824

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\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Quant Time: Nov 08 22:31:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

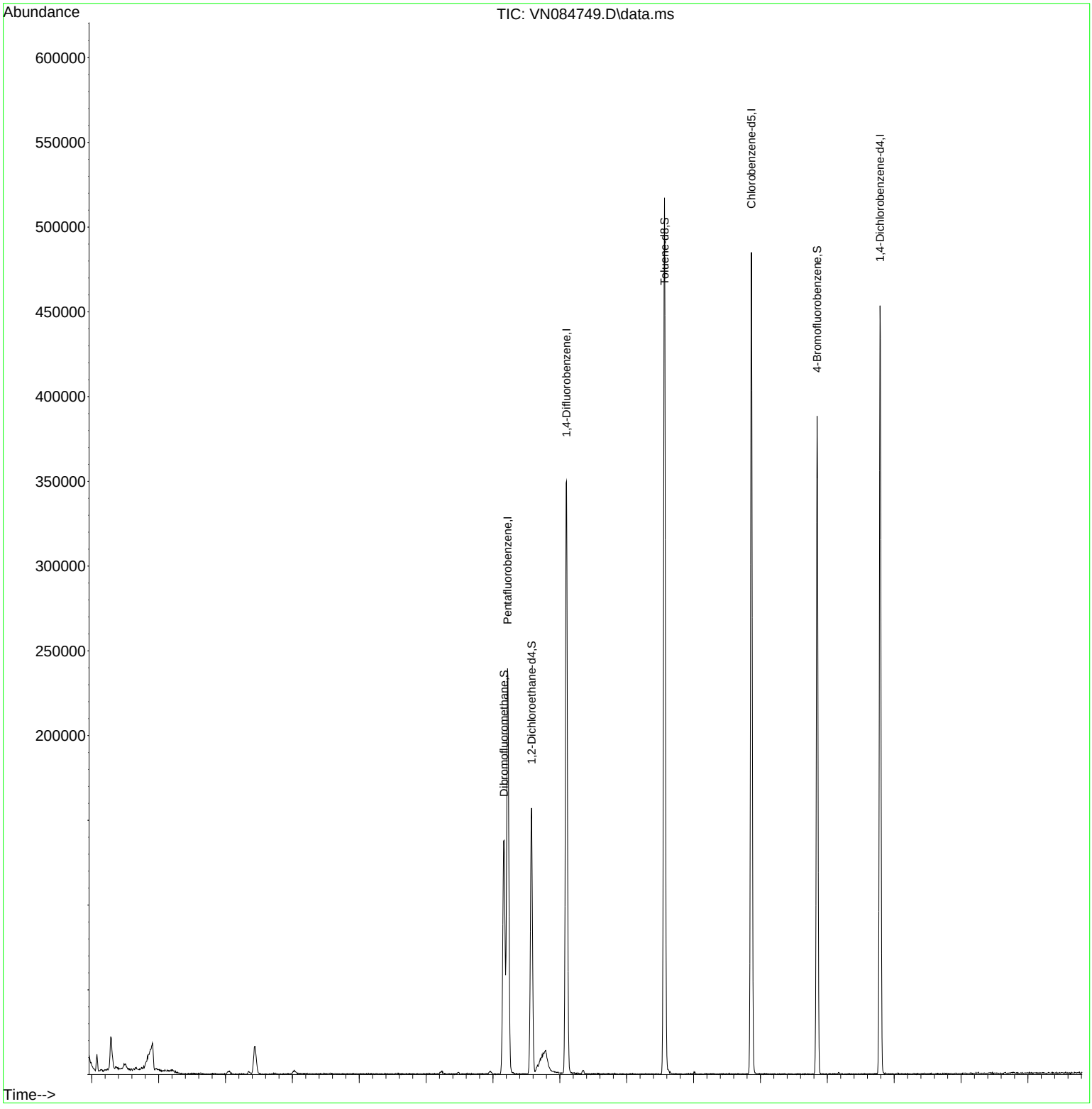
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126348	49.539	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.080%		
35) Dibromofluoromethane	8.165	113	102080	48.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	10.565	98	358668	46.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.660%		
62) 4-Bromofluorobenzene	12.847	95	135882	46.965	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.940%		
Target Compounds						Qvalue
44) Trichloroethene	9.353	130	842	0.390	ug/l	96

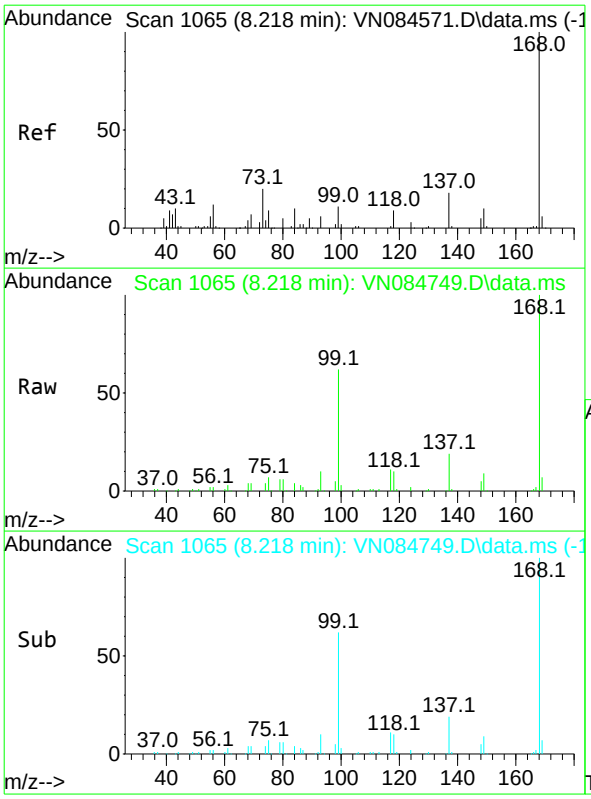
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Quant Time: Nov 08 22:31:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



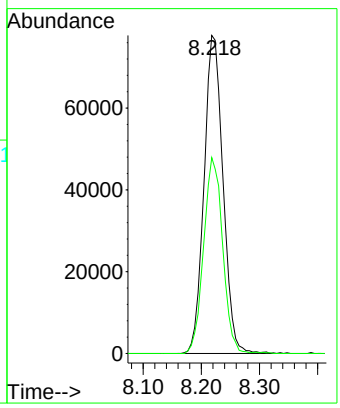


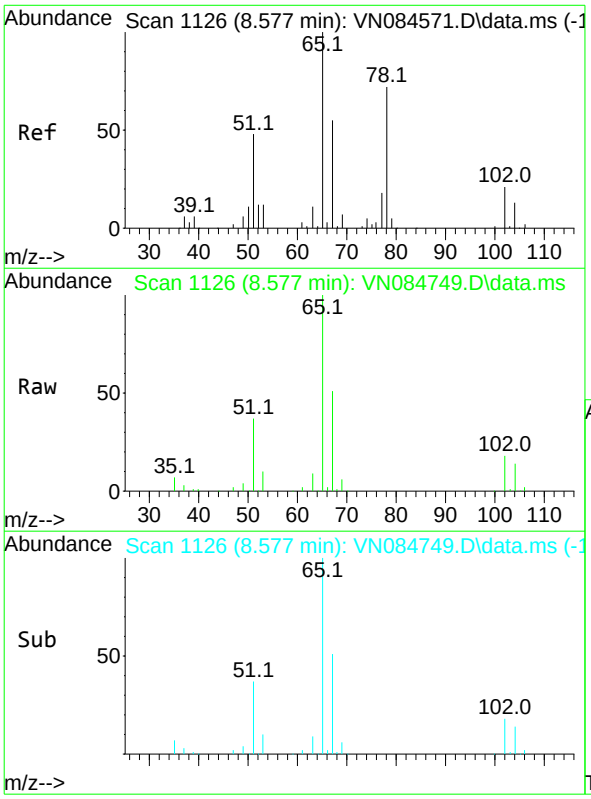
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion:168 Resp: 176583

Ion	Ratio	Lower	Upper
168	100		
99	61.6	54.2	81.2

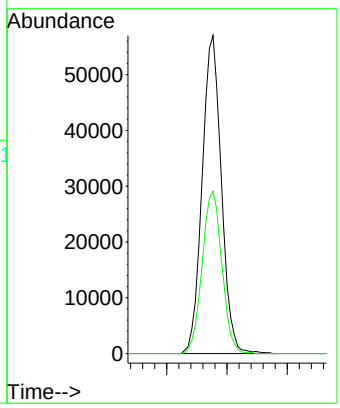


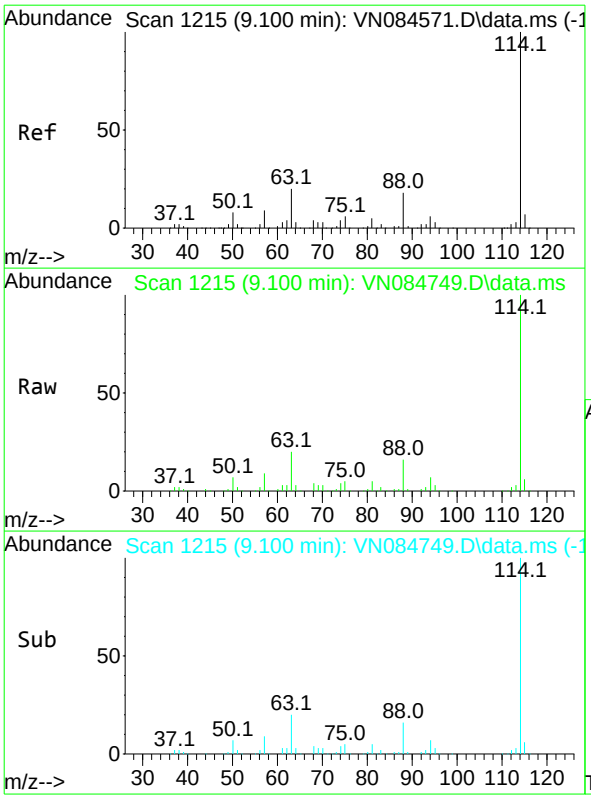


#33
1,2-Dichloroethane-d4
Concen: 49.539 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 65 Resp: 126348

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.0



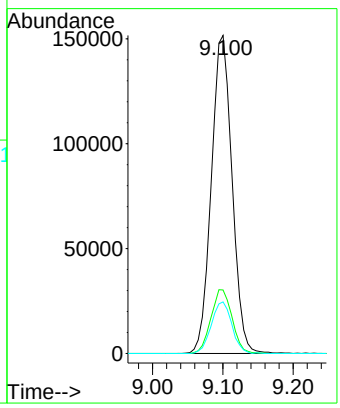


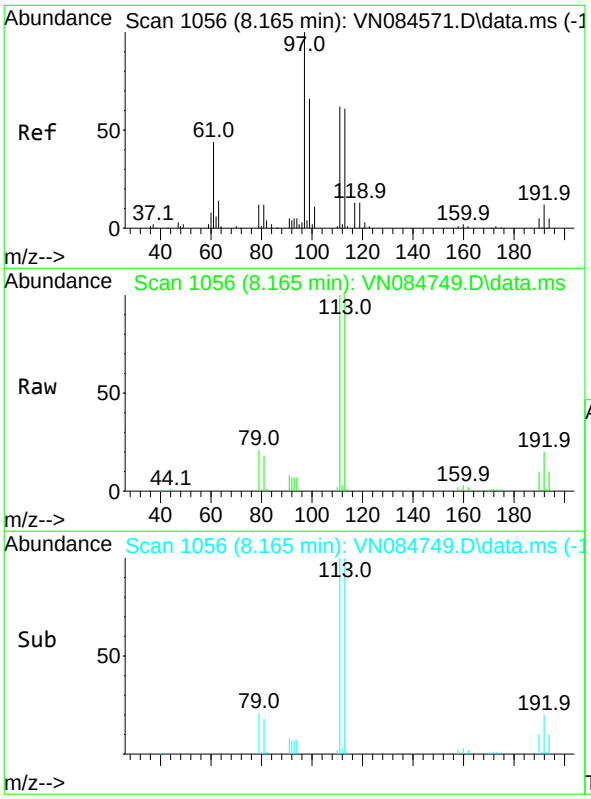
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion:114 Resp: 310479

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.2	0.0	31.6

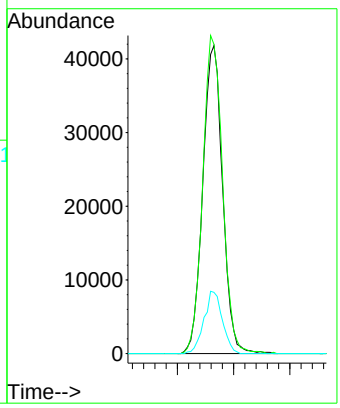


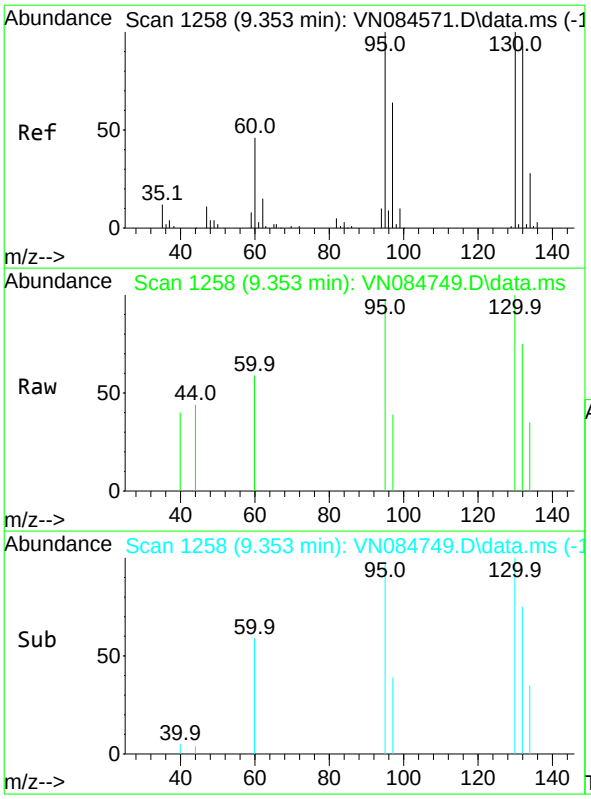


#35
Dibromofluoromethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion:113 Resp: 102080

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	18.8	13.5	20.3



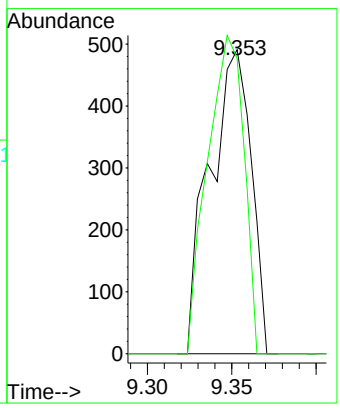


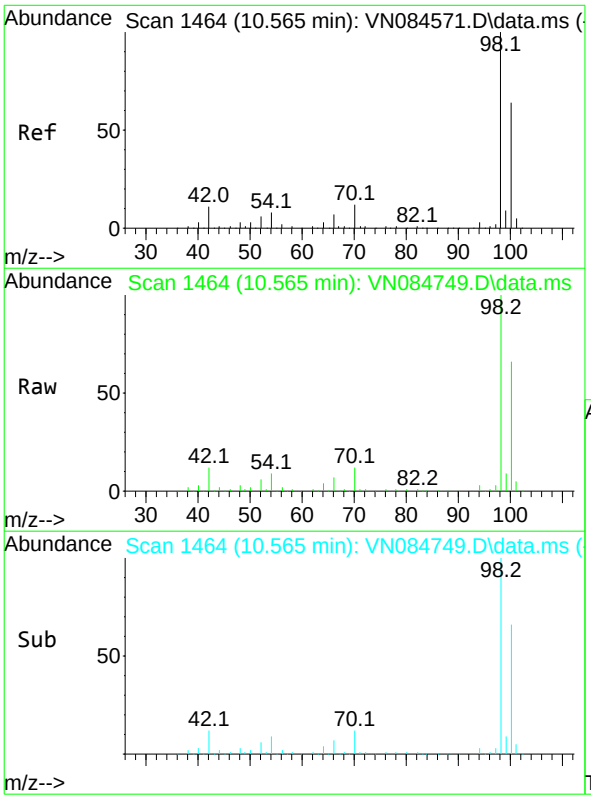
#44
Trichloroethene
Concen: 0.390 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion:130 Resp: 842

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	203.0

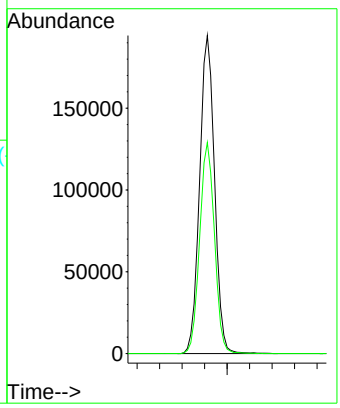


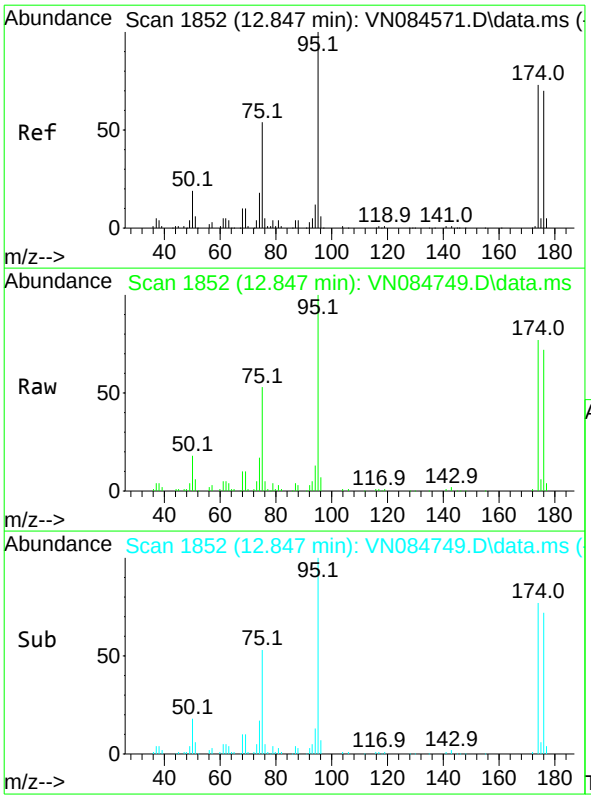


#50
Toluene-d8
Concen: 46.331 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion: 98 Resp: 358668

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1



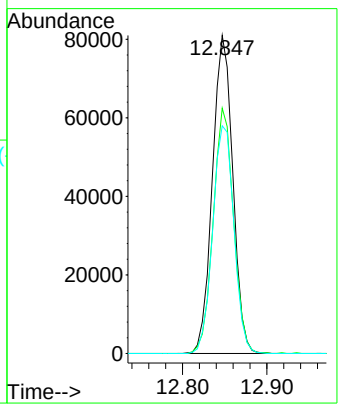


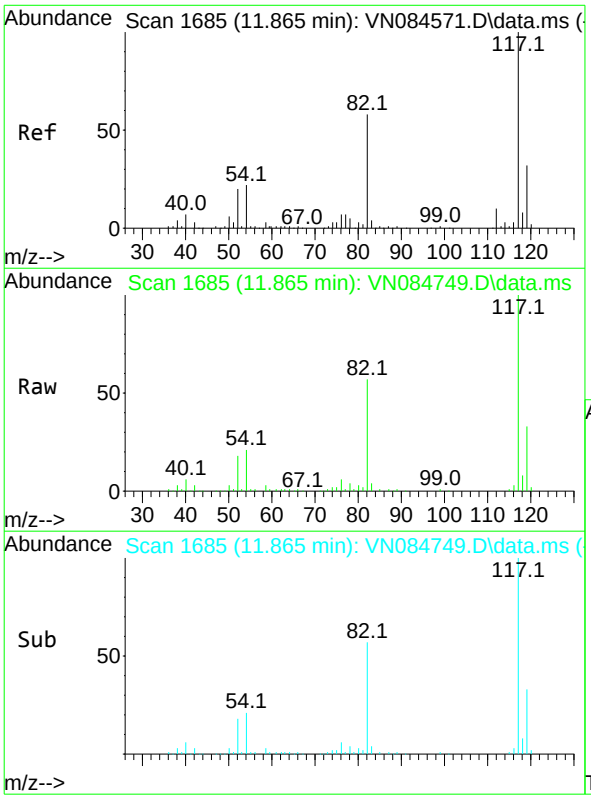
#62
4-Bromofluorobenzene
Concen: 46.965 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion: 95 Resp: 135882

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	145.2
176	74.5	0.0	140.0

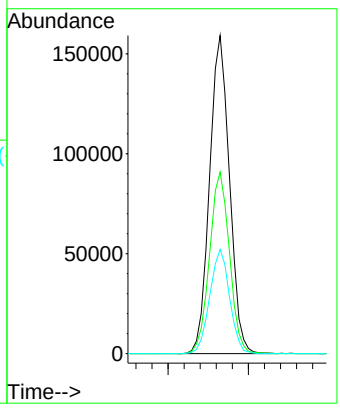


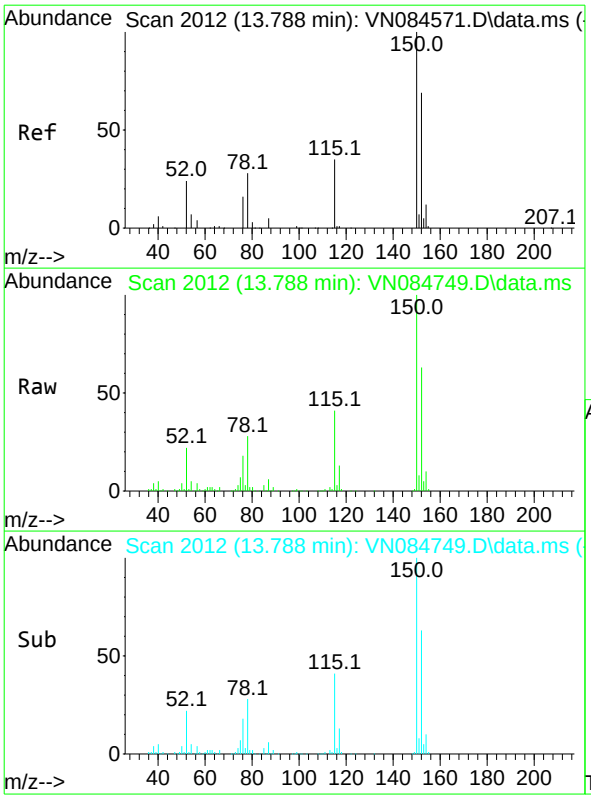


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Tgt Ion:117 Resp: 273960

Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.2	70.8
119	32.8	25.4	38.0



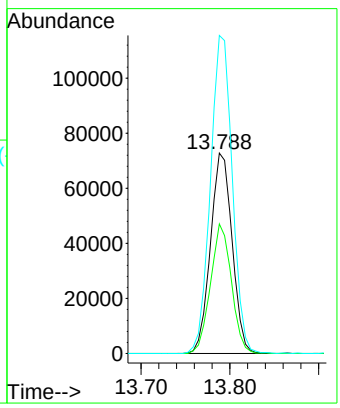


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084749.D
Acq: 08 Nov 2024 14:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Tgt Ion:152 Resp: 123463

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	160.0	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084749.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.077	17	21	26	rVB2	10000	13226	1.39%	0.251%
2	2.283	49	56	66	rBV2	19587	45114	4.75%	0.857%
3	4.442	414	423	433	rBV2	16186	45813	4.83%	0.871%
4	8.165	1046	1056	1060	rBV	137990	332705	35.06%	6.323%
5	8.218	1060	1065	1077	rVB	238757	543465	57.26%	10.328%
6	8.577	1116	1126	1135	rBV	156866	340277	35.85%	6.467%
7	8.718	1143	1150	1151	rBV2	5109	9570	1.01%	0.182%
8	9.100	1205	1215	1226	rBV	349336	723386	76.22%	13.747%
9	10.565	1454	1464	1472	rBV	517143	949047	100.00%	18.036%
10	11.865	1676	1685	1699	rBV	484963	839111	88.42%	15.947%
11	12.847	1843	1852	1860	rBV	388139	652219	68.72%	12.395%
12	13.788	2004	2012	2023	rVB	453506	768089	80.93%	14.597%

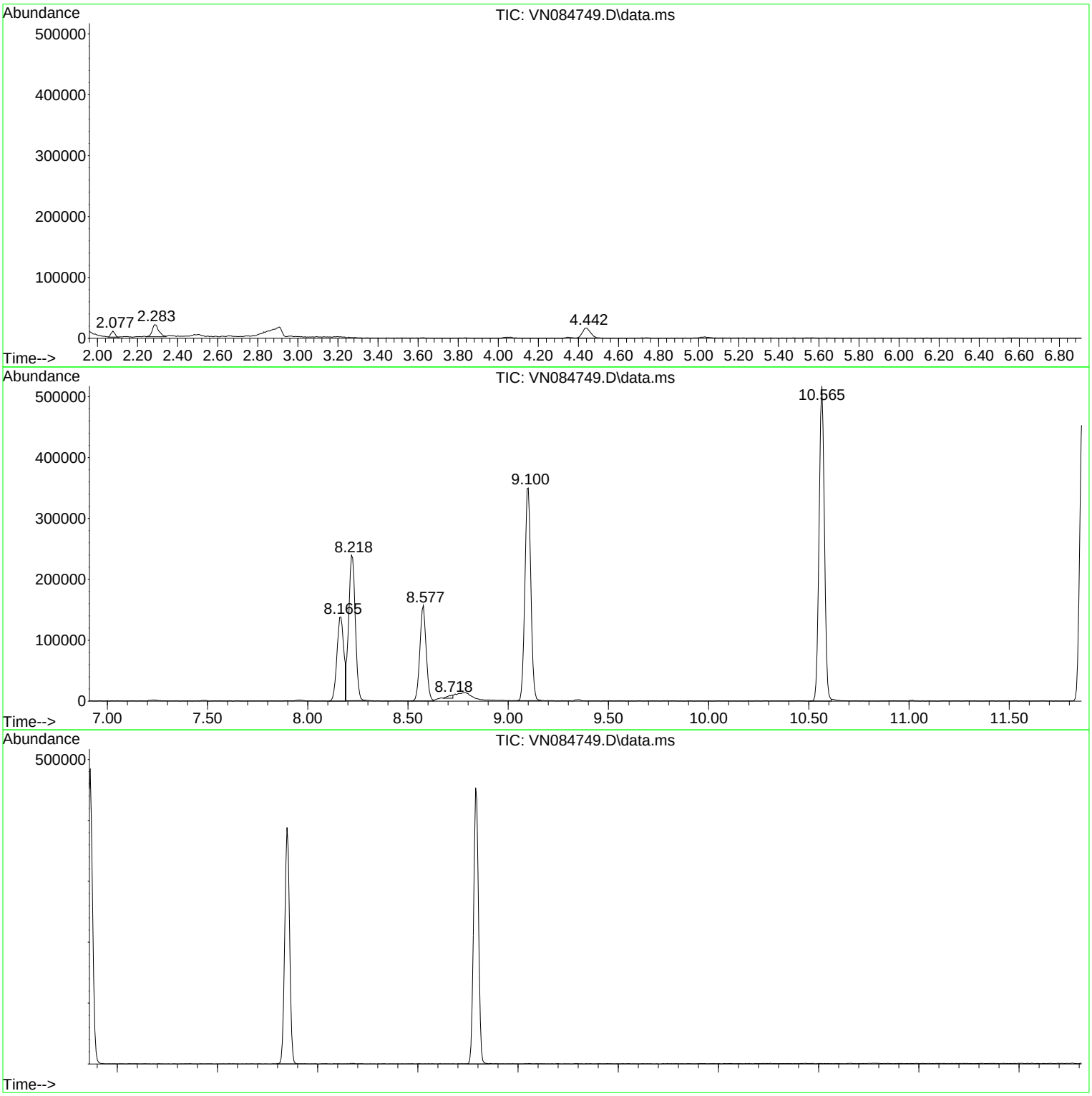
Sum of corrected areas: 5262022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084749.D
Acq On : 08 Nov 2024 14:56
Operator : JC\MD
Sample : P4774-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-DUP-20241105

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-618-620	SDG No.:	P4774
Lab Sample ID:	P4774-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084750.D	1		11/08/24 15:20	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-618-620	SDG No.:	P4774
Lab Sample ID:	P4774-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084750.D	1		11/08/24 15:20	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.6		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.9		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.218				
540-36-3	1,4-Difluorobenzene	301000	9.1				
3114-55-4	Chlorobenzene-d5	259000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-618-620	SDG No.:	P4774
Lab Sample ID:	P4774-05	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084750.D	1		11/08/24 15:20	VN110824

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\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Quant Time: Nov 08 22:31:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

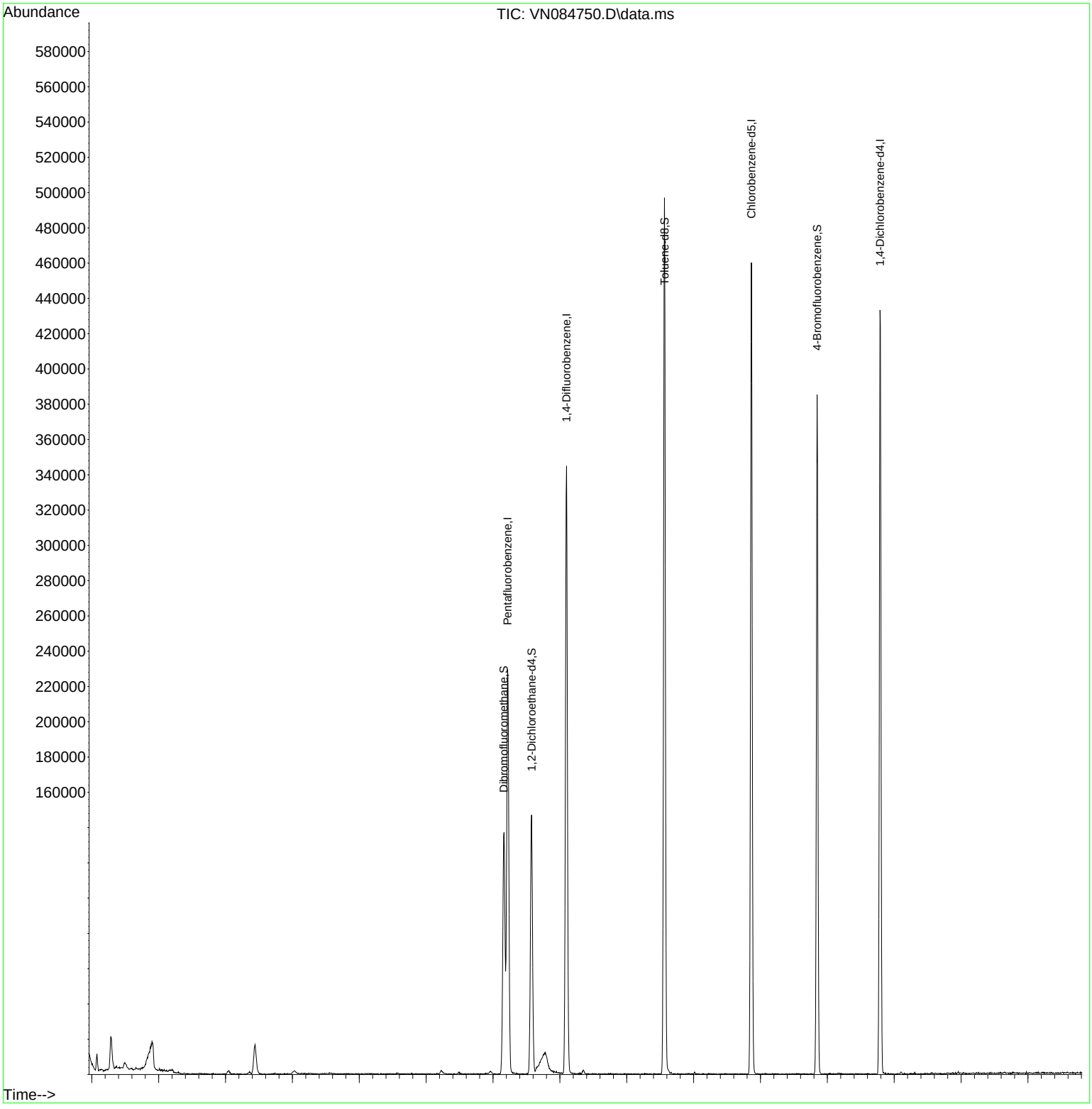
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119100	48.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.200%		
35) Dibromofluoromethane	8.159	113	99273	48.668	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	10.565	98	344787	45.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.847	95	131107	46.687	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.380%		
Target Compounds						Qvalue

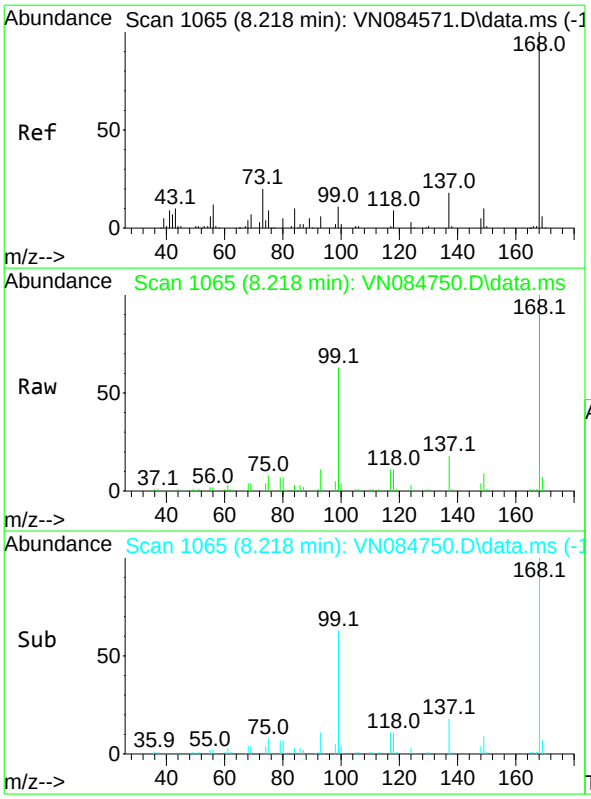
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Quant Time: Nov 08 22:31:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



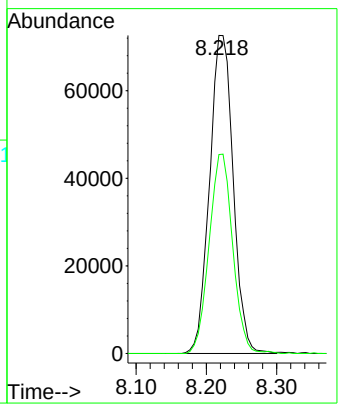


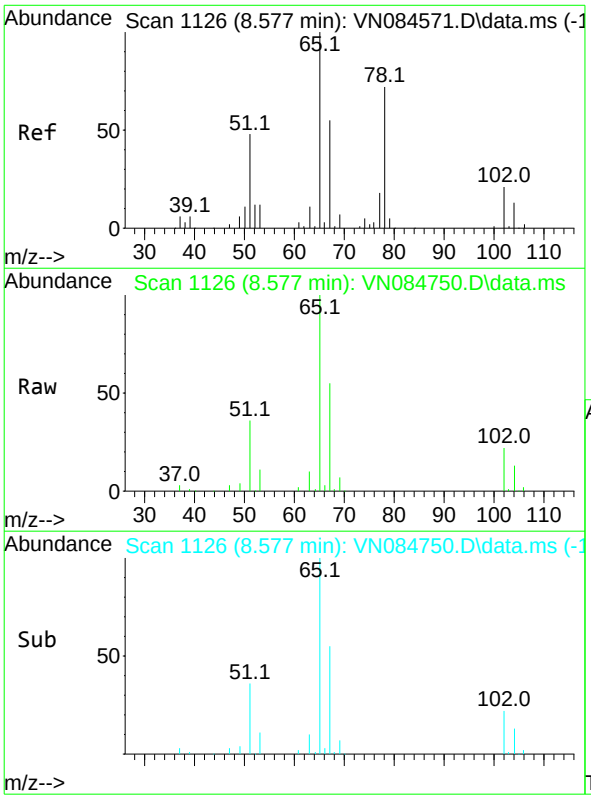
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Tgt Ion:168 Resp: 169679

Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2

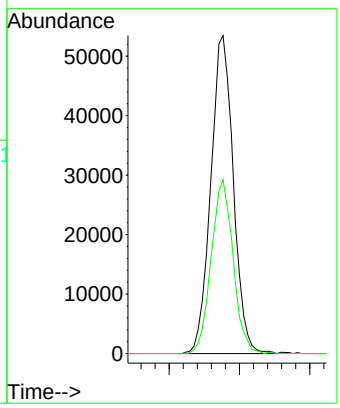


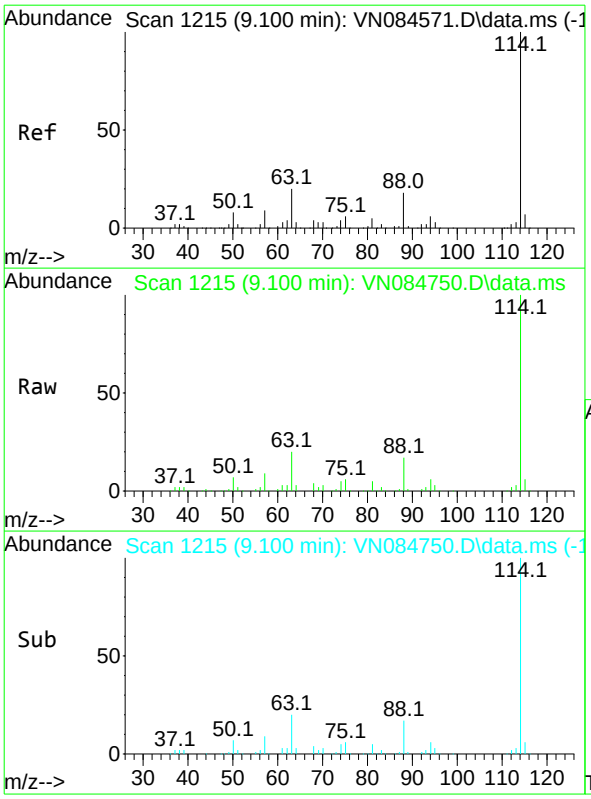


#33
1,2-Dichloroethane-d4
Concen: 48.598 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion: 65 Resp: 119100

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



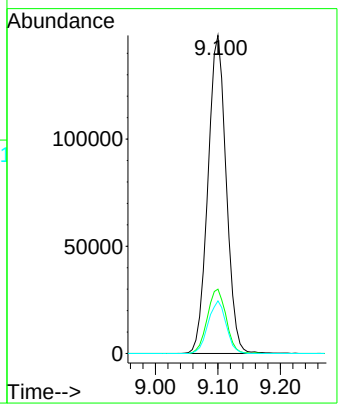


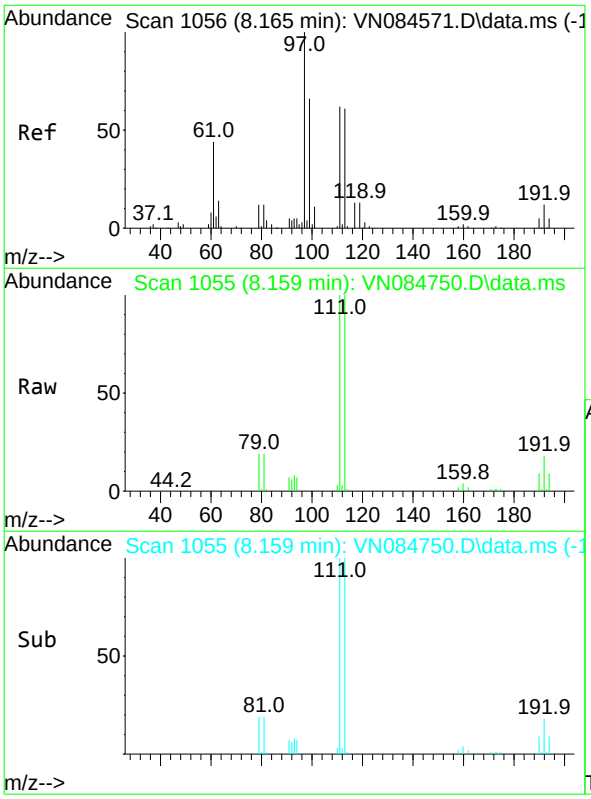
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Tgt Ion:114 Resp: 301356

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	16.5	0.0	31.6

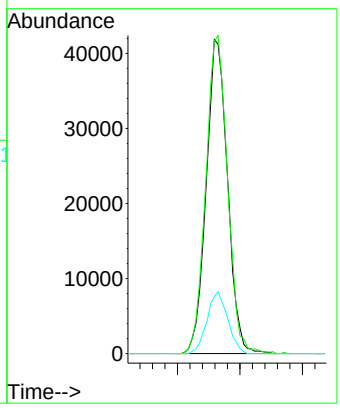


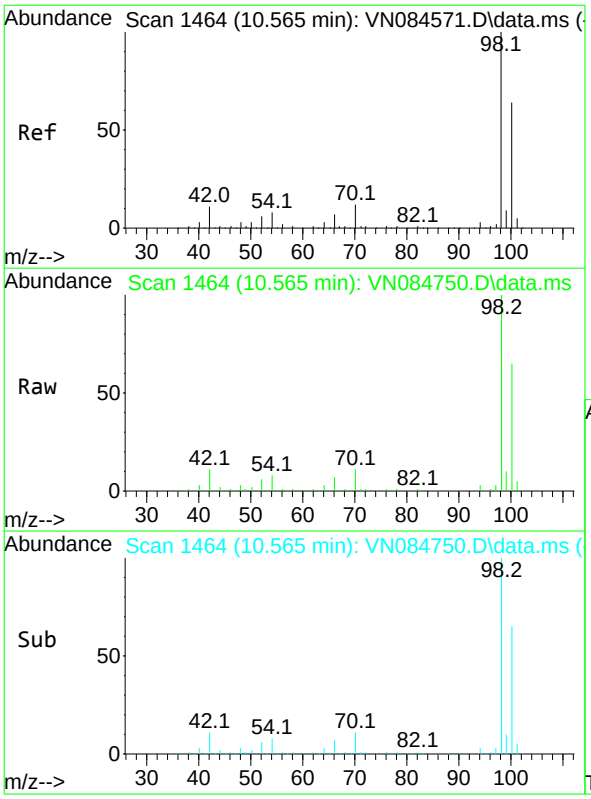


#35
Dibromofluoromethane
Concen: 48.668 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion:113 Resp: 99273

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	19.0	13.5	20.3



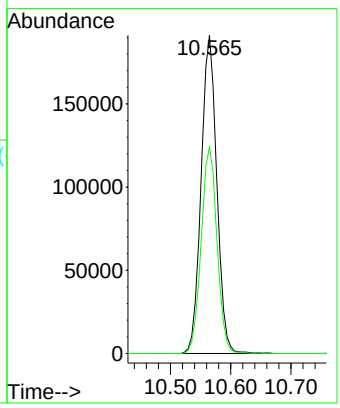


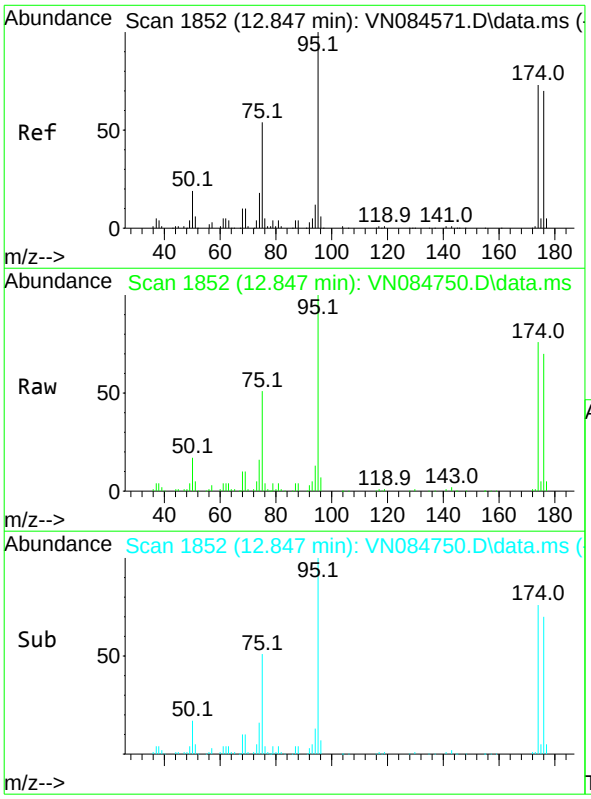
#50
Toluene-d8
Concen: 45.886 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Tgt Ion: 98 Resp: 344787

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

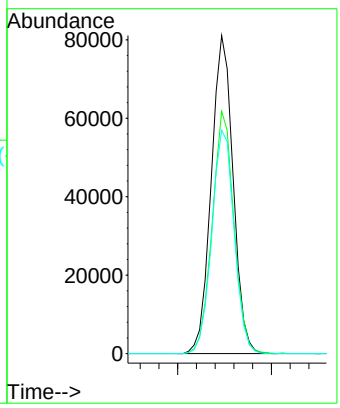


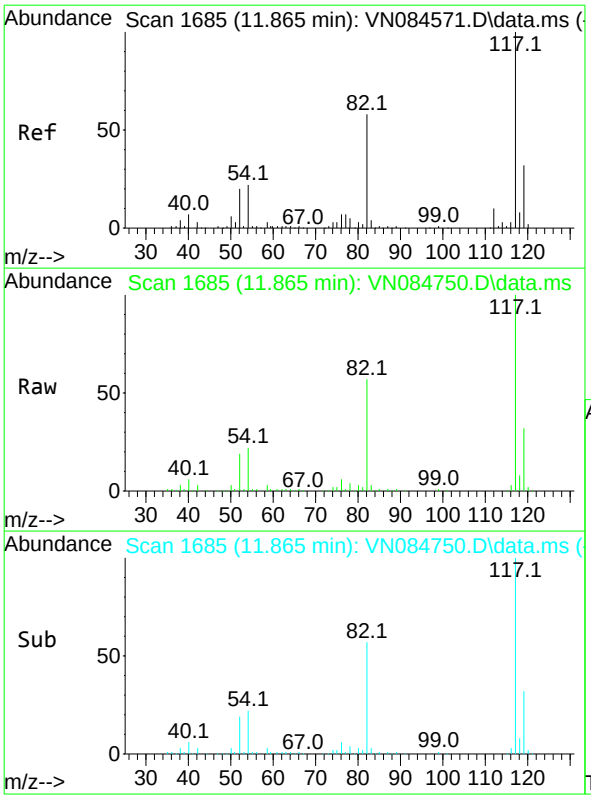


#62
4-Bromofluorobenzene
Concen: 46.687 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion: 95 Resp: 131107

Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	145.2
176	71.7	0.0	140.0



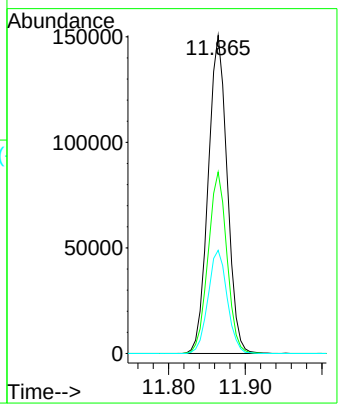


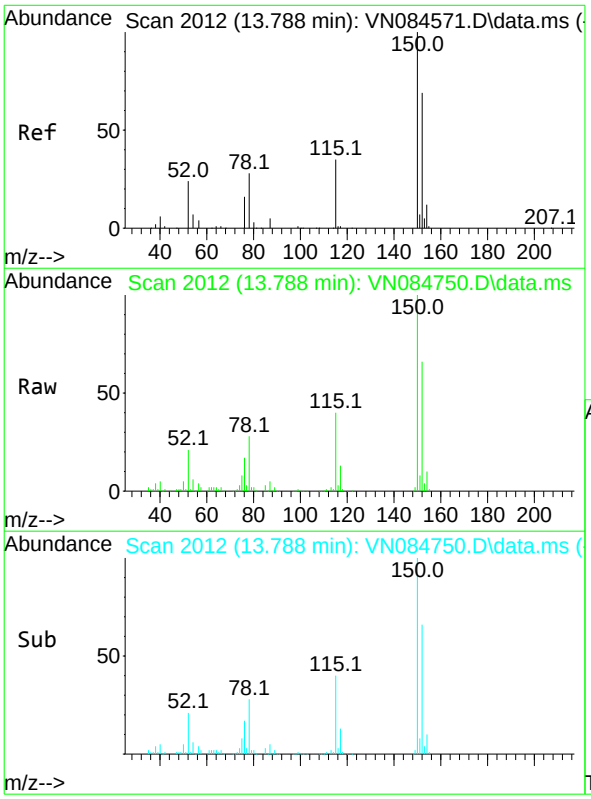
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Tgt Ion:117 Resp: 259431

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	32.4	25.4	38.0

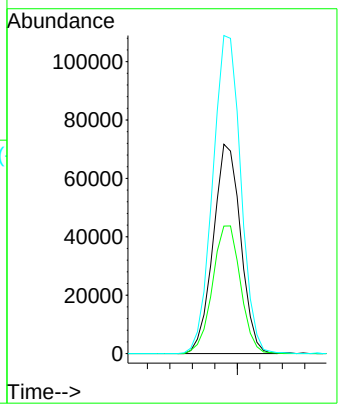




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084750.D
Acq: 08 Nov 2024 15:20

Tgt Ion:152 Resp: 121391

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	155.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084750.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.077	17	21	25	rVB2	9616	12364	1.36%	0.243%
2	2.283	49	56	65	rBV2	18873	42383	4.68%	0.832%
3	2.877	142	157	158	rBV6	11230	32840	3.62%	0.645%
4	4.442	414	423	435	rBV2	16643	45616	5.03%	0.896%
5	8.165	1046	1056	1060	rBV	136821	322279	35.55%	6.328%
6	8.218	1060	1065	1078	rVB	229046	521390	57.52%	10.238%
7	8.577	1116	1126	1135	rBV	147184	326037	35.97%	6.402%
8	8.753	1144	1156	1157	rBV3	6386	16530	1.82%	0.325%
9	9.100	1206	1215	1227	rBV	344340	700453	77.27%	13.753%
10	10.565	1456	1464	1478	rBV	496627	906484	100.00%	17.799%
11	11.865	1677	1685	1697	rVB	460141	800568	88.32%	15.719%
12	12.847	1843	1852	1863	rBV	385451	626130	69.07%	12.294%
13	13.788	2005	2012	2020	rBV	432872	739834	81.62%	14.527%

Sum of corrected areas: 5092908

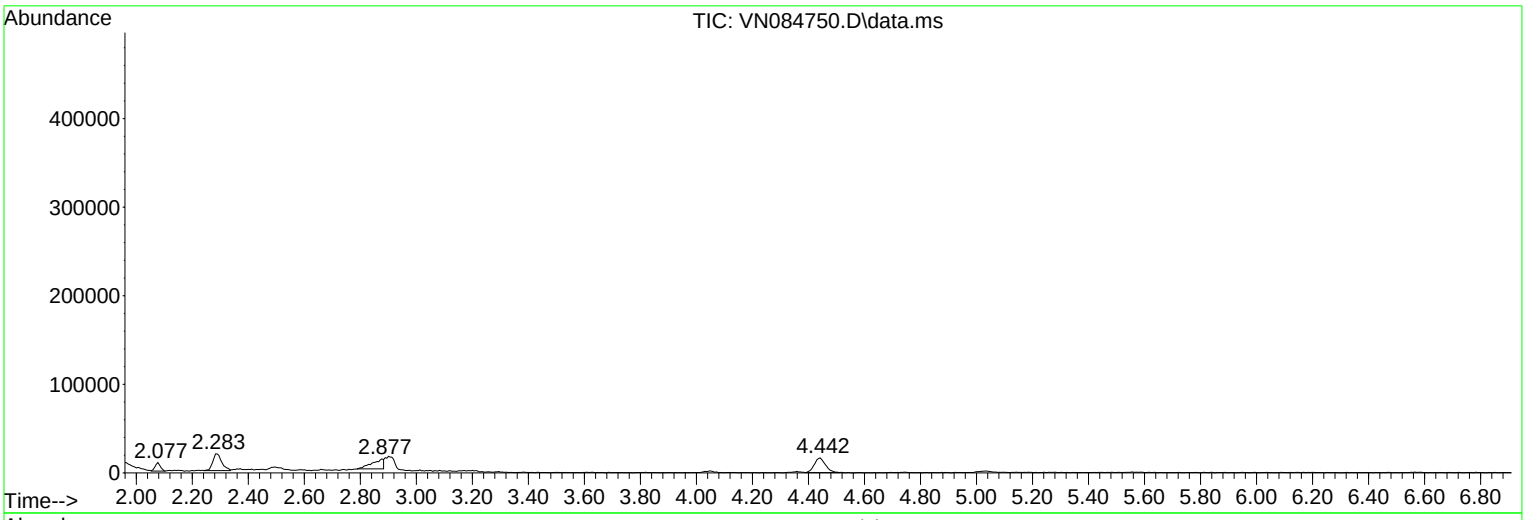
Sample Results: **VN084750.D**

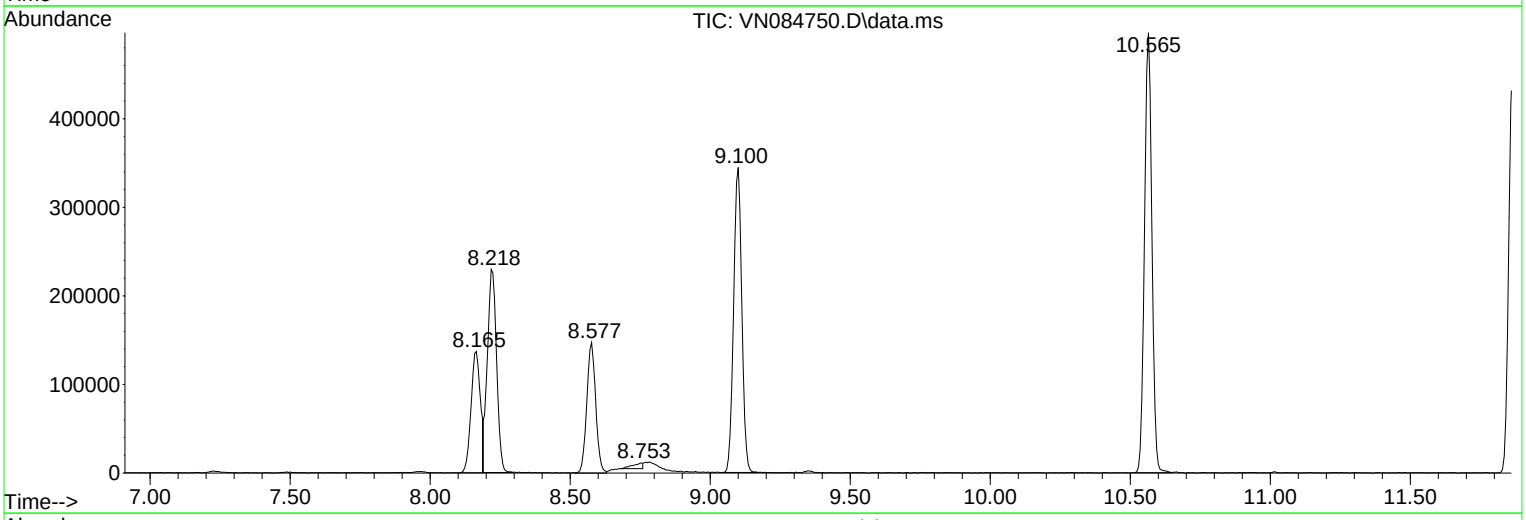
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

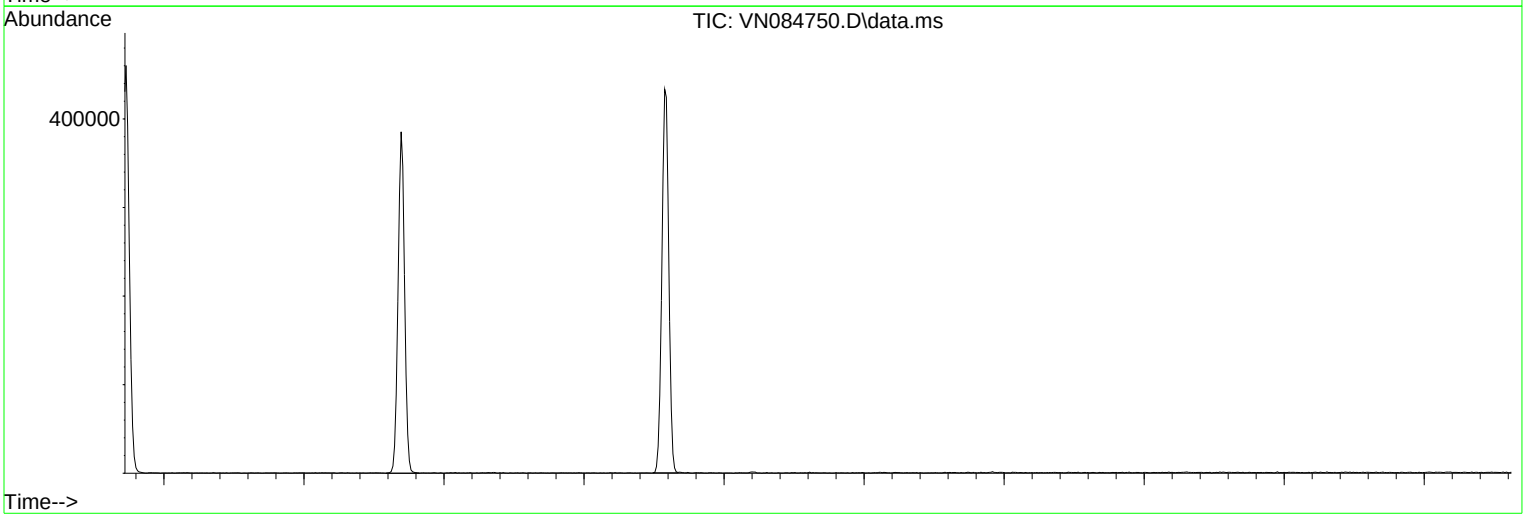
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084750.D
Acq On : 08 Nov 2024 15:20
Operator : JC\MD
Sample : P4774-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-618-620

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-638-640	SDG No.:	P4774
Lab Sample ID:	P4774-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084751.D	1		11/08/24 15:44	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.85	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	160	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.10		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-638-640	SDG No.:	P4774
Lab Sample ID:	P4774-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084751.D	1		11/08/24 15:44	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.3		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	8.224				
540-36-3	1,4-Difluorobenzene	312000	9.1				
3114-55-4	Chlorobenzene-d5	280000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-638-640	SDG No.:	P4774
Lab Sample ID:	P4774-06	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084751.D	1		11/08/24 15:44	VN110824

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\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Quant Time: Nov 08 22:32:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

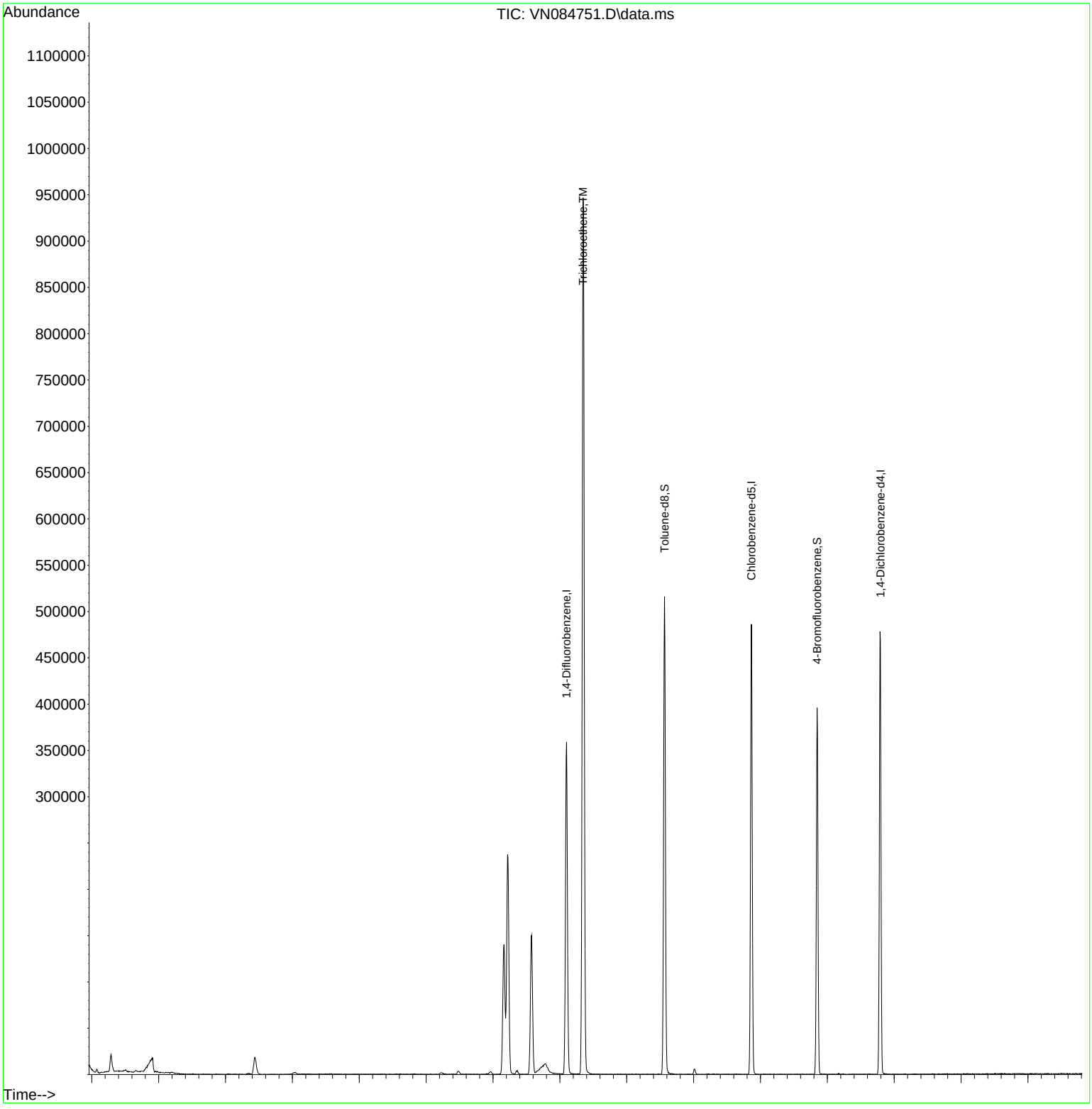
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	124577	48.934	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.860%		
35) Dibromofluoromethane	8.165	113	102161	48.383	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.760%		
50) Toluene-d8	10.565	98	360363	46.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.660%		
62) 4-Bromofluorobenzene	12.847	95	138694	47.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.420%		
Target Compounds						Qvalue
38) Carbon Tetrachloride	8.365	117	2794	0.854	ug/l #	81
44) Trichloroethene	9.347	130	354834	163.602	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	2221	1.072	ug/l	96

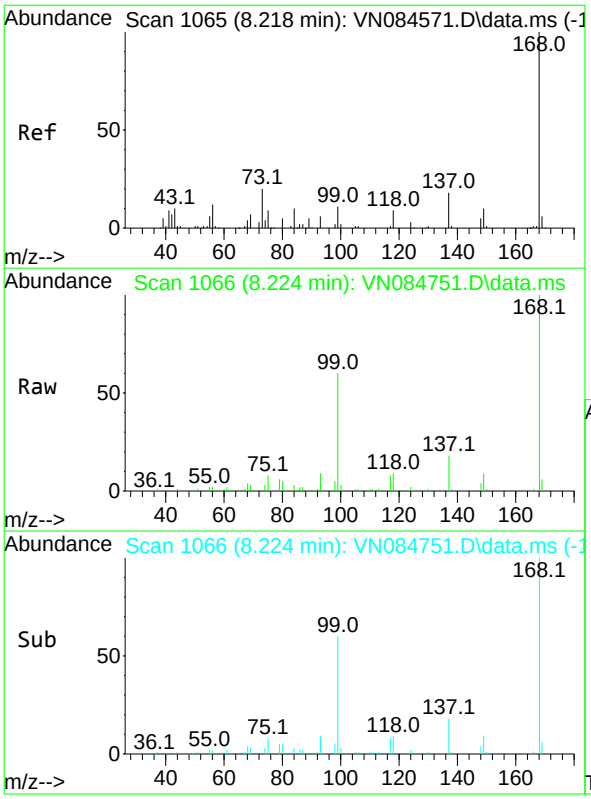
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Quant Time: Nov 08 22:32:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



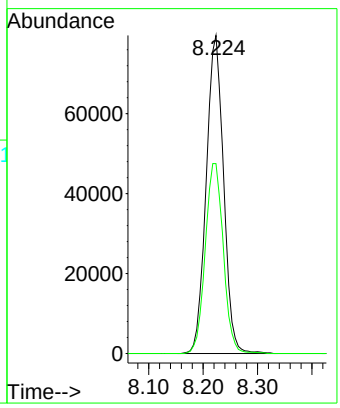


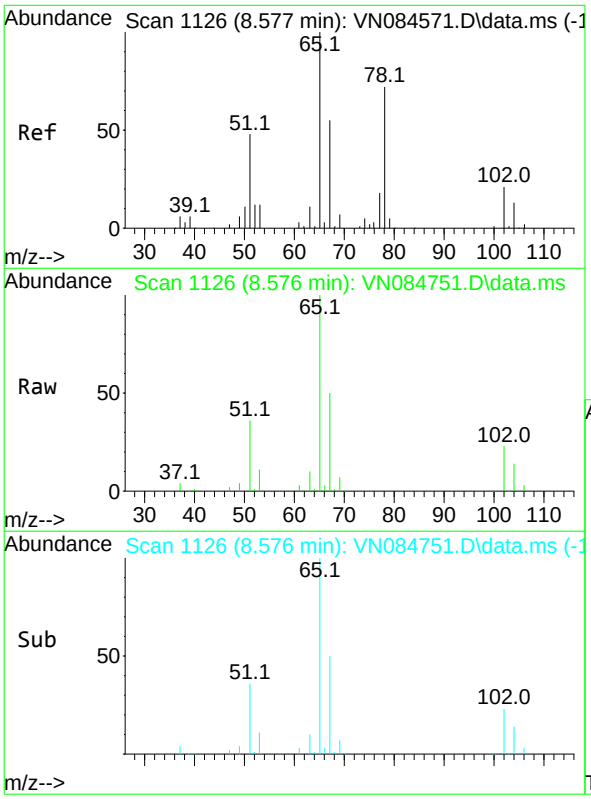
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion:168 Resp: 176262

Ion	Ratio	Lower	Upper
168	100		
99	59.7	54.2	81.2

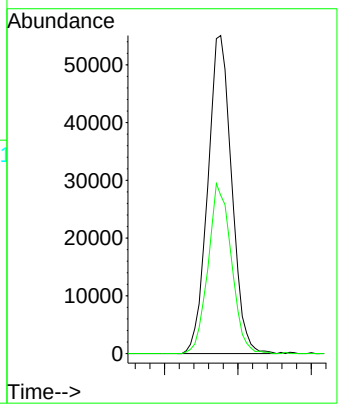


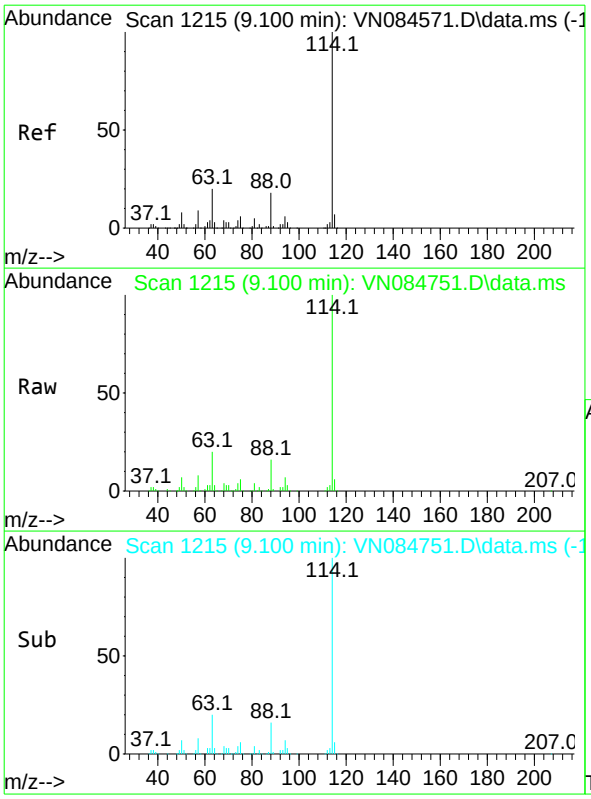


#33
1,2-Dichloroethane-d4
Concen: 48.934 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Tgt Ion: 65 Resp: 124577

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



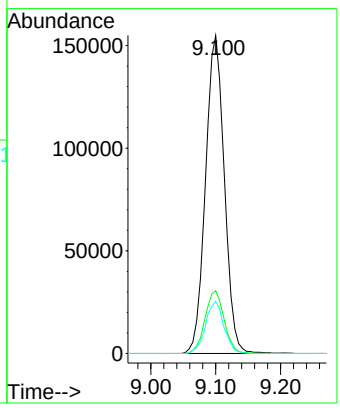


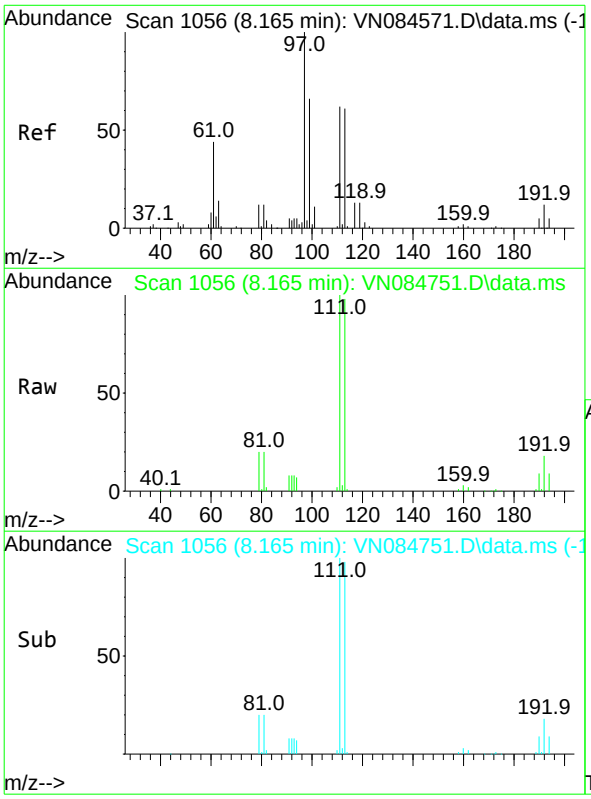
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion:114 Resp: 311946

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	16.4	0.0	31.6

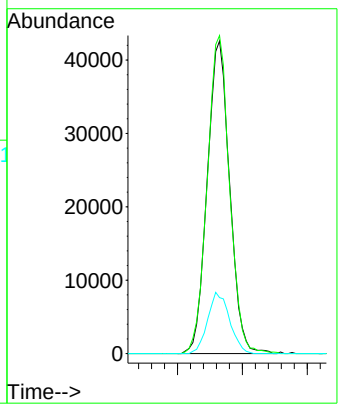


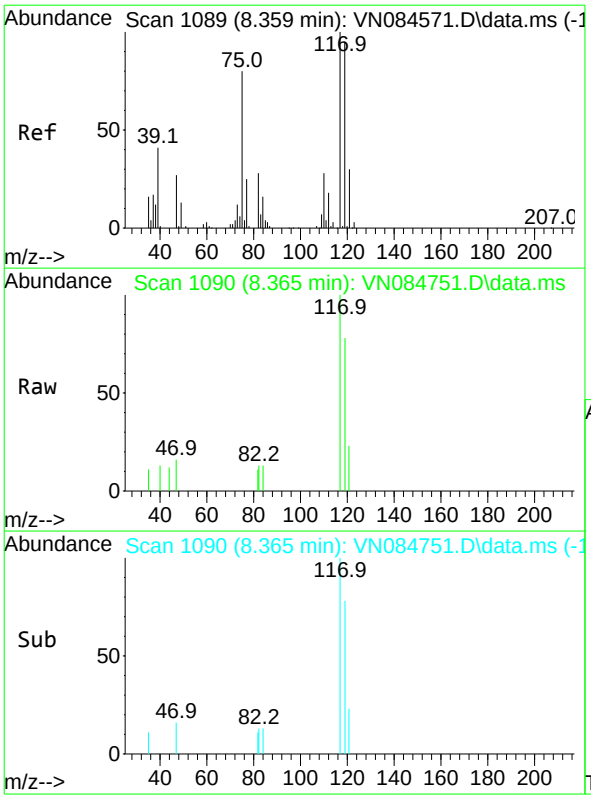


#35
Dibromofluoromethane
Concen: 48.383 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Tgt Ion:113 Resp: 102161

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	19.1	13.5	20.3



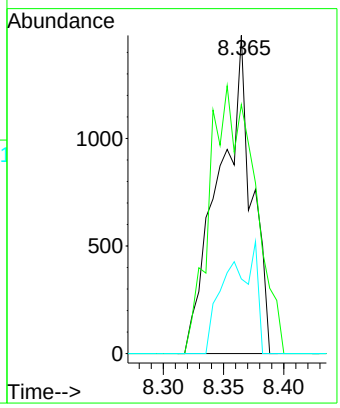


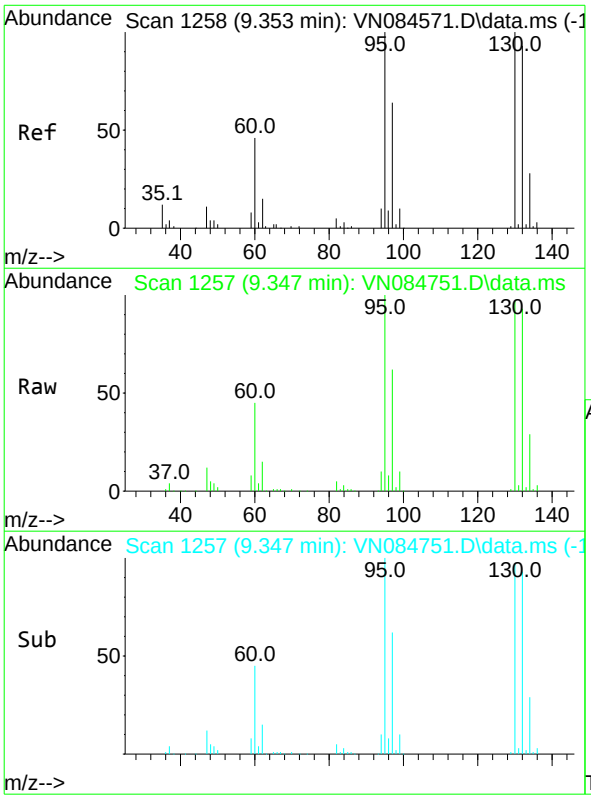
#38
Carbon Tetrachloride
Concen: 0.854 ug/l
RT: 8.365 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion:117 Resp: 2794

Ion	Ratio	Lower	Upper
117	100		
119	78.2	78.7	118.1#
121	23.5	24.4	36.6#

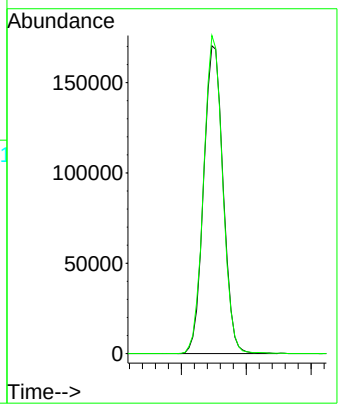


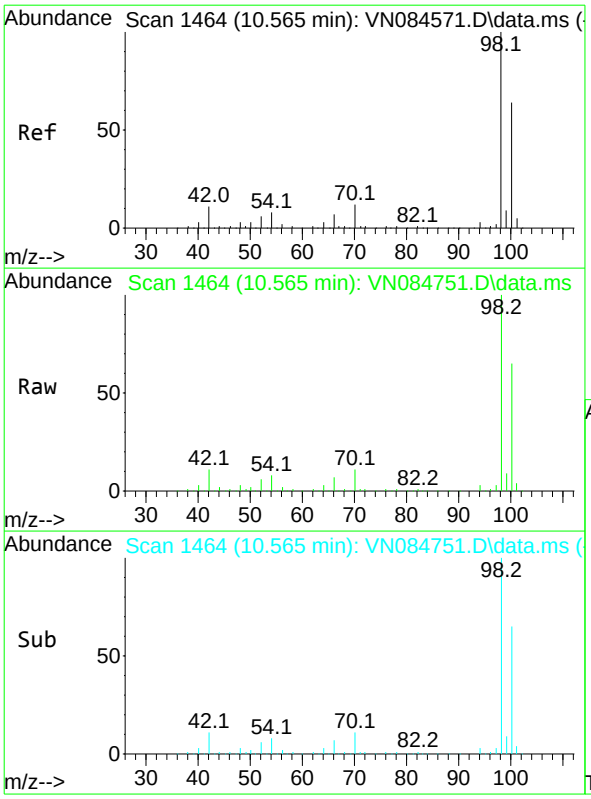


#44
Trichloroethene
Concen: 163.602 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Tgt Ion:130 Resp: 354834

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	203.0



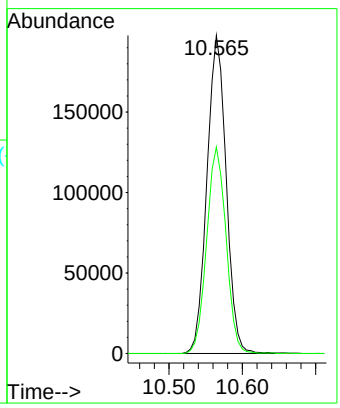


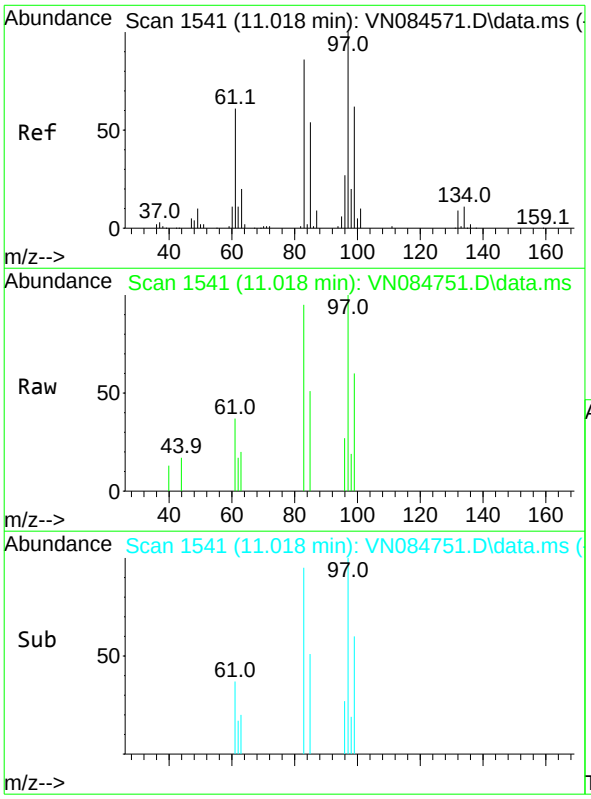
#50
Toluene-d8
Concen: 46.331 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion: 98 Resp: 360363

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

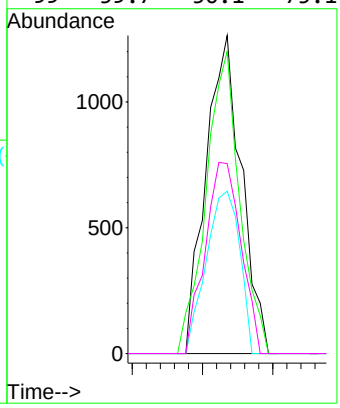


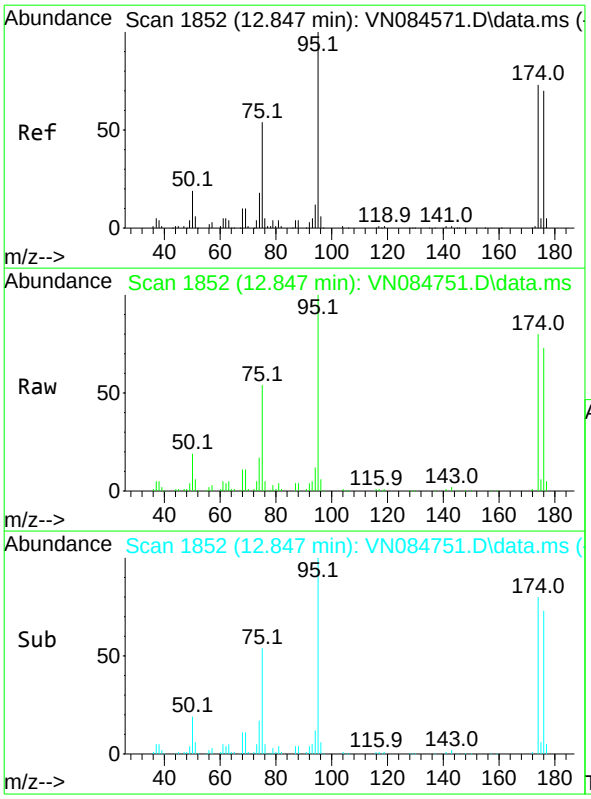


#55
1,1,2-Trichloroethane
Concen: 1.072 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Tgt Ion: 97 Resp: 2221

Ion	Ratio	Lower	Upper
97	100		
83	95.0	71.0	106.4
85	51.0	41.7	62.5
99	59.7	50.1	75.1



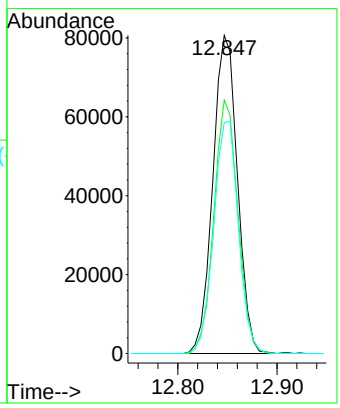


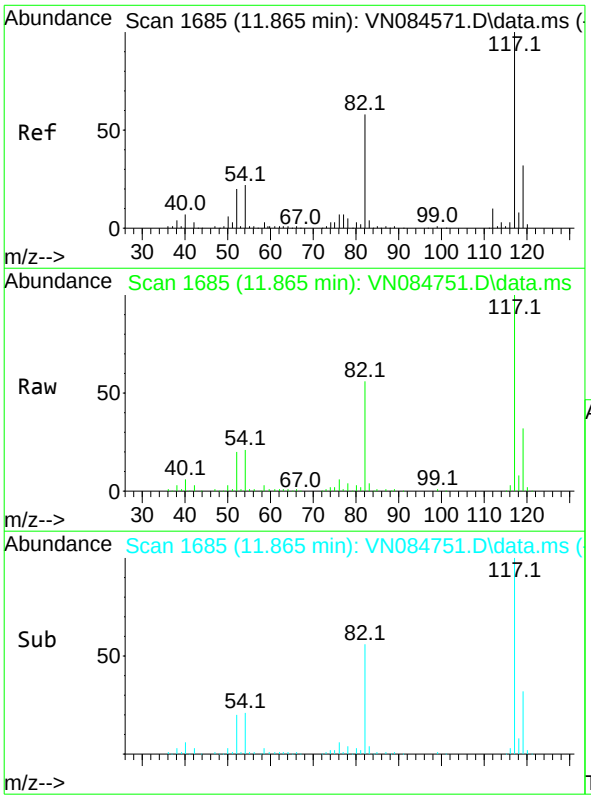
#62
4-Bromofluorobenzene
Concen: 47.712 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion: 95 Resp: 138694

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	145.2
176	73.4	0.0	140.0

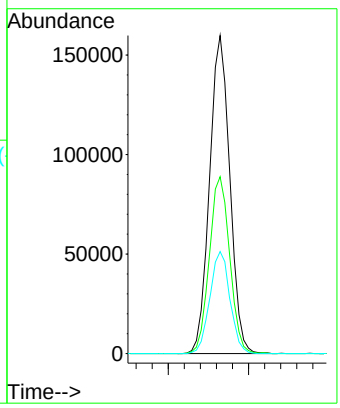


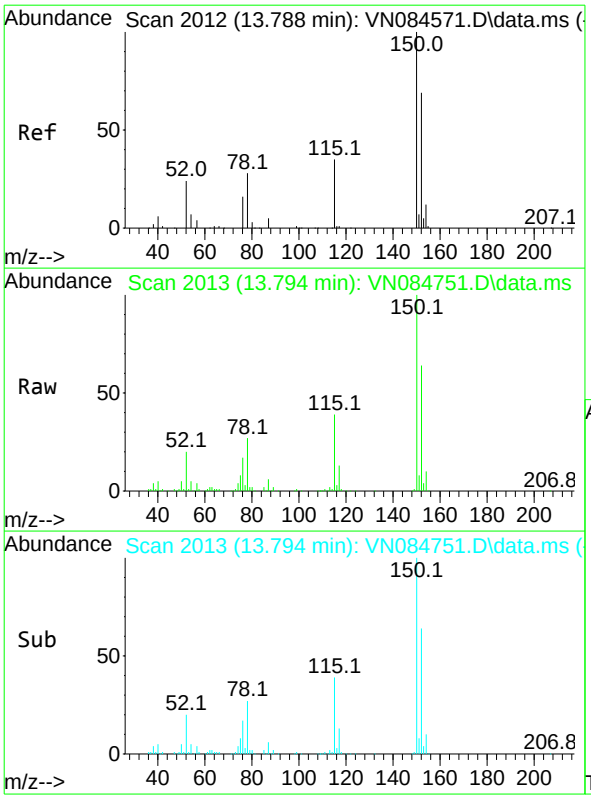


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Tgt Ion:117 Resp: 280107

Ion	Ratio	Lower	Upper
117	100		
82	55.6	47.2	70.8
119	32.1	25.4	38.0



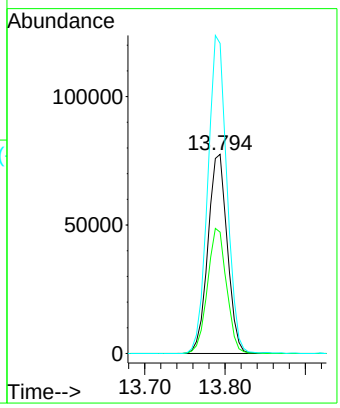


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084751.D
Acq: 08 Nov 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Tgt Ion:152 Resp: 129789

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.4	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084751.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	65	rVB3	18390	36939	1.88%	0.509%
2	4.441	413	423	441	rVB	18606	54967	2.79%	0.757%
3	8.165	1046	1056	1060	rBV	139977	329847	16.75%	4.544%
4	8.218	1060	1065	1082	rVV	237247	547118	27.78%	7.537%
5	8.577	1116	1126	1135	rBV	150040	336418	17.08%	4.635%
6	9.100	1206	1215	1226	rBV	358530	725376	36.83%	9.993%
7	9.347	1248	1257	1275	rBV	946282	1969601	100.00%	27.134%
8	10.565	1455	1464	1474	rBV	515656	949226	48.19%	13.077%
9	11.865	1675	1685	1697	rBV	486315	852677	43.29%	11.747%
10	12.847	1845	1852	1862	rBV	395835	665349	33.78%	9.166%
11	13.788	2004	2012	2021	rBV	478111	791316	40.18%	10.901%

Sum of corrected areas: 7258834

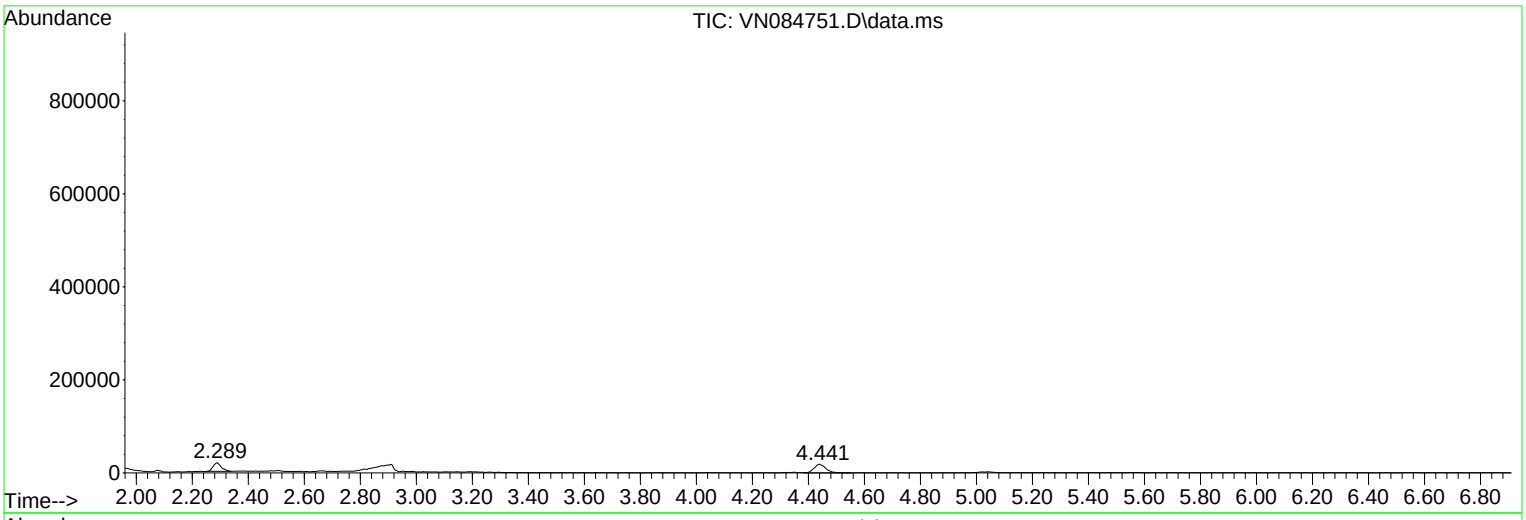
Sample Results: **VN084751.D**

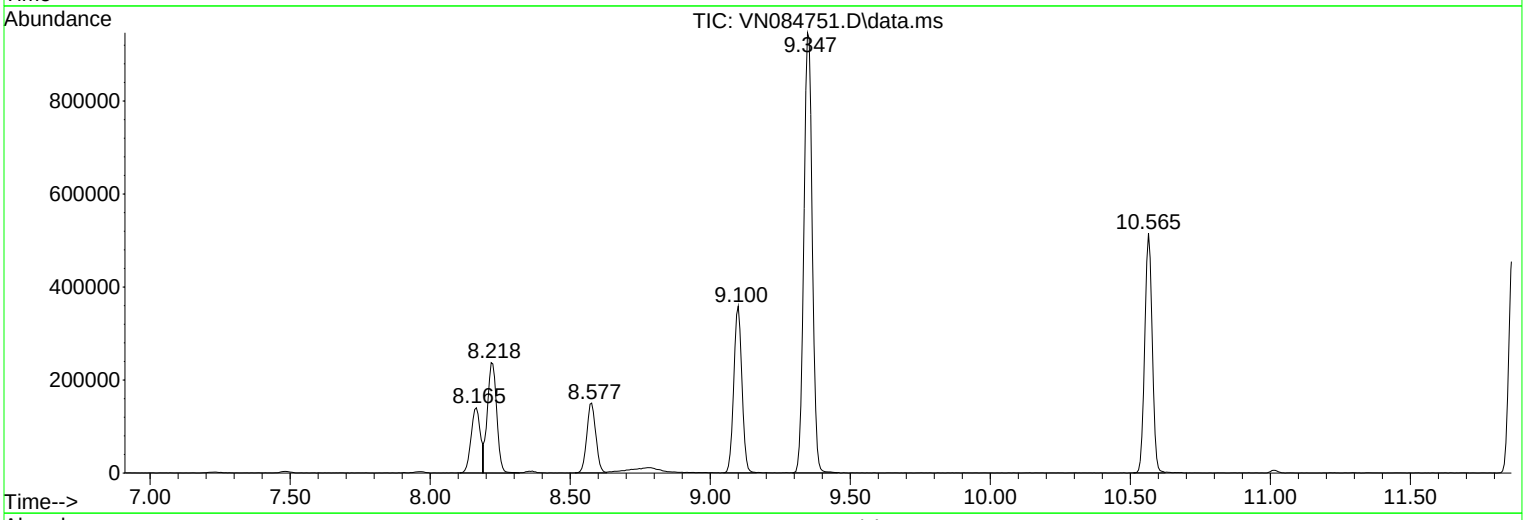
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

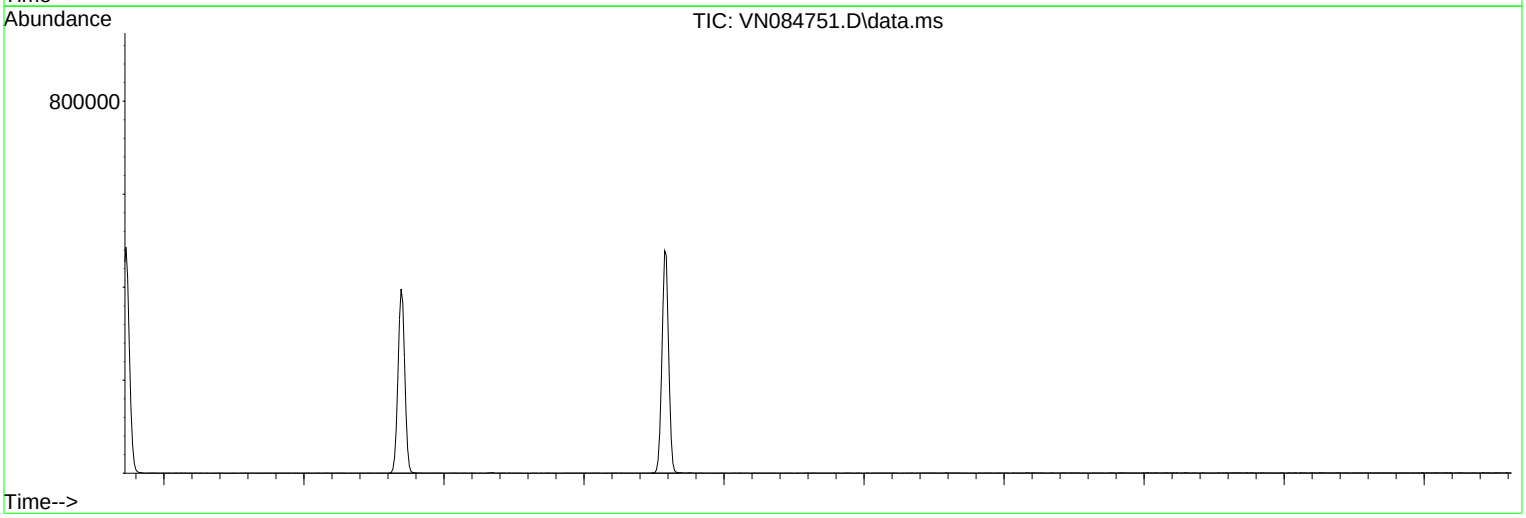
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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\VN110824\
Data File : VN084751.D
Acq On : 08 Nov 2024 15:44
Operator : JC\MD
Sample : P4774-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard 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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-638-640DL	SDG No.:	P4774
Lab Sample ID:	P4774-06DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084767.D	5		11/11/24 13:18	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	2.50	UD	1.80	2.50	5.00	ug/L
75-01-4	Vinyl Chloride	3.80	UD	1.70	3.80	5.00	ug/L
74-83-9	Bromomethane	18.8	UD	6.80	18.8	25.0	ug/L
75-00-3	Chloroethane	3.80	UD	2.80	3.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	2.50	UD	1.70	2.50	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	1.30	2.50	5.00	ug/L
75-35-4	1,1-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-64-1	Acetone	18.8	UD	7.00	18.8	25.0	ug/L
75-15-0	Carbon Disulfide	3.80	UD	1.60	3.80	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.50	UD	0.80	2.50	5.00	ug/L
75-09-2	Methylene Chloride	2.50	UD	1.60	2.50	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	1.30	2.50	5.00	ug/L
75-34-3	1,1-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
78-93-3	2-Butanone	12.5	UD	6.50	12.5	25.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	1.30	2.50	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	3.80	UD	1.30	3.80	5.00	ug/L
67-66-3	Chloroform	2.50	UD	1.30	2.50	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	2.50	UD	0.95	2.50	5.00	ug/L
108-87-2	Methylcyclohexane	2.50	UD	0.95	2.50	5.00	ug/L
71-43-2	Benzene	2.50	UD	0.80	2.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	2.50	UD	1.20	2.50	5.00	ug/L
79-01-6	Trichloroethene	170	D	1.60	3.80	5.00	ug/L
78-87-5	1,2-Dichloropropane	2.50	UD	0.95	2.50	5.00	ug/L
75-27-4	Bromodichloromethane	2.50	UD	1.20	2.50	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	UD	3.80	12.5	25.0	ug/L
108-88-3	Toluene	2.50	UD	0.90	2.50	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	2.50	UD	1.10	2.50	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.50	UD	0.90	2.50	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	2.50	UD	1.10	2.50	5.00	ug/L
591-78-6	2-Hexanone	12.5	UD	5.70	12.5	25.0	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:	11/05/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-638-640DL	SDG No.:	P4774
Lab Sample ID:	P4774-06DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084767.D	5		11/11/24 13:18	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.50	UD	0.90	2.50	5.00	ug/L
127-18-4	Tetrachloroethene	2.50	UD	1.30	2.50	5.00	ug/L
108-90-7	Chlorobenzene	2.50	UD	0.65	2.50	5.00	ug/L
100-41-4	Ethyl Benzene	2.50	UD	0.80	2.50	5.00	ug/L
179601-23-1	m/p-Xylenes	5.00	UD	1.60	5.00	10.0	ug/L
95-47-6	o-Xylene	2.50	UD	0.70	2.50	5.00	ug/L
100-42-5	Styrene	2.50	UD	0.80	2.50	5.00	ug/L
75-25-2	Bromoform	2.50	UD	1.10	2.50	5.00	ug/L
98-82-8	Isopropylbenzene	2.50	UD	0.65	2.50	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.50	UD	1.40	2.50	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.50	UD	1.20	2.50	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.50	UD	1.40	2.50	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.50	UD	0.95	2.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	8.224				
540-36-3	1,4-Difluorobenzene	264000	9.1				
3114-55-4	Chlorobenzene-d5	234000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	104000	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\VN111124\
Data File : VN084767.D
Acq On : 11 Nov 2024 13:18
Operator : JC\MD
Sample : P4774-06DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Quant Time: Nov 11 13:36:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

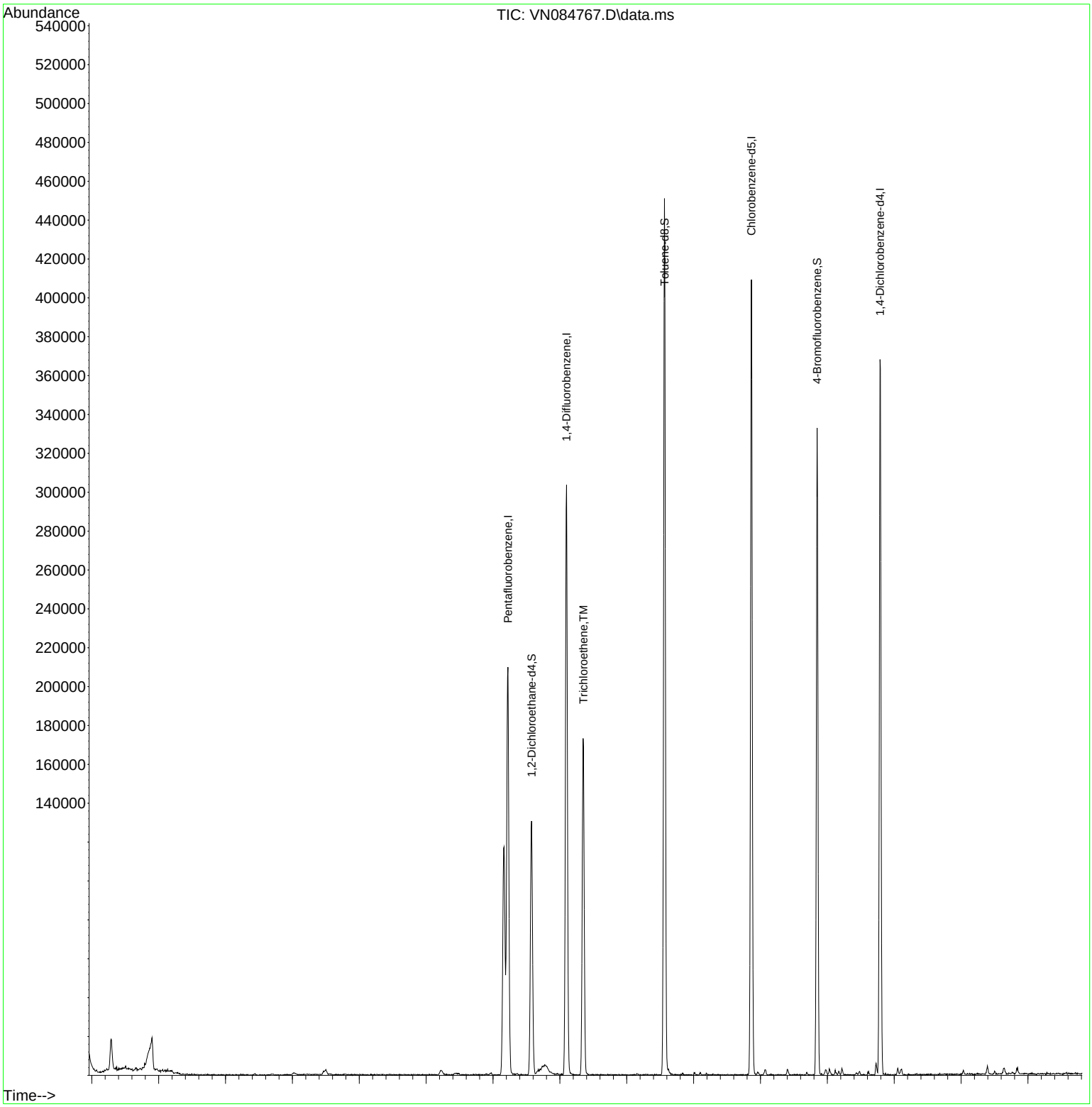
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107441	48.144	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.280%		
35) Dibromofluoromethane	8.165	113	88434	49.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.140%		
50) Toluene-d8	10.565	98	310695	47.275	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.540%		
62) 4-Bromofluorobenzene	12.847	95	115169	46.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.780%		
Target Compounds						Qvalue
44) Trichloroethene	9.353	130	63076	34.419	ug/l	92

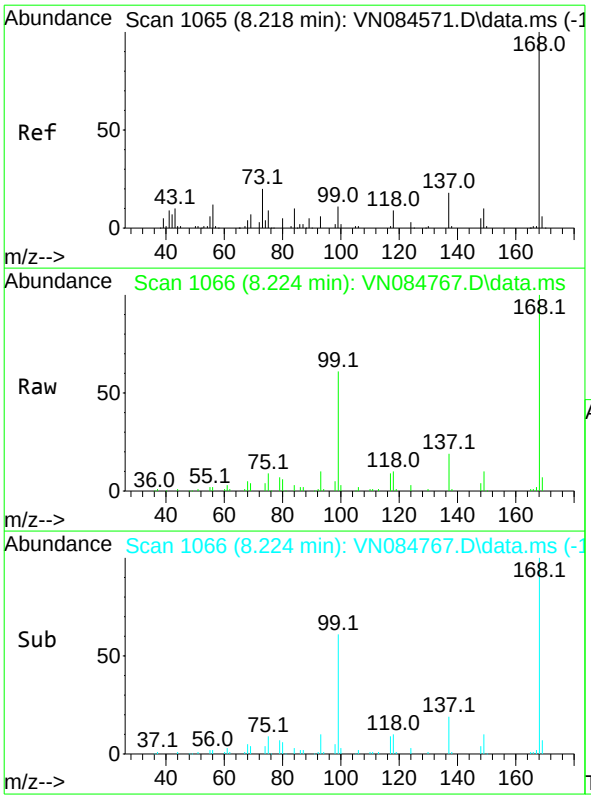
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084767.D
Acq On : 11 Nov 2024 13:18
Operator : JC\MD
Sample : P4774-06DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Quant Time: Nov 11 13:36:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



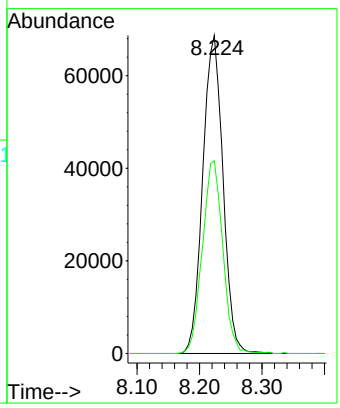


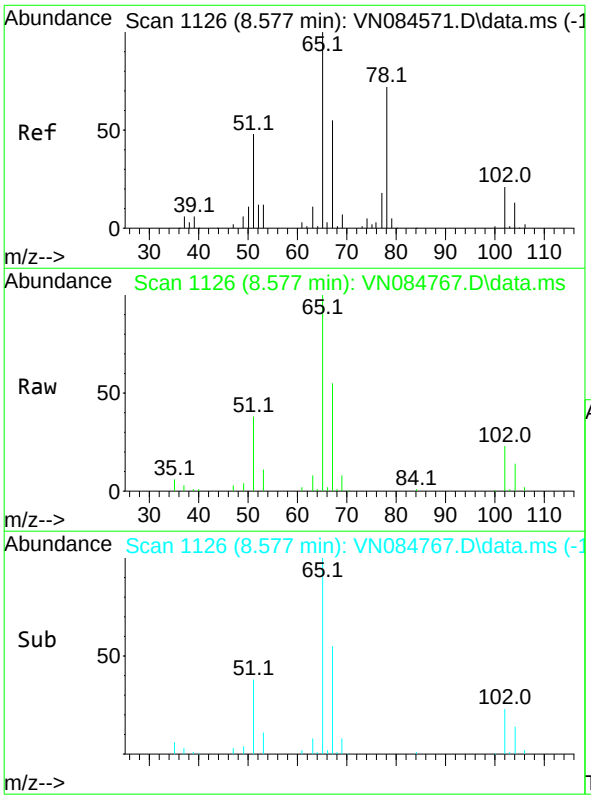
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Tgt Ion:168 Resp: 154512

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

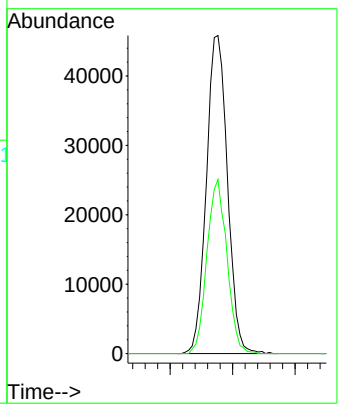


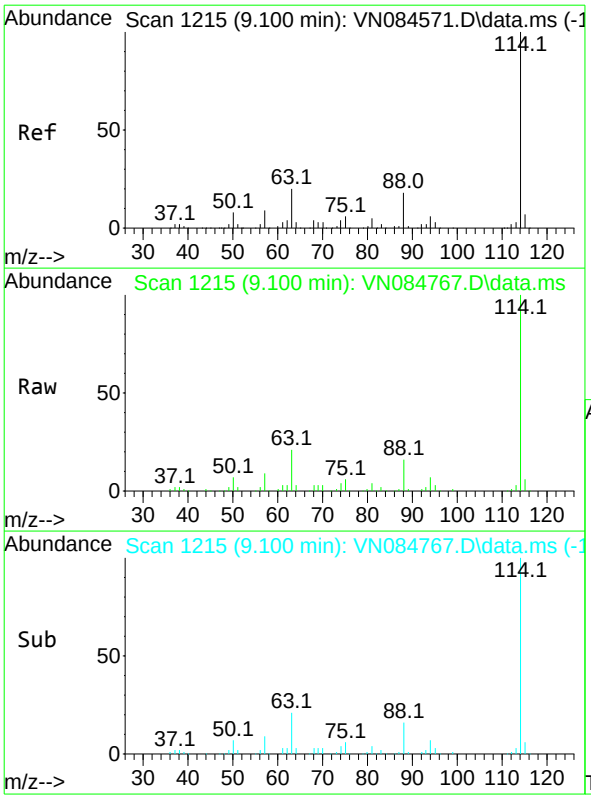


#33
1,2-Dichloroethane-d4
Concen: 48.144 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Tgt Ion: 65 Resp: 107441

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



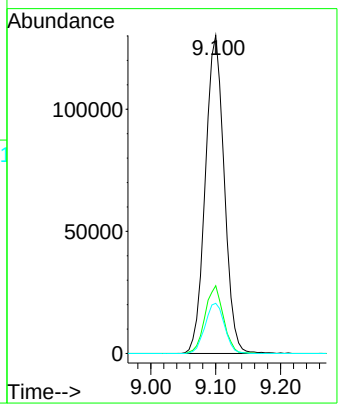


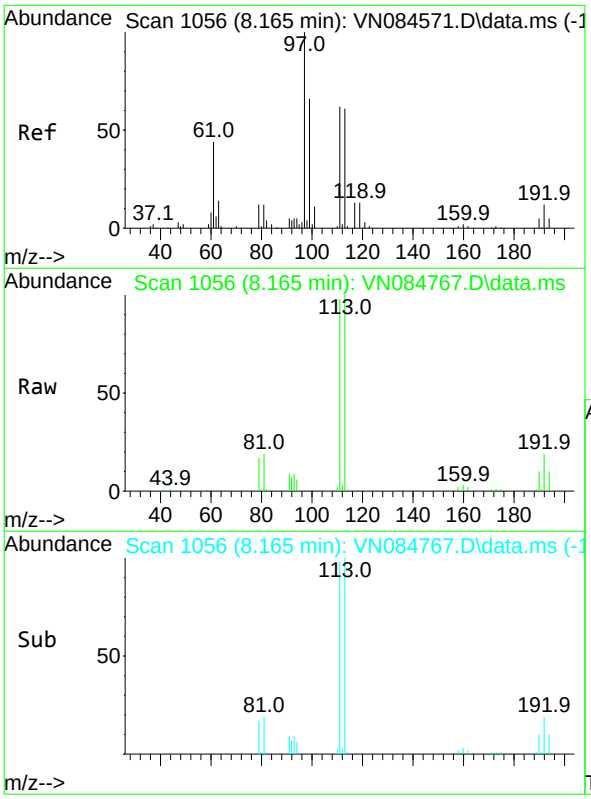
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Tgt Ion:114 Resp: 263580

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	15.8	0.0	31.6

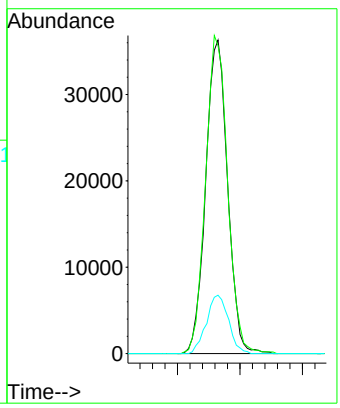


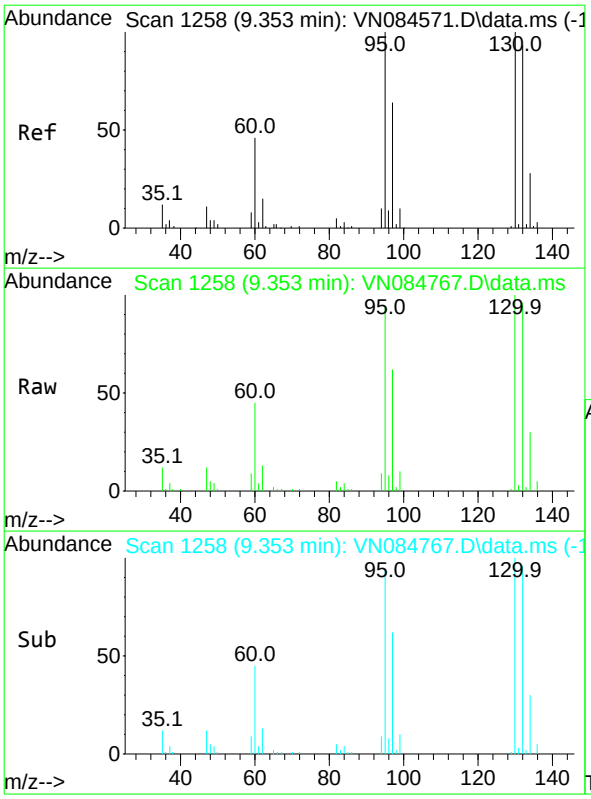


#35
Dibromofluoromethane
Concen: 49.567 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Tgt Ion:113 Resp: 88434

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.3	124.9
192	18.8	13.5	20.3



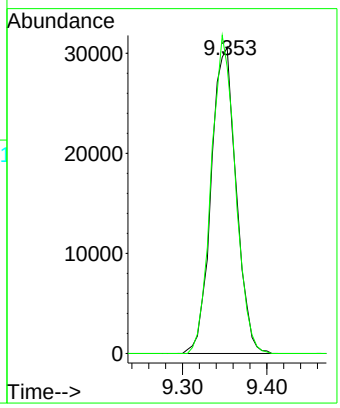


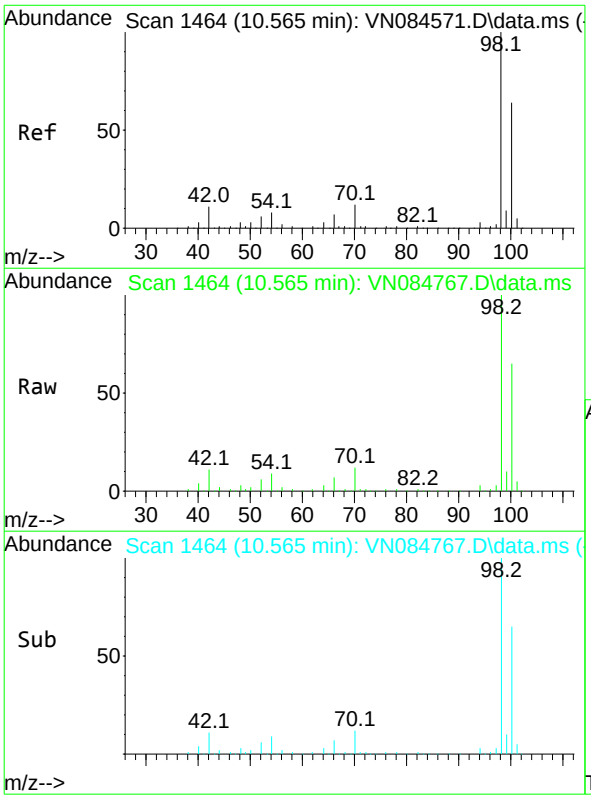
#44
Trichloroethene
Concen: 34.419 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Tgt Ion:130 Resp: 63076

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	203.0

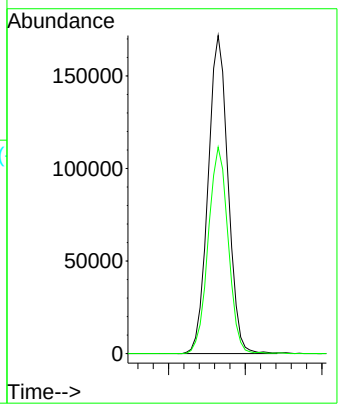


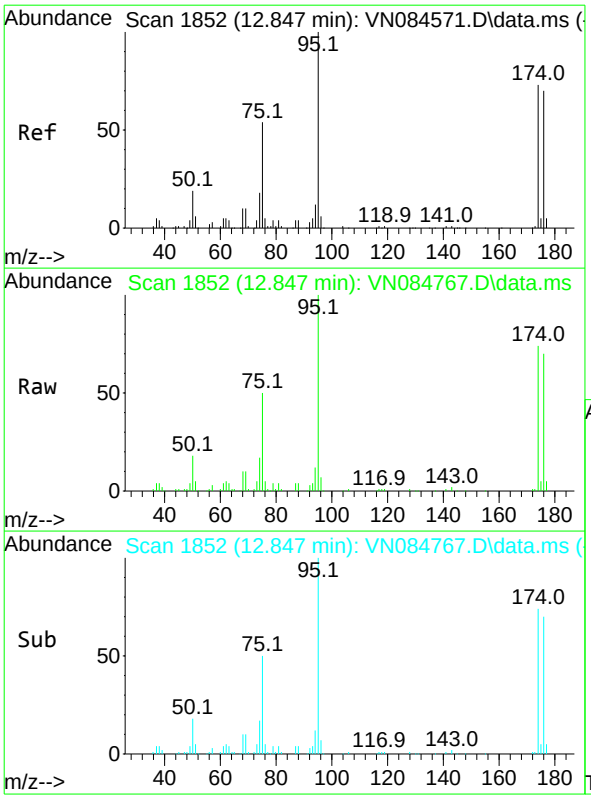


#50
Toluene-d8
Concen: 47.275 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Tgt Ion: 98 Resp: 310695

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1



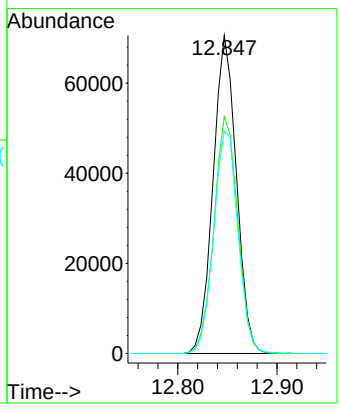


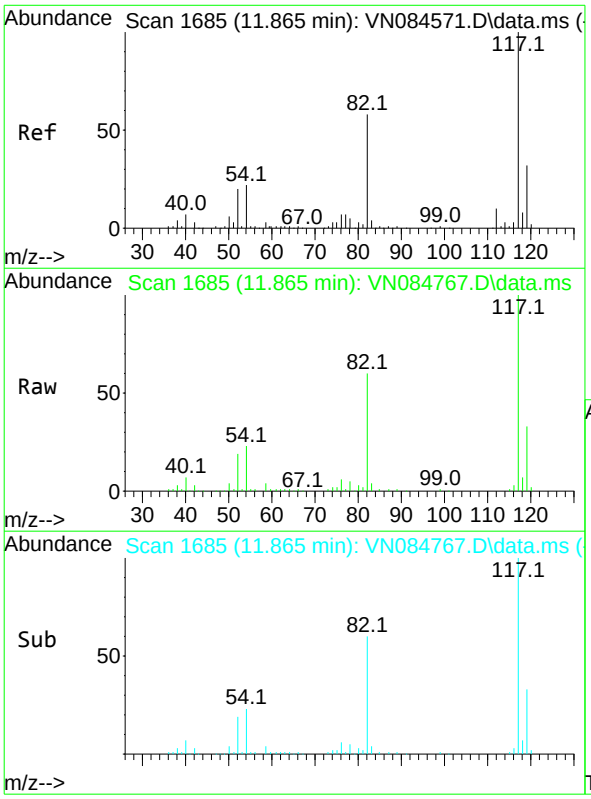
#62
4-Bromofluorobenzene
Concen: 46.889 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Tgt Ion: 95 Resp: 115169

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	145.2
176	73.4	0.0	140.0

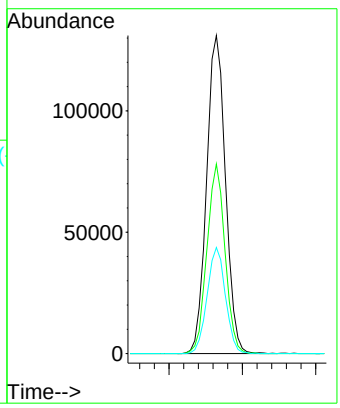


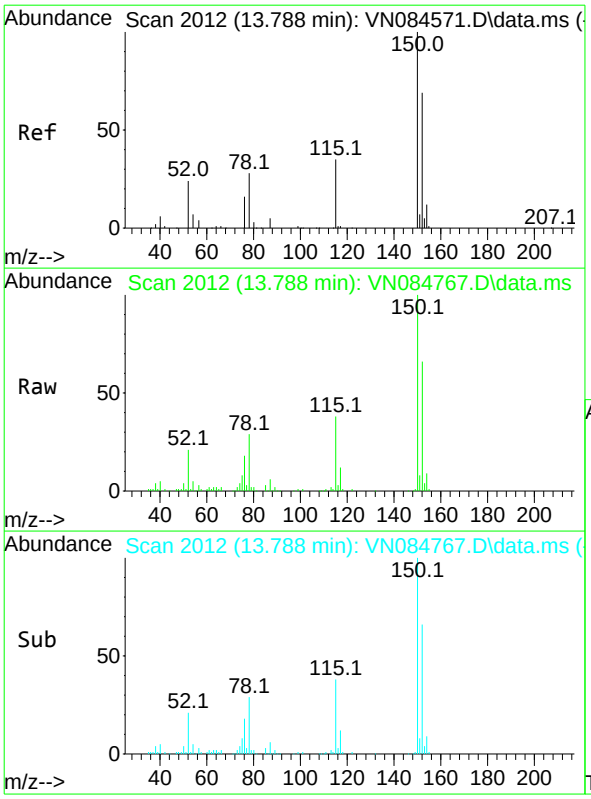


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Tgt Ion:117 Resp: 234257

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	33.4	25.4	38.0



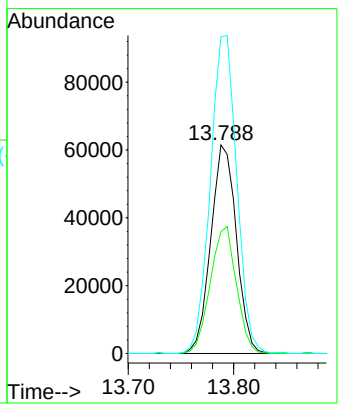


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084767.D
Acq: 11 Nov 2024 13:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-638-640DL

Tgt Ion:152 Resp: 103754

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.9
150	157.7	0.0	349.8



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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-658-660	SDG No.:	P4774
Lab Sample ID:	P4774-07	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084752.D	1		11/08/24 16:08	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.58	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.50		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.70		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	1.10		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	340	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.60		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-658-660	SDG No.:	P4774
Lab Sample ID:	P4774-07	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084752.D	1		11/08/24 16:08	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.7		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174000	8.218				
540-36-3	1,4-Difluorobenzene	304000	9.1				
3114-55-4	Chlorobenzene-d5	278000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-658-660	SDG No.:	P4774
Lab Sample ID:	P4774-07	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084752.D	1		11/08/24 16:08	VN110824

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\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Quant Time: Nov 08 22:32:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

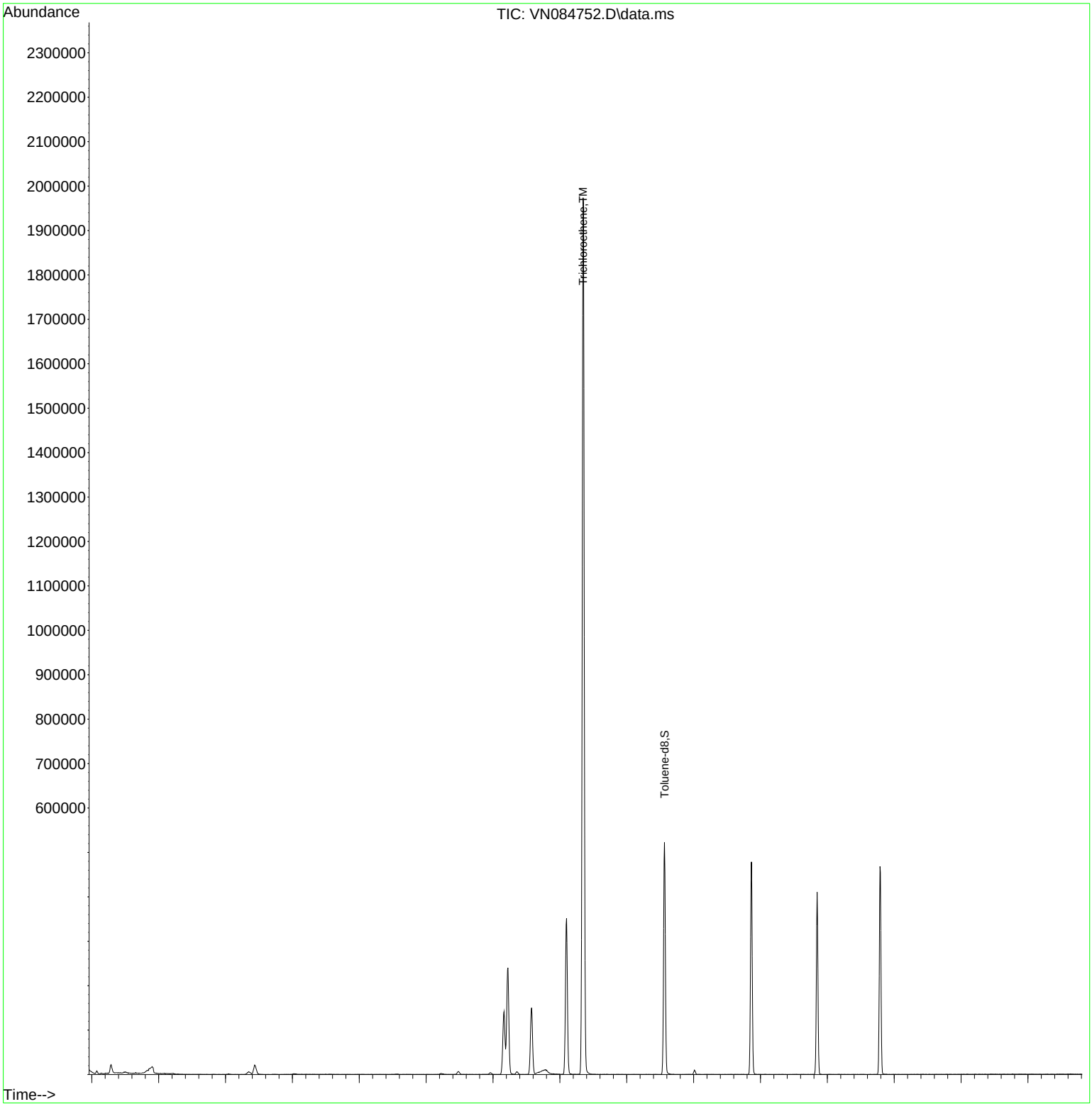
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123701	49.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.400%		
35) Dibromofluoromethane	8.165	113	100456	48.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.580%		
50) Toluene-d8	10.565	98	361418	47.654	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.300%		
62) 4-Bromofluorobenzene	12.847	95	140009	49.395	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.780%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.347	101	3907	1.950	ug/l	94
12) 1,1-Dichloroethene	4.324	96	1142	0.576	ug/l #	76
27) cis-1,2-Dichloroethene	7.483	96	4061	1.708	ug/l	91
30) Chloroform	7.959	83	4303	1.102	ug/l	95
38) Carbon Tetrachloride	8.359	117	4738	1.485	ug/l #	89
44) Trichloroethene	9.347	130	719966	340.433	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	3274	1.621	ug/l	94

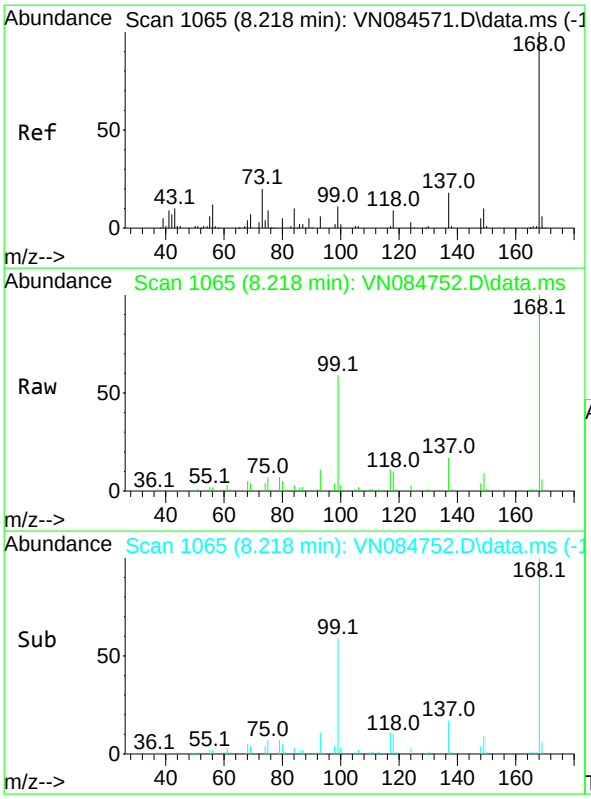
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Quant Time: Nov 08 22:32:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



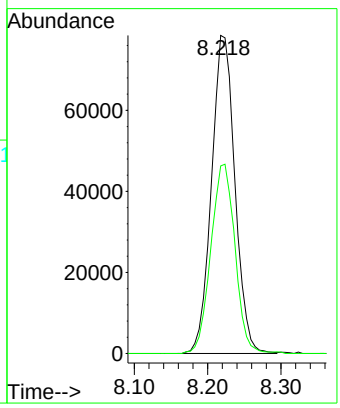


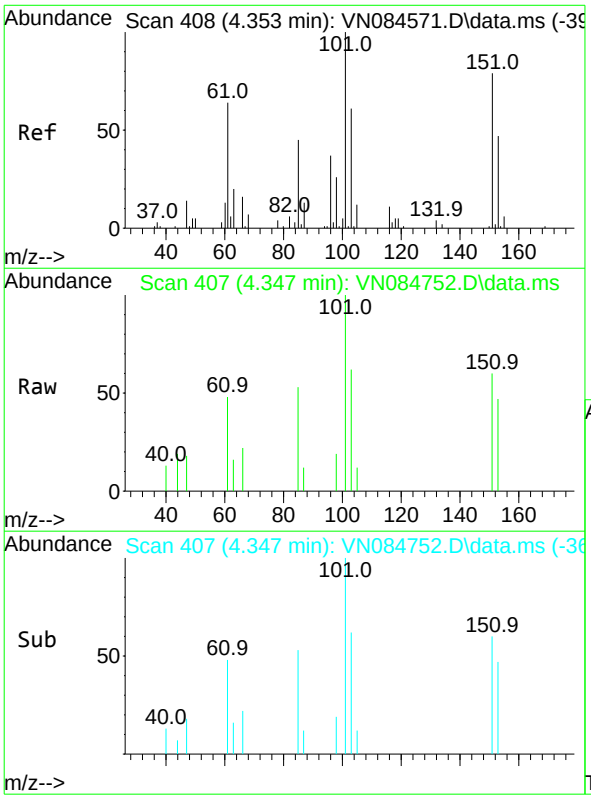
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion:168 Resp: 174093

Ion	Ratio	Lower	Upper
168	100		
99	59.0	54.2	81.2

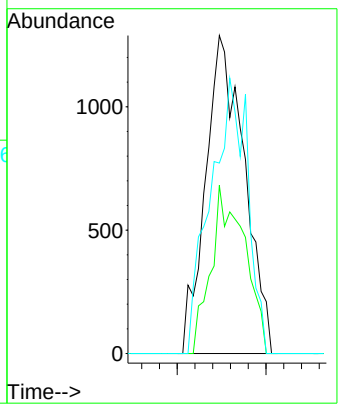


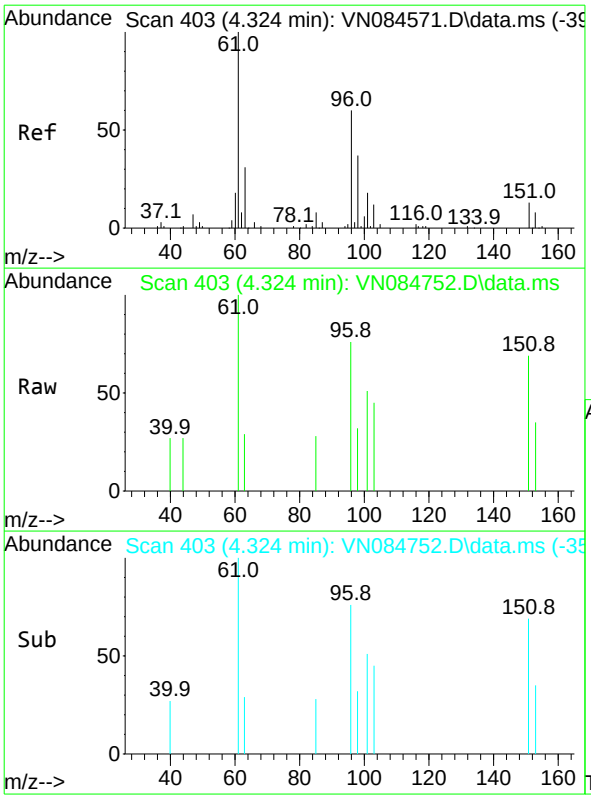


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.950 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.024 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion:101 Resp: 3907

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	82.4	59.3	88.9



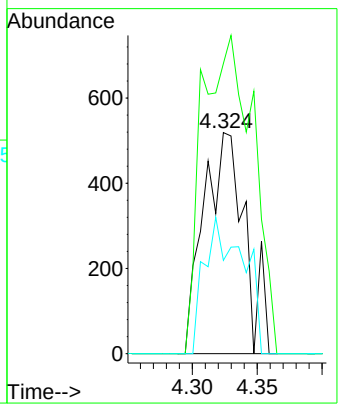


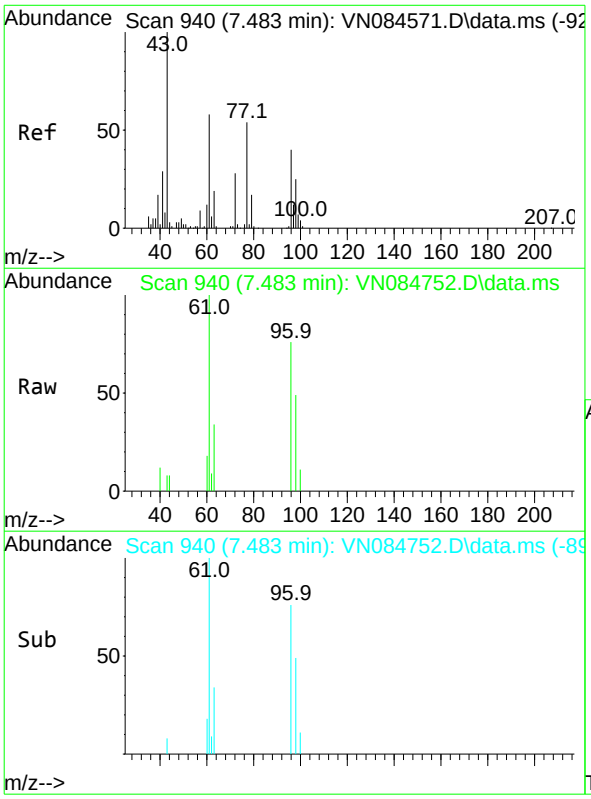
#12
1,1-Dichloroethene
Concen: 0.576 ug/l
RT: 4.324 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion: 96 Resp: 1142

Ion	Ratio	Lower	Upper
96	100		
61	131.2	128.6	192.8
98	42.2	51.7	77.5#

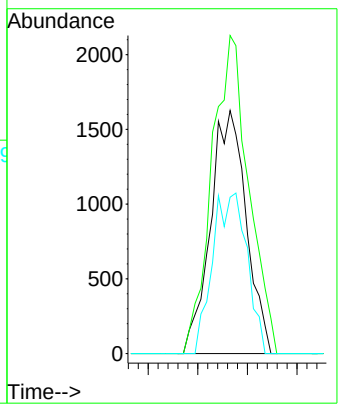


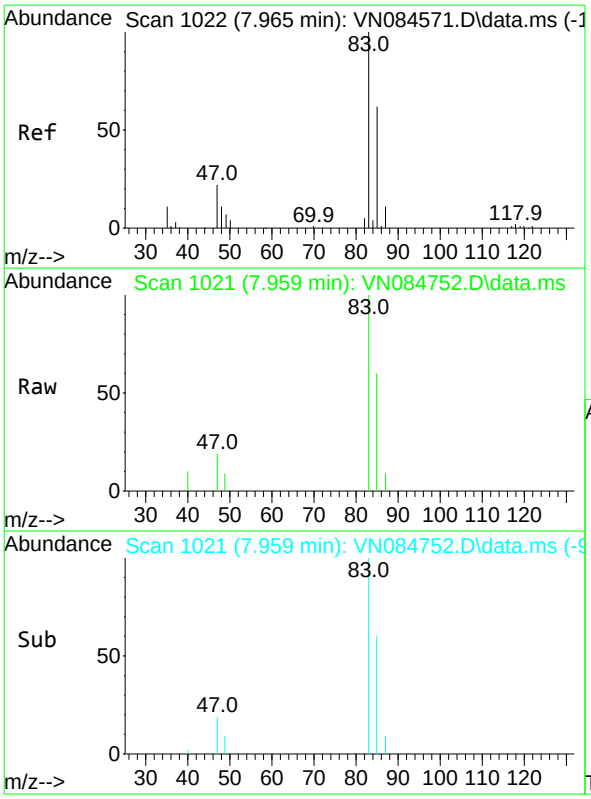


#27
cis-1,2-Dichloroethene
Concen: 1.708 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 96 Resp: 4061

Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	301.8
98	63.7	0.0	128.2



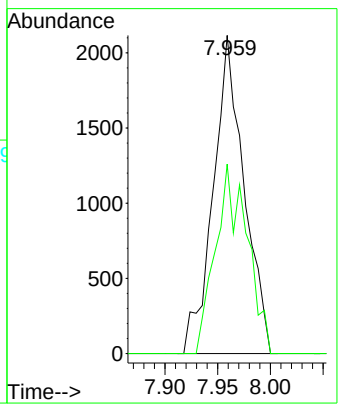


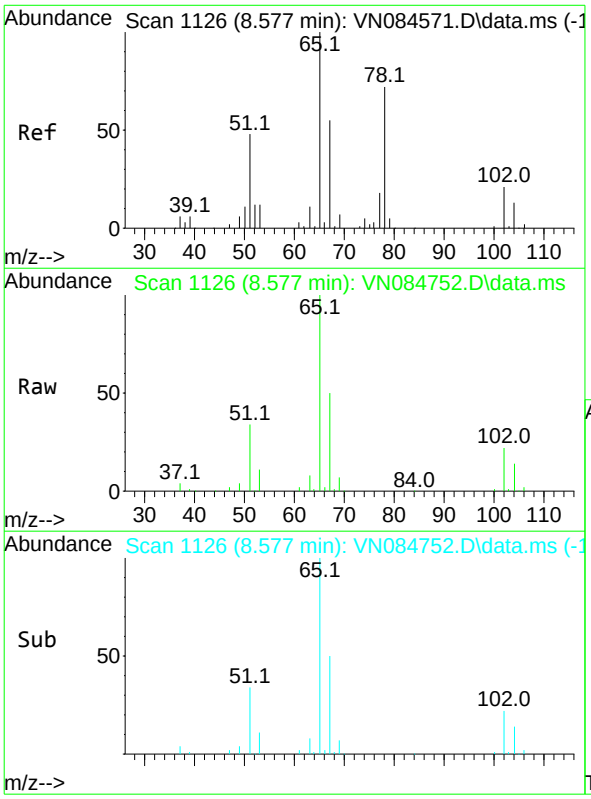
#30
Chloroform
Concen: 1.102 ug/l
RT: 7.959 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion: 83 Resp: 4303

Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.0	76.4

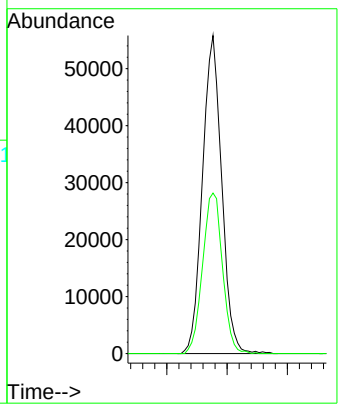


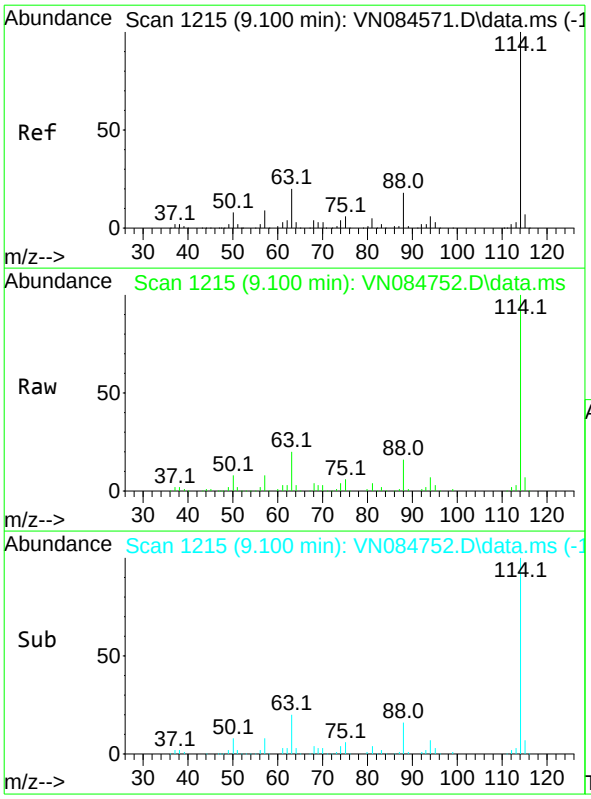


#33
1,2-Dichloroethane-d4
Concen: 49.195 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 65 Resp: 123701

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



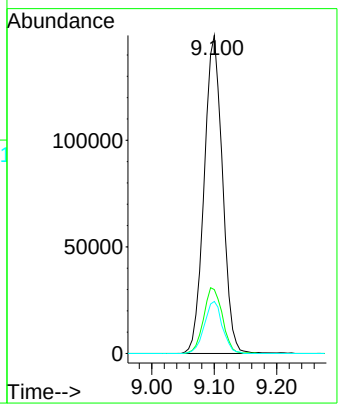


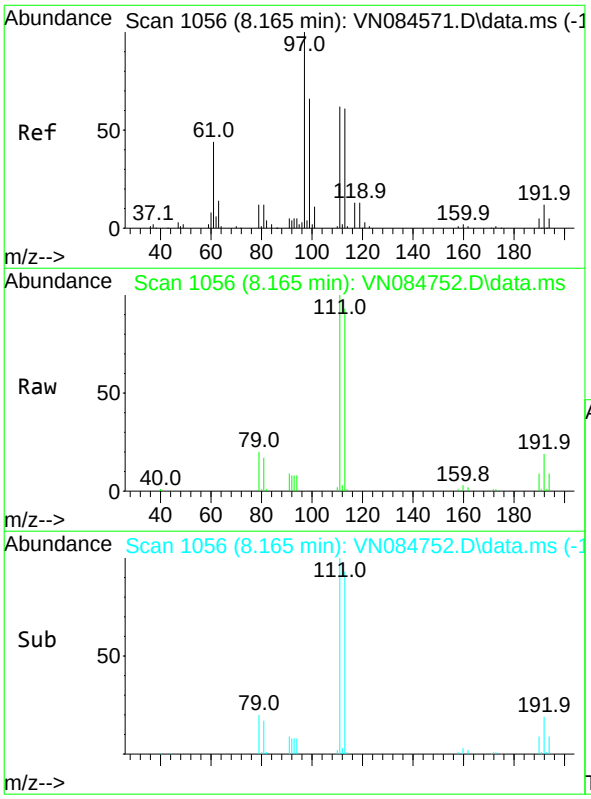
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion:114 Resp: 304174

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	16.4	0.0	31.6

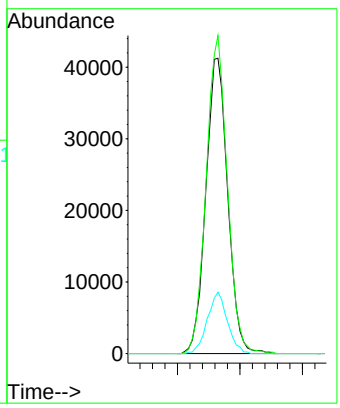


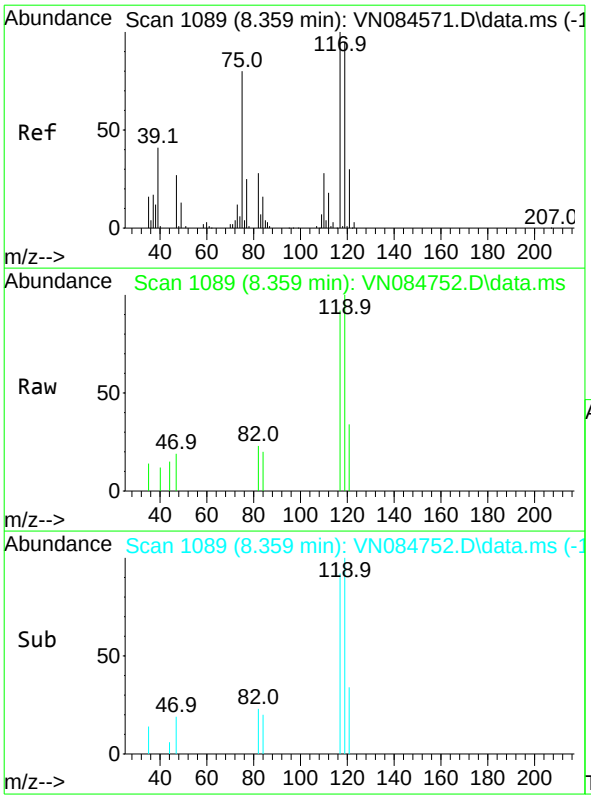


#35
Dibromofluoromethane
Concen: 48.791 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion:113 Resp: 100456

Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.3	124.9
192	19.0	13.5	20.3



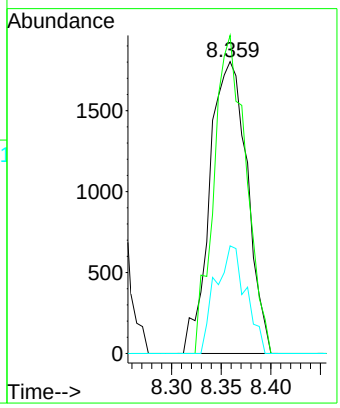


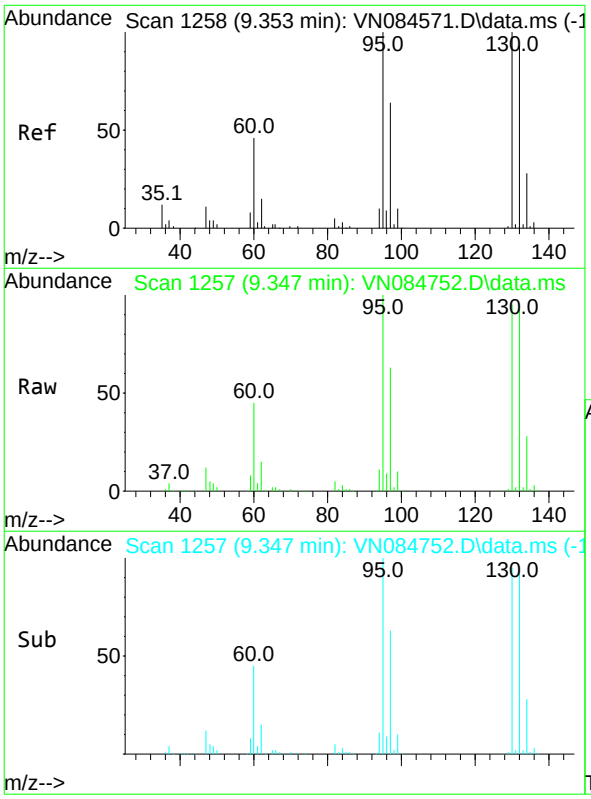
#38
Carbon Tetrachloride
Concen: 1.485 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion:117 Resp: 4738

Ion	Ratio	Lower	Upper
117	100		
119	109.0	78.7	118.1
121	36.9	24.4	36.6#

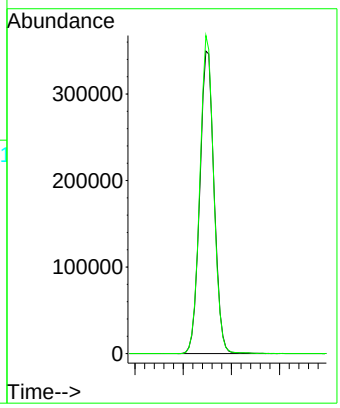


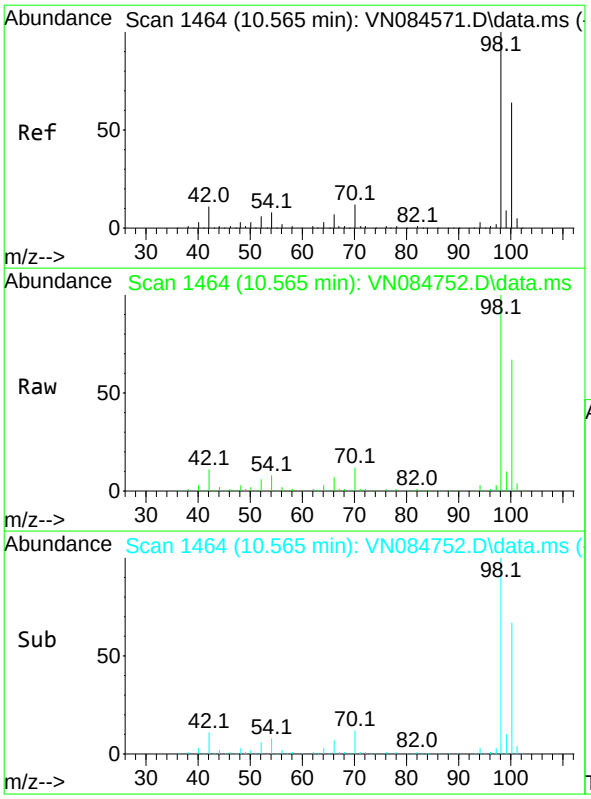


#44
Trichloroethene
Concen: 340.433 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion:130 Resp: 719966

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	203.0



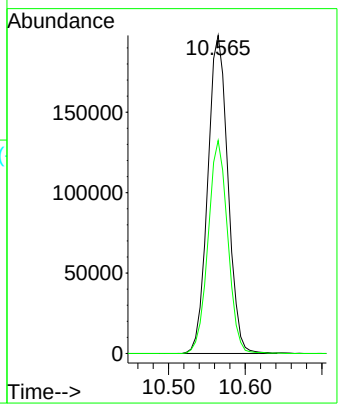


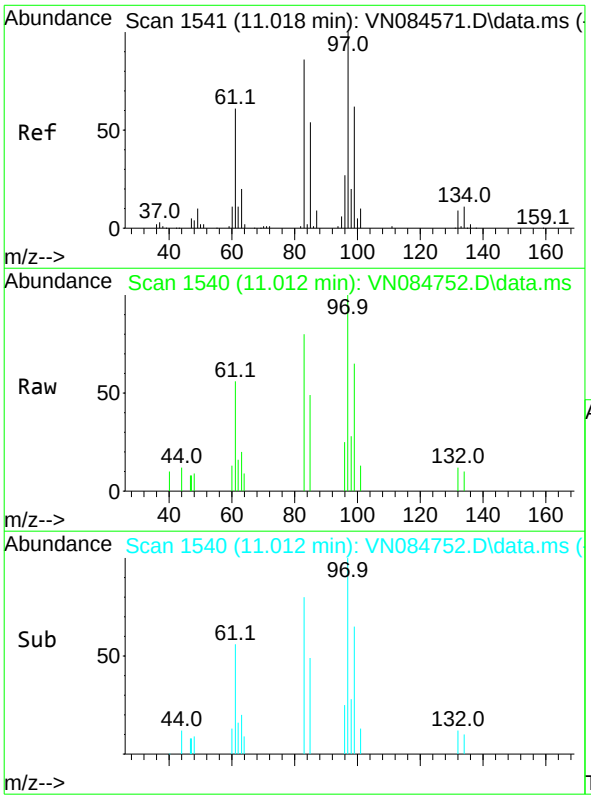
#50
Toluene-d8
Concen: 47.654 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion: 98 Resp: 361418

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

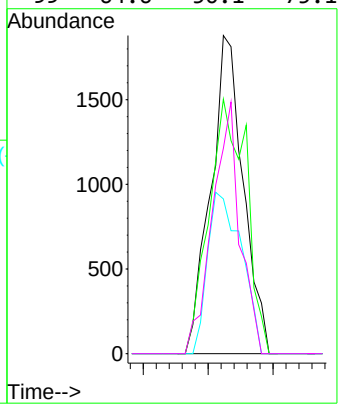


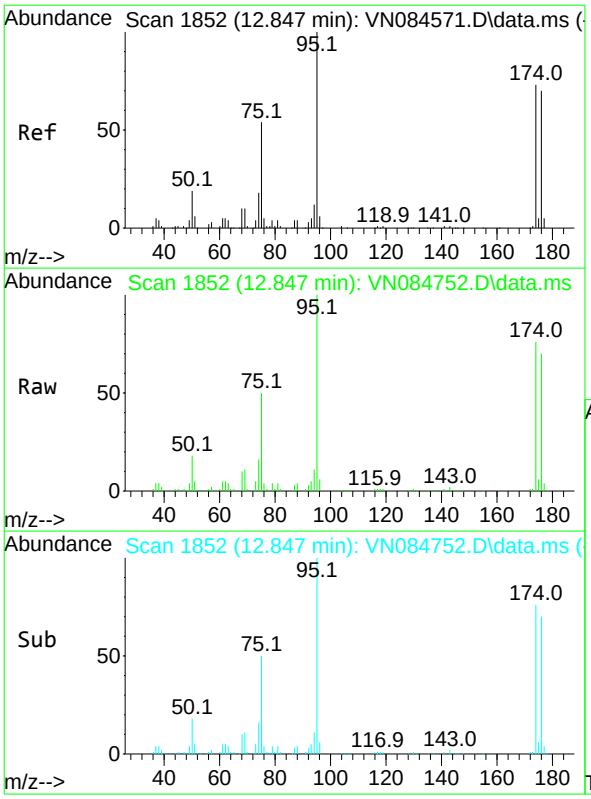


#55
1,1,2-Trichloroethane
Concen: 1.621 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion: 97 Resp: 3274

Ion	Ratio	Lower	Upper
97	100		
83	80.0	71.0	106.4
85	48.6	41.7	62.5
99	64.6	50.1	75.1



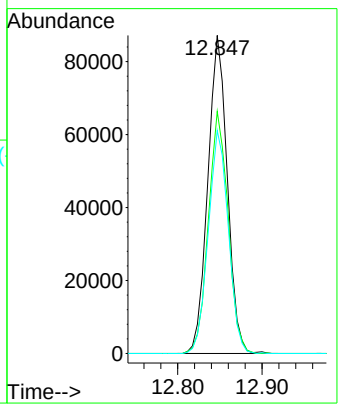


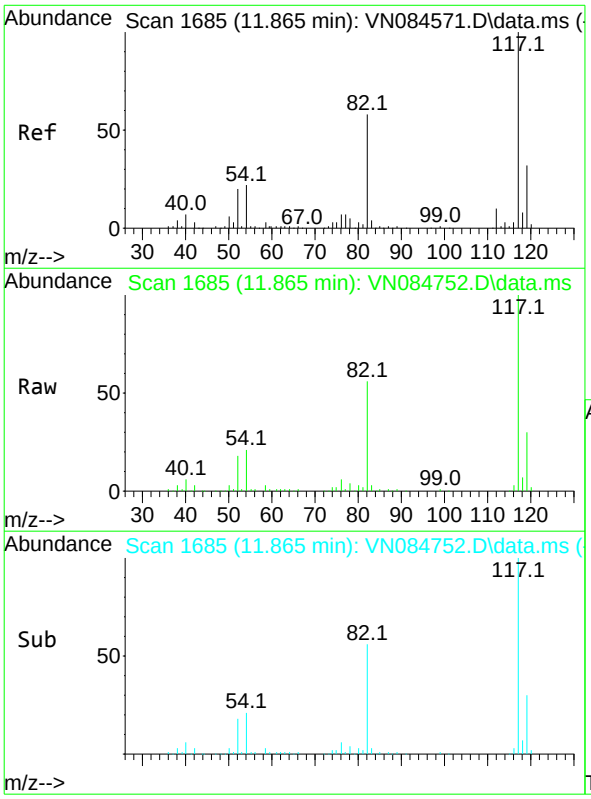
#62
4-Bromofluorobenzene
Concen: 49.395 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion: 95 Resp: 140009

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	145.2
176	72.0	0.0	140.0

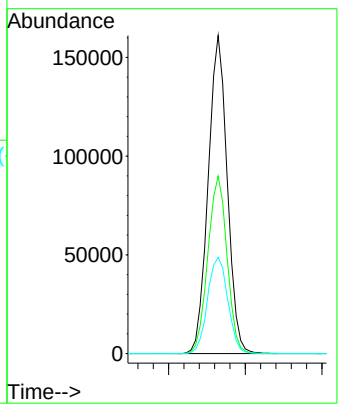


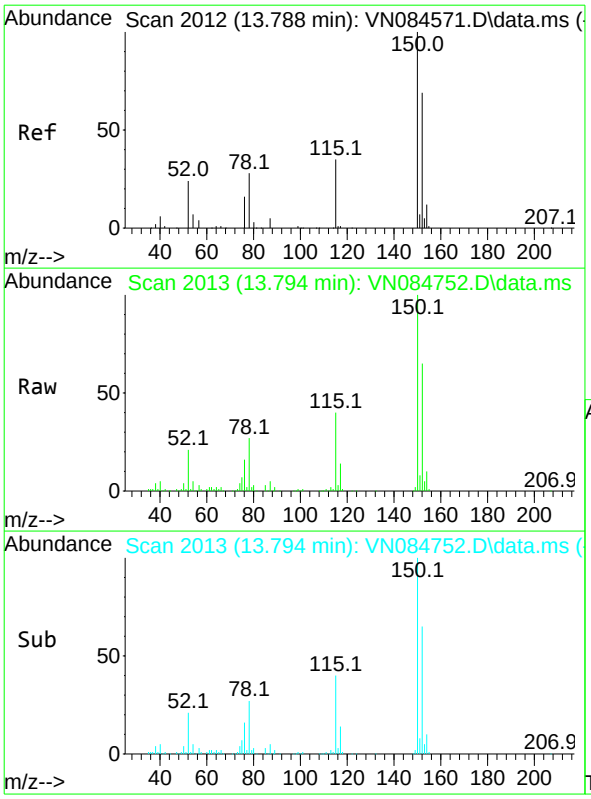


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Tgt Ion:117 Resp: 278360

Ion	Ratio	Lower	Upper
117	100		
82	55.9	47.2	70.8
119	30.3	25.4	38.0



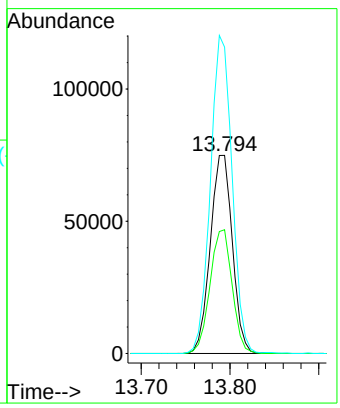


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084752.D
Acq: 08 Nov 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Tgt Ion:152 Resp: 129510

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	157.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084752.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	67	rBV3	19210	40737	1.01%	0.434%
2	2.900	152	161	170	rVB8	14751	54133	1.34%	0.577%
3	4.436	414	422	435	rVB	21227	59852	1.48%	0.638%
4	8.165	1046	1056	1060	rBV	141371	327995	8.10%	3.495%
5	8.224	1060	1066	1078	rVB	239601	537182	13.27%	5.724%
6	8.577	1117	1126	1135	rBV	149524	335854	8.30%	3.578%
7	9.100	1204	1215	1226	rBV	350917	717377	17.72%	7.644%
8	9.347	1248	1257	1279	rBV	1973155	4048212	100.00%	43.133%
9	10.565	1456	1464	1479	rBV	522676	951685	23.51%	10.140%
10	11.865	1674	1685	1695	rBV	478553	847593	20.94%	9.031%
11	12.847	1844	1852	1860	rBV	410414	667895	16.50%	7.116%
12	13.788	2005	2012	2023	rBV	468117	796829	19.68%	8.490%

Sum of corrected areas: 9385344

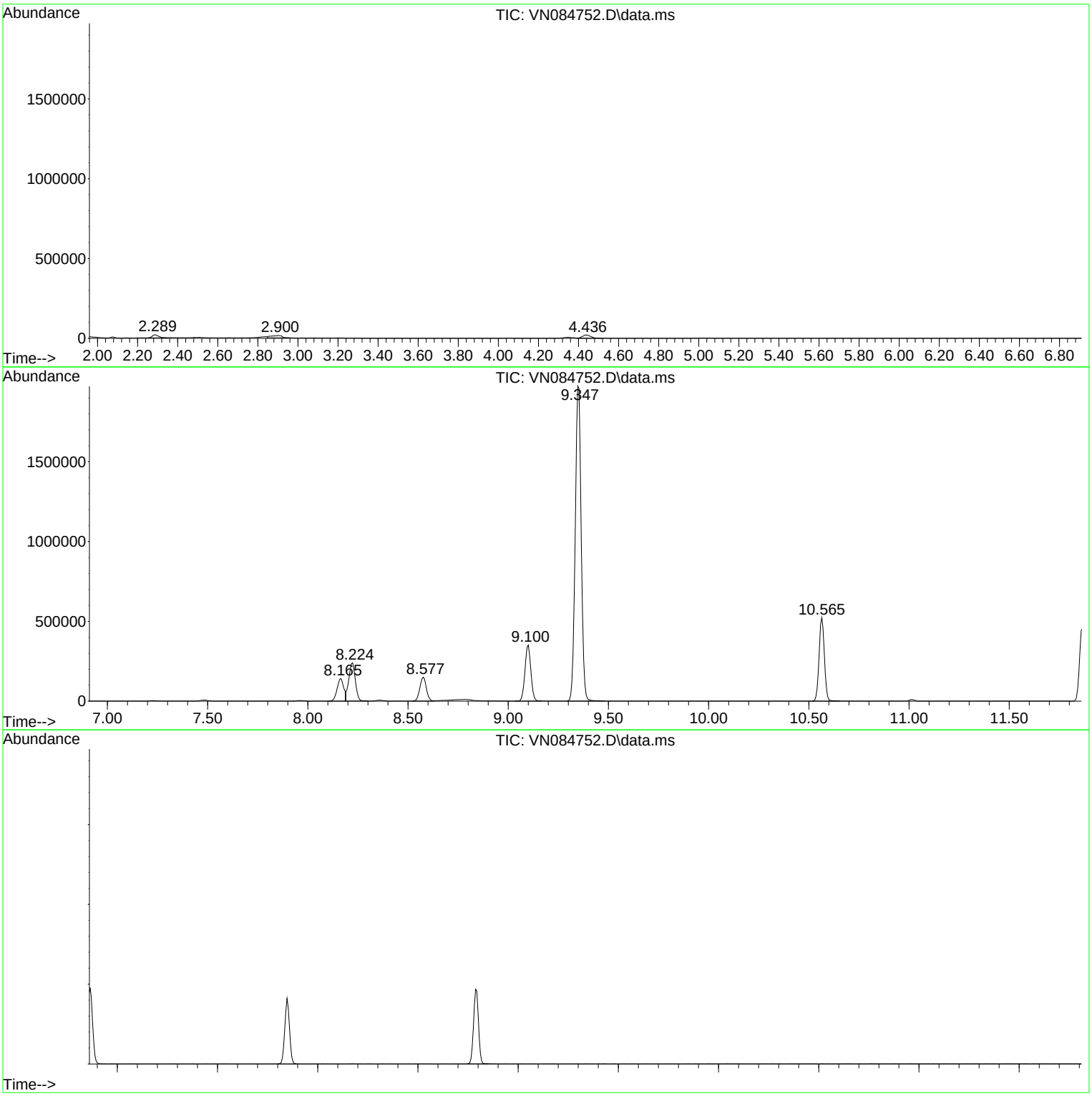
Sample Results: **VN084752.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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\VN110824\
Data File : VN084752.D
Acq On : 08 Nov 2024 16:08
Operator : JC\MD
Sample : P4774-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-658-660DL	SDG No.:	P4774
Lab Sample ID:	P4774-07DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084768.D	10		11/11/24 13:42	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	5.00	UD	3.50	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	3.40	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	13.6	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	5.60	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.40	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.60	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	13.9	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	3.20	7.50	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	UD	1.60	5.00	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	3.20	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.50	5.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	5.00	UD	2.30	5.00	10.0	ug/L
78-93-3	2-Butanone	25.0	UD	13.0	25.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	2.50	5.00	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	7.50	UD	2.50	7.50	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.60	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	1.90	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.90	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.60	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.40	5.00	10.0	ug/L
79-01-6	Trichloroethene	300	D	3.20	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	5.00	UD	1.90	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.40	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	7.50	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.80	5.00	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	5.00	UD	2.10	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.80	5.00	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	UD	2.10	5.00	10.0	ug/L
591-78-6	2-Hexanone	25.0	UD	11.3	25.0	50.0	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:	11/06/24
Project:	CTO WE13	Date Received:	11/07/24
Client Sample ID:	BP-VPB-190-GW-658-660DL	SDG No.:	P4774
Lab Sample ID:	P4774-07DL	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084768.D	10		11/11/24 13:42	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	2.50	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.30	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.60	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	3.10	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.40	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.60	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	2.10	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.30	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.70	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	2.40	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	2.70	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	46.5		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169000	8.218				
540-36-3	1,4-Difluorobenzene	290000	9.1				
3114-55-4	Chlorobenzene-d5	258000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.794				

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\VN111124\
Data File : VN084768.D
Acq On : 11 Nov 2024 13:42
Operator : JC\MD
Sample : P4774-07DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Quant Time: Nov 11 14:00:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

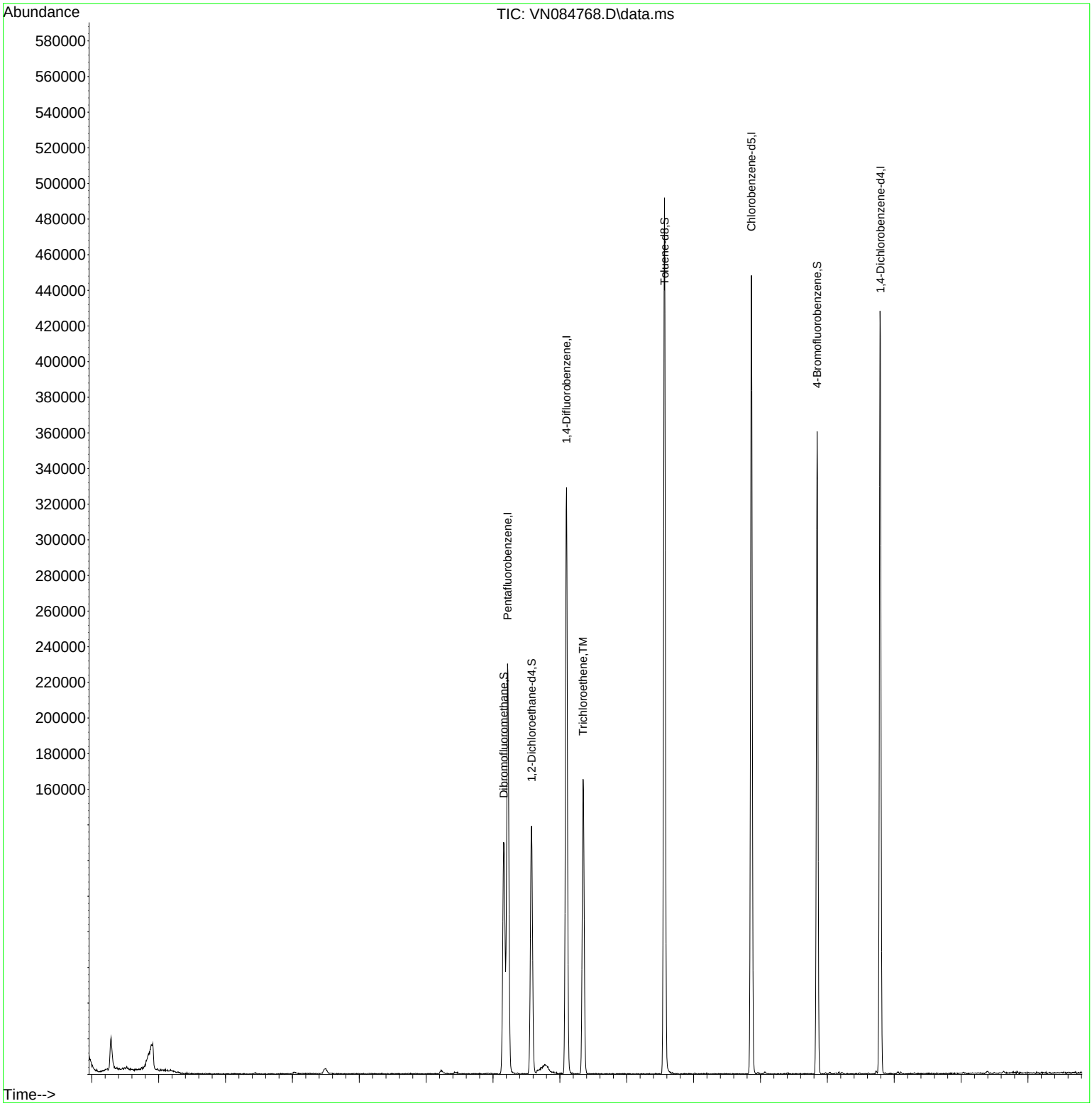
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	168500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117987	48.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.960%		
35) Dibromofluoromethane	8.159	113	96510	49.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	10.565	98	336725	46.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.040%		
62) 4-Bromofluorobenzene	12.847	95	126472	46.753	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.500%		
Target Compounds						Qvalue
44) Trichloroethene	9.347	130	60105	29.780	ug/l	97

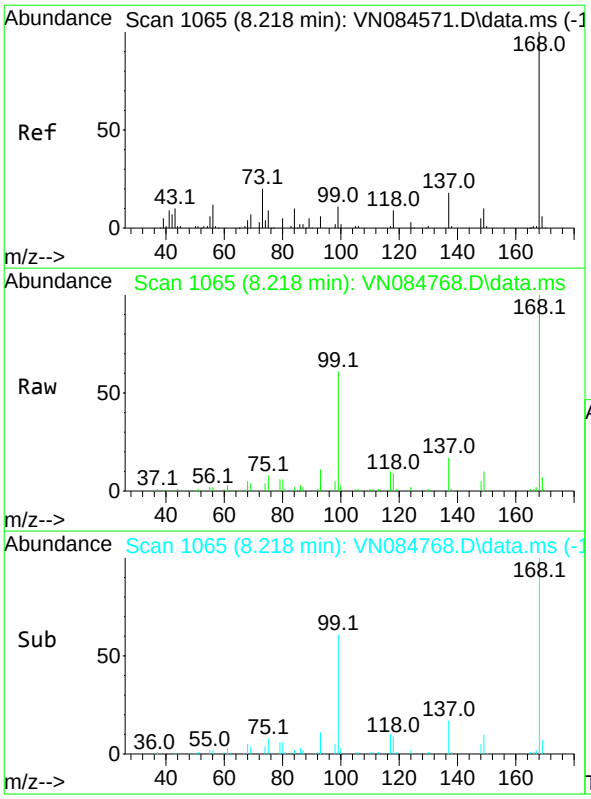
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084768.D
Acq On : 11 Nov 2024 13:42
Operator : JC\MD
Sample : P4774-07DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Quant Time: Nov 11 14:00:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



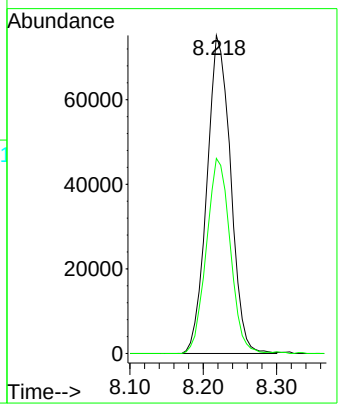


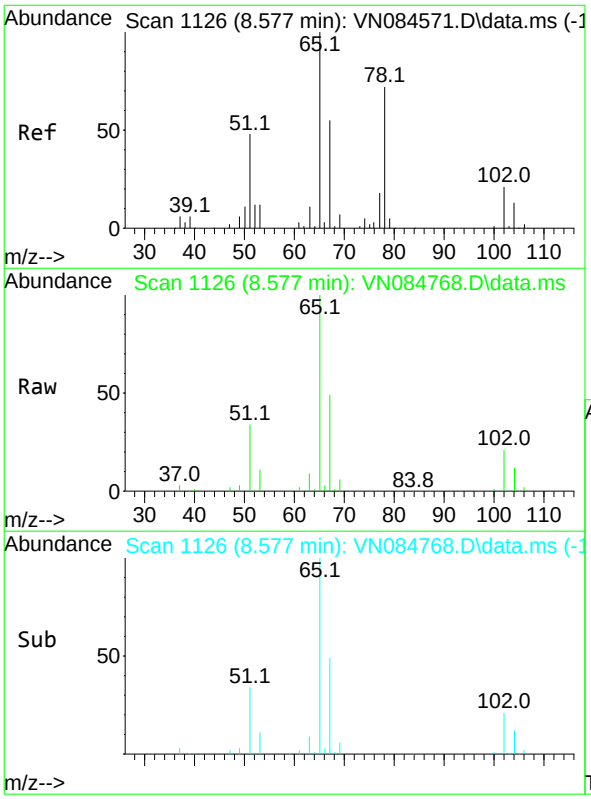
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Tgt Ion:168 Resp: 168500

Ion	Ratio	Lower	Upper
168	100		
99	61.3	54.2	81.2

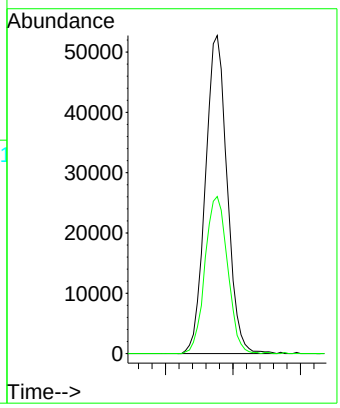


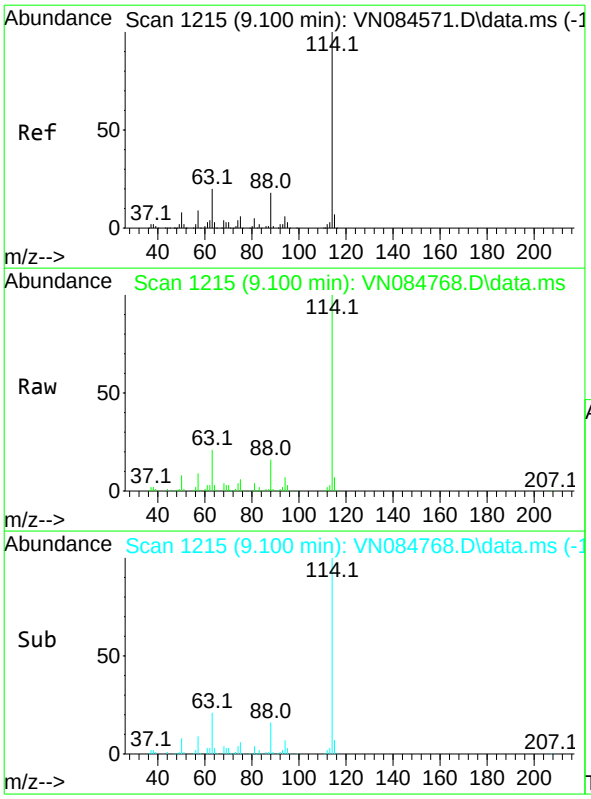


#33
1,2-Dichloroethane-d4
Concen: 48.480 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Tgt Ion: 65 Resp: 117987

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.0



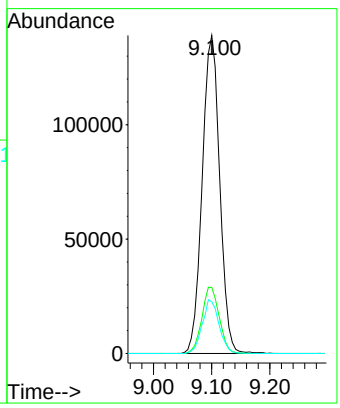


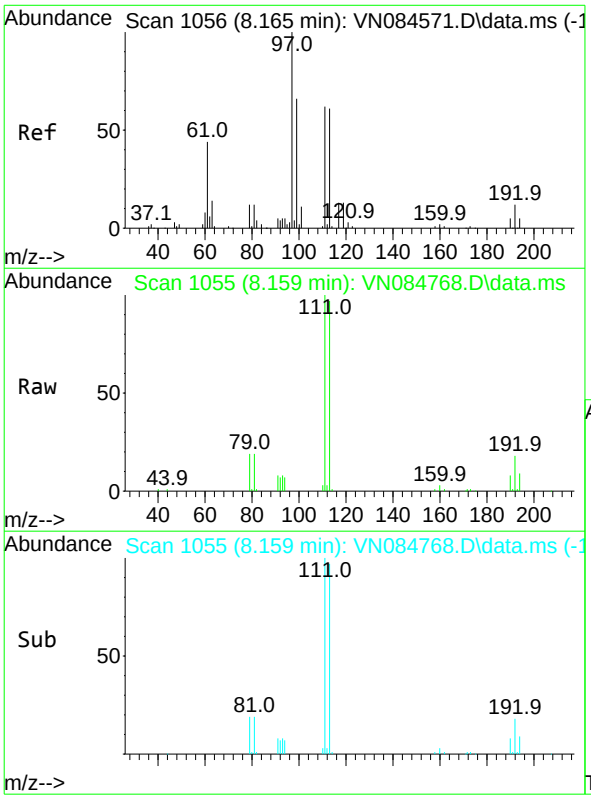
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Tgt Ion:114 Resp: 290288

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.8
88	16.3	0.0	31.6

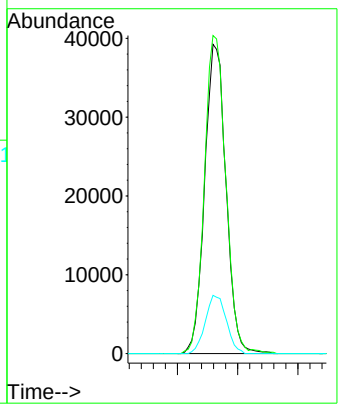


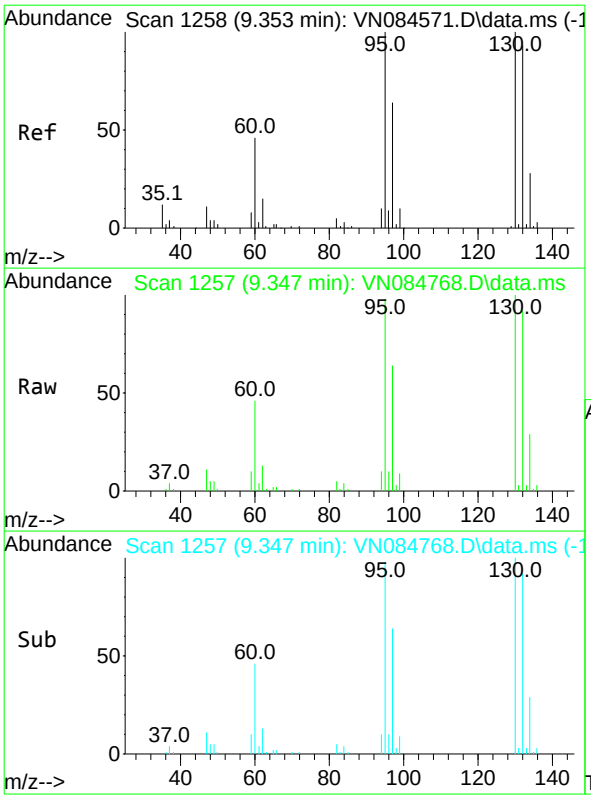


#35
Dibromofluoromethane
Concen: 49.117 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Tgt Ion:113 Resp: 96510

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.5	13.5	20.3



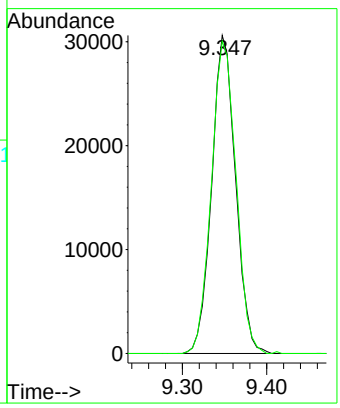


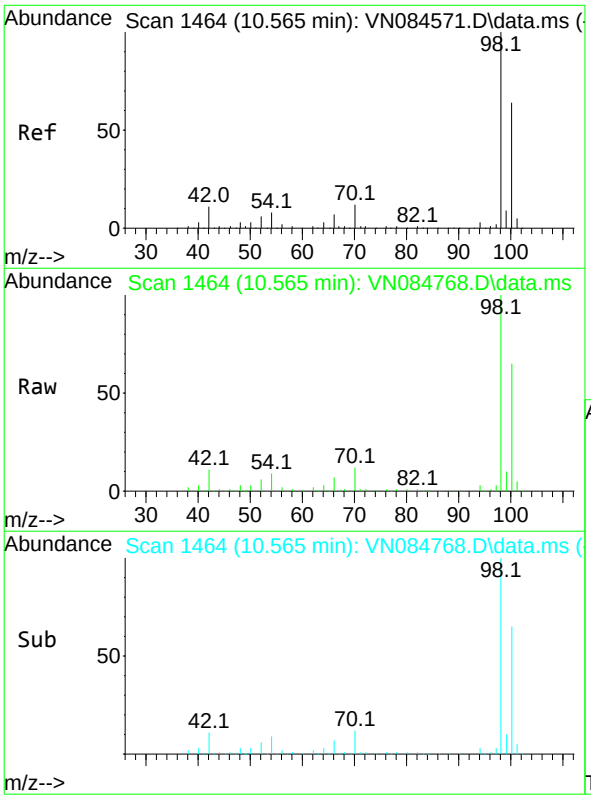
#44
Trichloroethene
Concen: 29.780 ug/l
RT: 9.347 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Tgt Ion:130 Resp: 60105

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	203.0

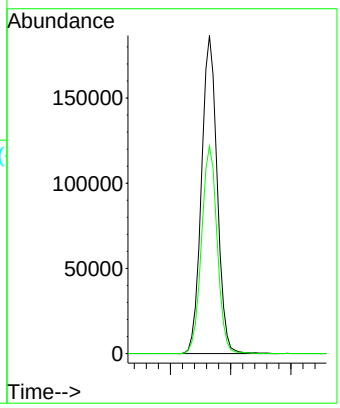


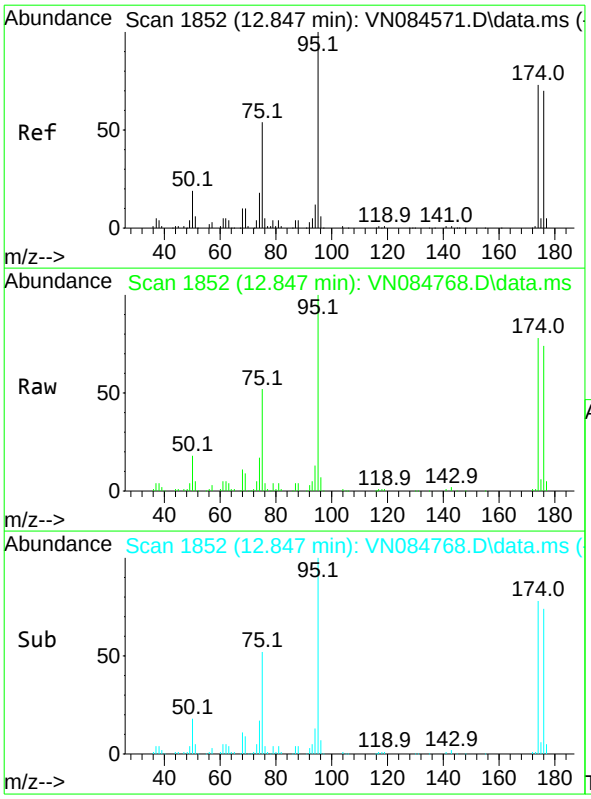


#50
Toluene-d8
Concen: 46.521 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Tgt Ion: 98 Resp: 336725

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



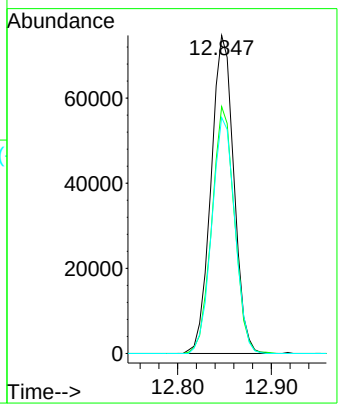


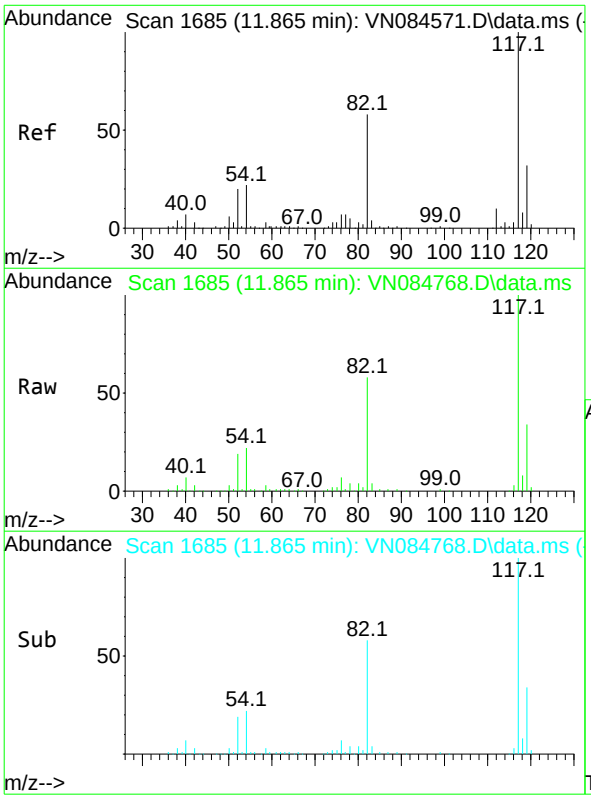
#62
4-Bromofluorobenzene
Concen: 46.753 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Tgt Ion: 95 Resp: 126472

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	145.2
176	74.7	0.0	140.0

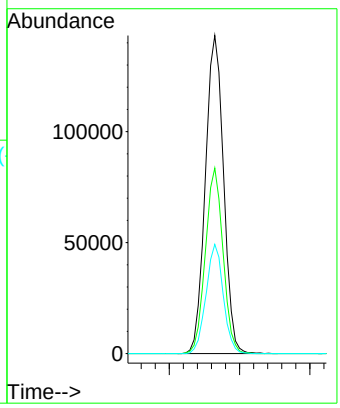


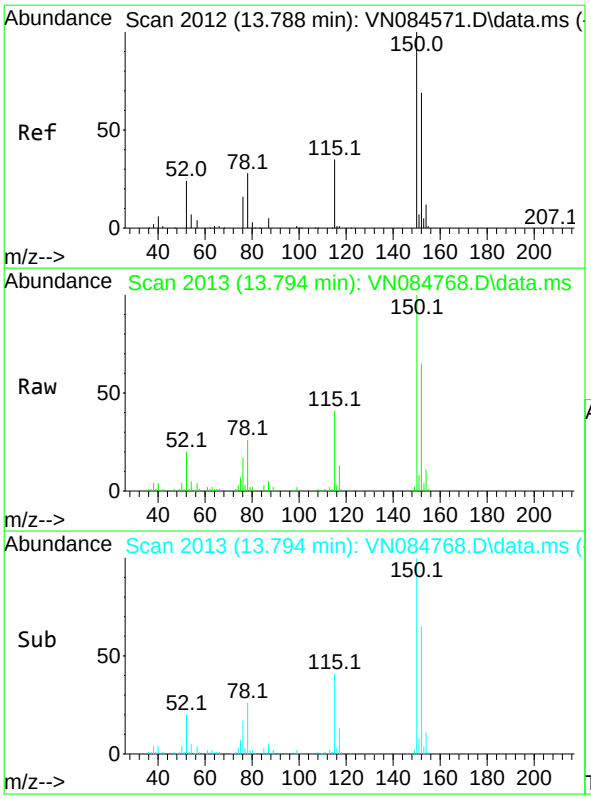


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Tgt Ion:117 Resp: 257812

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	34.3	25.4	38.0



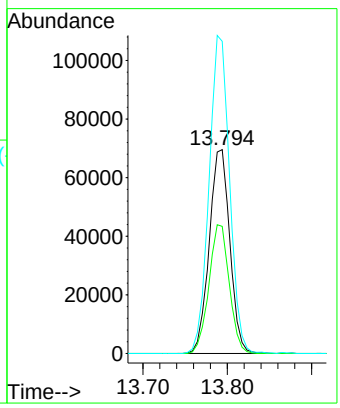


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084768.D
Acq: 11 Nov 2024 13:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-658-660DL

Tgt Ion:152 Resp: 117948

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	155.3	0.0	349.8



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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1

* 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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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 : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

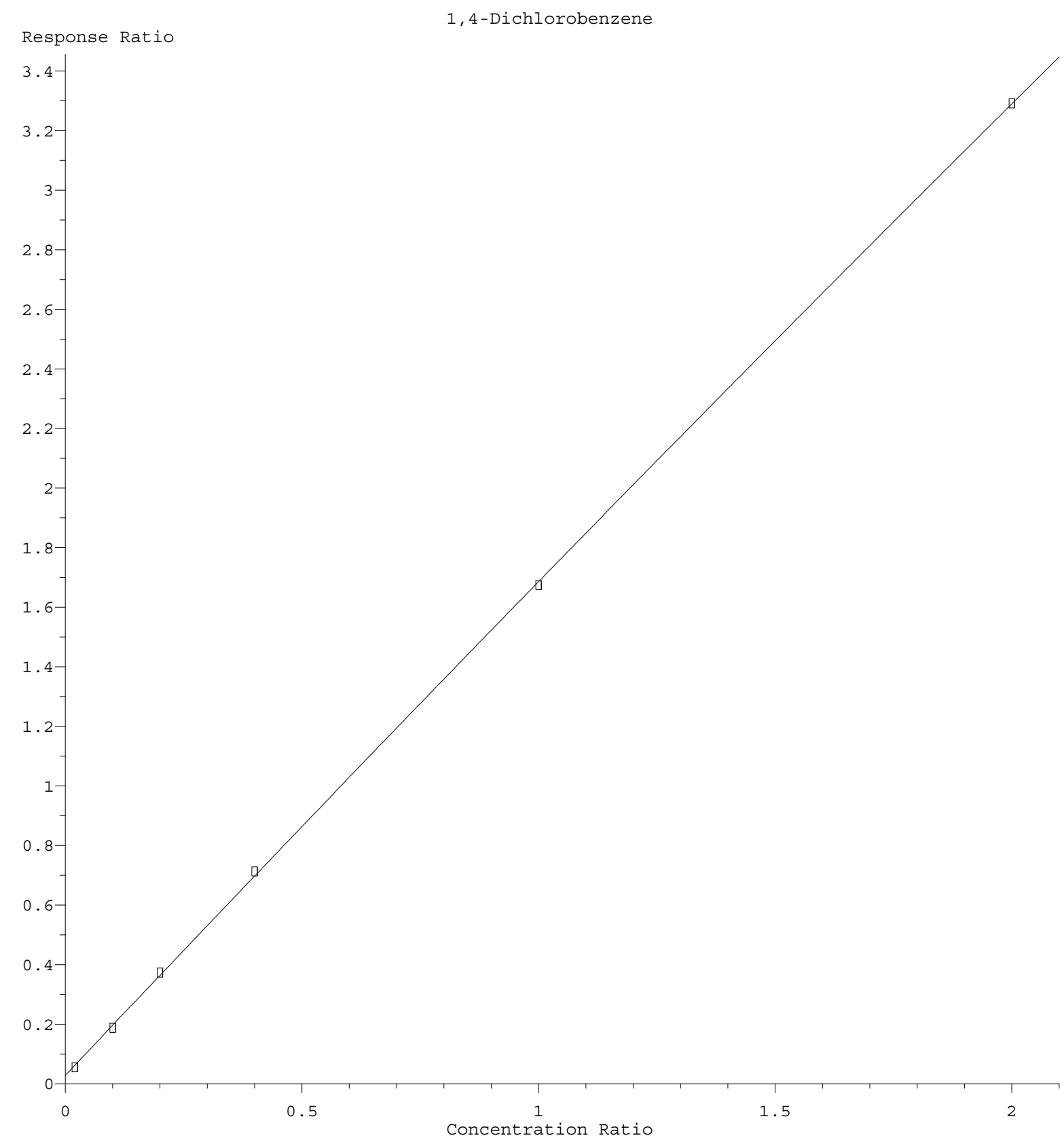
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

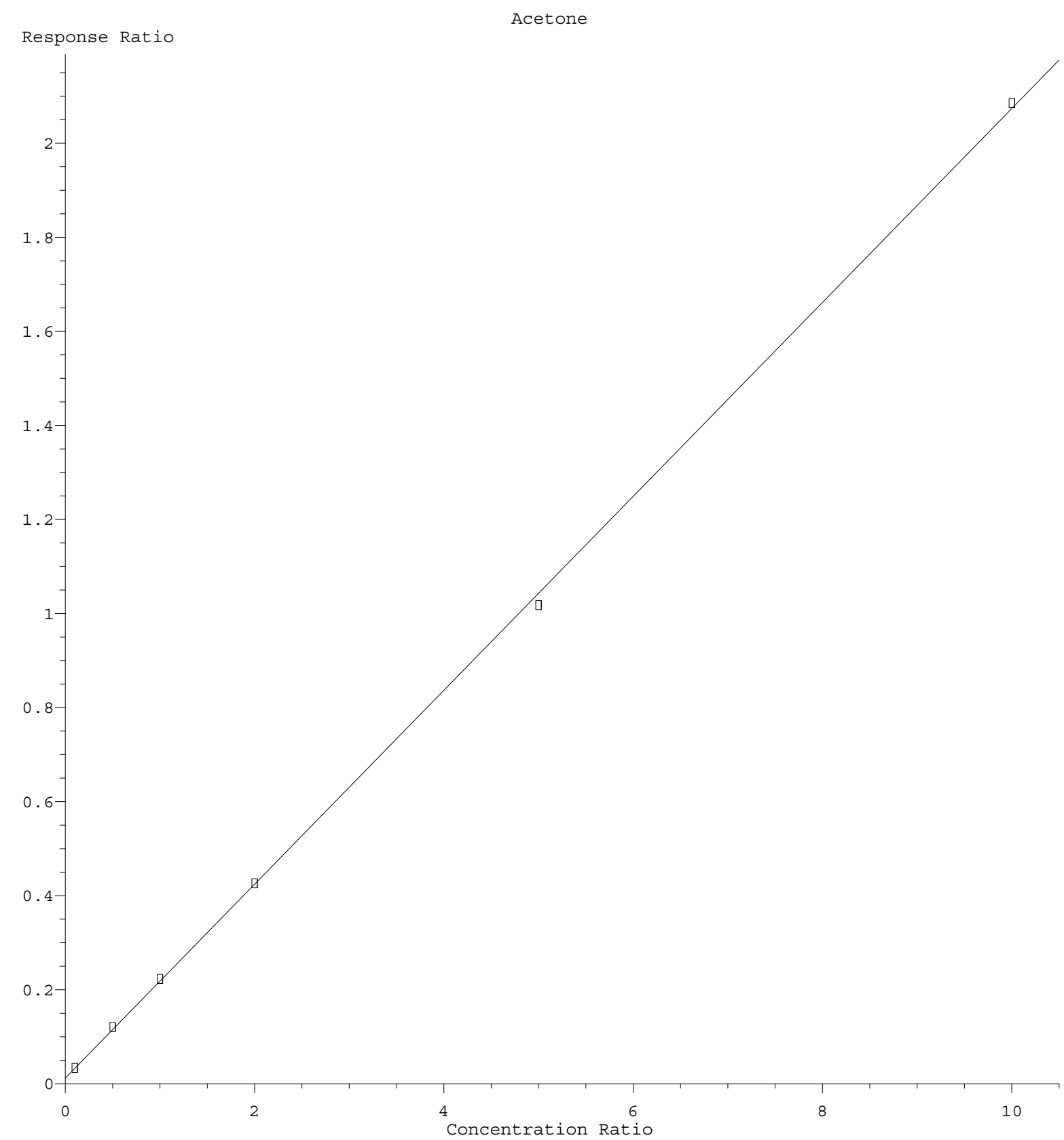
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

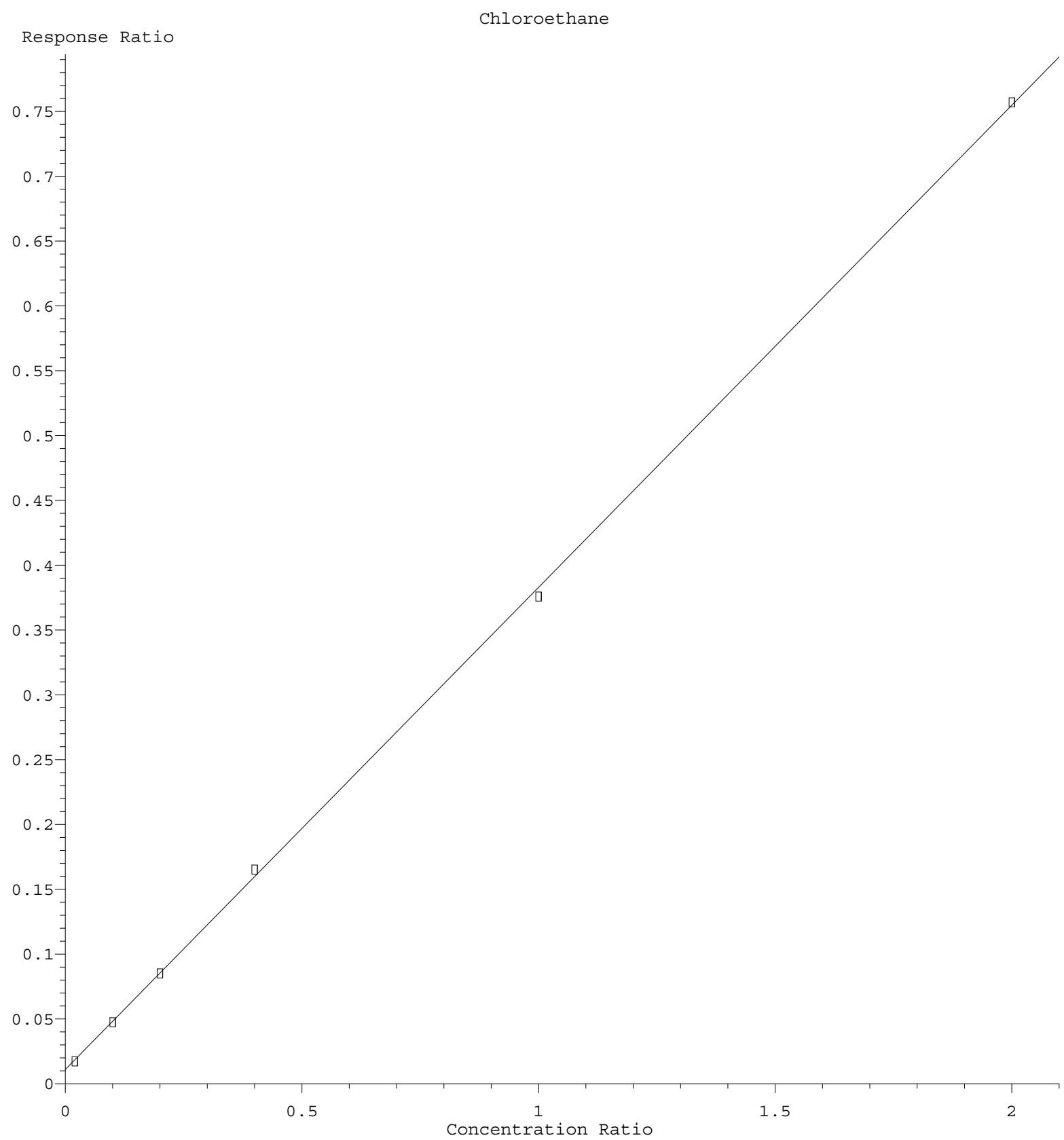
(#) = Out of Range



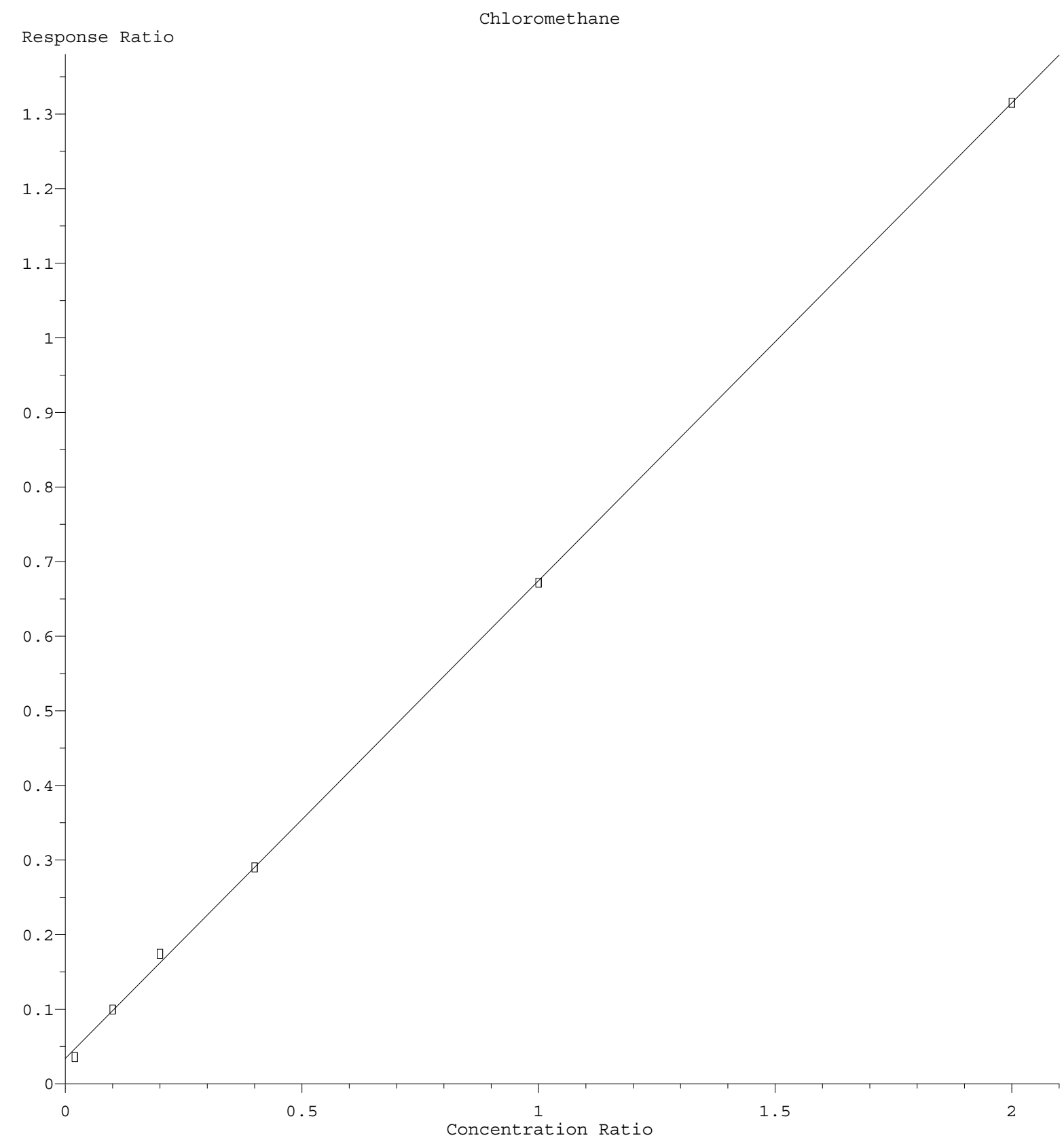
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method: C:\msvchem\msvoa\vupisrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method: C:\msvchem\1\msvoa\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method: C:\msvoa_1srv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method: C:\msvchem\1\srv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

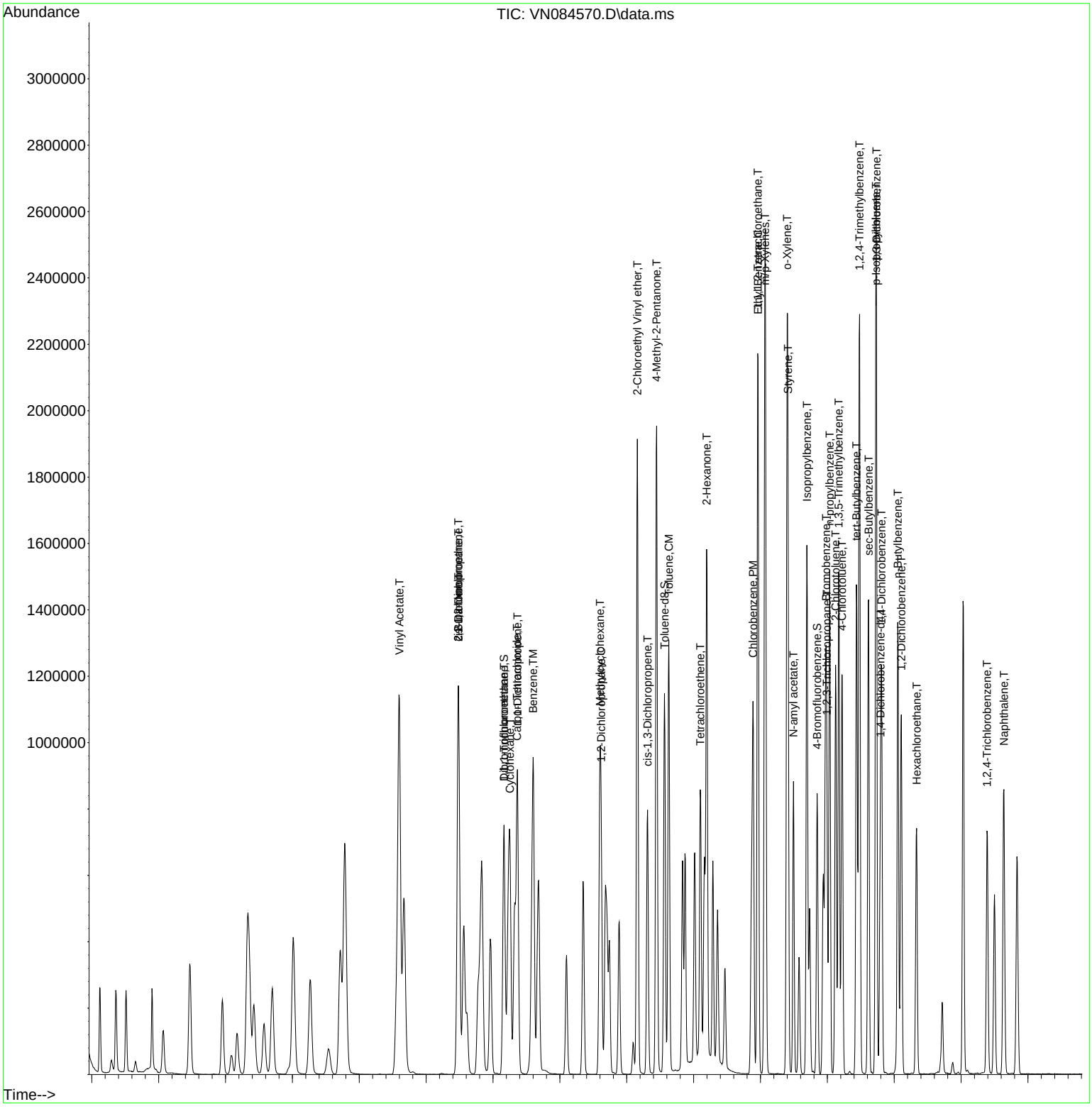
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

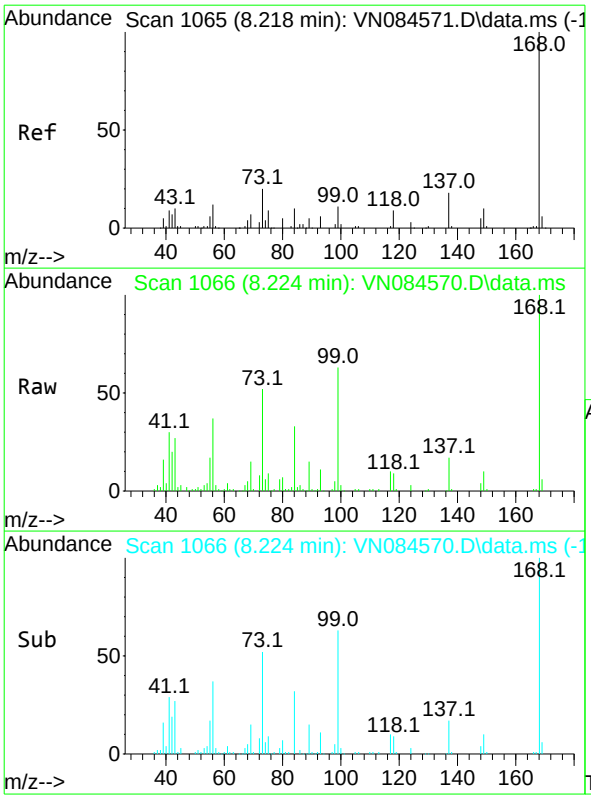
Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

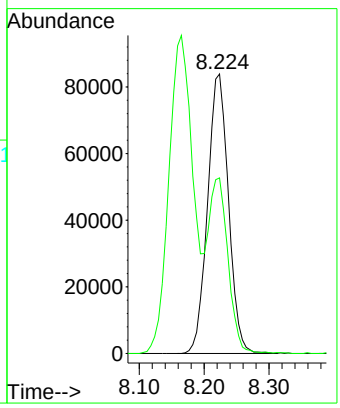




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:168 Resp: 187429

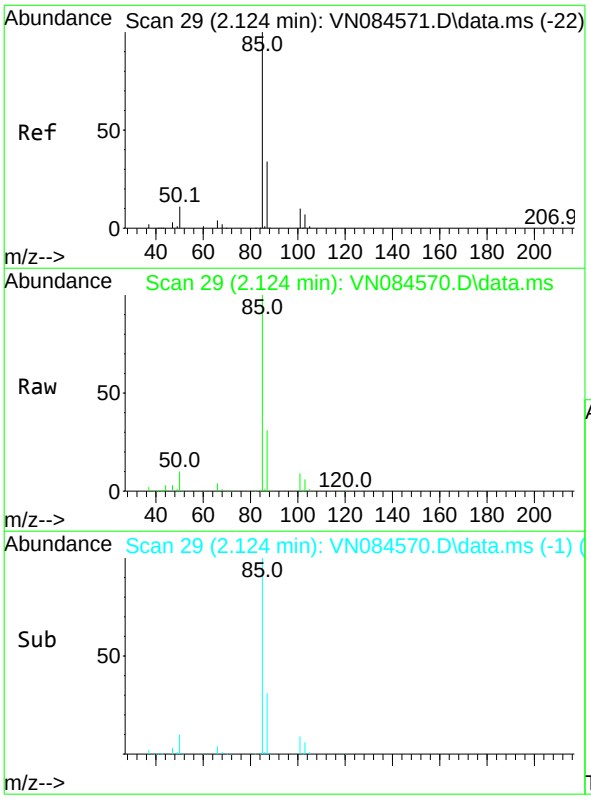
Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

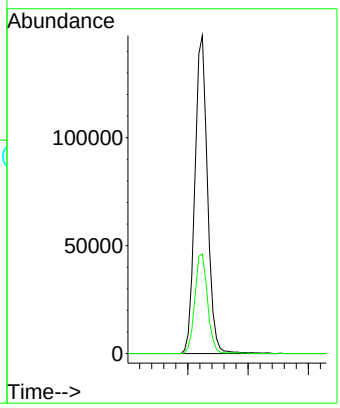
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

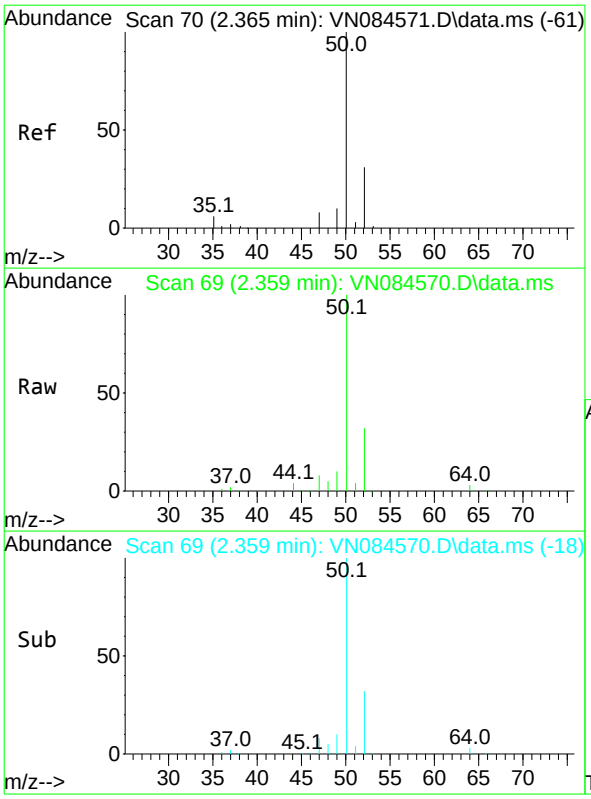


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9

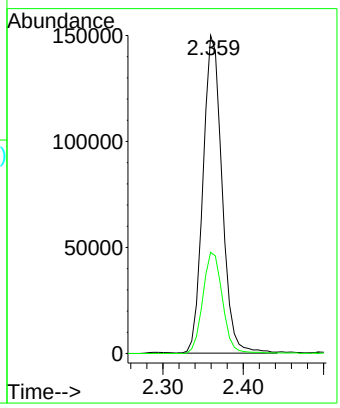




#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 50 Resp: 246492

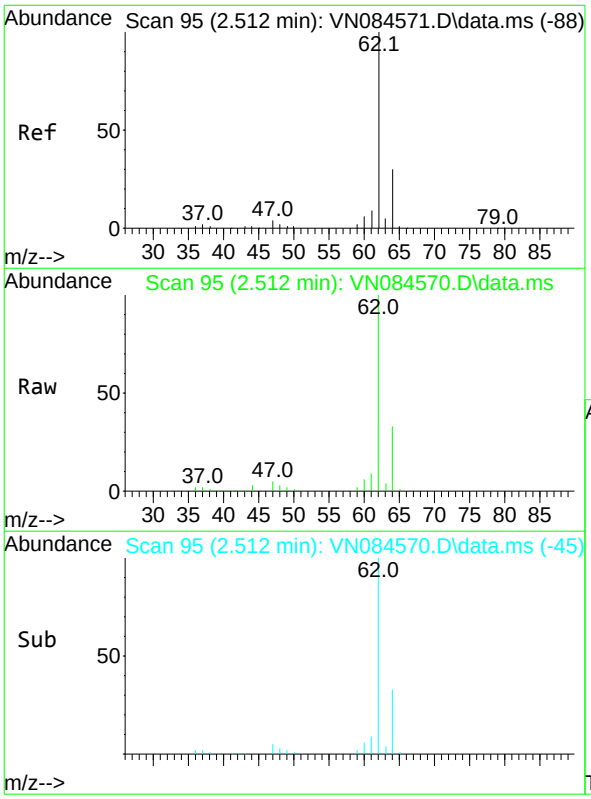
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

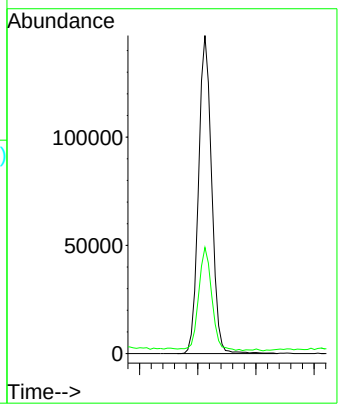
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

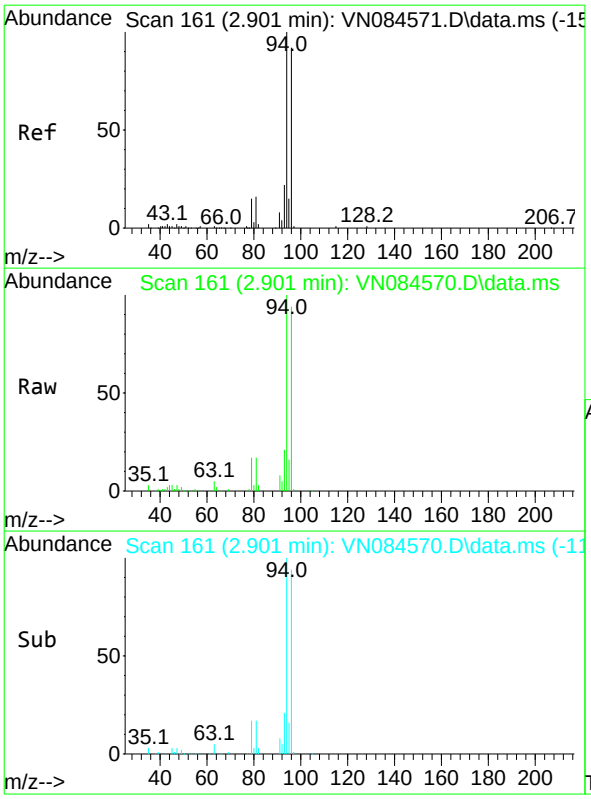


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

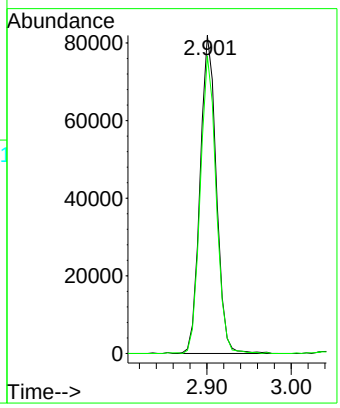




#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 94 Resp: 109436

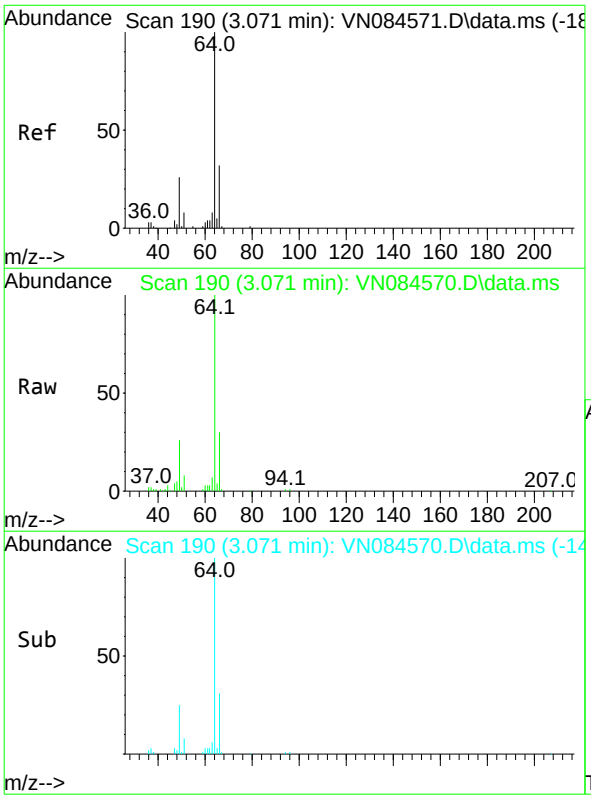
Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

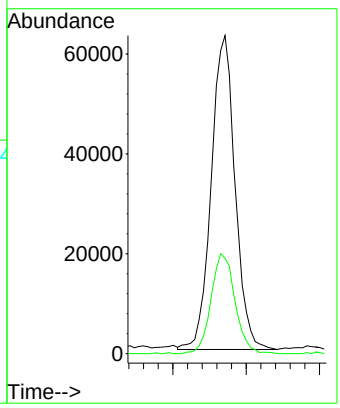
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

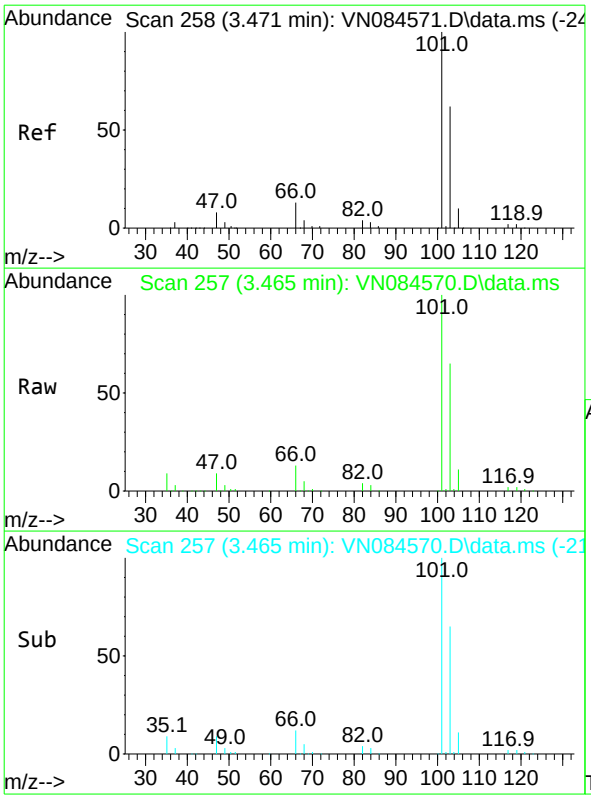


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3

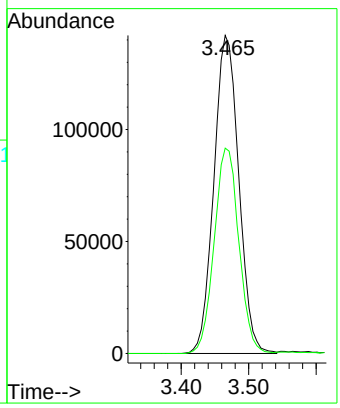




#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 363937

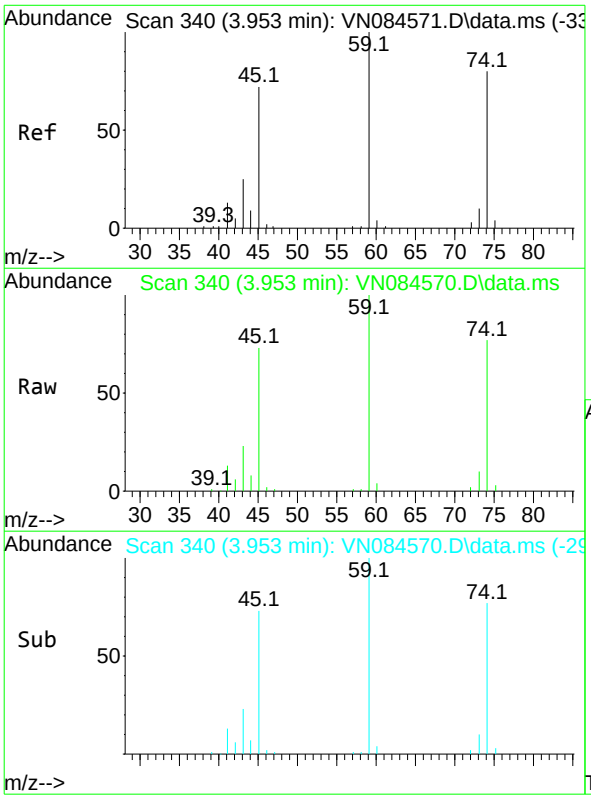
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

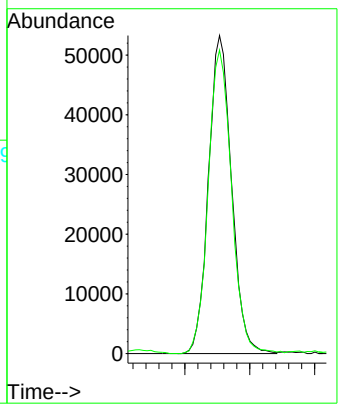
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

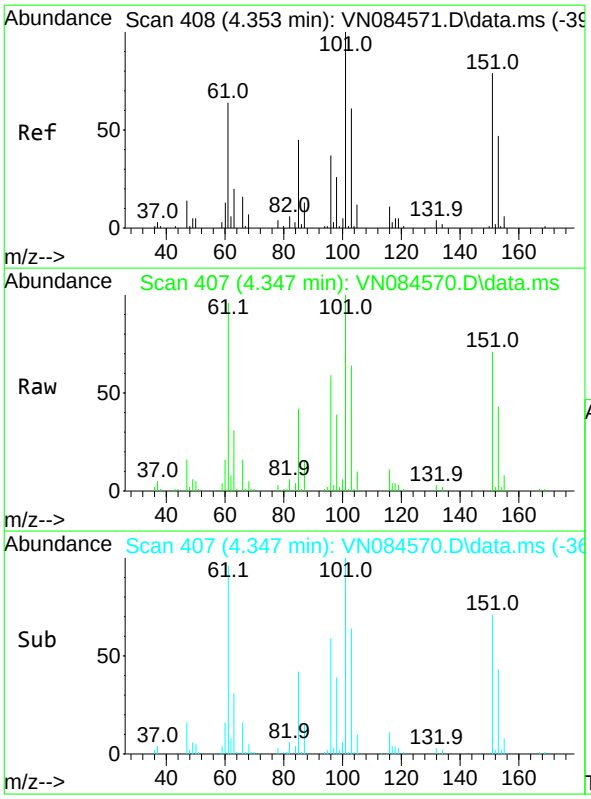


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1

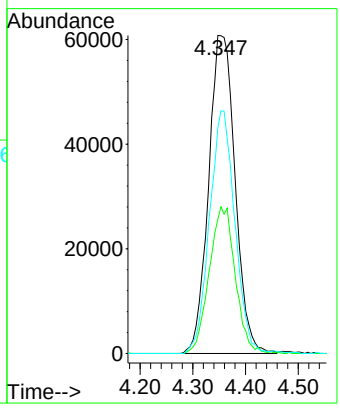




#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 212244

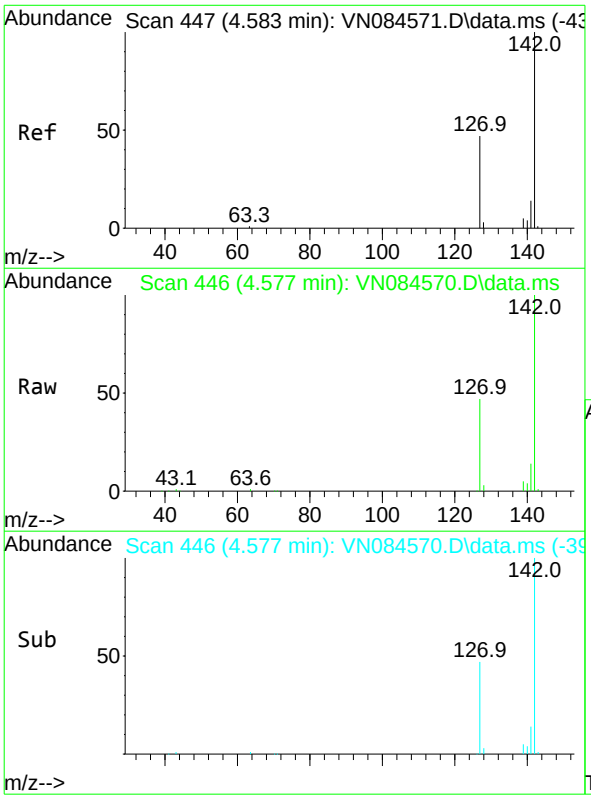
Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	73.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

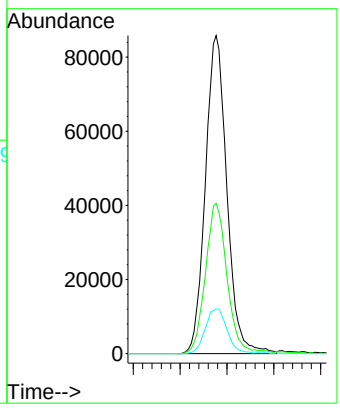
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

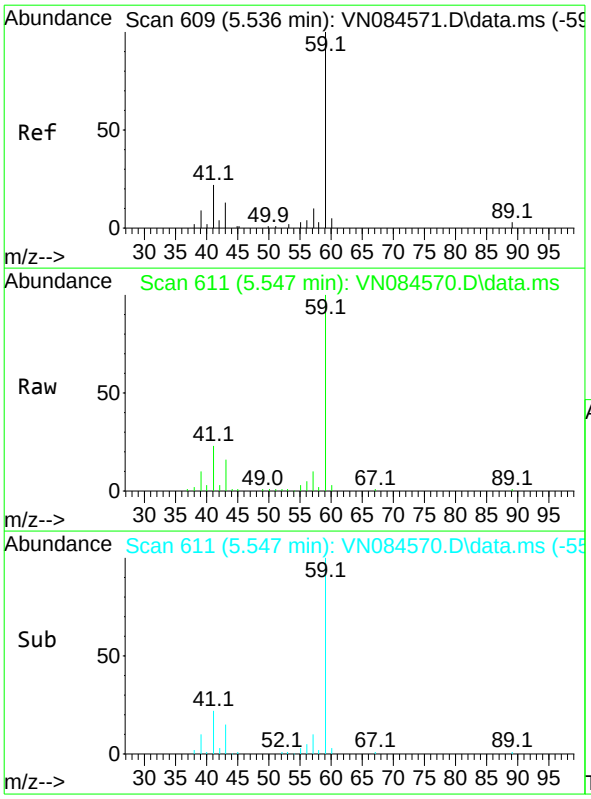


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:142 Resp: 272990

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	14.1	11.0	16.6

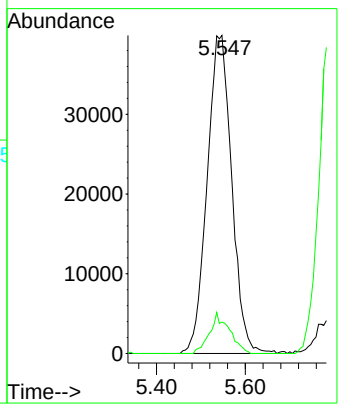




#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 59 Resp: 153595

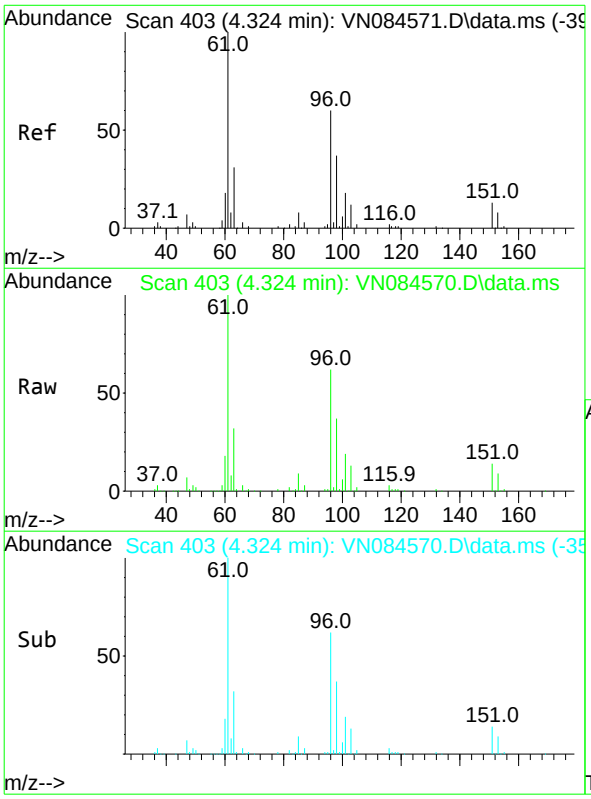
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

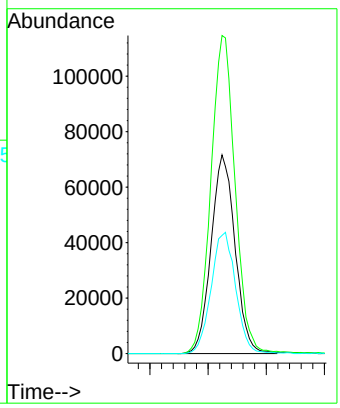
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

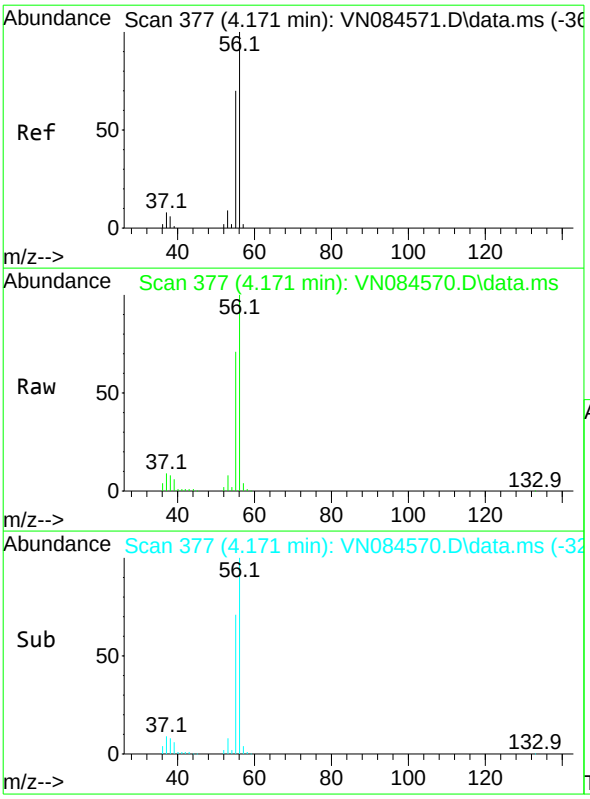


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 205332

Ion	Ratio	Lower	Upper
96	100		
61	160.1	128.6	192.8
98	59.5	51.7	77.5

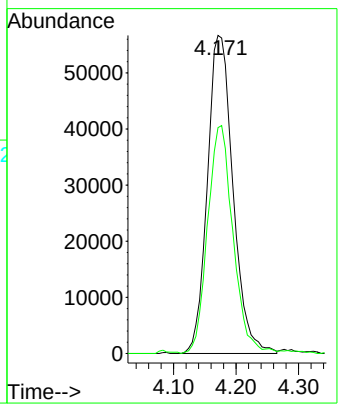




#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 161607

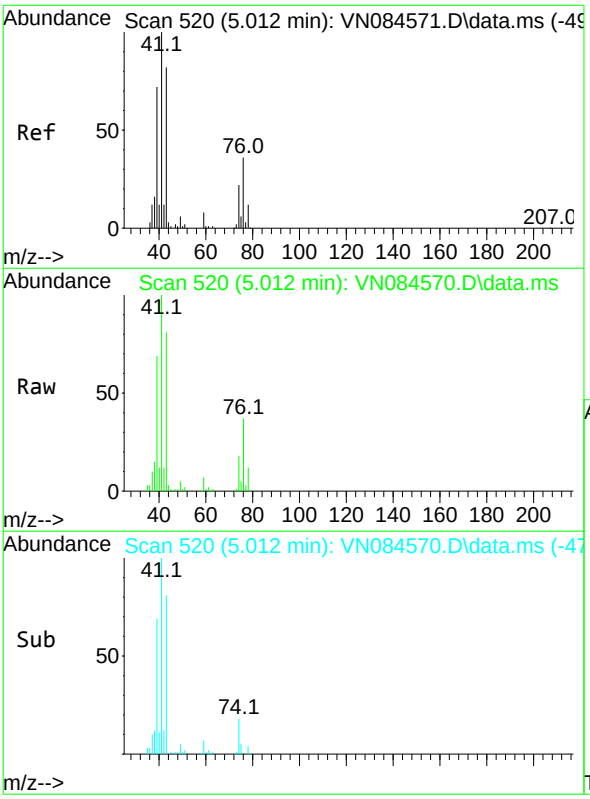
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

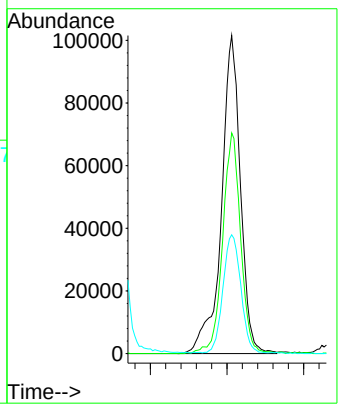
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

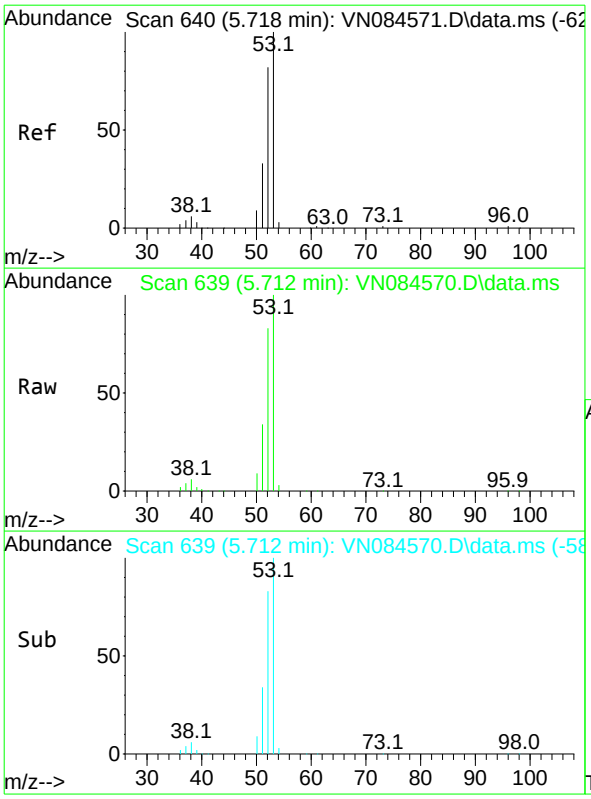


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 350014

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.6	29.8	44.6

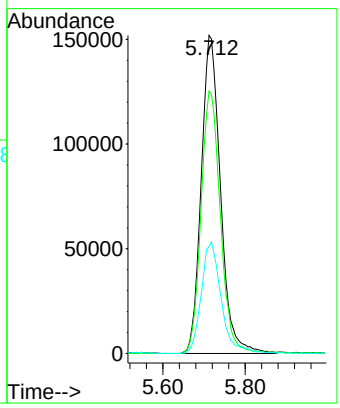




#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 53 Resp: 494070

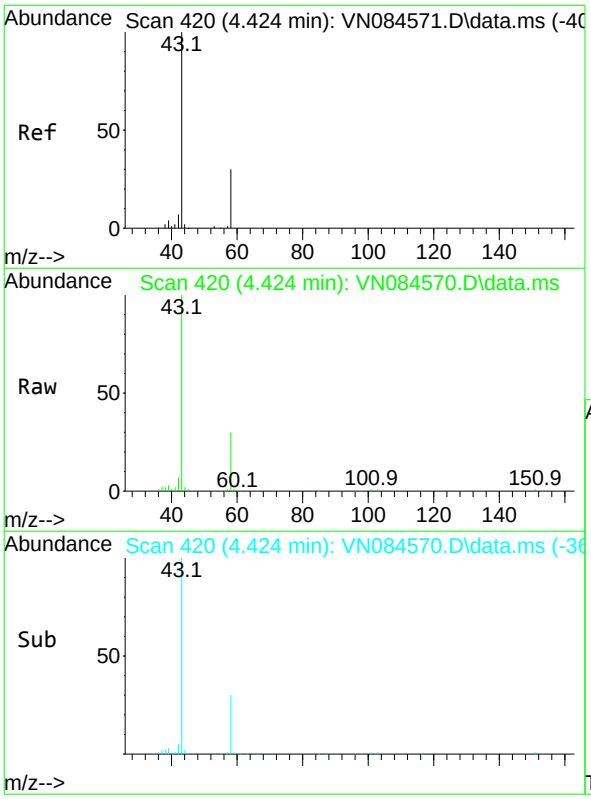
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

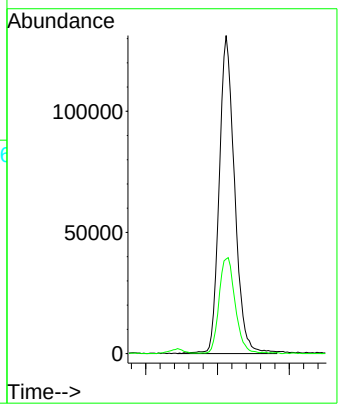
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

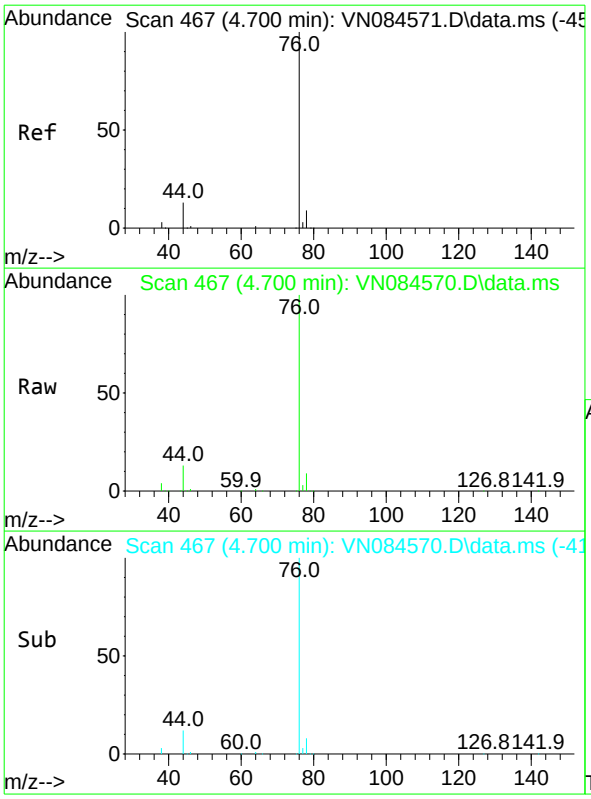


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

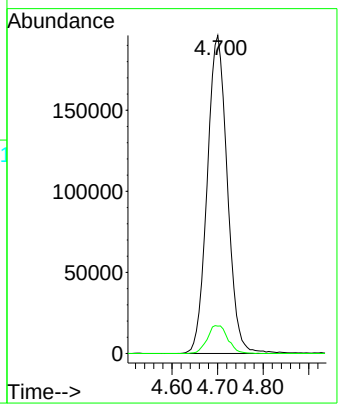




#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 601202

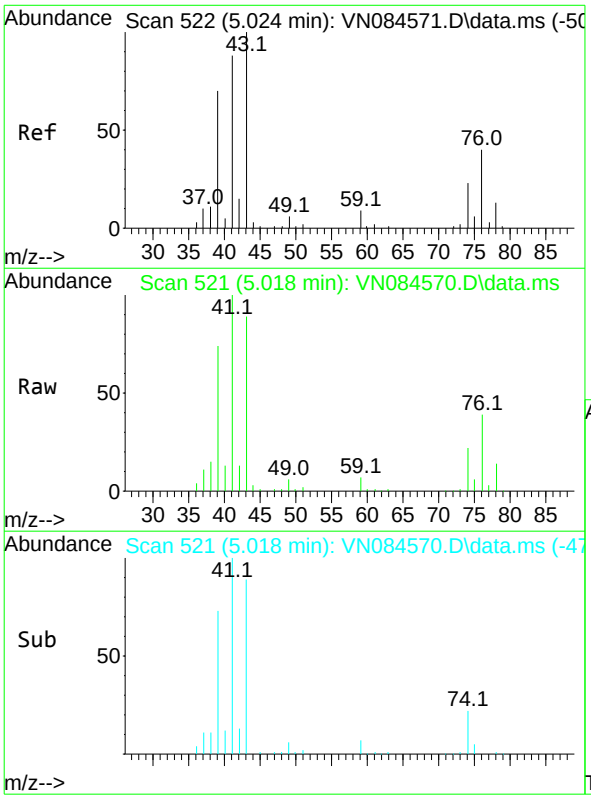
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

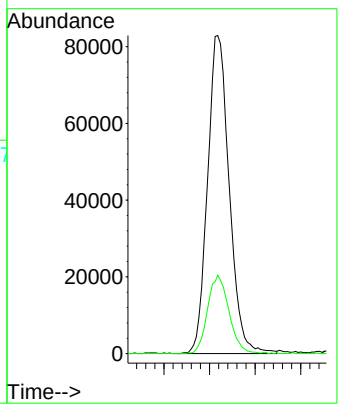
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

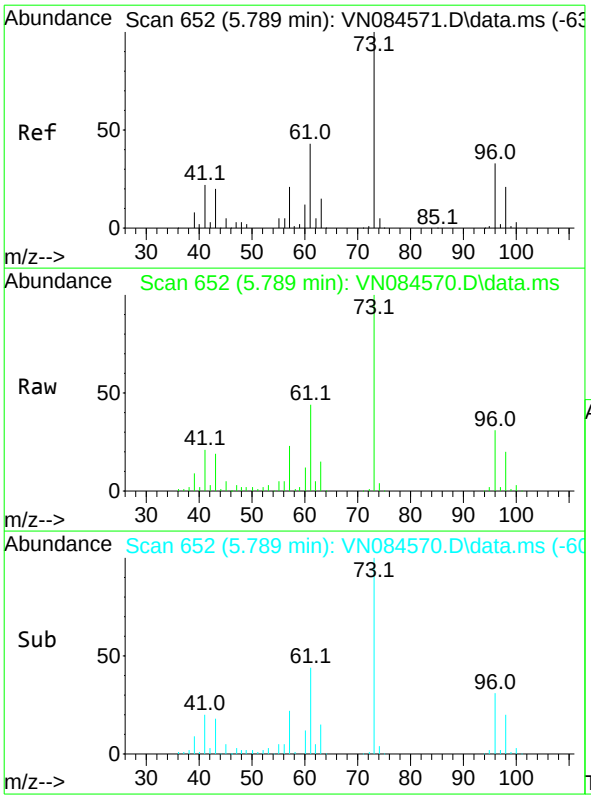


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

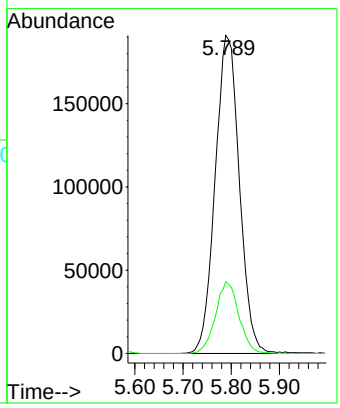




#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 73 Resp: 664800

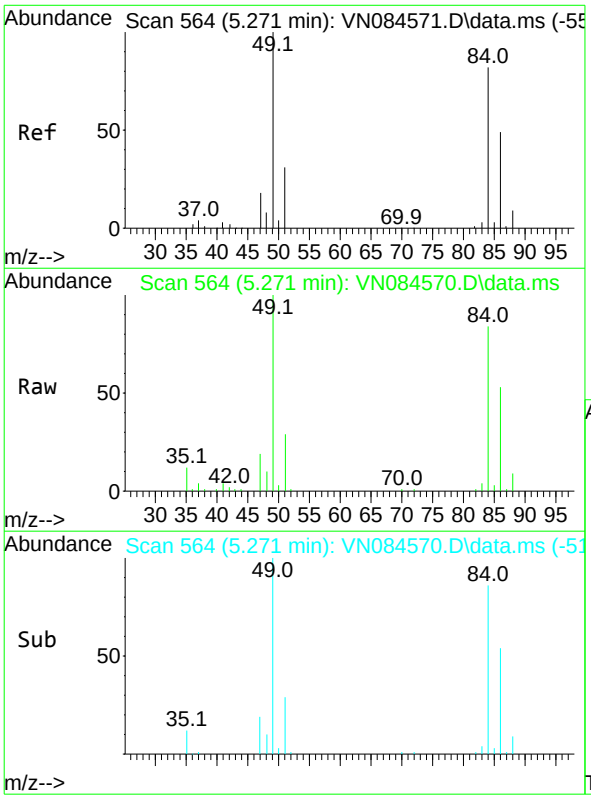
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

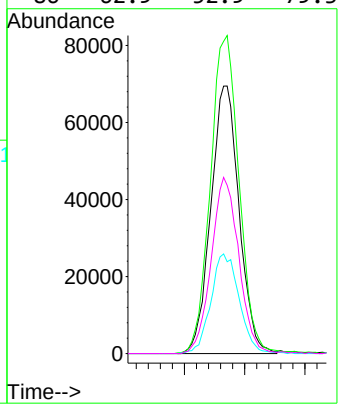
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

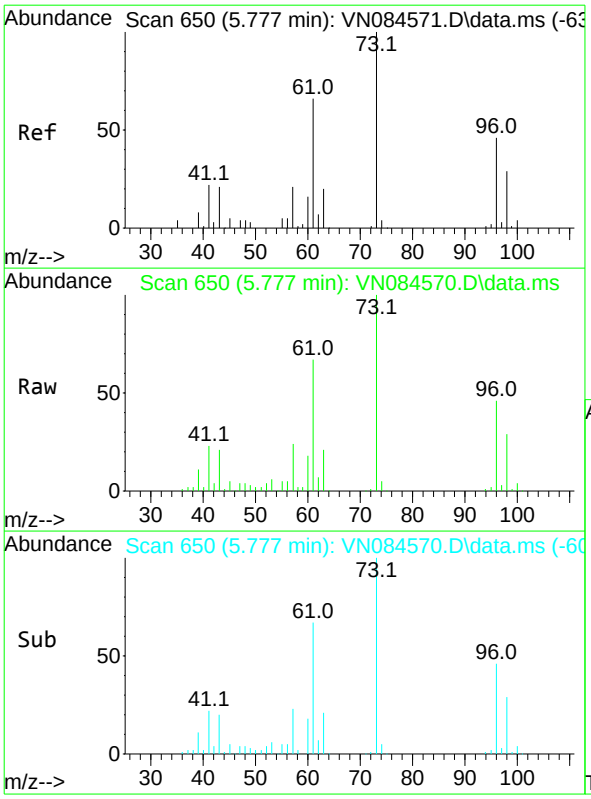


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 84 Resp: 226231

Ion	Ratio	Lower	Upper
84	100		
49	118.6	107.2	160.8
51	34.3	31.8	47.8
86	62.9	52.9	79.3

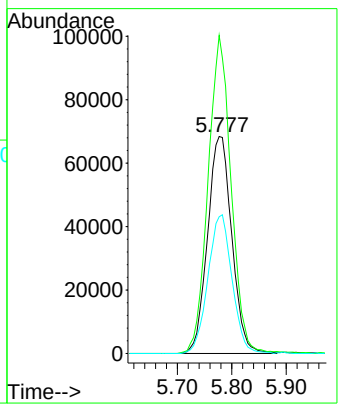




#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 211649

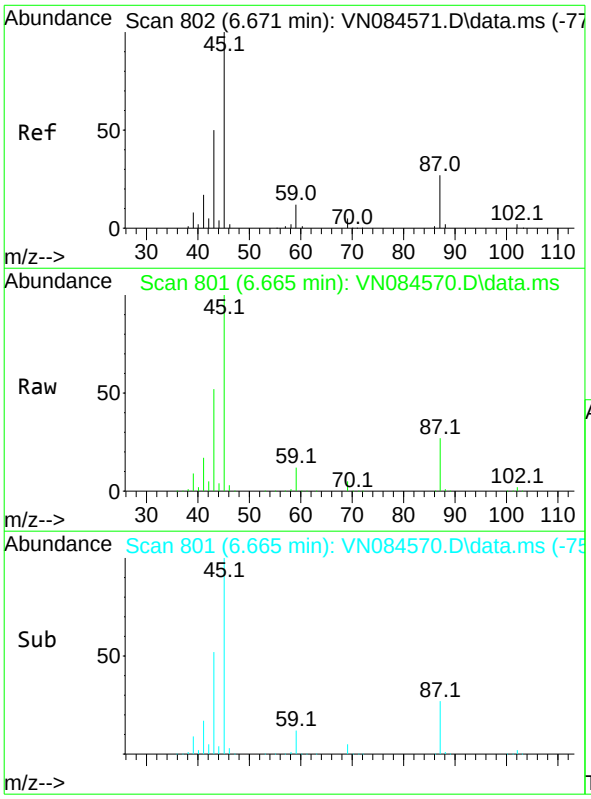
Ion	Ratio	Lower	Upper
96	100		
61	146.6	108.4	162.6
98	63.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

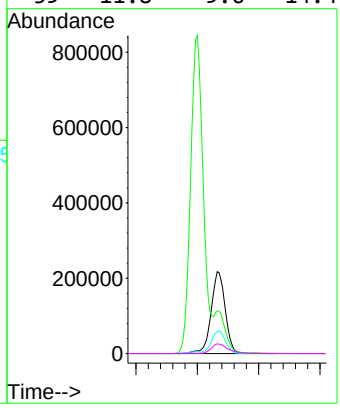
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

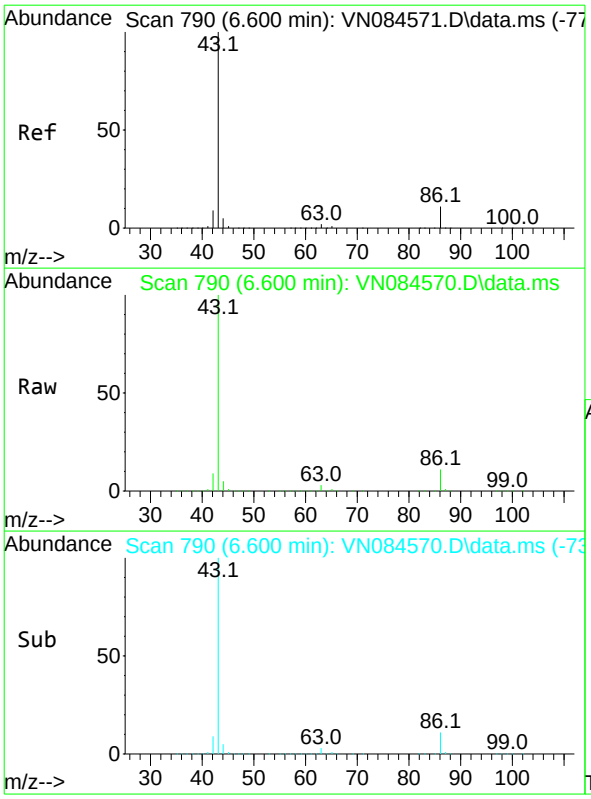


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 45 Resp: 696527

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.3	63.5
87	27.1	21.8	32.6
59	11.8	9.6	14.4

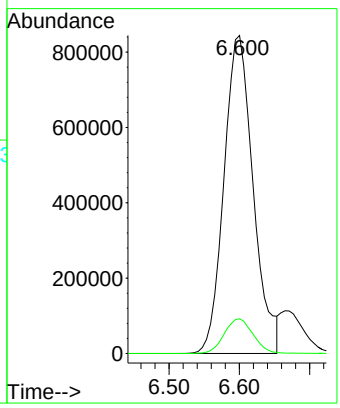




#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 2441301

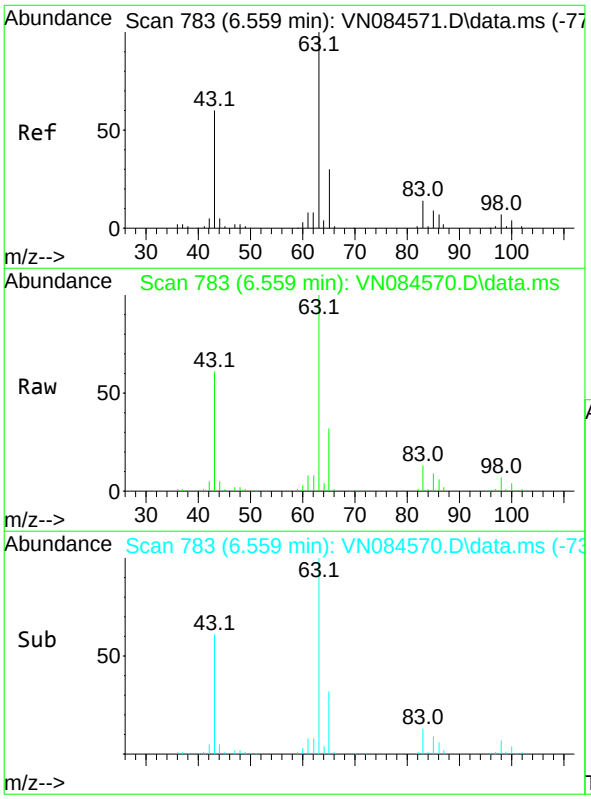
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

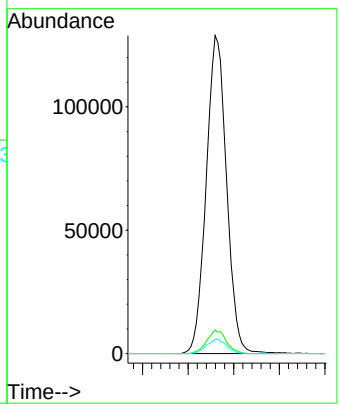
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

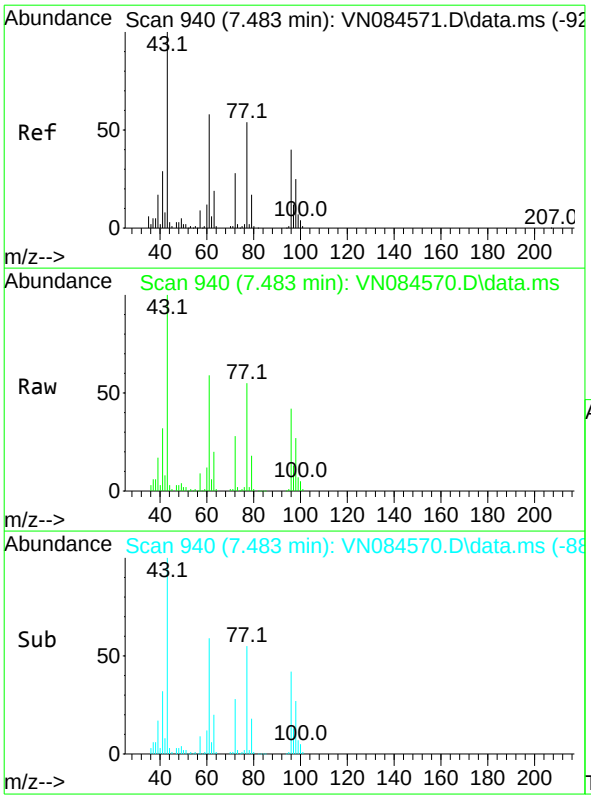


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 399999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.4	2.0	5.8

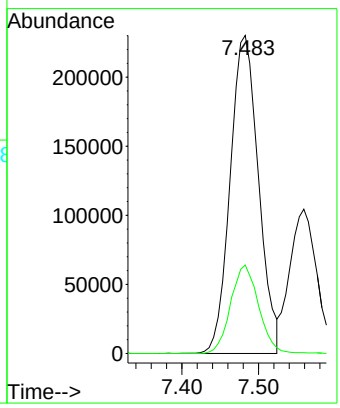




#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 591863

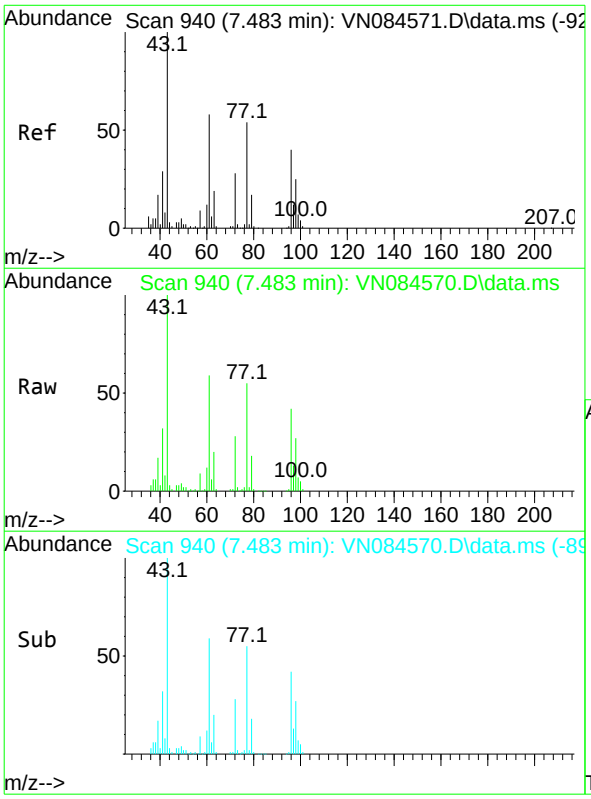
Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

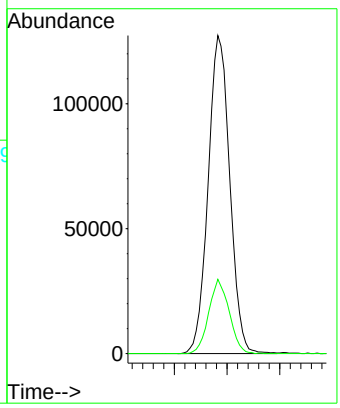
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

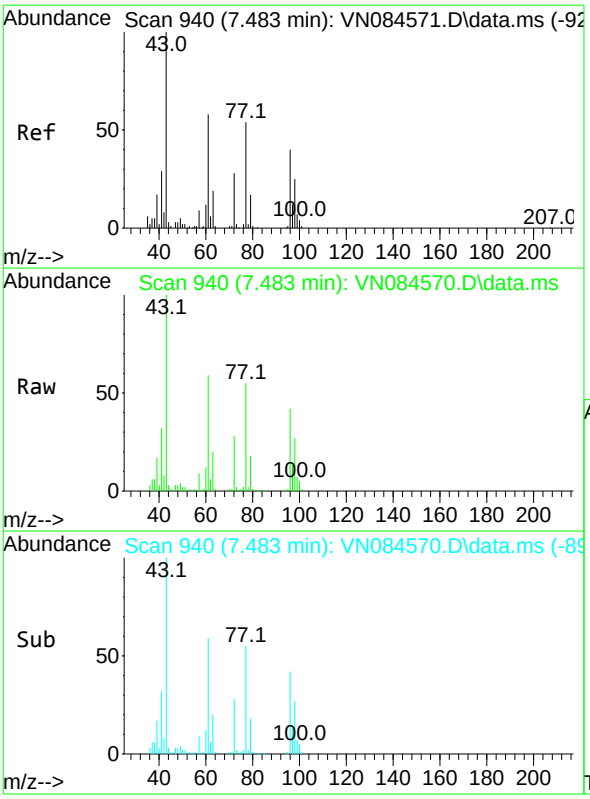


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

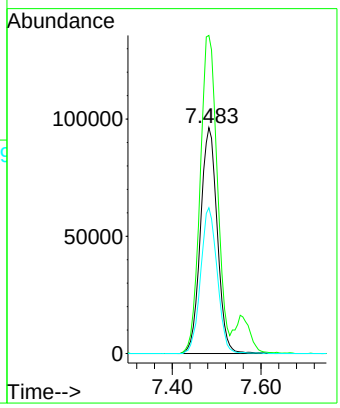




#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 252932

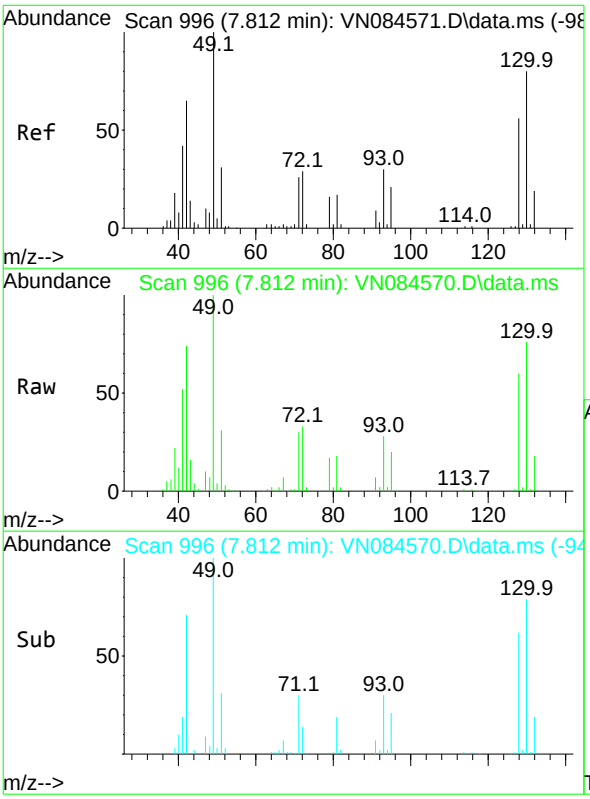
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	301.8
98	63.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

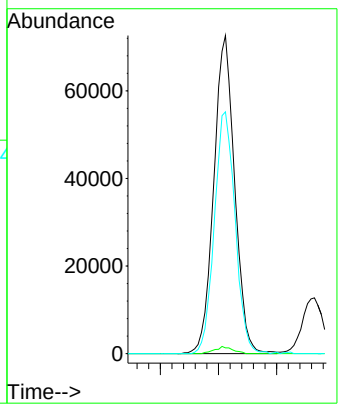
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

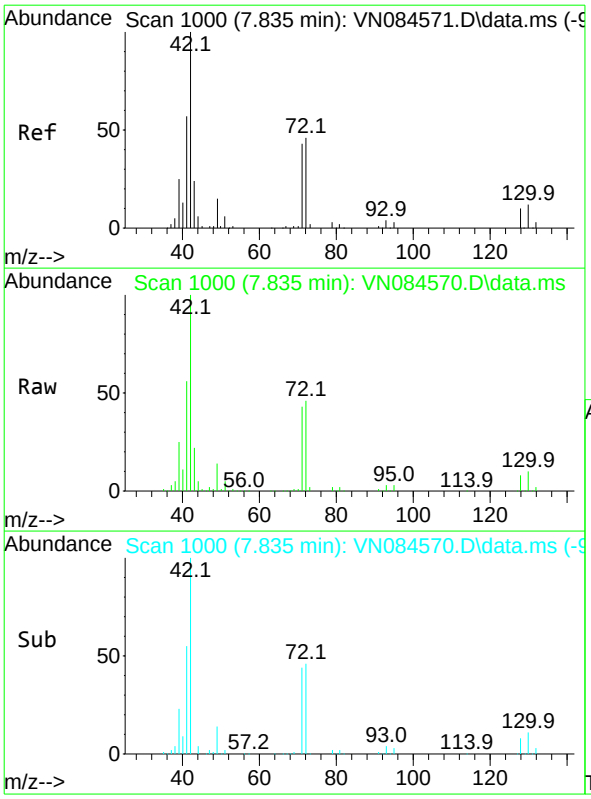


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 49 Resp: 180881

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.7	58.0	87.0

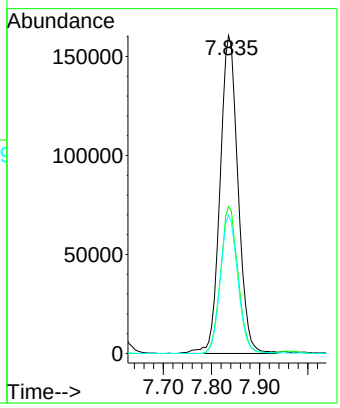




#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 42 Resp: 415033

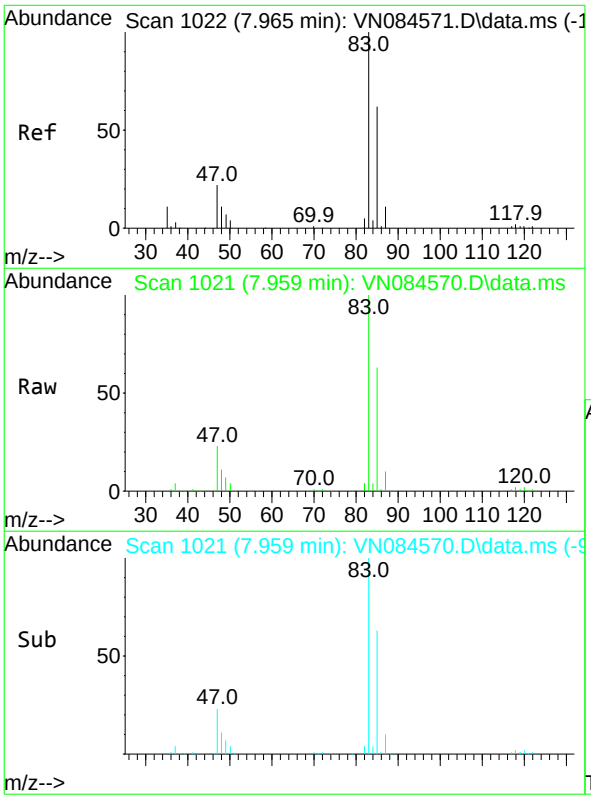
Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

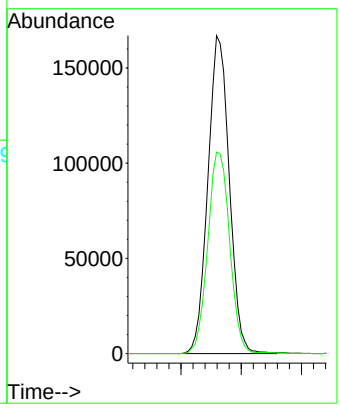
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

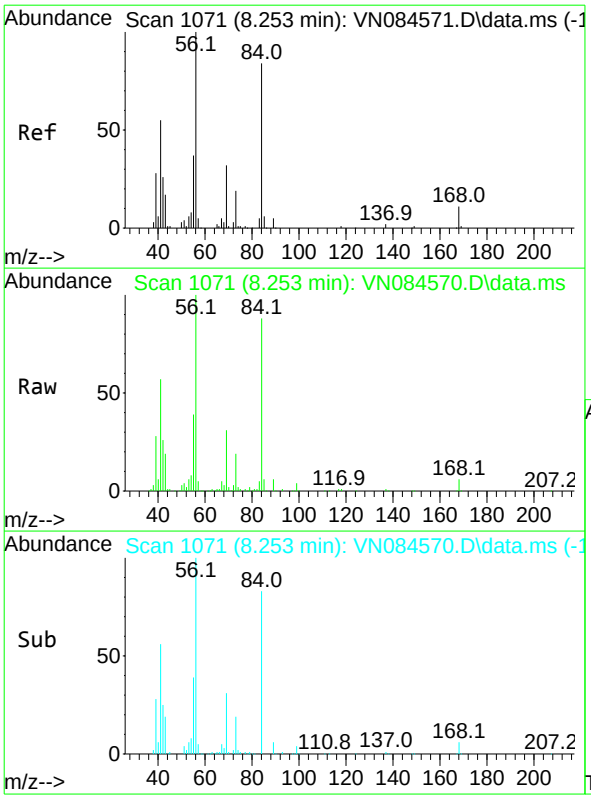


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

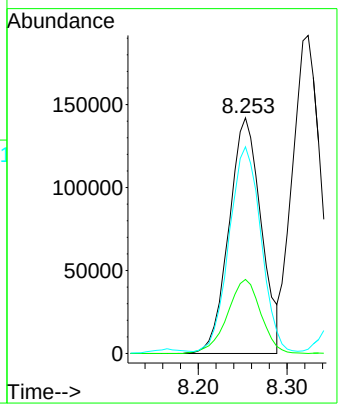




#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 358350

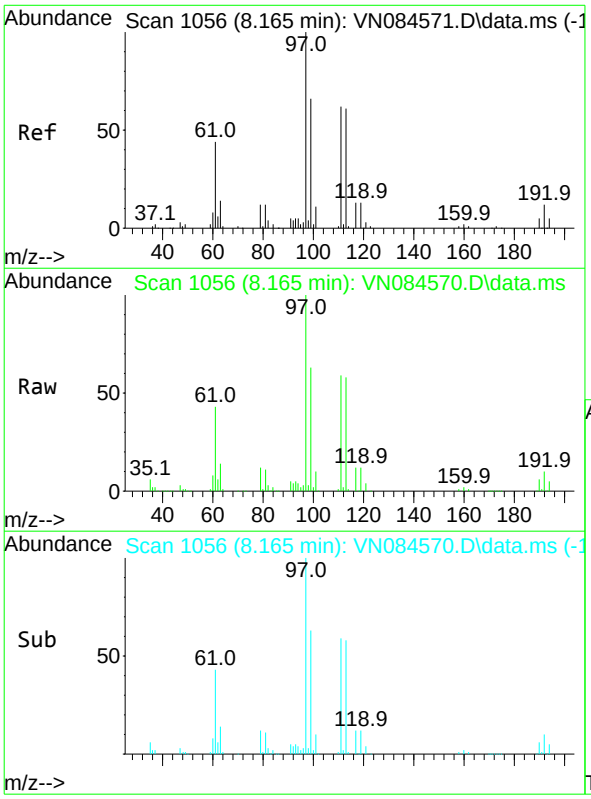
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.8	35.6
84	86.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

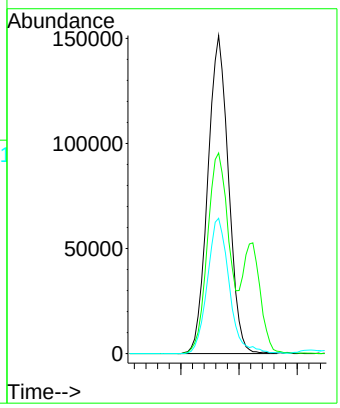
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

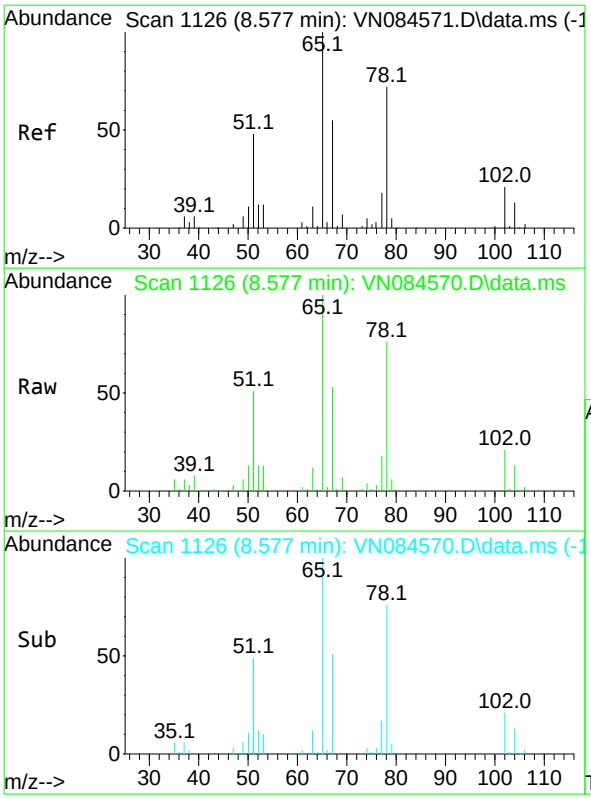


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 374940

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	44.8	37.5	56.3

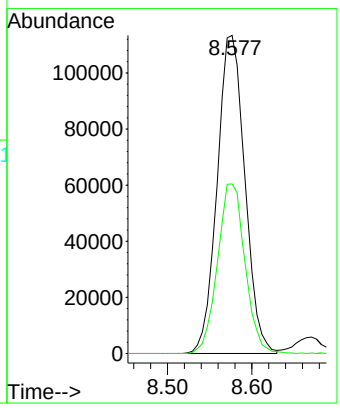




#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 65 Resp: 258269

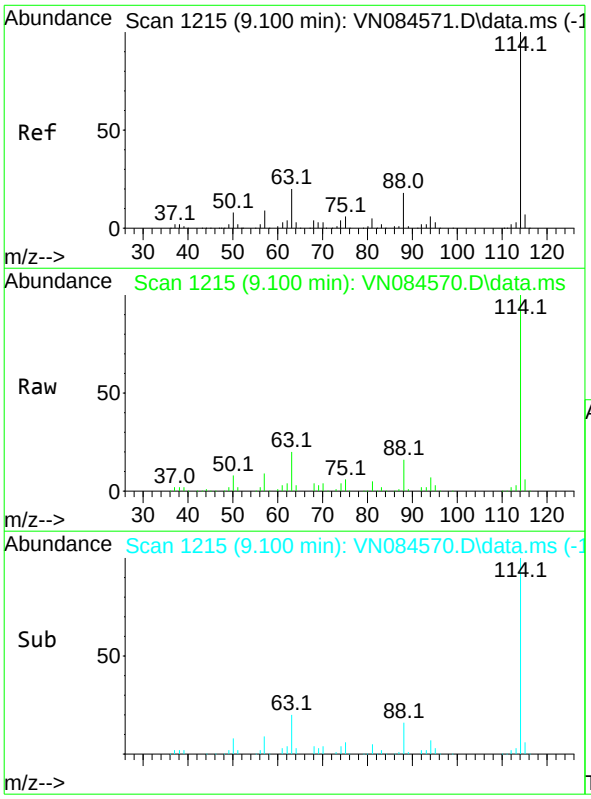
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

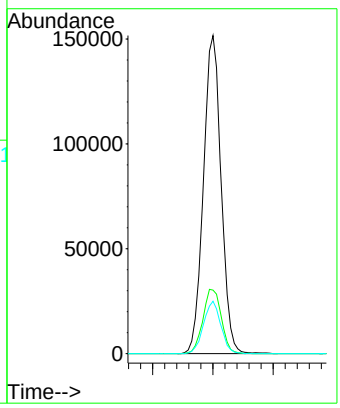
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

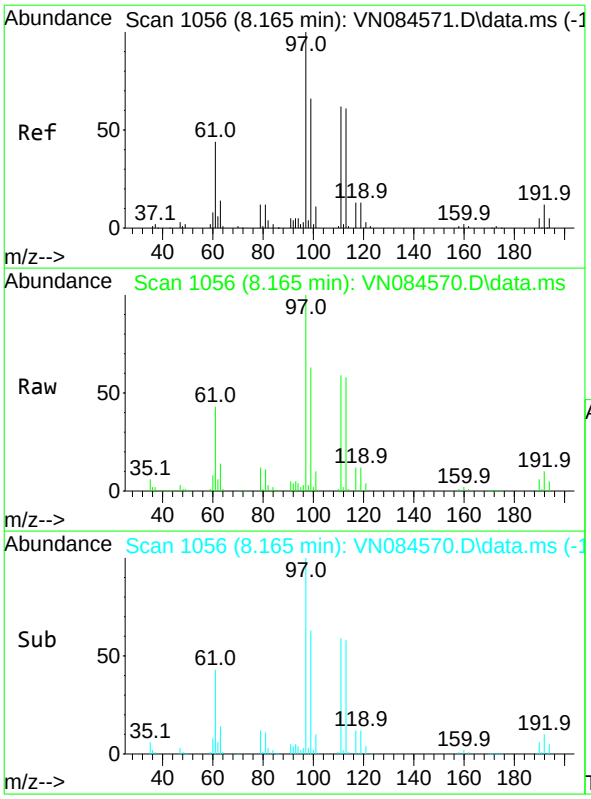


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:114 Resp: 309230

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6

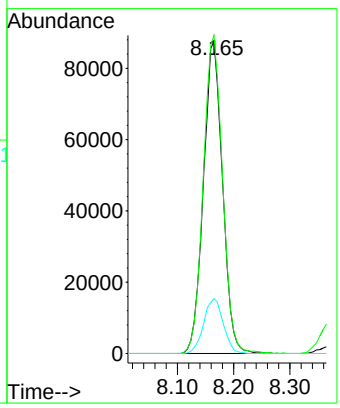




#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:113 Resp: 206417

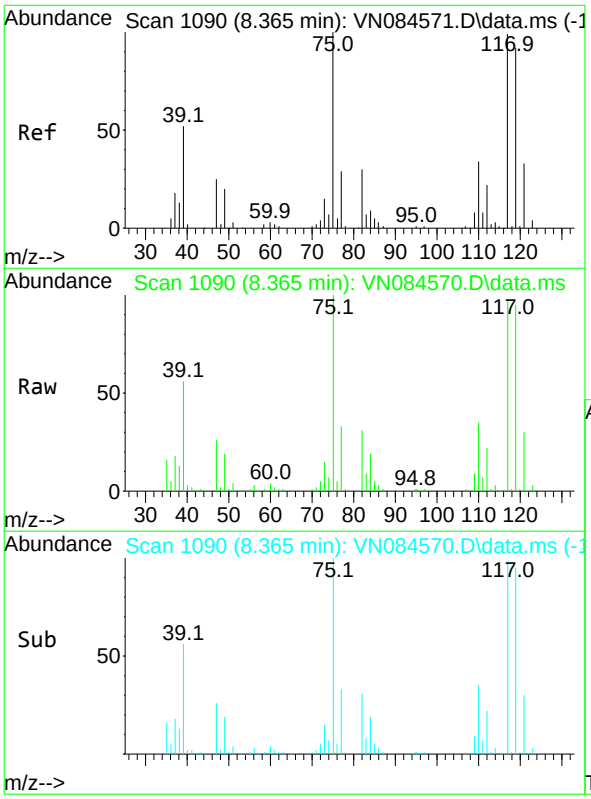
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

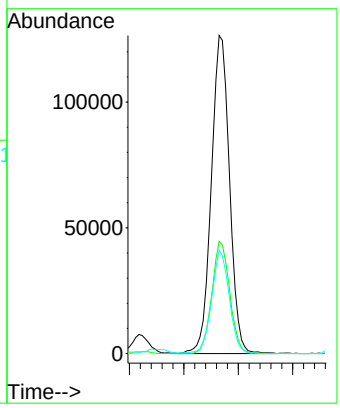
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

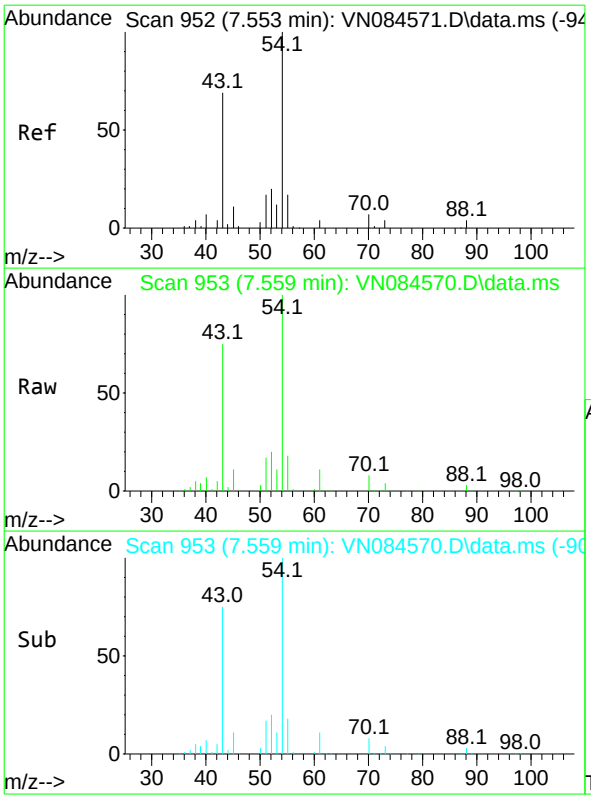


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 294131

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	31.5	24.7	37.1

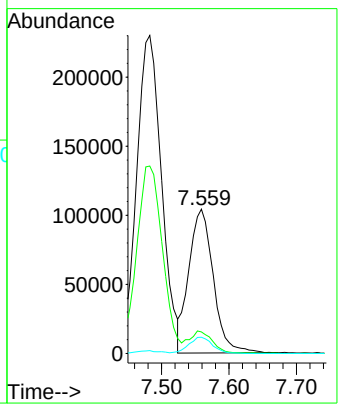




#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 262200

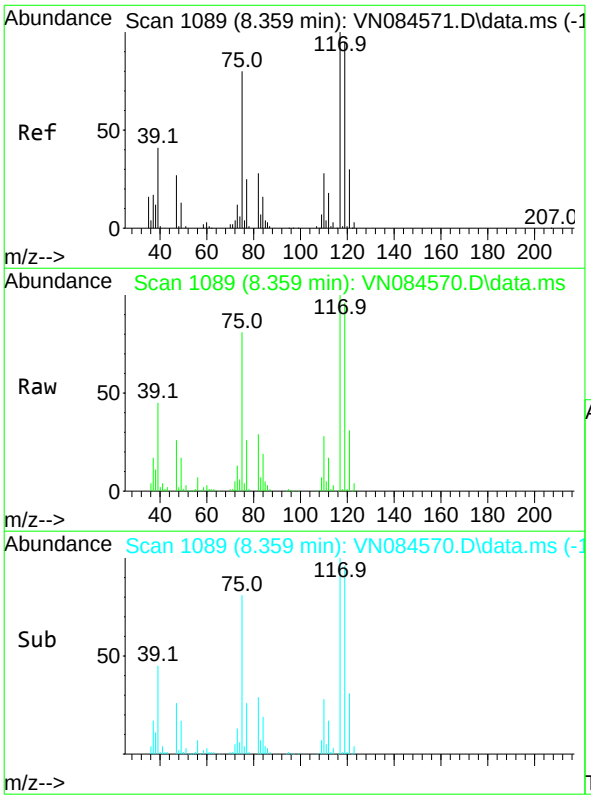
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

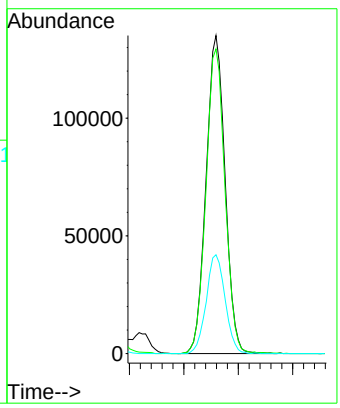
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

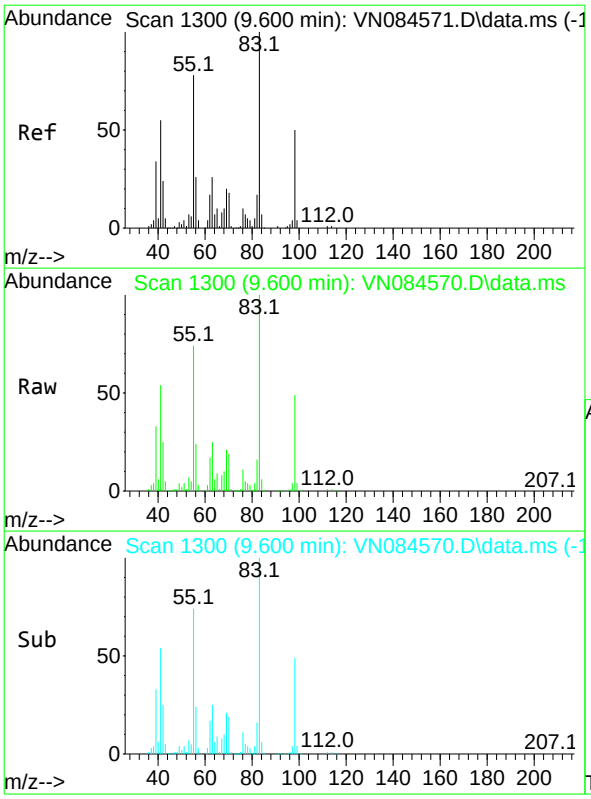


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 327651

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.7	118.1
121	31.1	24.4	36.6

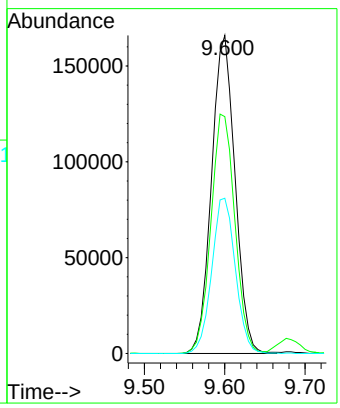




#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 337677

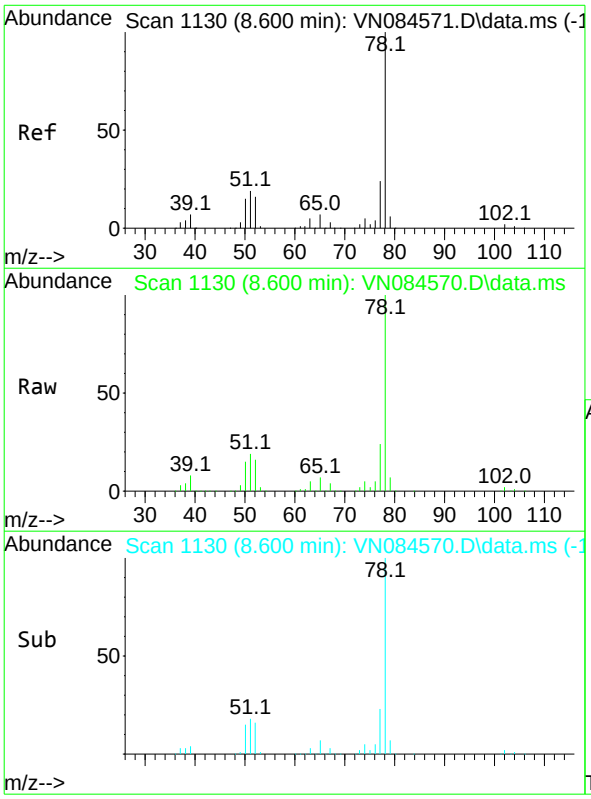
Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.8	94.2
98	48.8	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

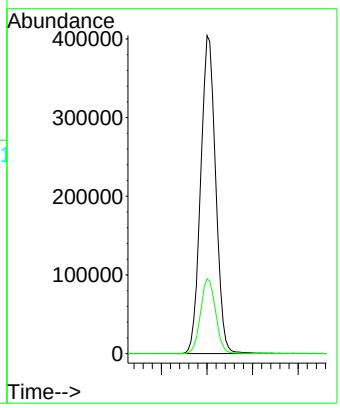
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

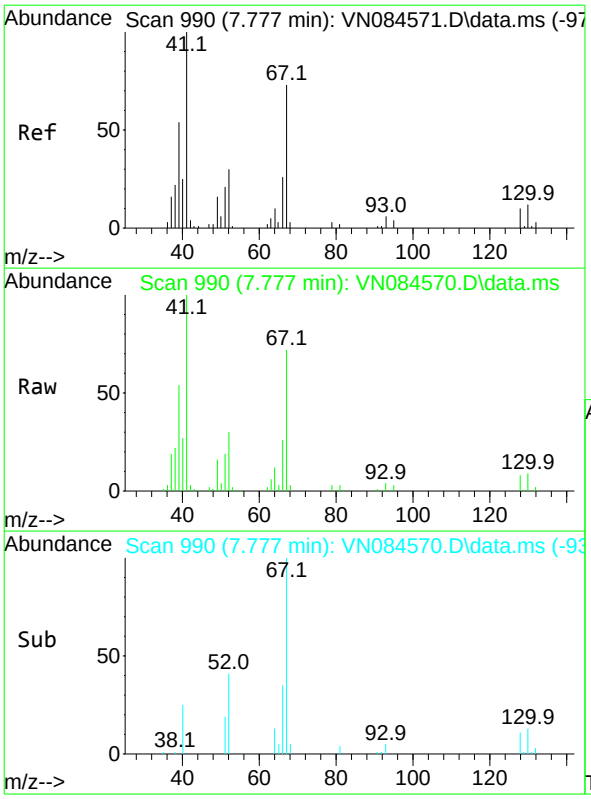


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

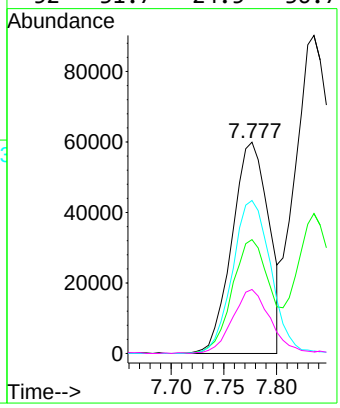




#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 145041

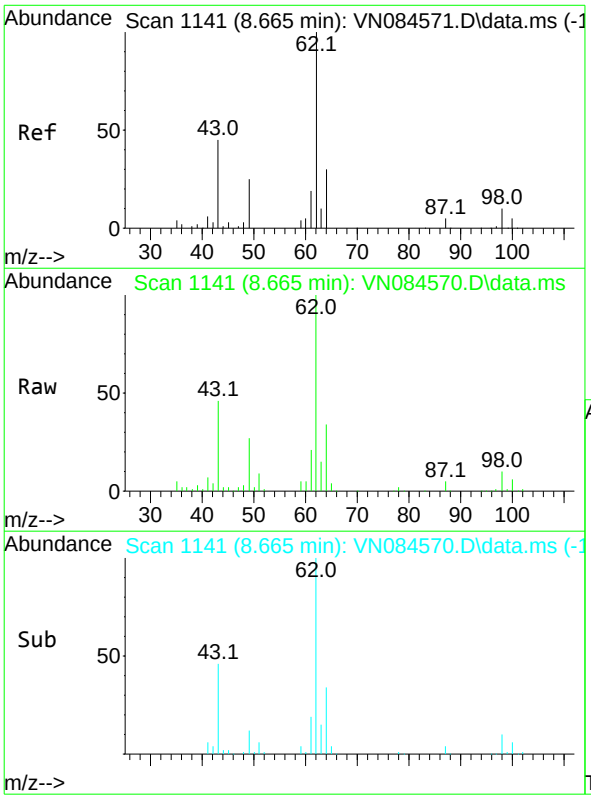
Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	76.0	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

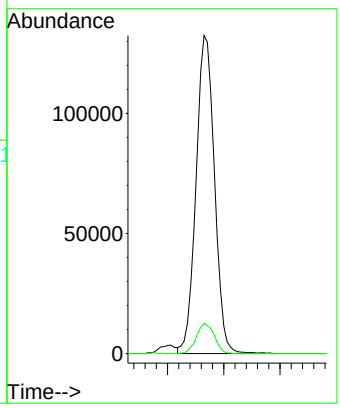
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

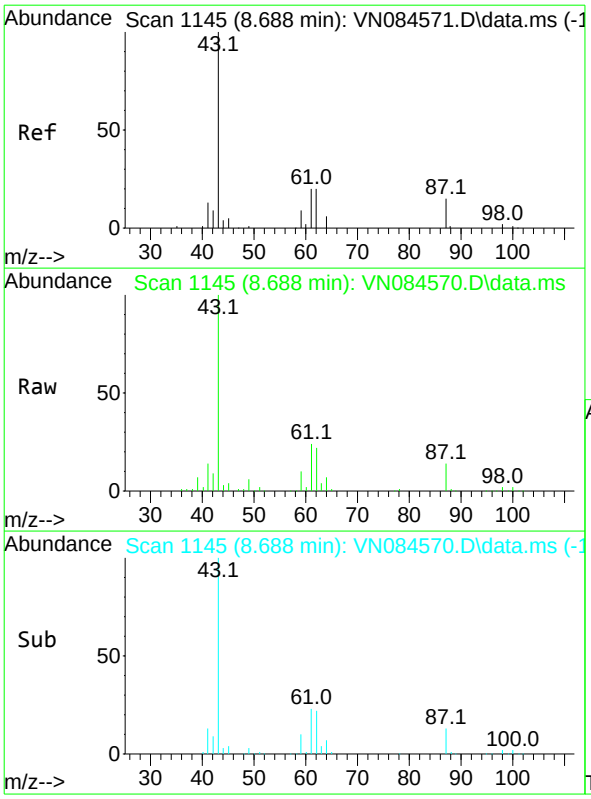


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

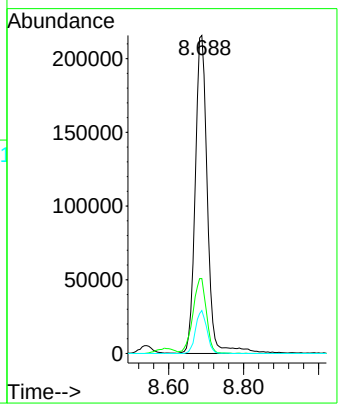




#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 485962

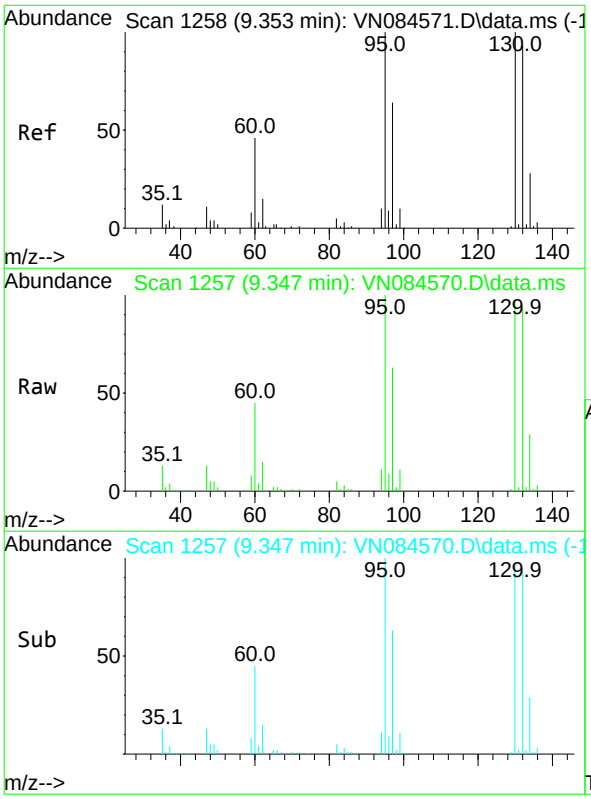
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	12.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

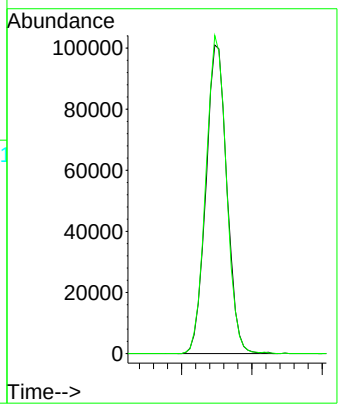
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

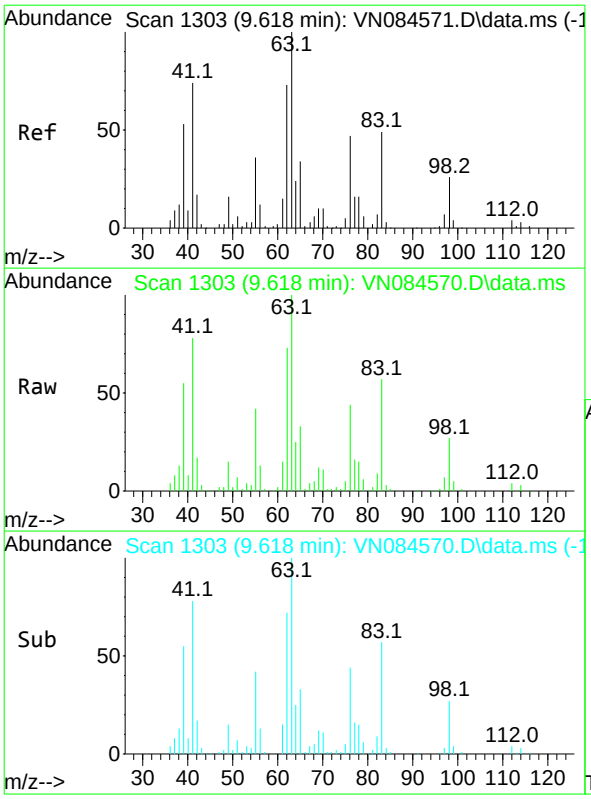


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0

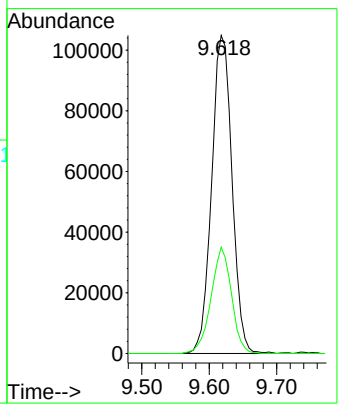




#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 220258

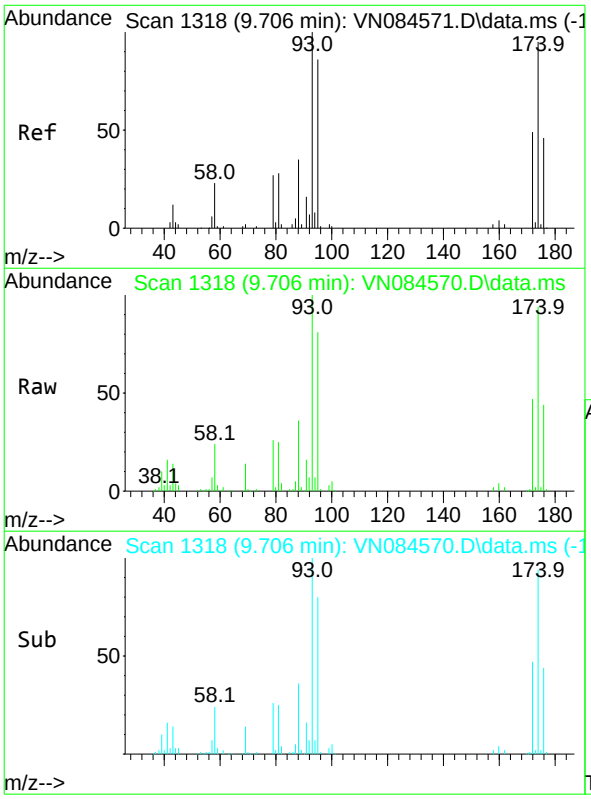
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

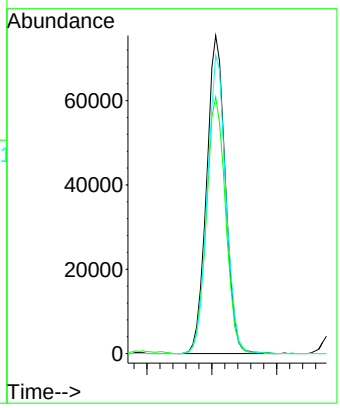
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

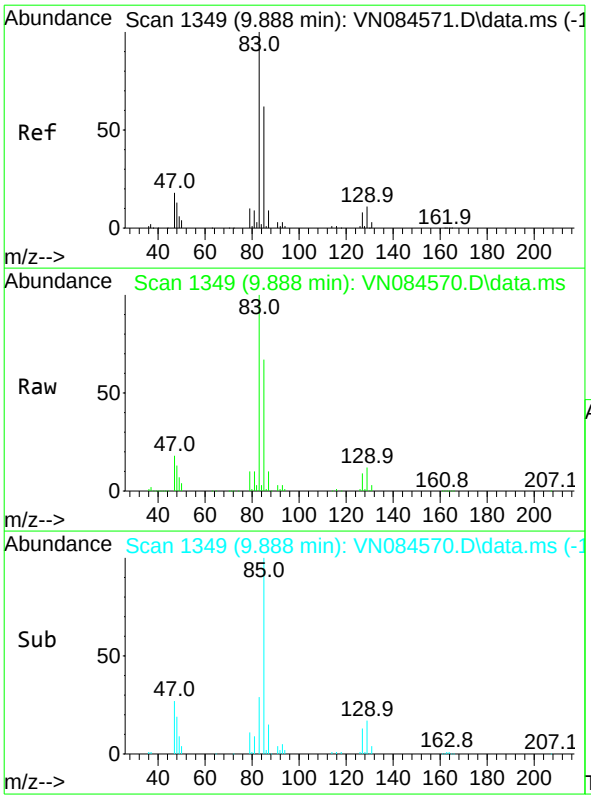


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 93 Resp: 151661

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	92.7	71.8	107.8

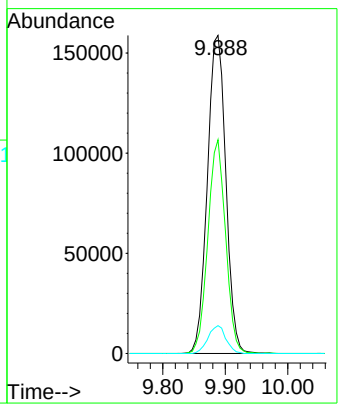




#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 326466

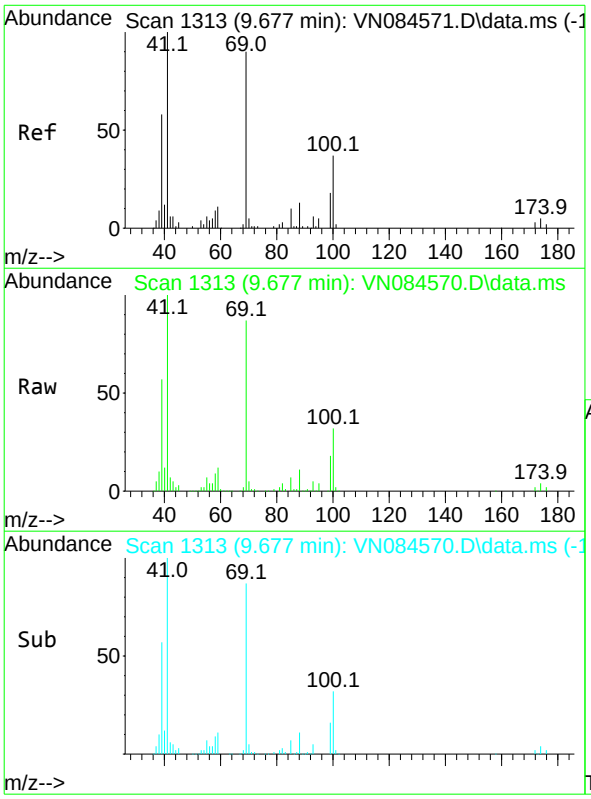
Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	8.8	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

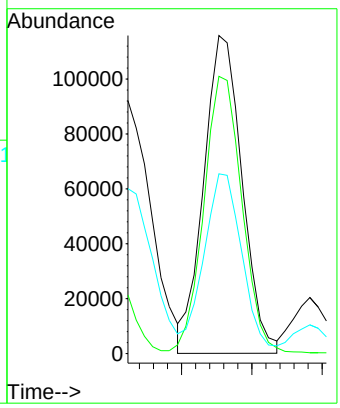
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

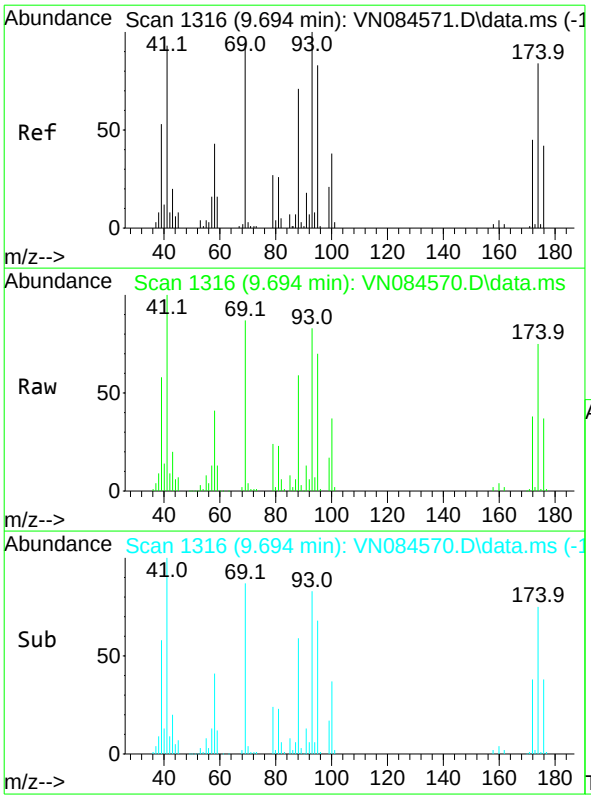


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 219838

Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.1	100.7
39	56.6	45.8	68.6

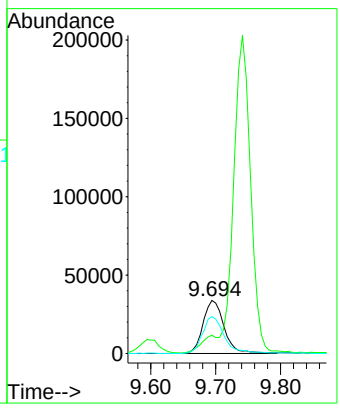




#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 88 Resp: 76189

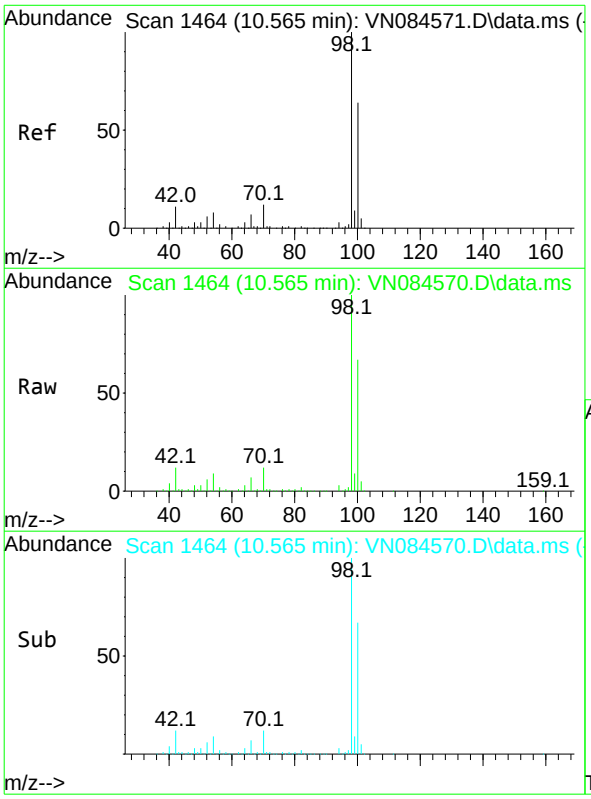
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

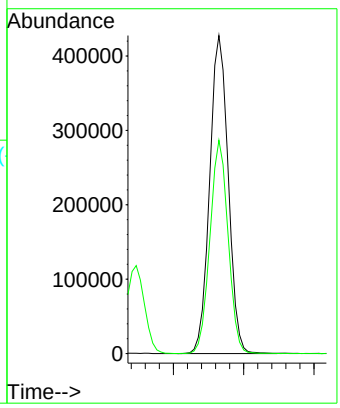
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

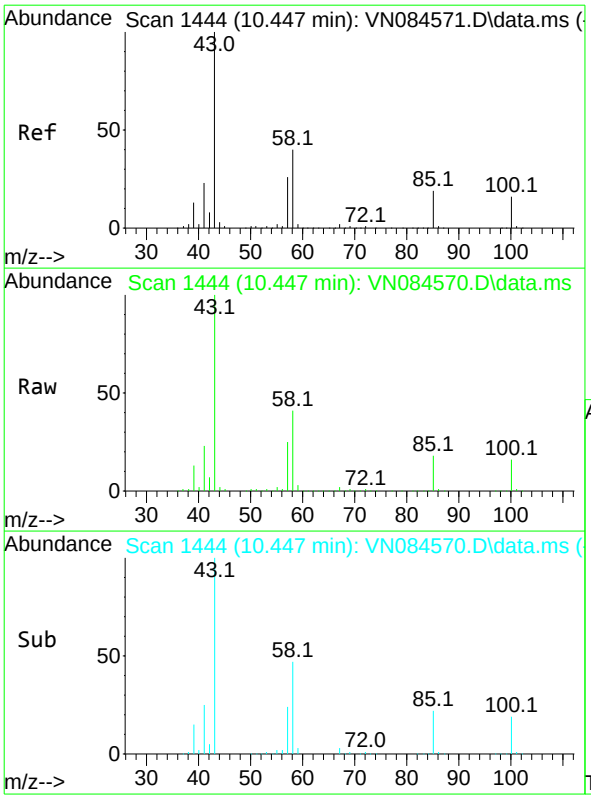


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

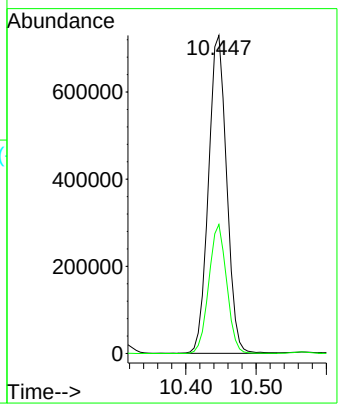




#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 1312148

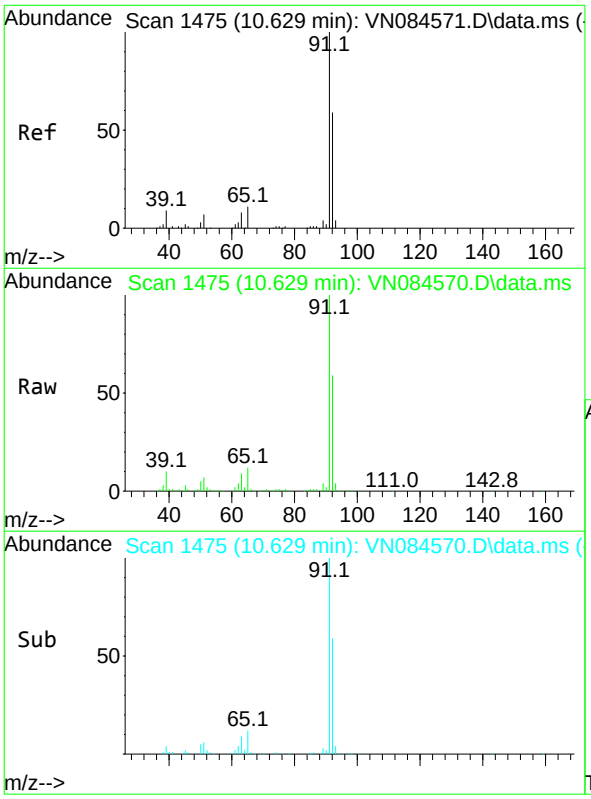
Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

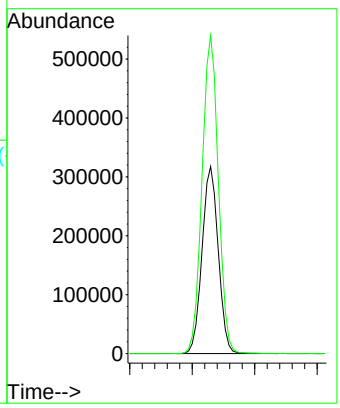
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

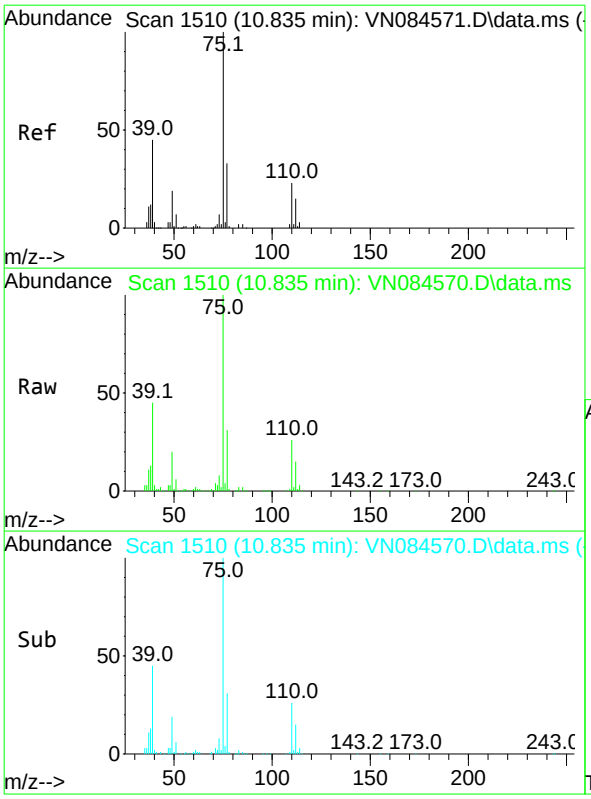


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9

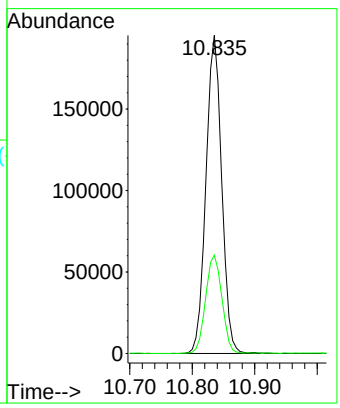




#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 341196

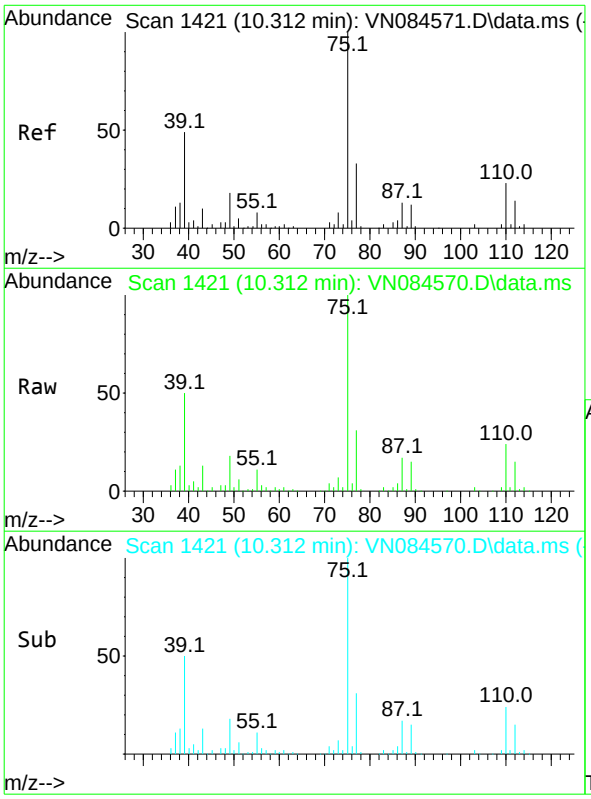
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

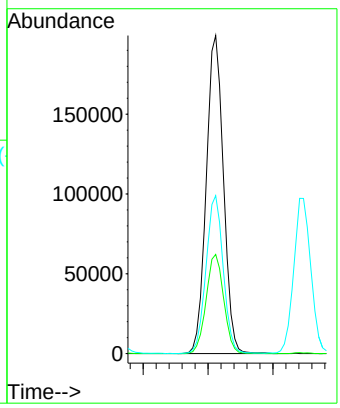
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

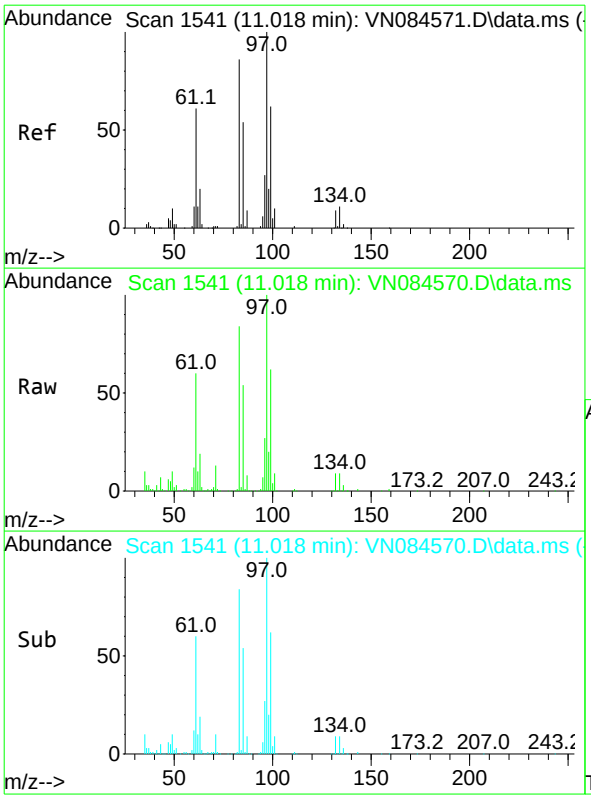


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 366358

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.2
39	49.7	38.7	58.1

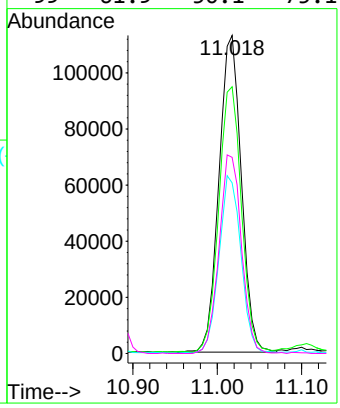




#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 207689

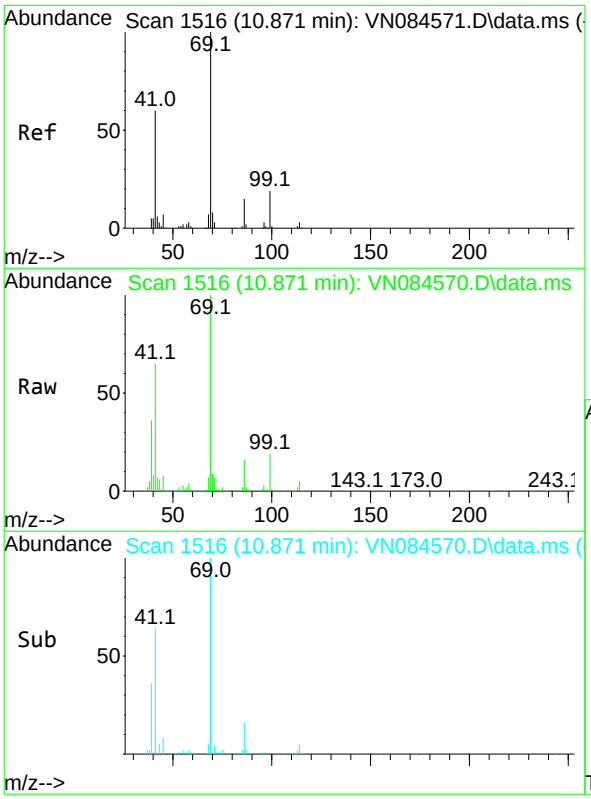
Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	53.7	41.7	62.5
99	61.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

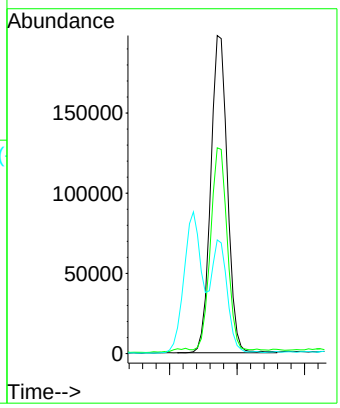
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

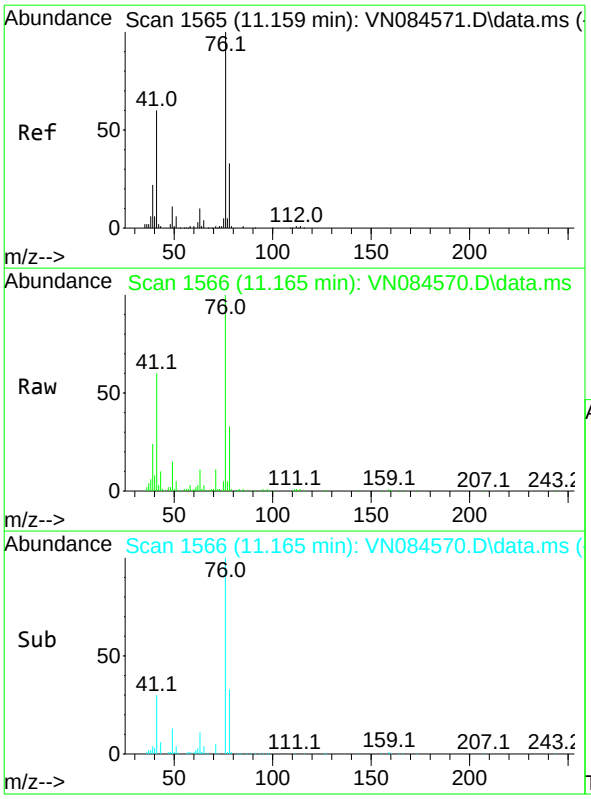


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 69 Resp: 340367

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	34.5	28.8	43.2

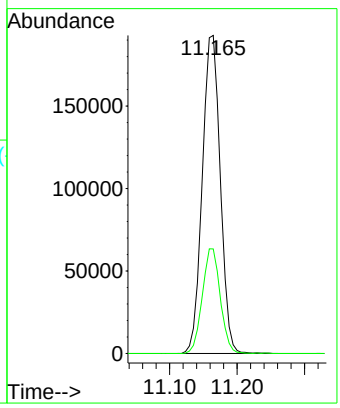




#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 357131

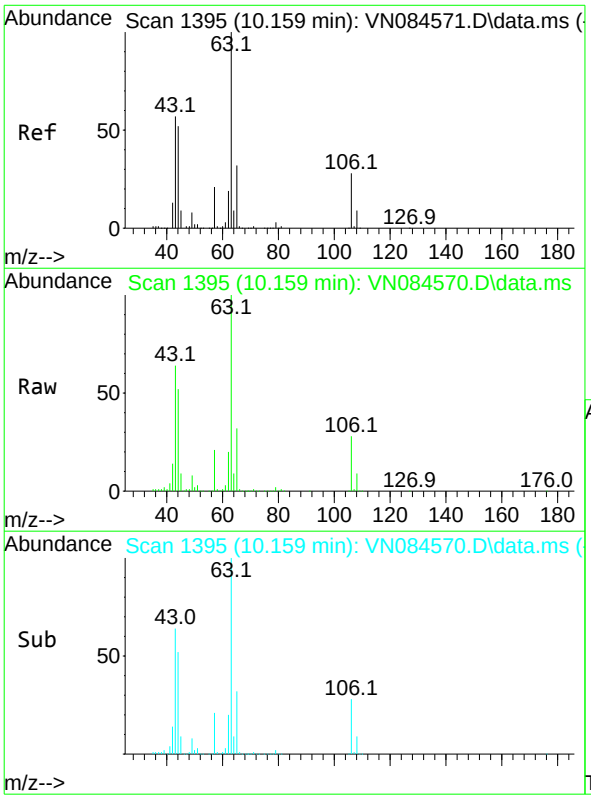
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

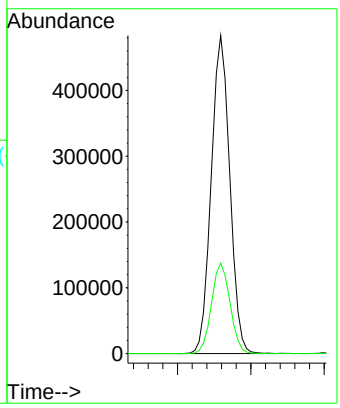
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

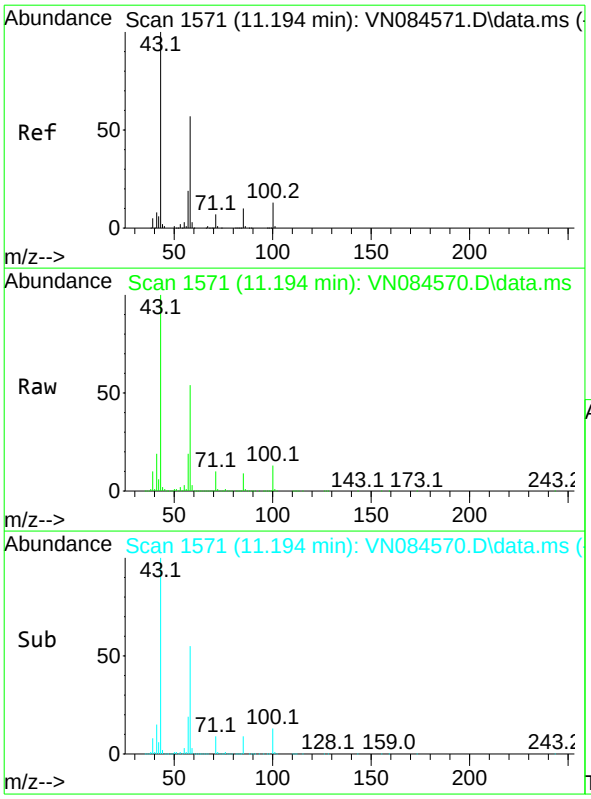


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

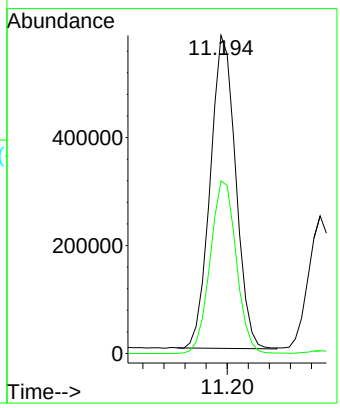




#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 971064

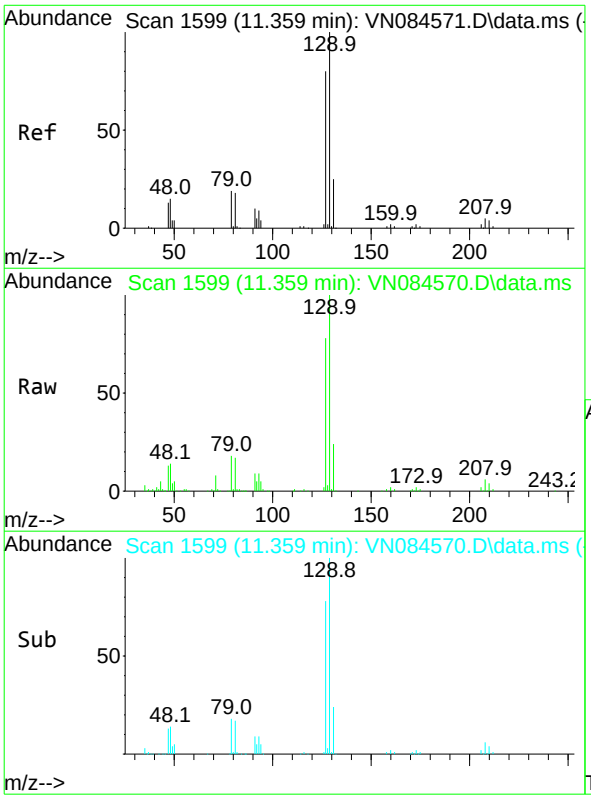
Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

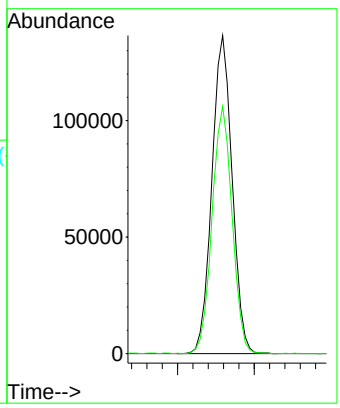
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

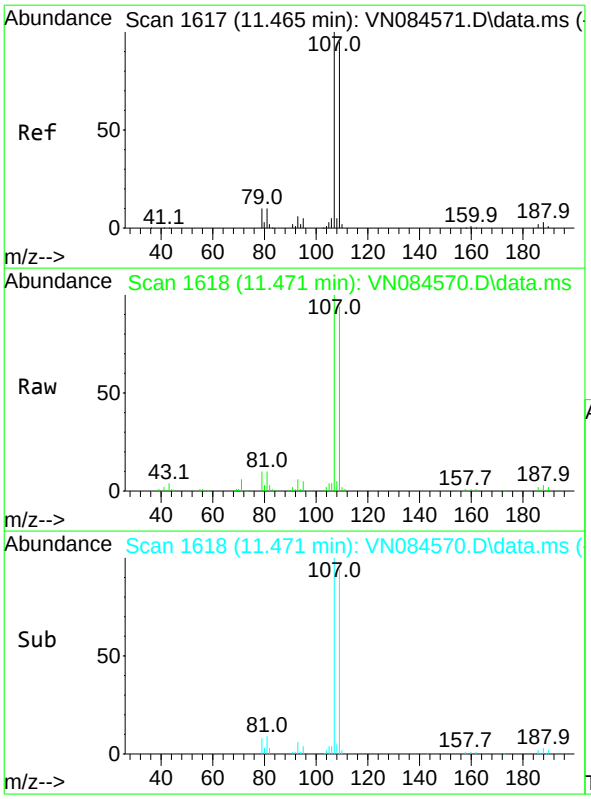


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9

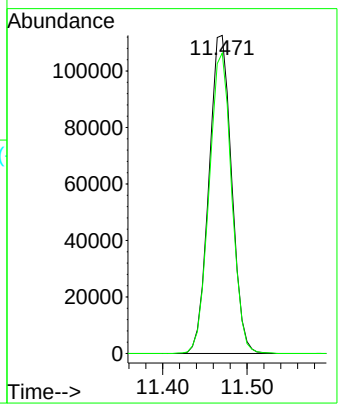




#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:107 Resp: 210043

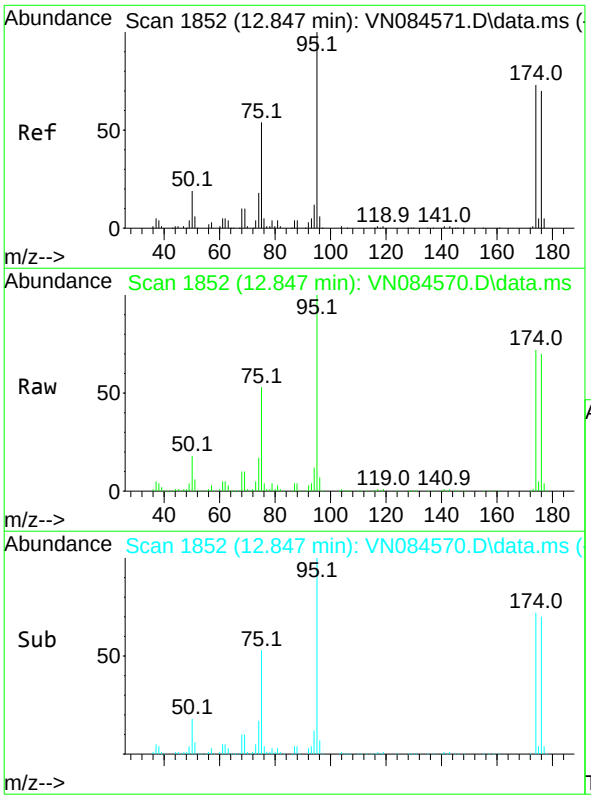
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

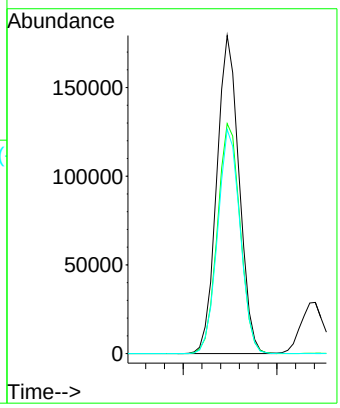
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

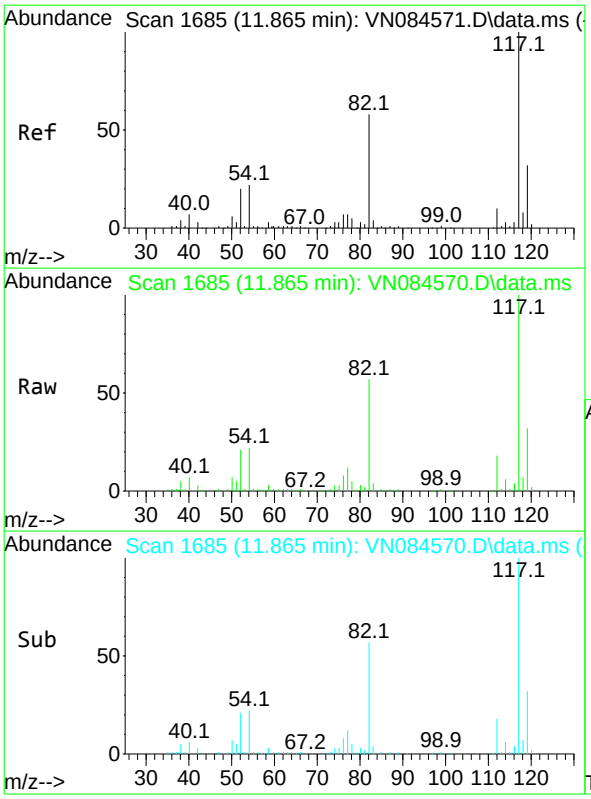


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 95 Resp: 297647

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.7	0.0	140.0

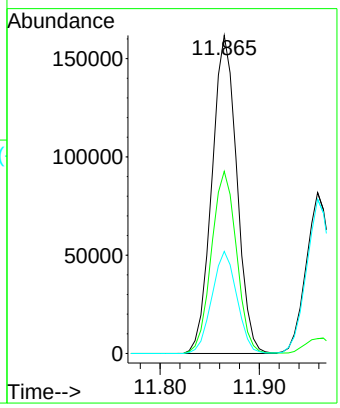




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 282514

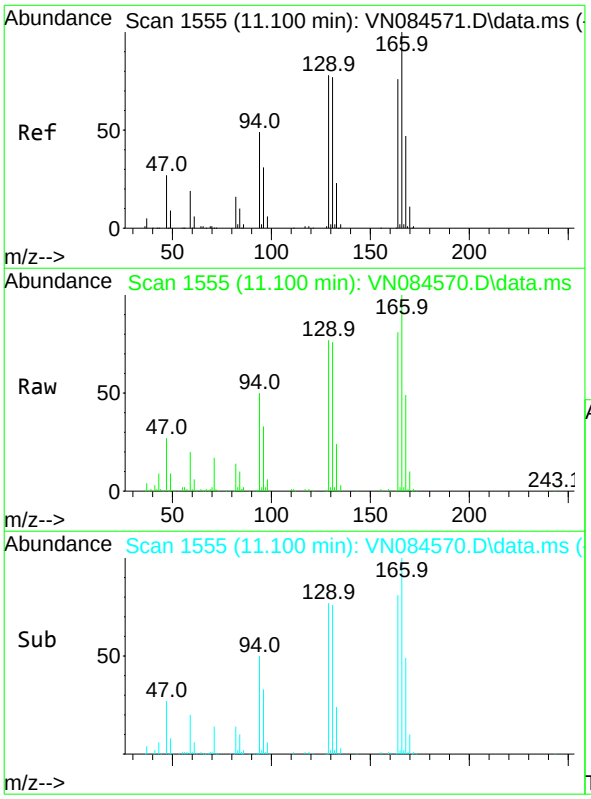
Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

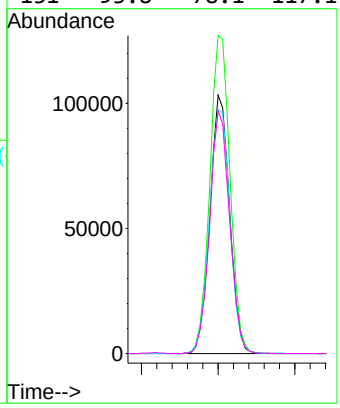
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

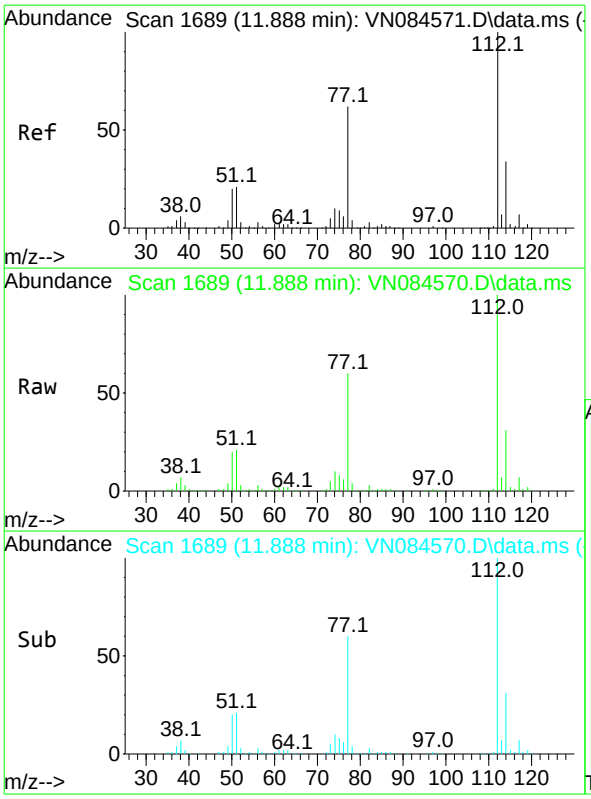


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:164 Resp: 184478

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	94.5	80.8	121.2
131	93.8	78.1	117.1

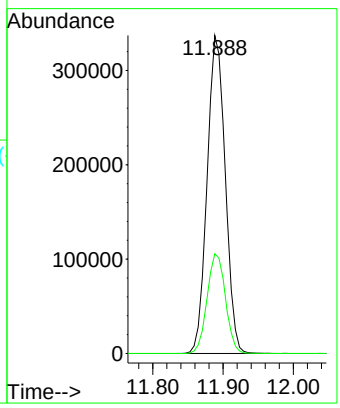




#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:112 Resp: 603595

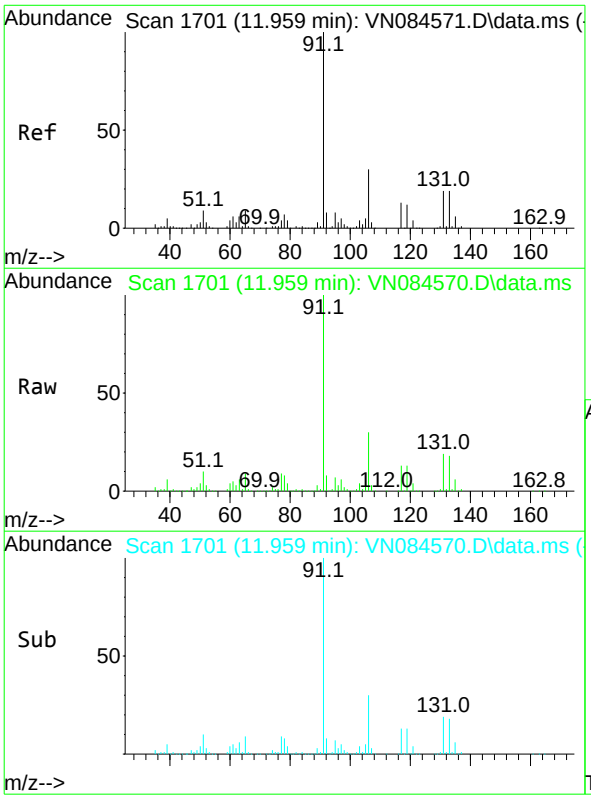
Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

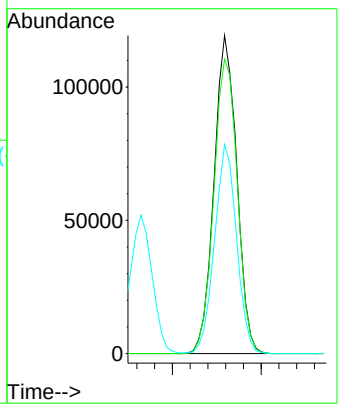
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

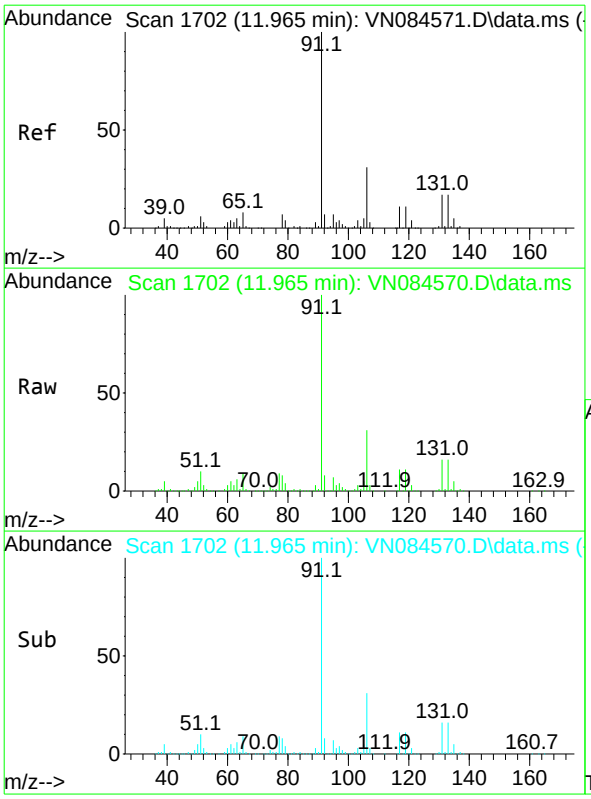


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:131 Resp: 212055

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.7
119	63.9	32.8	98.3

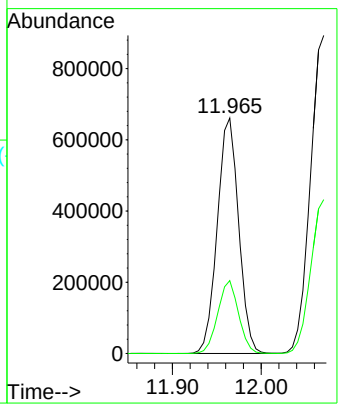




#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1106035

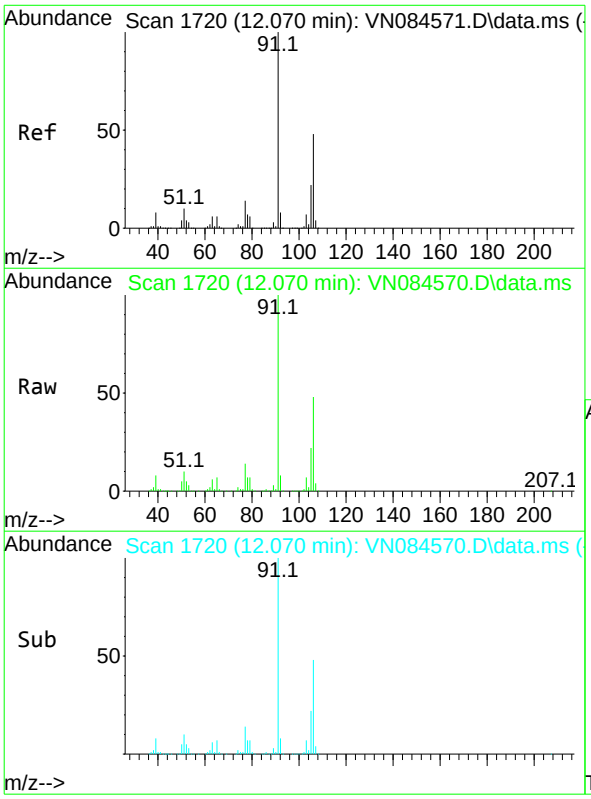
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

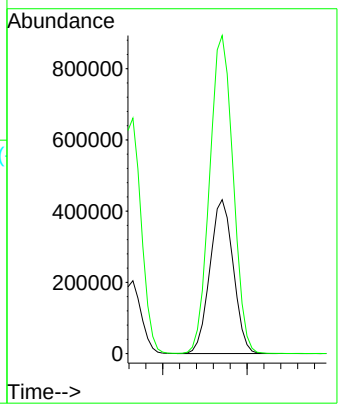
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

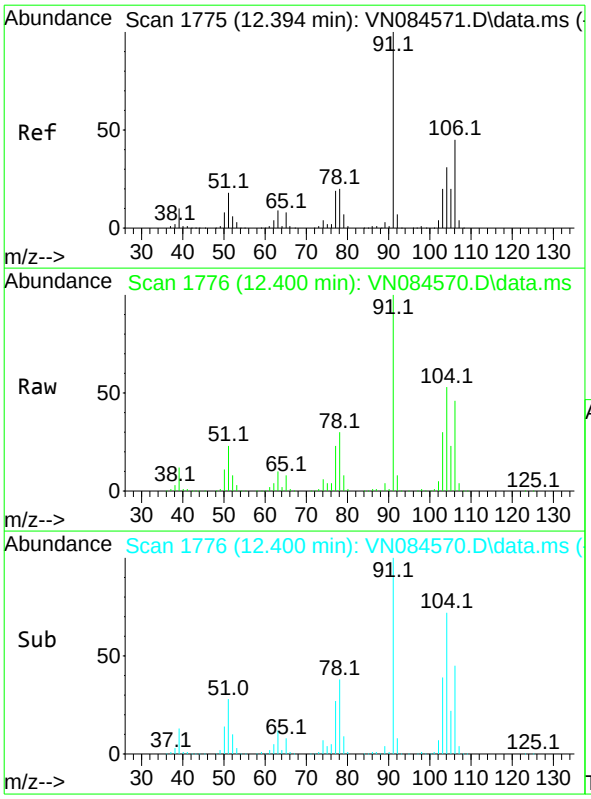


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7

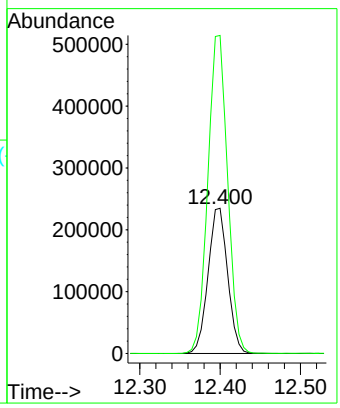




#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 397449

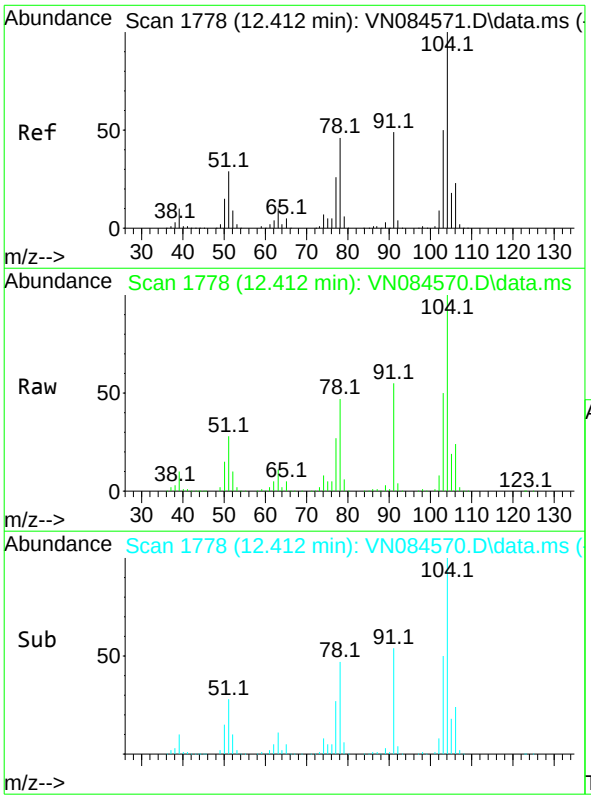
Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

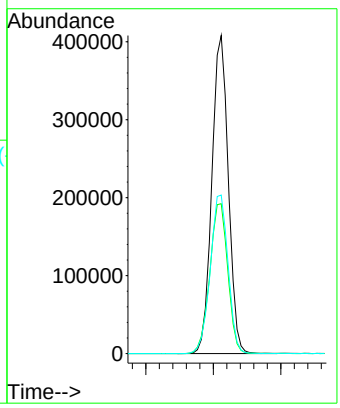
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

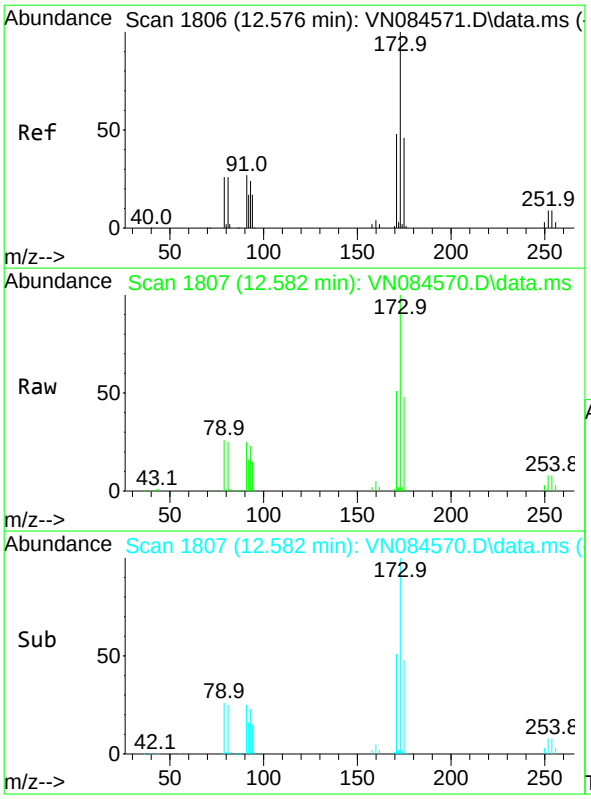


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:104 Resp: 691175

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.0	43.6	65.4

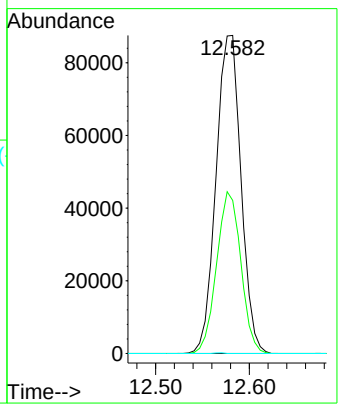




#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:173 Resp: 162189

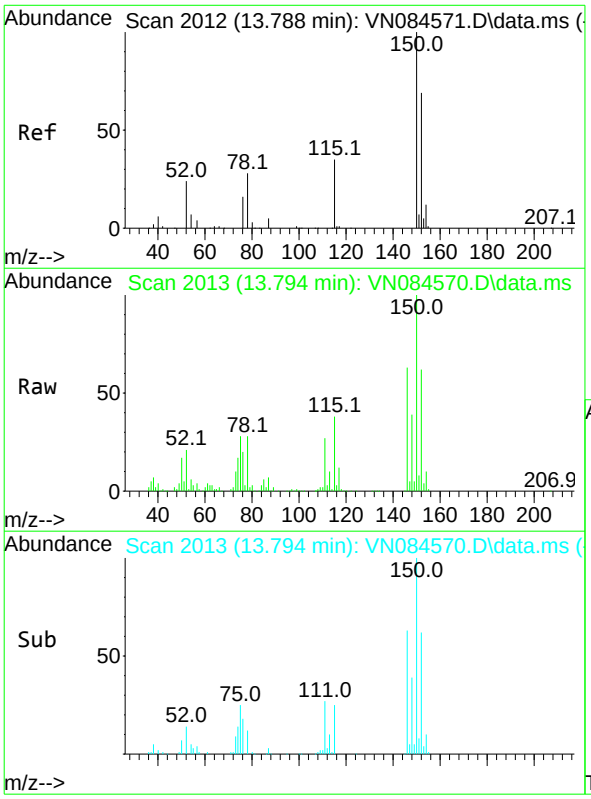
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

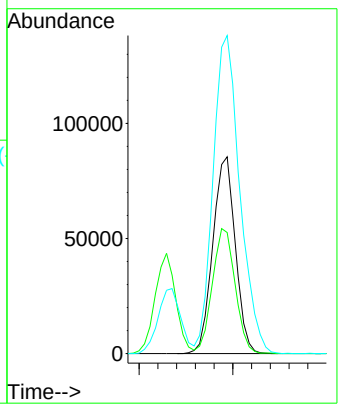
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

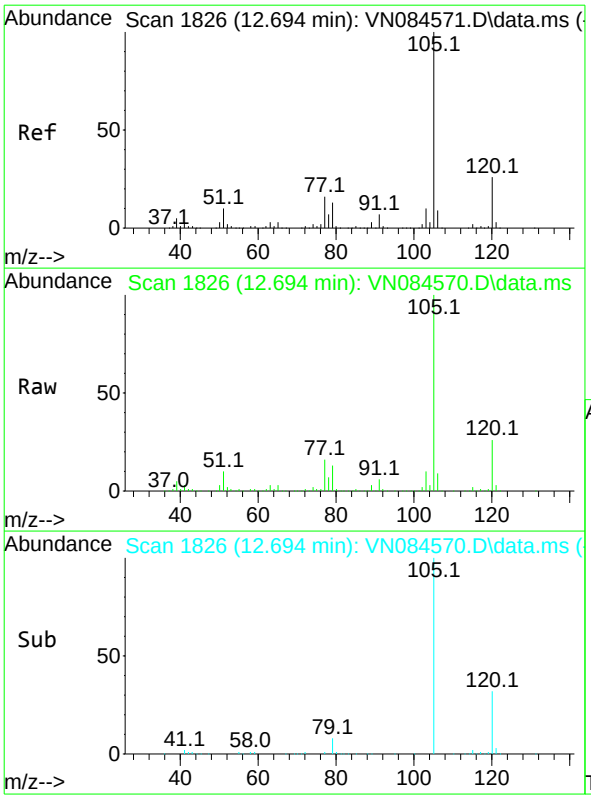


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:152 Resp: 142702

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.3	93.9
150	191.6	0.0	349.8

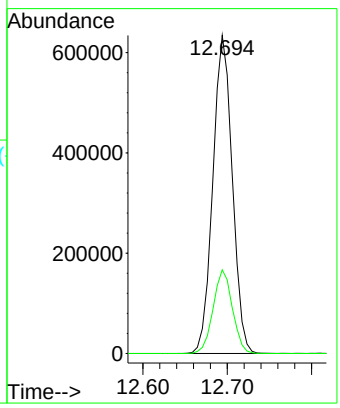




#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1015352

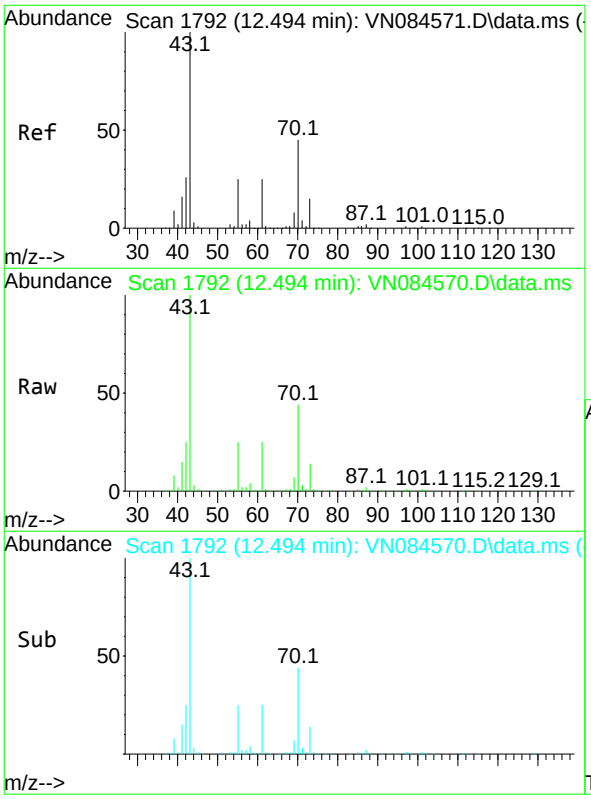
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

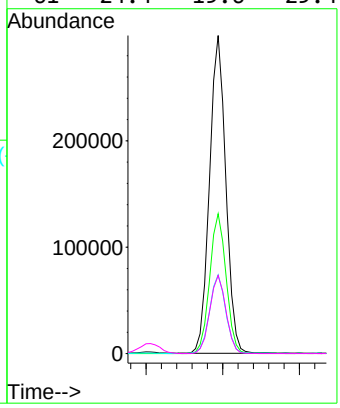
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

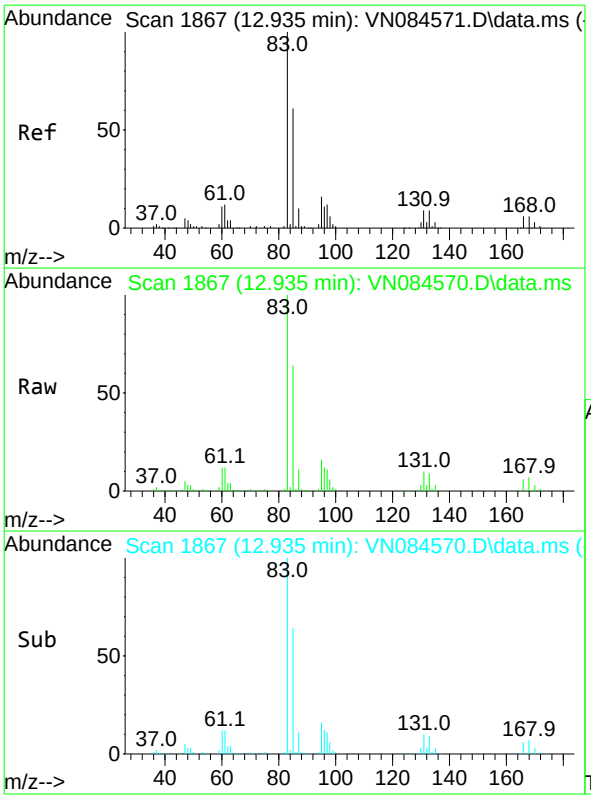


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 441232

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.0	19.6	29.4
61	24.4	19.6	29.4

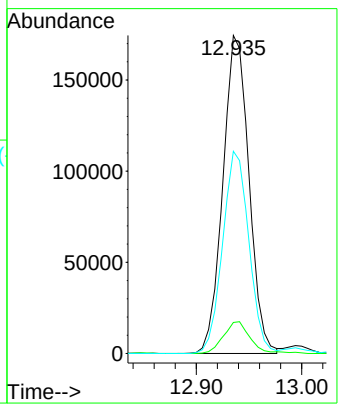




#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 300162

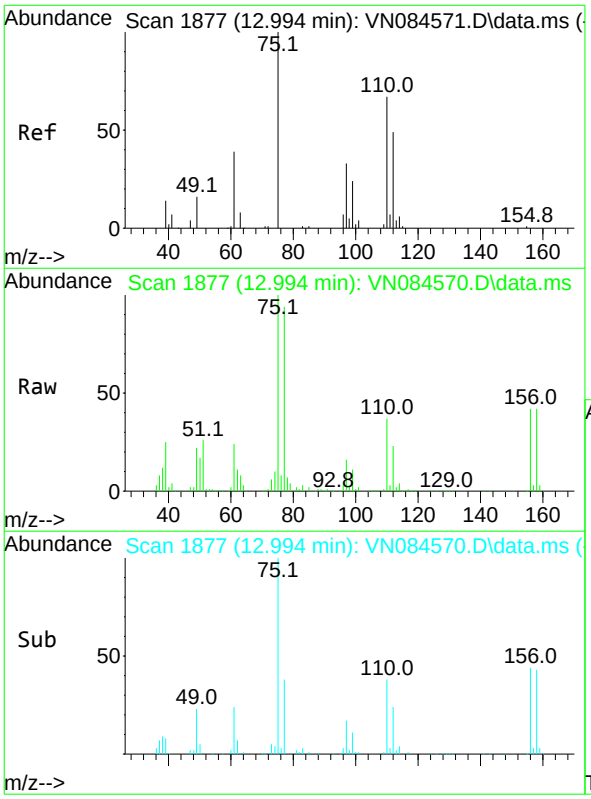
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

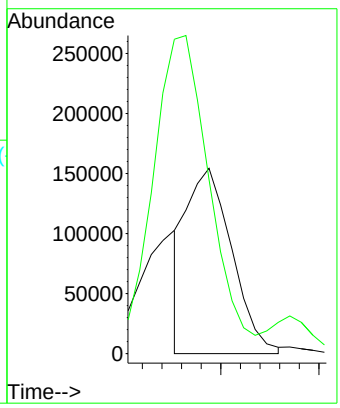
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

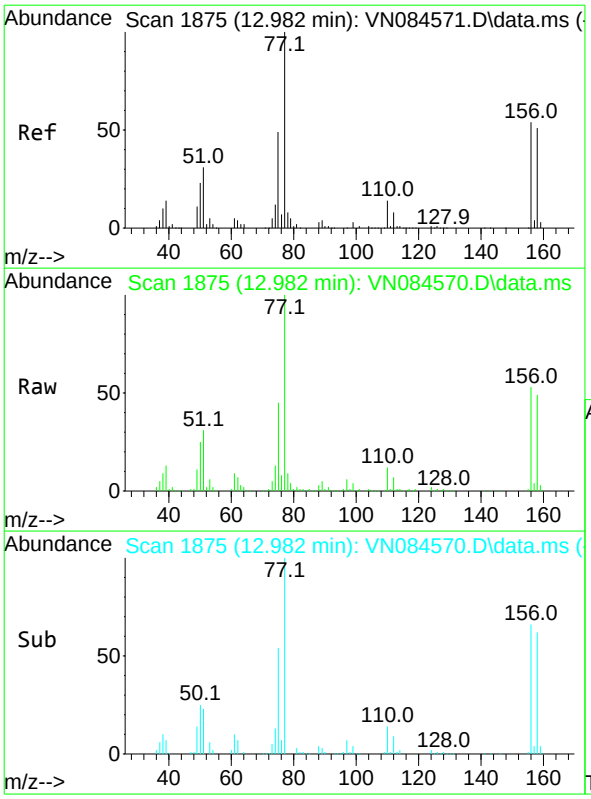


#76
1,2,3-Trichloropropane
Concen: 88.446 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 249062

Ion	Ratio	Lower	Upper
75	100		
77	214.0	96.9	290.7

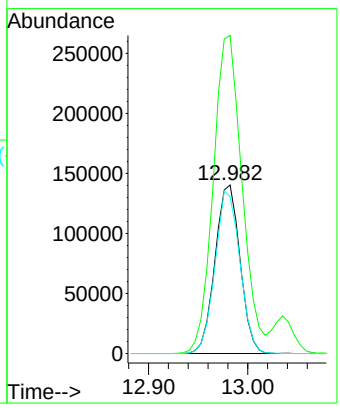




#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:156 Resp: 245558

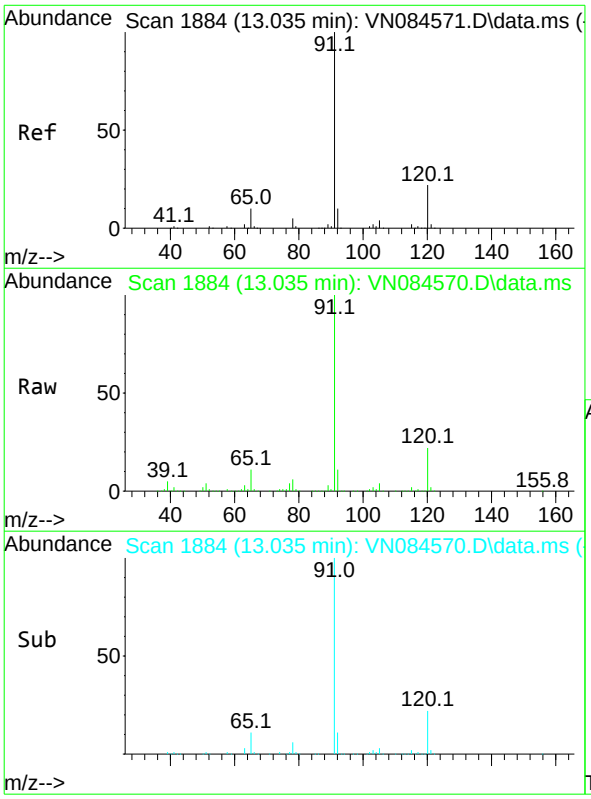
Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	96.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

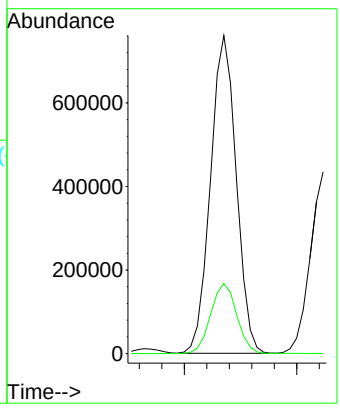
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

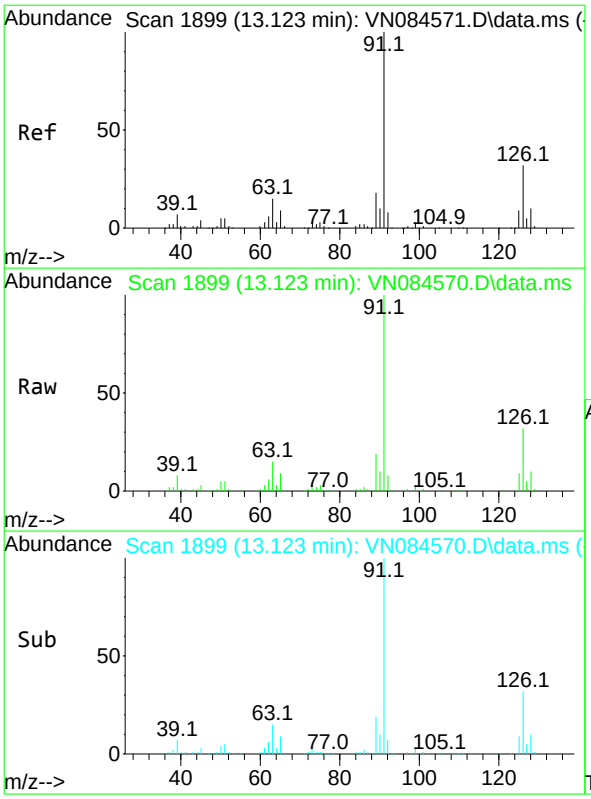


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

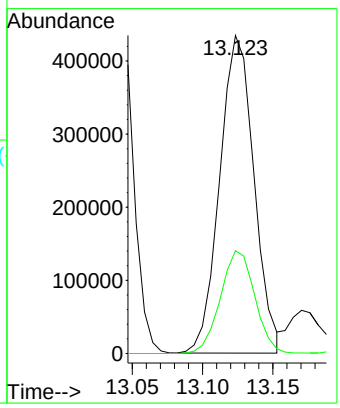




#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 736738

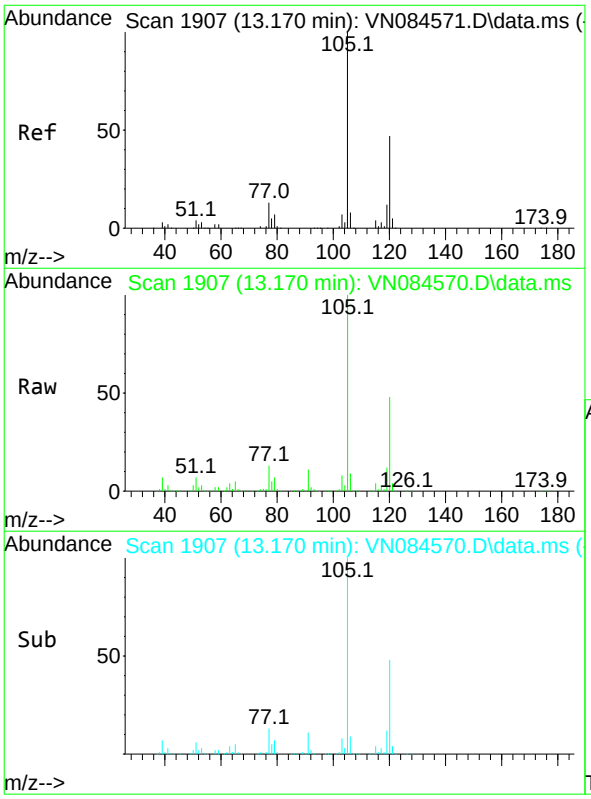
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

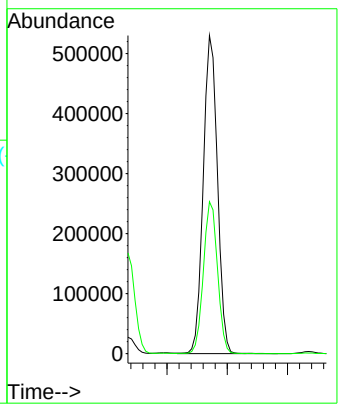
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

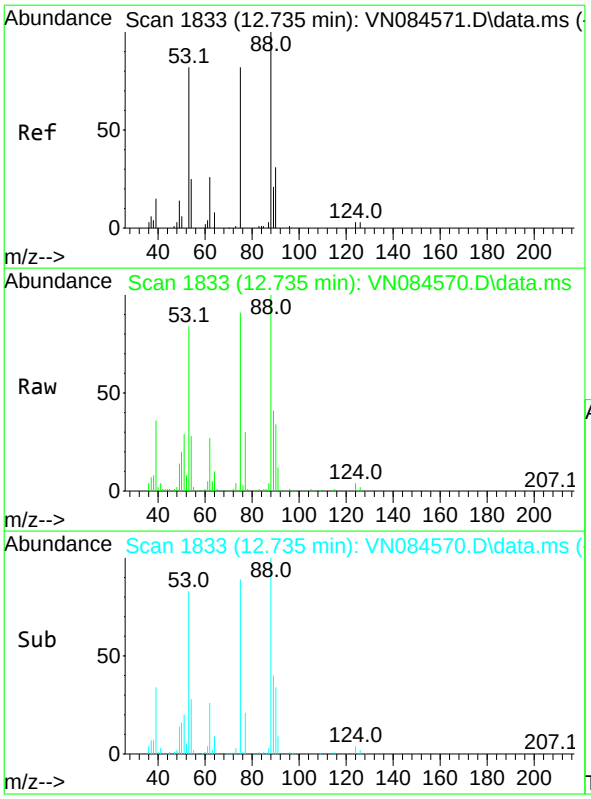


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

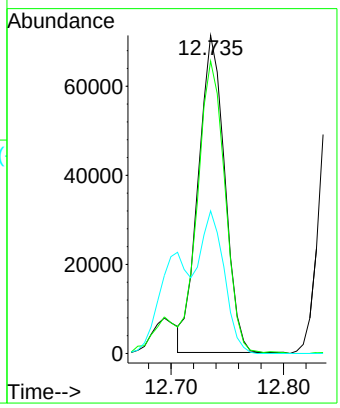
Tgt Ion: 75 Resp: 115847

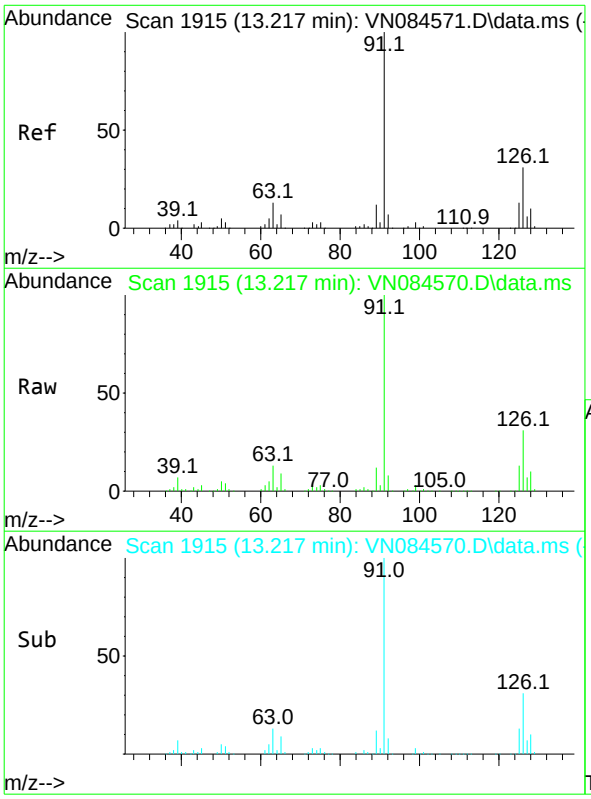
Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.0	117.0
89	42.4	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

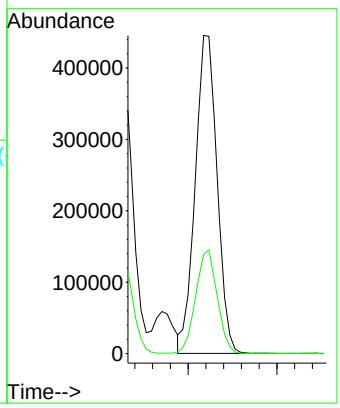


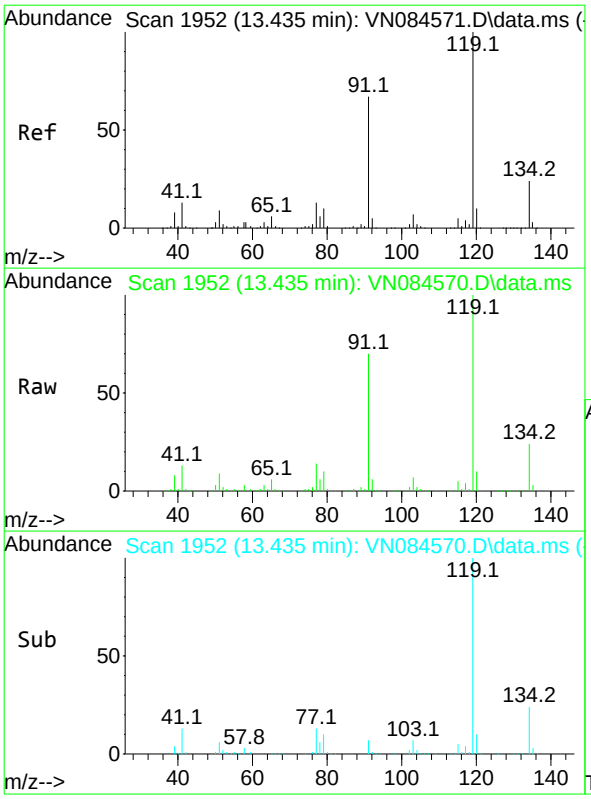


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

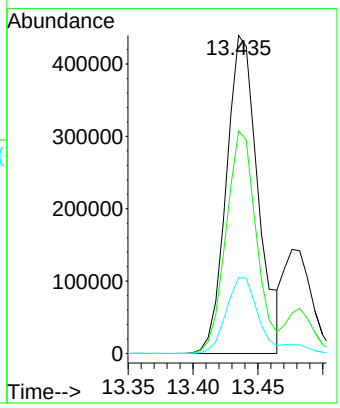




#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 746926

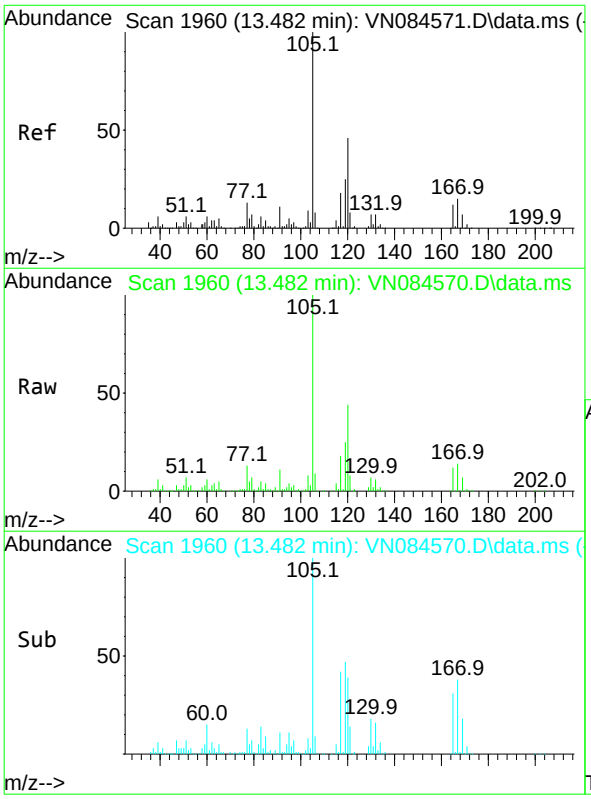
Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

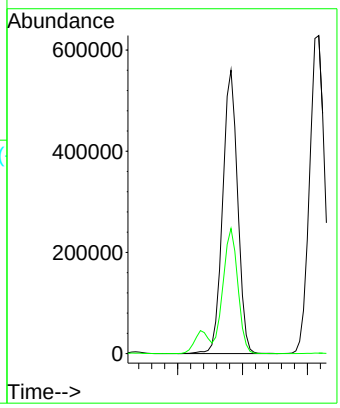
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

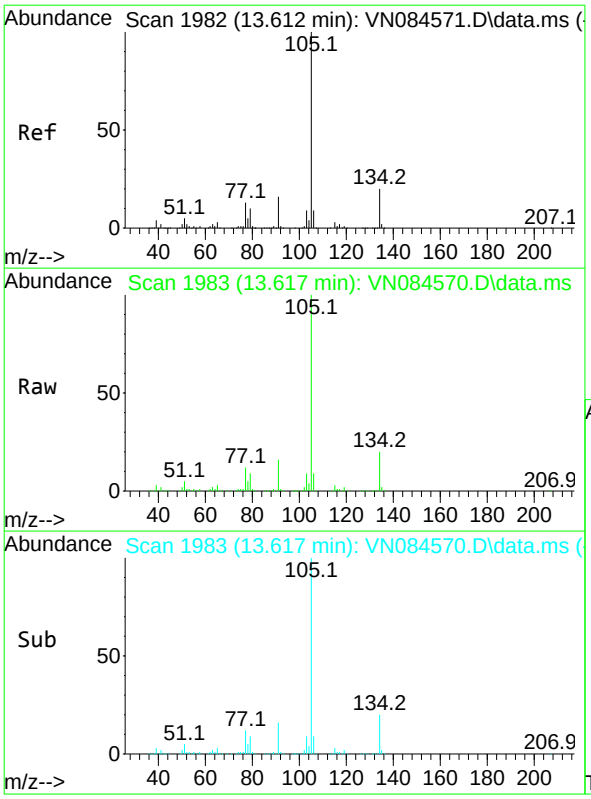


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

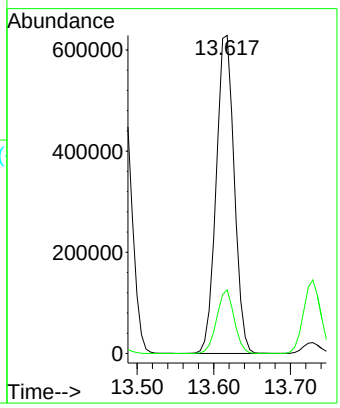




#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1027413

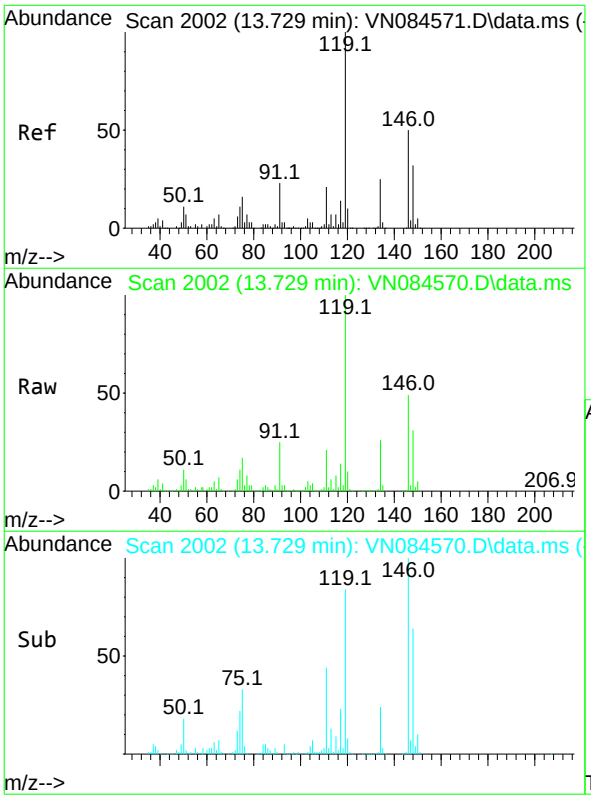
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

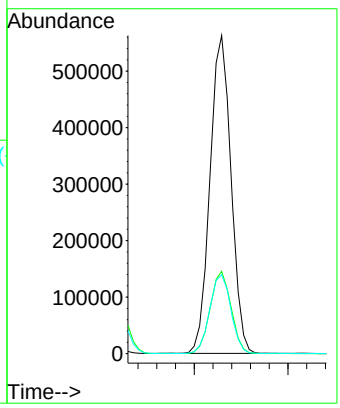
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

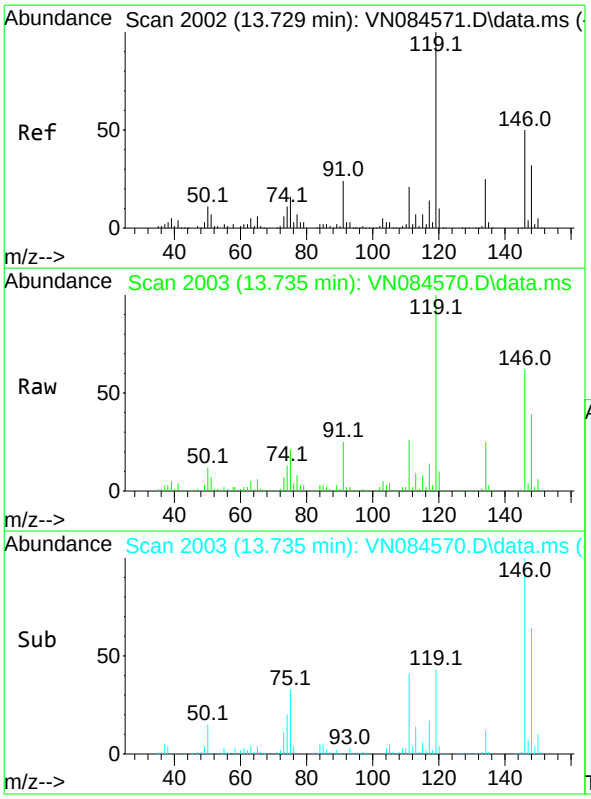


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 877717

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.9	12.4	37.2

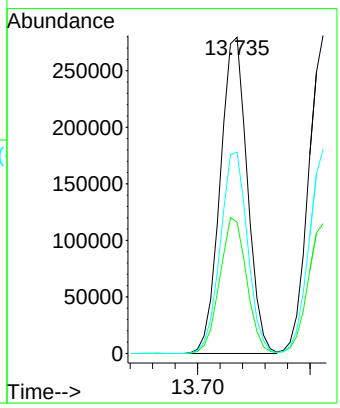




#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 468620

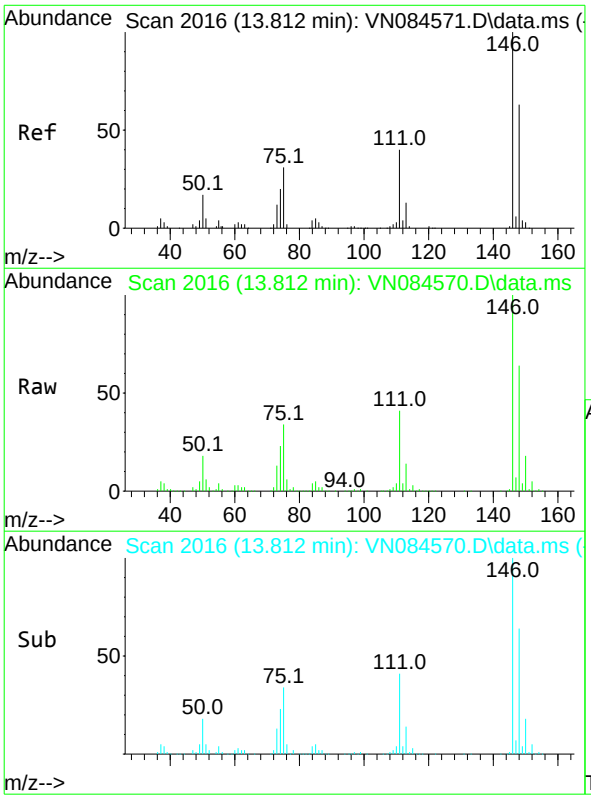
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

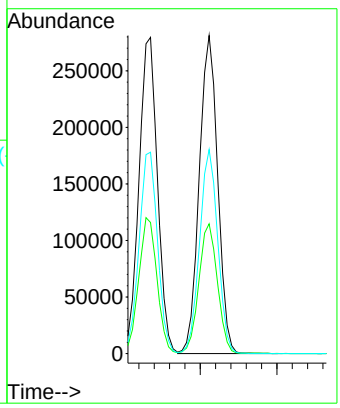
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

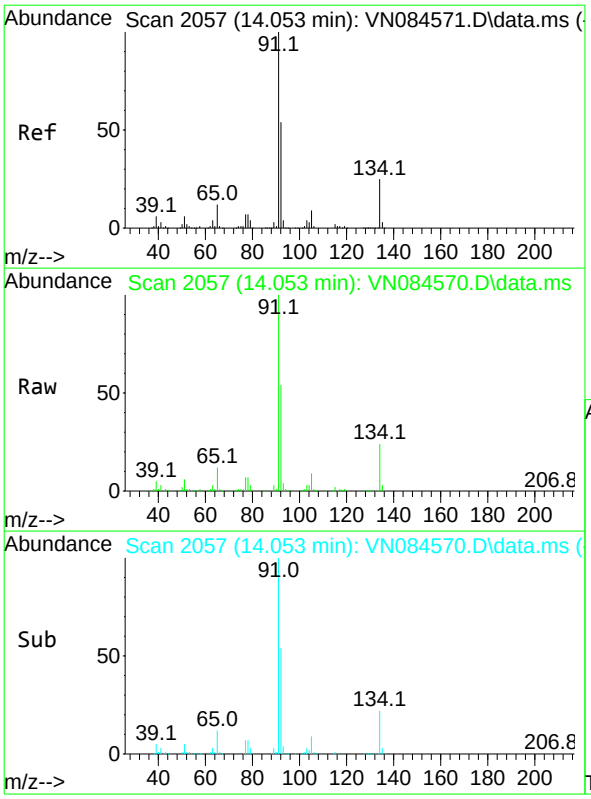


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 469714

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.1	31.9	95.9

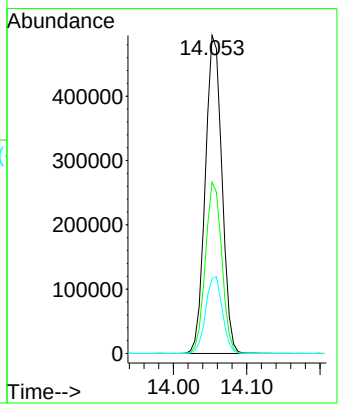




#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 778487

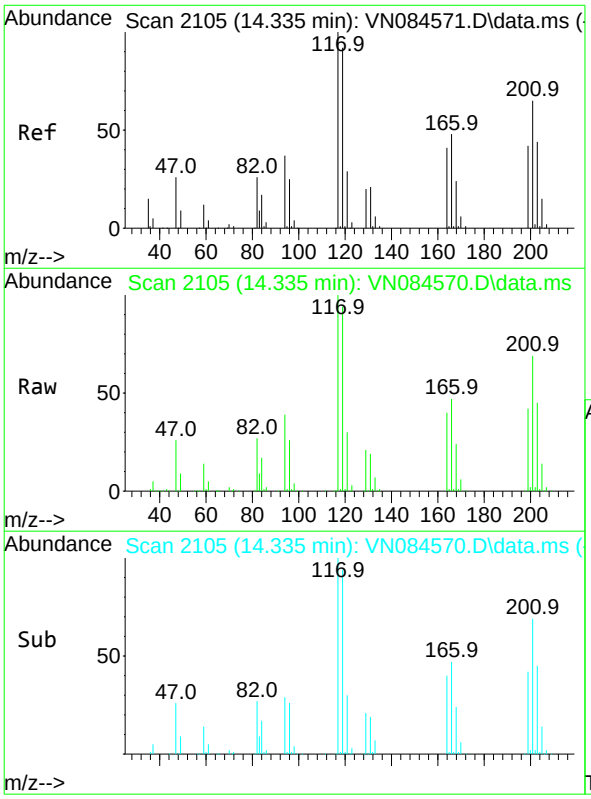
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.3	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

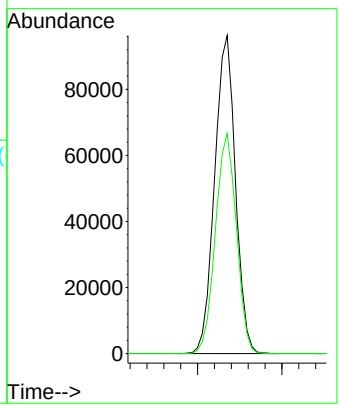
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

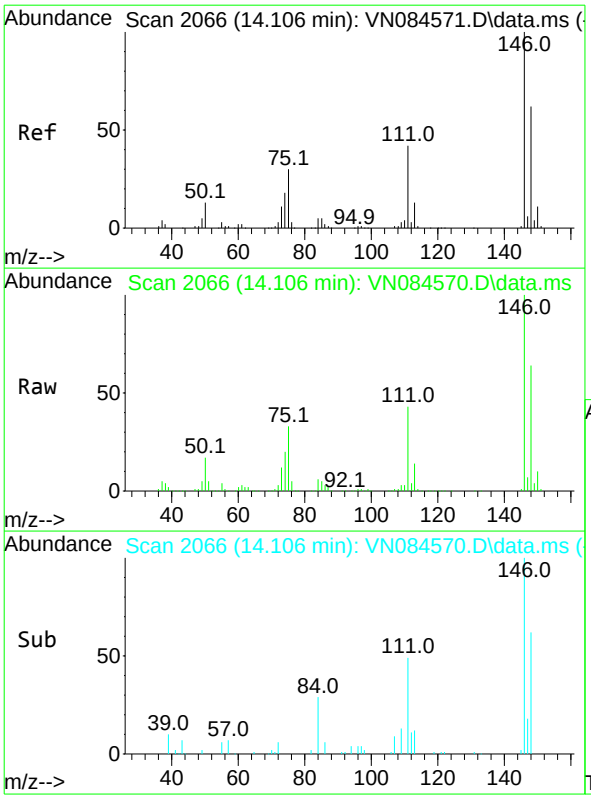


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2

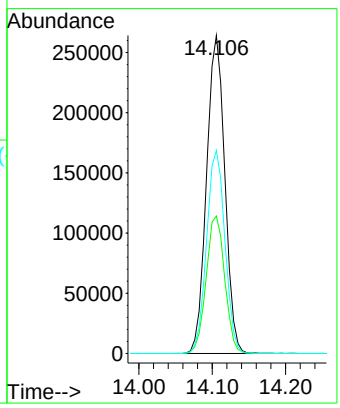




#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 456925

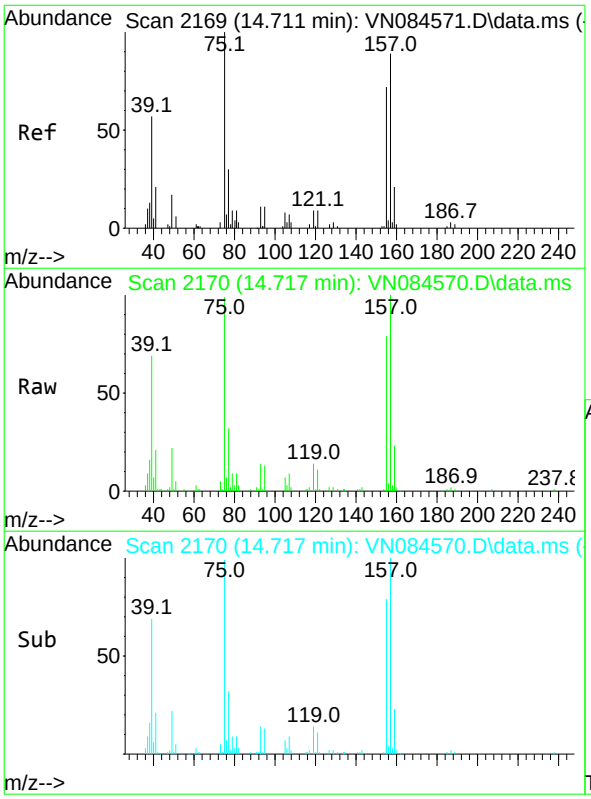
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

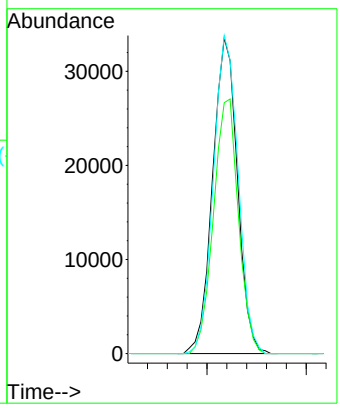
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

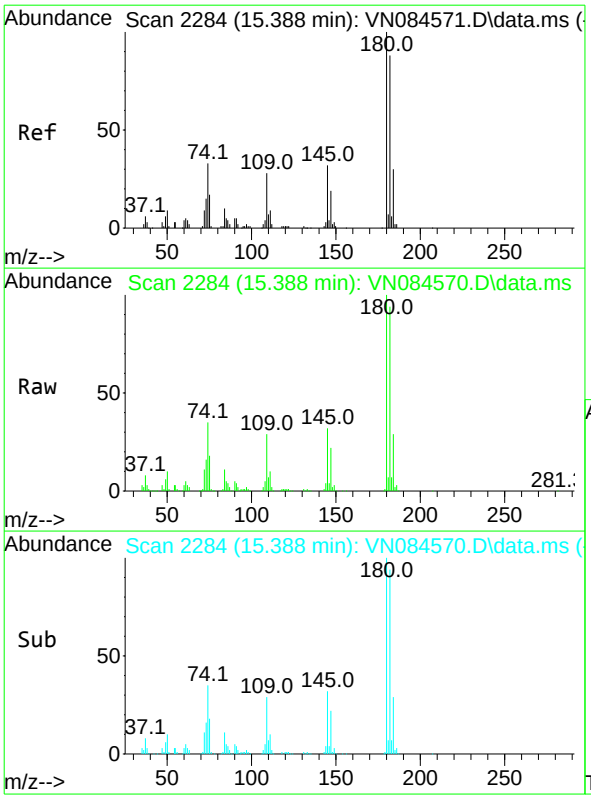


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 58247

Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.1	114.5
157	100.4	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

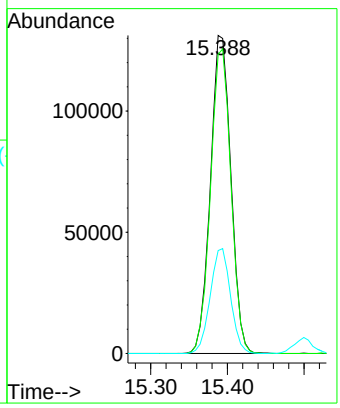
Tgt Ion:180 Resp: 243087

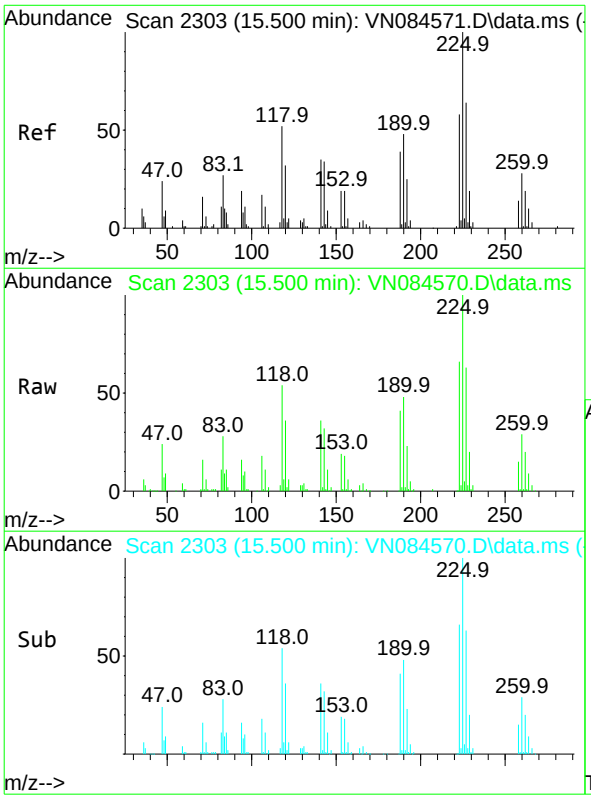
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.4	49.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

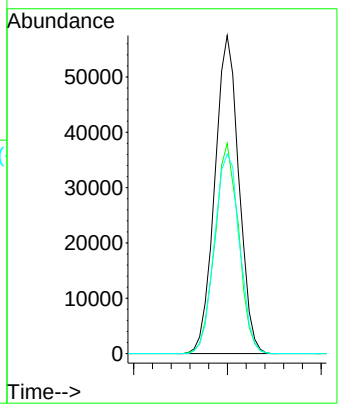


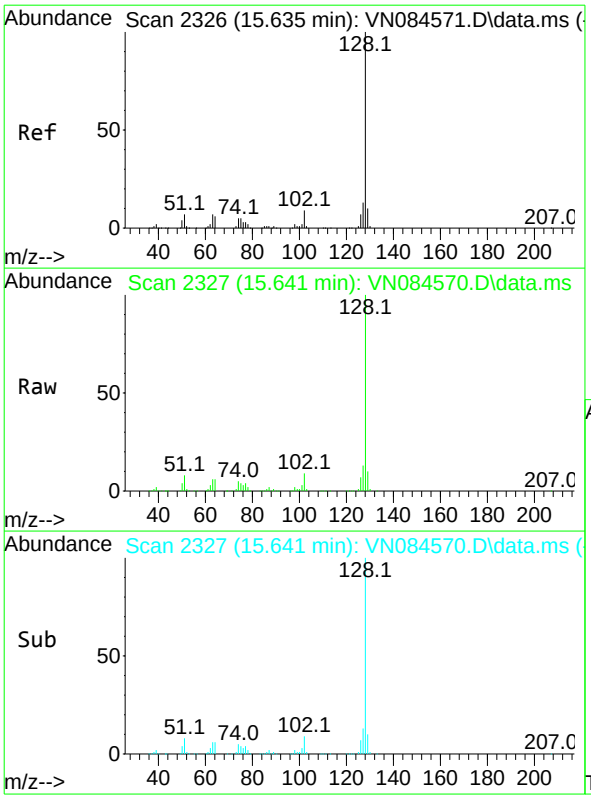


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:225 Resp: 102558

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	65.6	32.4	97.0

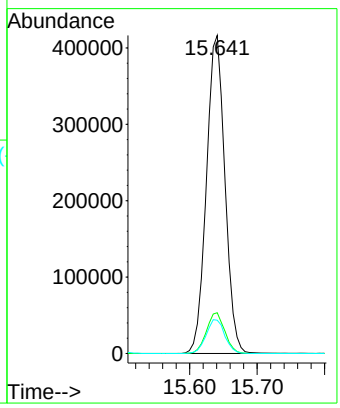




#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:128 Resp: 792903

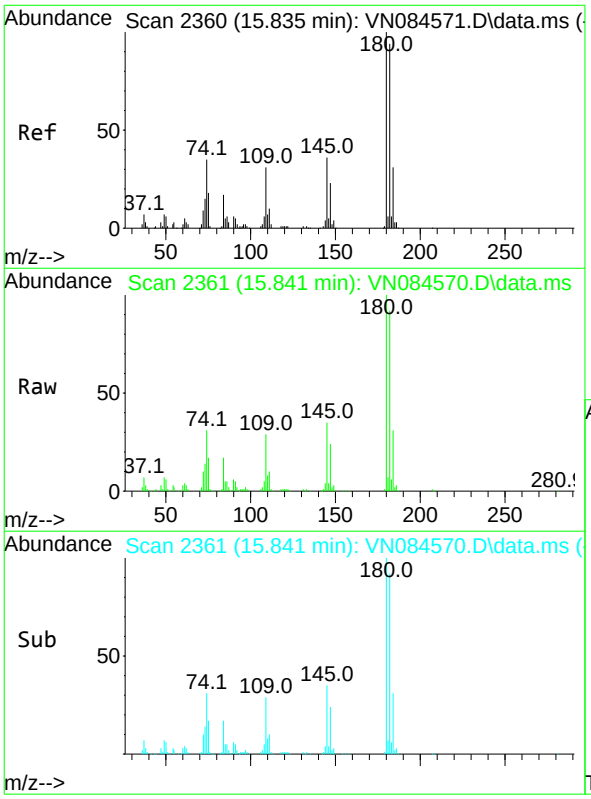
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

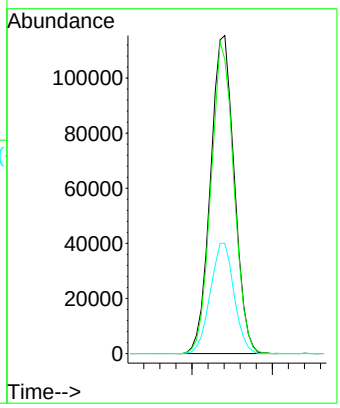
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 88.667 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 237515

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

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

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

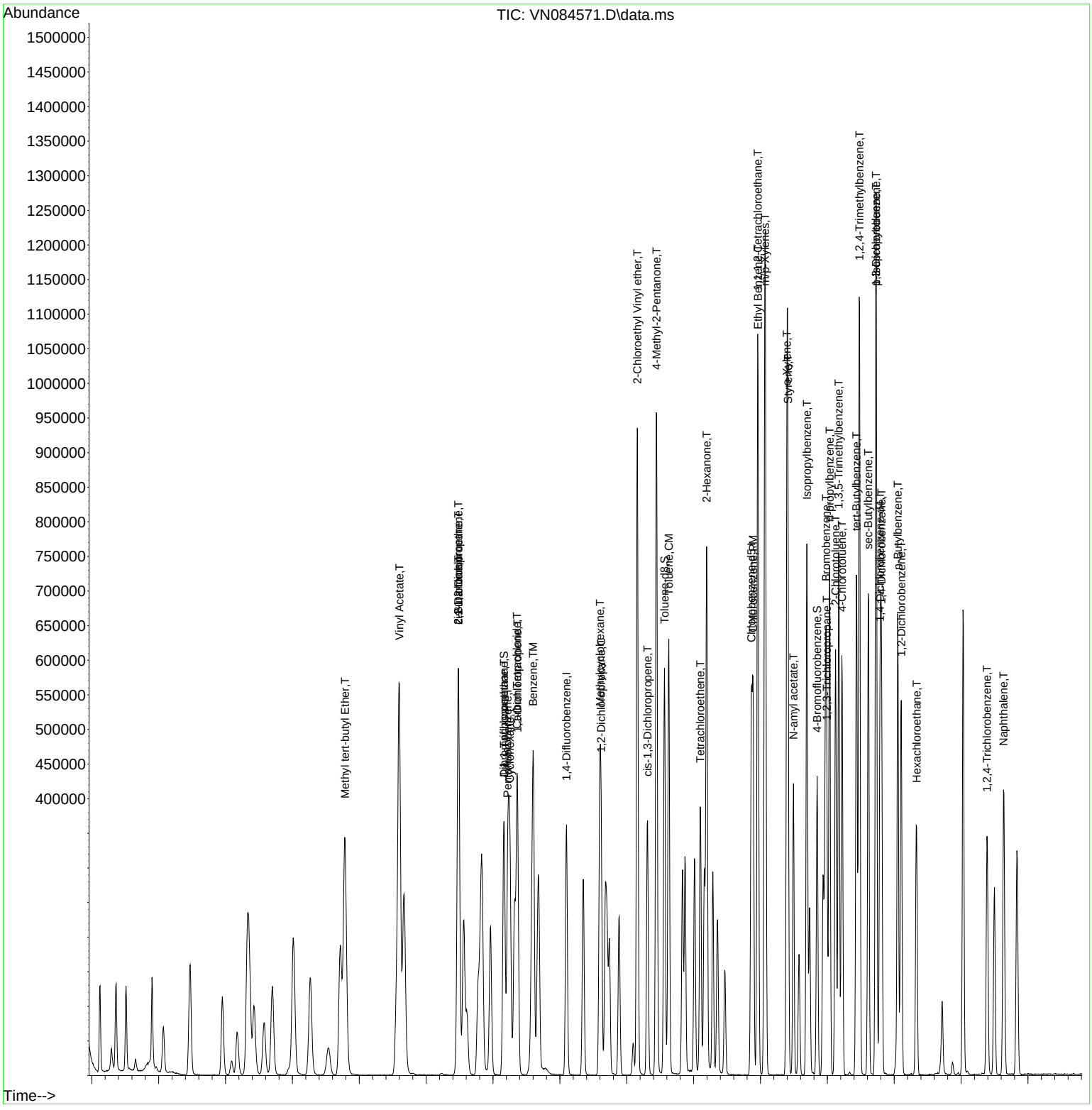
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

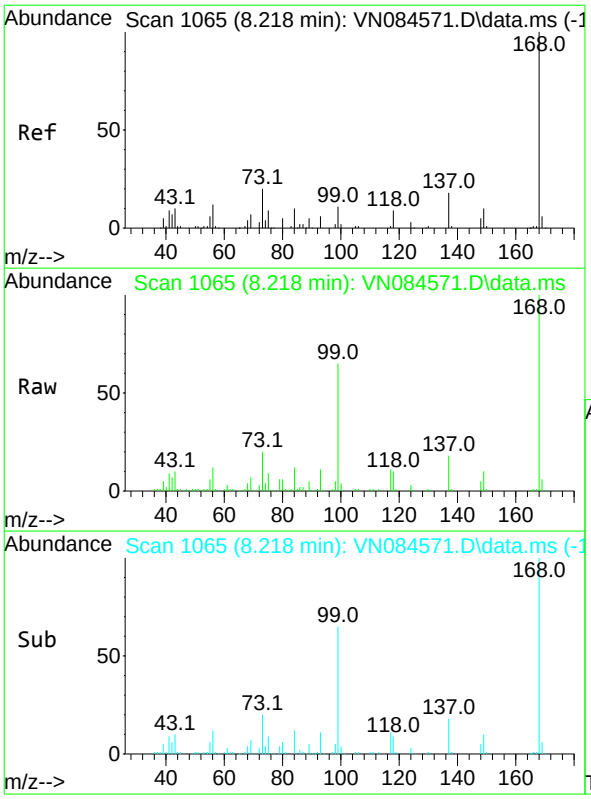
Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

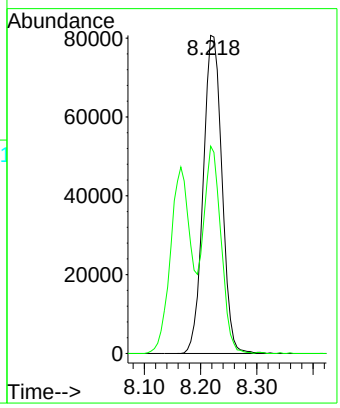




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:168 Resp: 186594

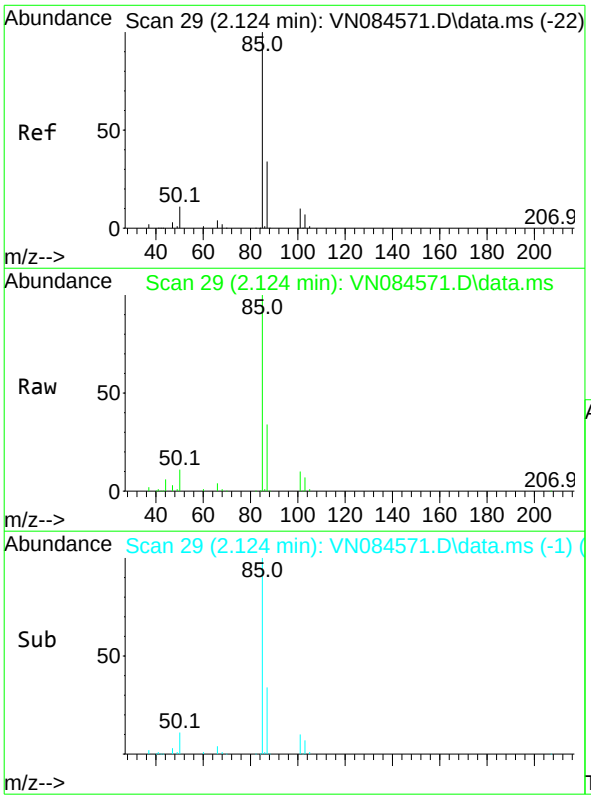
Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

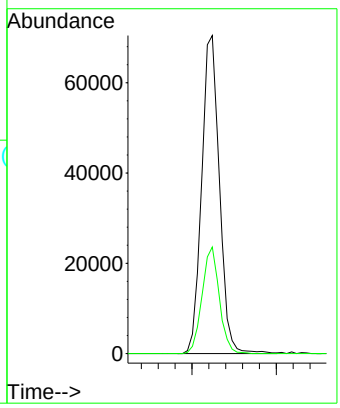
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

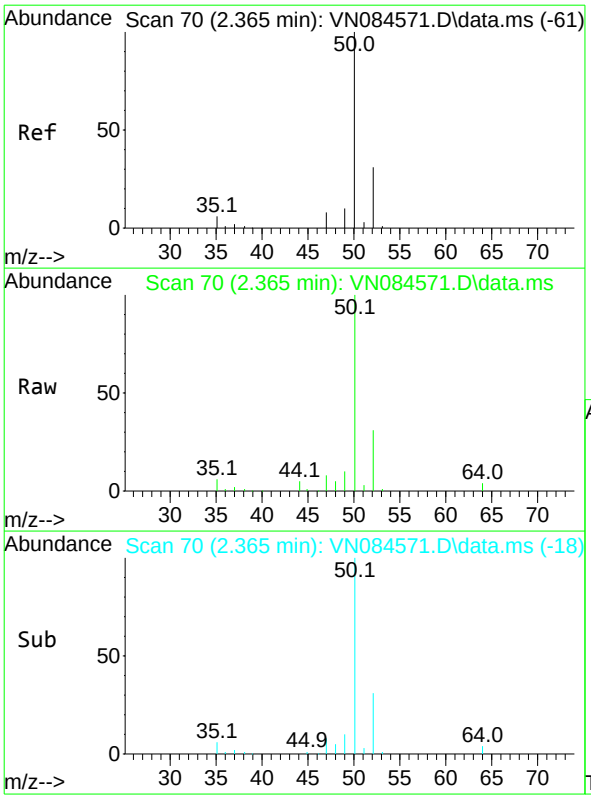


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9

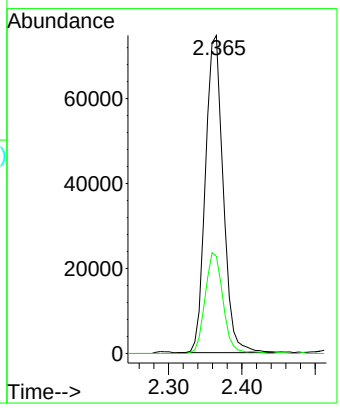




#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 50 Resp: 125344

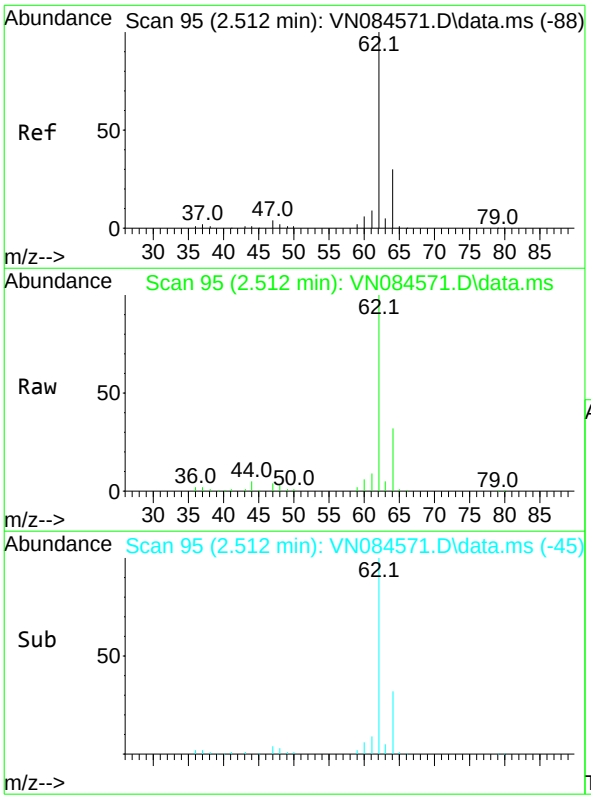
Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

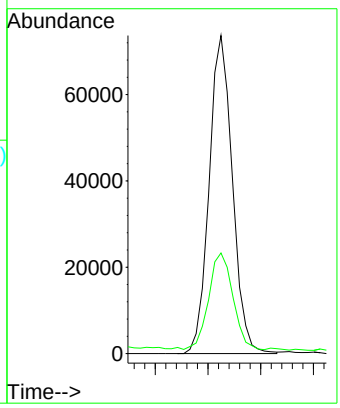
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

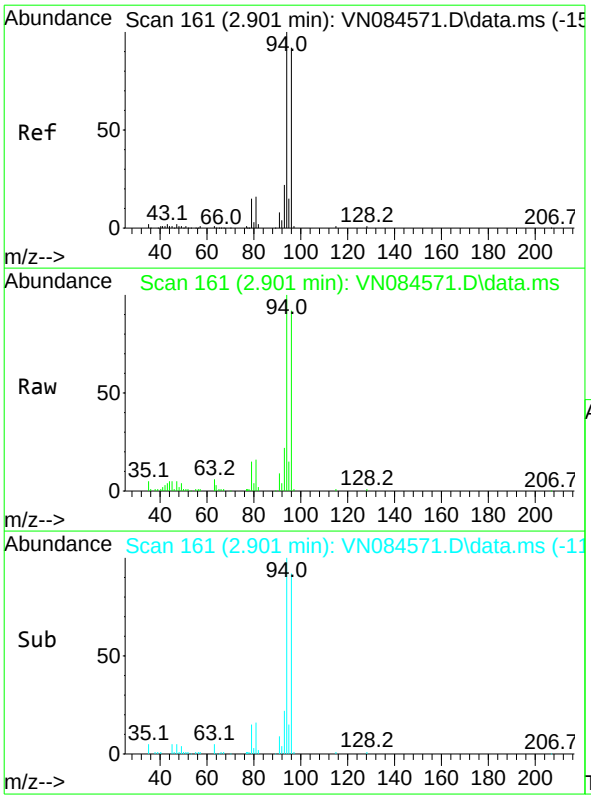


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4

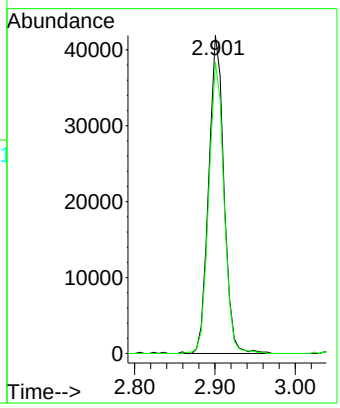




#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 94 Resp: 55194

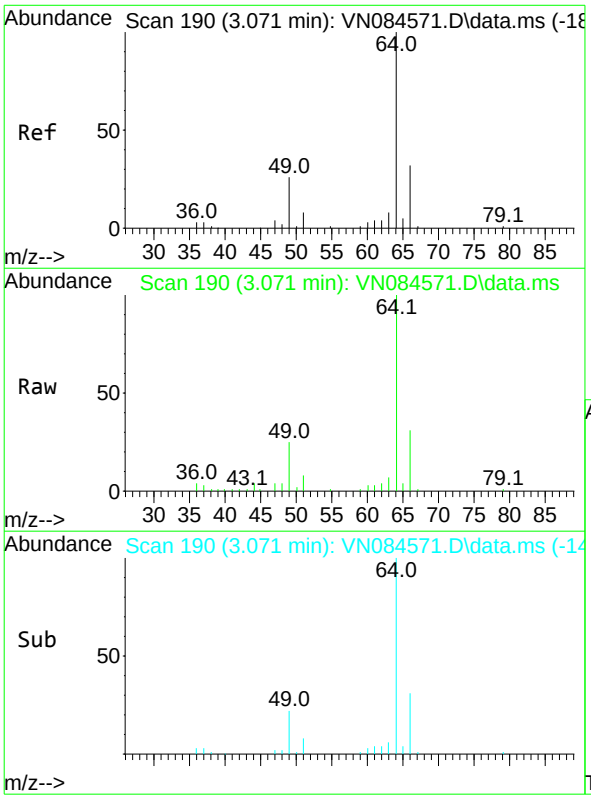
Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

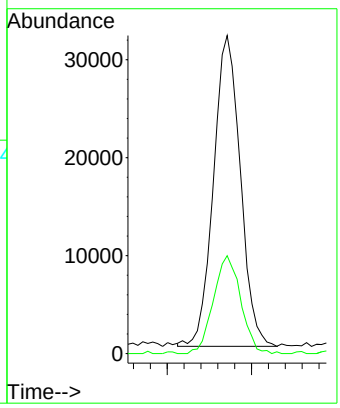
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

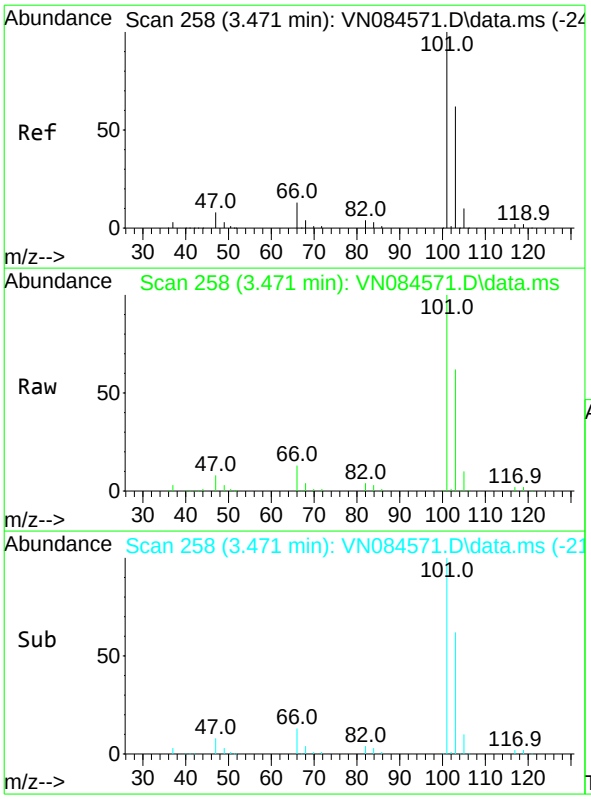


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3

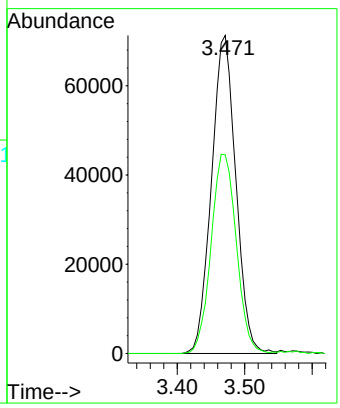




#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 178947

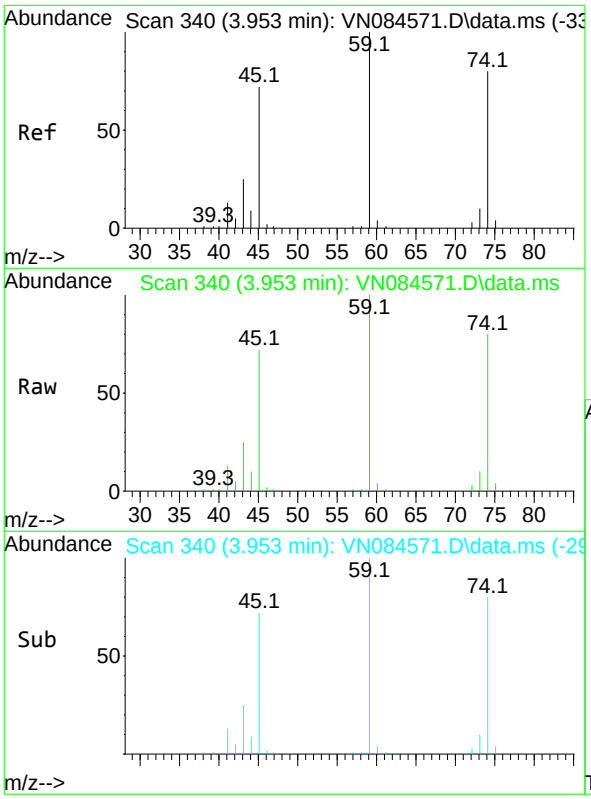
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

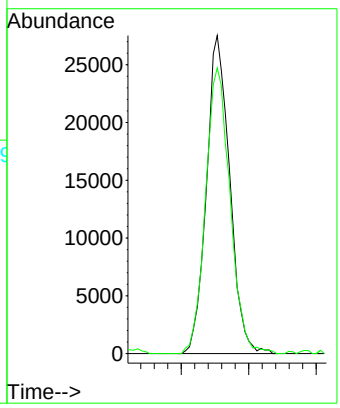
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

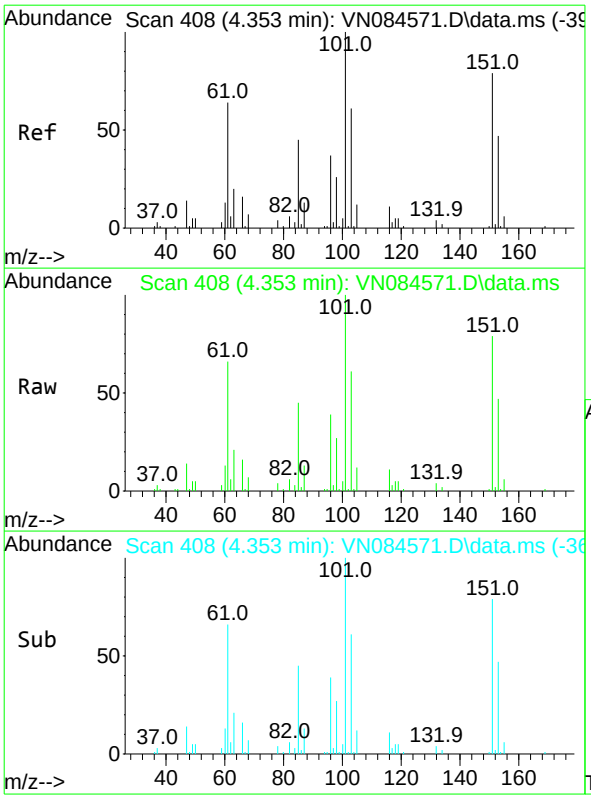


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1

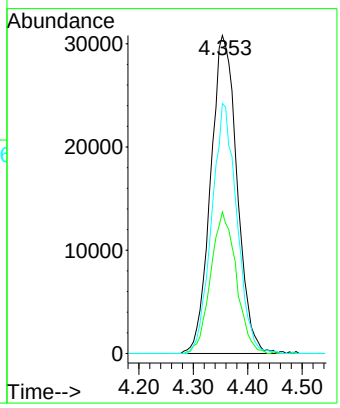




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 103864

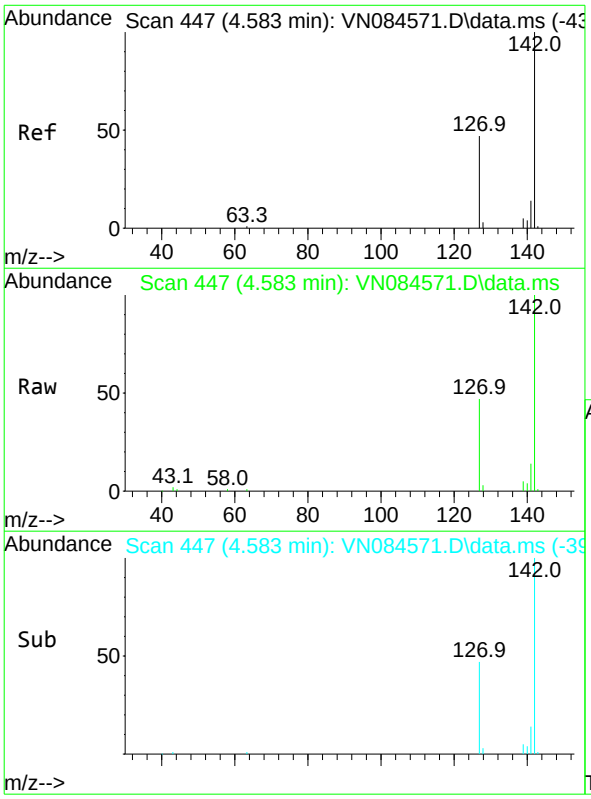
Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

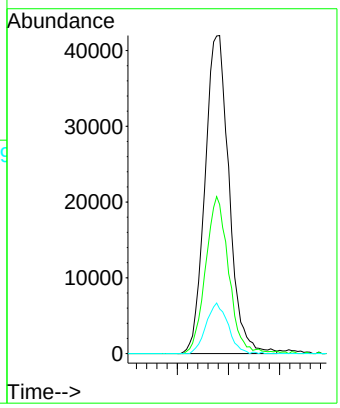
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

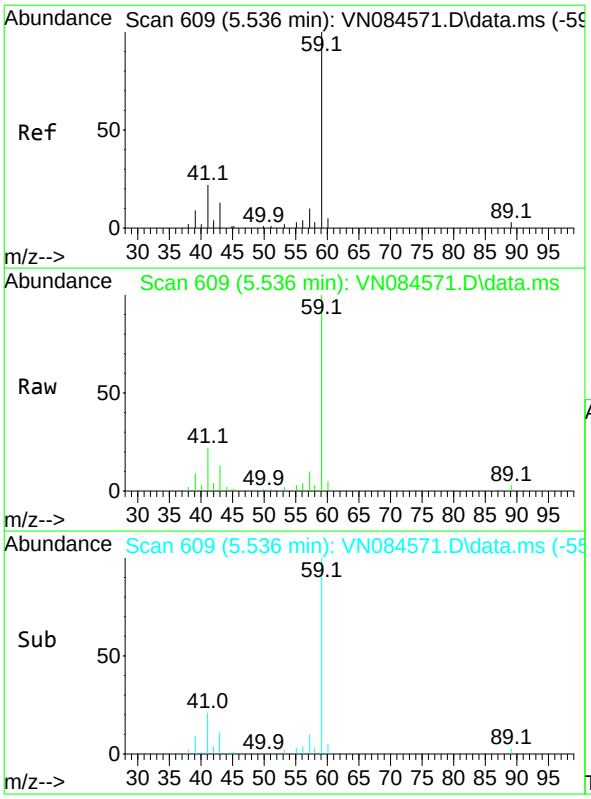


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:142 Resp: 137274

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	14.0	11.0	16.6

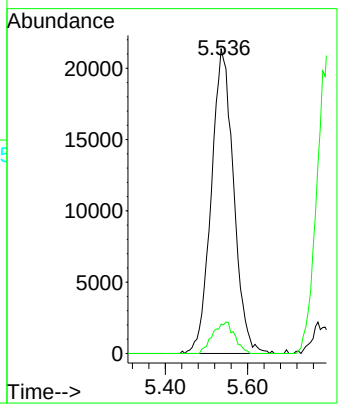




#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 59 Resp: 80598

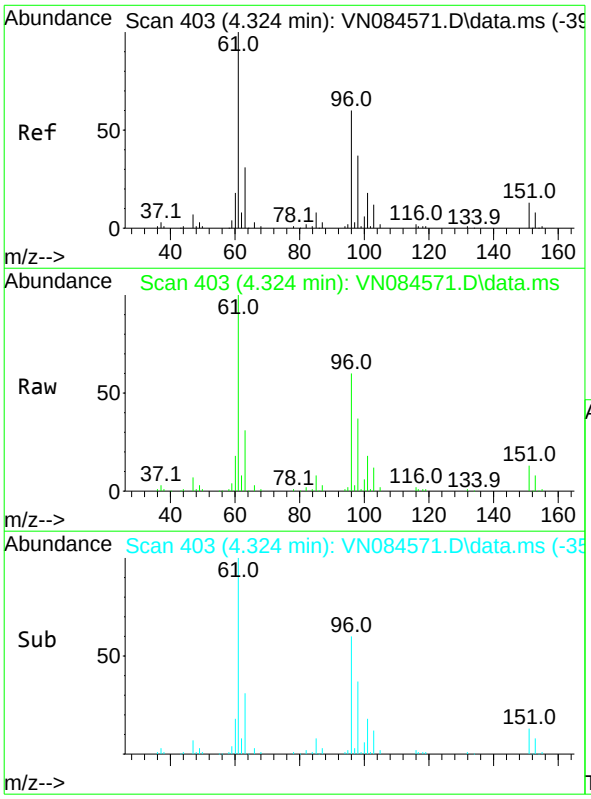
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

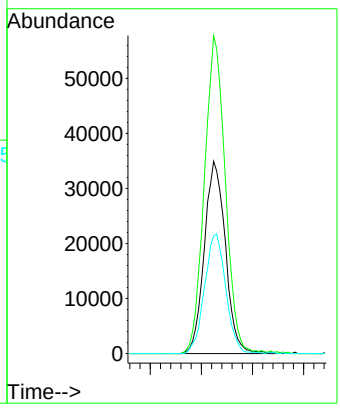
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

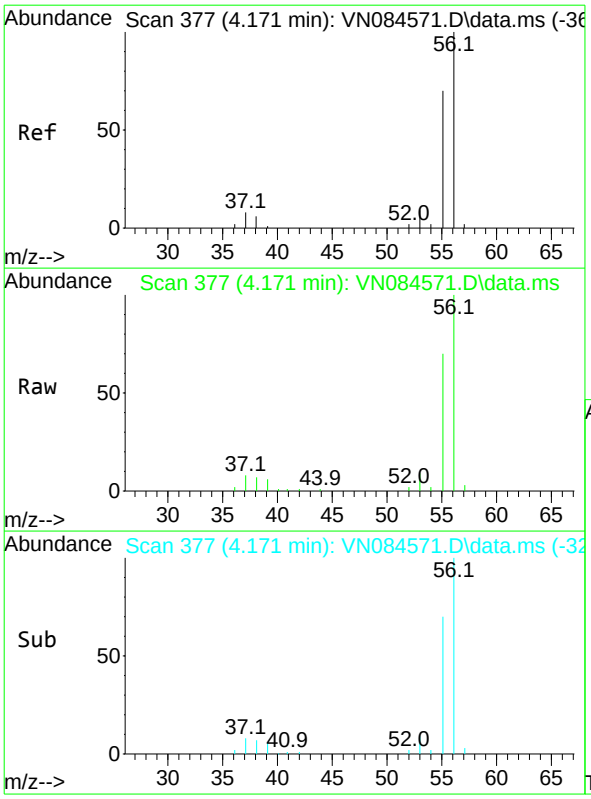


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 100445

Ion	Ratio	Lower	Upper
96	100		
61	165.4	128.6	192.8
98	61.1	51.7	77.5

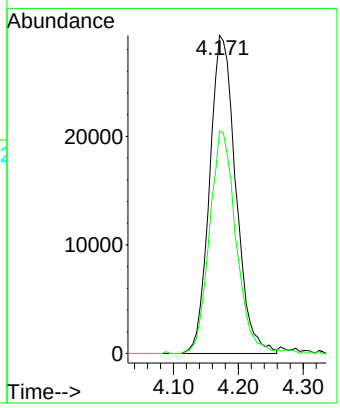




#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 82129

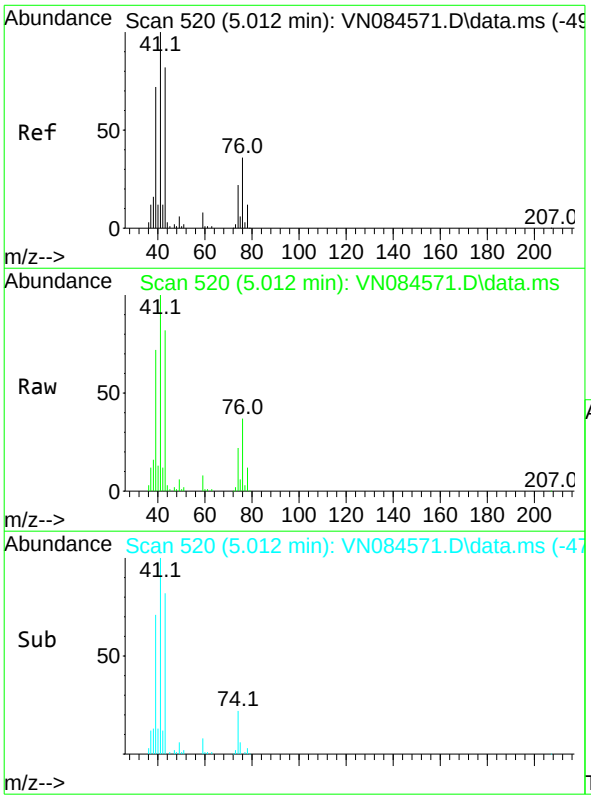
Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

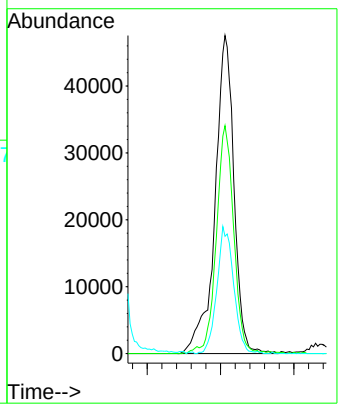
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

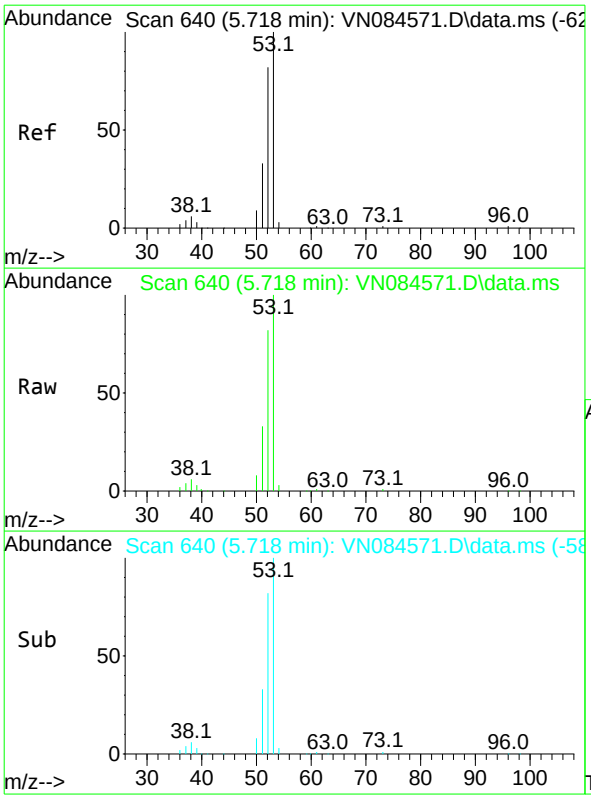


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 171045

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	35.1	29.8	44.6

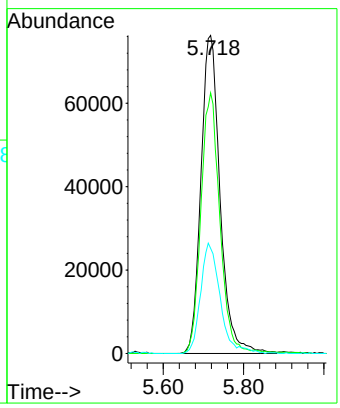




#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 53 Resp: 252853

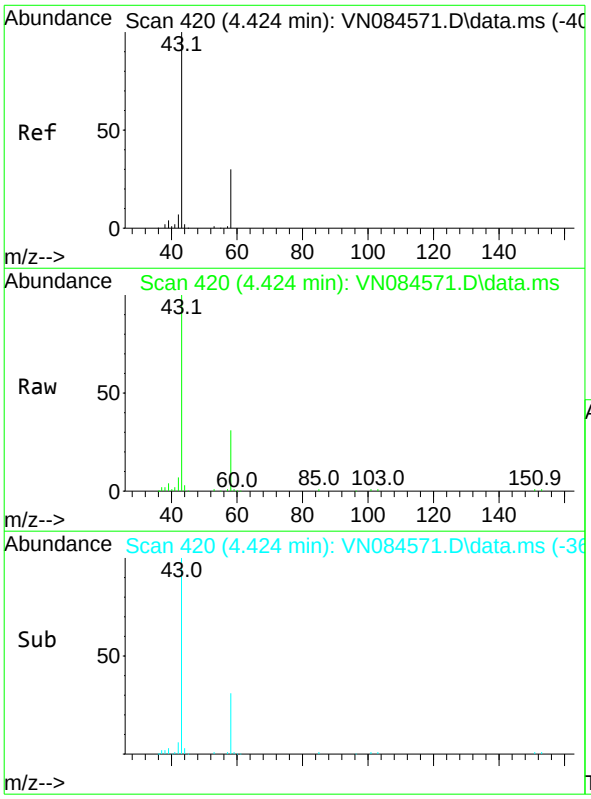
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

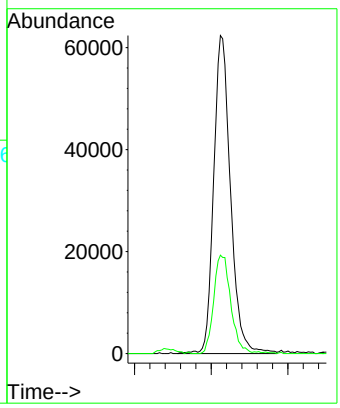
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

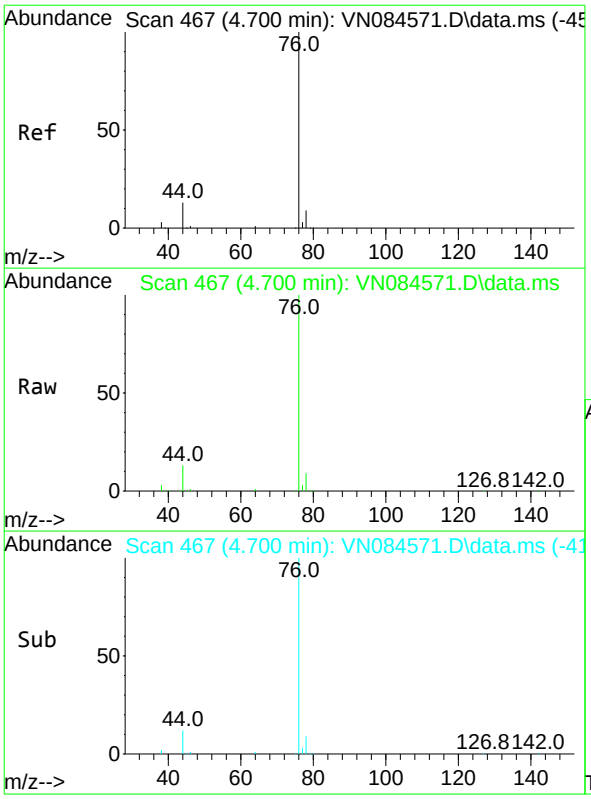


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6

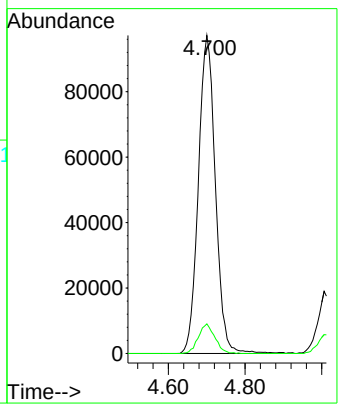




#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 299041

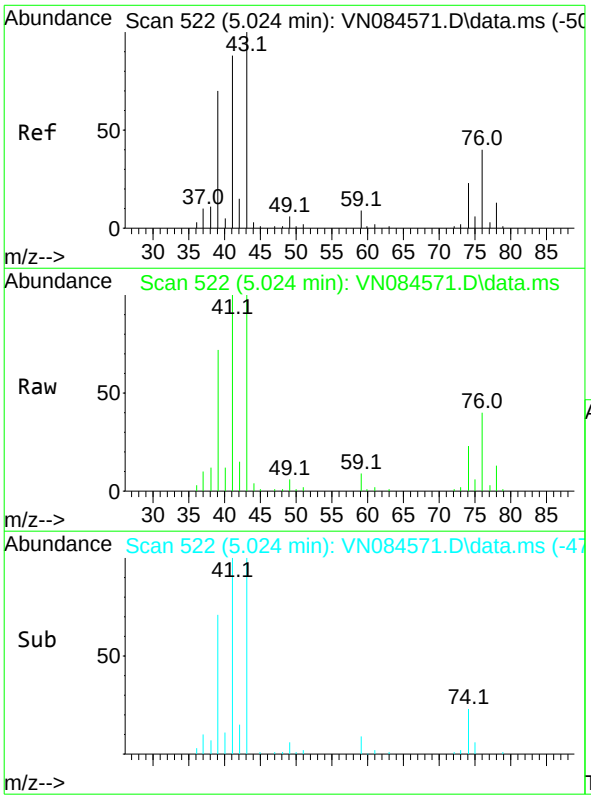
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

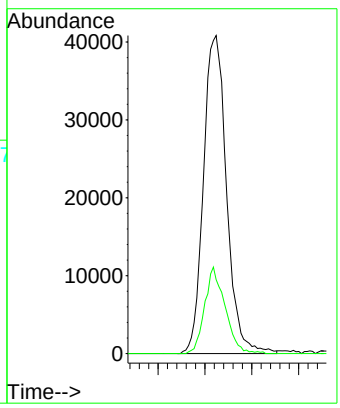
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

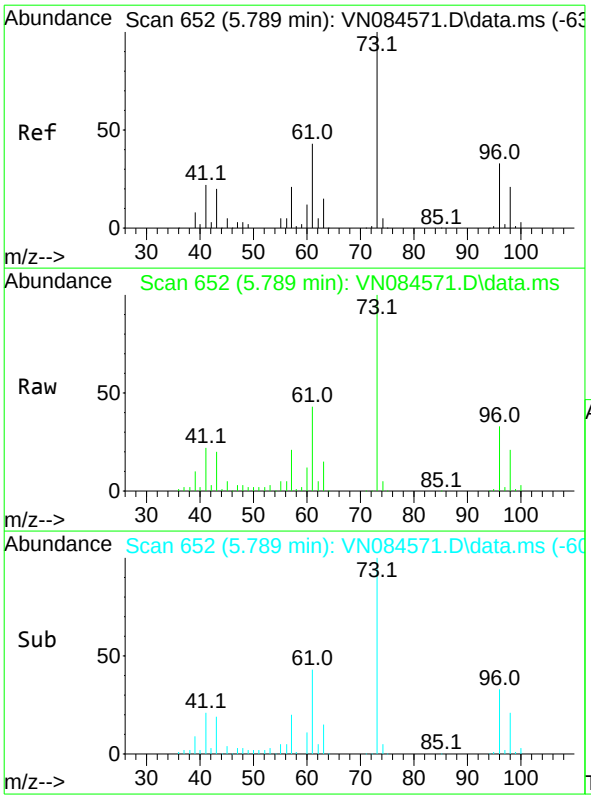


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8

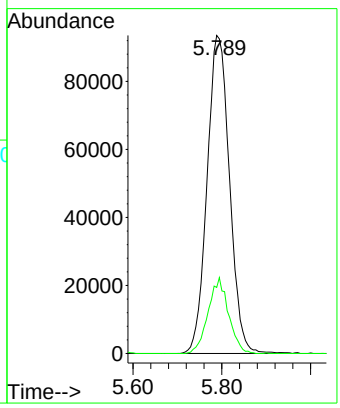




#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 73 Resp: 328099

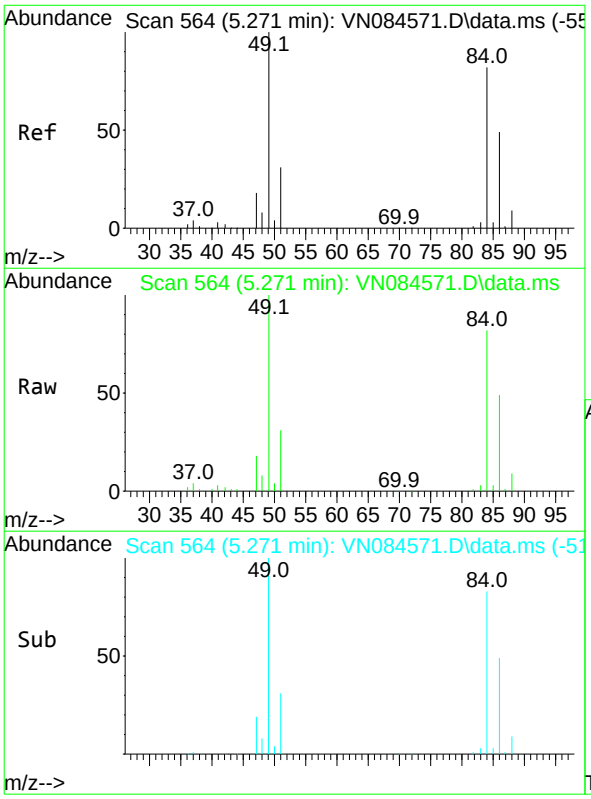
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

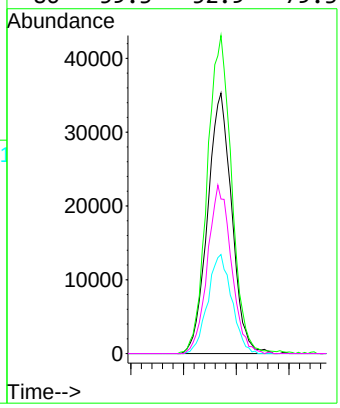
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

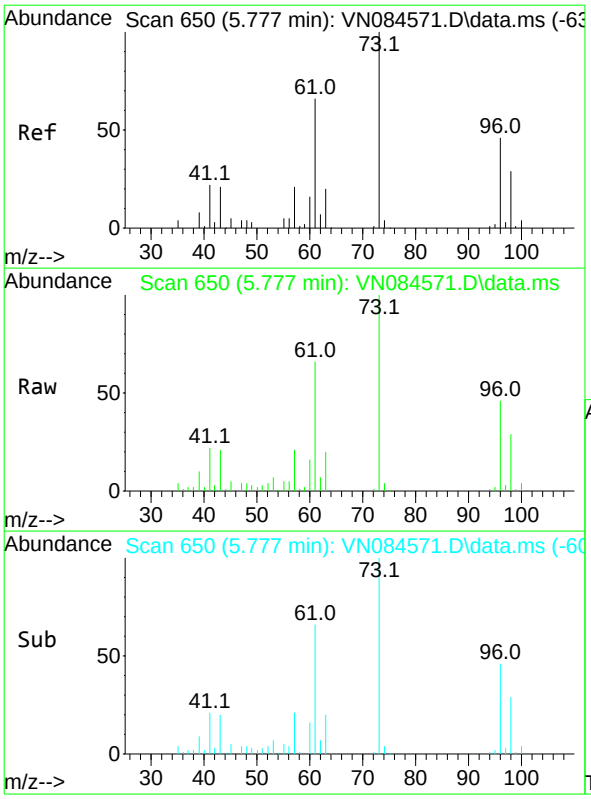


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 84 Resp: 112282

Ion	Ratio	Lower	Upper
84	100		
49	122.1	107.2	160.8
51	38.0	31.8	47.8
86	59.3	52.9	79.3

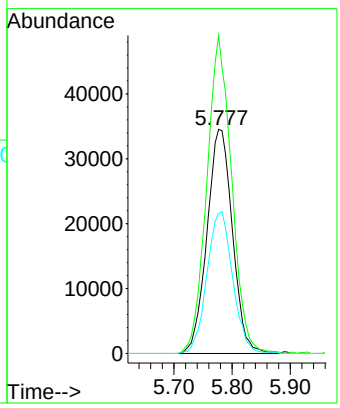




#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 105050

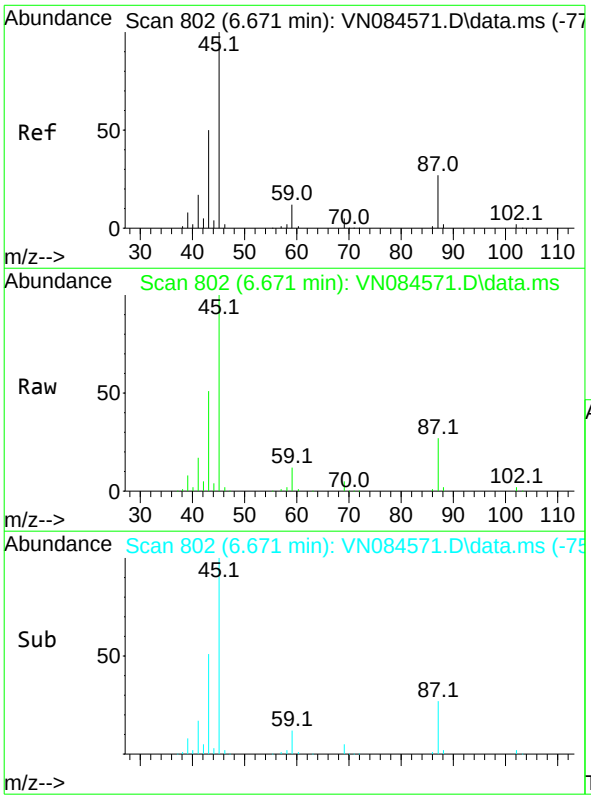
Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	62.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

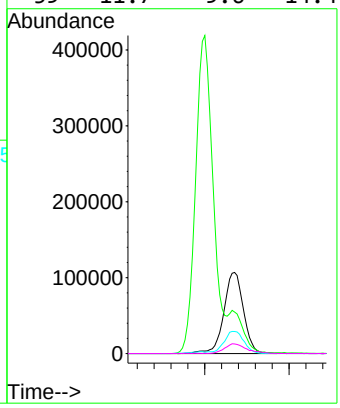
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

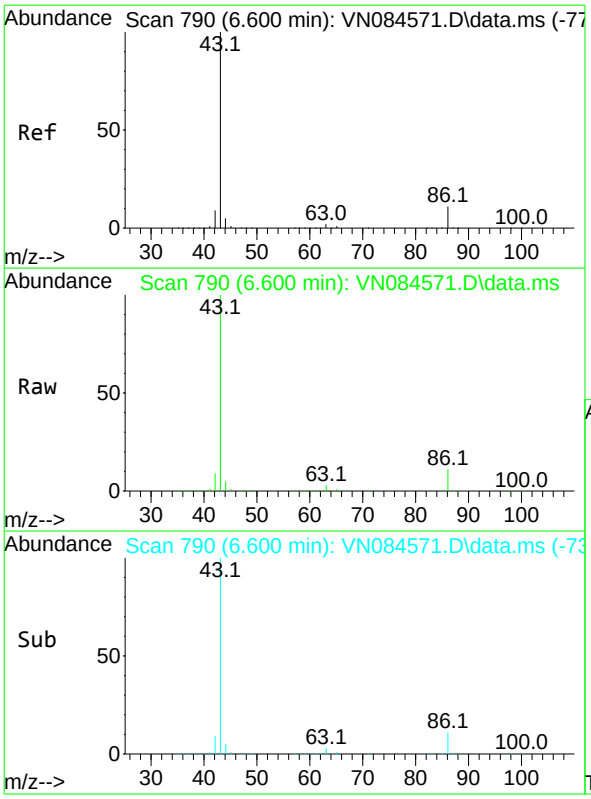


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 45 Resp: 346126

Ion	Ratio	Lower	Upper
45	100		
43	50.3	42.3	63.5
87	27.3	21.8	32.6
59	11.7	9.6	14.4

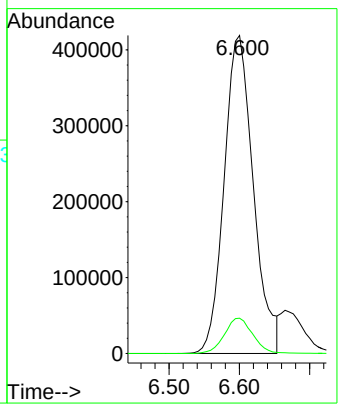




#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 1212022

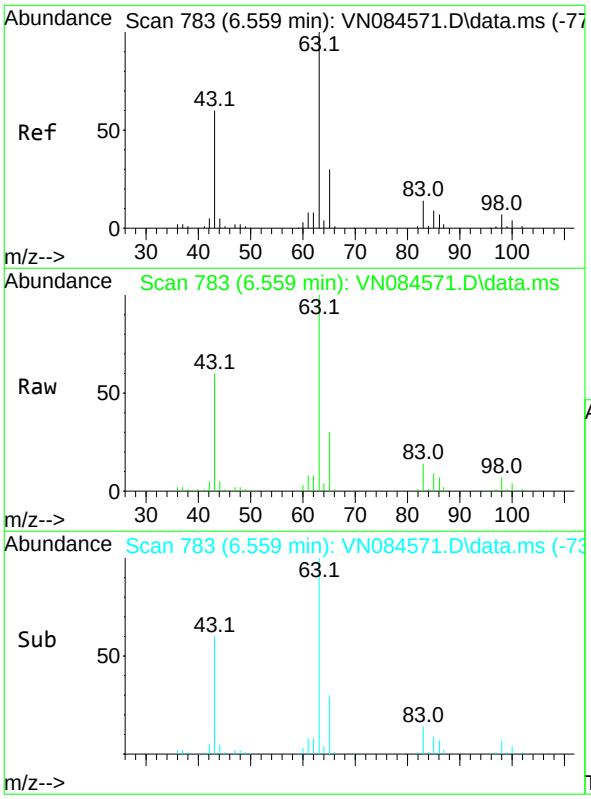
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

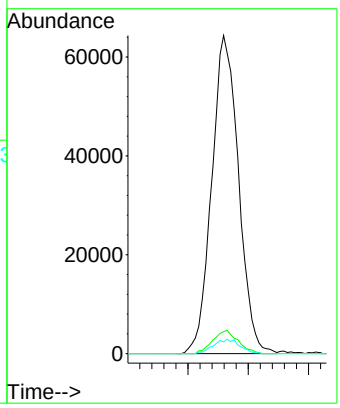
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

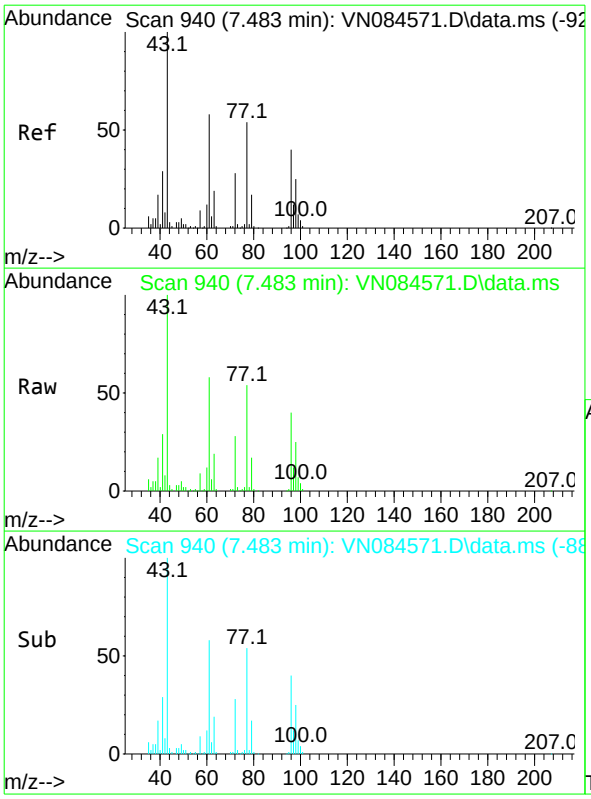


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 198817

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	3.7	2.0	5.8

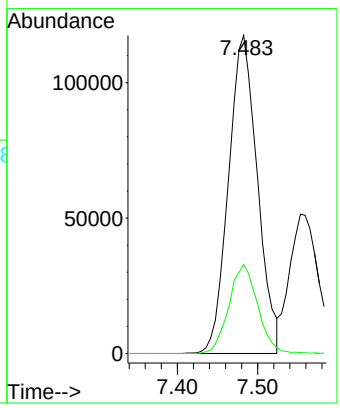




#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 294207

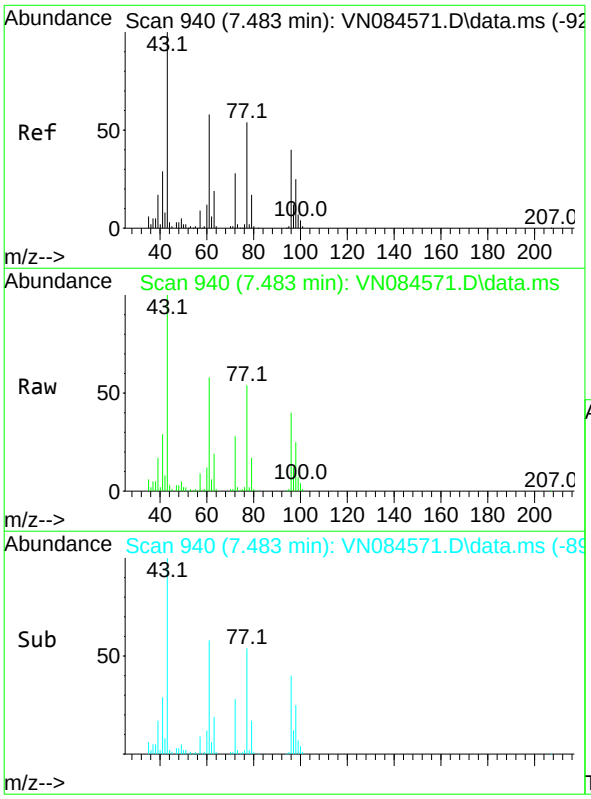
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

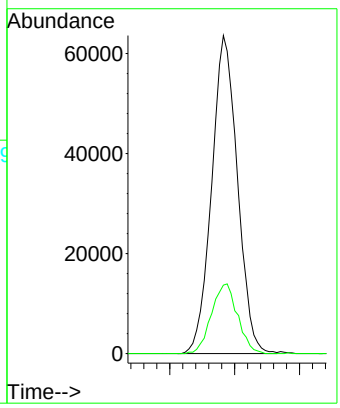
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

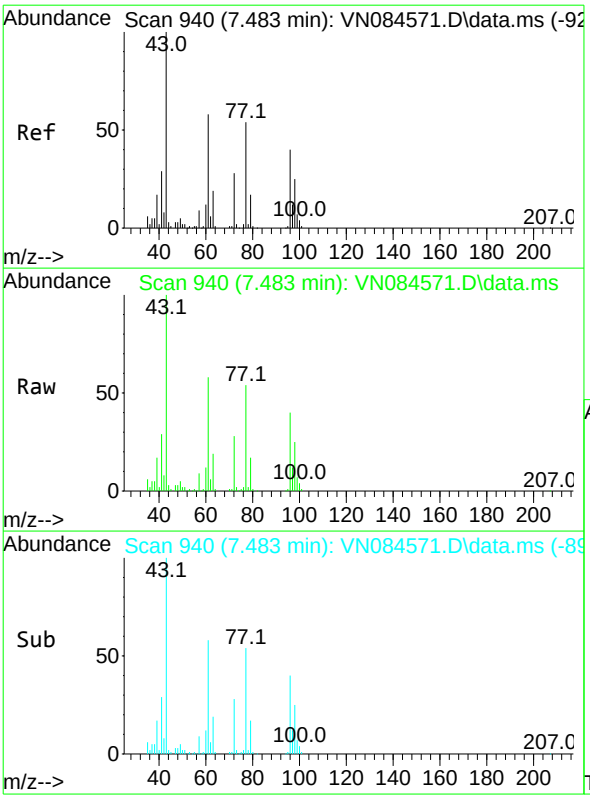


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

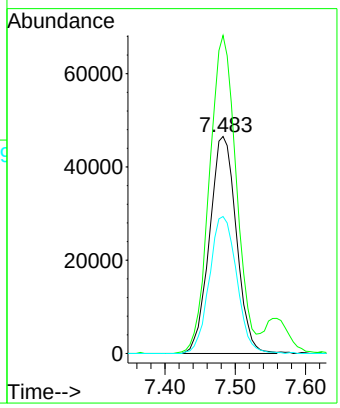




#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 123436

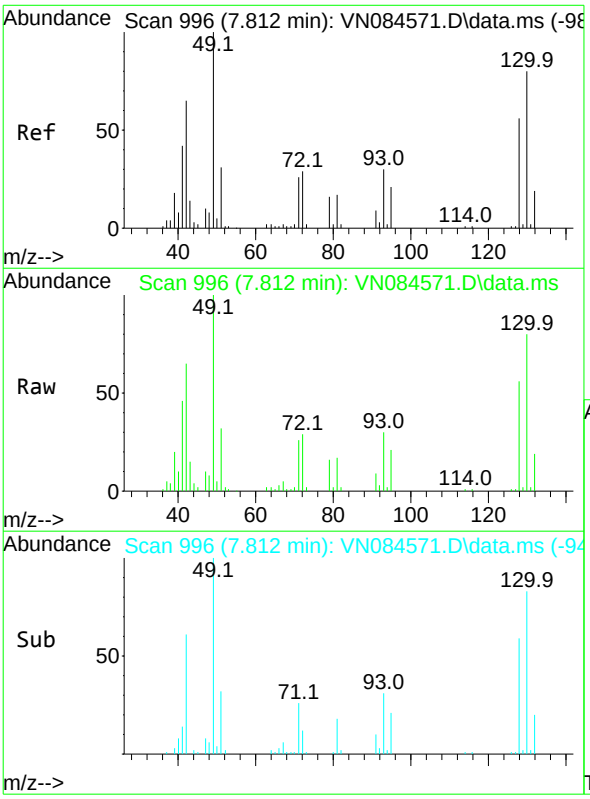
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	301.8
98	64.3	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

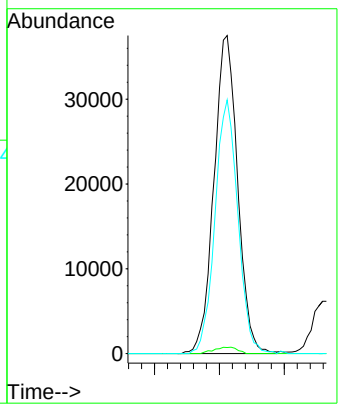
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

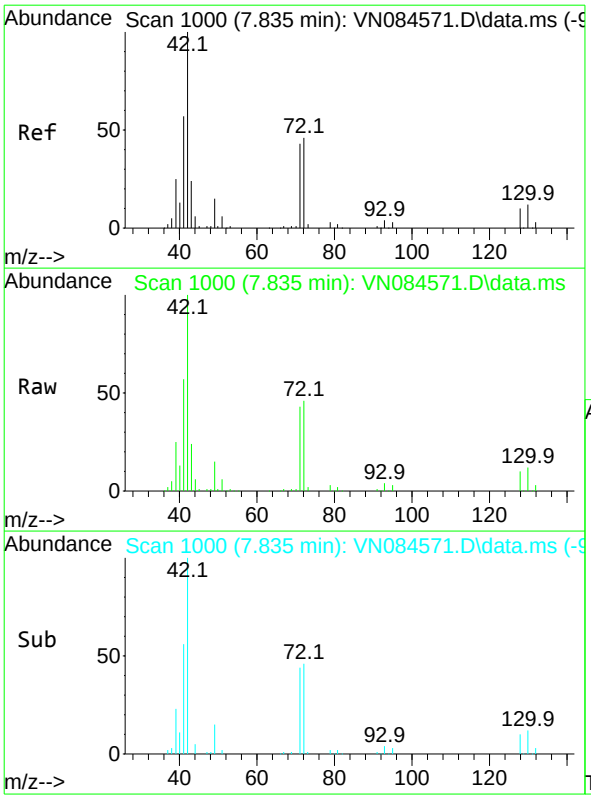


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 49 Resp: 95269

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	76.9	58.0	87.0

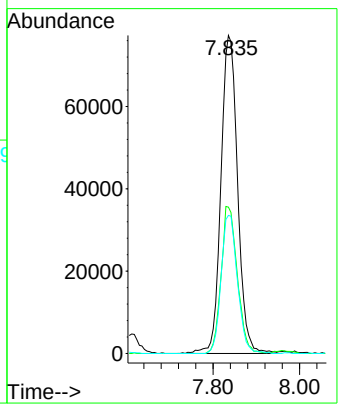




#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 42 Resp: 206980

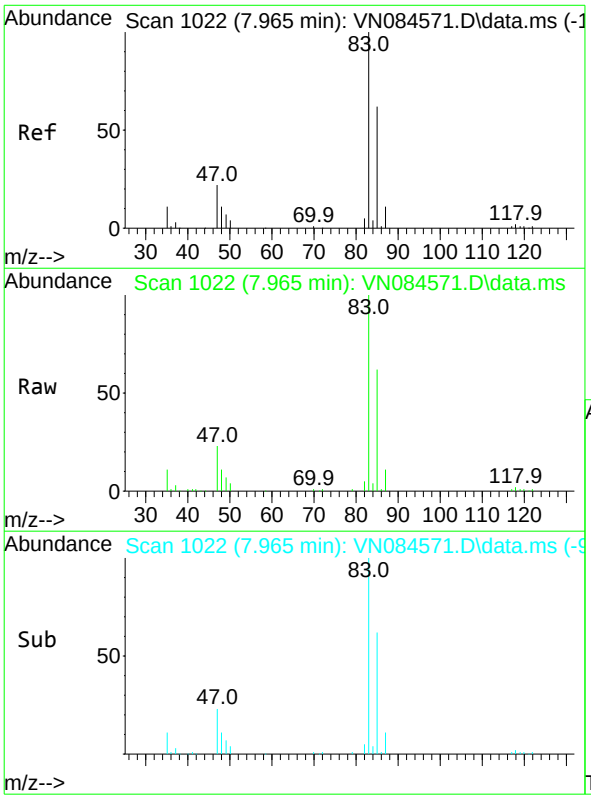
Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

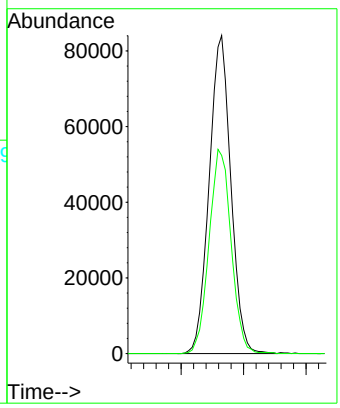
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

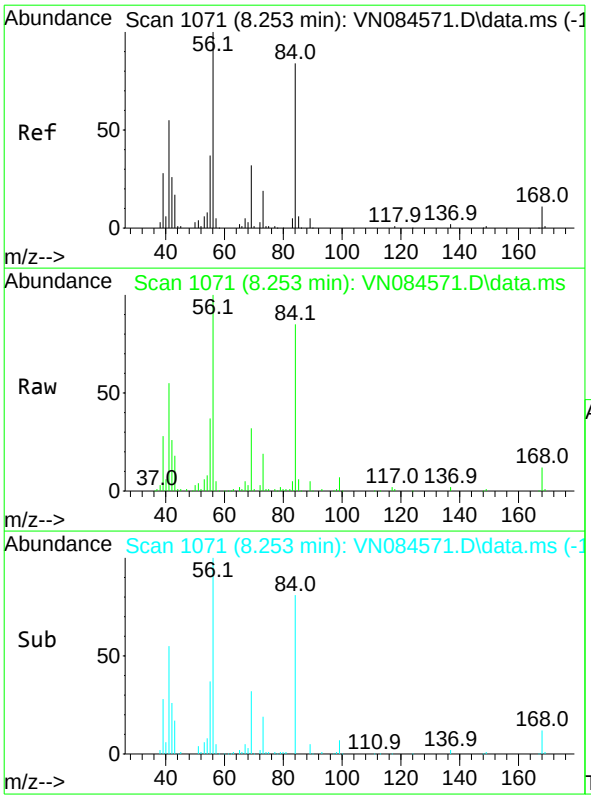


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4

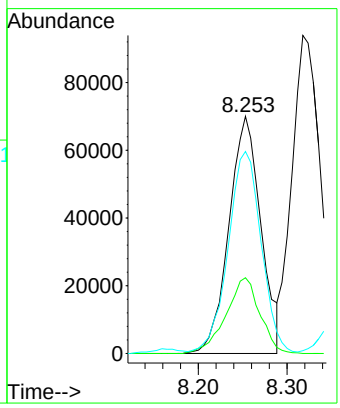




#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 175038

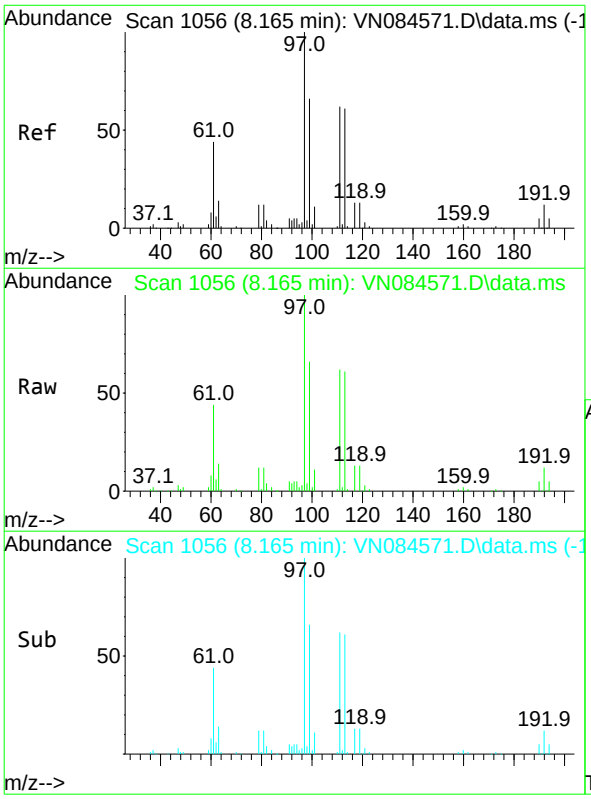
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	83.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

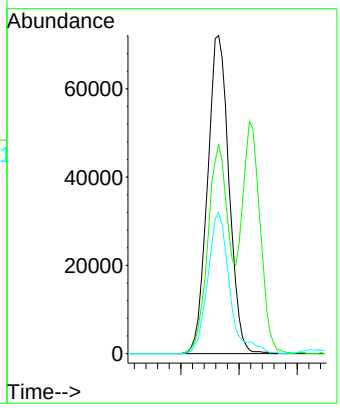
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

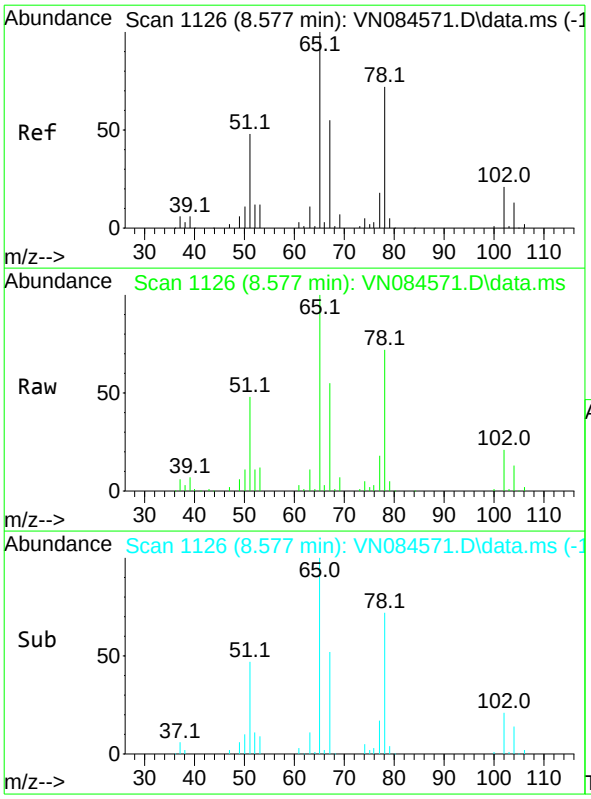


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 184986

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	45.2	37.5	56.3

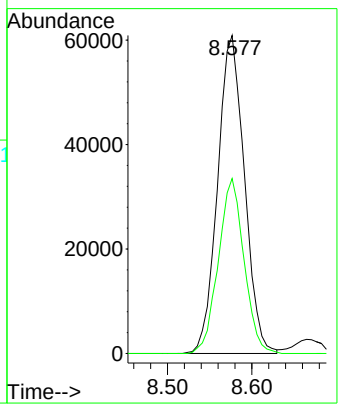




#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 65 Resp: 134521

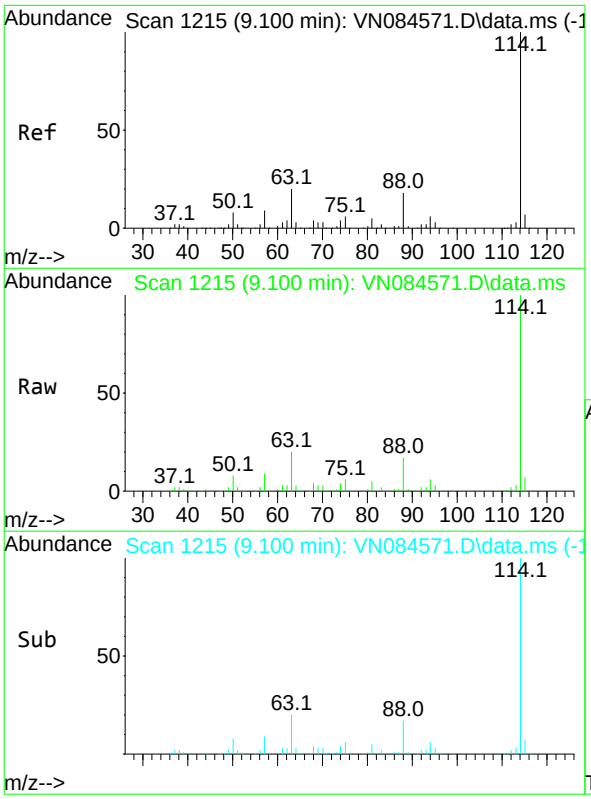
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

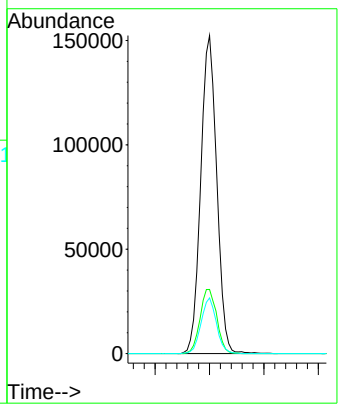
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

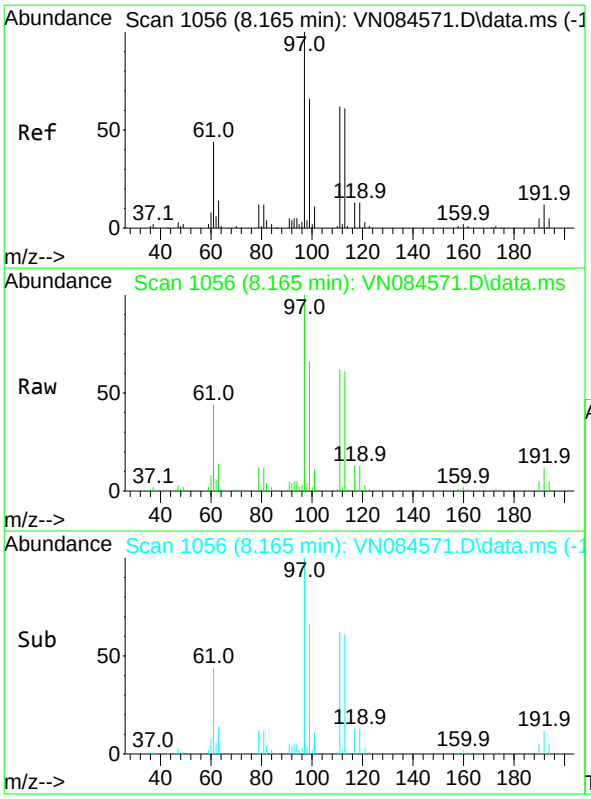


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:114 Resp: 311554

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.5	0.0	31.6

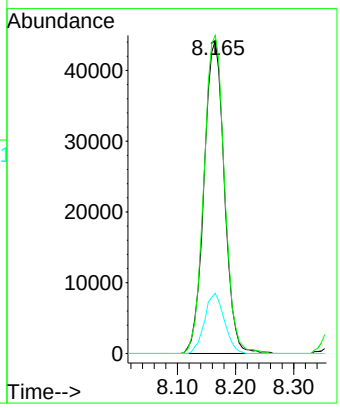




#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:113 Resp: 107131

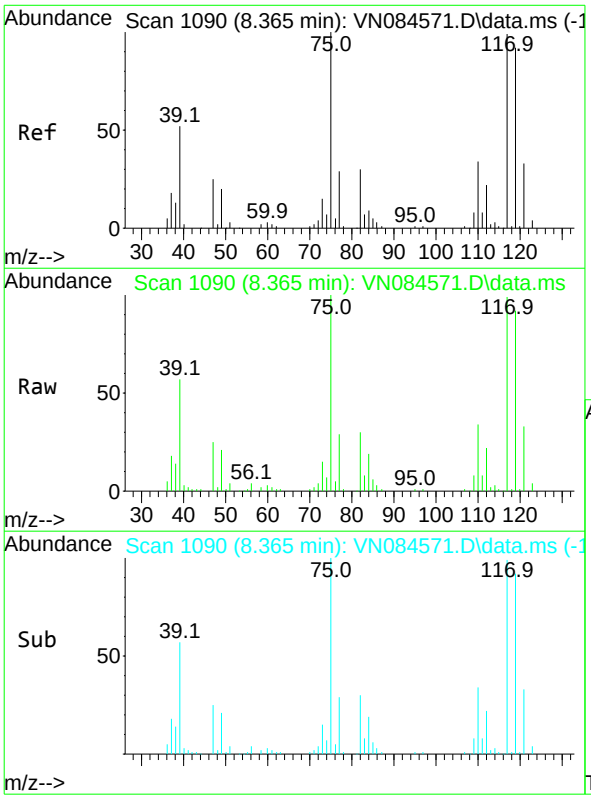
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

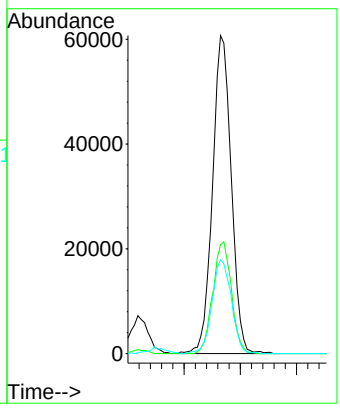
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

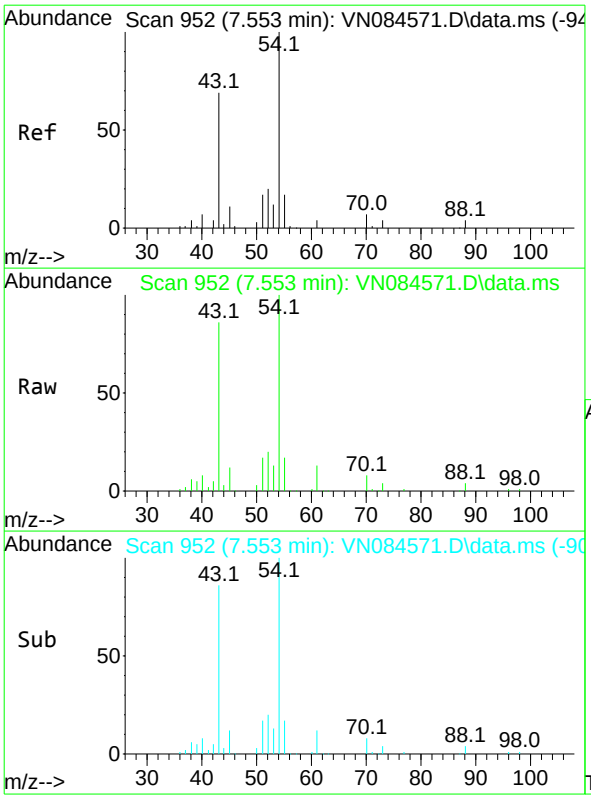


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 140593

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1





#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

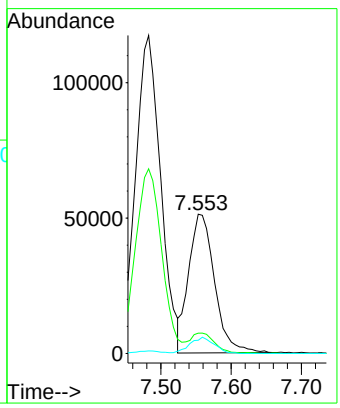
Tgt Ion: 43 Resp: 131332

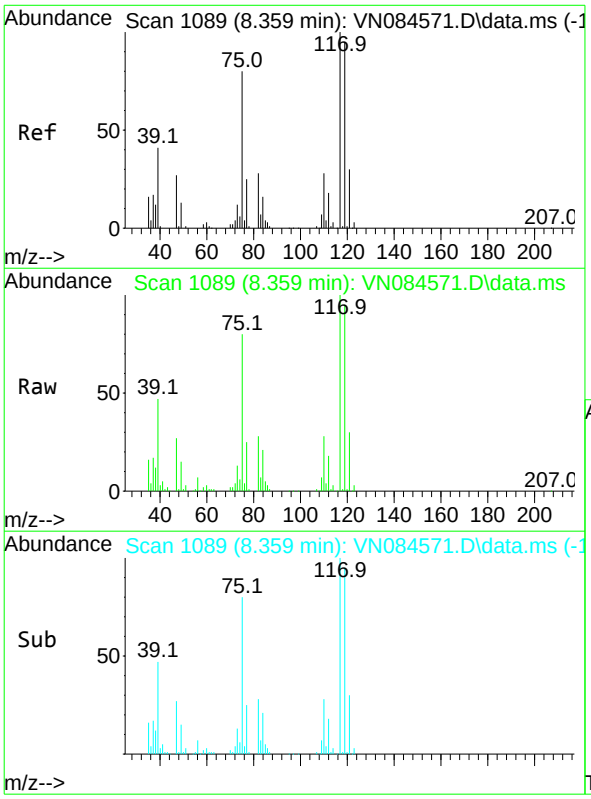
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

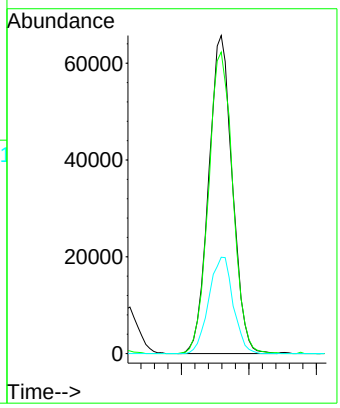


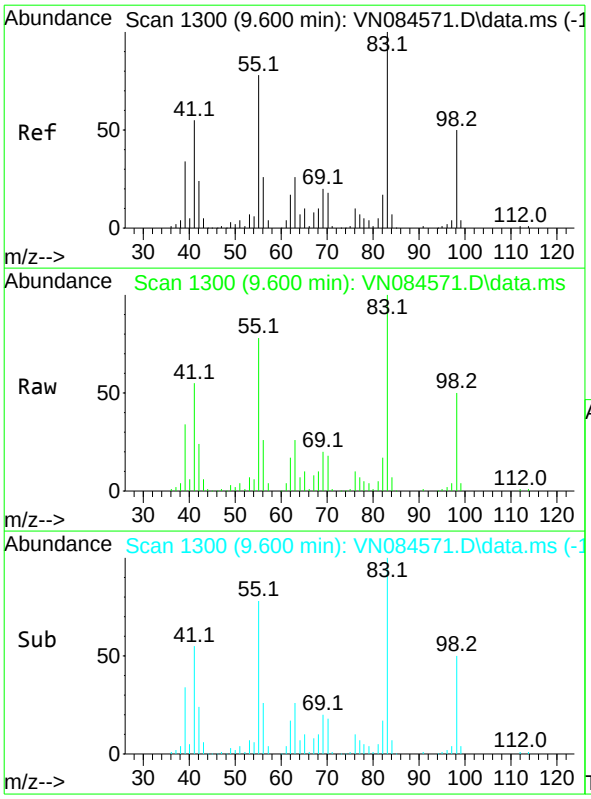


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 160134

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.7	118.1
121	30.3	24.4	36.6

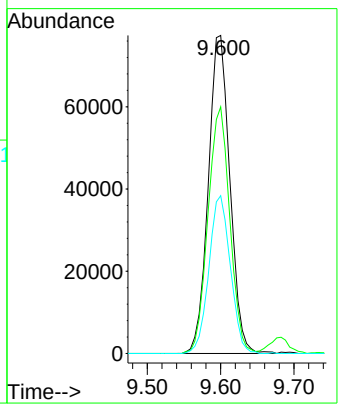




#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 158489

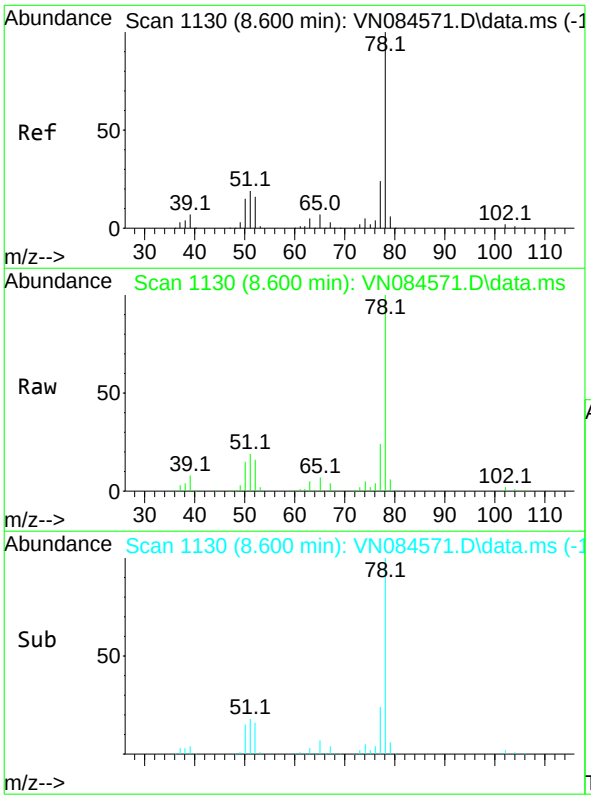
Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	49.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

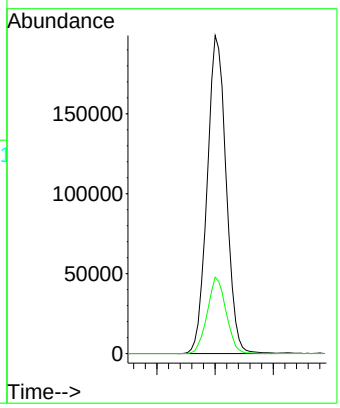
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

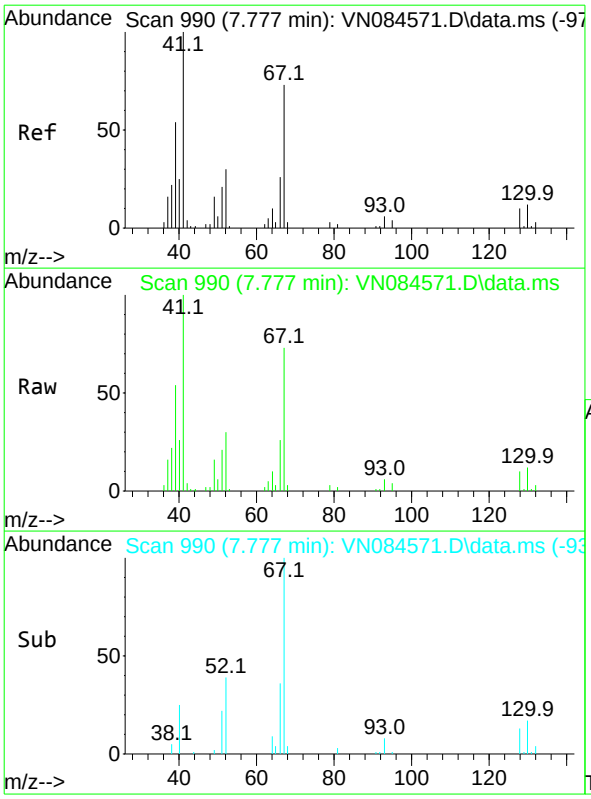


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7

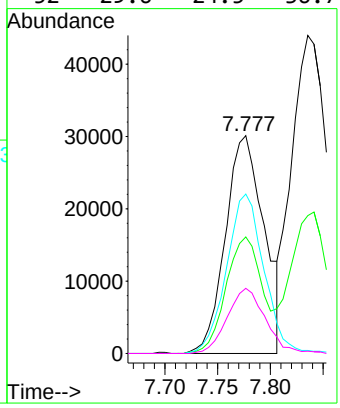




#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 76791

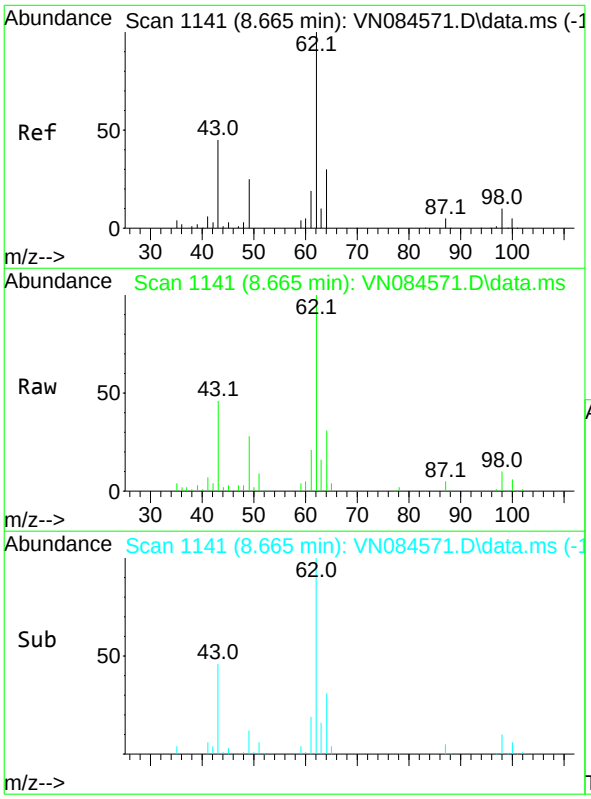
Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.3	64.9
67	71.0	56.1	84.1
52	29.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

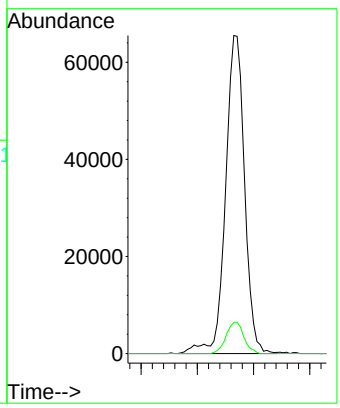
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

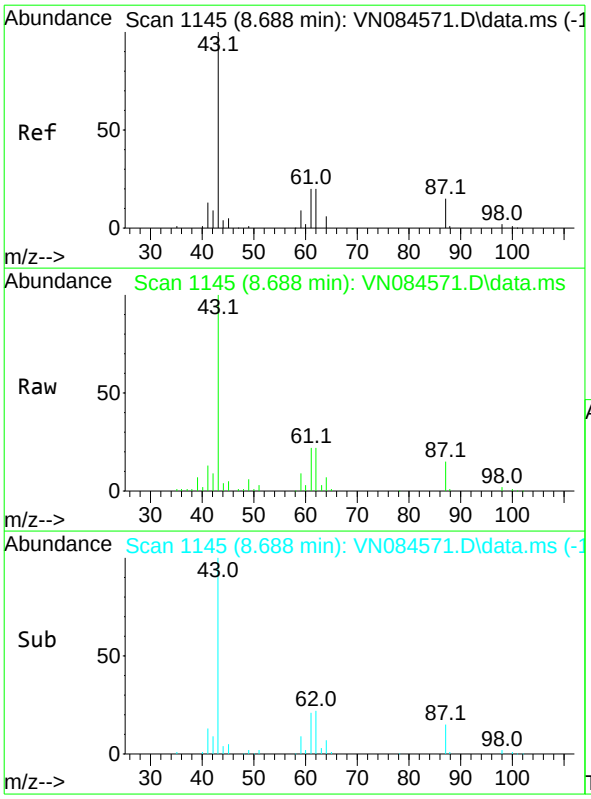


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

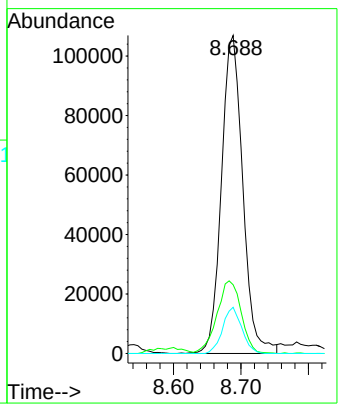




#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 235517

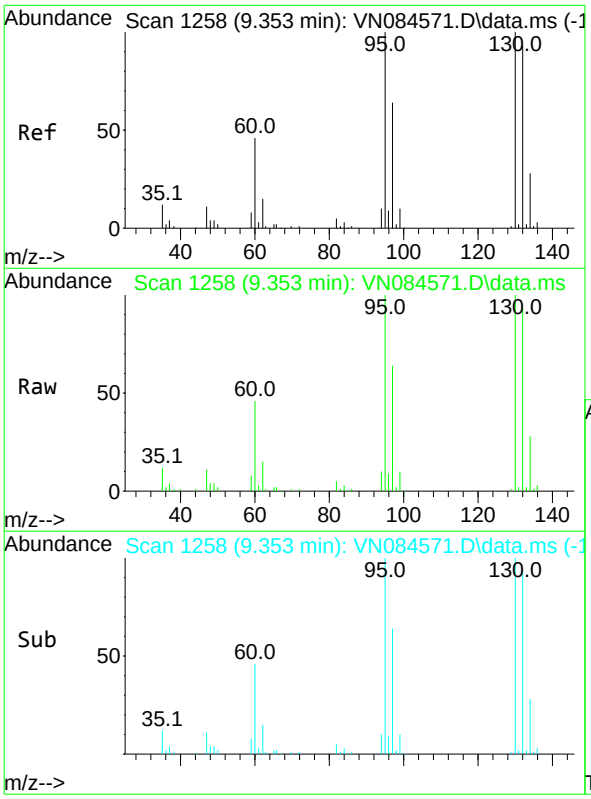
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

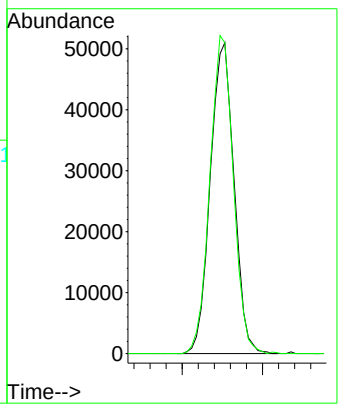
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

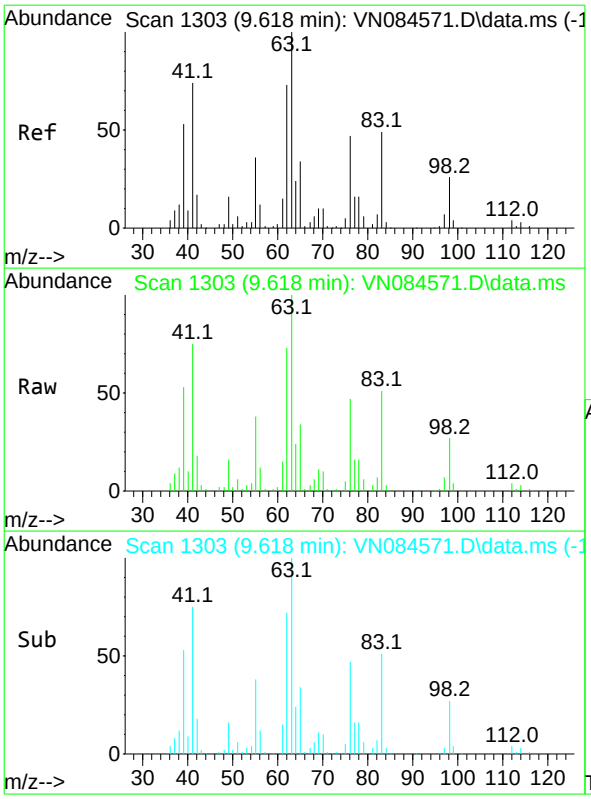


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0

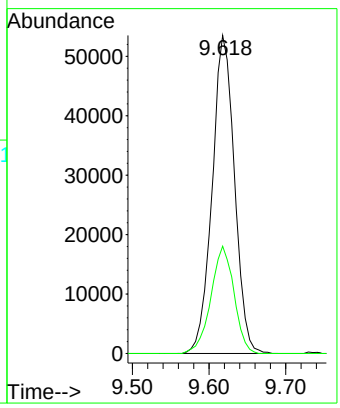




#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 108302

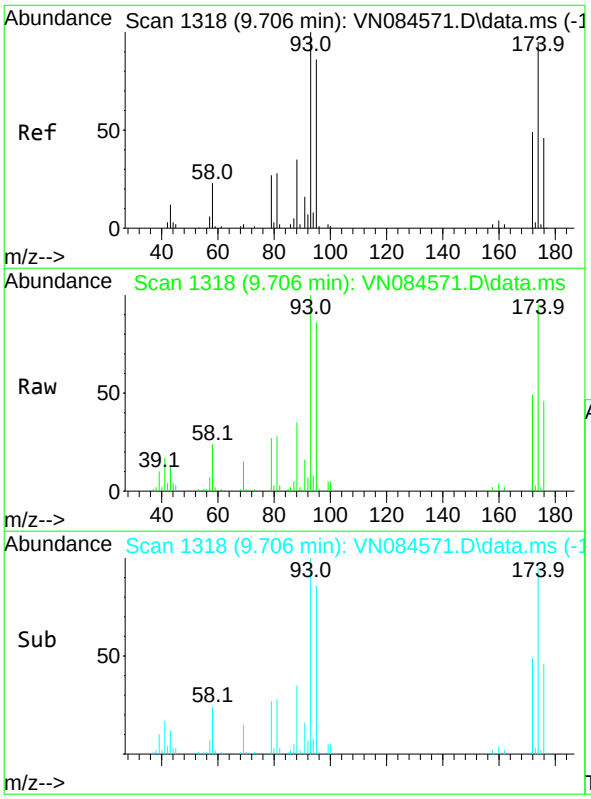
Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

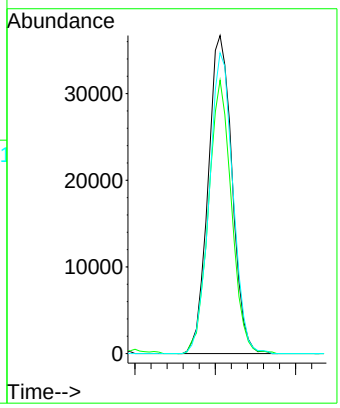
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

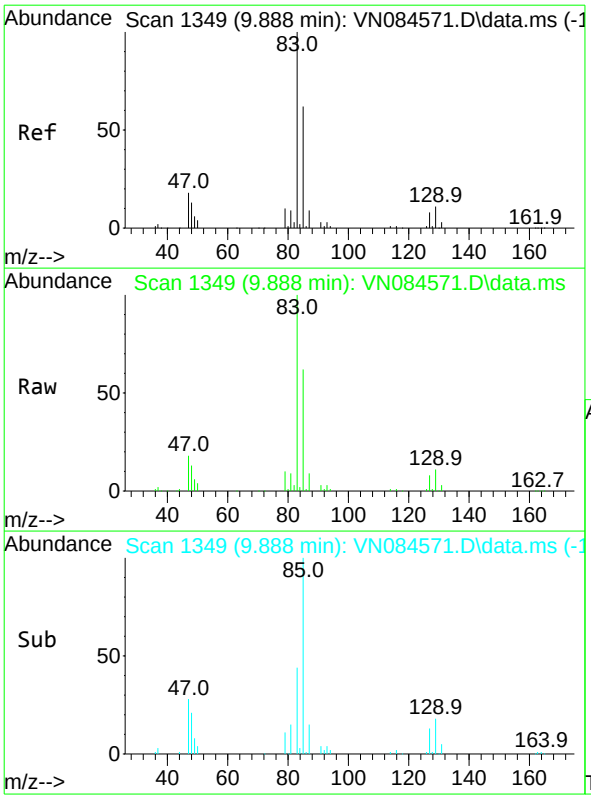


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 93 Resp: 76019

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	93.3	71.8	107.8

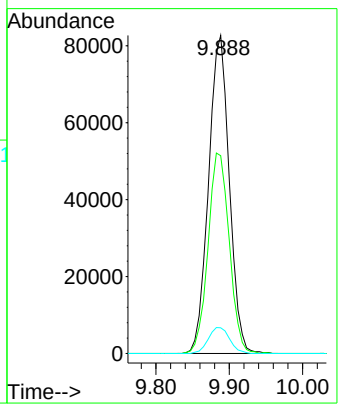




#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 162307

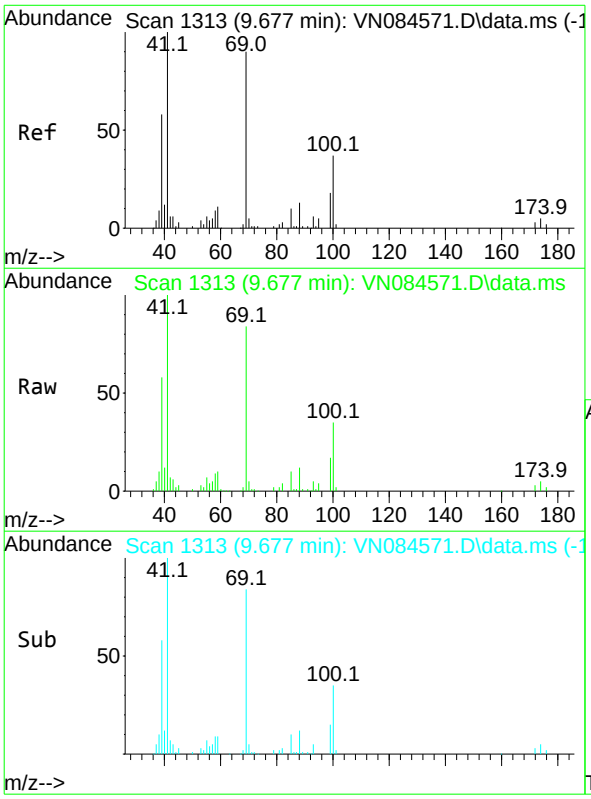
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	8.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

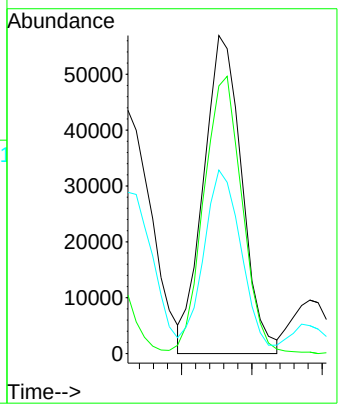
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

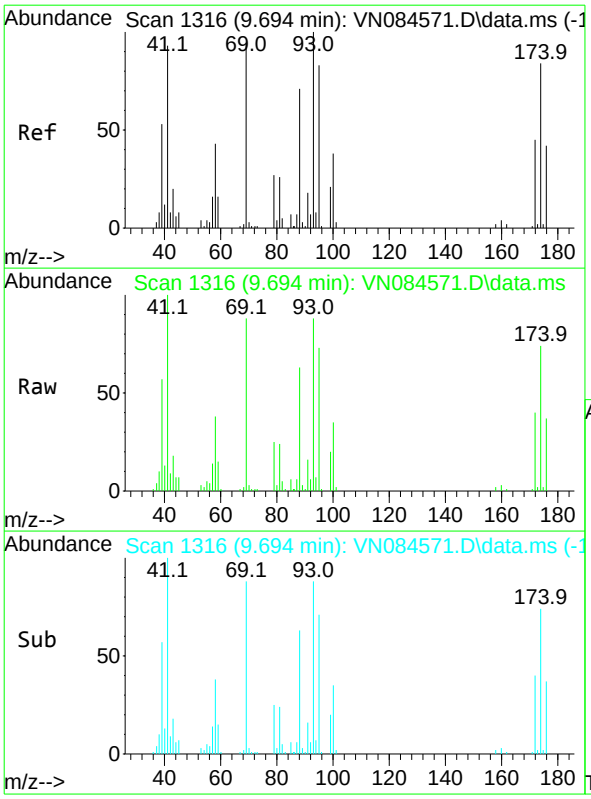


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 107828

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.1	100.7
39	57.5	45.8	68.6

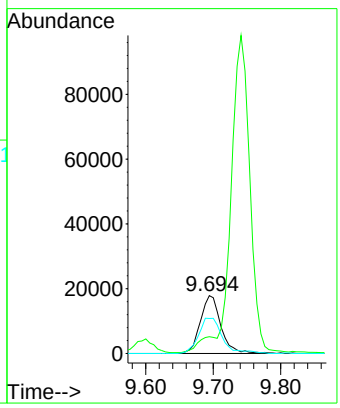




#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 88 Resp: 37719

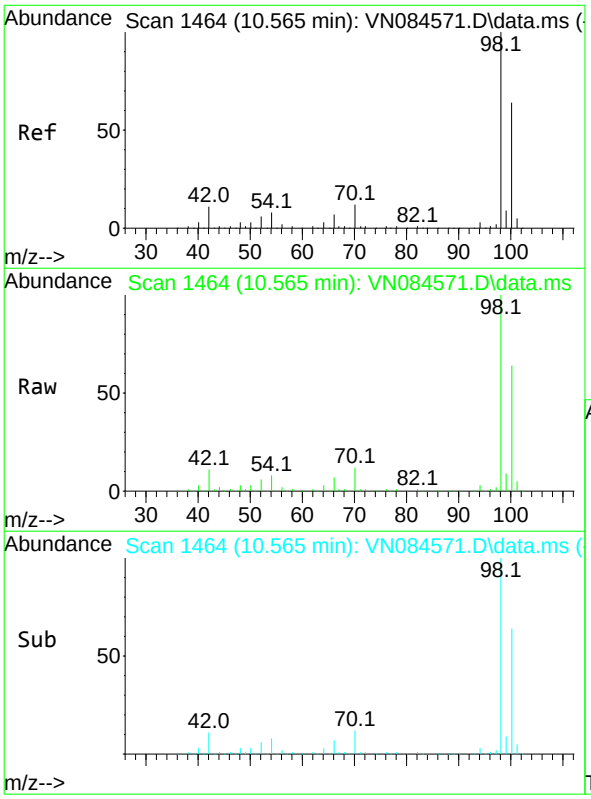
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

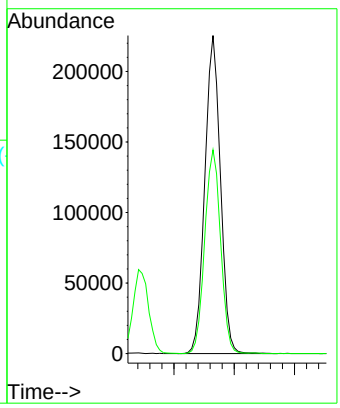
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

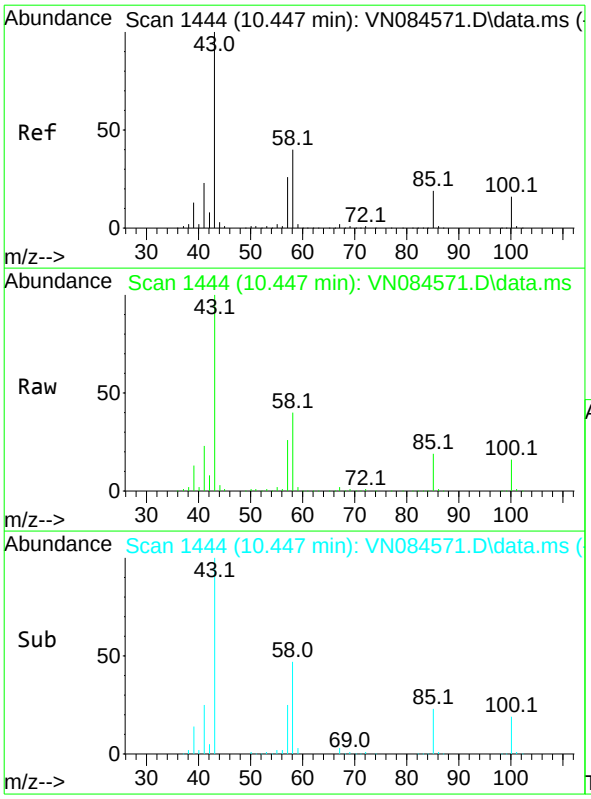


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

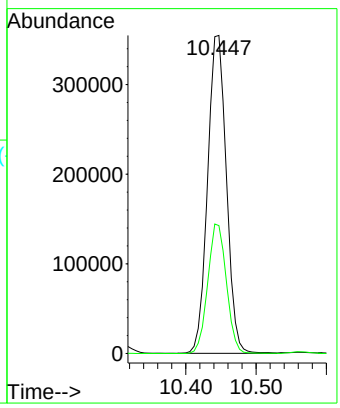




#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 658351

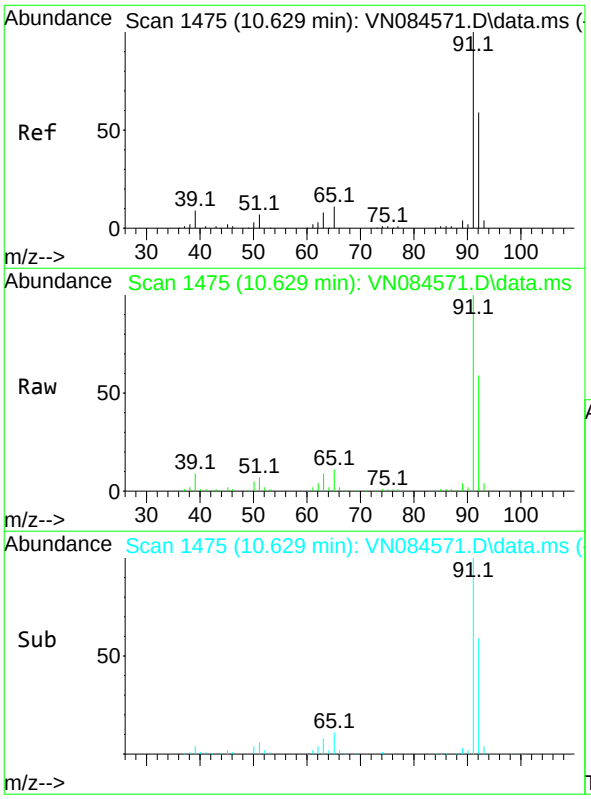
Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

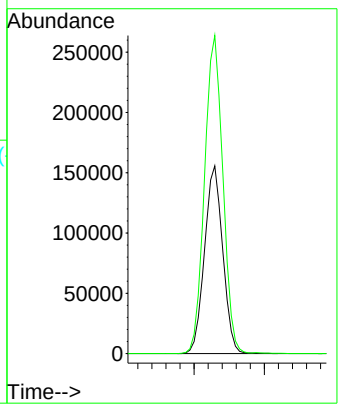
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

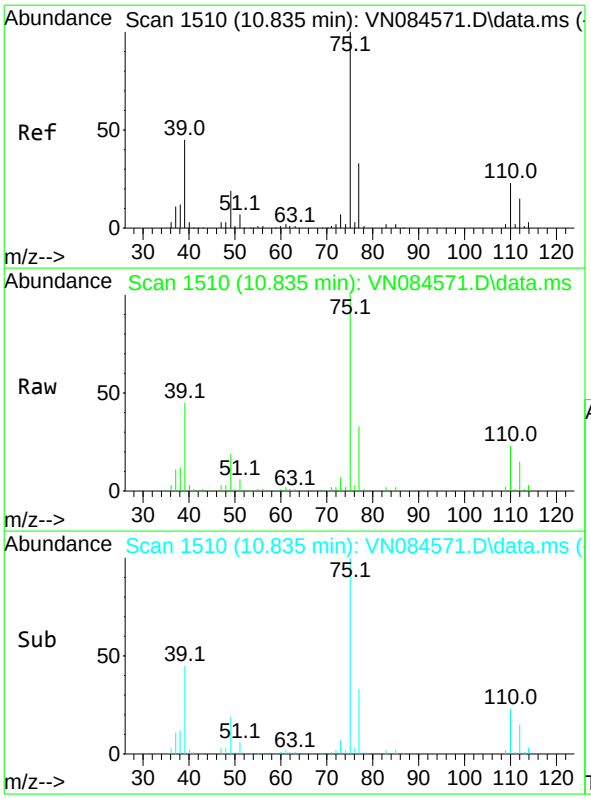


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9





#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

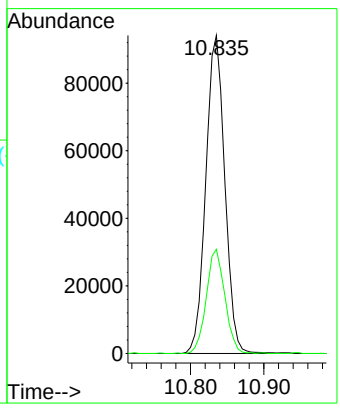
Tgt Ion: 75 Resp: 169085

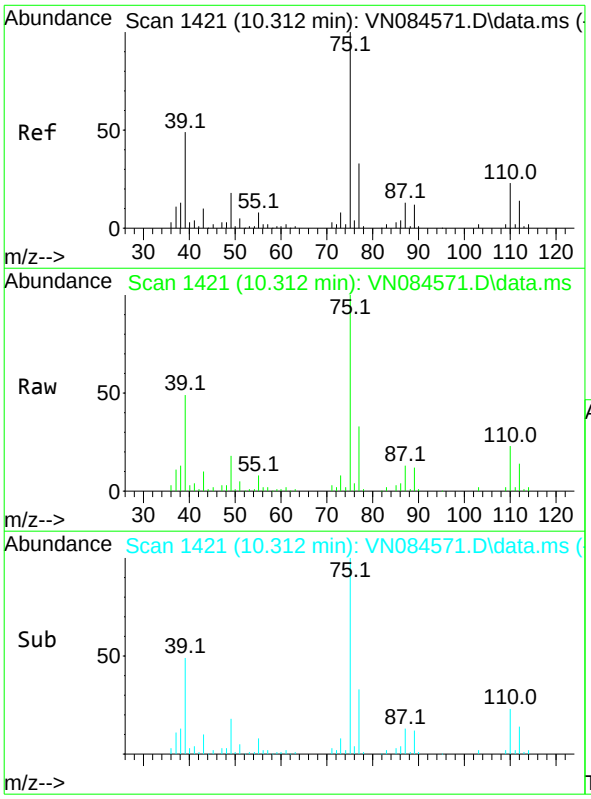
Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

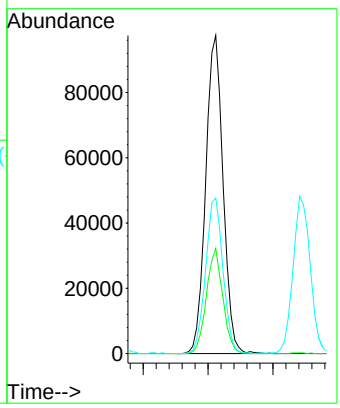


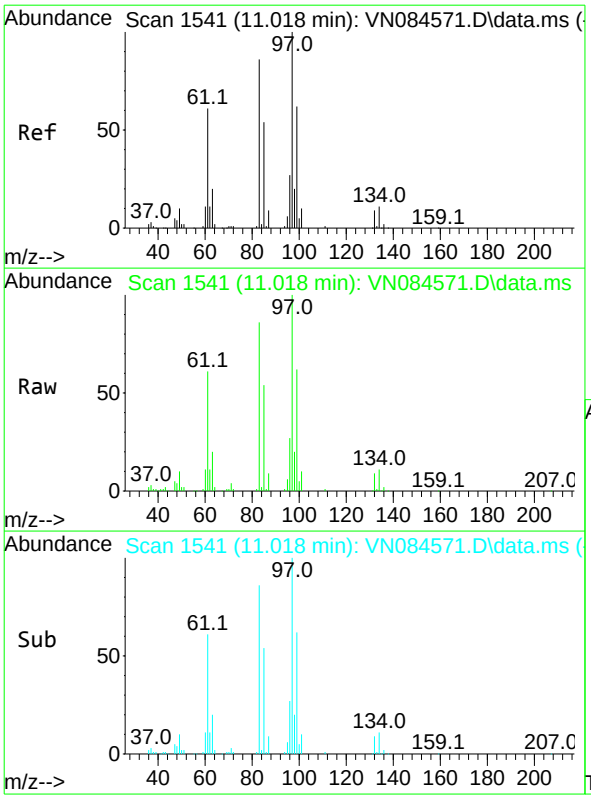


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 180909

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	48.9	38.7	58.1

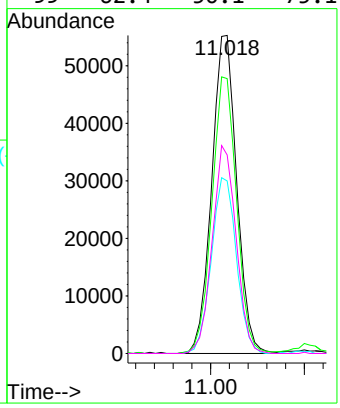




#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 102401

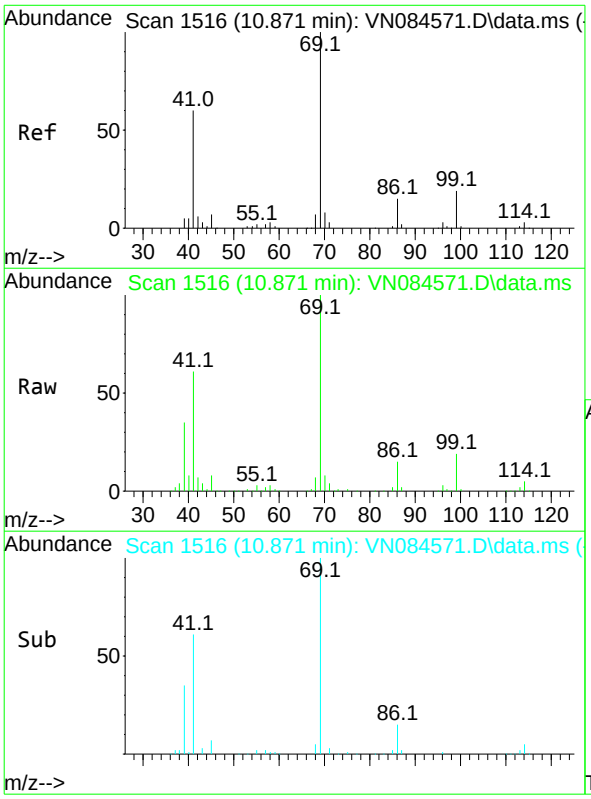
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	54.2	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

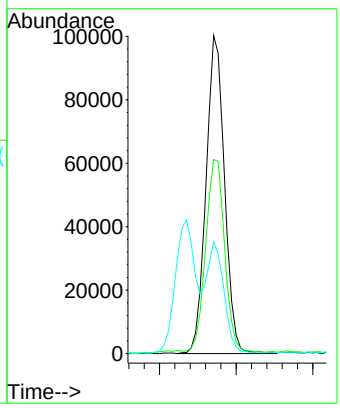
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

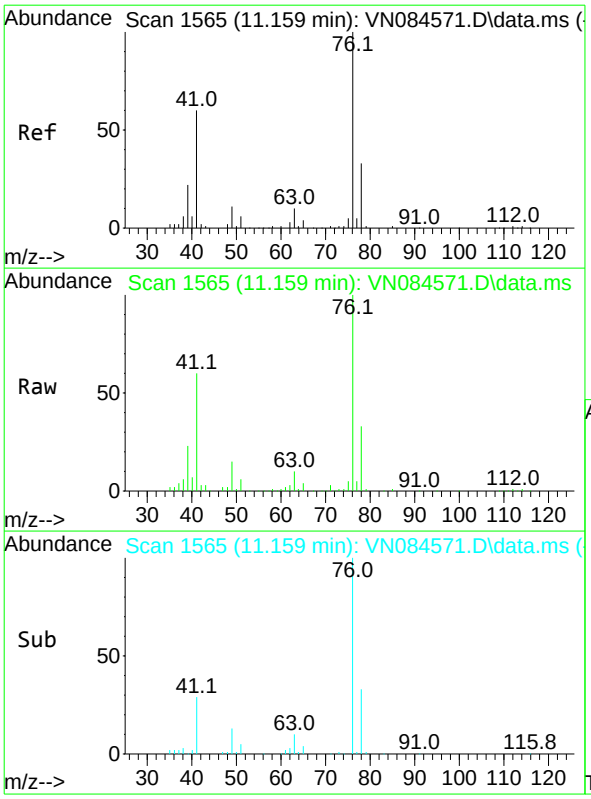


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 69 Resp: 168060

Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.3	79.9
39	33.4	28.8	43.2

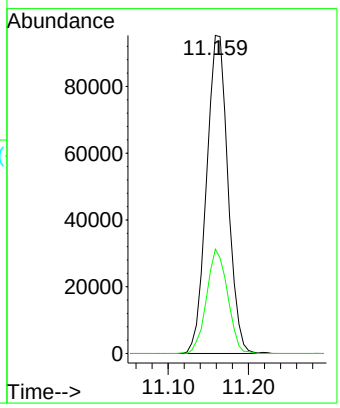




#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 175929

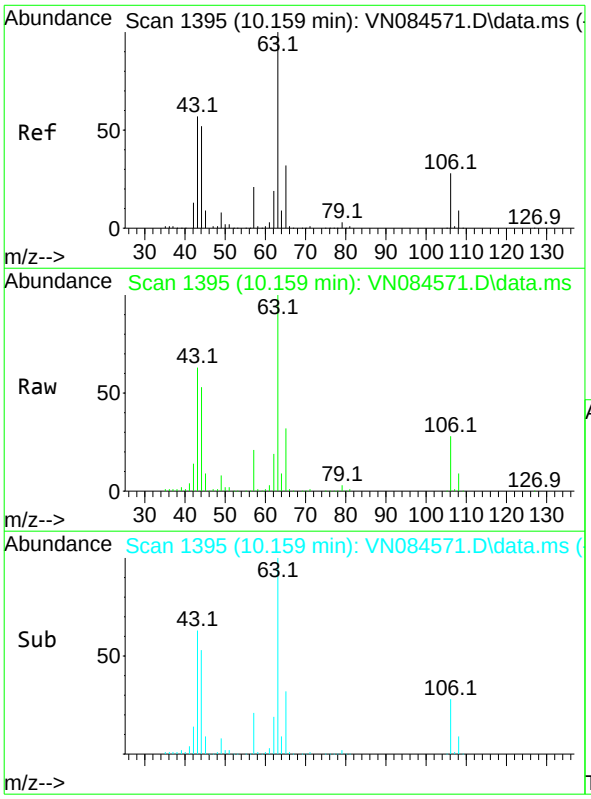
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

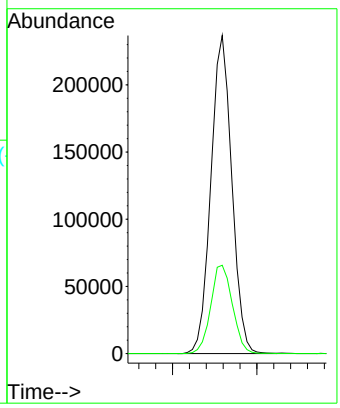
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

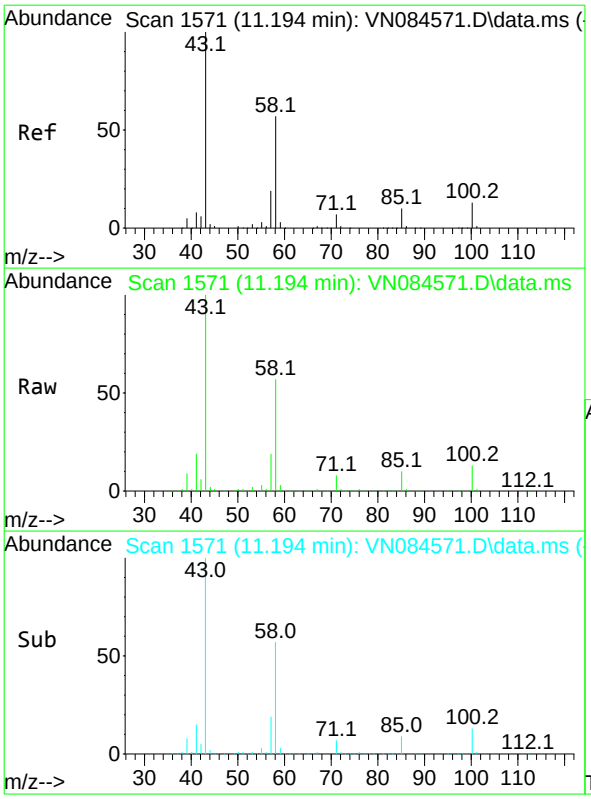


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

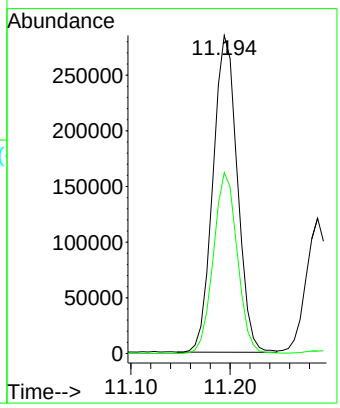




#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 485391

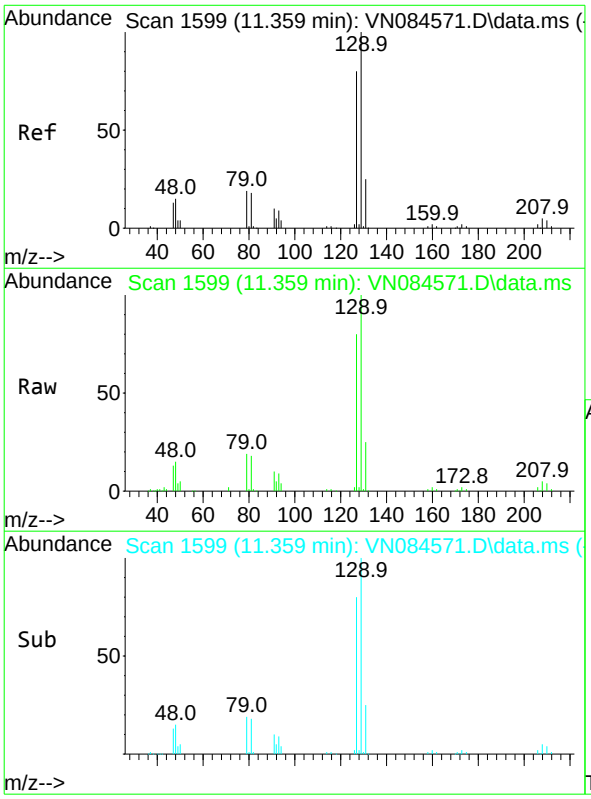
Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

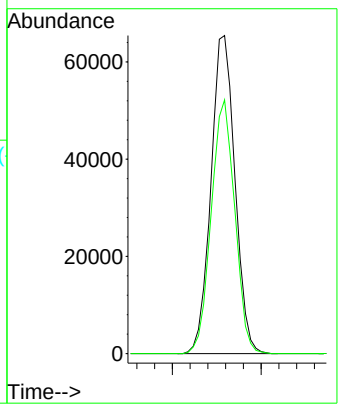
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

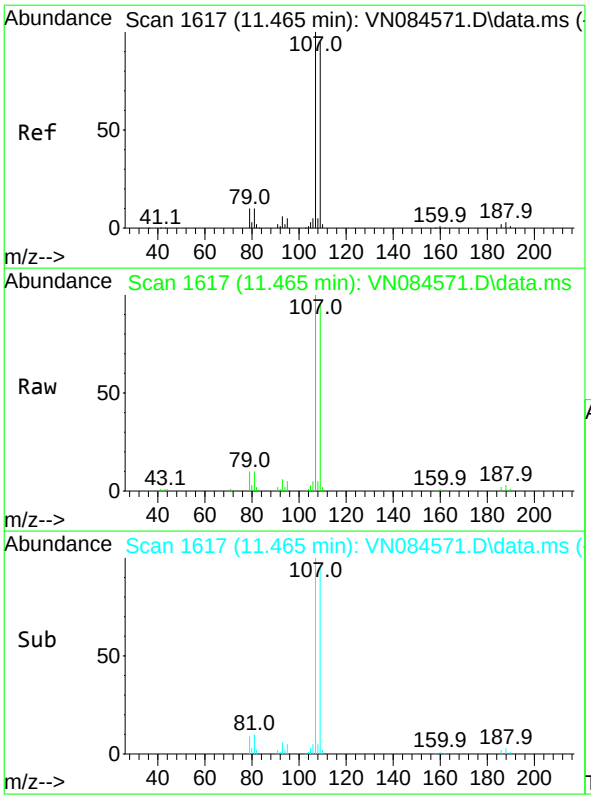


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9

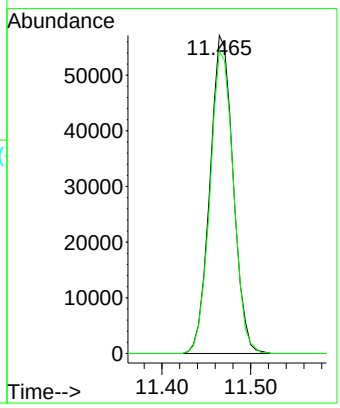




#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:107 Resp: 103901

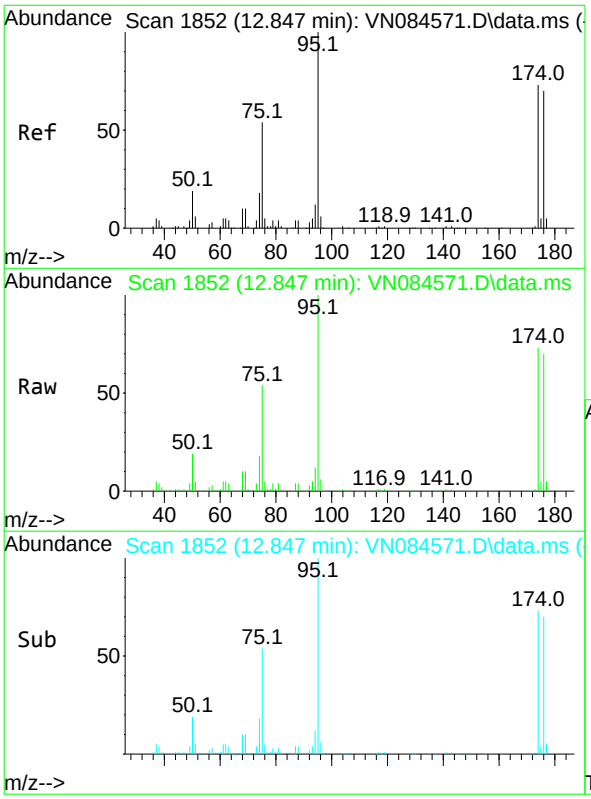
Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

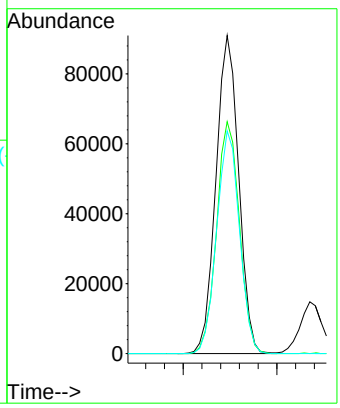
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

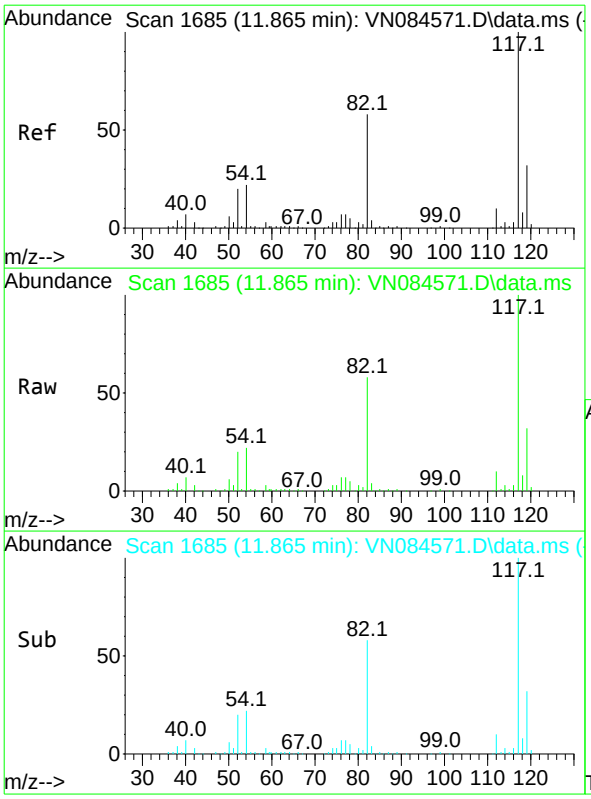


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 95 Resp: 153622

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.0	0.0	140.0

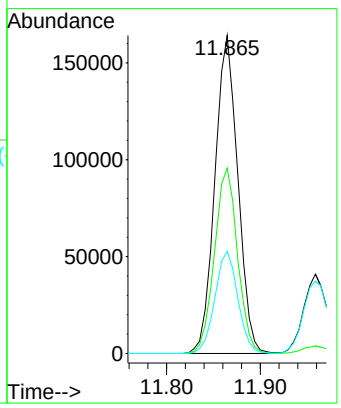




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 279228

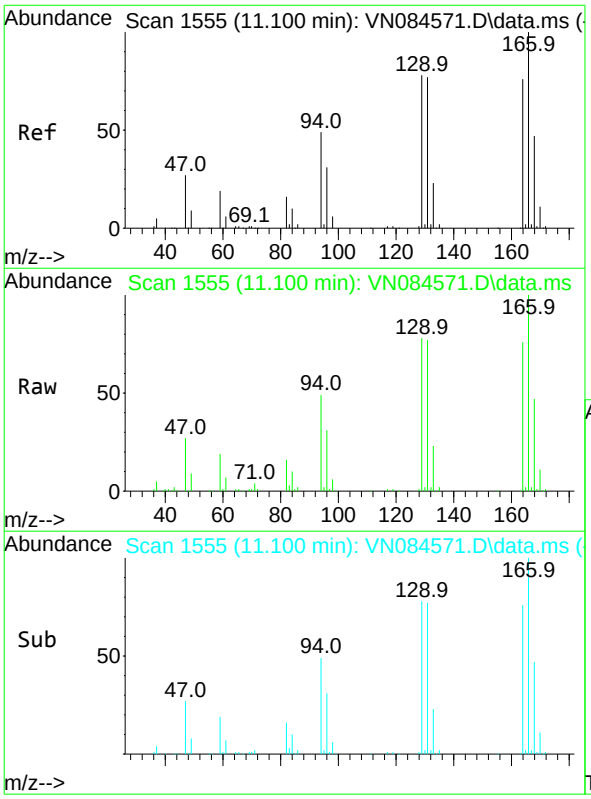
Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

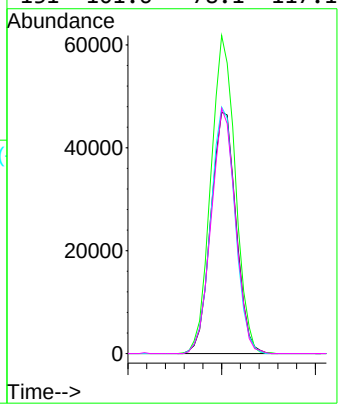
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

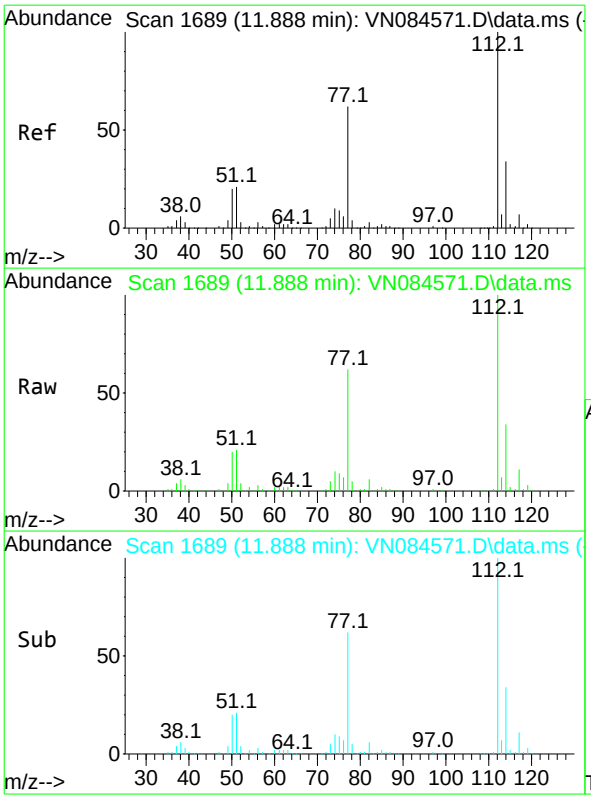


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:164 Resp: 87457

Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.4
129	102.2	80.8	121.2
131	101.6	78.1	117.1

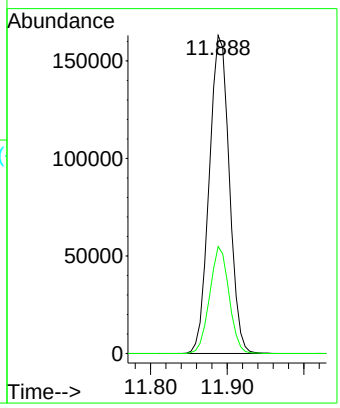




#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:112 Resp: 296199

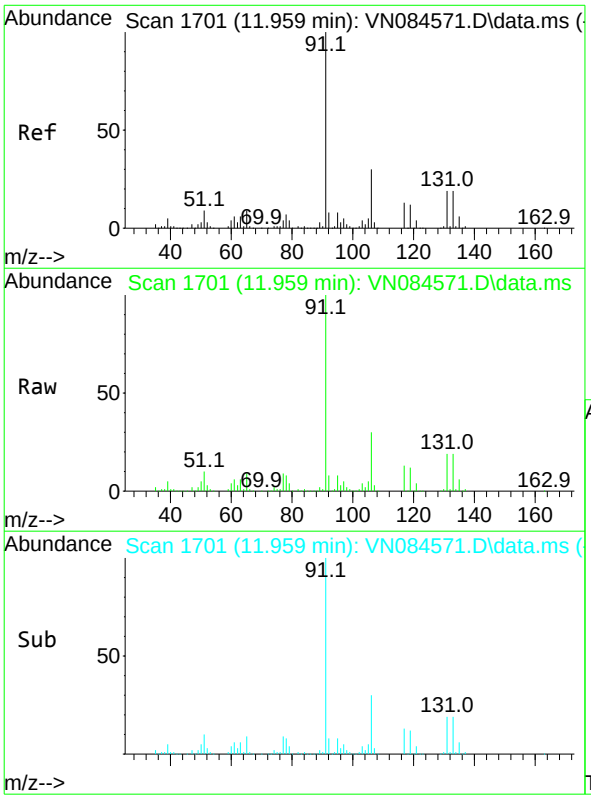
Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

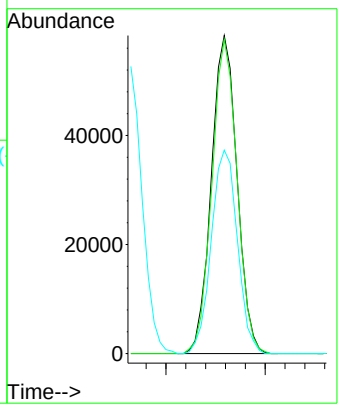
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

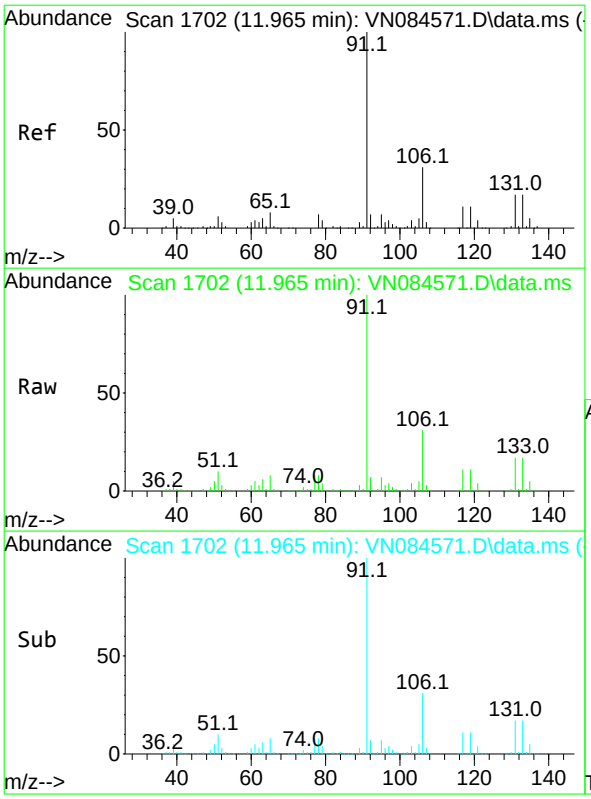


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:131 Resp: 104844

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.9	143.7
119	65.0	32.8	98.3

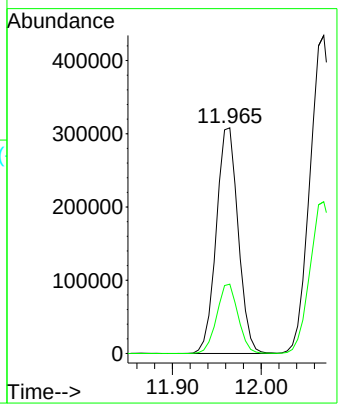




#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 528107

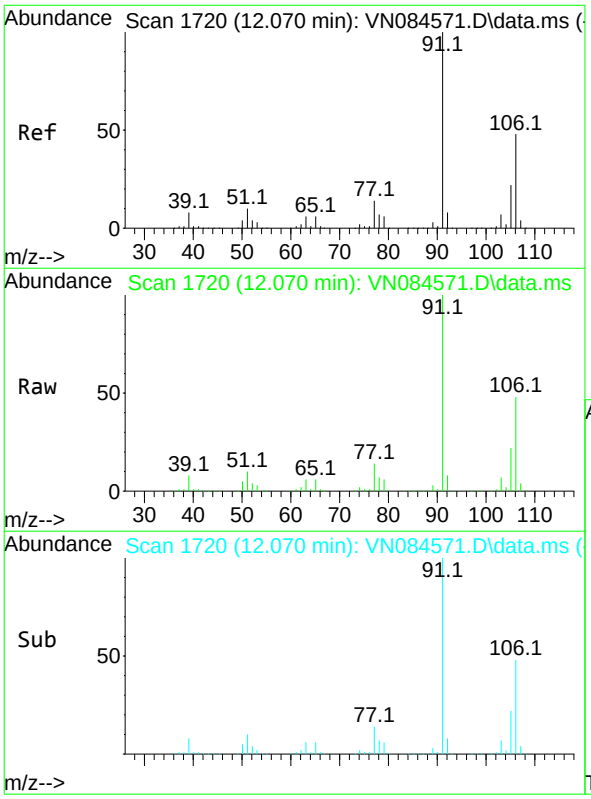
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

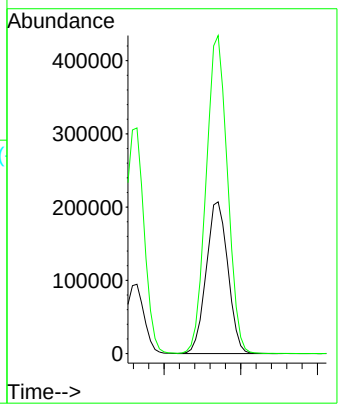
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

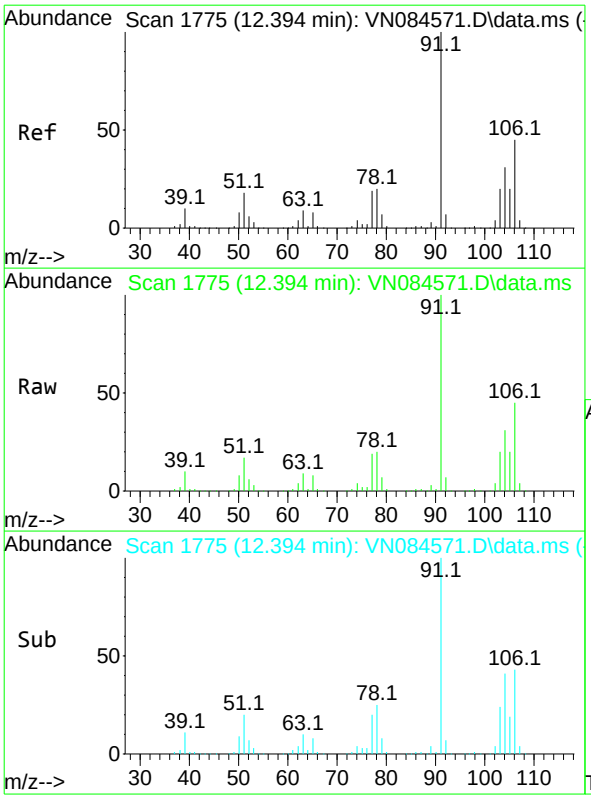


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 406816

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7

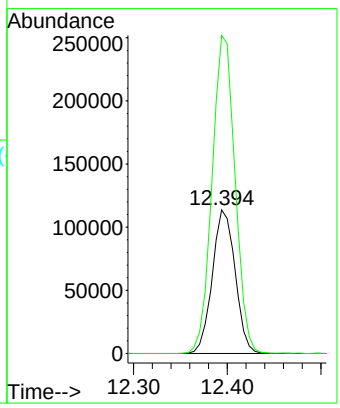




#69
o-Xylene
Concen: 52.183 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 192710

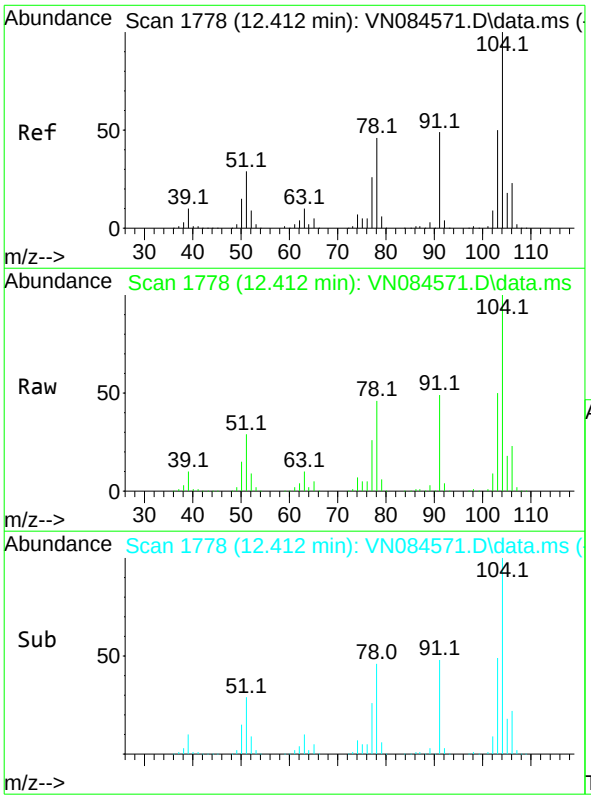
Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

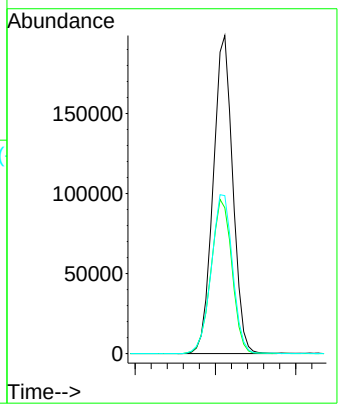
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

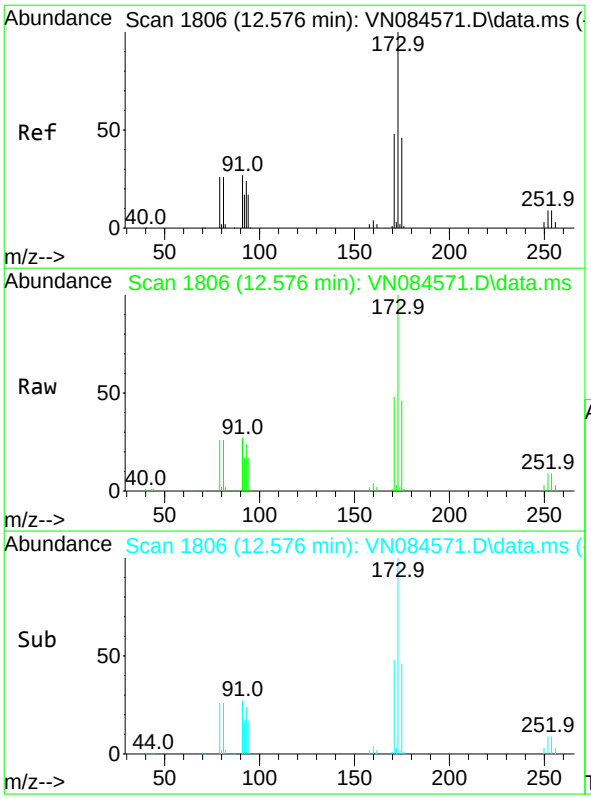


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:104 Resp: 336570

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.4	43.6	65.4

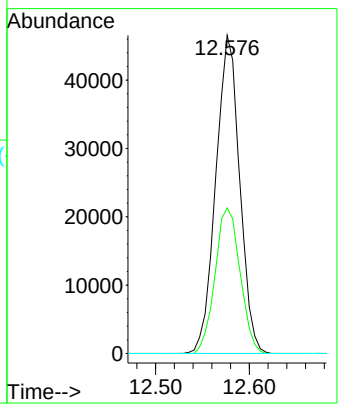




#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:173 Resp: 82245

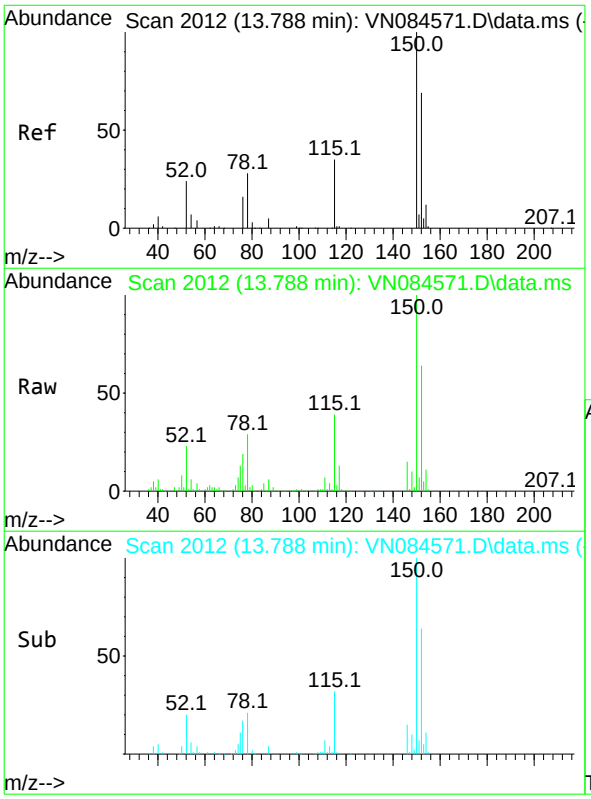
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

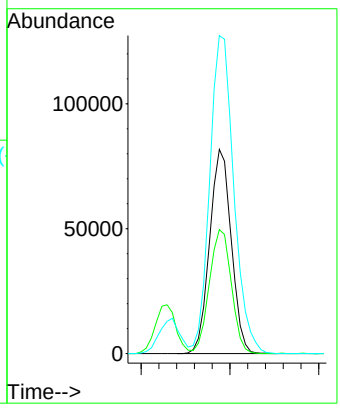
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

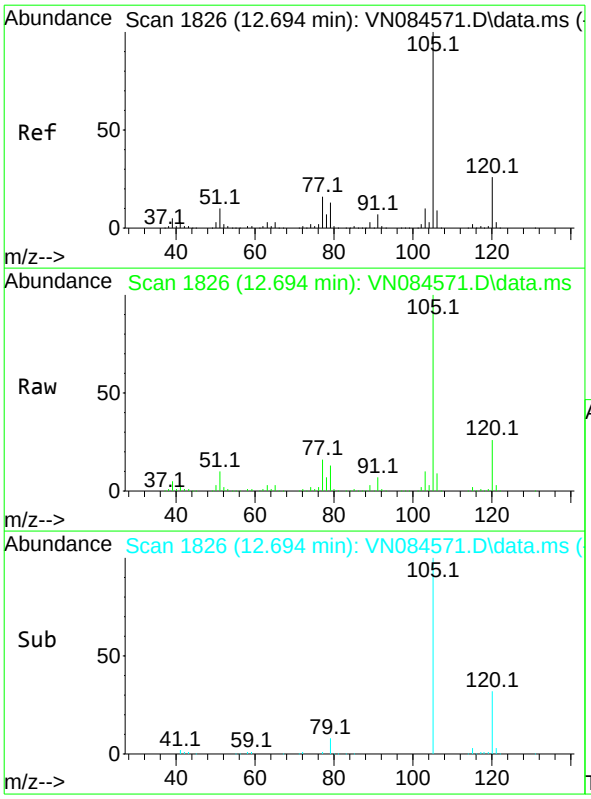


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:152 Resp: 138307

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	173.8	0.0	349.8

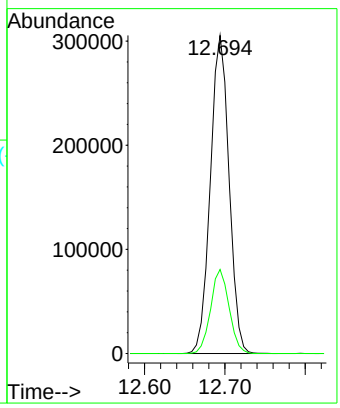




#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 493742

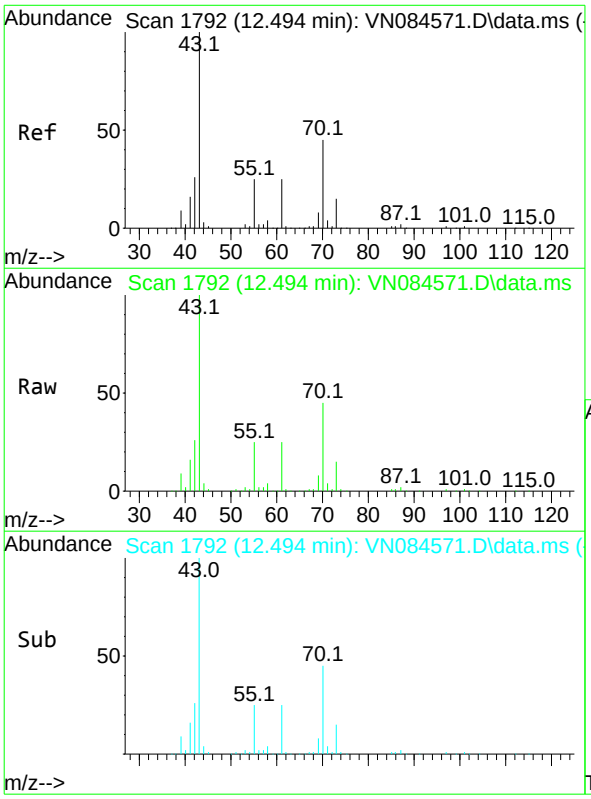
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

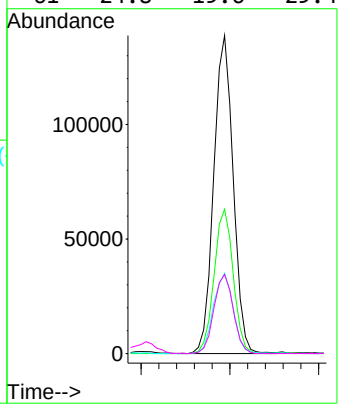
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

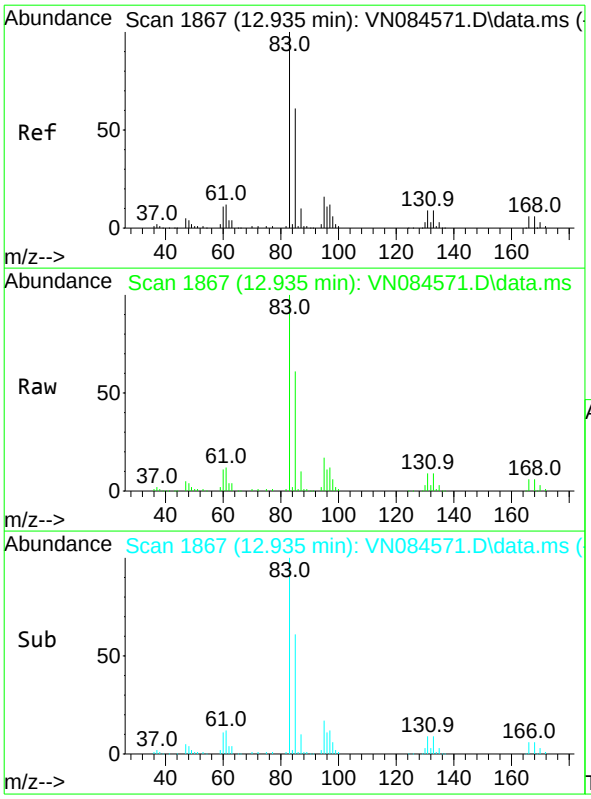


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 211326

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.4	51.6
55	25.9	19.6	29.4
61	24.8	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

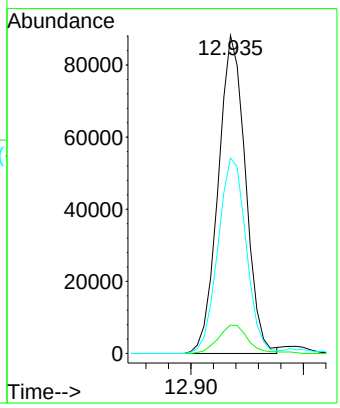
Tgt Ion: 83 Resp: 148441

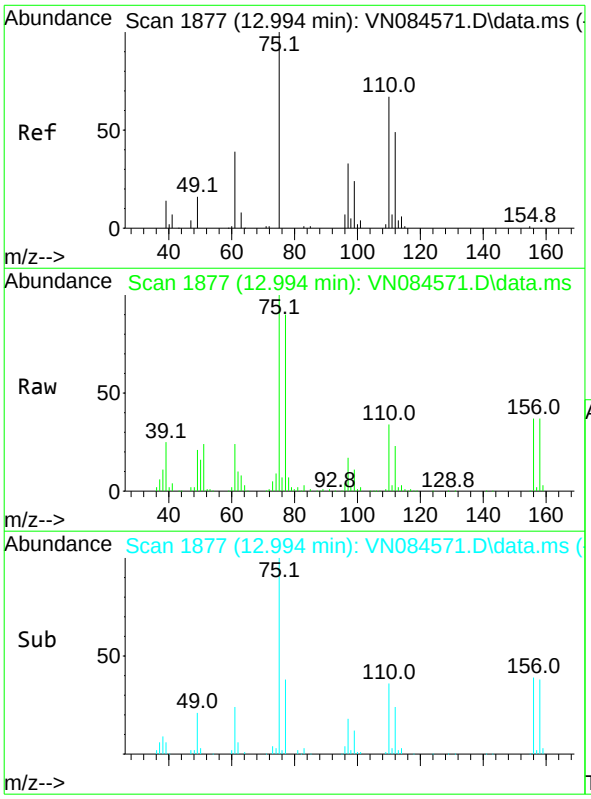
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

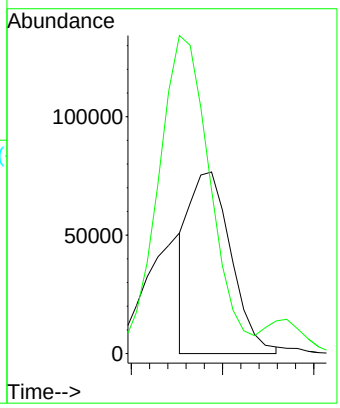


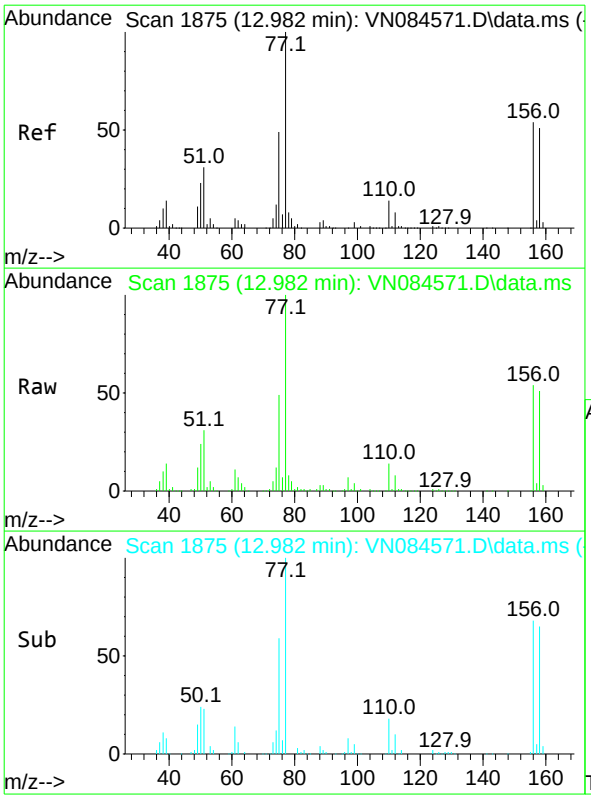


#76
1,2,3-Trichloropropane
Concen: 44.939 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 122649

Ion	Ratio	Lower	Upper
75	100		
77	217.7	96.9	290.7

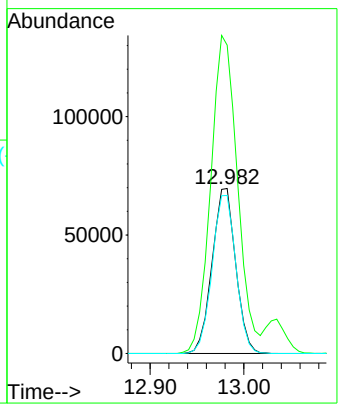




#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:156 Resp: 122062

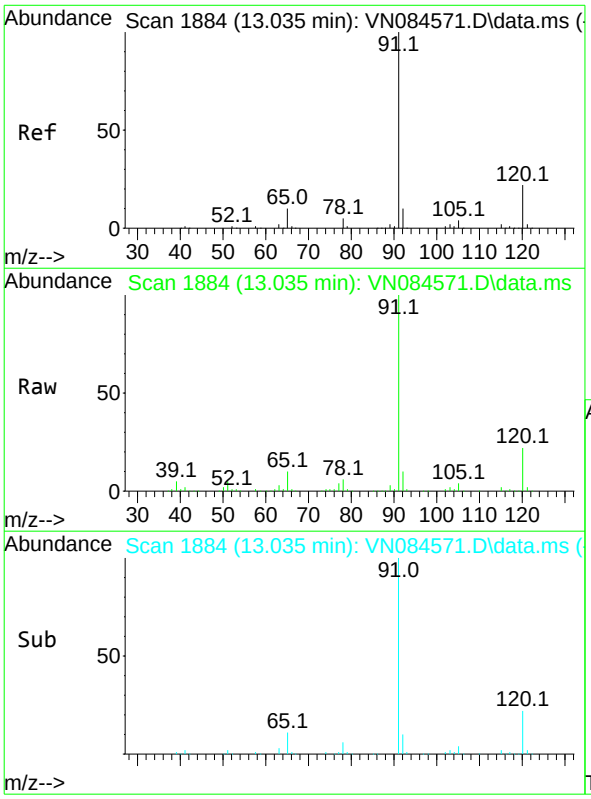
Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

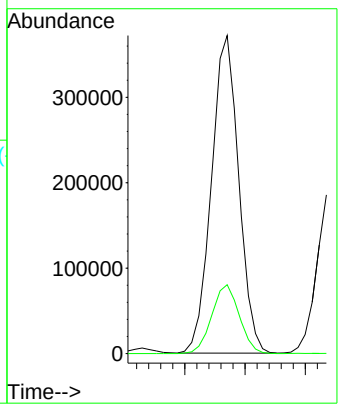
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

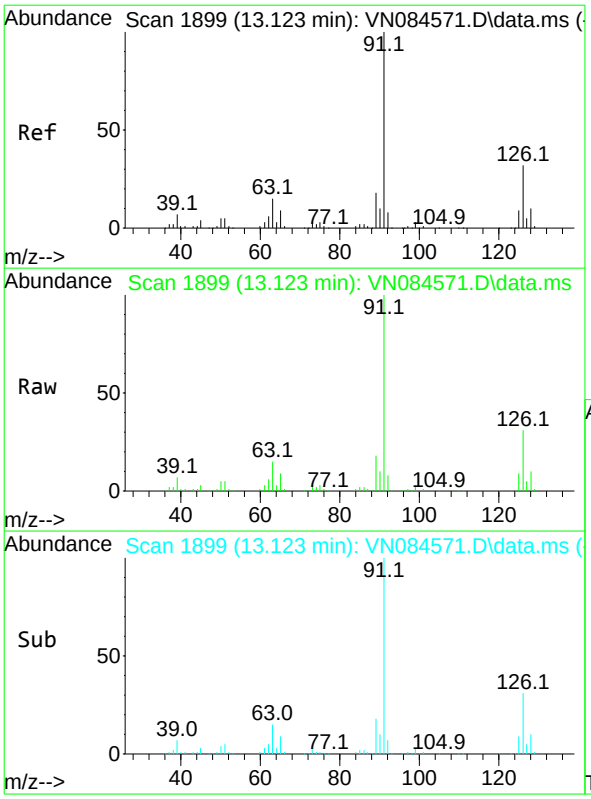


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

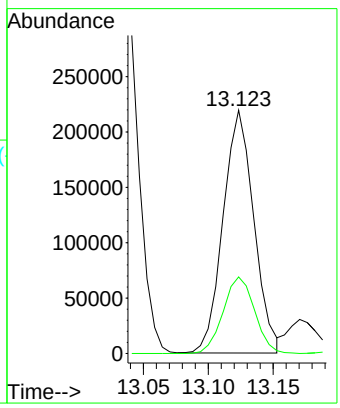




#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362526

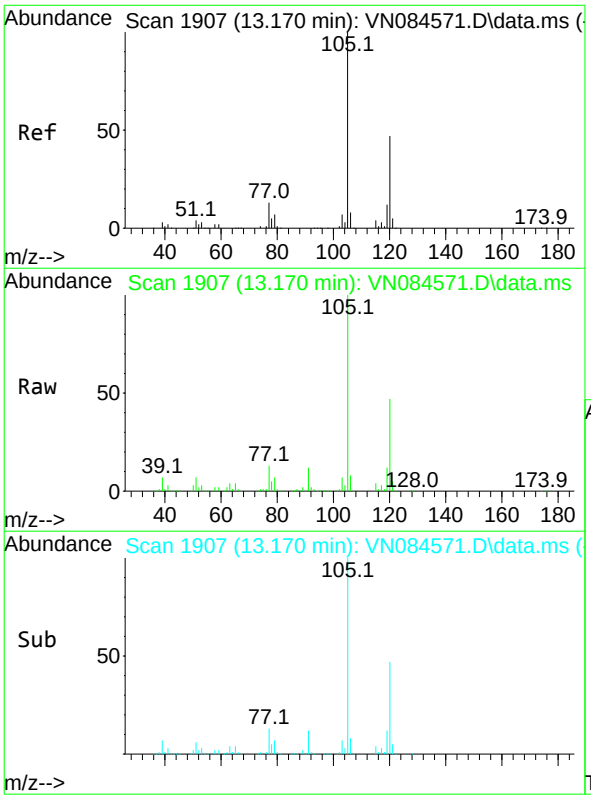
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

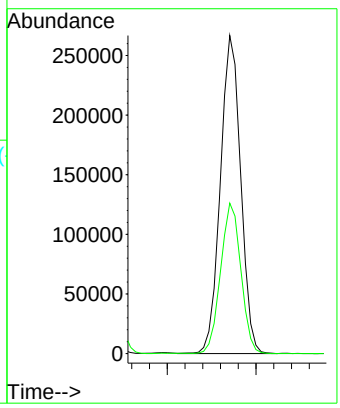
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

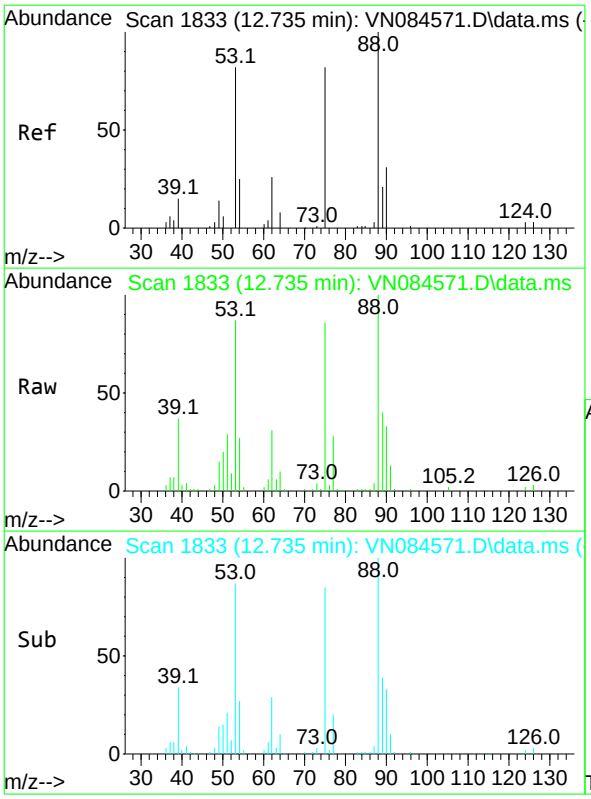


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 424332

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

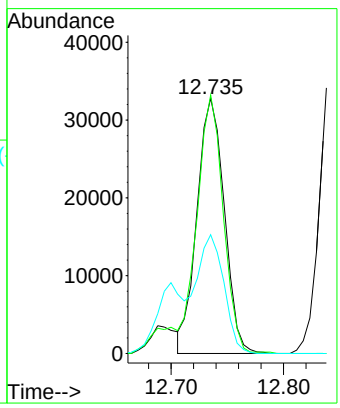




#81
trans-1,4-Dichloro-2-butene
Concen: 47.612 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 55485

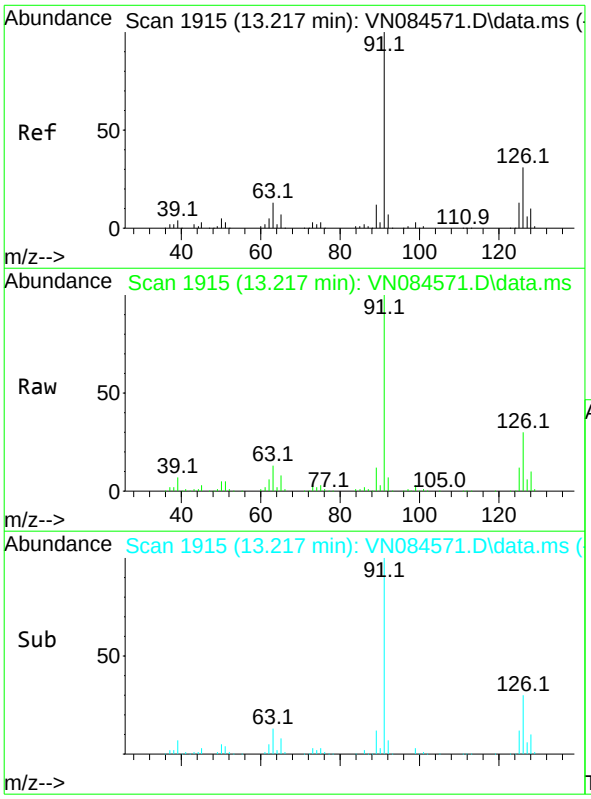
Ion	Ratio	Lower	Upper
75	100		
53	107.3	78.0	117.0
89	47.3	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

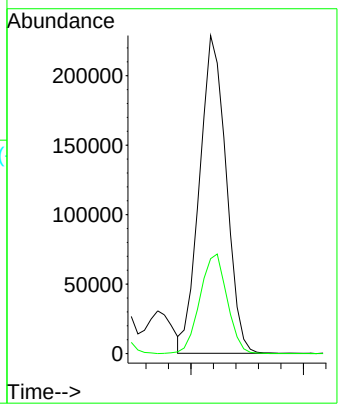
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

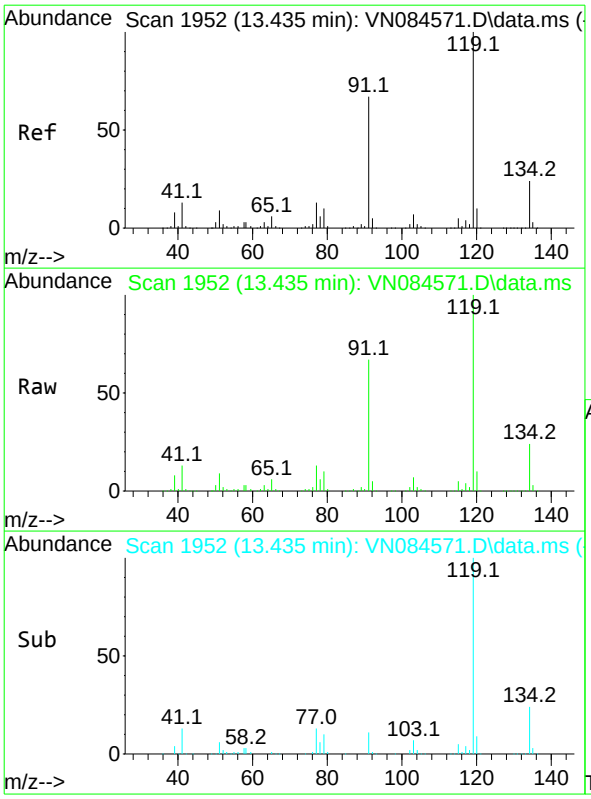


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

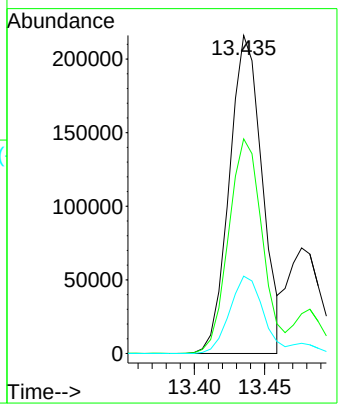




#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 350031

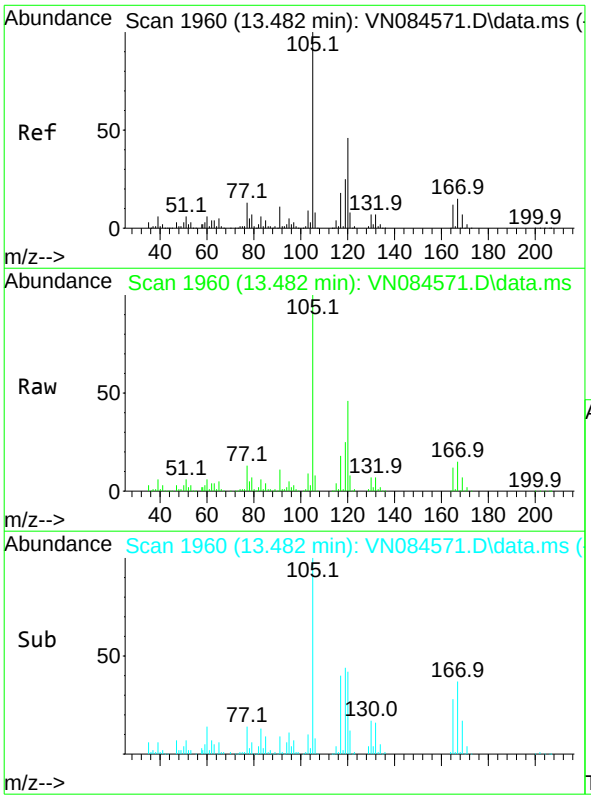
Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

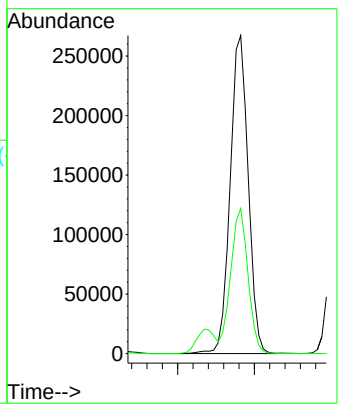
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

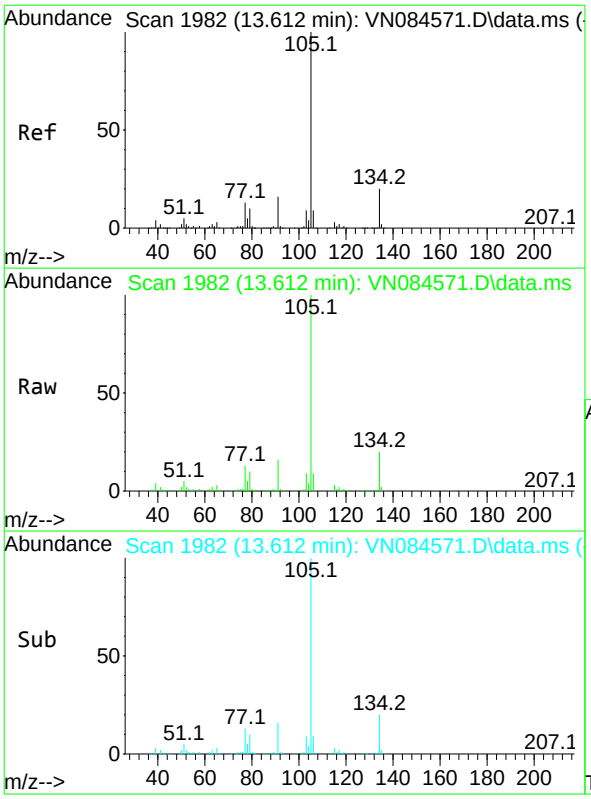


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8

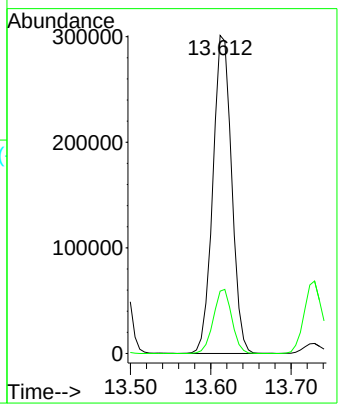




#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 489305

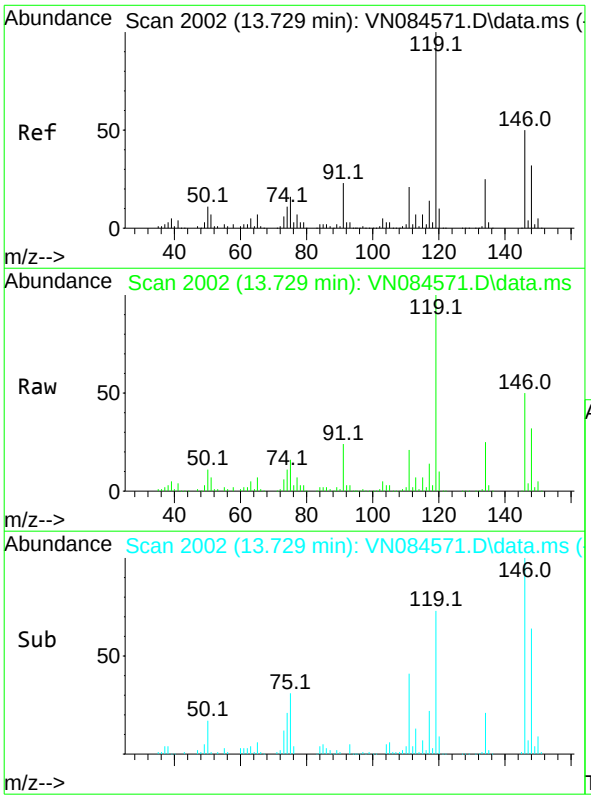
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

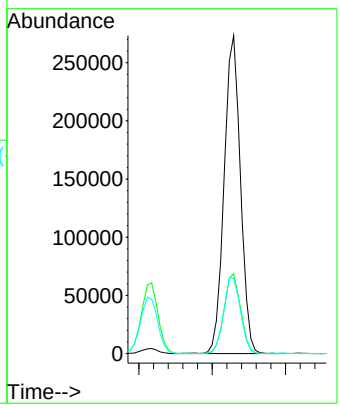
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

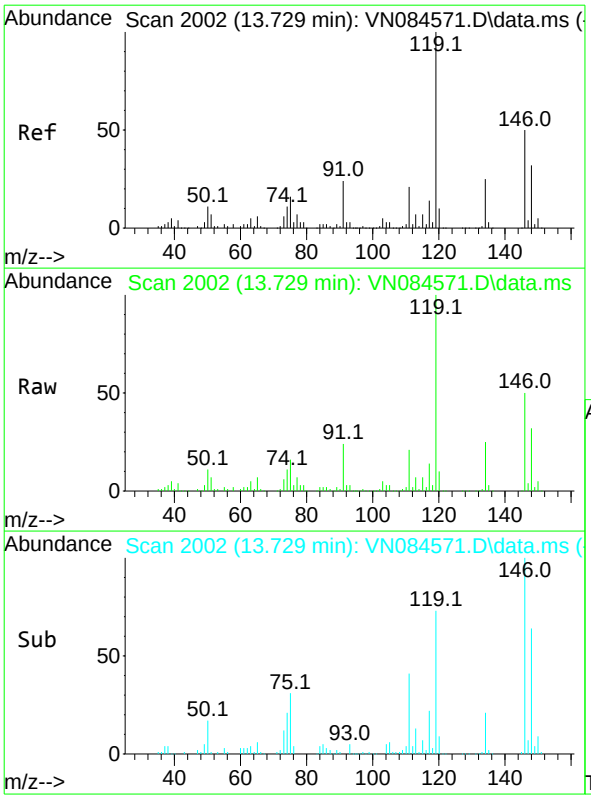


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 421834

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.7	12.4	37.2

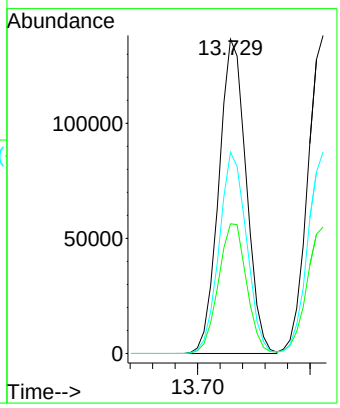




#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 230686

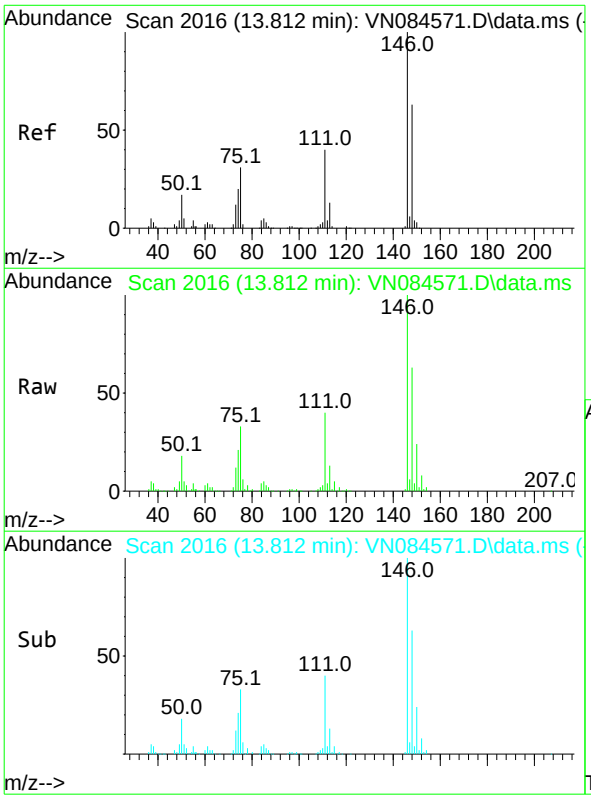
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

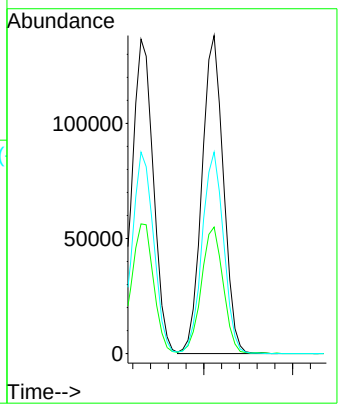
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

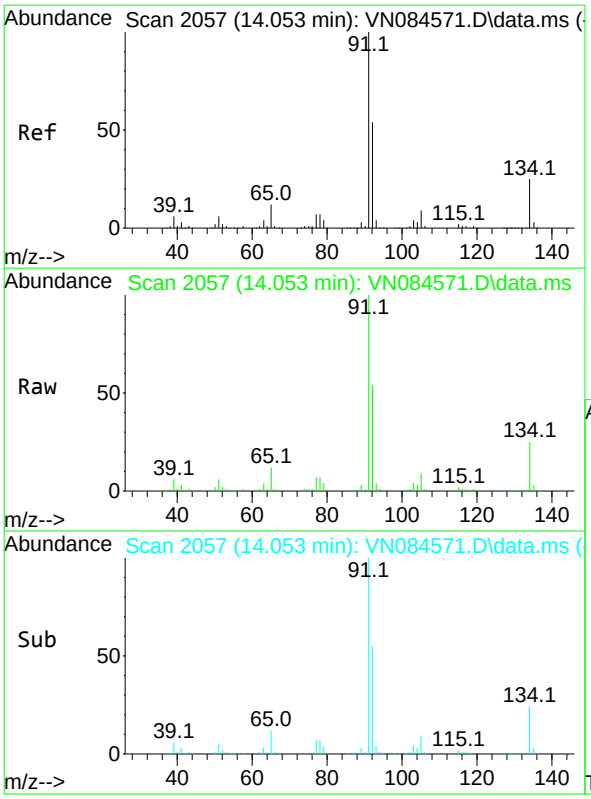


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 231568

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	63.6	31.9	95.9

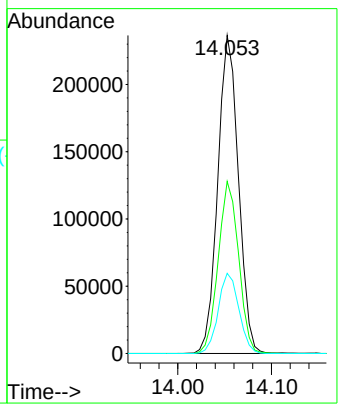




#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362215

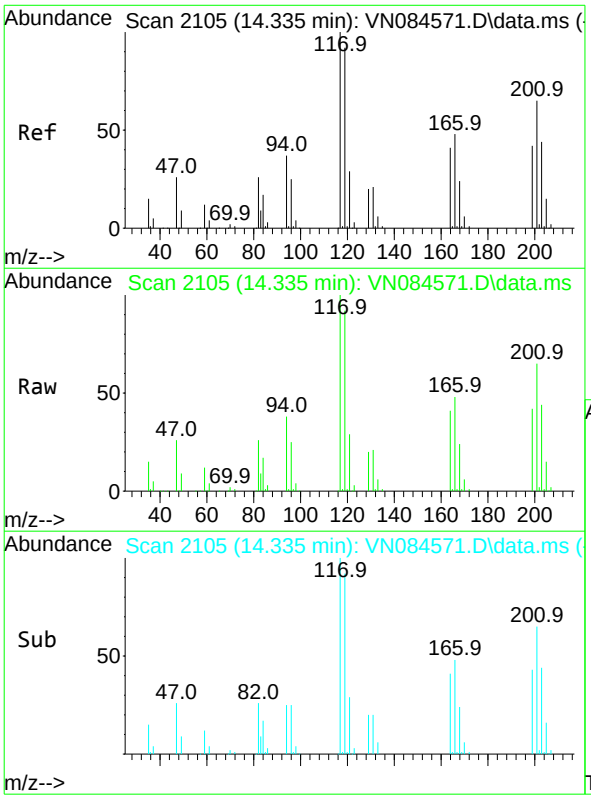
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

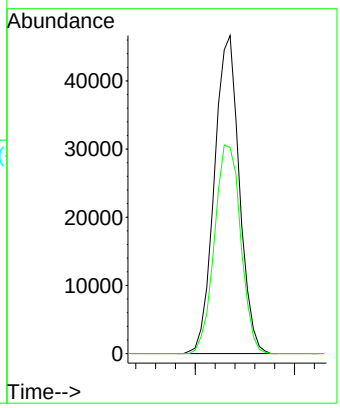
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

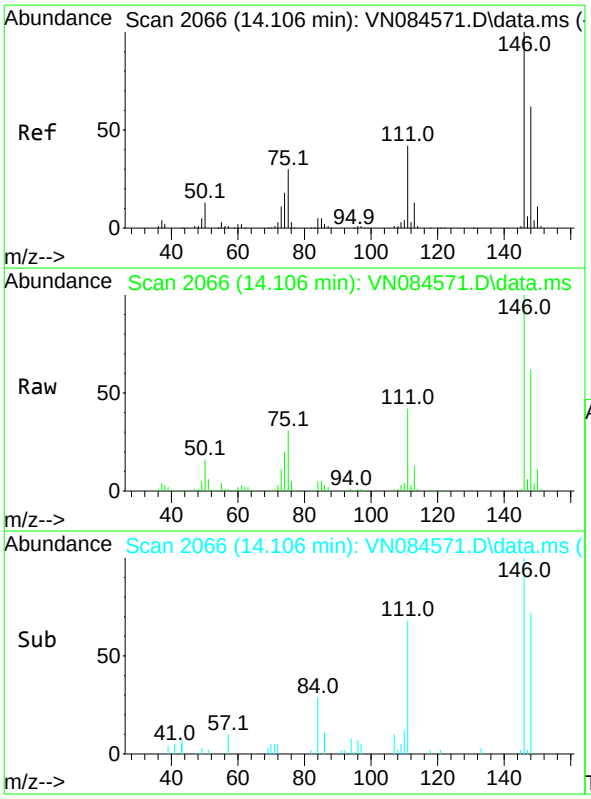


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2

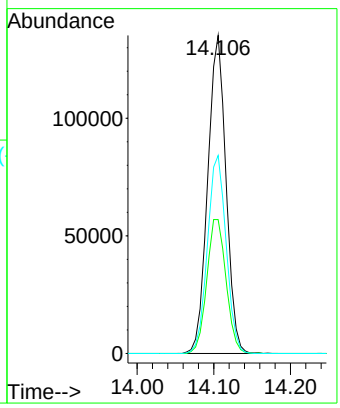




#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 223772

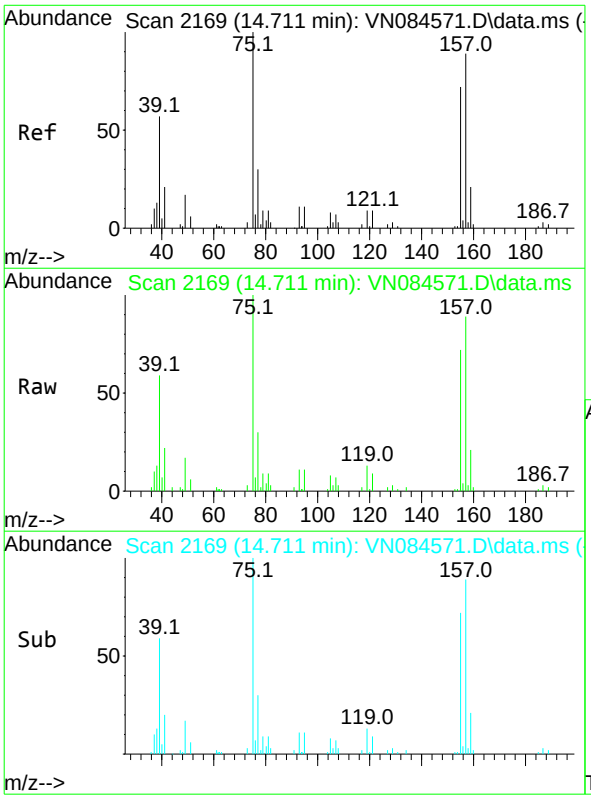
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.0	66.0
148	63.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

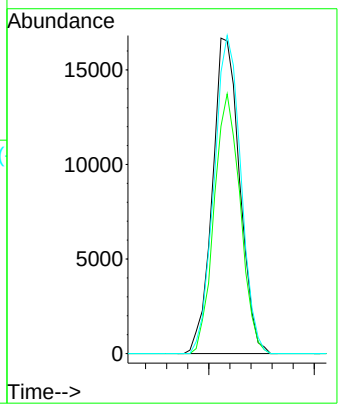
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

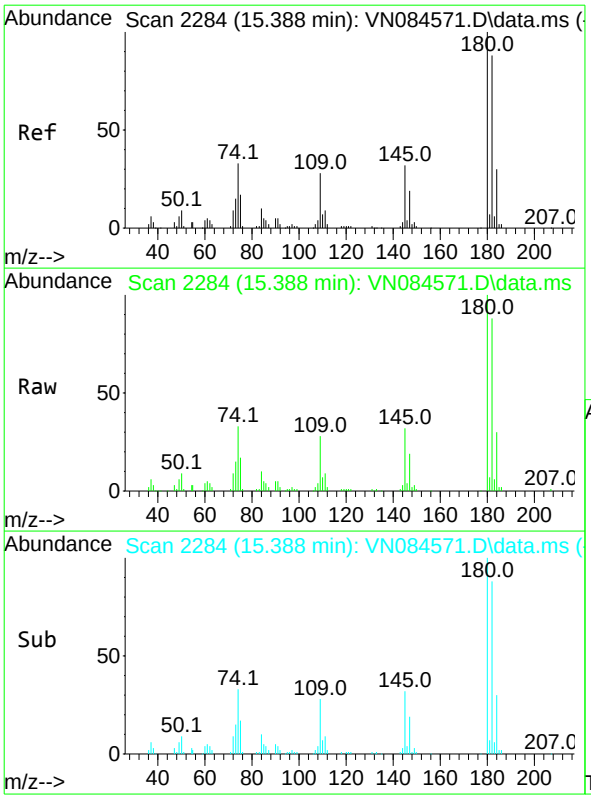


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 29987

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	99.0	49.6	149.0

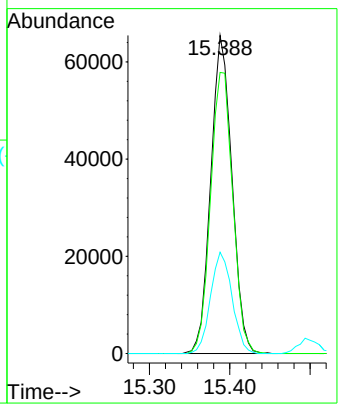




#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 119579

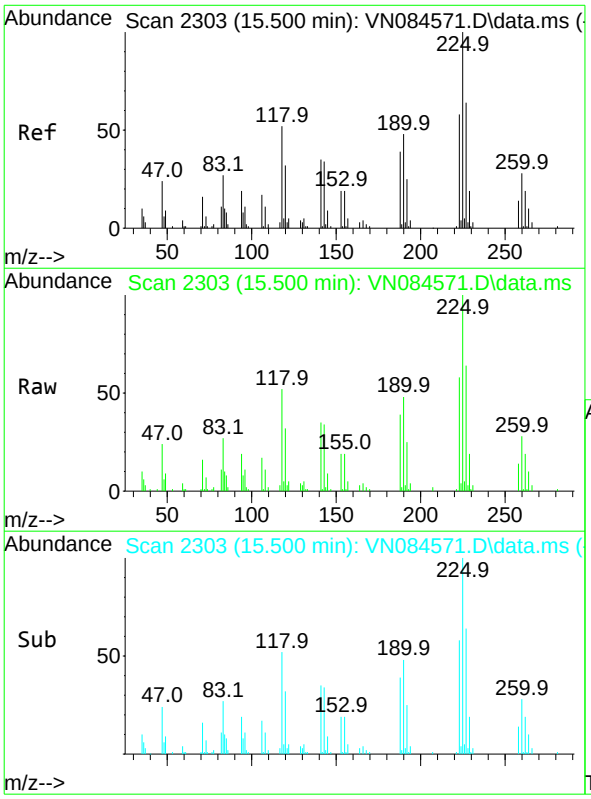
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	32.4	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

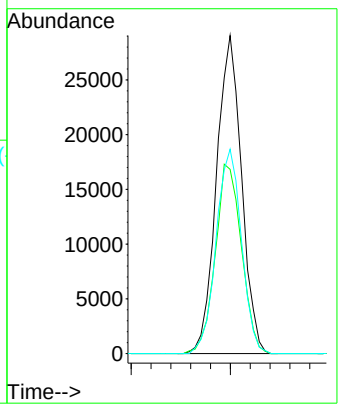
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

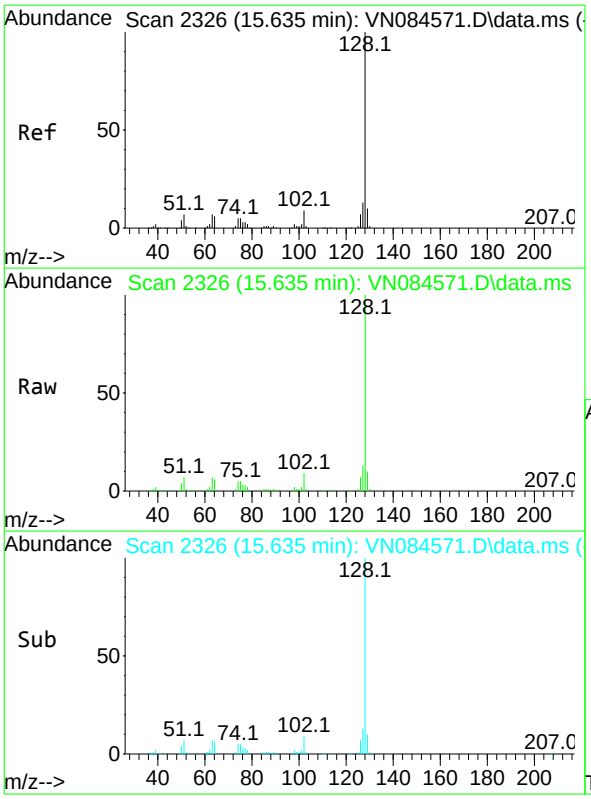


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:225 Resp: 51033

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.9	32.4	97.0

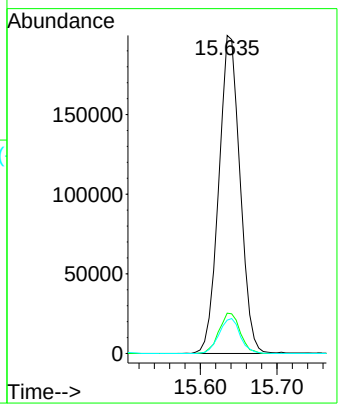




#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:128 Resp: 384553

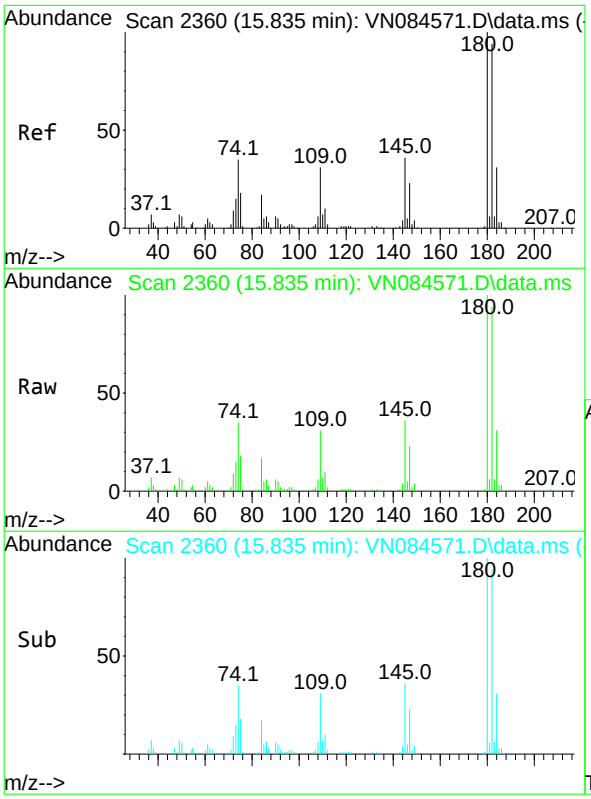
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

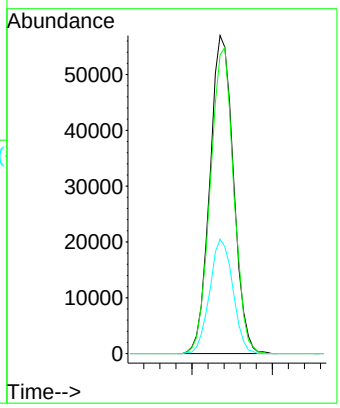
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 44.812 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 116341

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.3	17.3	51.9



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882	ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180	ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277	ug/l		98
44) Trichloroethene	9.347	130	44176	19.862	ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229	ug/l		93
46) Dibromomethane	9.706	93	32857	20.583	ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997	ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466	ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417	ug/l		100
52) Toluene	10.629	92	117530	20.838	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141	ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613	ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786	ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735	ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070	ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054	ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125	ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651	ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732	ug/l		99
69) o-Xylene	12.400	106	77396	21.214	ug/l		99
70) Styrene	12.412	104	133059	20.907	ug/l		96
71) Bromoform	12.576	173	32901	20.369	ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127	ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414	ug/l		
77) Bromobenzene	12.976	156	48017	19.550	ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024	ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070	ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102	ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783	ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255	ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458	ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139	ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523	ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066	ug/l		96
95) Naphthalene	15.635	128	153972	20.404	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

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

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

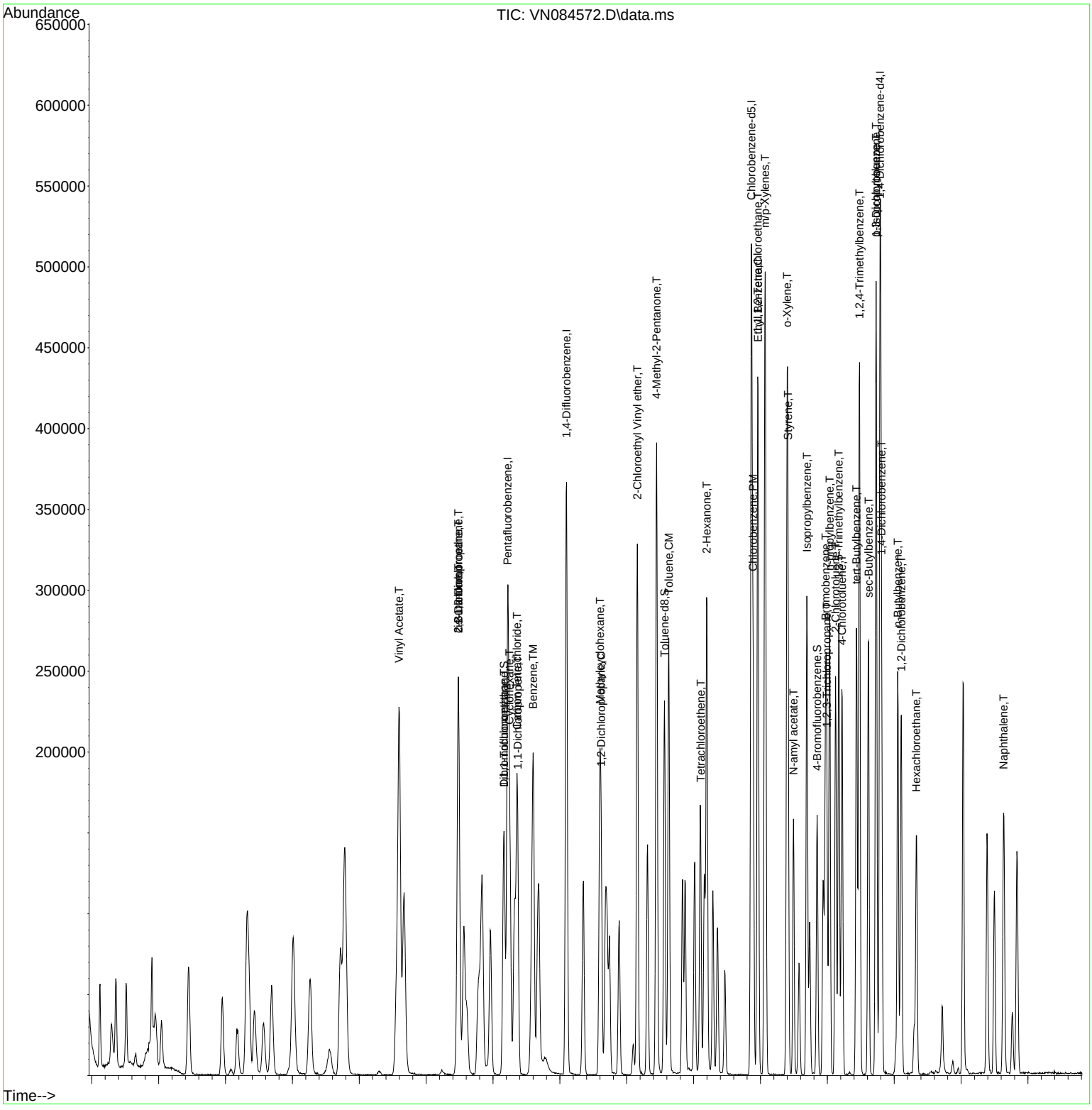
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

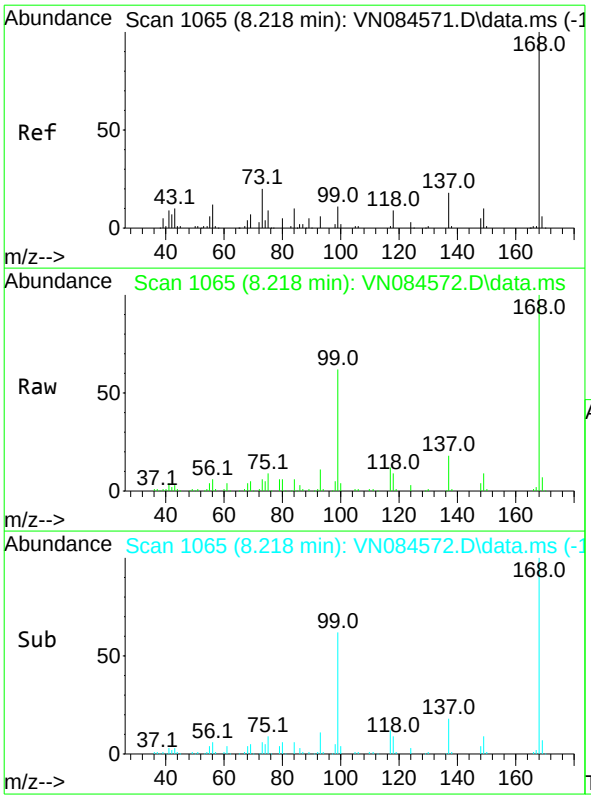
Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

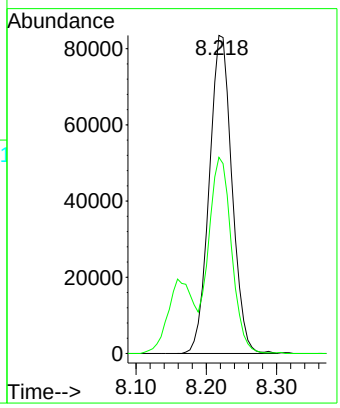




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:168 Resp: 187576

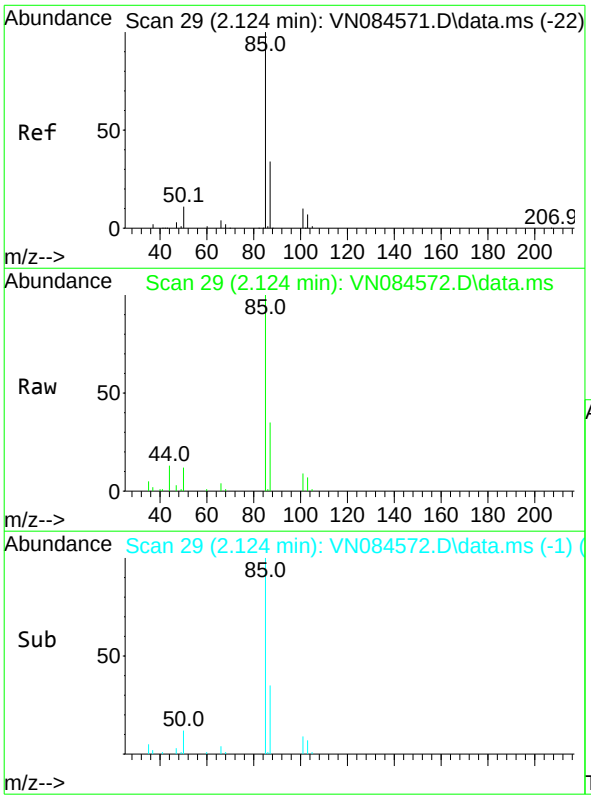
Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

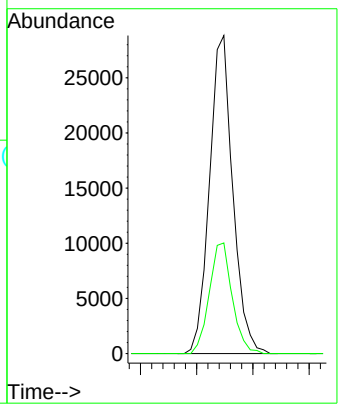
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

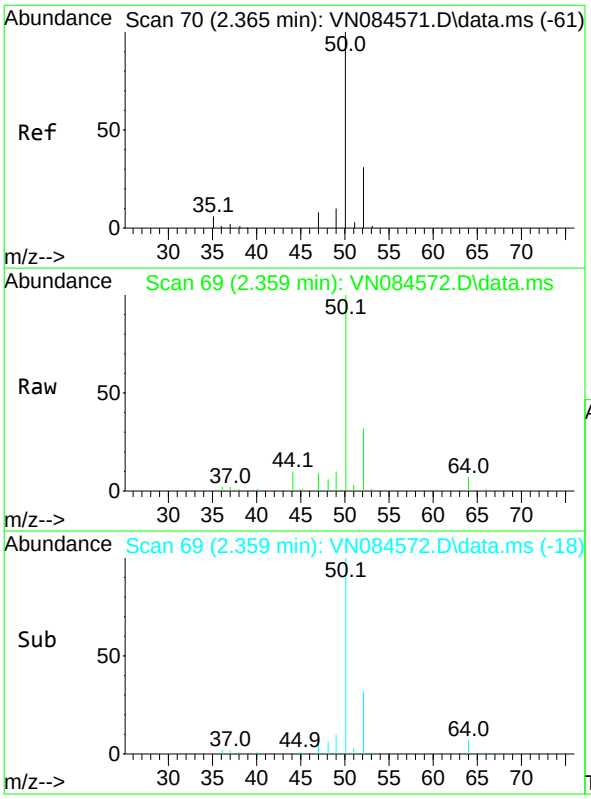


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9

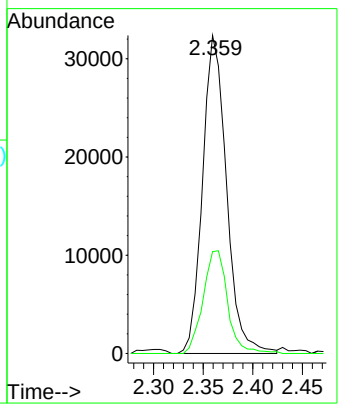




#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 50 Resp: 54414

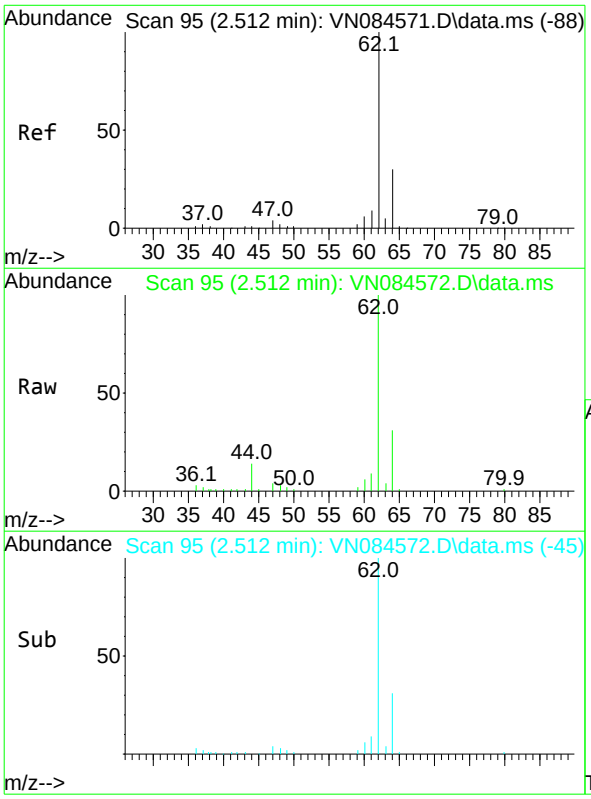
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

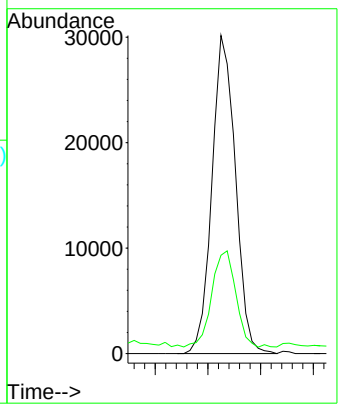
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

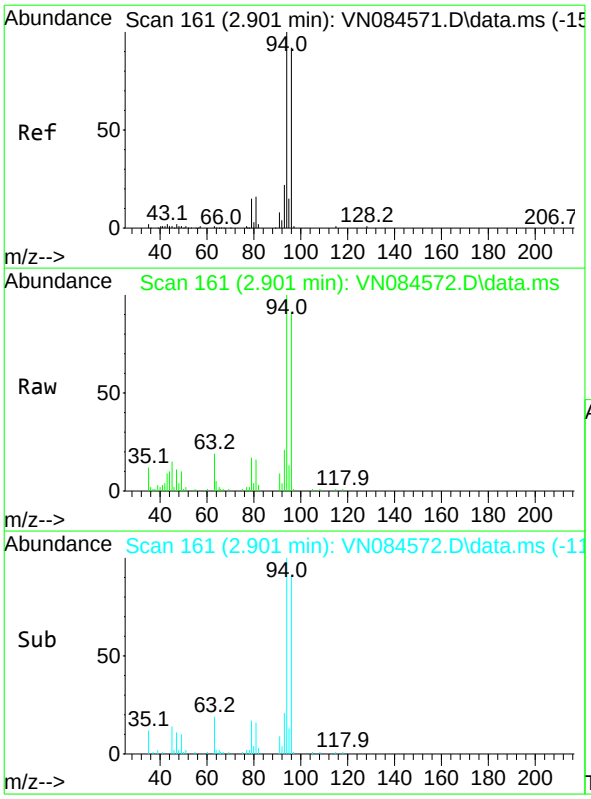


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4

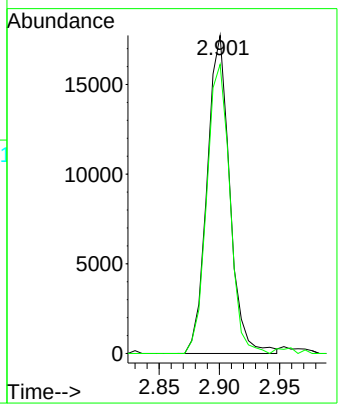




#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 94 Resp: 23244

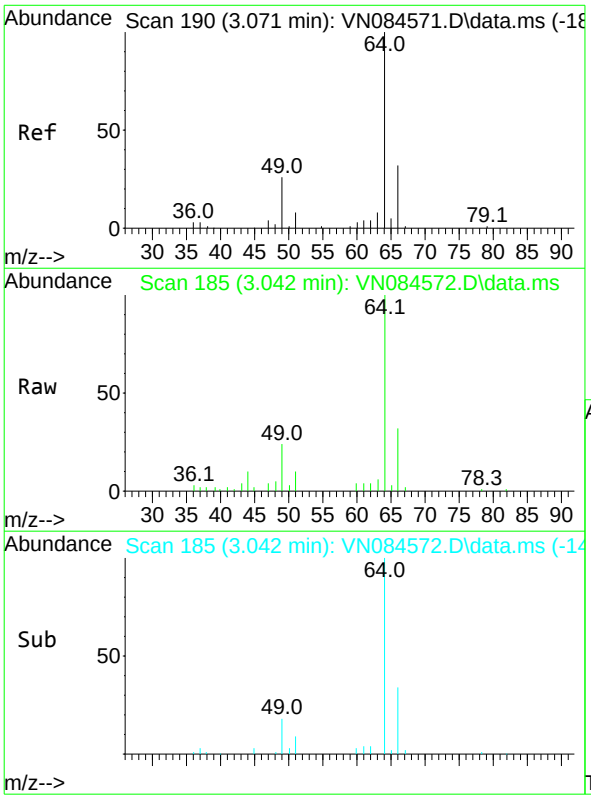
Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

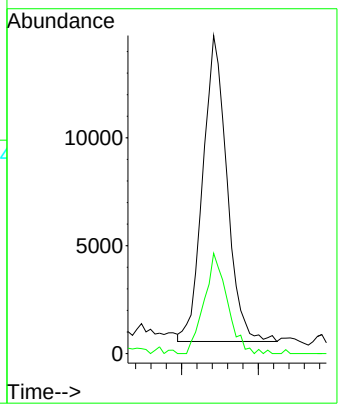
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

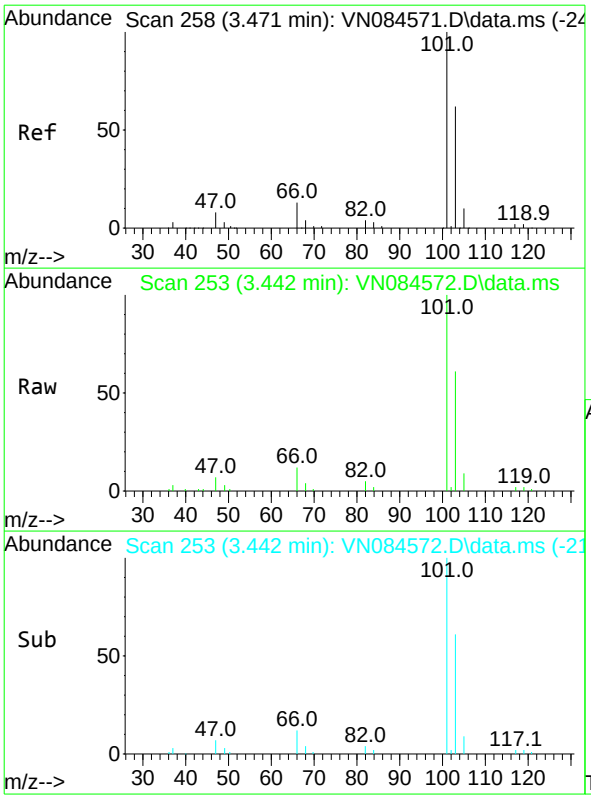


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

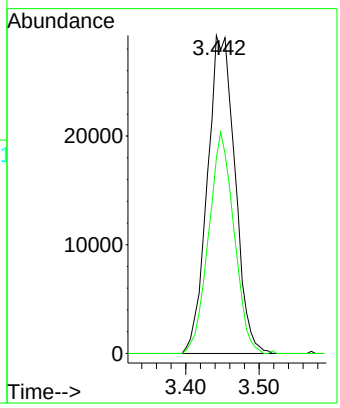




#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 25
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 76339

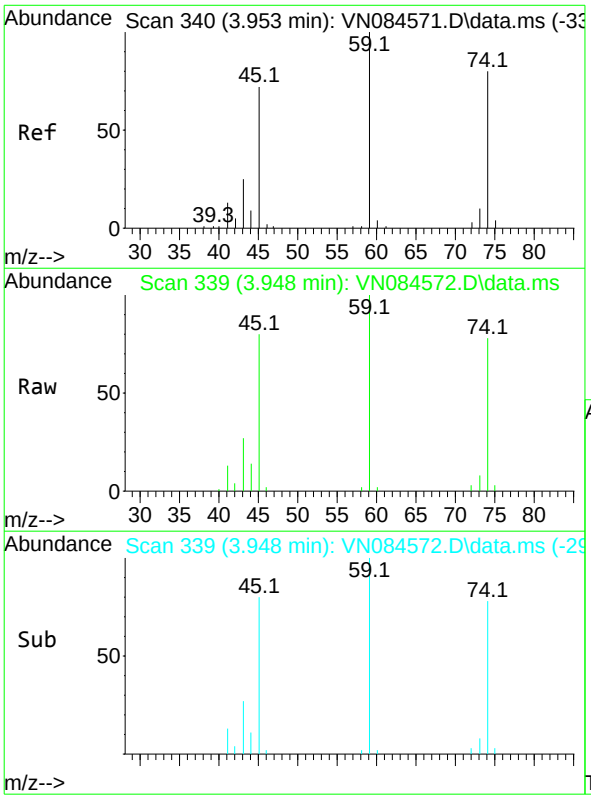
Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

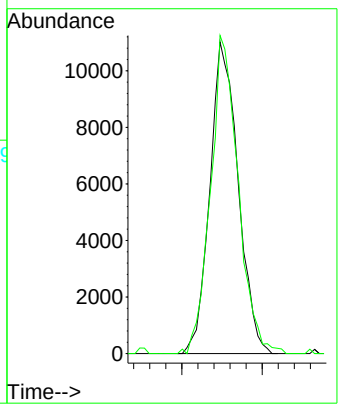
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

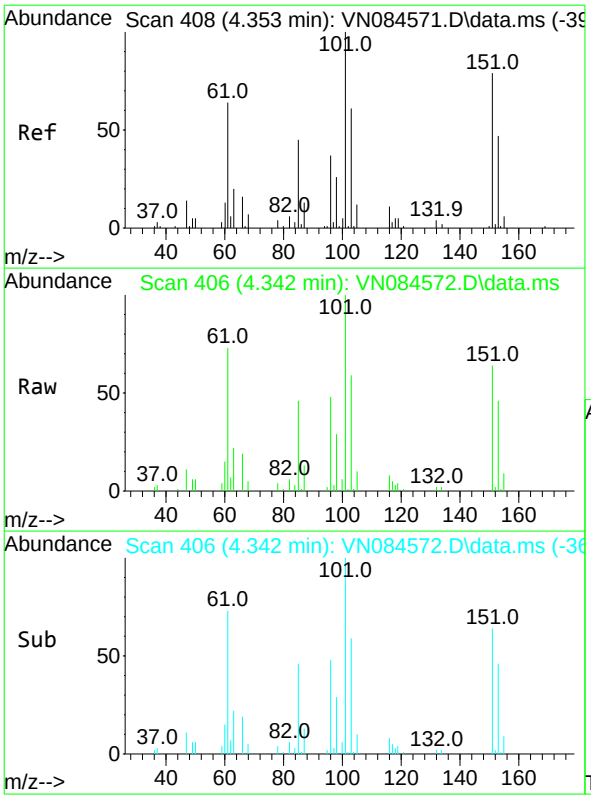


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1

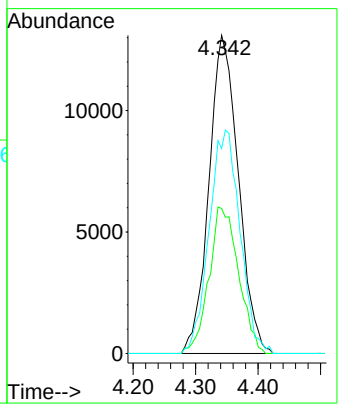




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 40
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 42830

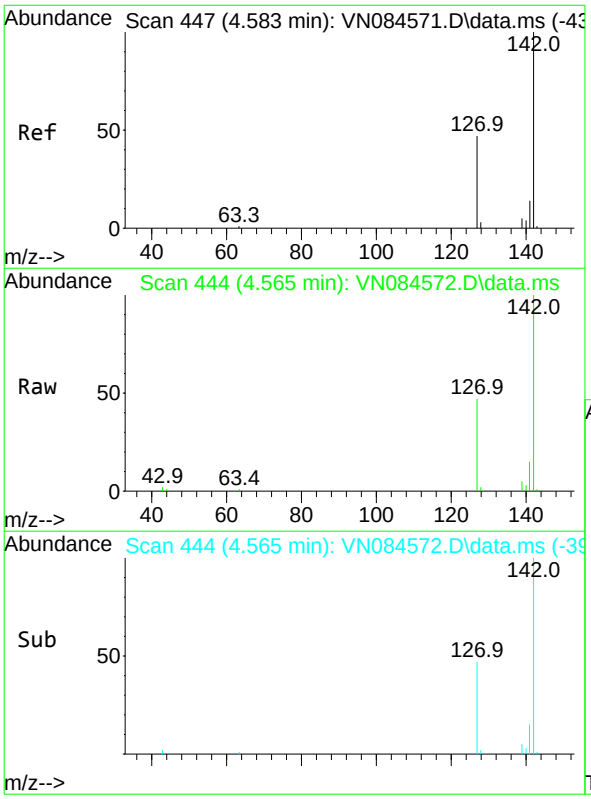
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	73.6	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

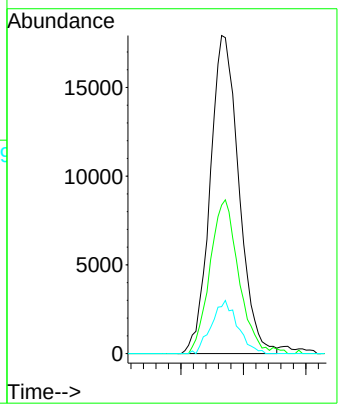
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

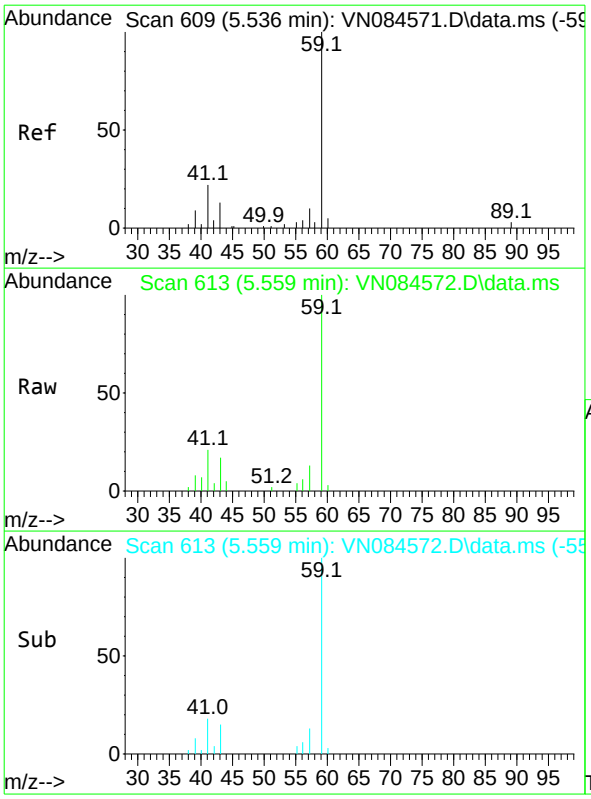


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:142 Resp: 57315

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	14.8	11.0	16.6

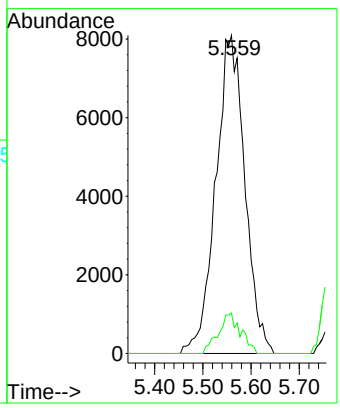




#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 59 Resp: 33927

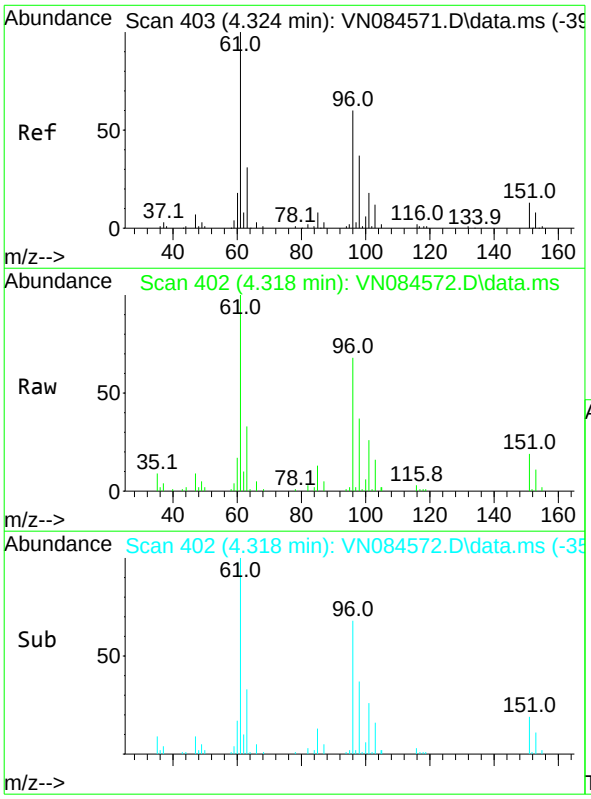
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

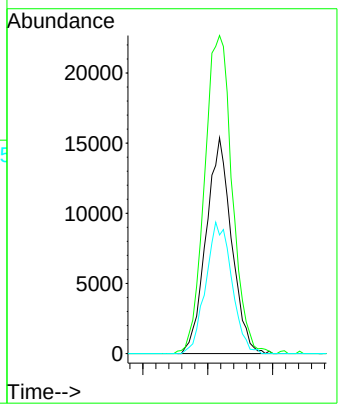
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

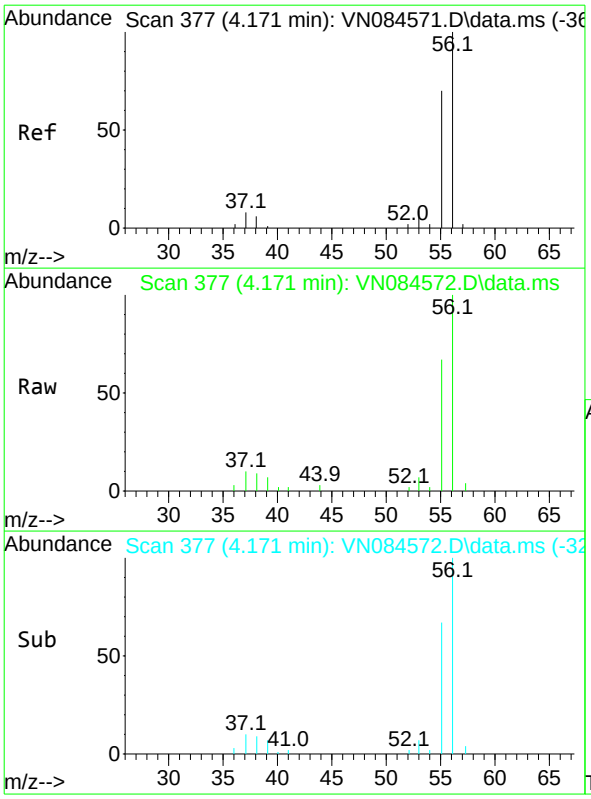


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 41980

Ion	Ratio	Lower	Upper
96	100		
61	147.4	128.6	192.8
98	55.0	51.7	77.5

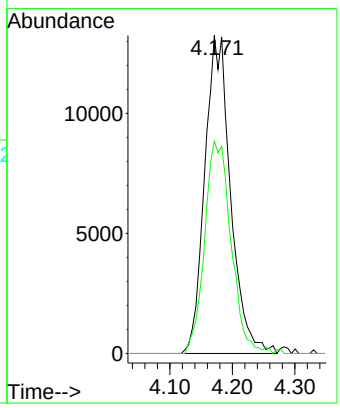




#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 38007

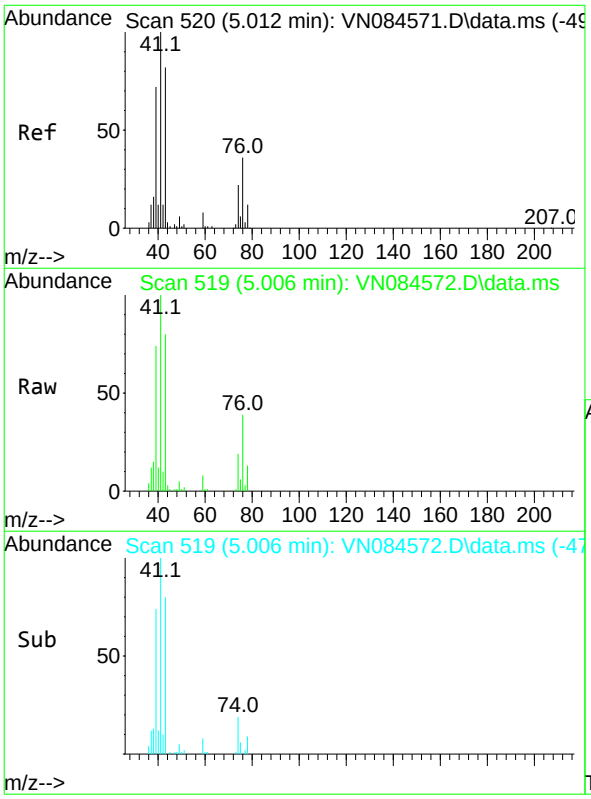
Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

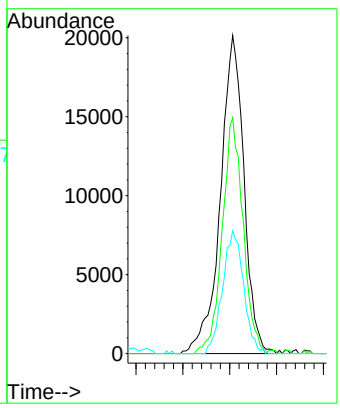
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

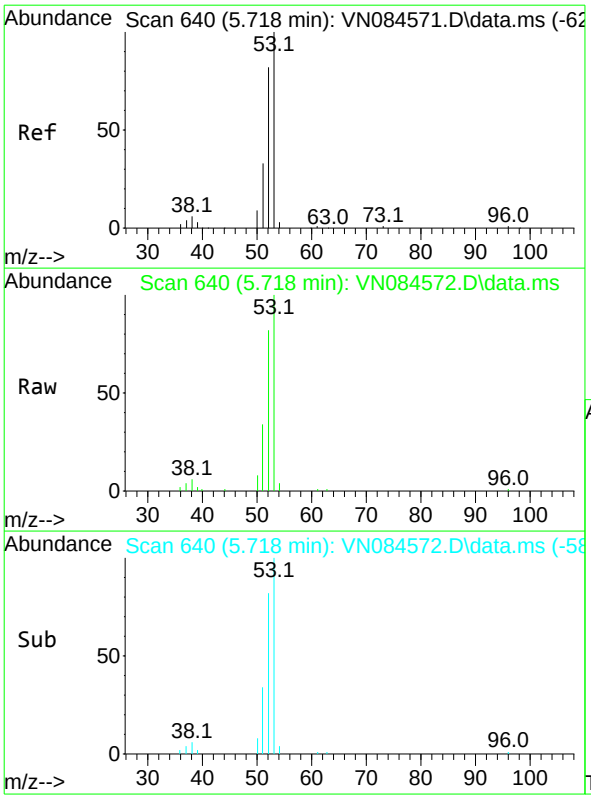


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 70420

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.4	29.8	44.6

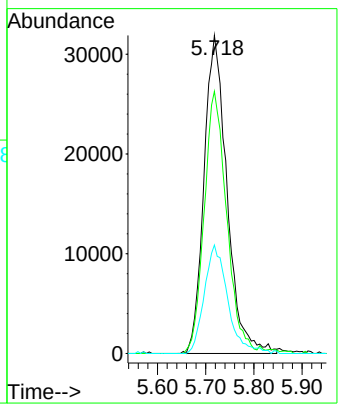




#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 53 Resp: 105912

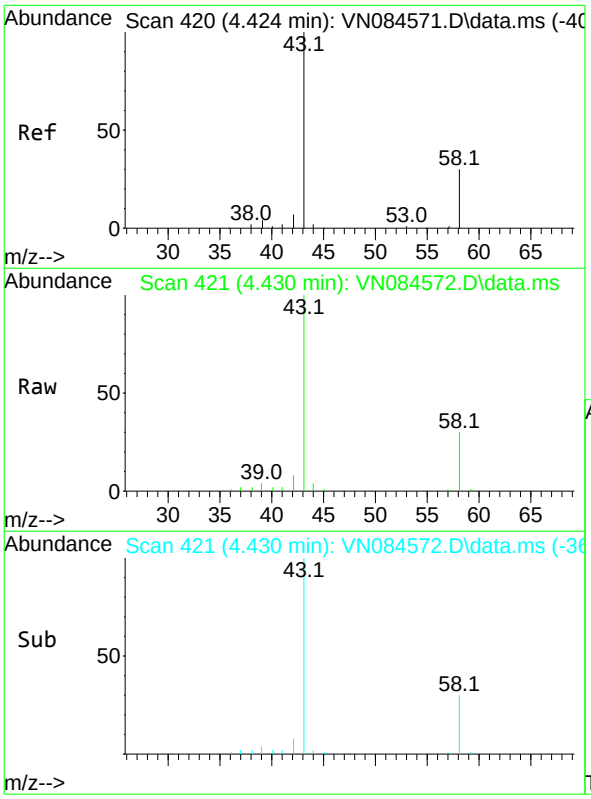
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	34.7	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

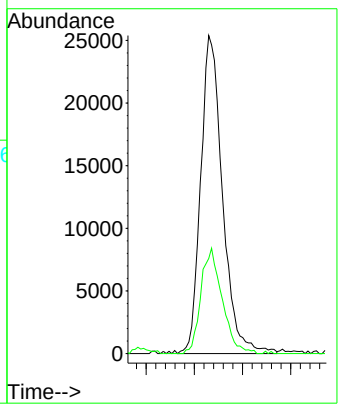
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

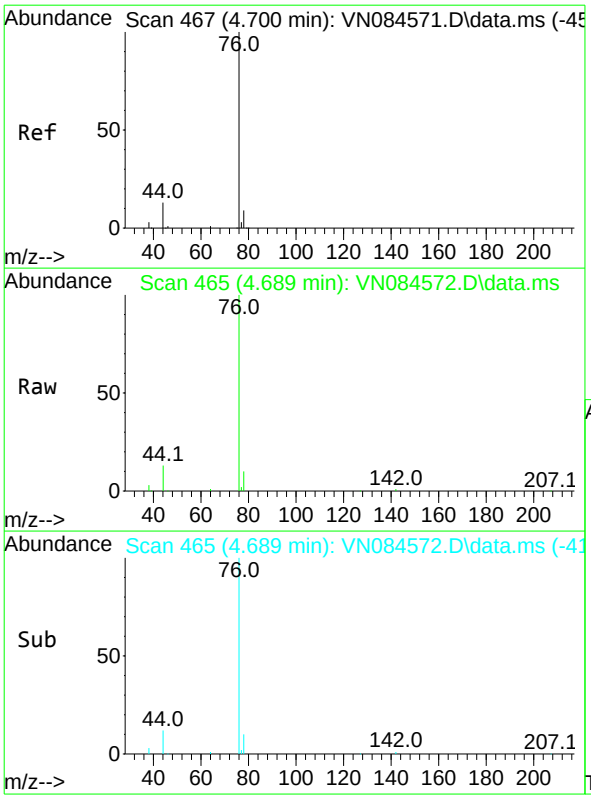


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6

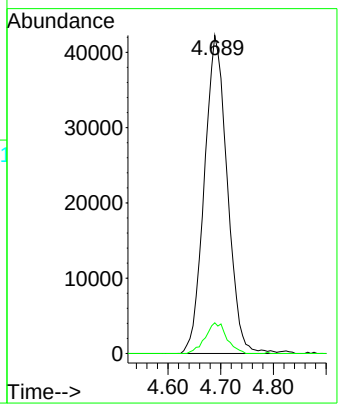




#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 127521

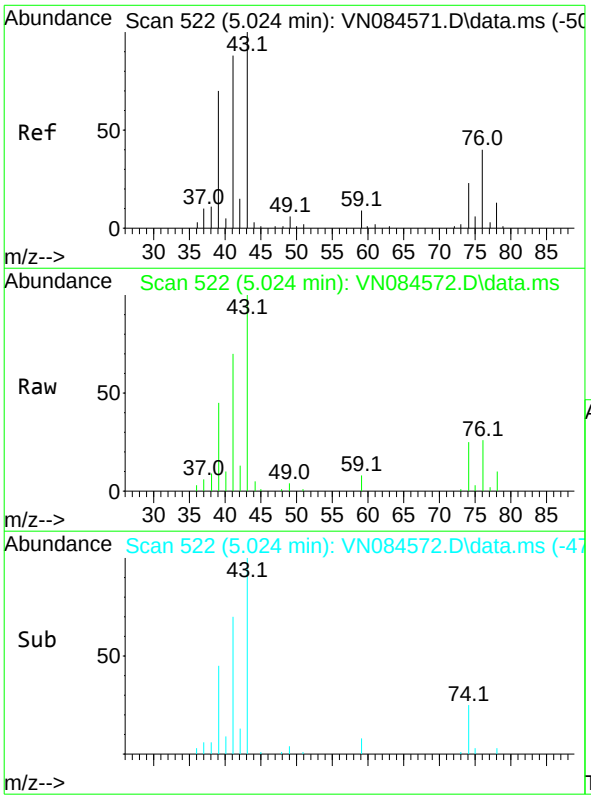
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

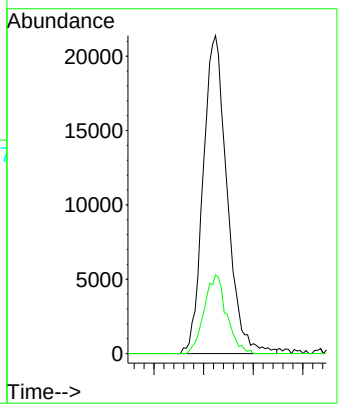
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

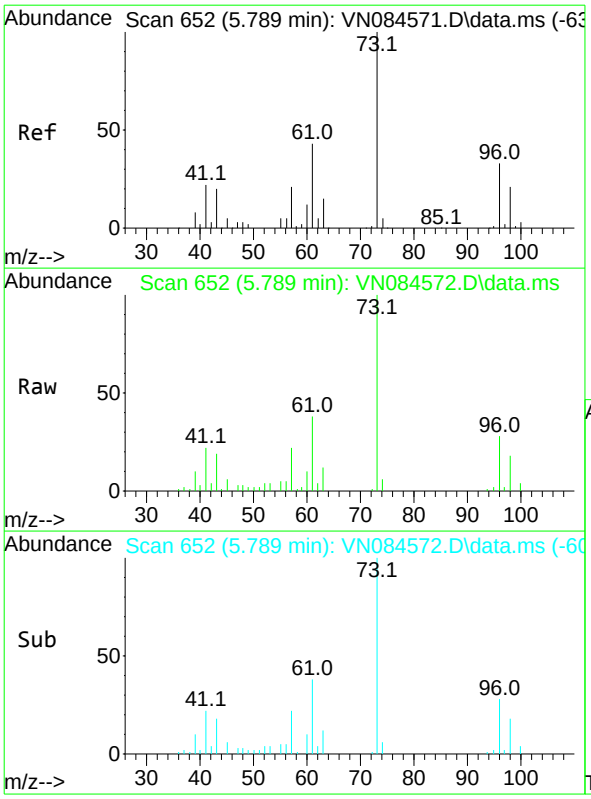


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8

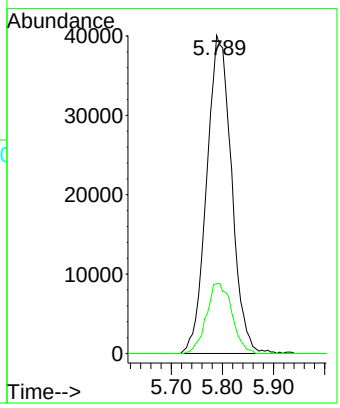




#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 73 Resp: 135170

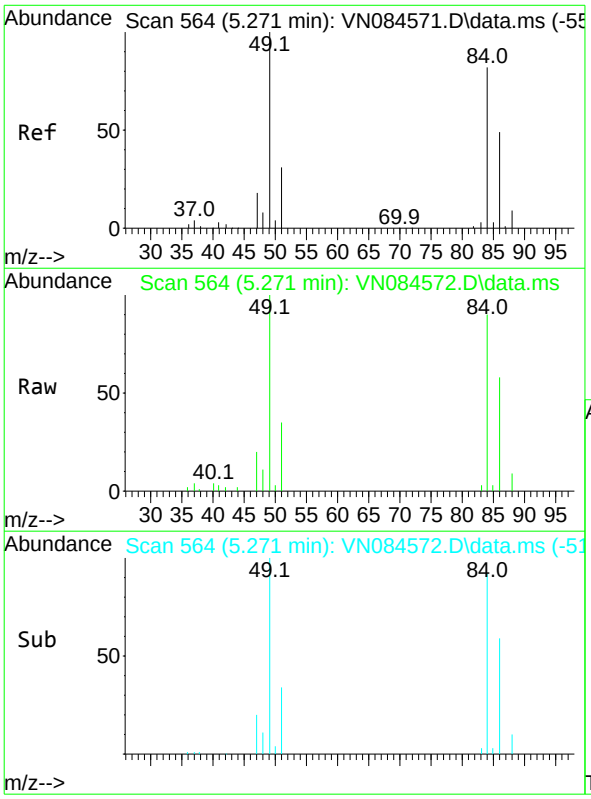
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

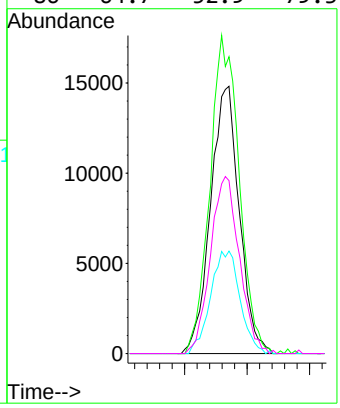
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

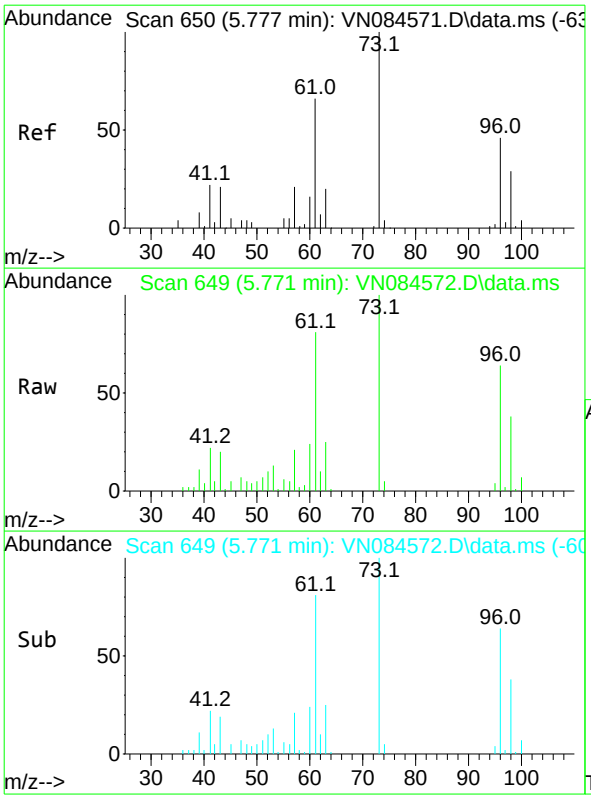


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 84 Resp: 47467

Ion	Ratio	Lower	Upper
84	100		
49	111.0	107.2	160.8
51	38.3	31.8	47.8
86	64.7	52.9	79.3

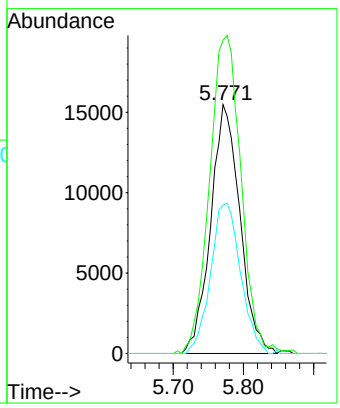




#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 44697

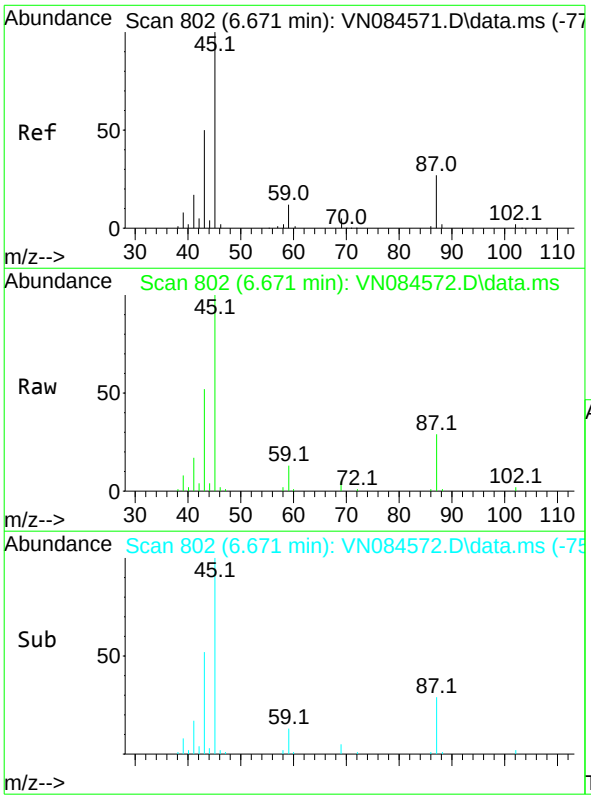
Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	59.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

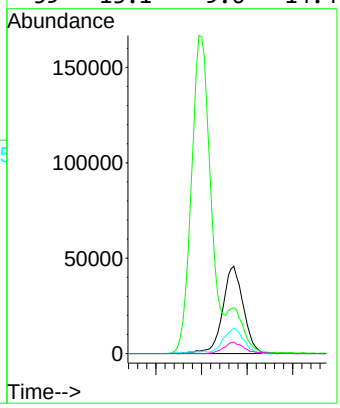
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

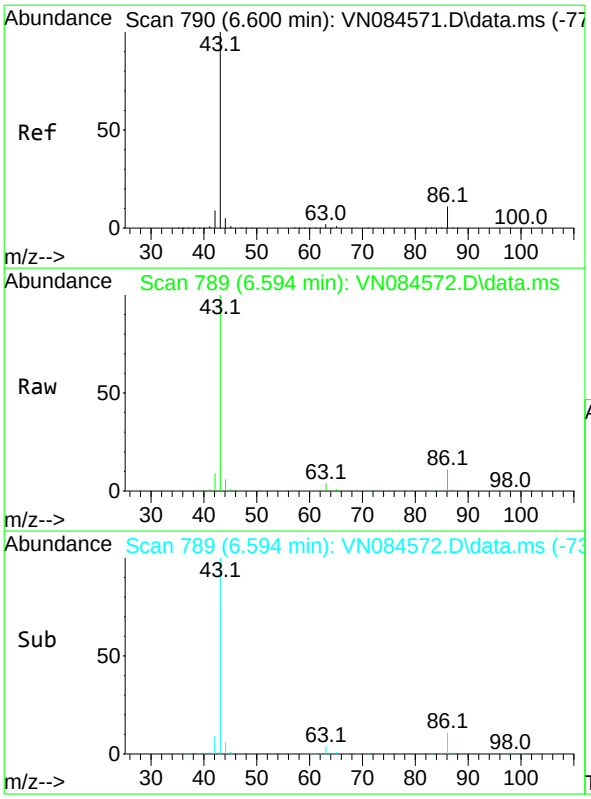


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 45 Resp: 144115

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.9	21.8	32.6
59	13.1	9.6	14.4

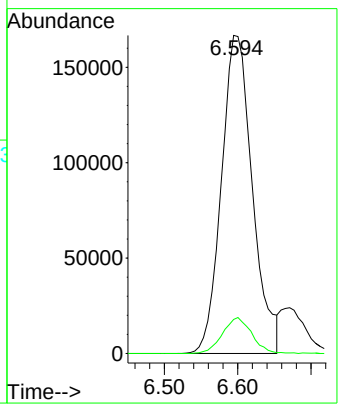




#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 490034

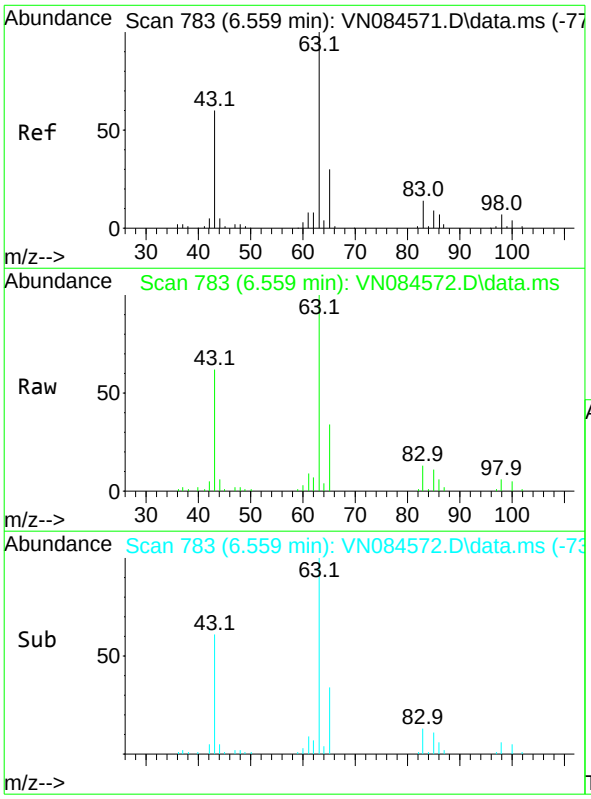
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

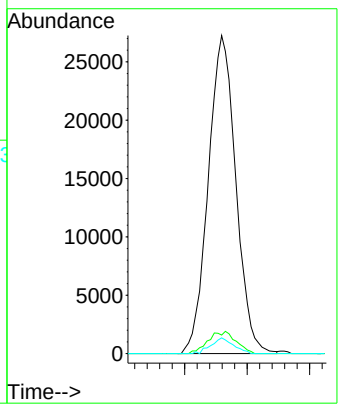
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

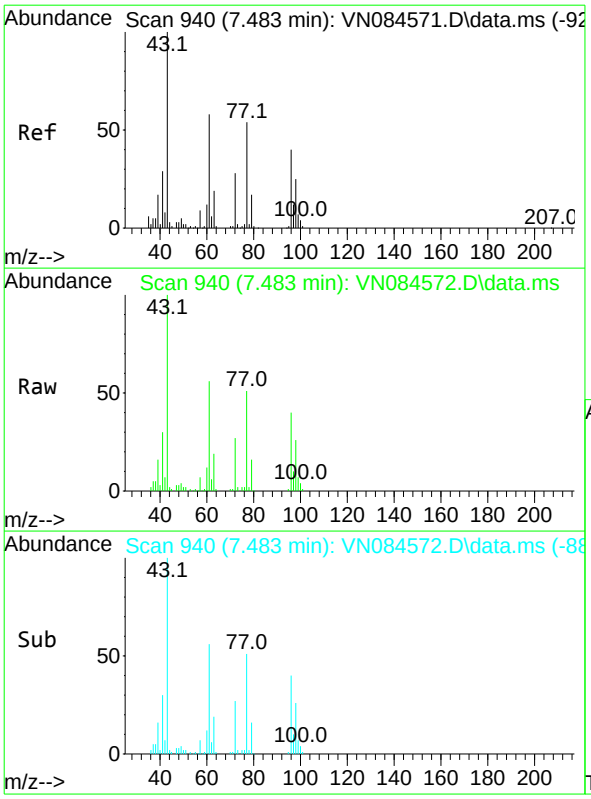


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 83555

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	4.9	2.0	5.8

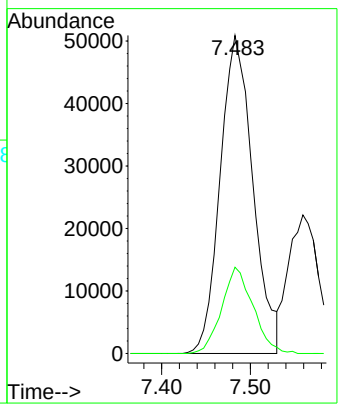




#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 130541

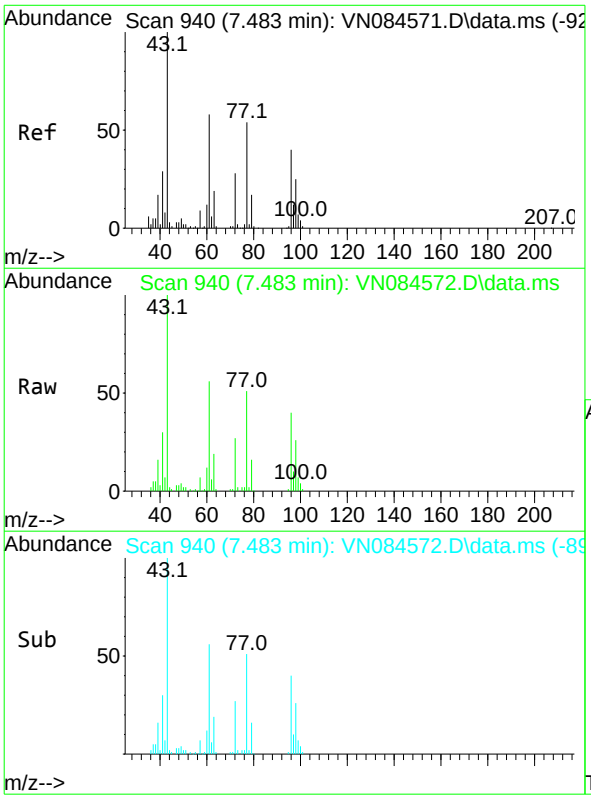
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

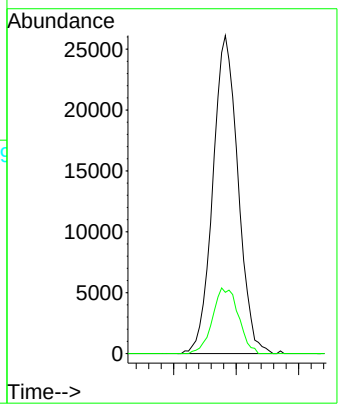
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

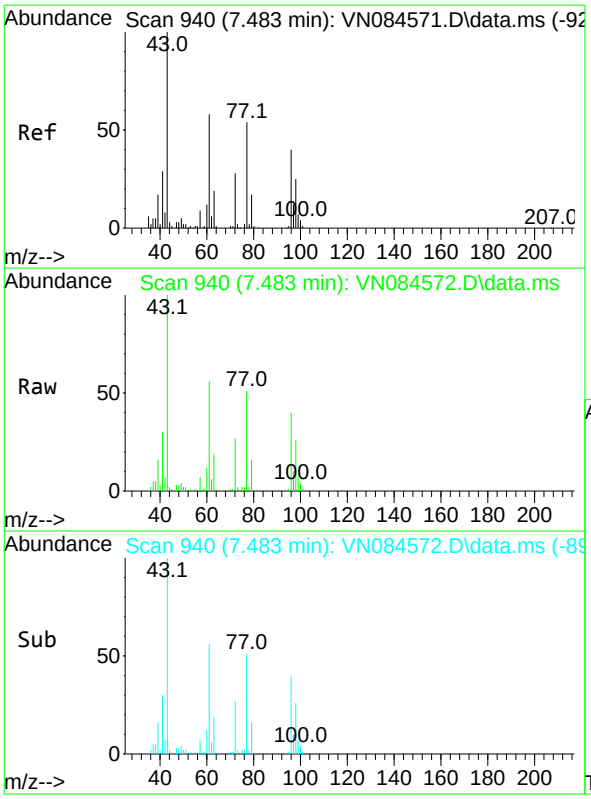


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3

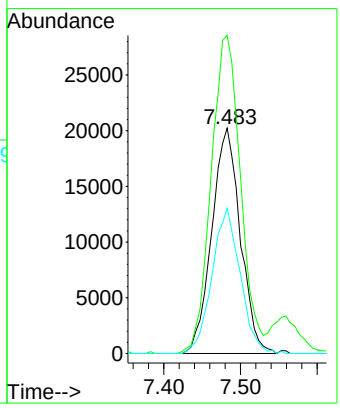




#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 52279

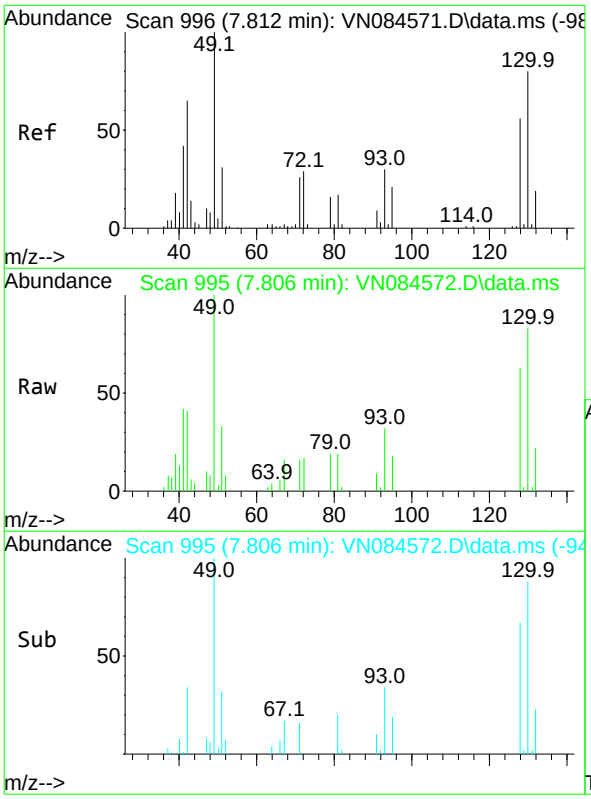
Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

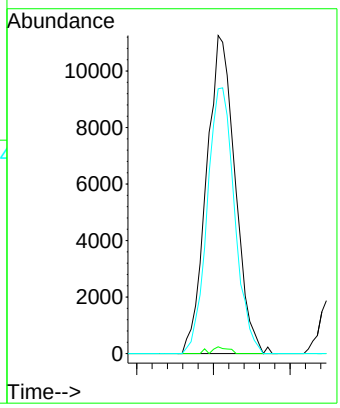
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

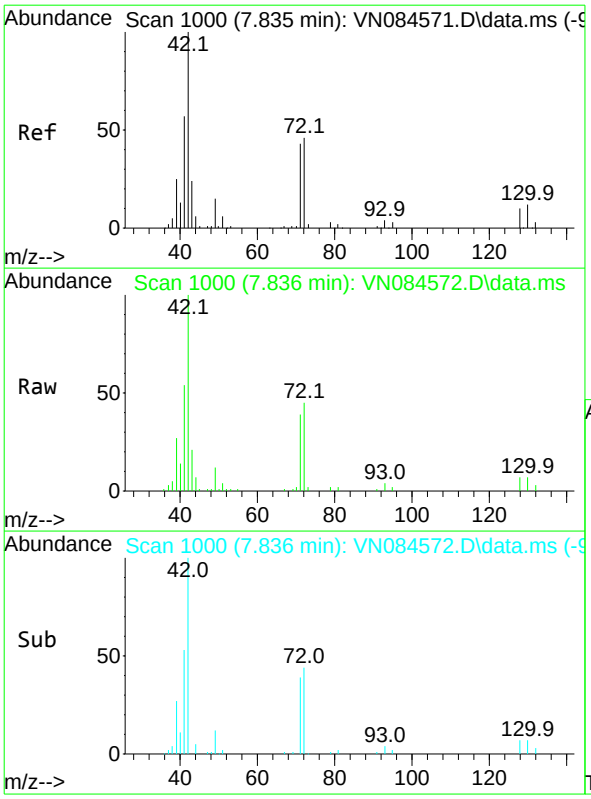


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 49 Resp: 29146

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	79.9	58.0	87.0

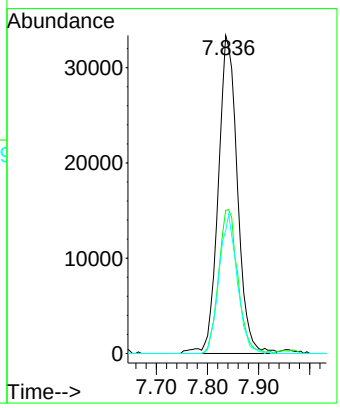




#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 42 Resp: 86837

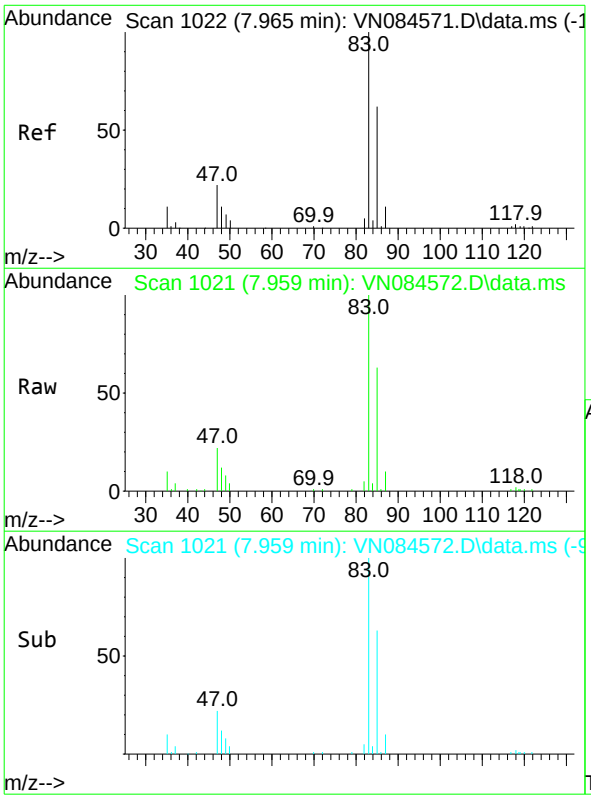
Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	41.5	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

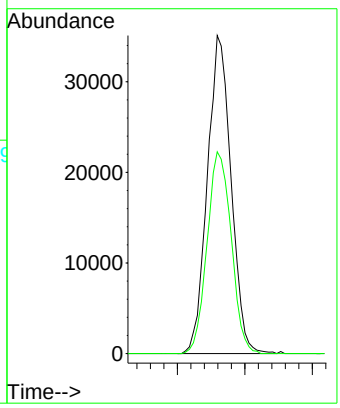
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

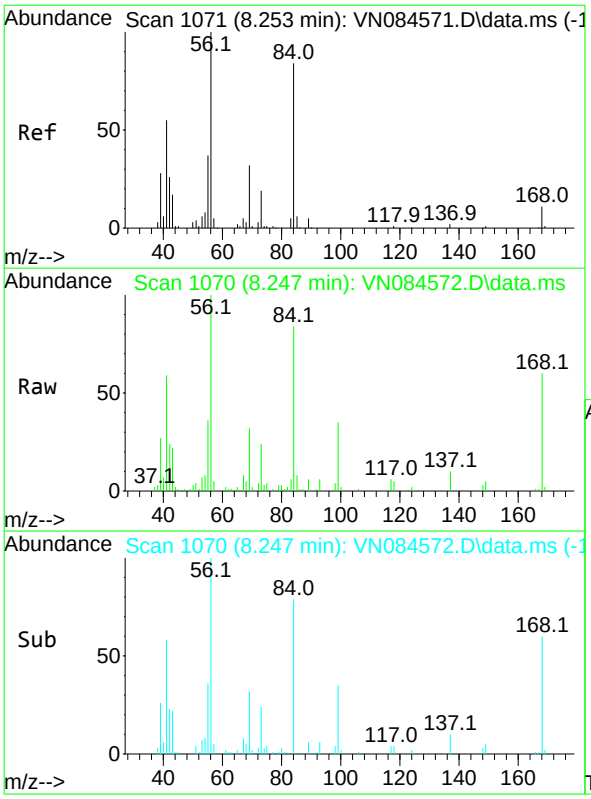


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

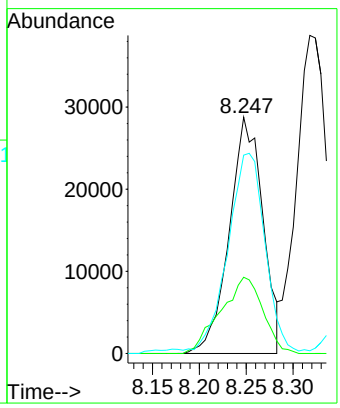




#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 71698

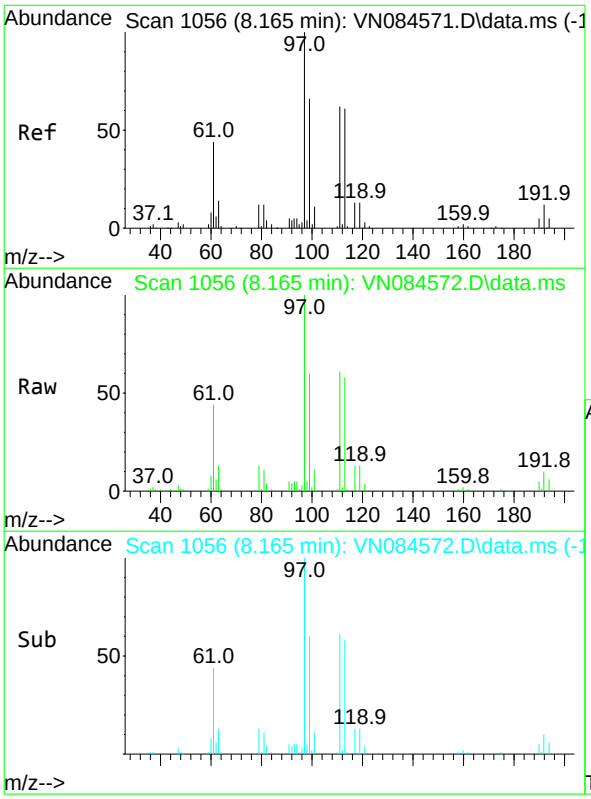
Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.6
84	82.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

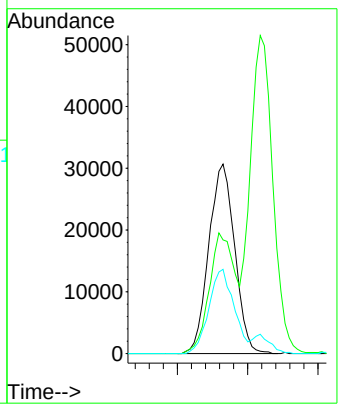
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

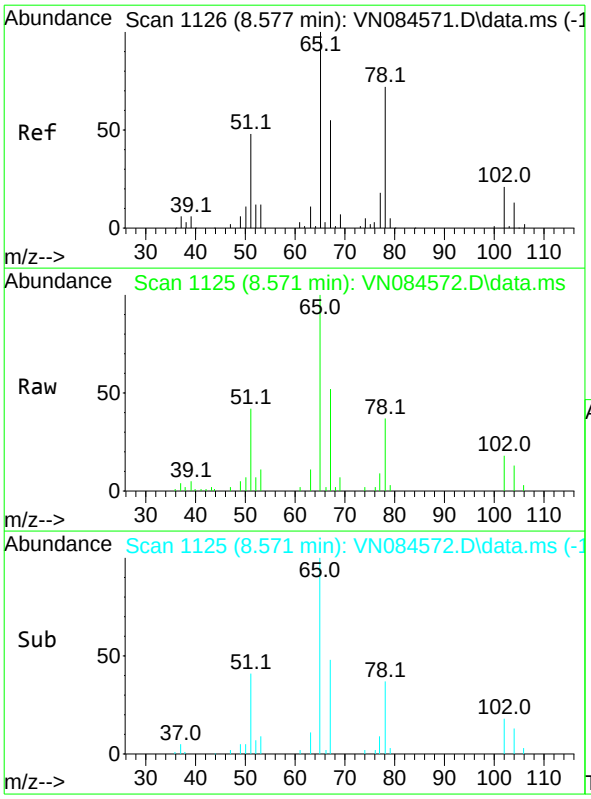


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 78458

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	43.3	37.5	56.3

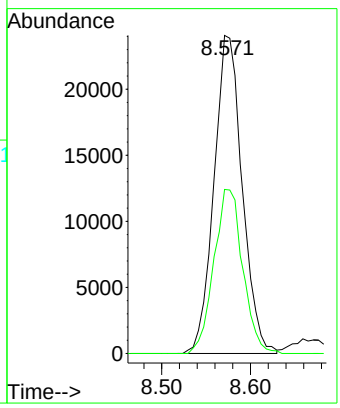




#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 65 Resp: 53102

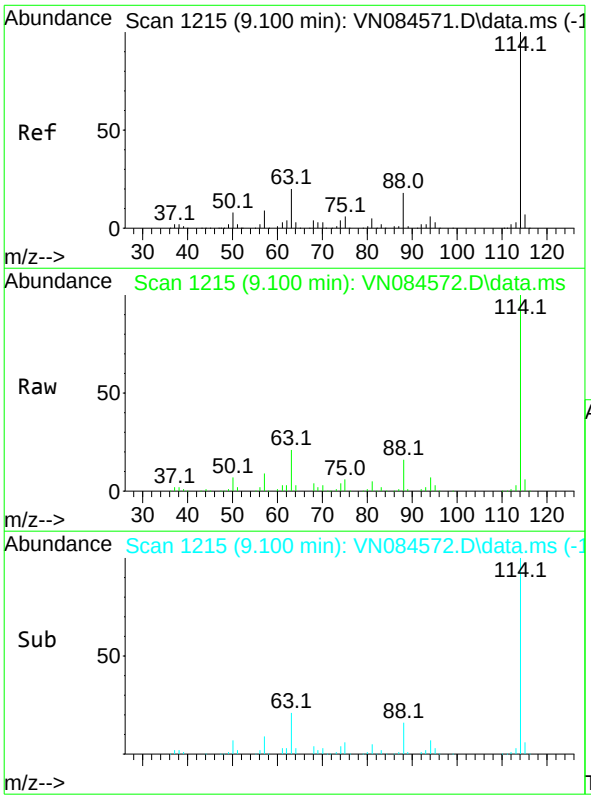
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

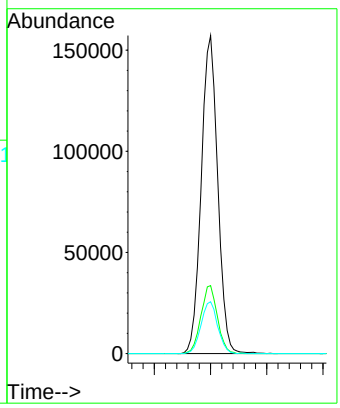
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

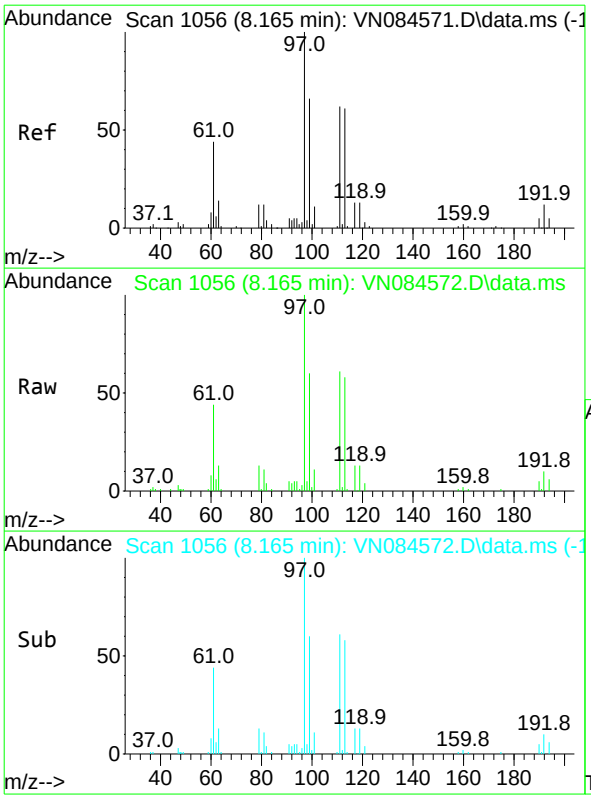


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:114 Resp: 319890

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6

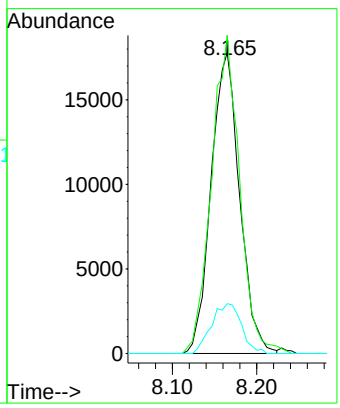




#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:113 Resp: 41686

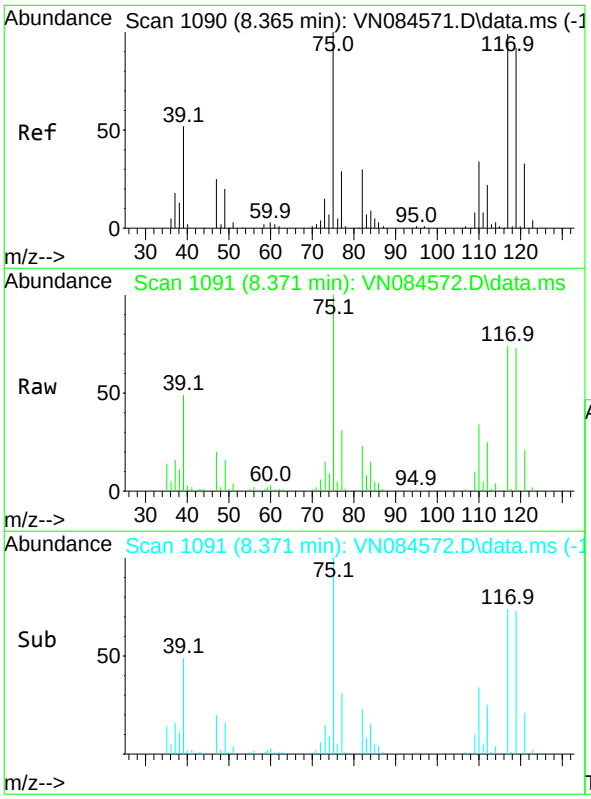
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	17.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

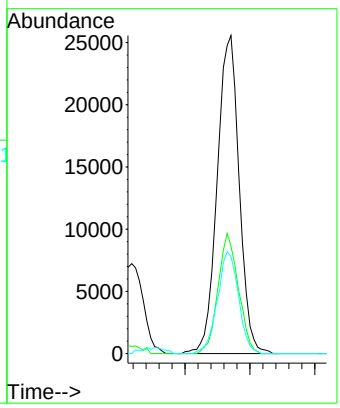
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

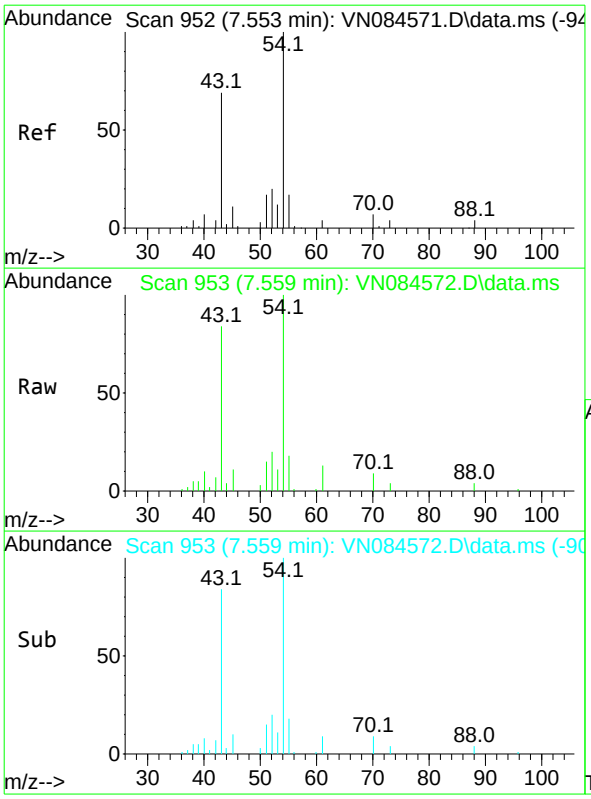


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 60208

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.9	24.7	37.1

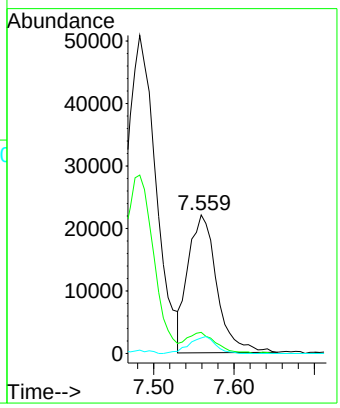




#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 54942

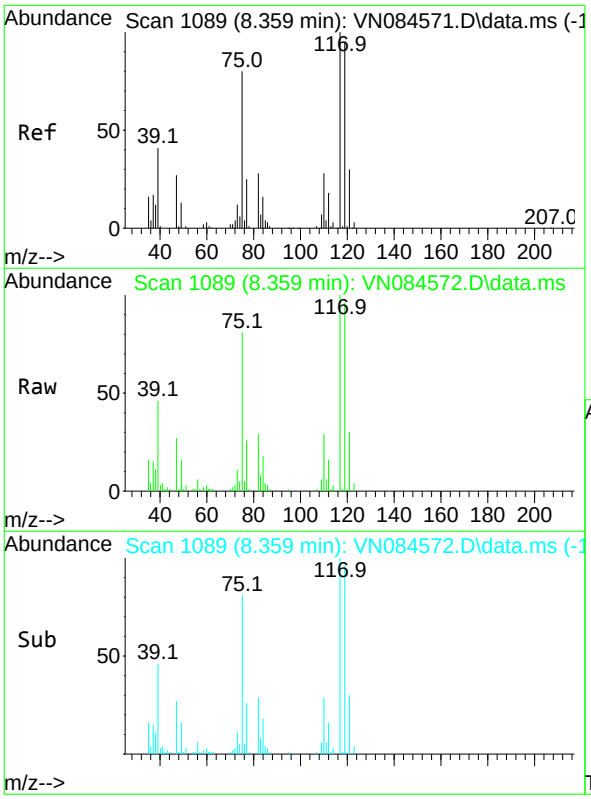
Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

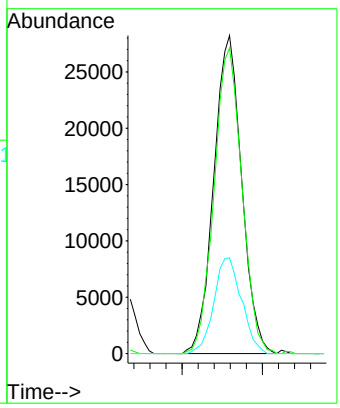
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

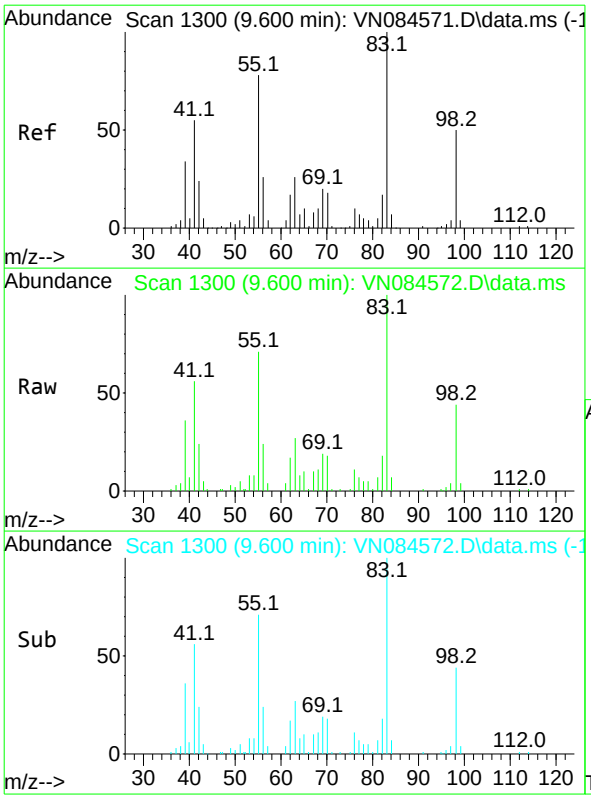


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 68076

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	30.1	24.4	36.6

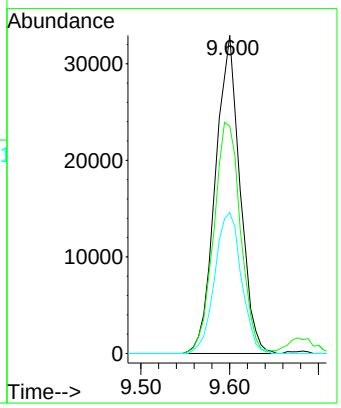




#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 63305

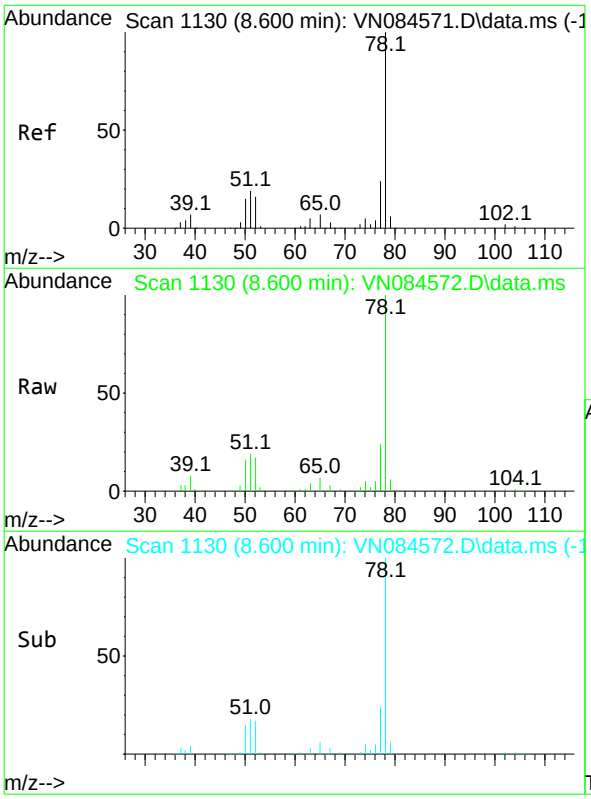
Ion	Ratio	Lower	Upper
83	100		
55	71.5	62.8	94.2
98	44.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

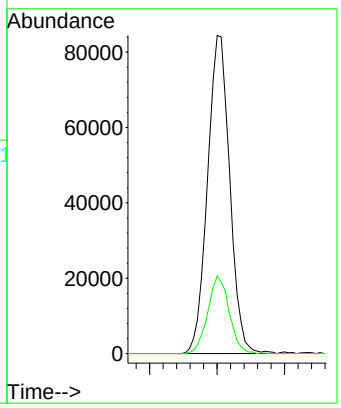
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

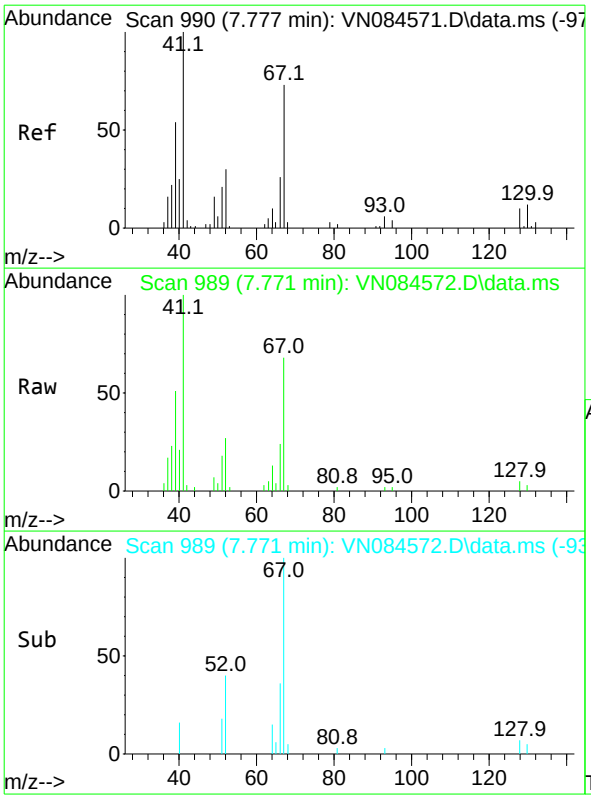


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7

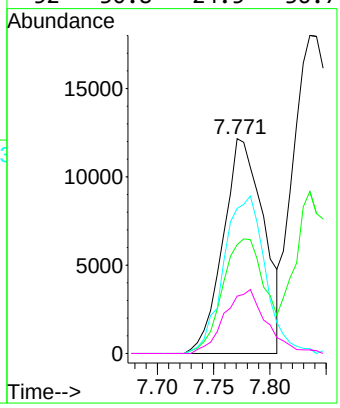




#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 30596

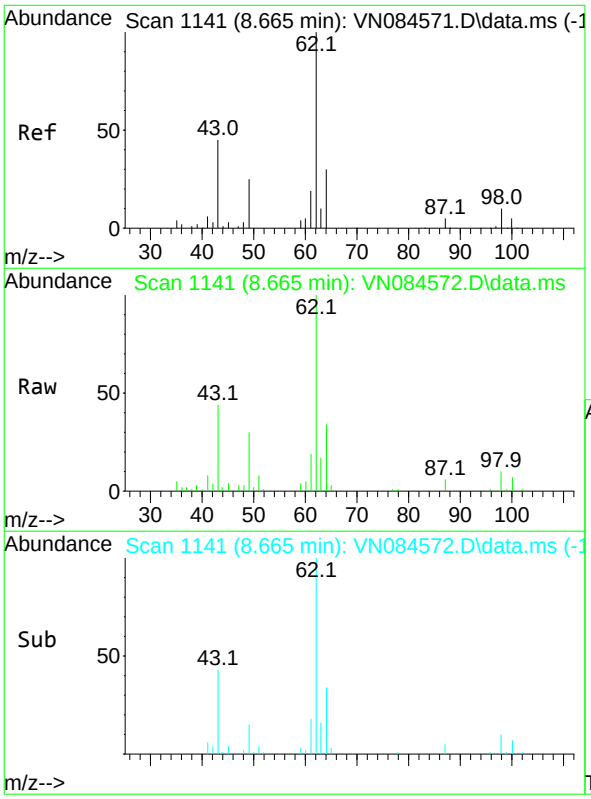
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	74.5	56.1	84.1
52	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

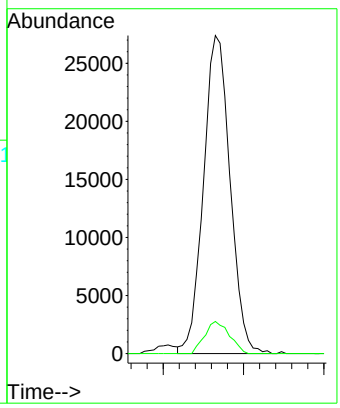
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

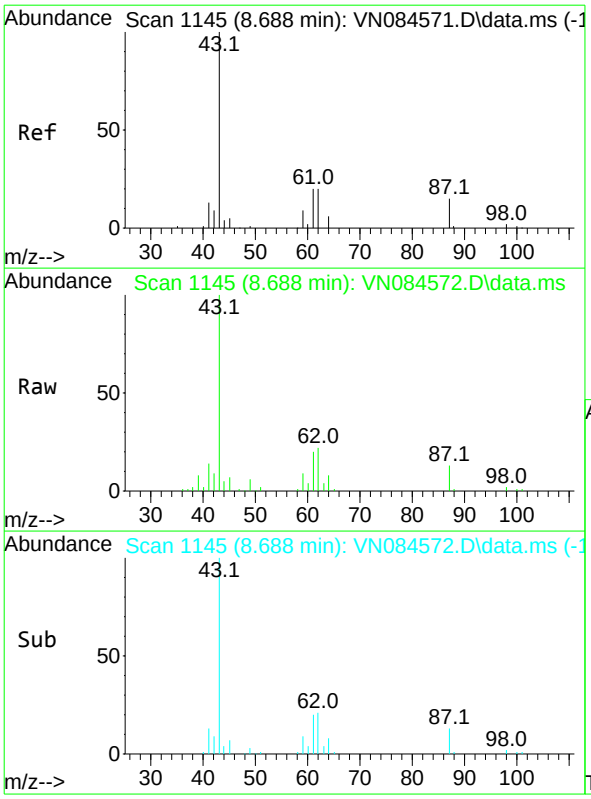


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

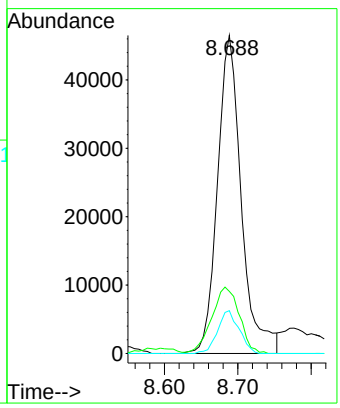
Tgt Ion: 43 Resp: 104951

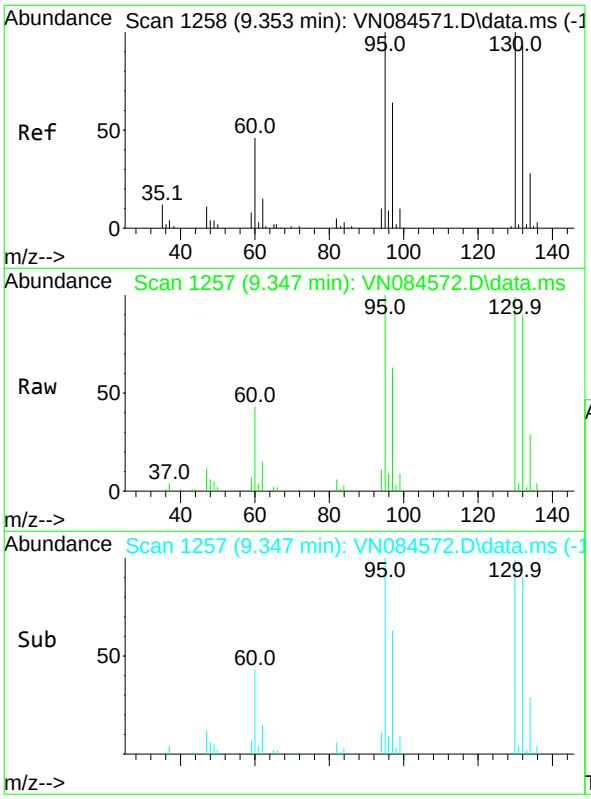
Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

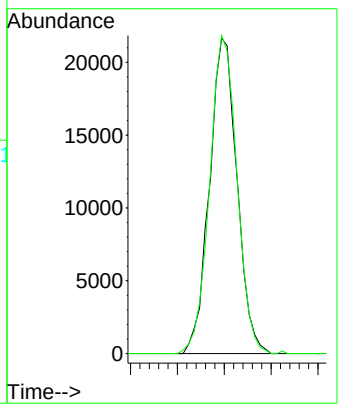


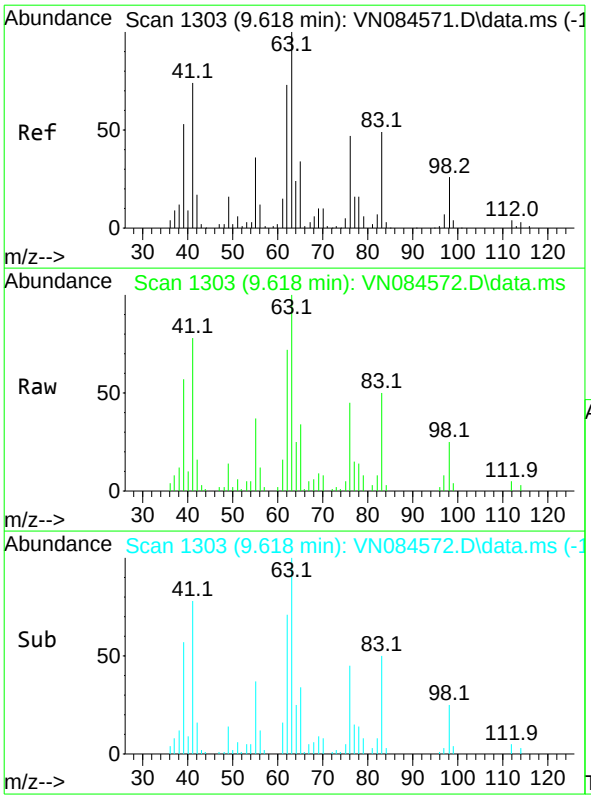


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0

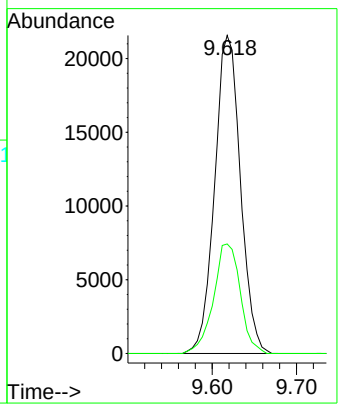




#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 45764

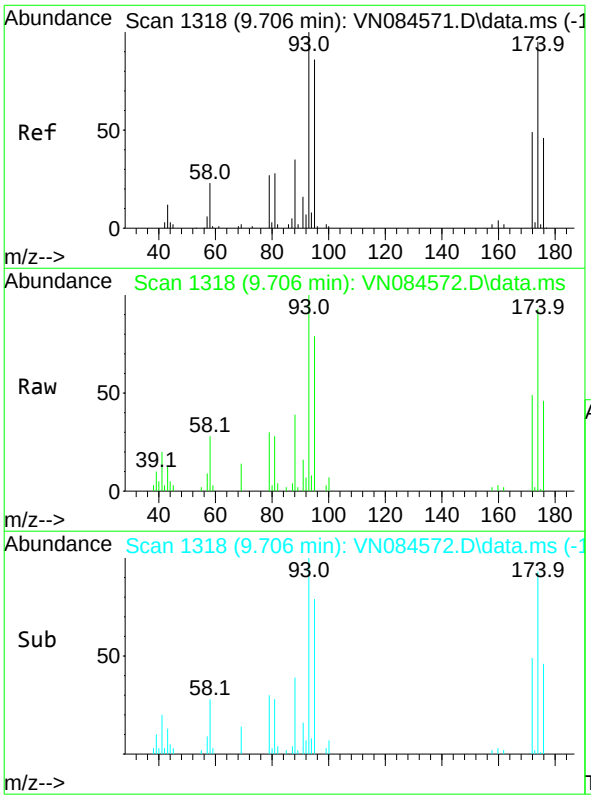
Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

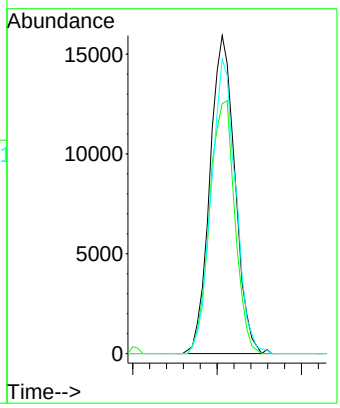
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

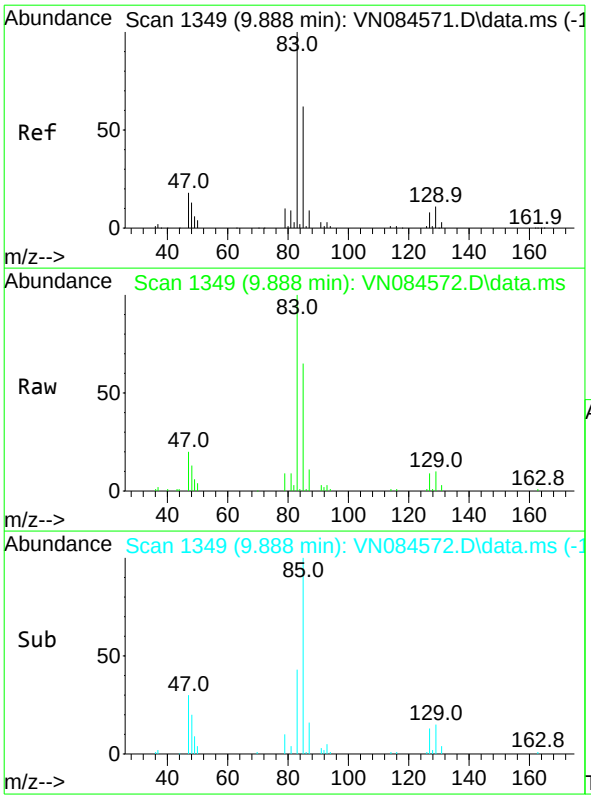


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 93 Resp: 32857

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.0	97.4
174	90.6	71.8	107.8

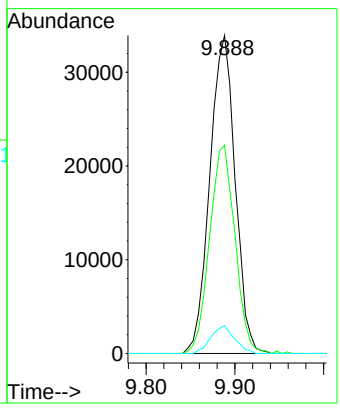




#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 67288

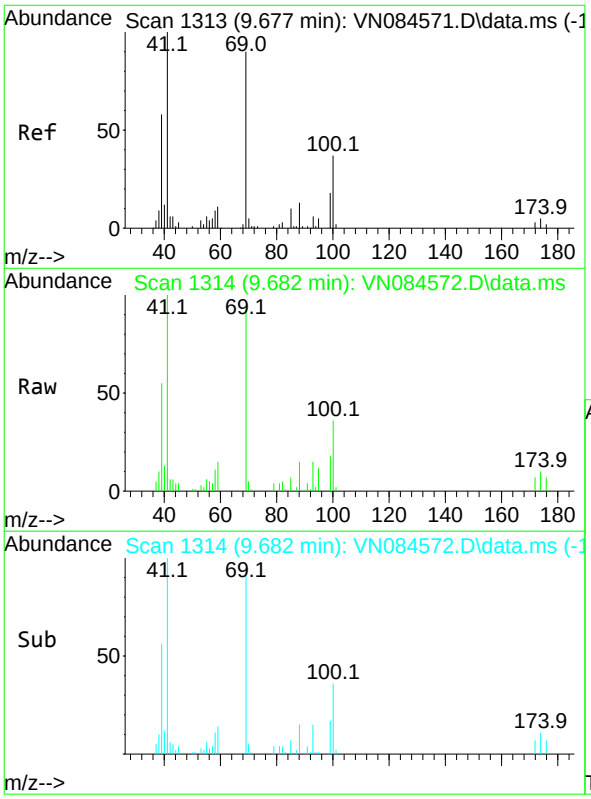
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	8.7	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

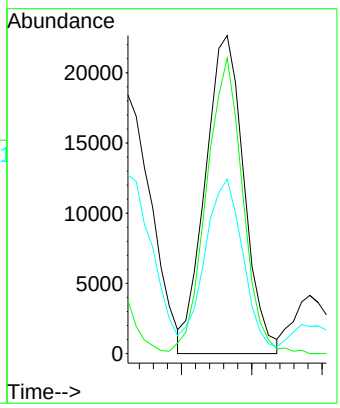
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

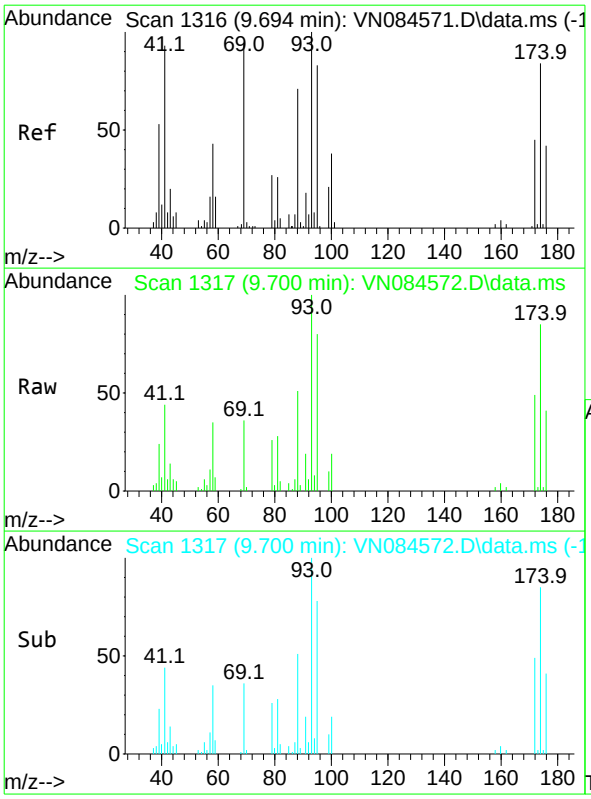


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 43398

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.1	45.8	68.6

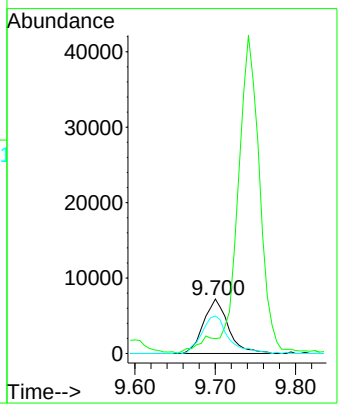




#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 88 Resp: 15417

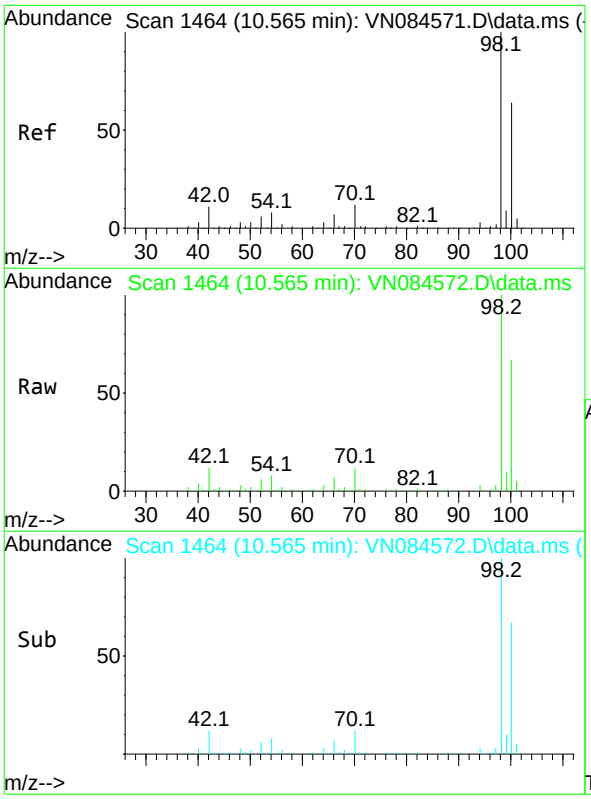
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

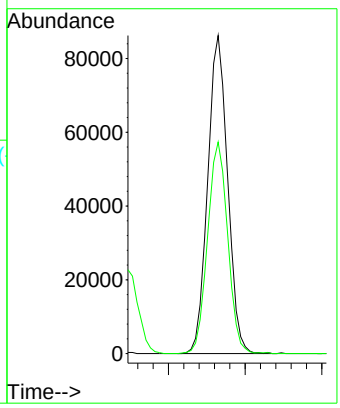
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

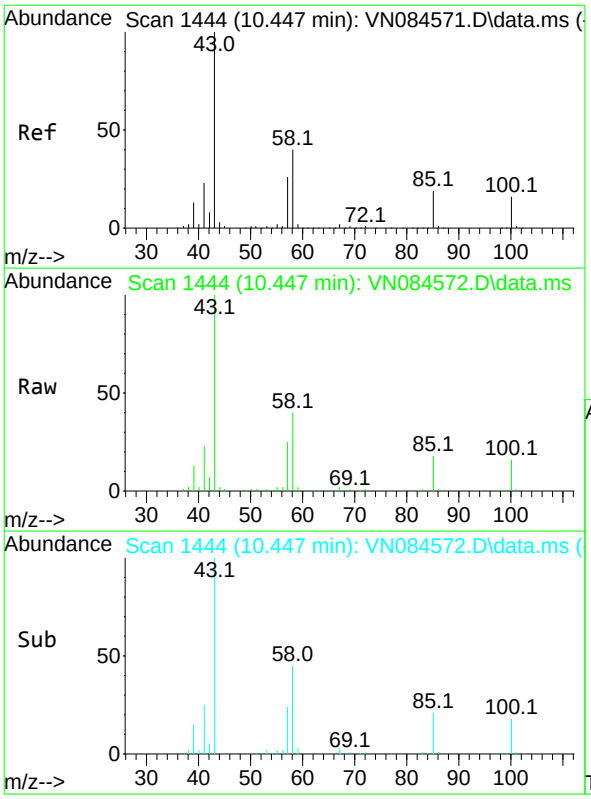


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1

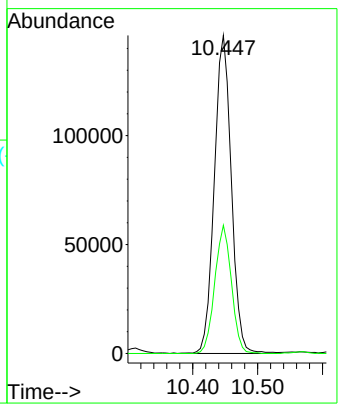




#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 266010

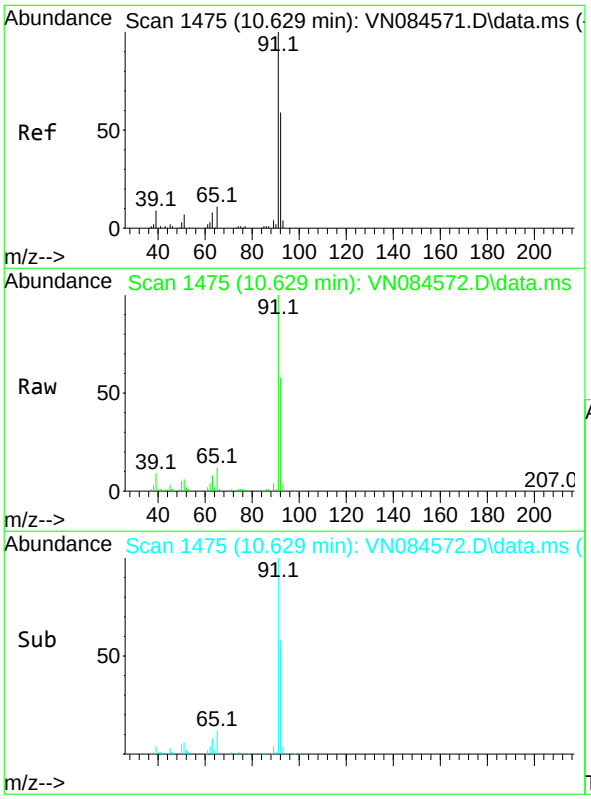
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

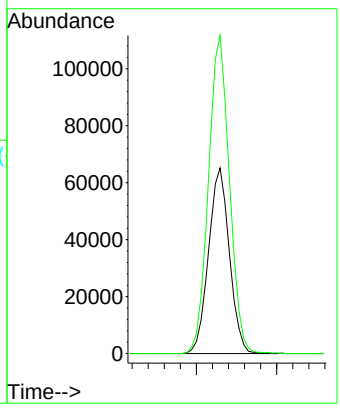
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

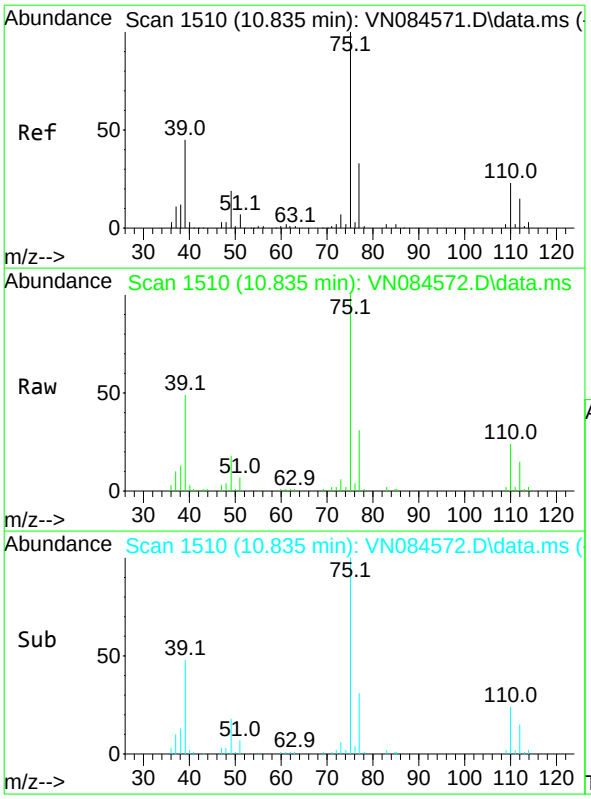


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9

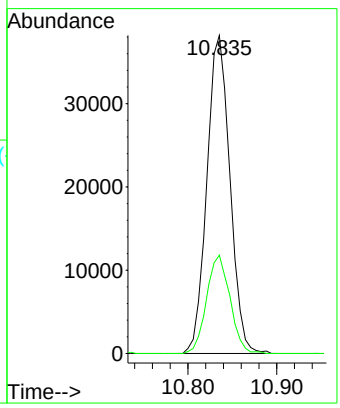




#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 68847

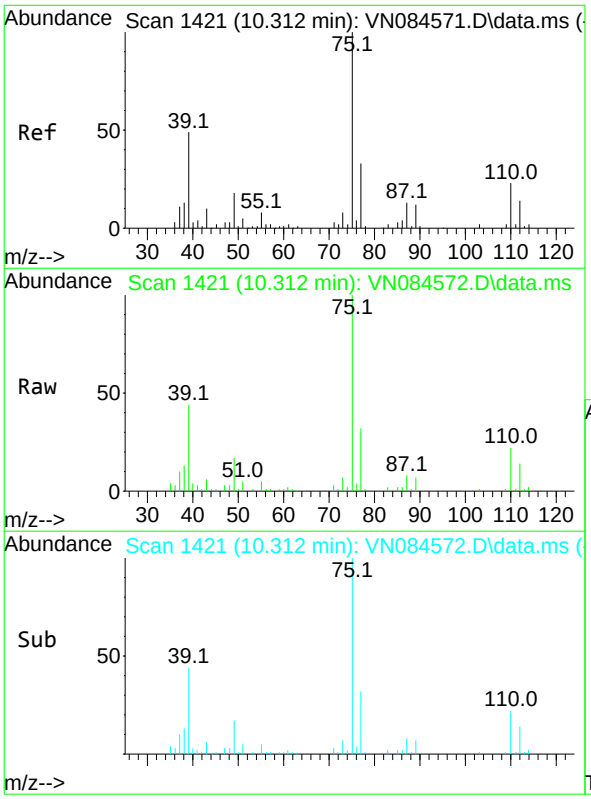
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

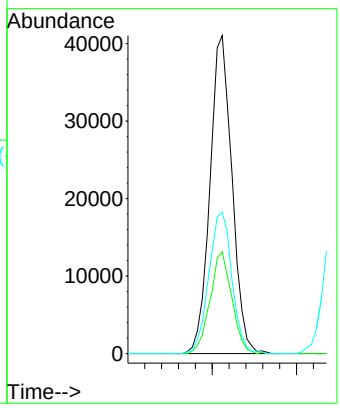
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

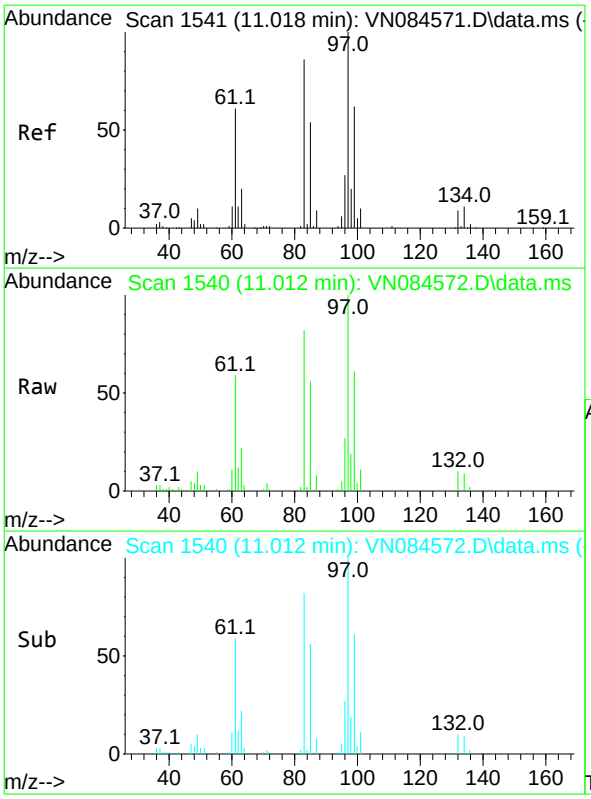


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 74498

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	44.3	38.7	58.1

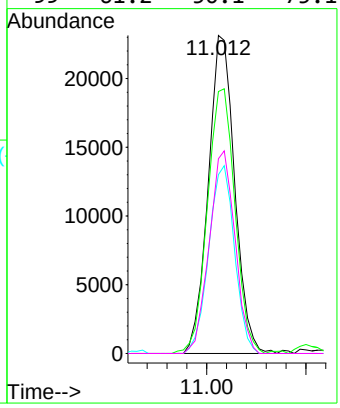




#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 42791

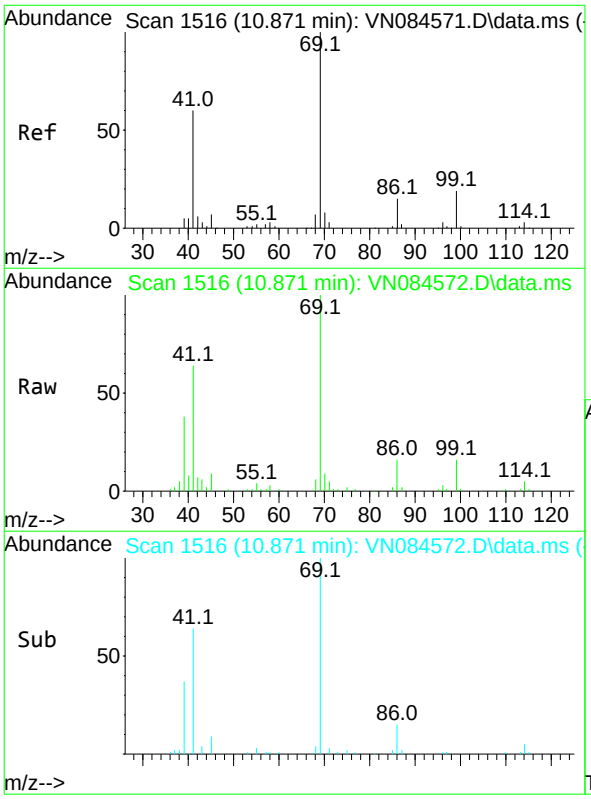
Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	56.2	41.7	62.5
99	61.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

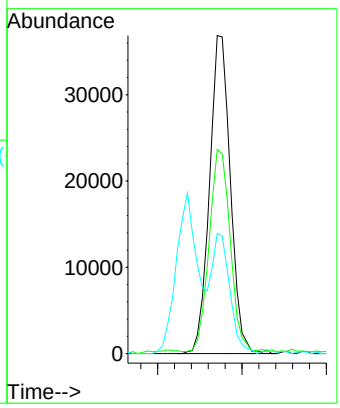
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

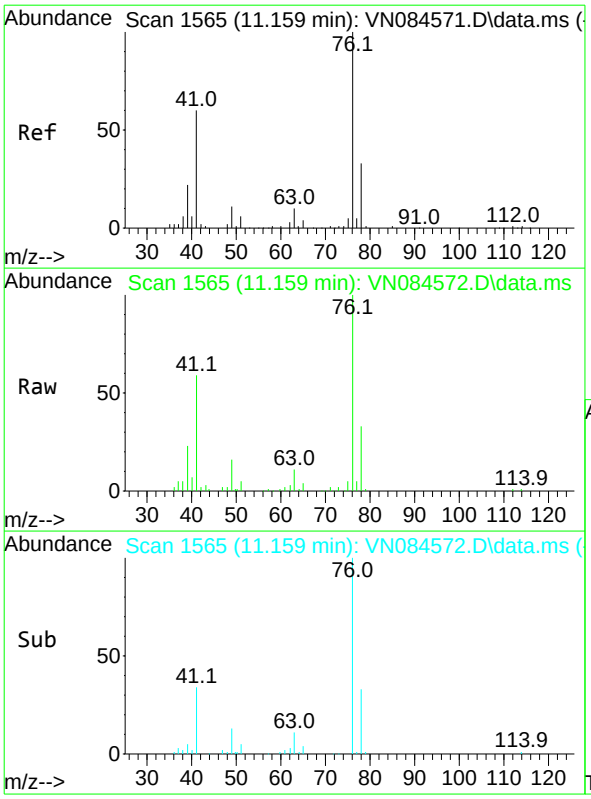


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 69 Resp: 63347

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.3	79.9
39	31.9	28.8	43.2

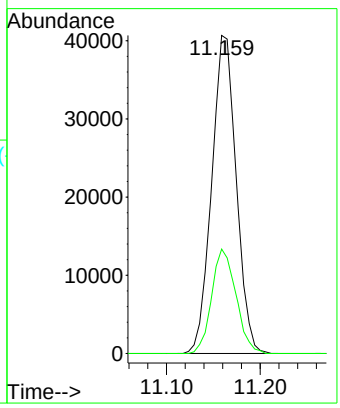




#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 74082

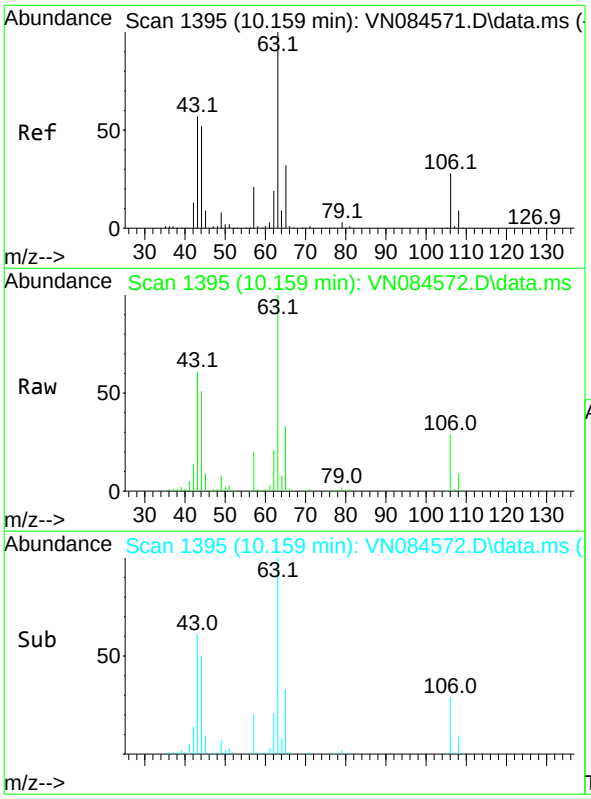
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

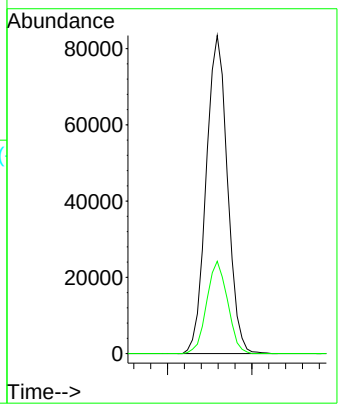
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

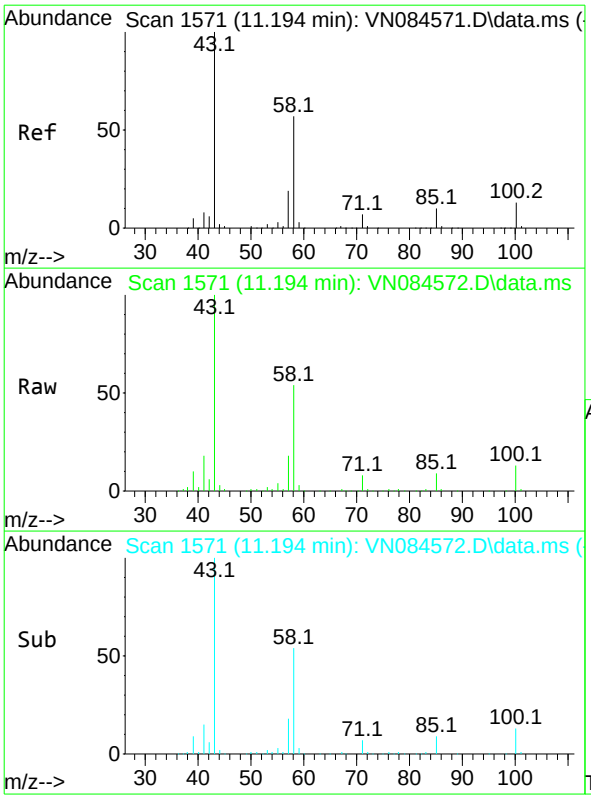


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

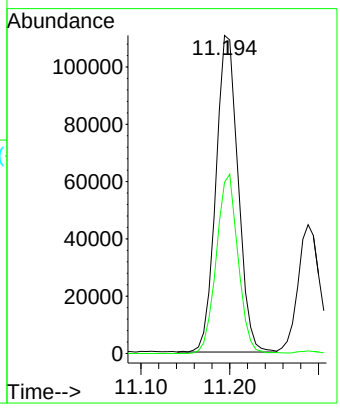




#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 192335

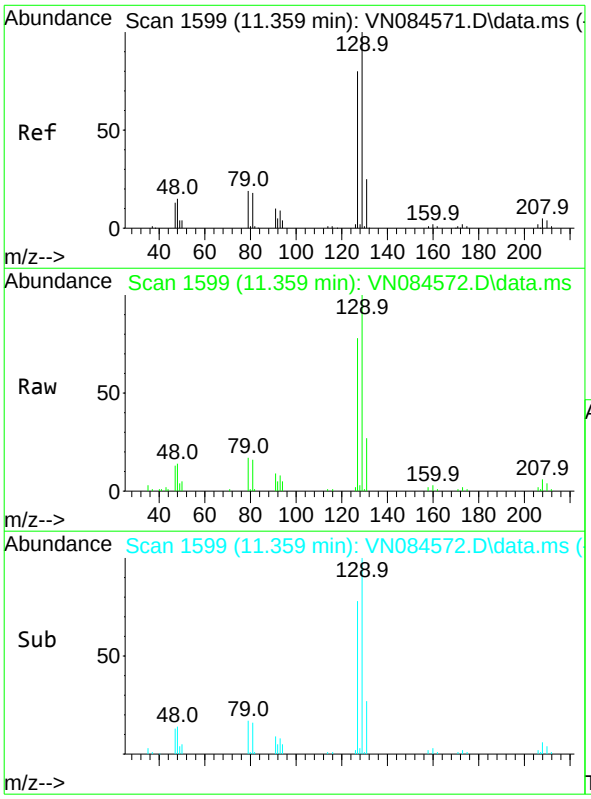
Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

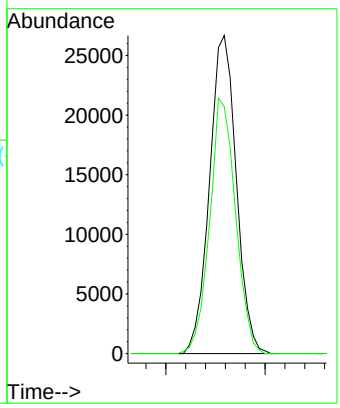
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

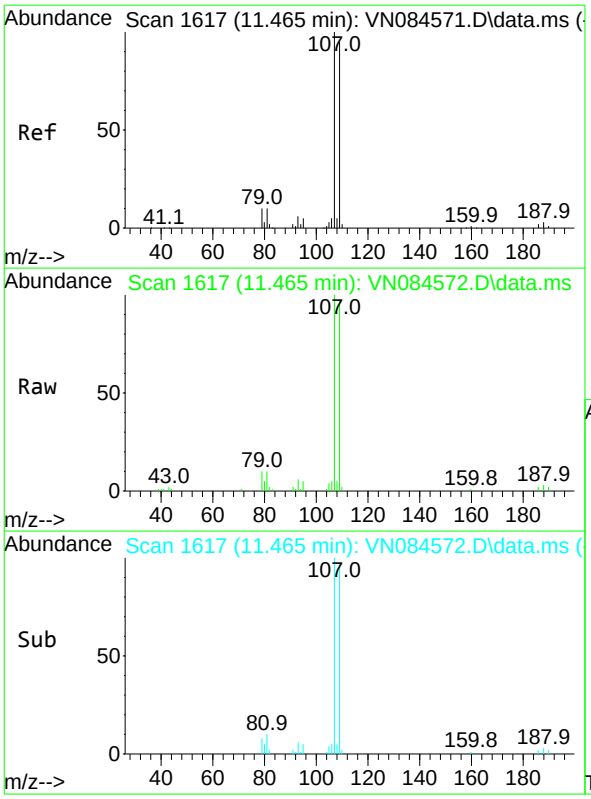


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9

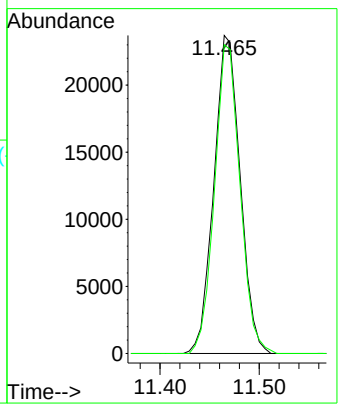




#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:107 Resp: 43666

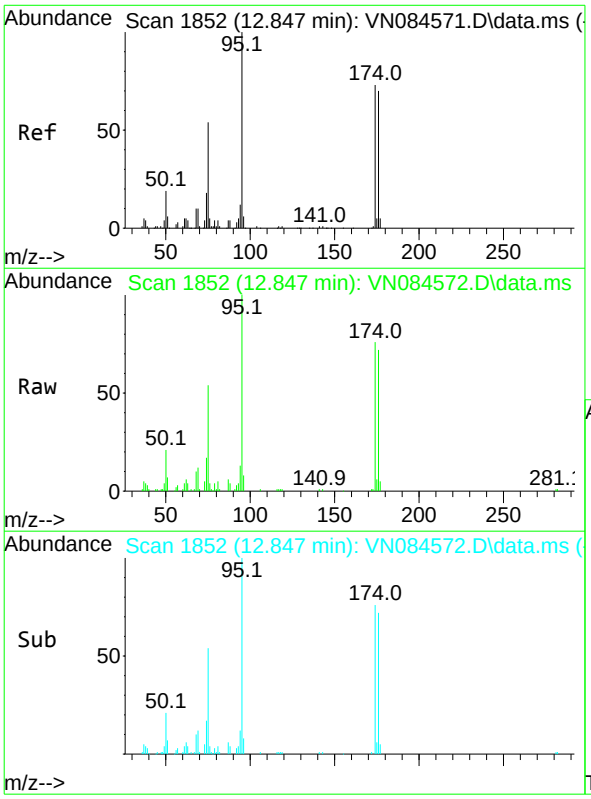
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

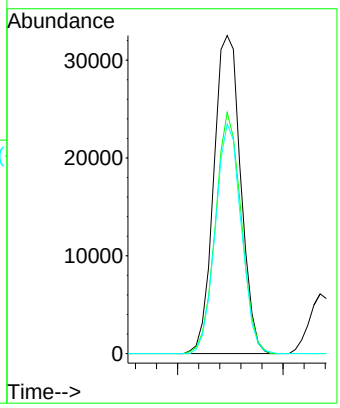
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

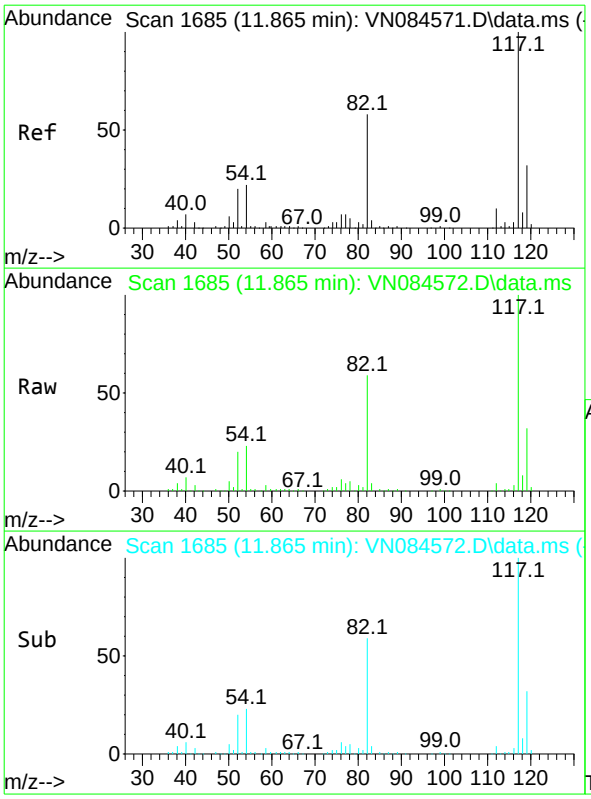


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 95 Resp: 57622

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	69.4	0.0	140.0

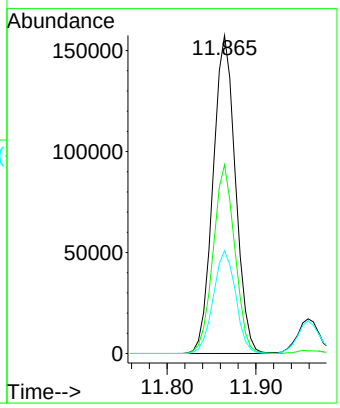




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 275857

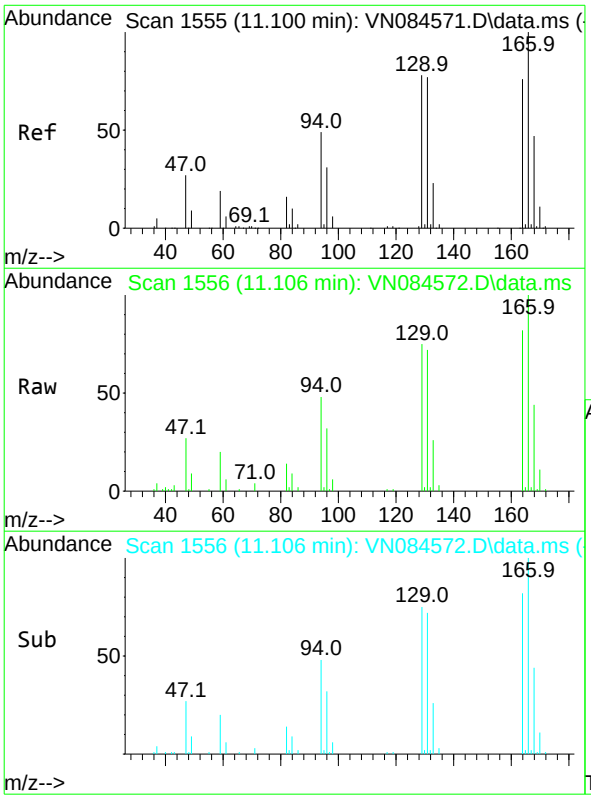
Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

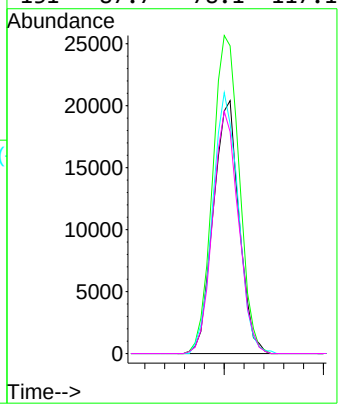
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

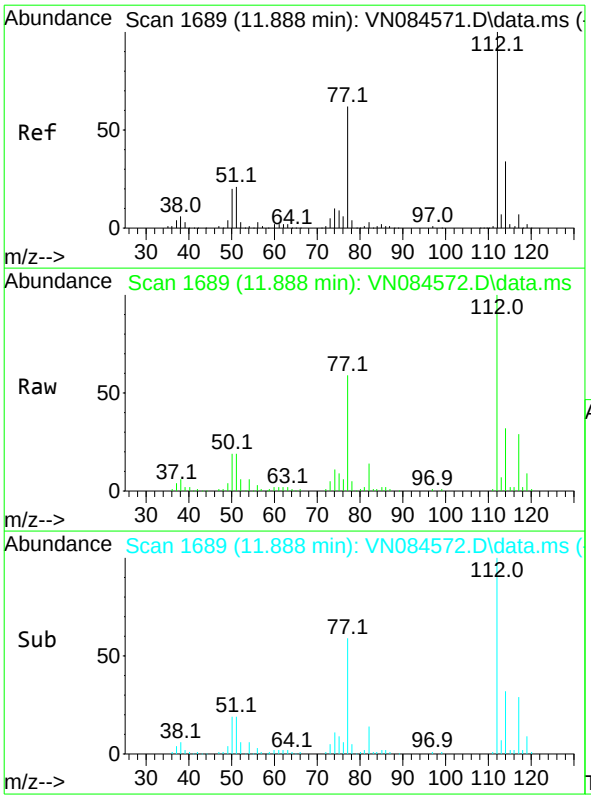


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:164 Resp: 36798

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	90.9	80.8	121.2
131	87.7	78.1	117.1

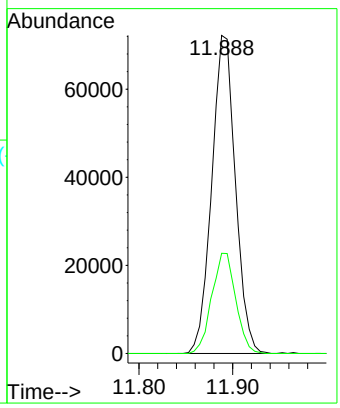




#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:112 Resp: 126753

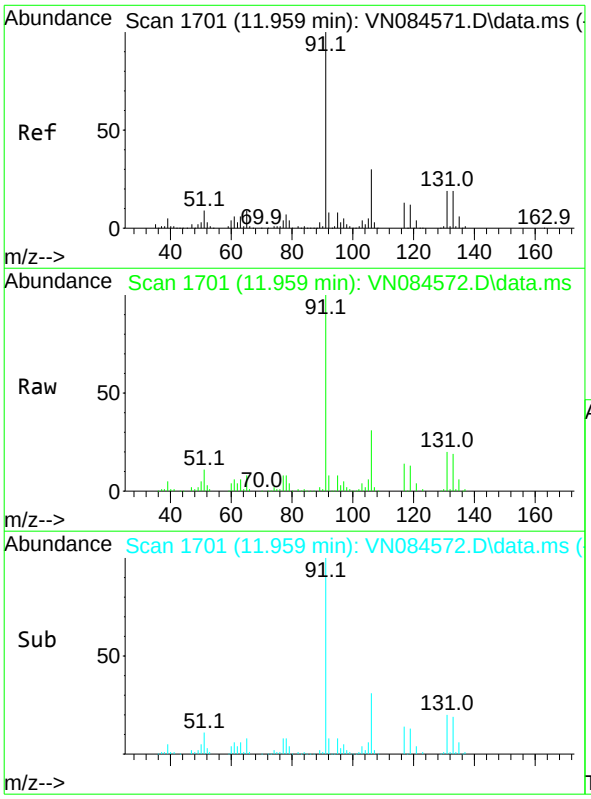
Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

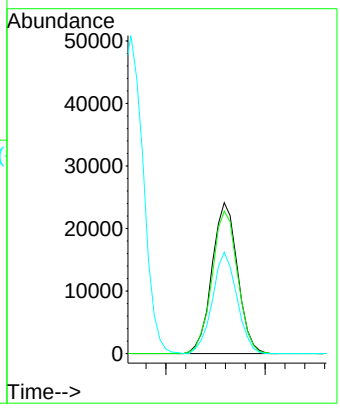
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

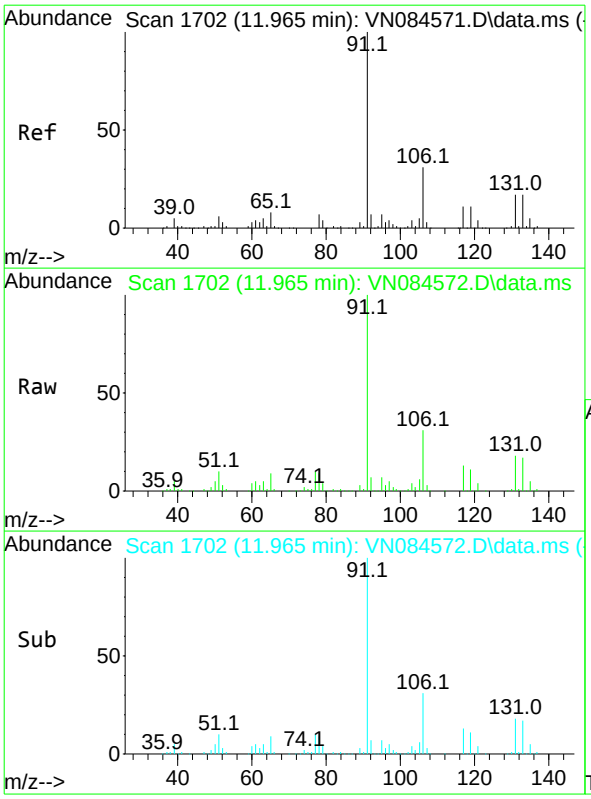


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:131 Resp: 43201

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.3	32.8	98.3

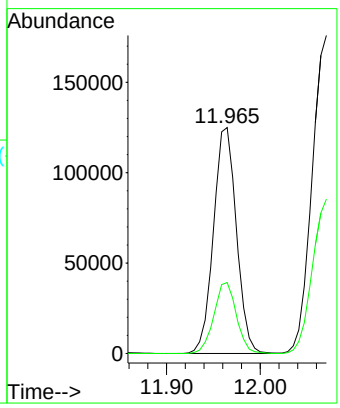




#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 212737

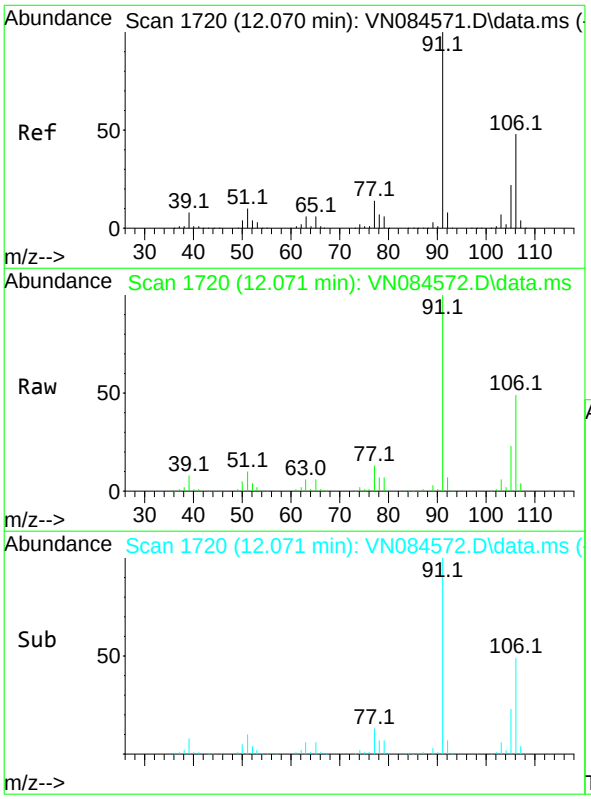
Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

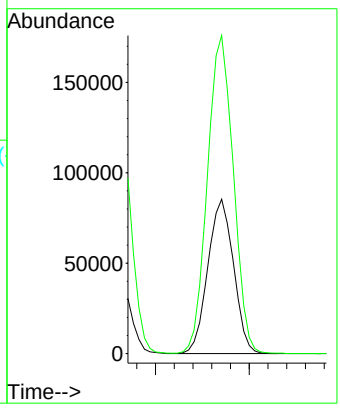
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

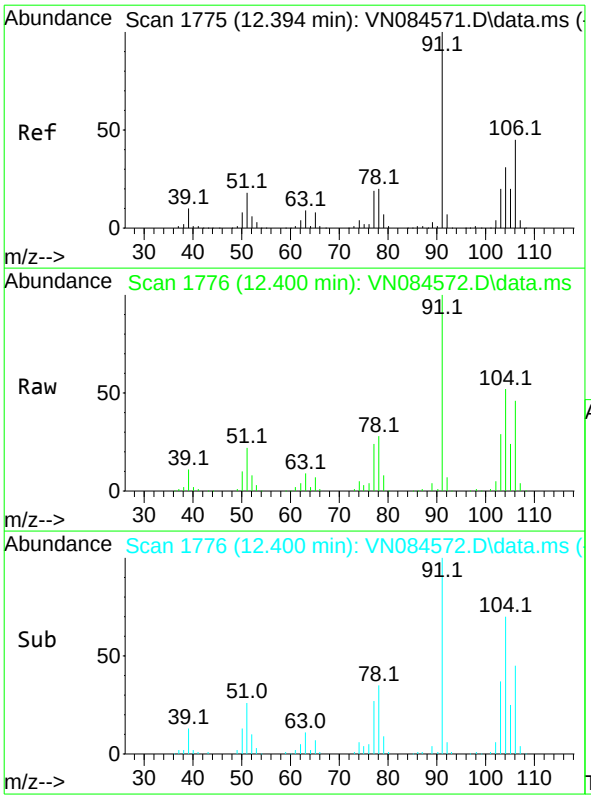


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7

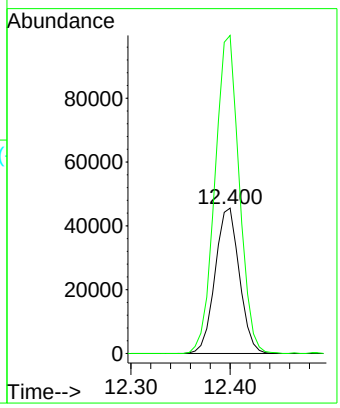




#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 77396

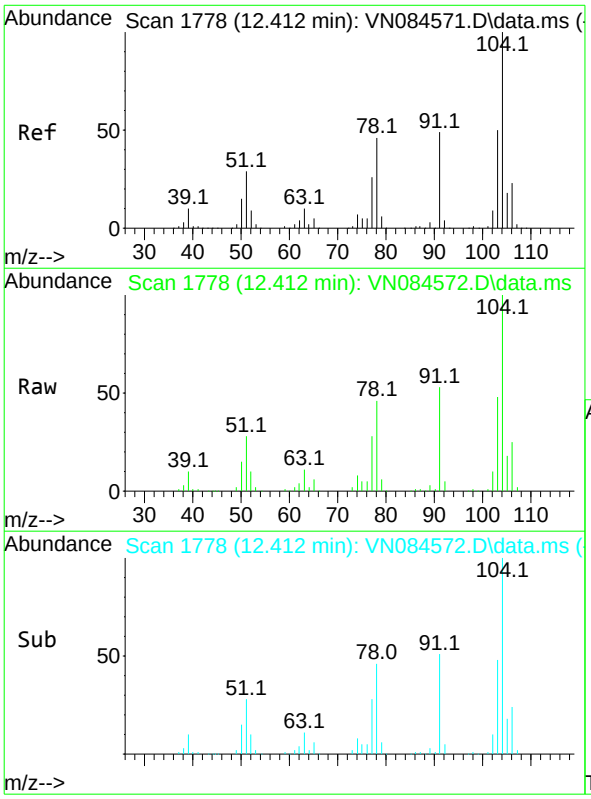
Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

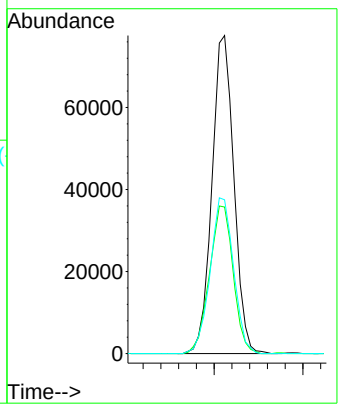
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

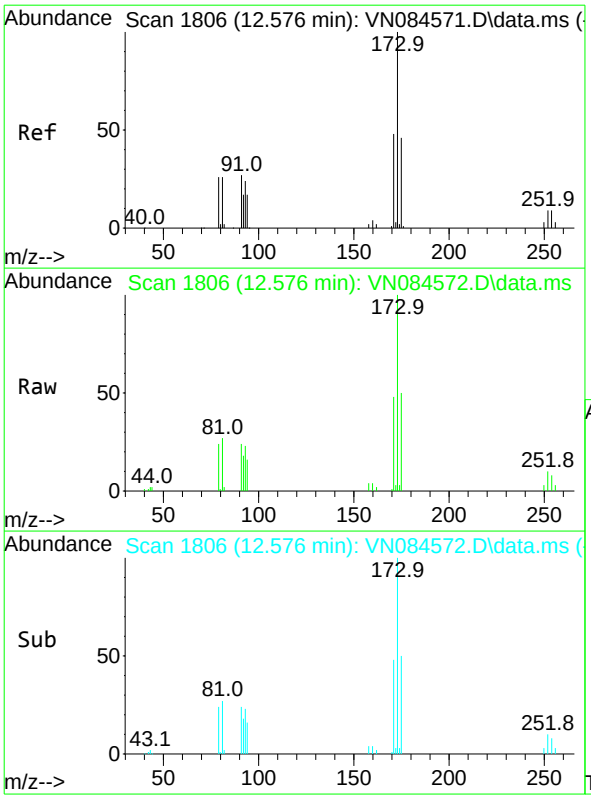


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:104 Resp: 133059

Ion	Ratio	Lower	Upper
104	100		
78	50.1	42.7	64.1
103	52.2	43.6	65.4

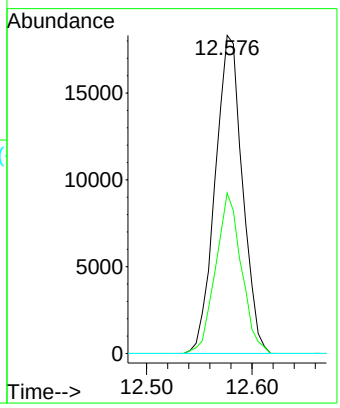




#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:173 Resp: 32901

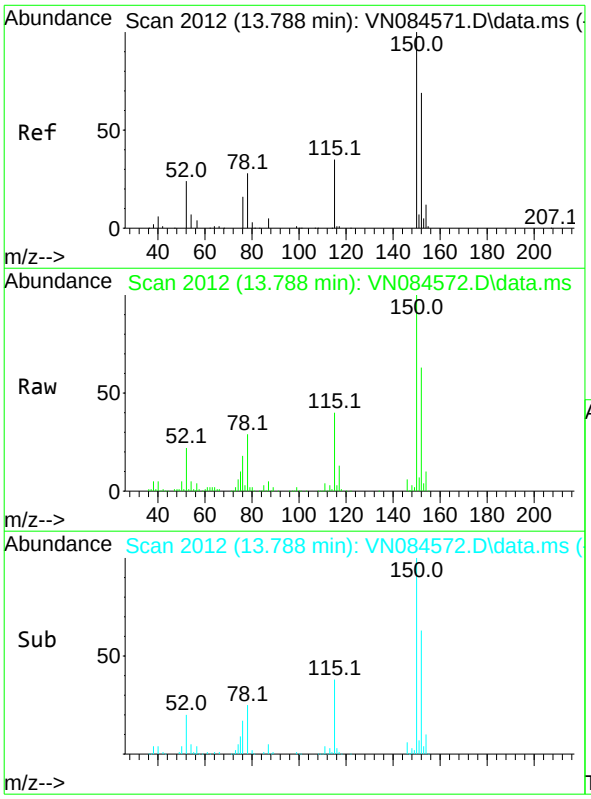
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

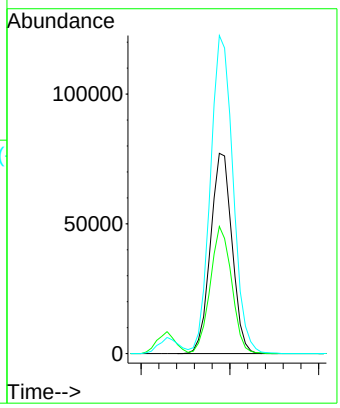
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

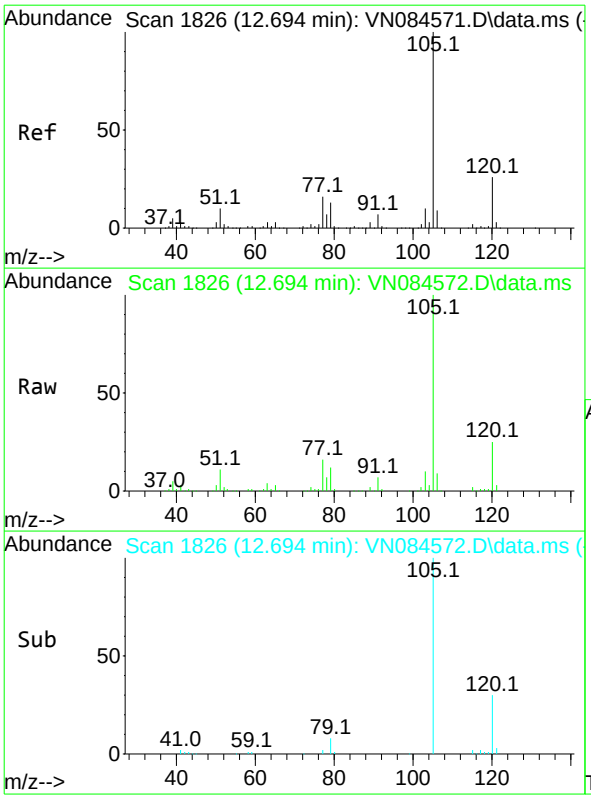


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:152 Resp: 130374

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	166.7	0.0	349.8

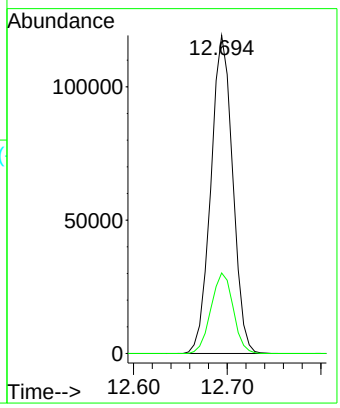




#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 193023

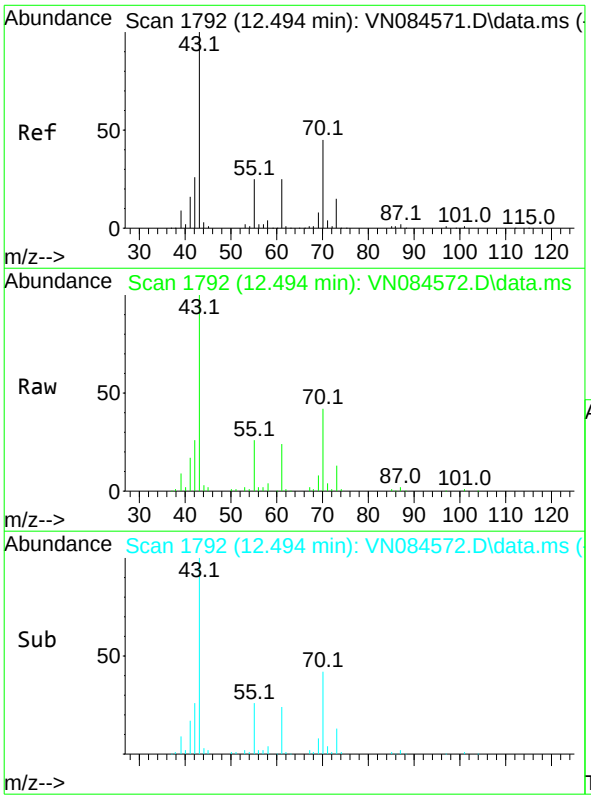
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

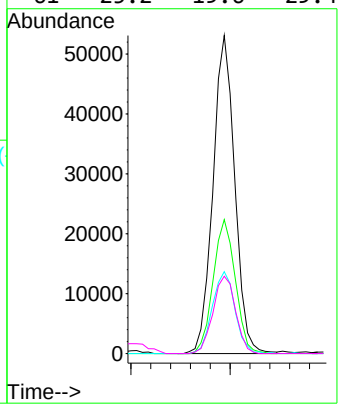
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

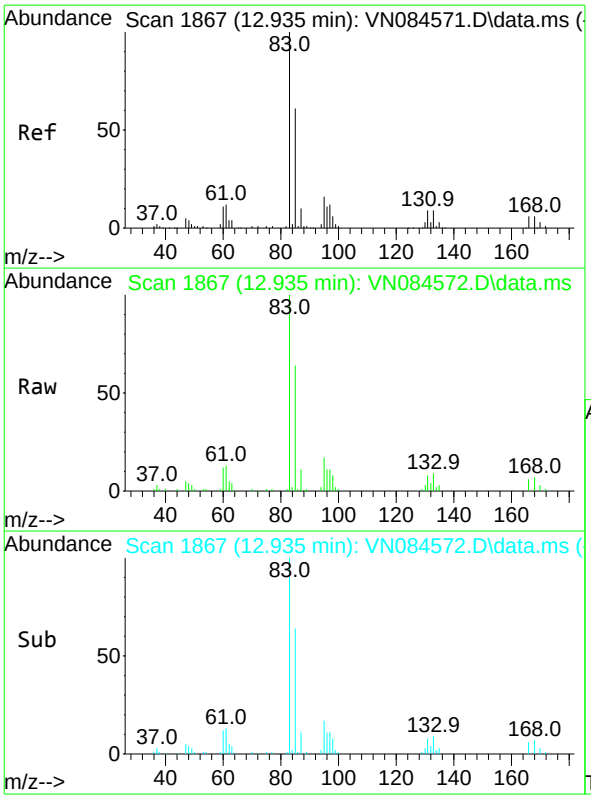


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 80939

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	26.8	19.6	29.4
61	25.2	19.6	29.4

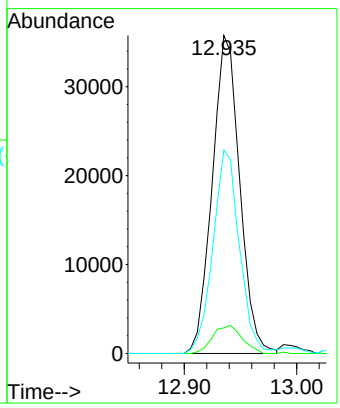




#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 60645

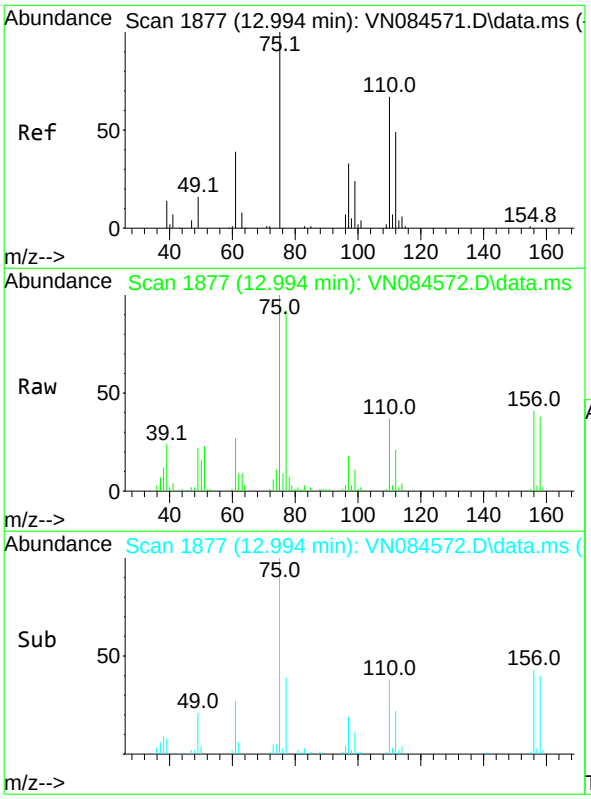
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	61.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

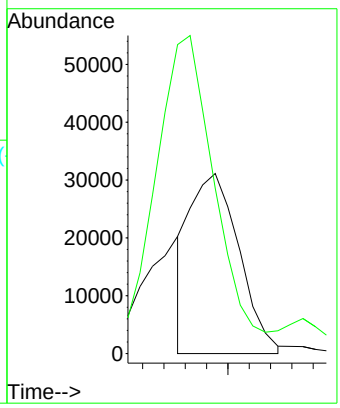
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

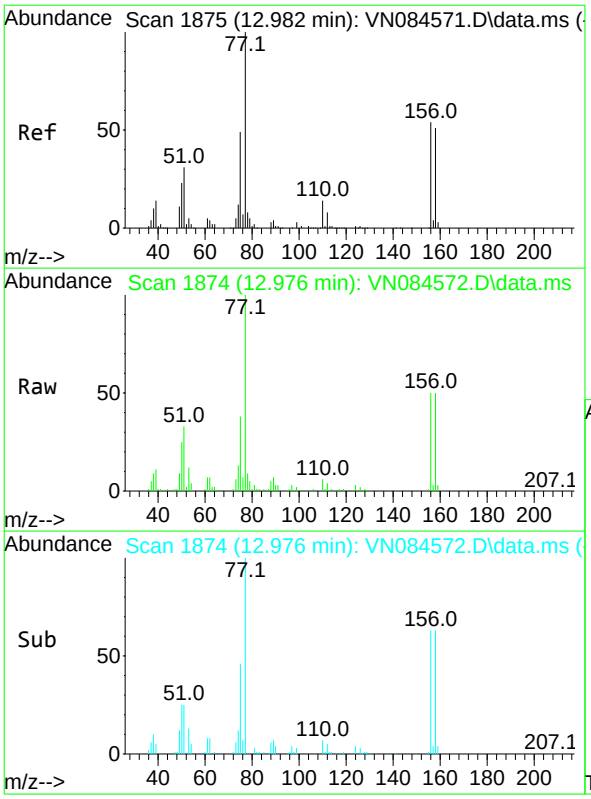


#76
1,2,3-Trichloropropane
Concen: 19.414 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 49947

Ion	Ratio	Lower	Upper
75	100		
77	215.5	96.9	290.7

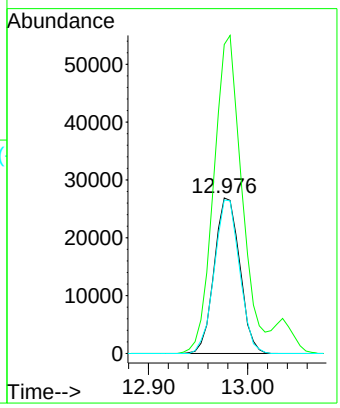




#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:156 Resp: 48017

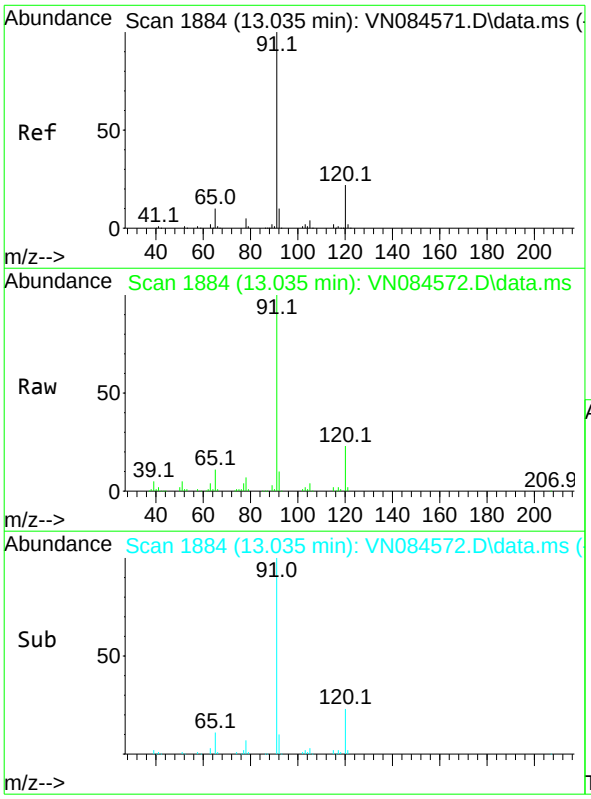
Ion	Ratio	Lower	Upper
156	100		
77	224.2	115.1	345.3
158	97.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

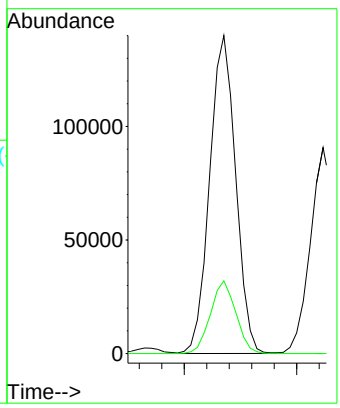
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

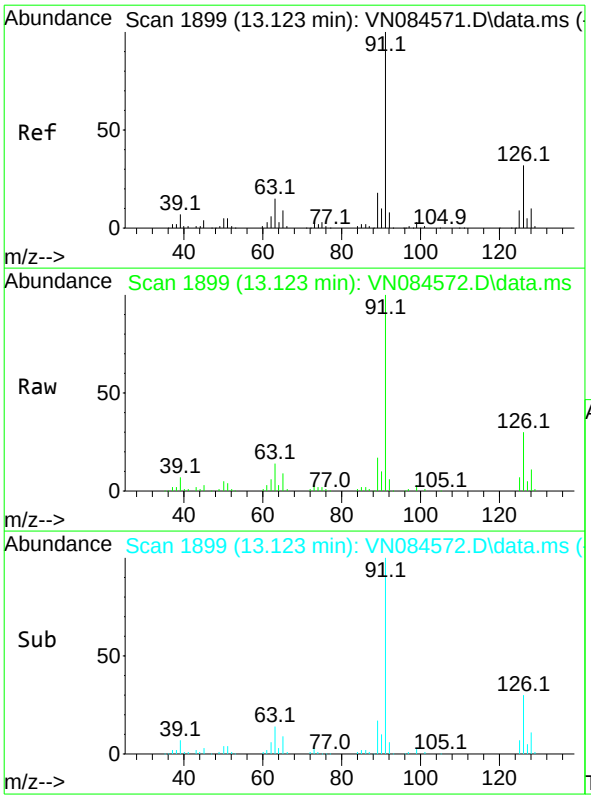


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

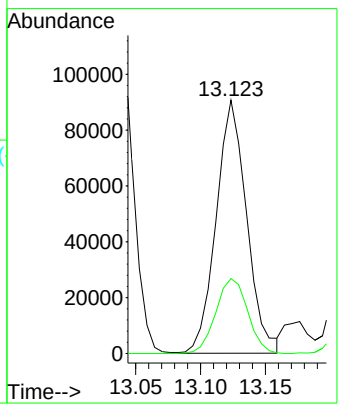




#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 148533

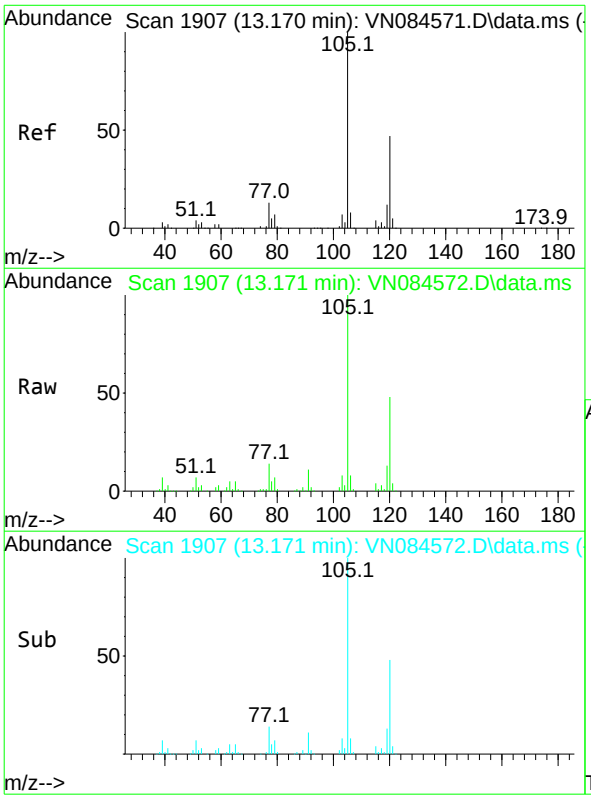
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

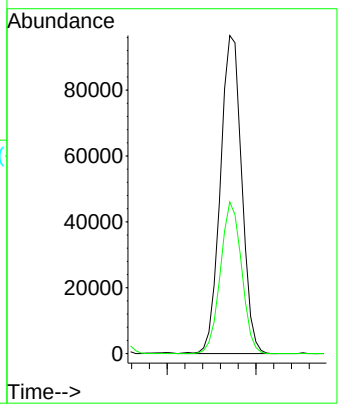
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

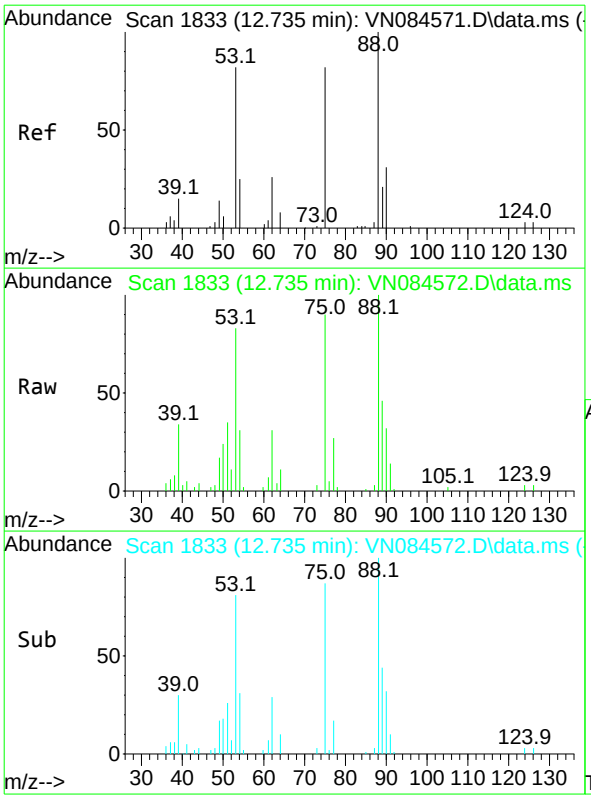


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

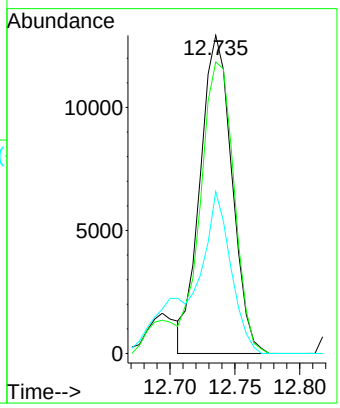




#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 22047

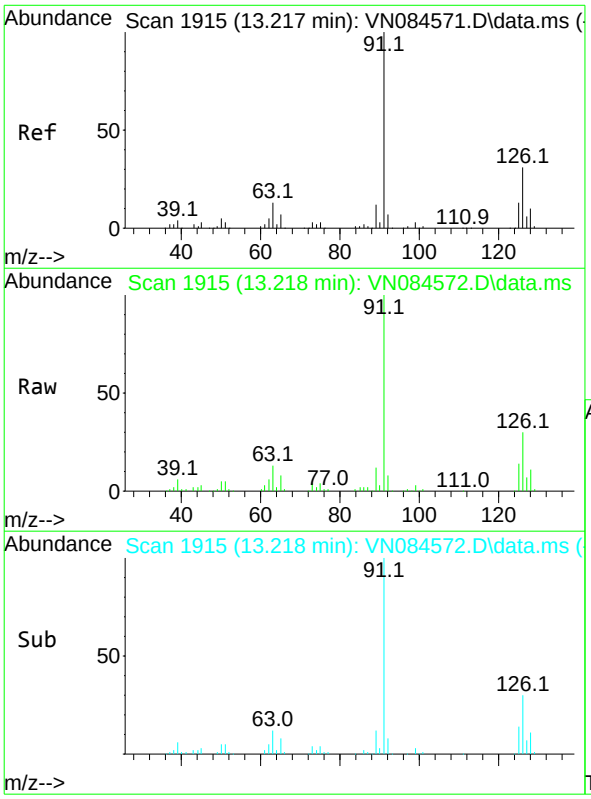
Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.0	117.0
89	64.0	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

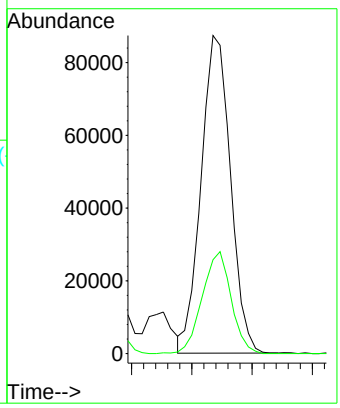
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

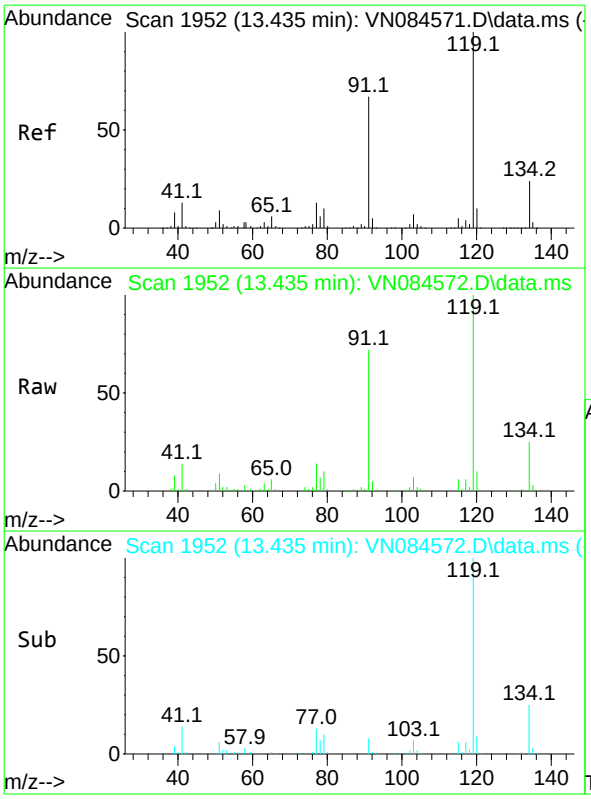


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

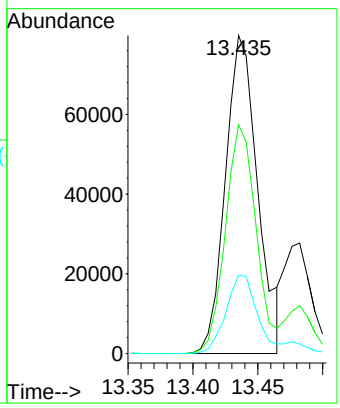




#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 138079

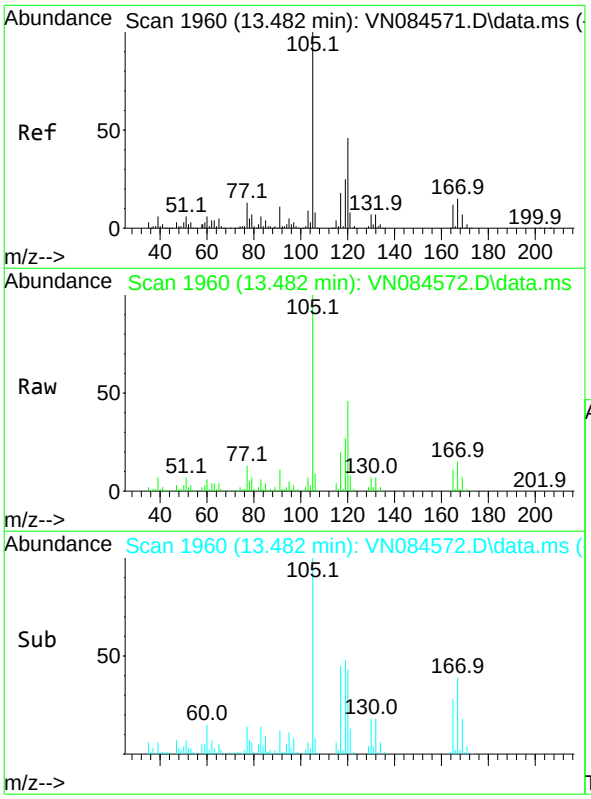
Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

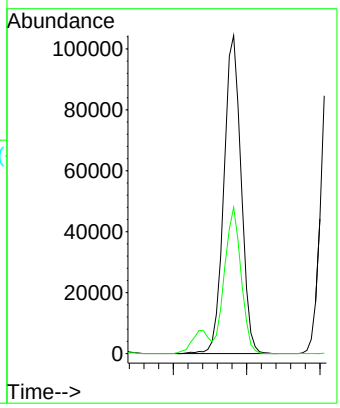
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

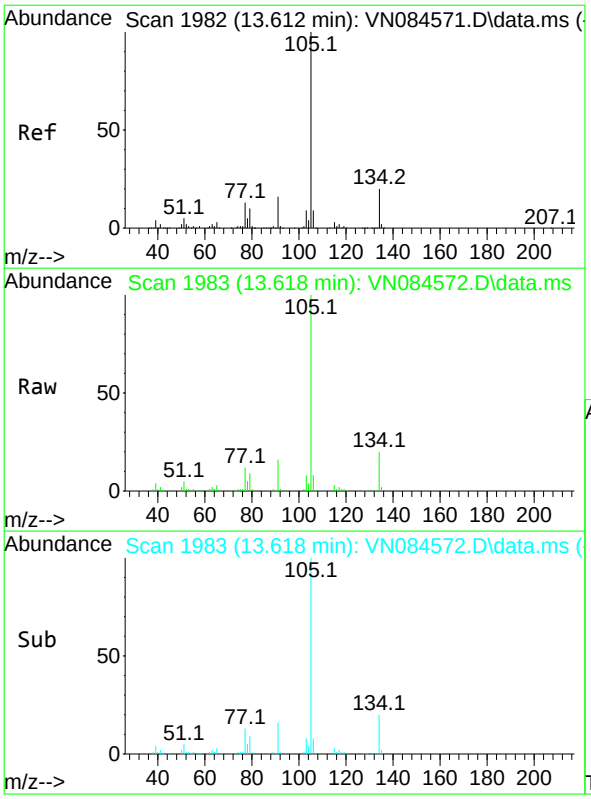


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8

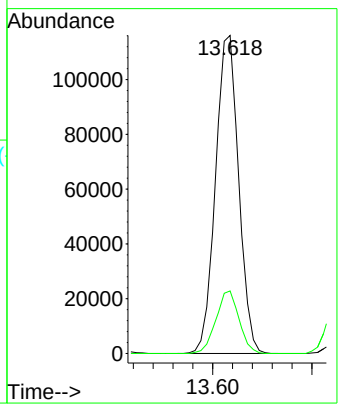




#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 188158

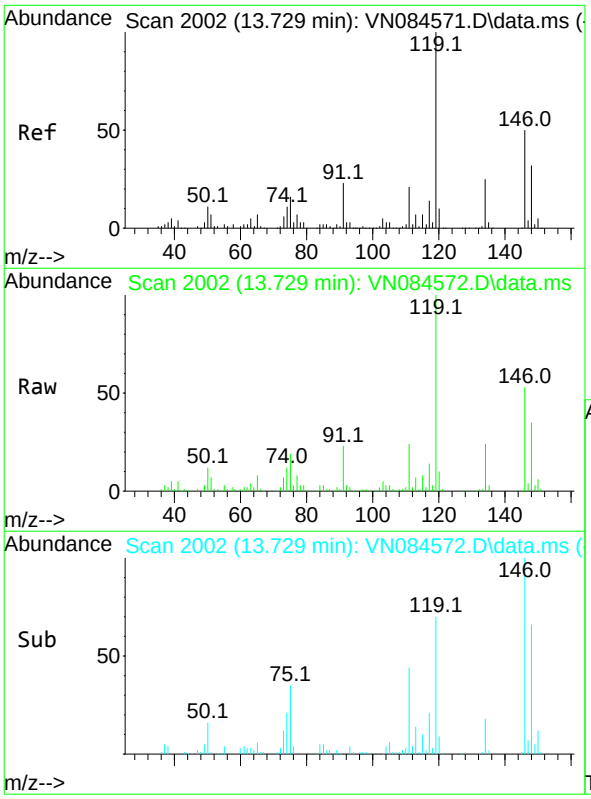
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

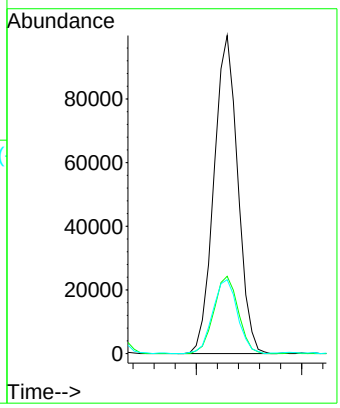
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

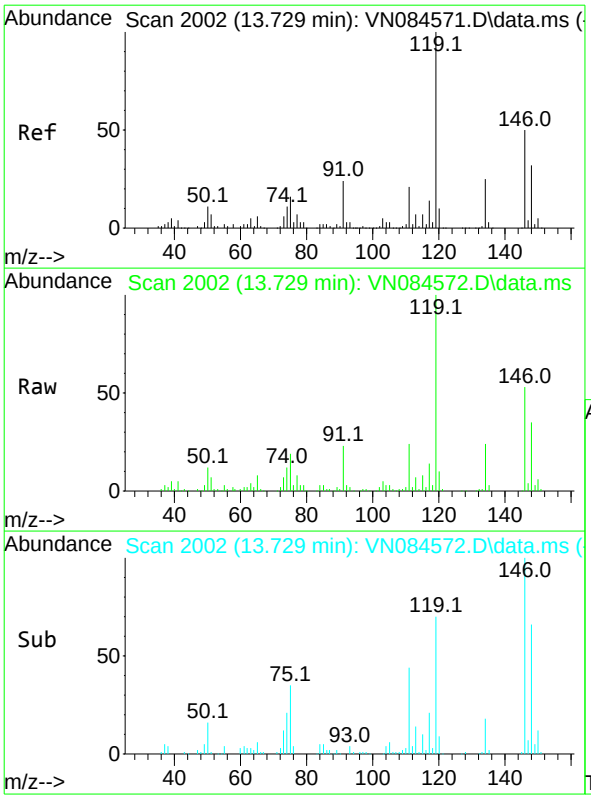


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 156598

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.3	12.4	37.2

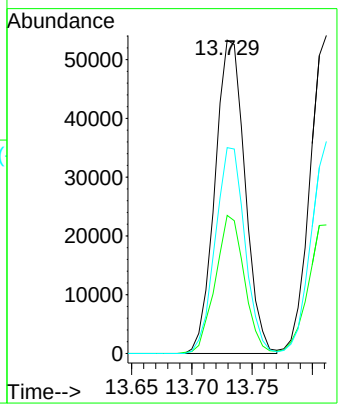




#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92310

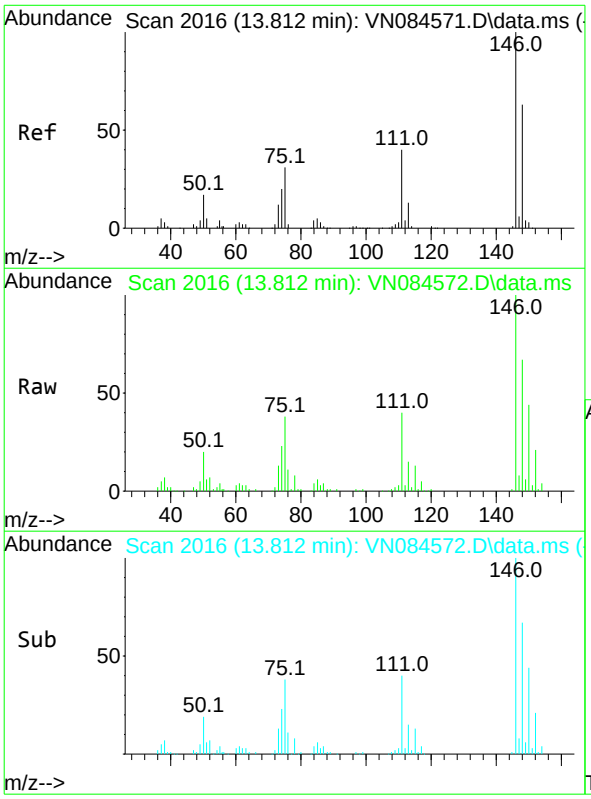
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

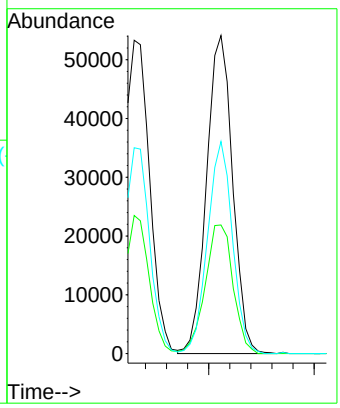
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

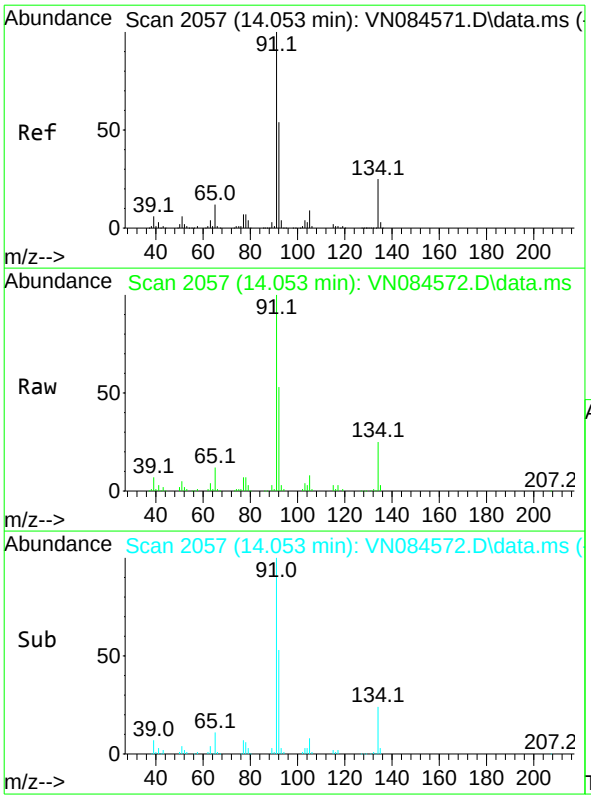


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92940

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.9	31.9	95.9

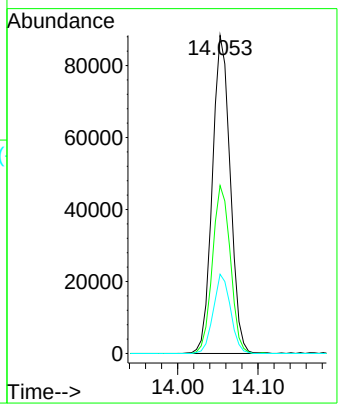




#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 136771

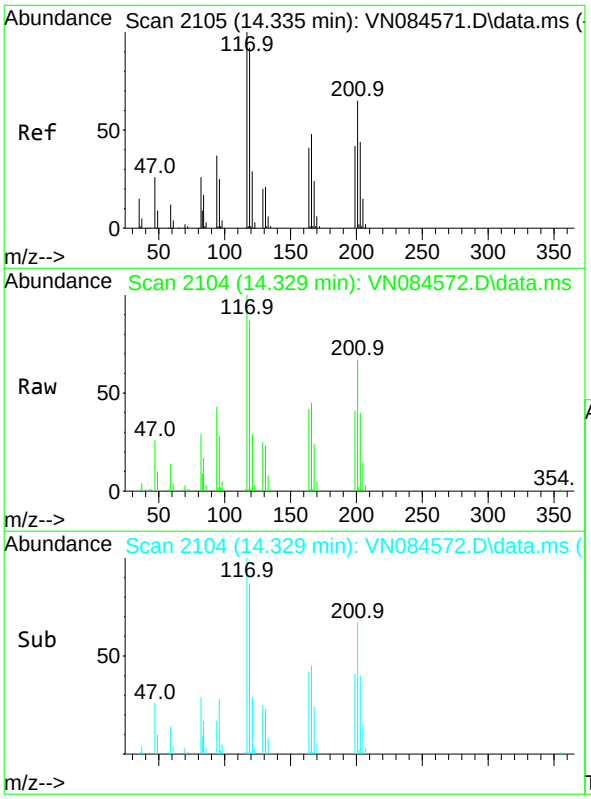
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.0	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

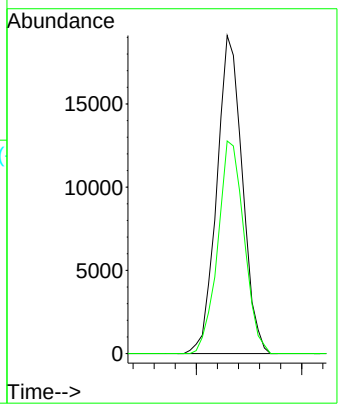
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

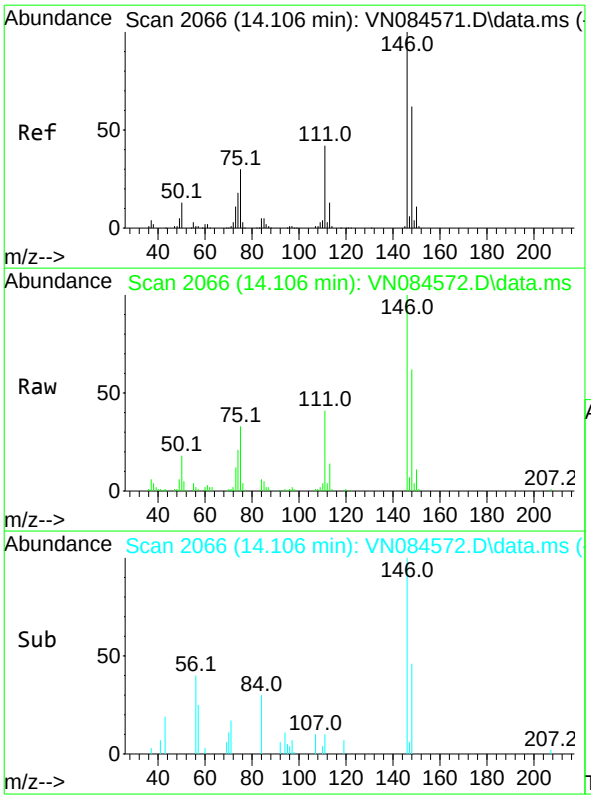


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2

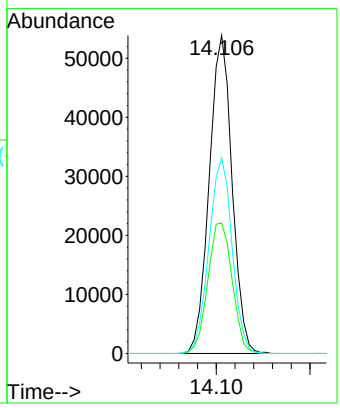




#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 91138

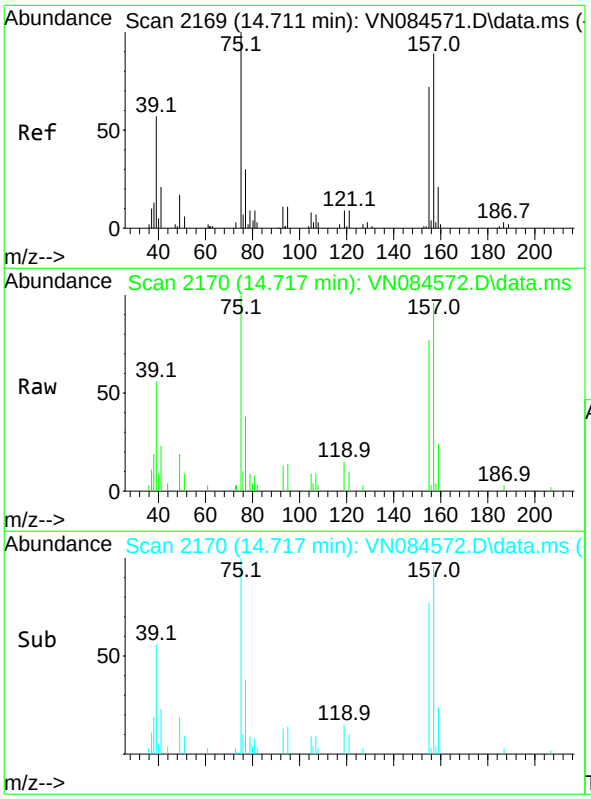
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

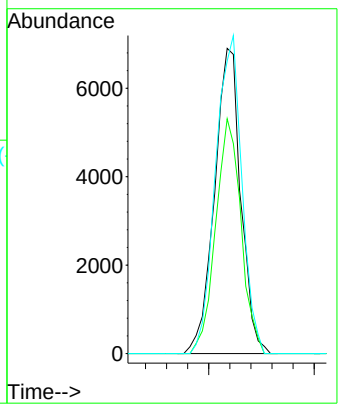
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

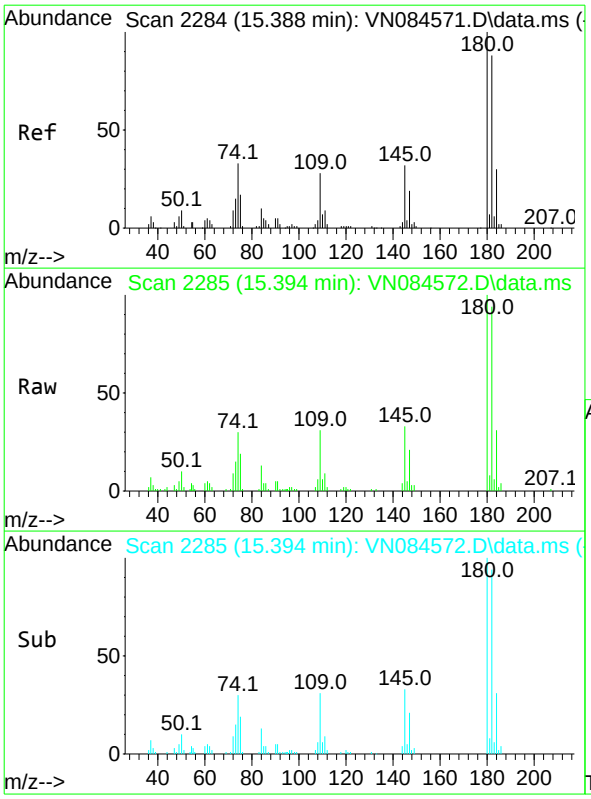


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 11962

Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.1	114.5
157	103.8	49.6	149.0

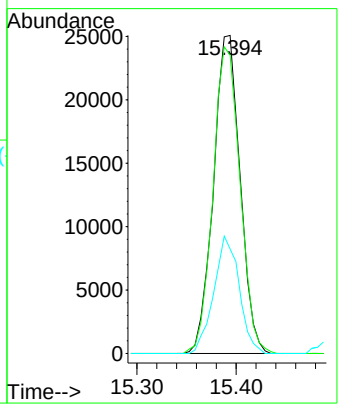




#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 46698

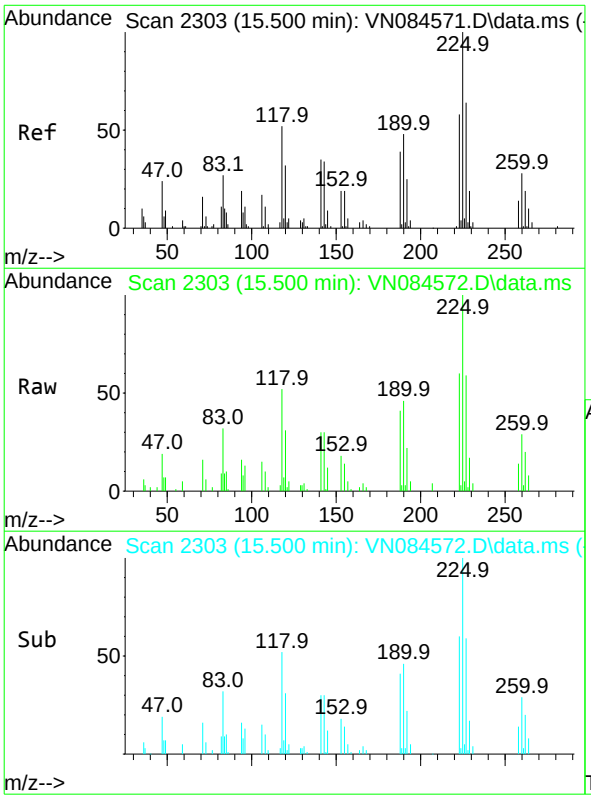
Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	35.2	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

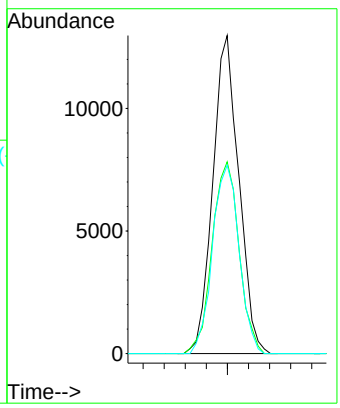
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

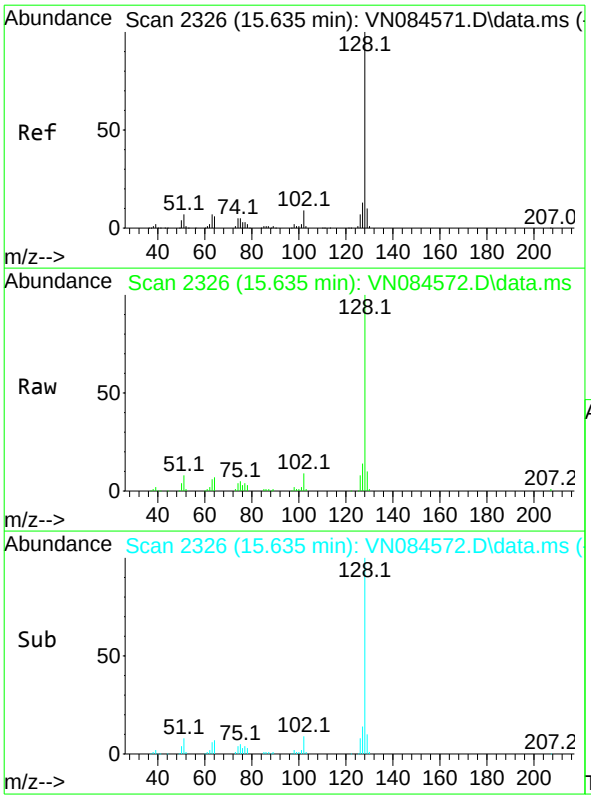


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:225 Resp: 22216

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	60.4	32.4	97.0

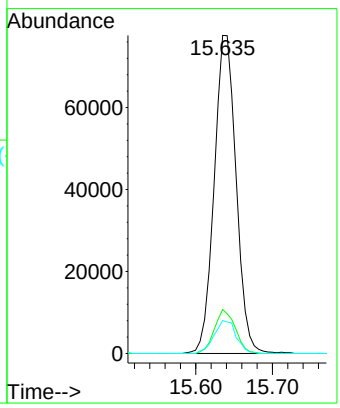




#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:128 Resp: 153972

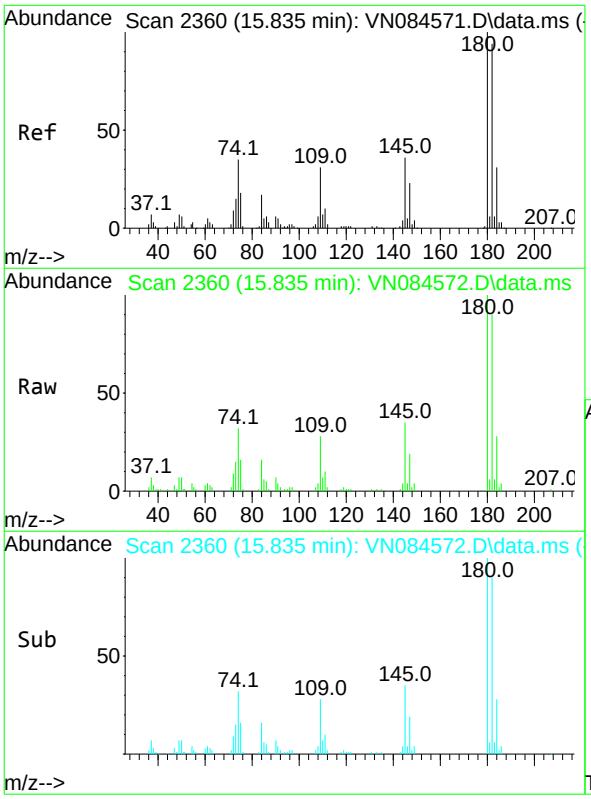
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

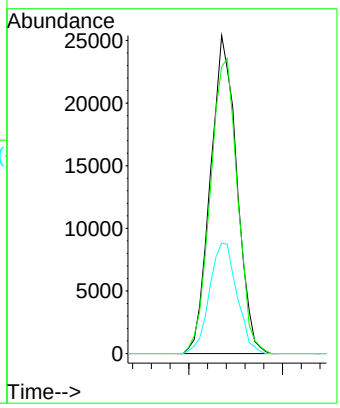
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 49699

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	36.2	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

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

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

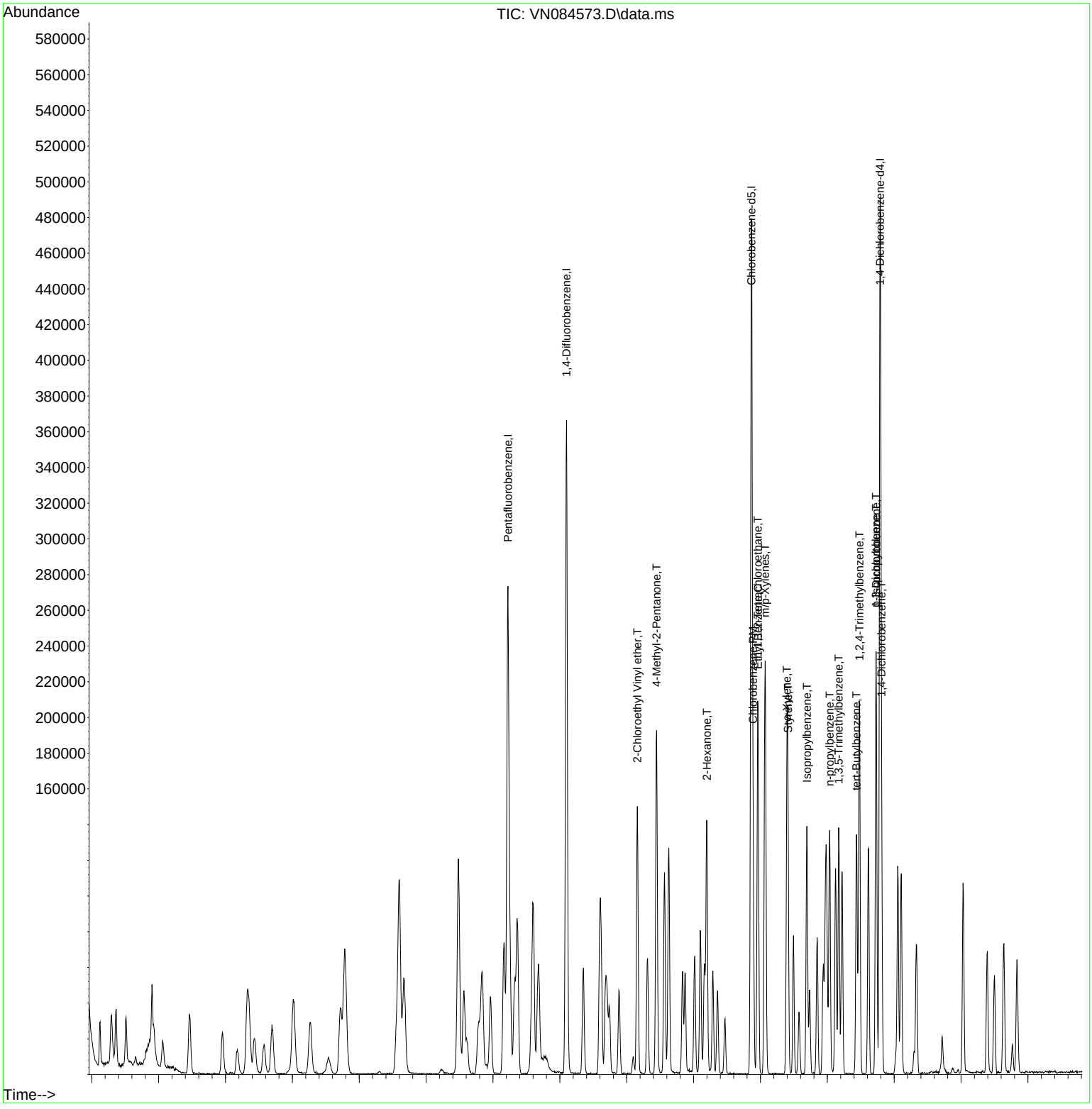
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

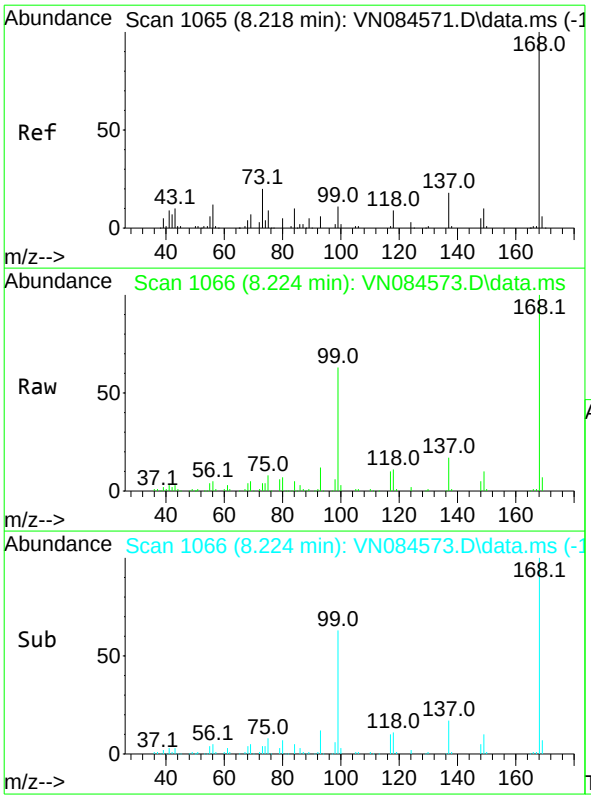
Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

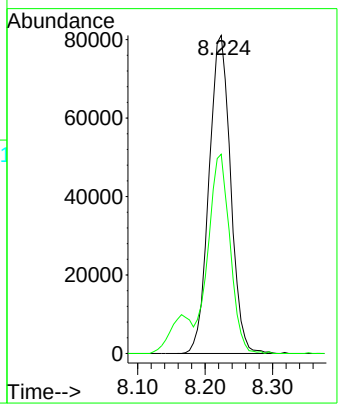




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:168 Resp: 179863

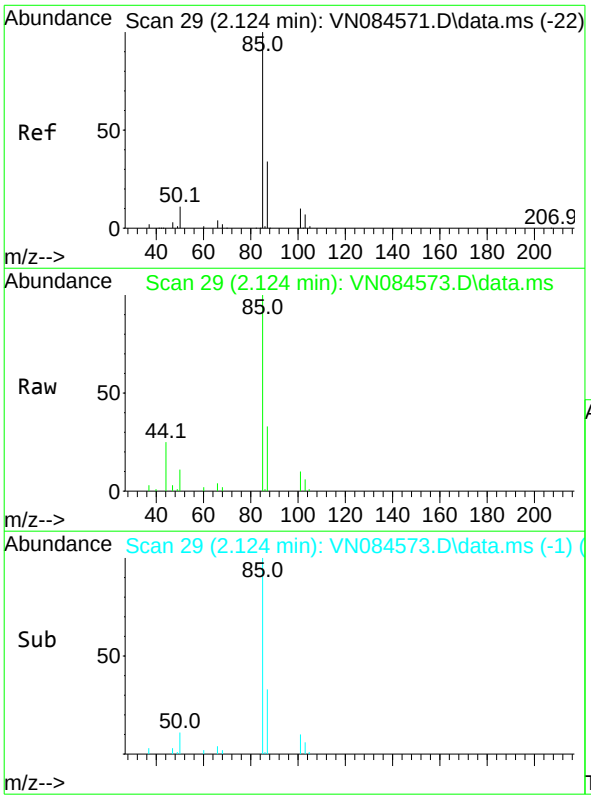
Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

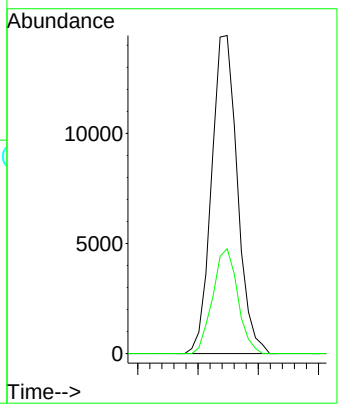
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

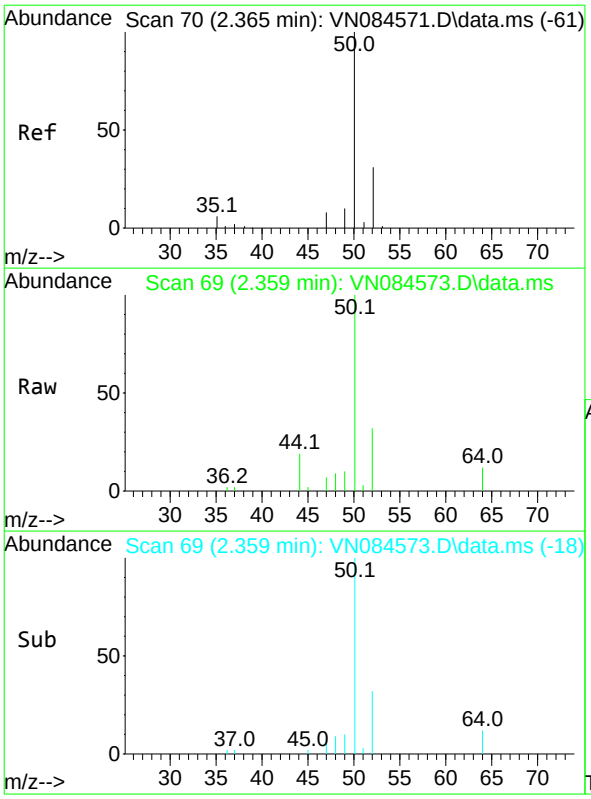


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9

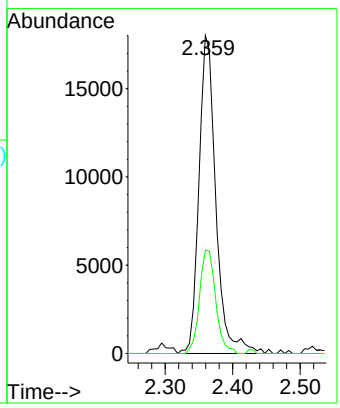




#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 50 Resp: 31342

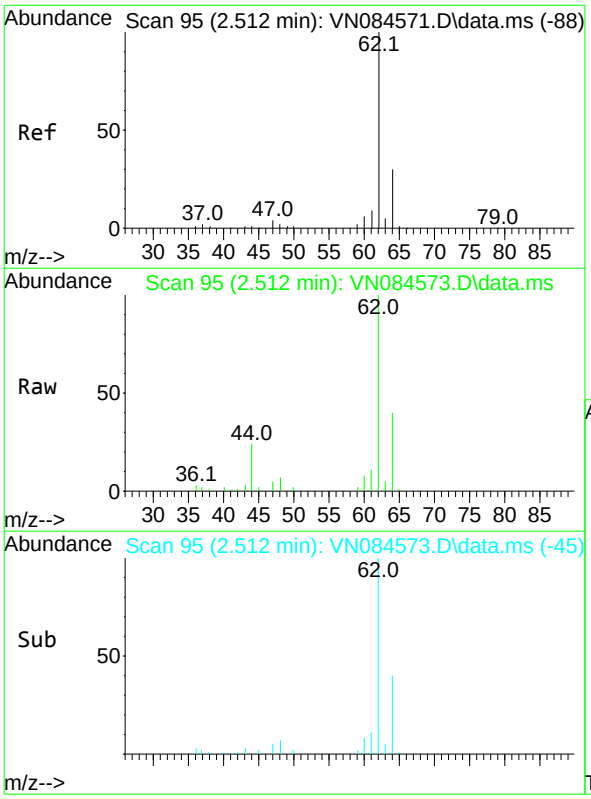
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

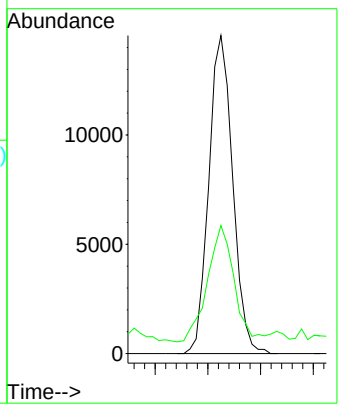
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

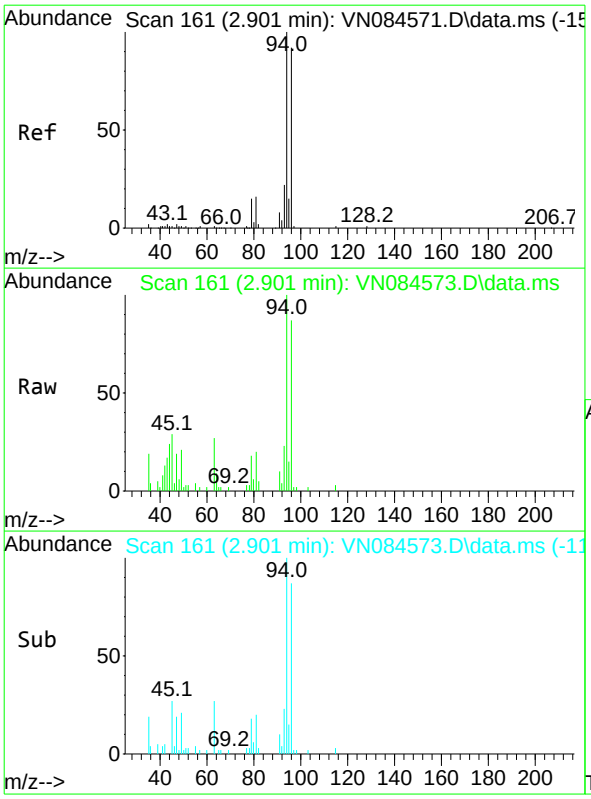


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4

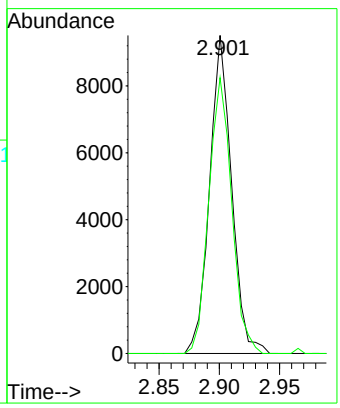




#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 94 Resp: 12071

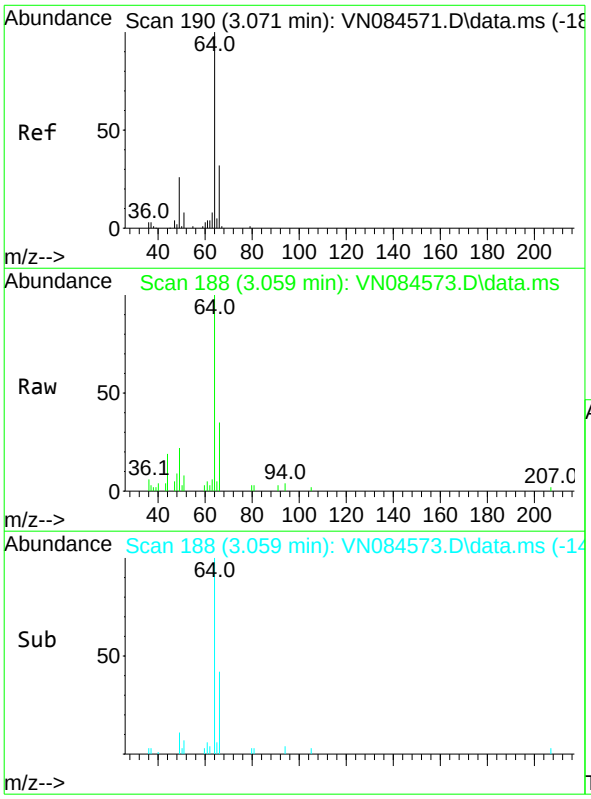
Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

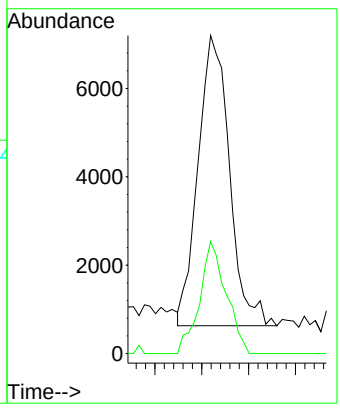
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

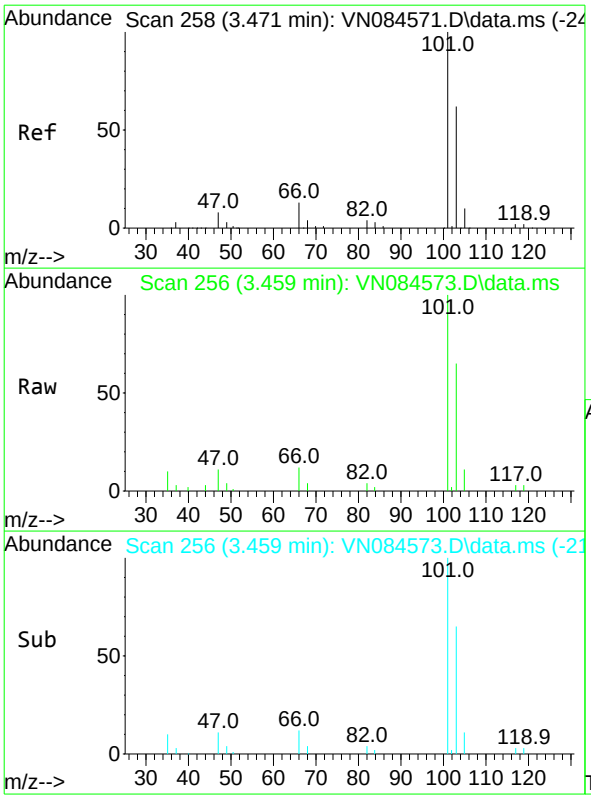


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#

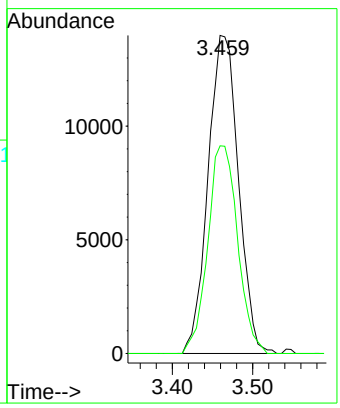




#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 36747

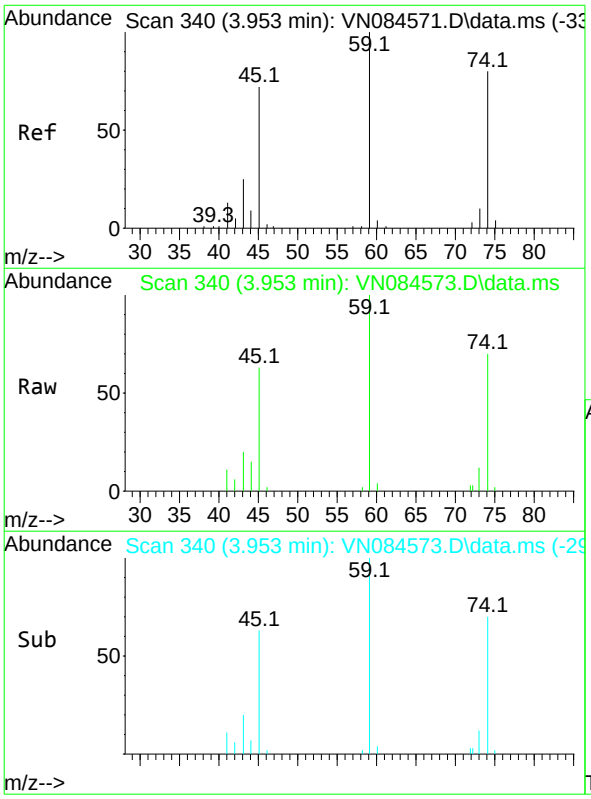
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

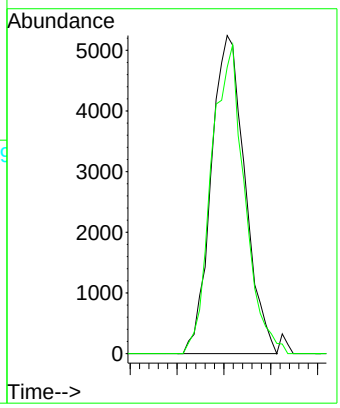
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

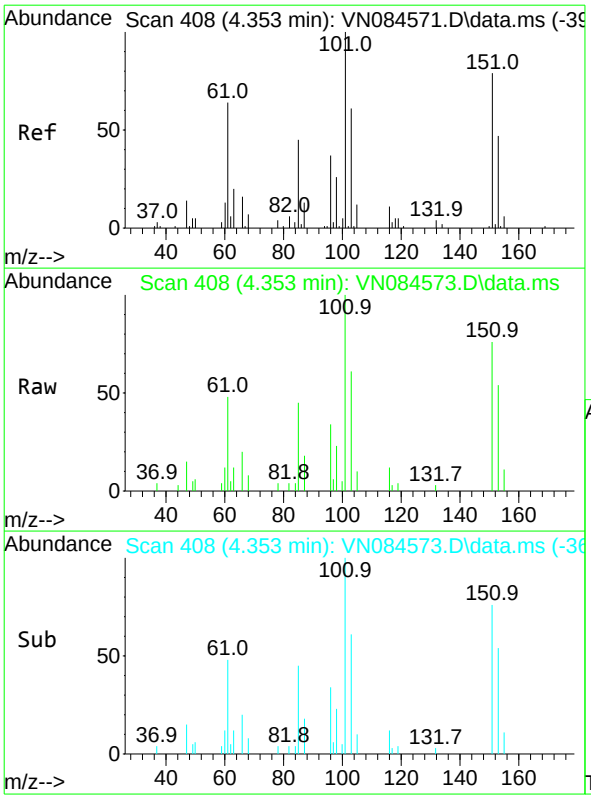


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1

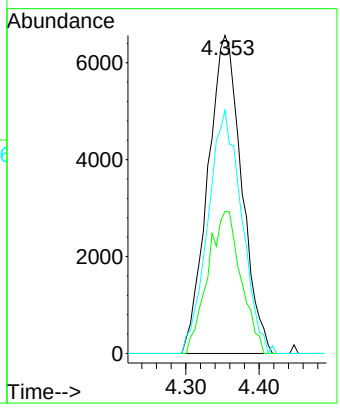




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 21028

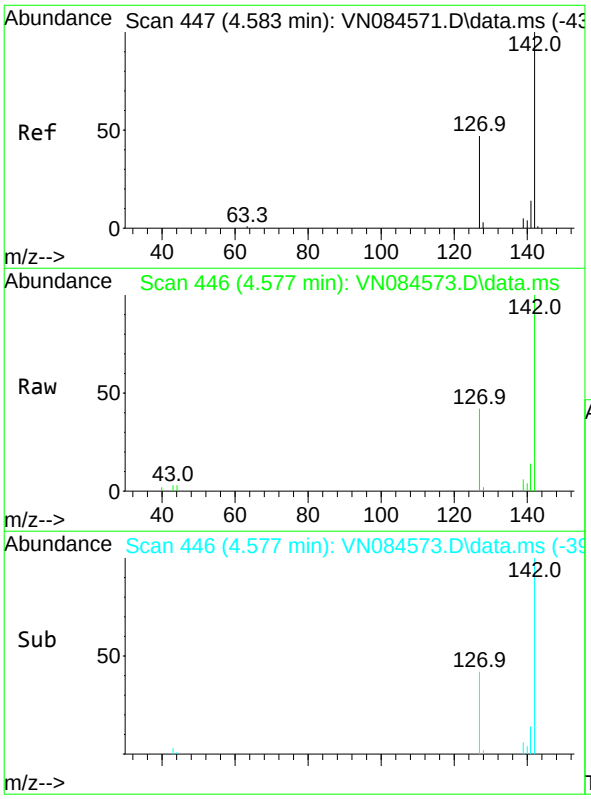
Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	76.4	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

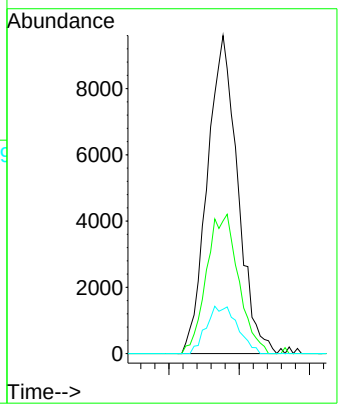
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

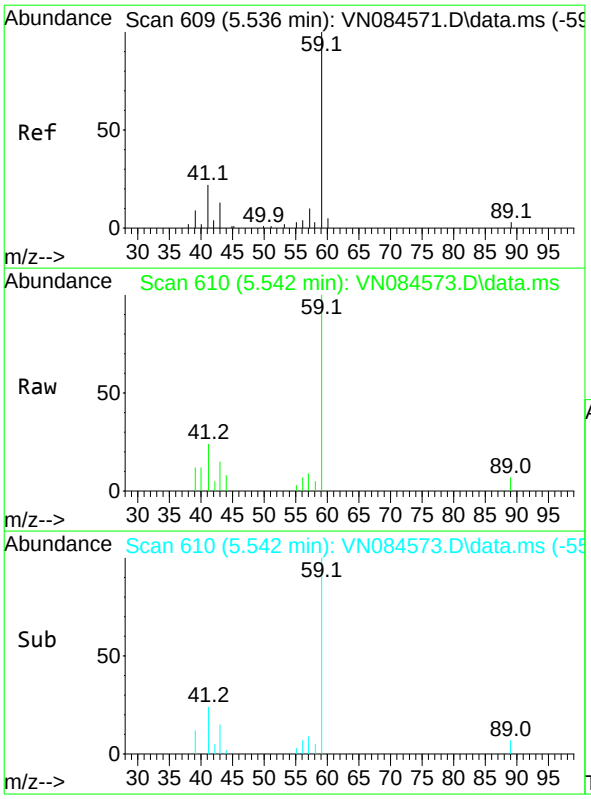


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:142 Resp: 28795

Ion	Ratio	Lower	Upper
142	100		
127	41.7	35.3	52.9
141	13.9	11.0	16.6

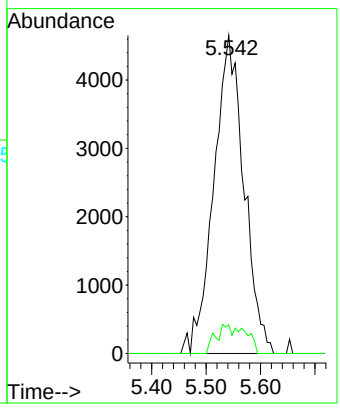




#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 59 Resp: 17899

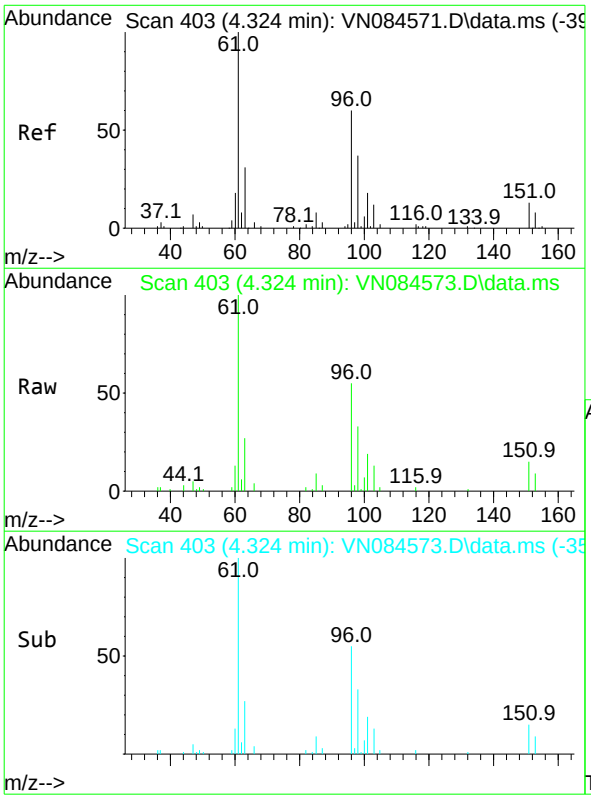
Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

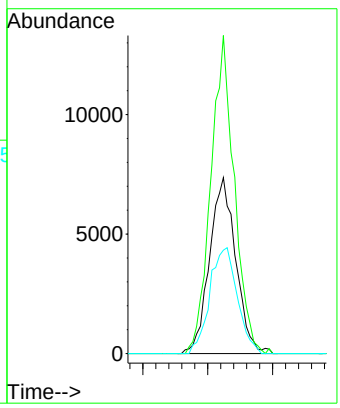
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

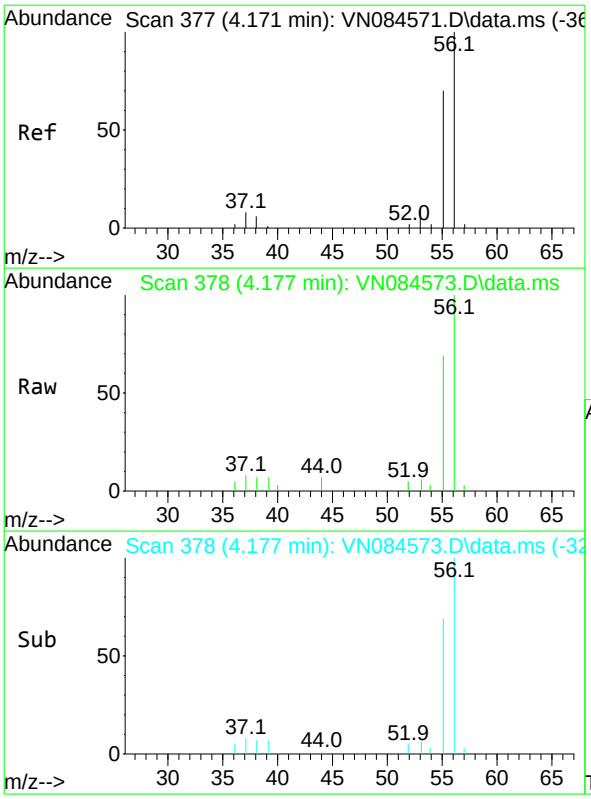


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 20669

Ion	Ratio	Lower	Upper
96	100		
61	180.8	128.6	192.8
98	58.8	51.7	77.5

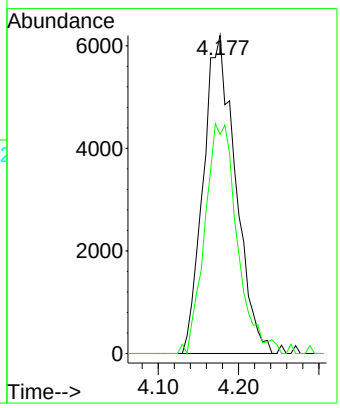




#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 17284

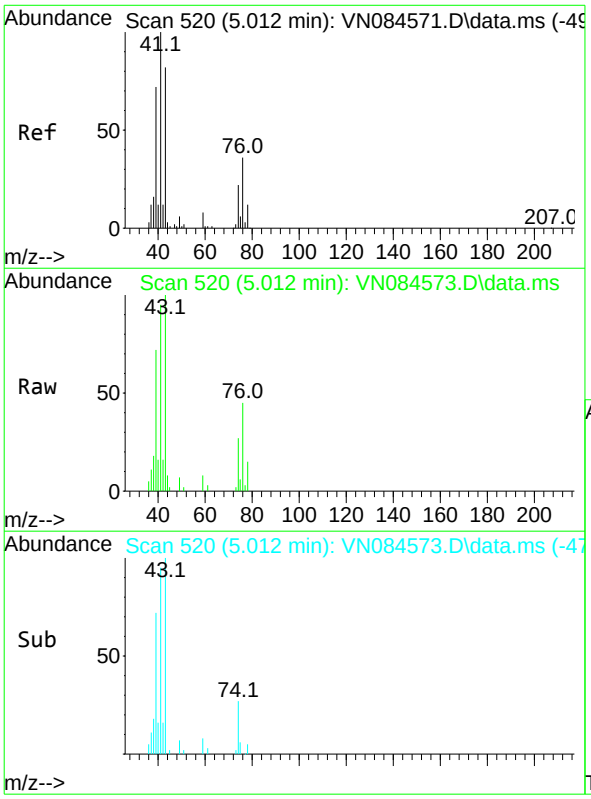
Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

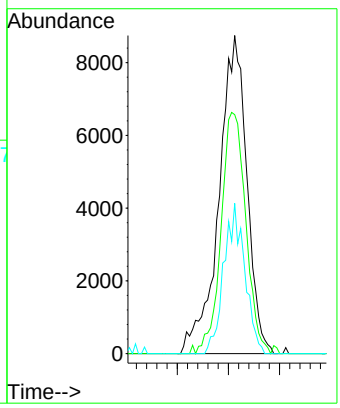
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

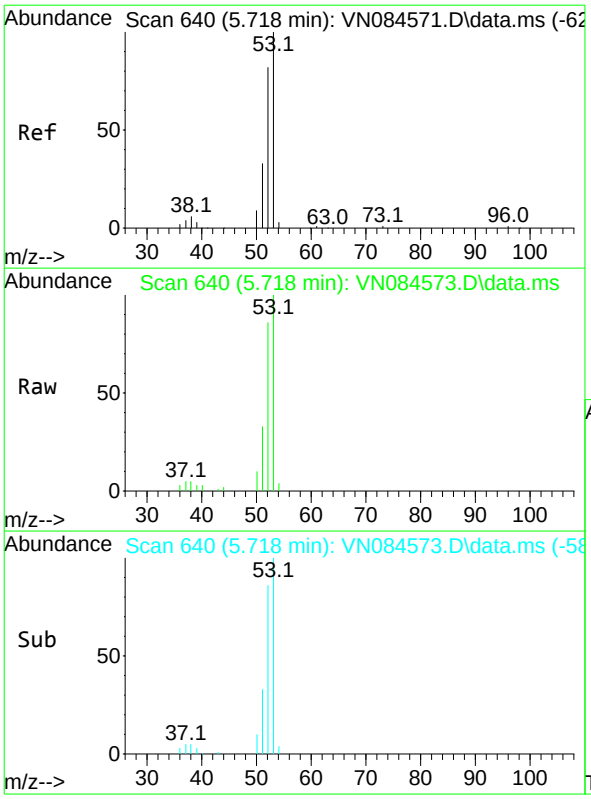


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 33287

Ion	Ratio	Lower	Upper
41	100		
39	66.7	59.0	88.6
76	35.1	29.8	44.6

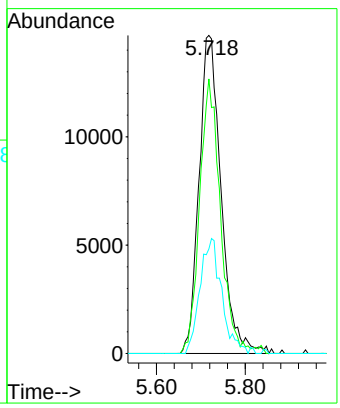




#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 53 Resp: 50731

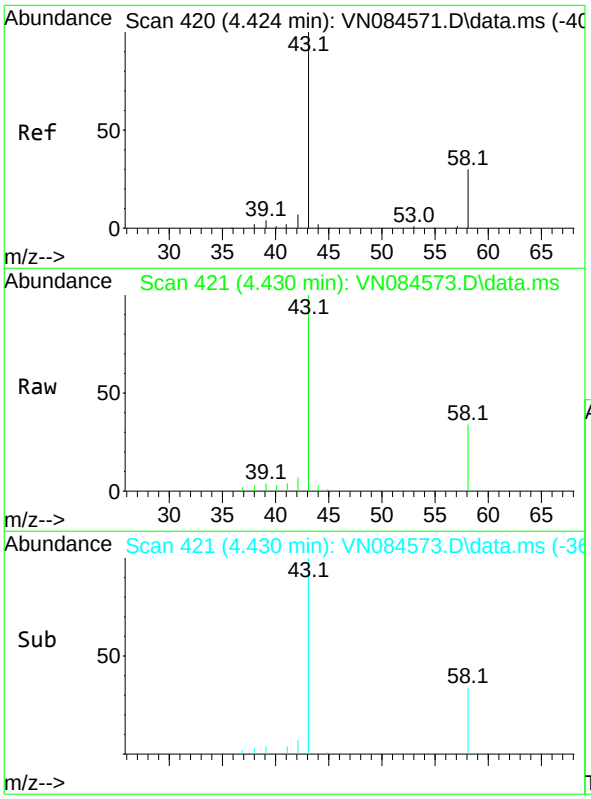
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

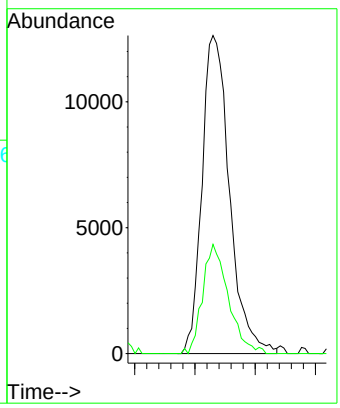
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

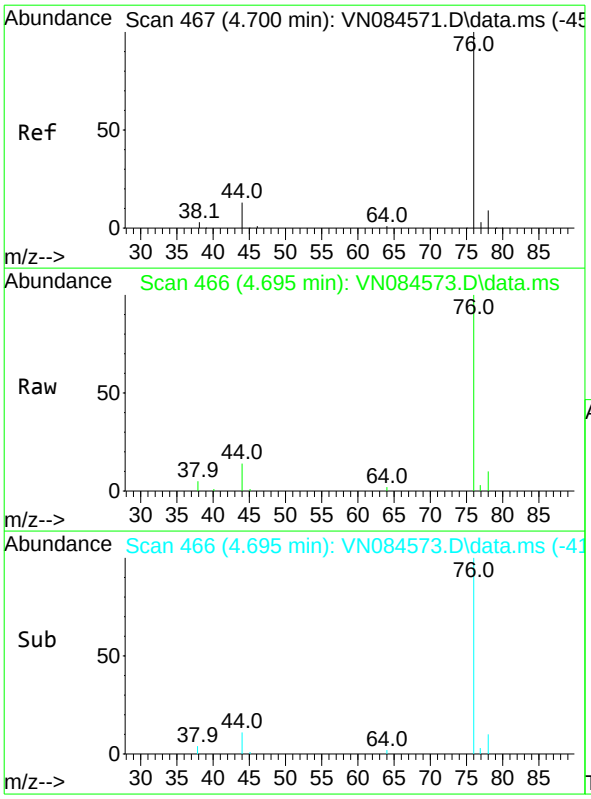


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6

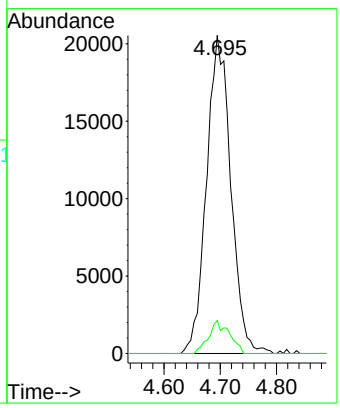




#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 61652

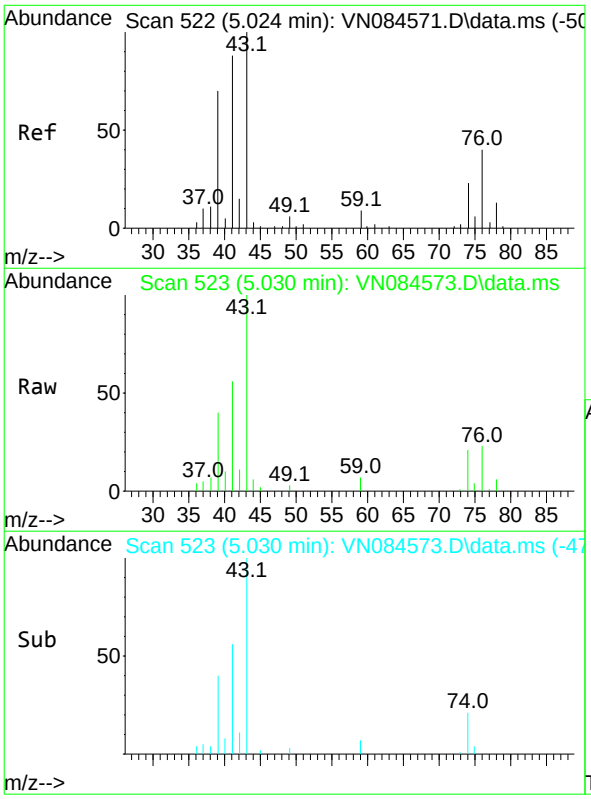
Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

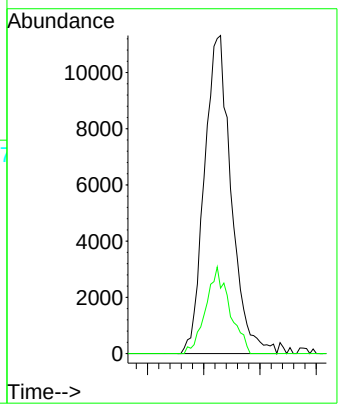
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

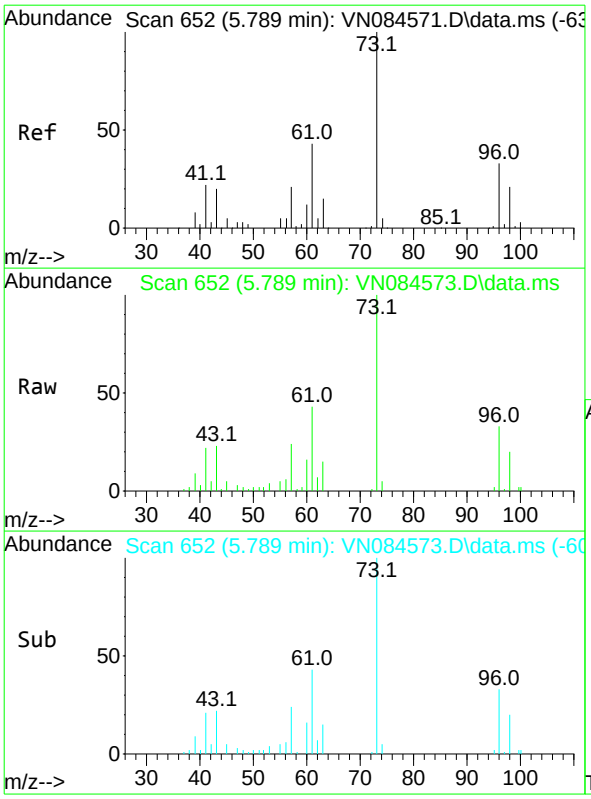


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

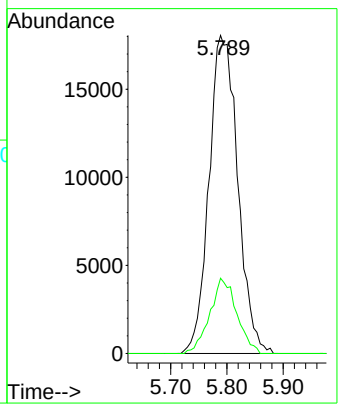




#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 73 Resp: 64007

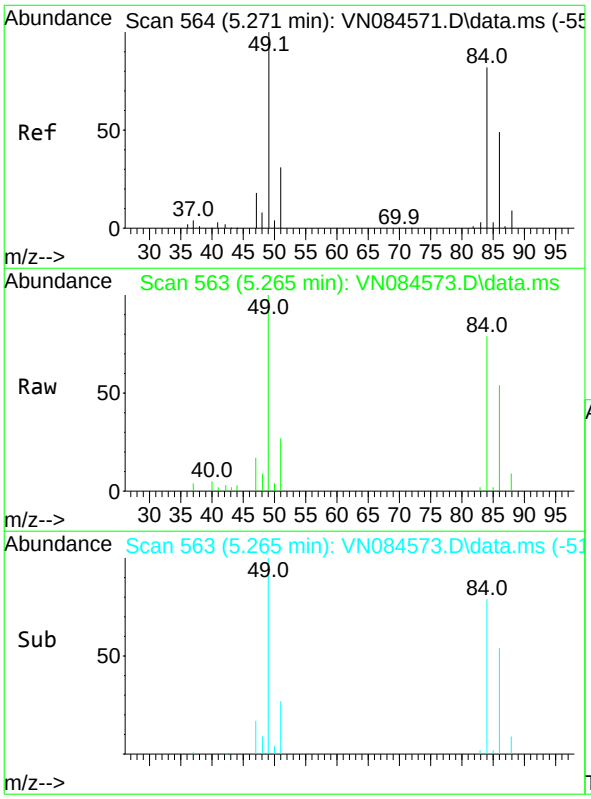
Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

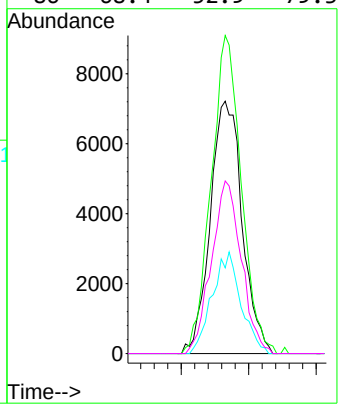
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

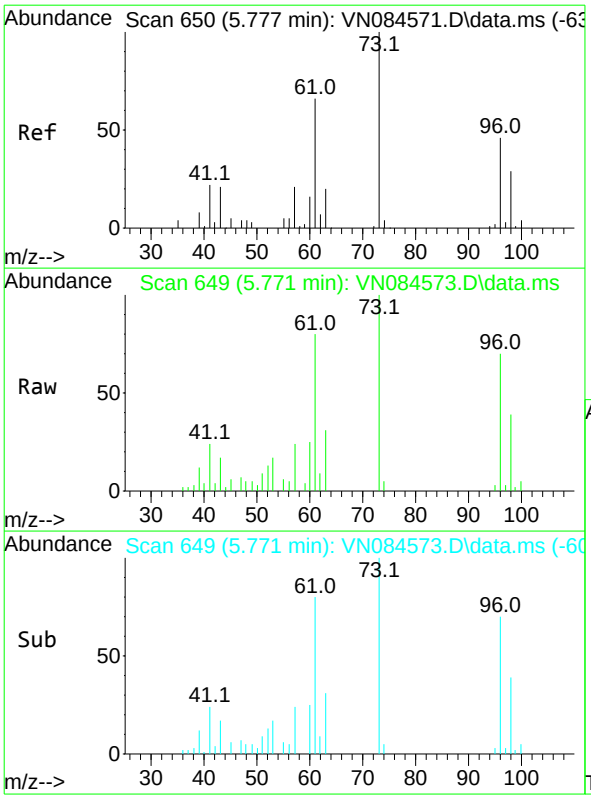


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 84 Resp: 23684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	107.2	160.8
51	34.0	31.8	47.8
86	68.4	52.9	79.3

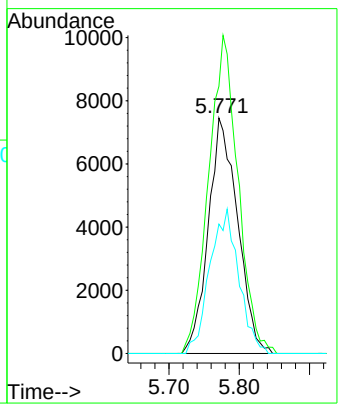




#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 21581

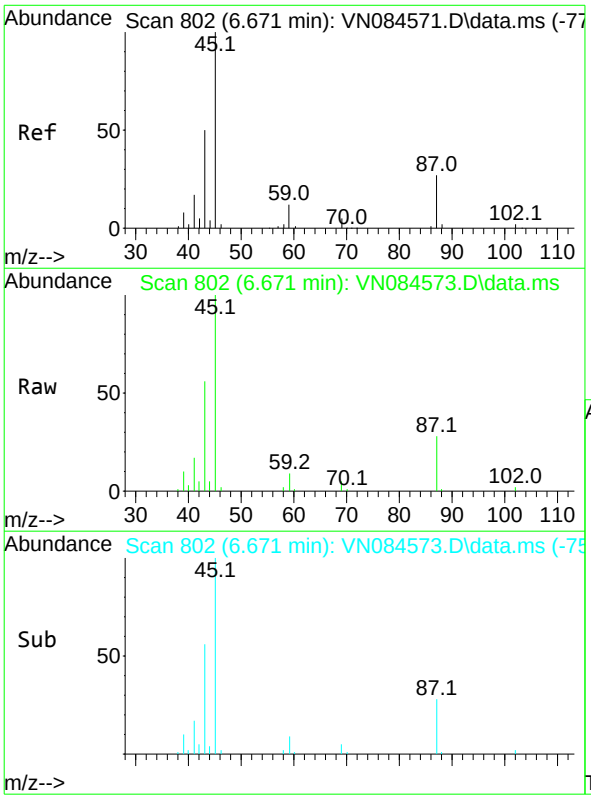
Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.4	162.6
98	55.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

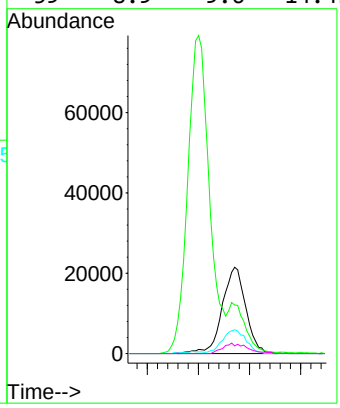
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

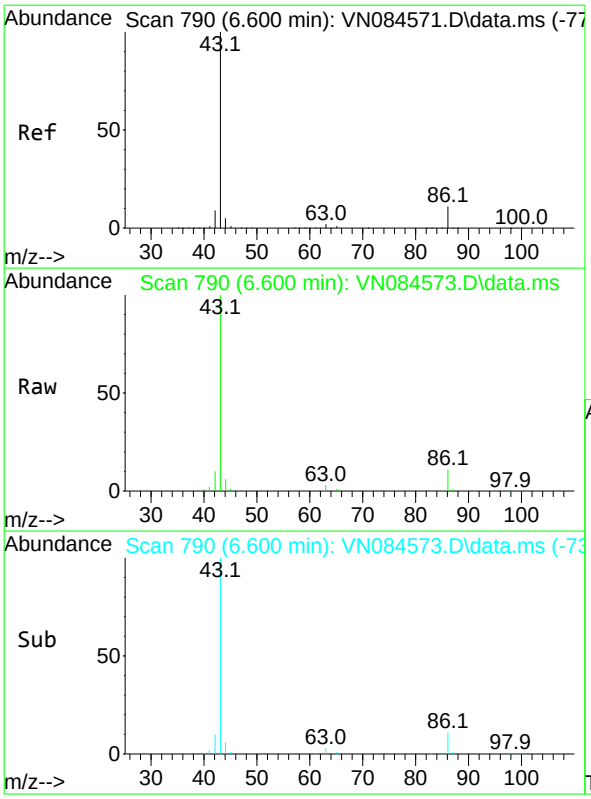


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 45 Resp: 68672

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.3	63.5
87	27.7	21.8	32.6
59	8.9	9.6	14.4#

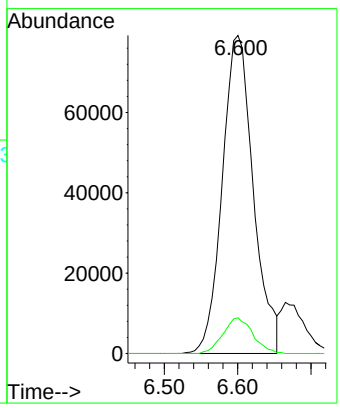




#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 233407

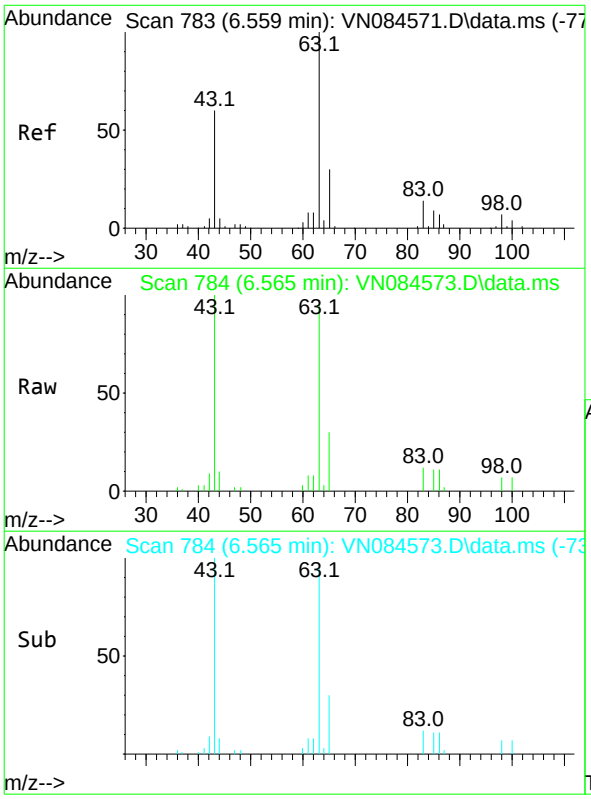
Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

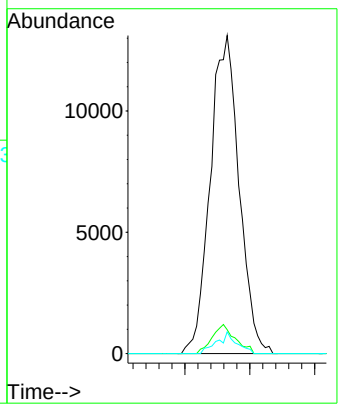
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

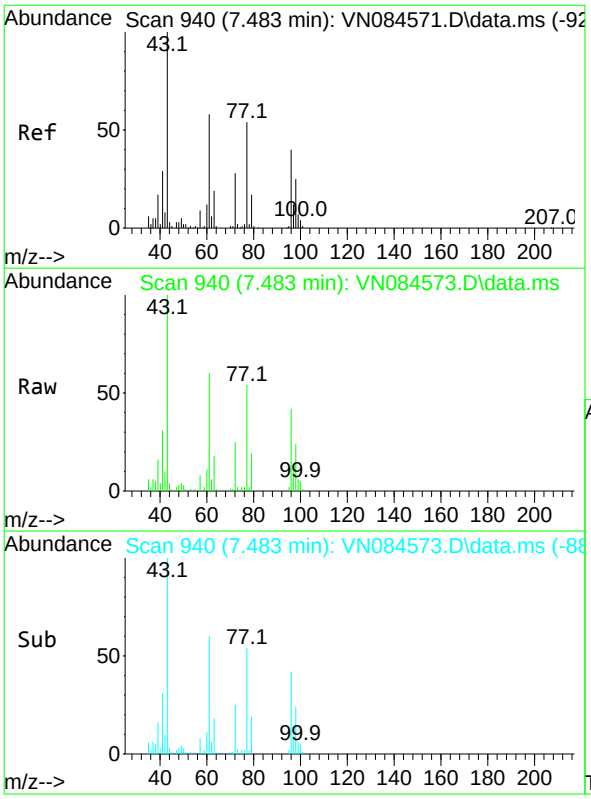


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 40556

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.2
100	6.8	2.0	5.8#

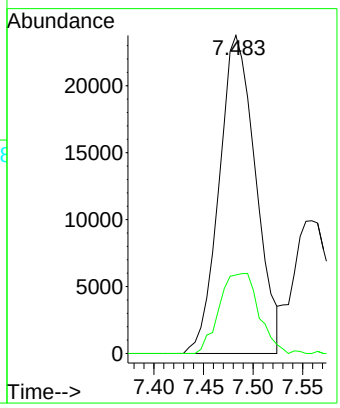




#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 60876

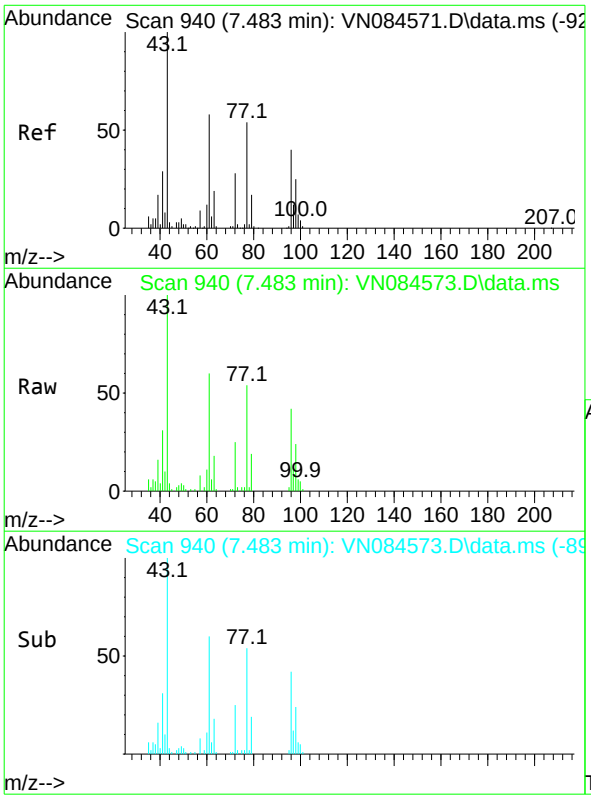
Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

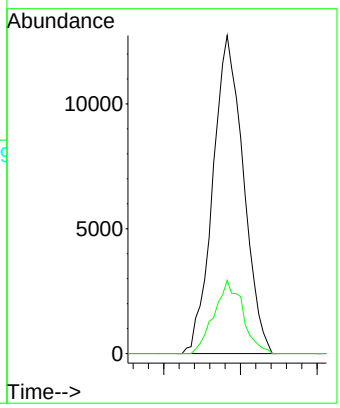
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

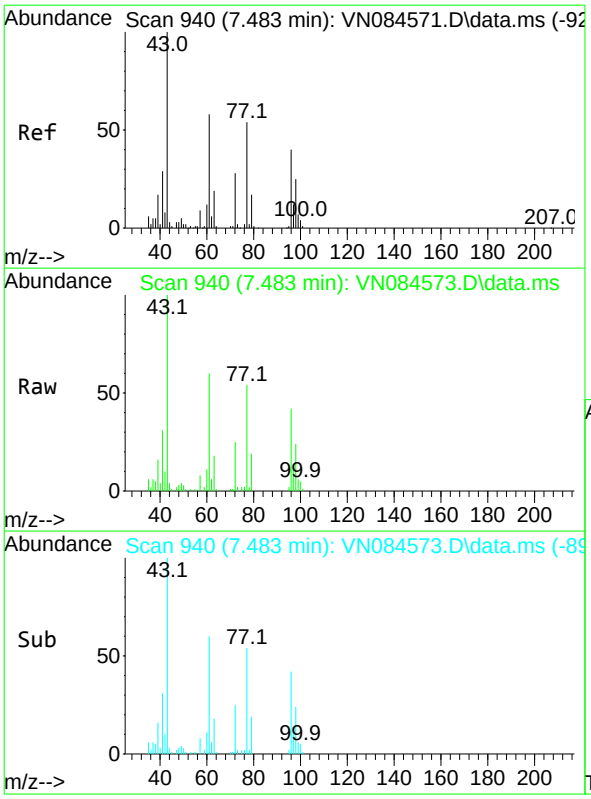


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

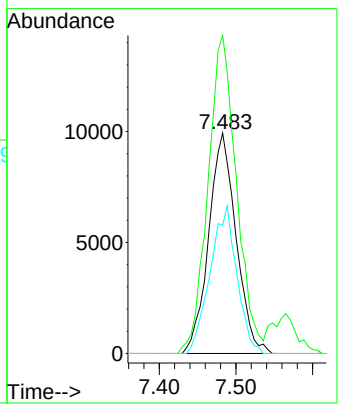




#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 24626

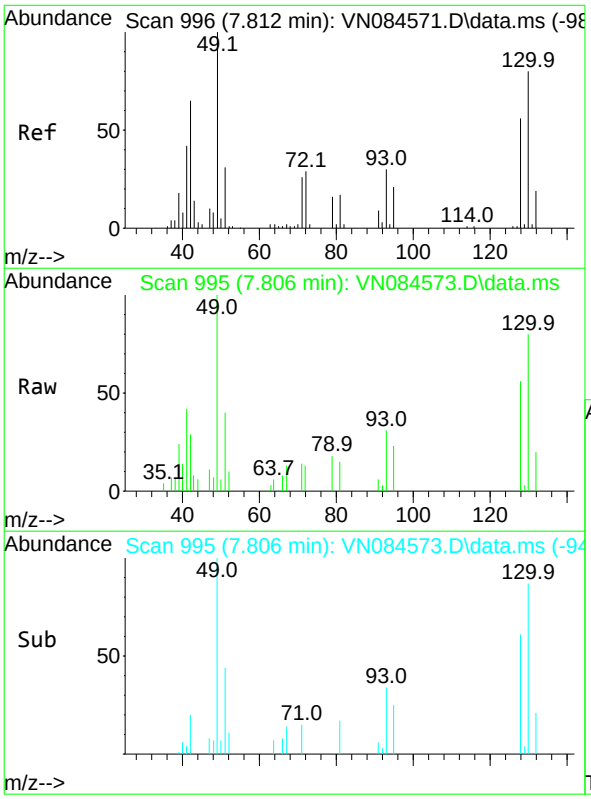
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	301.8
98	65.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

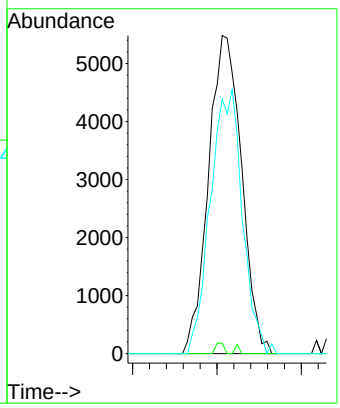
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

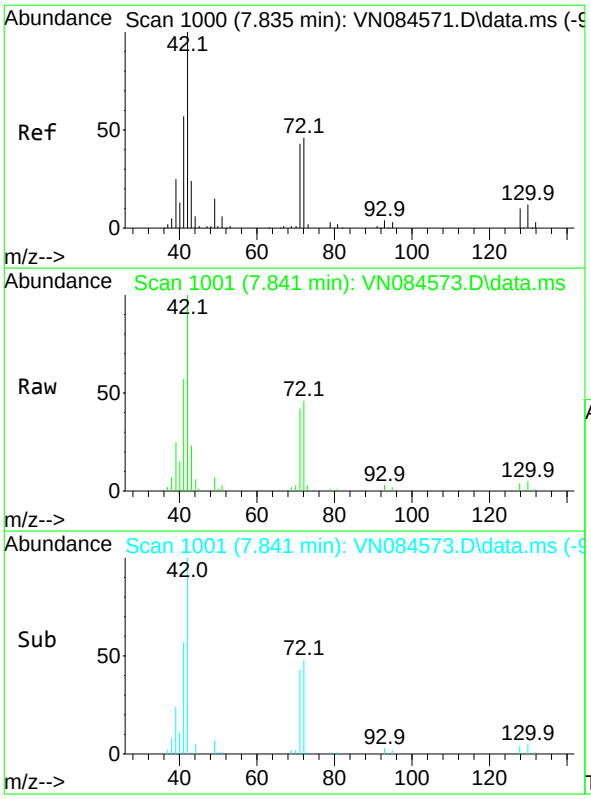


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 49 Resp: 14918

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	0.0	58.0	87.0#

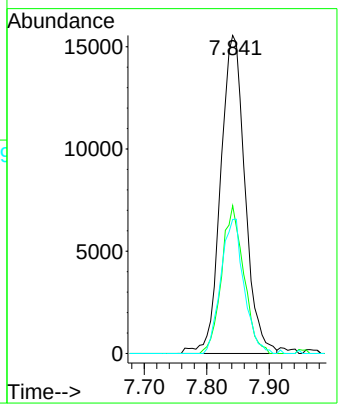




#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 42 Resp: 42072

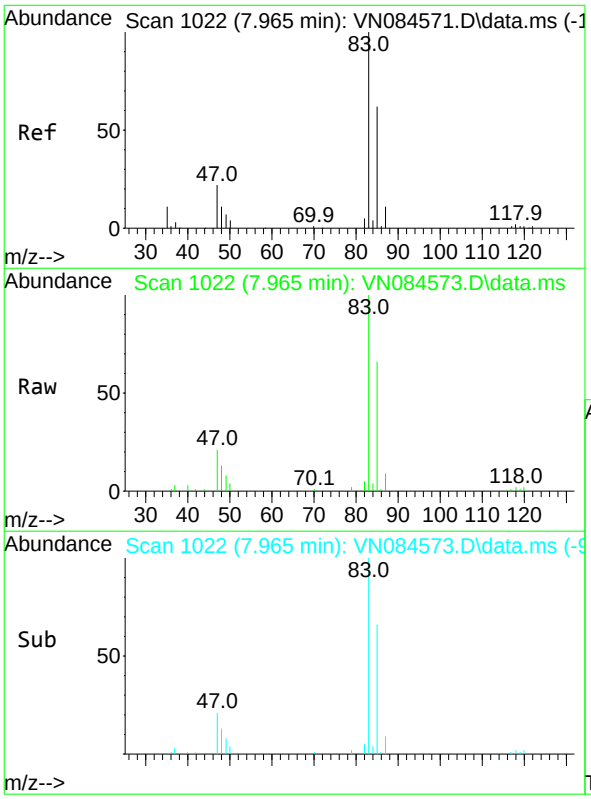
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	40.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

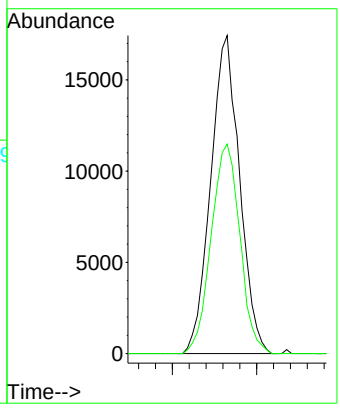
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

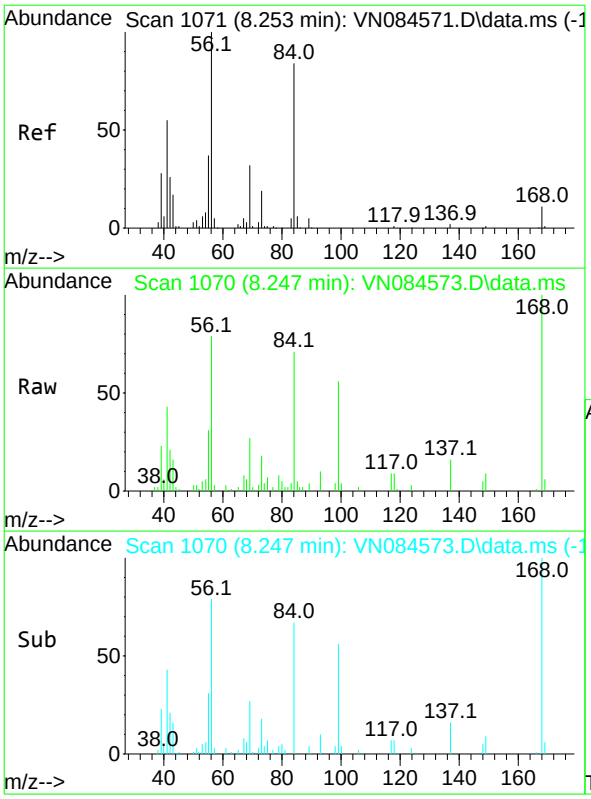


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4

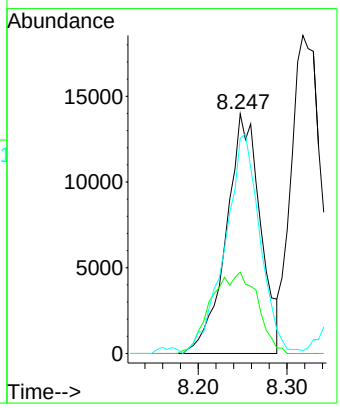




#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 37514

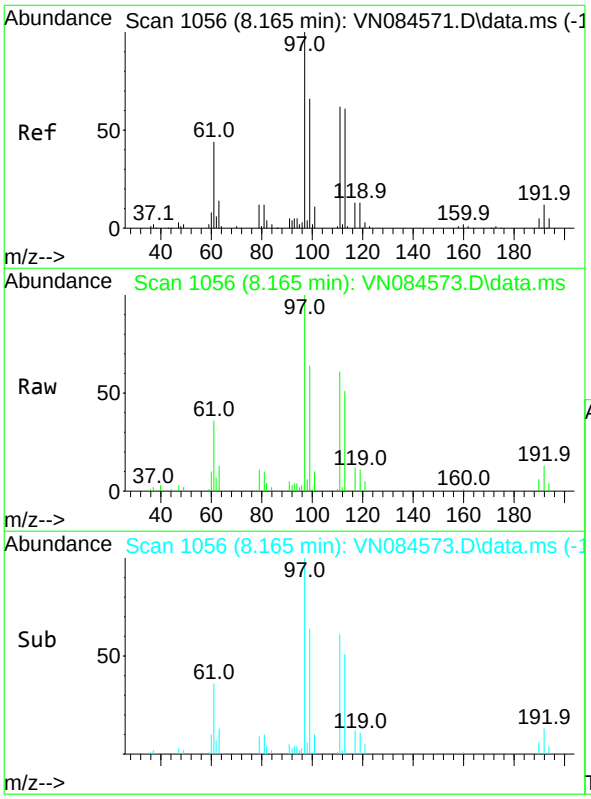
Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.8	35.6
84	88.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

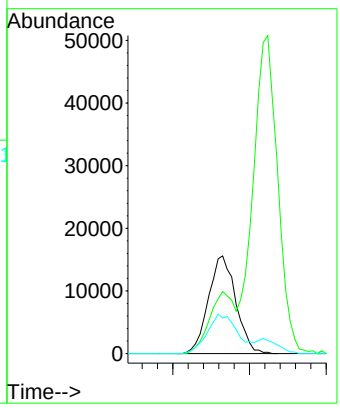
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

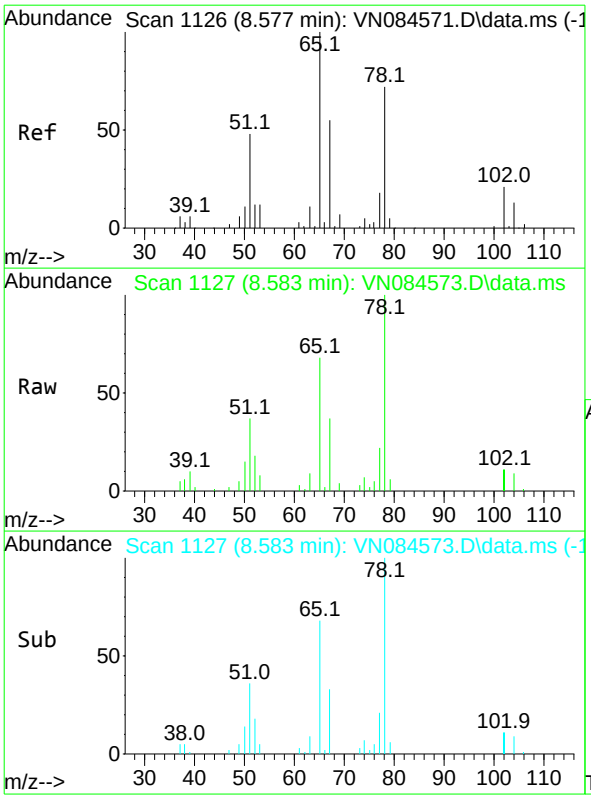


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 38612

Ion	Ratio	Lower	Upper
97	100		
99	57.5	51.2	76.8
61	45.3	37.5	56.3

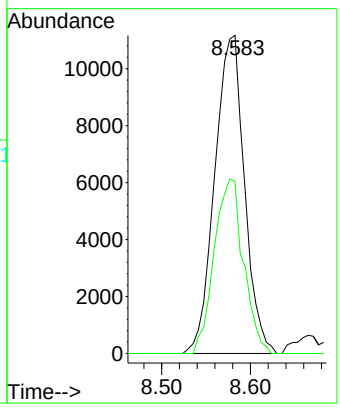




#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 65 Resp: 25986

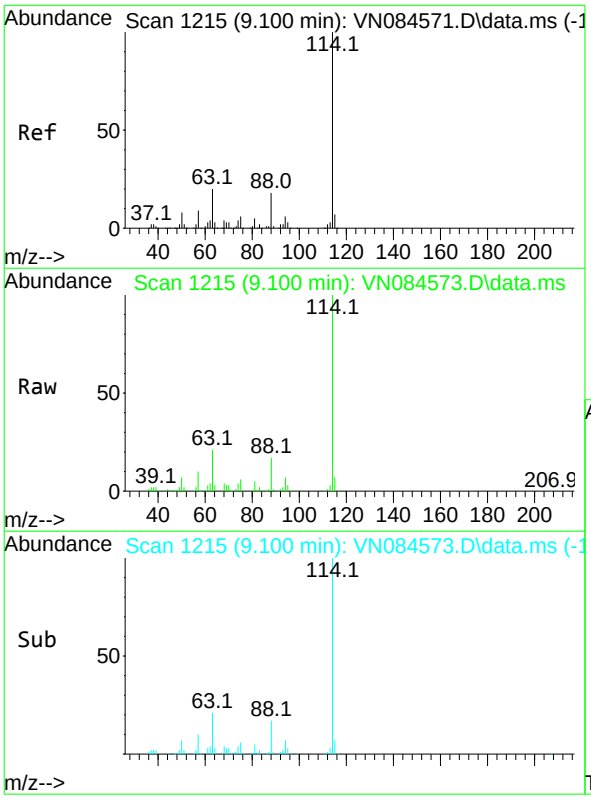
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

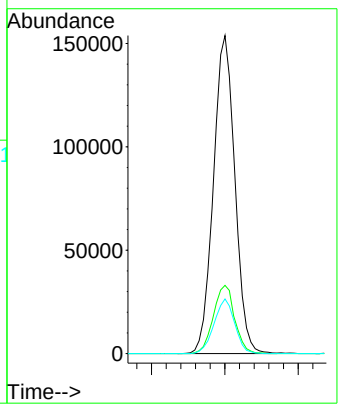
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

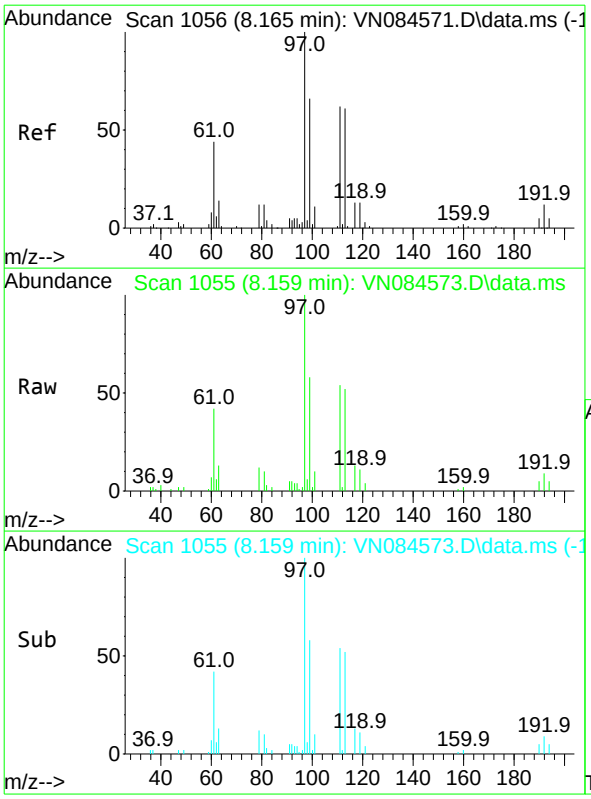


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:114 Resp: 312244

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.2	0.0	31.6

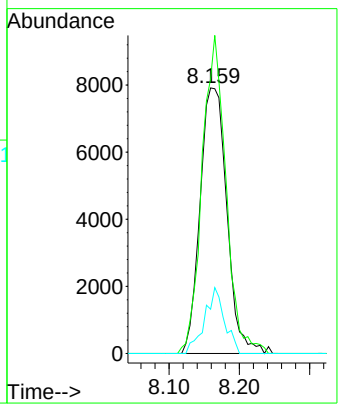




#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:113 Resp: 20969

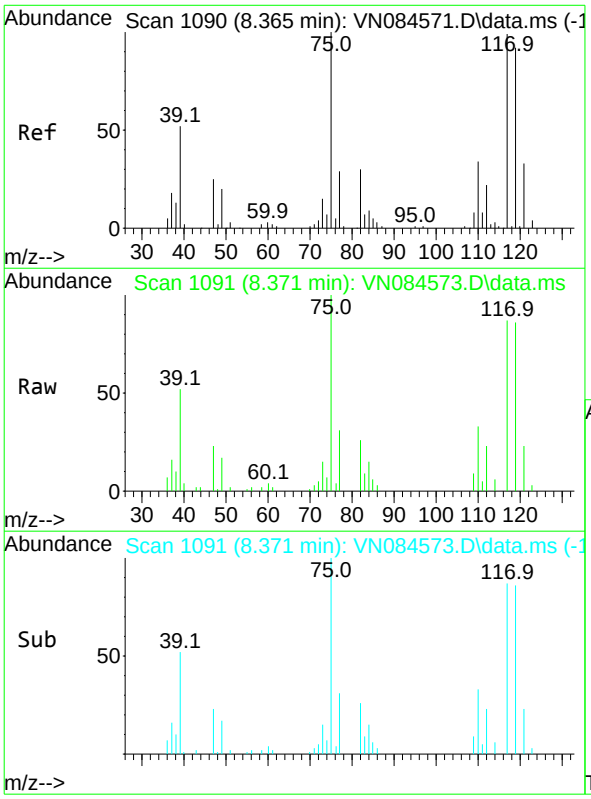
Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.3	124.9
192	18.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

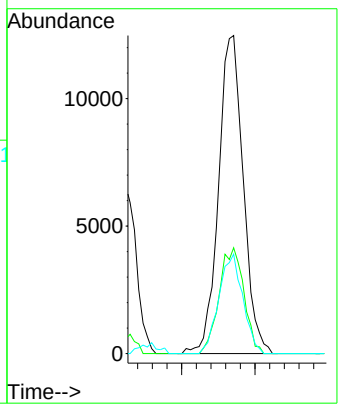
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

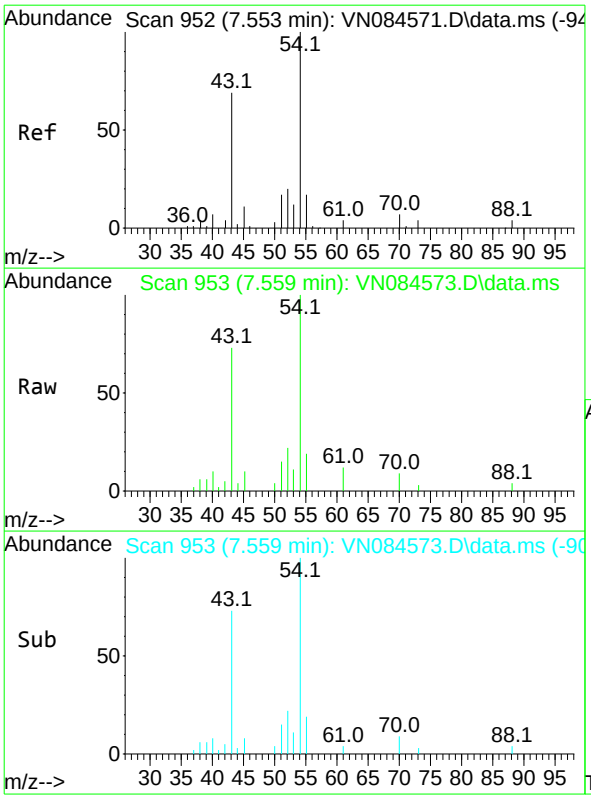


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 29218

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.3	24.7	37.1

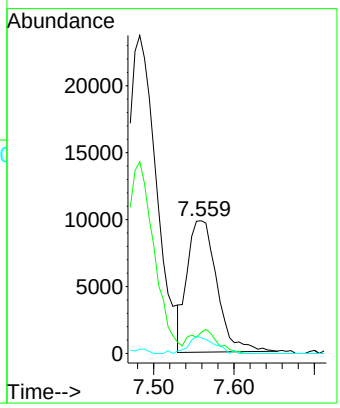




#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 25249

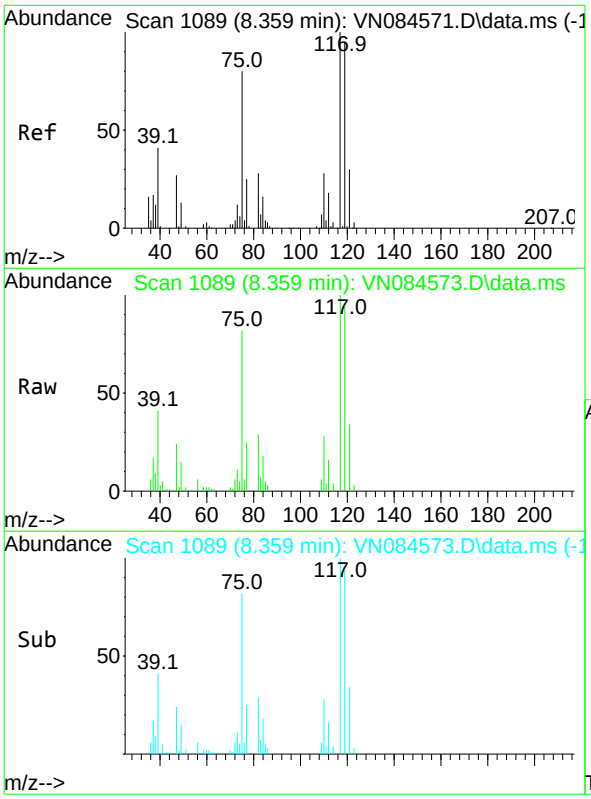
Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.6	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

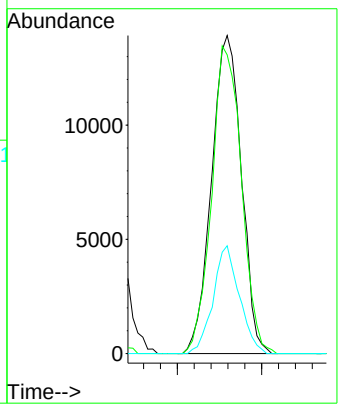
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

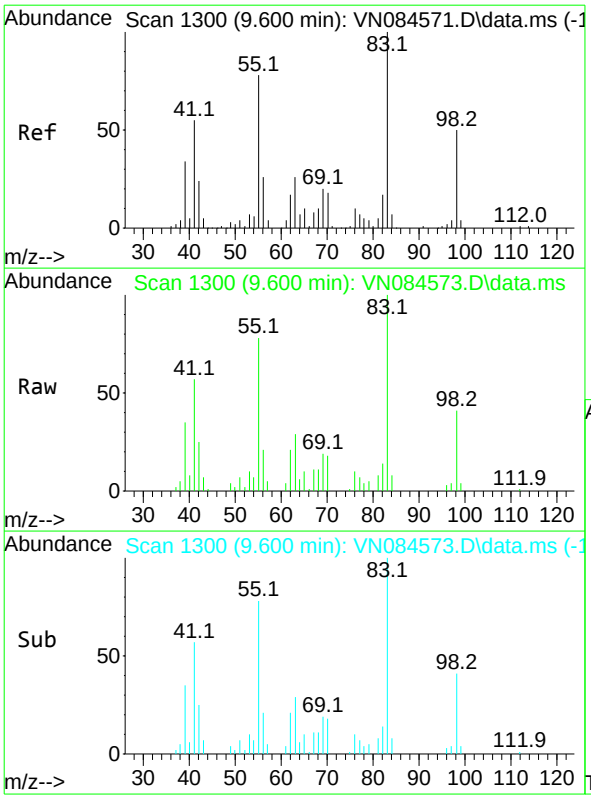


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 34214

Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.7	118.1
121	33.9	24.4	36.6

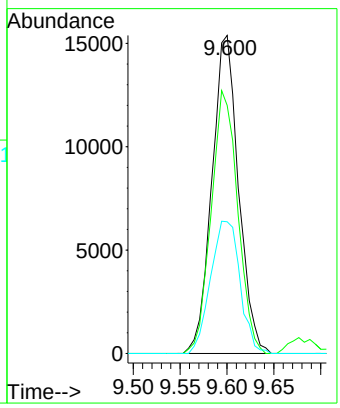




#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30390

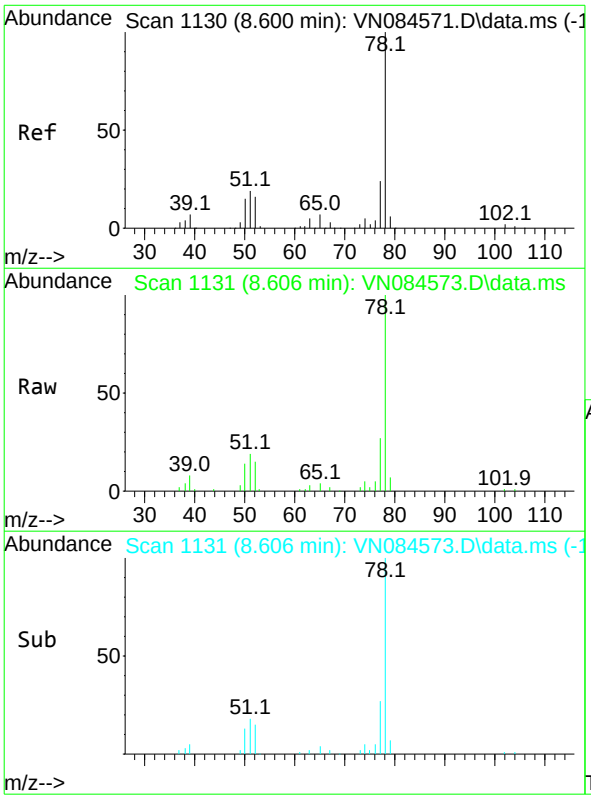
Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	41.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

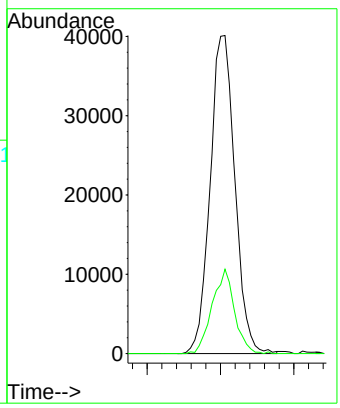
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

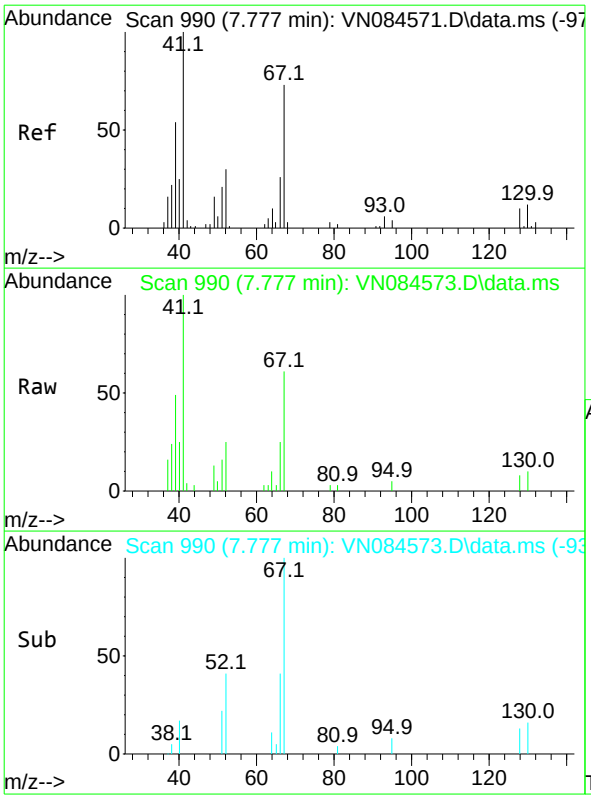


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7

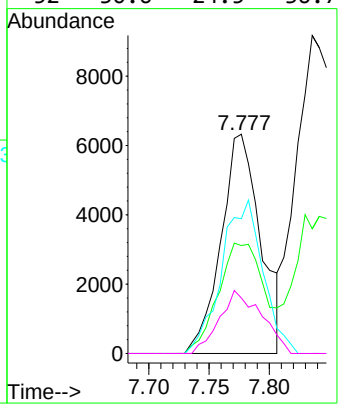




#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 14485

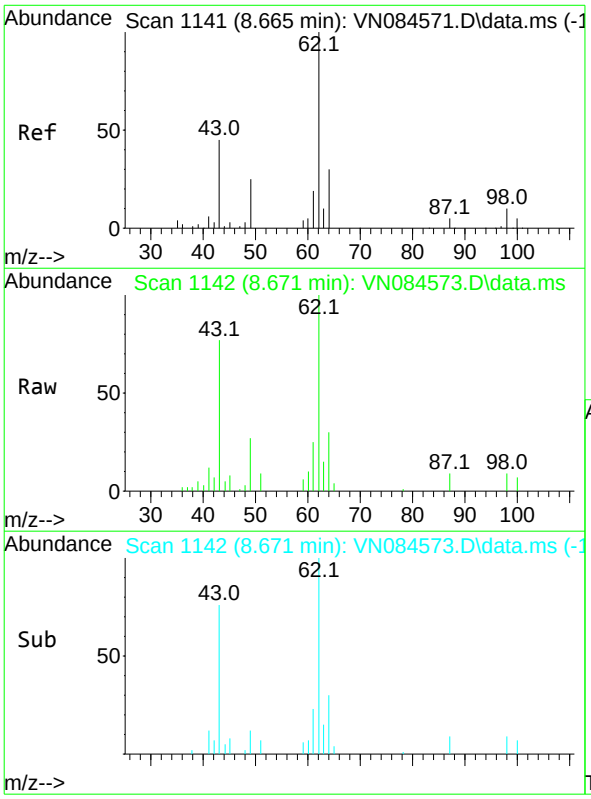
Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.3	64.9
67	72.8	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

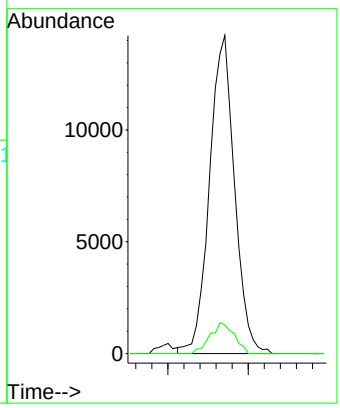
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

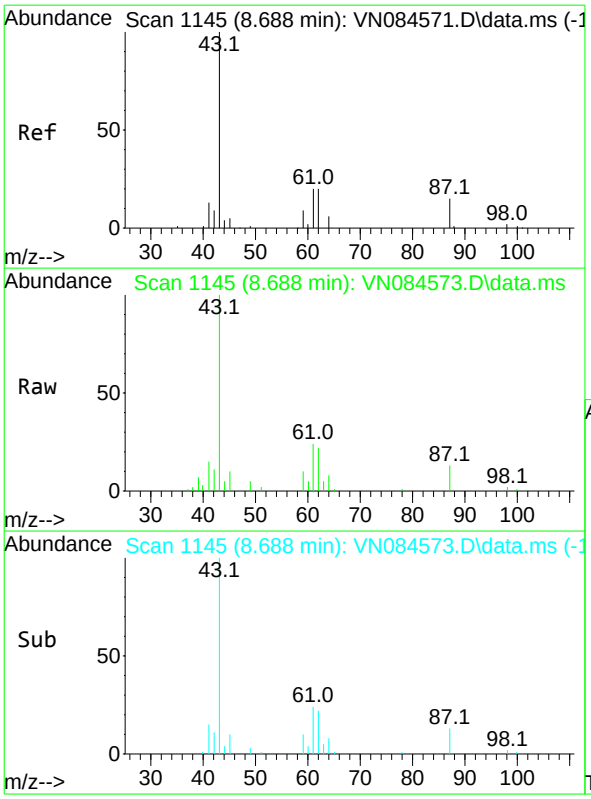


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

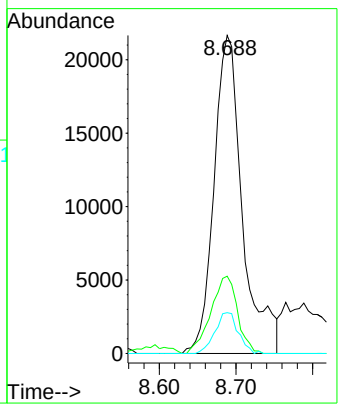




#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 55871

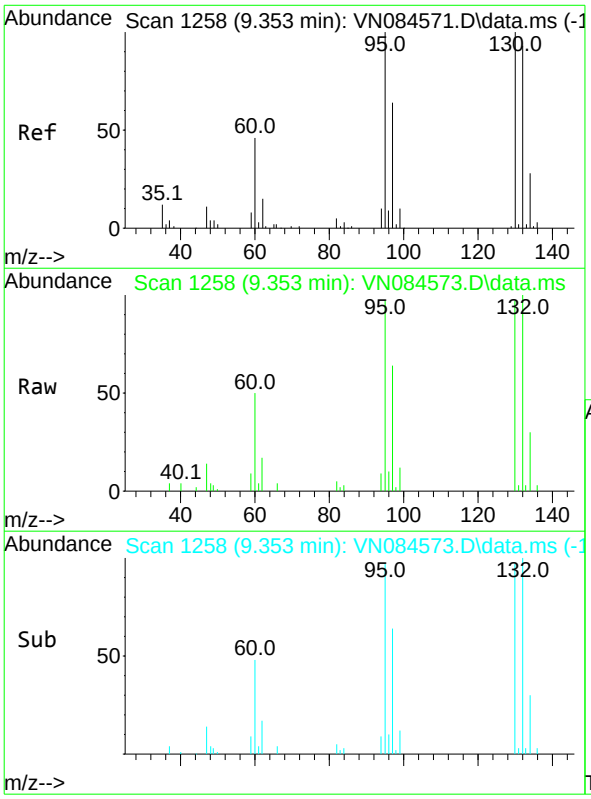
Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.4	30.6
87	10.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

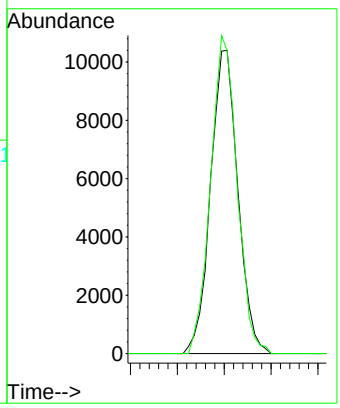
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

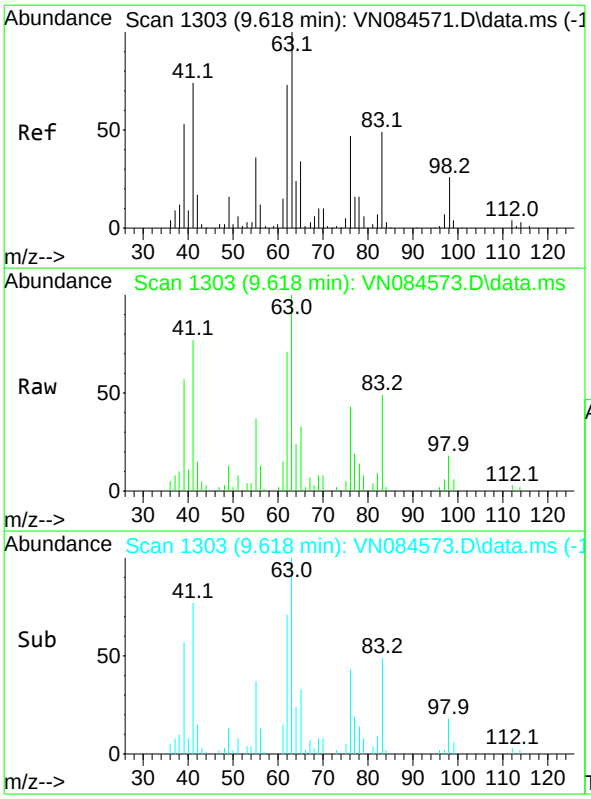


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0

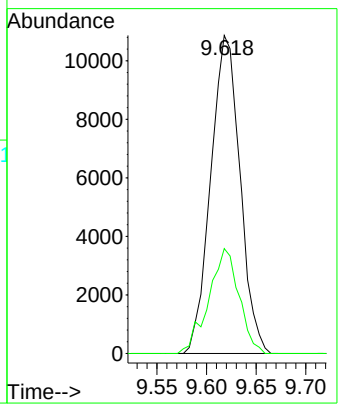




#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 22314

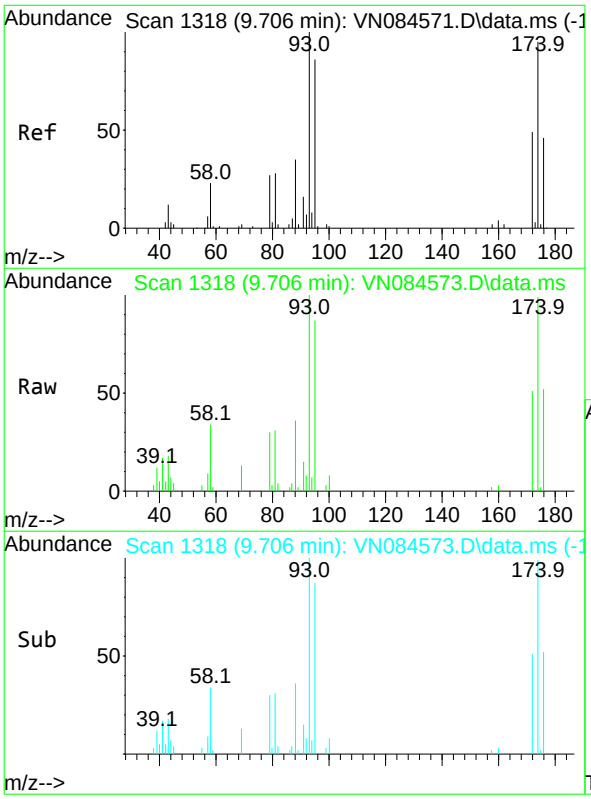
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

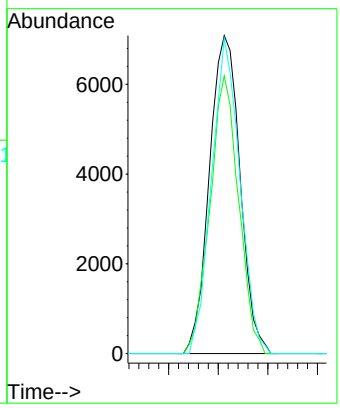
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

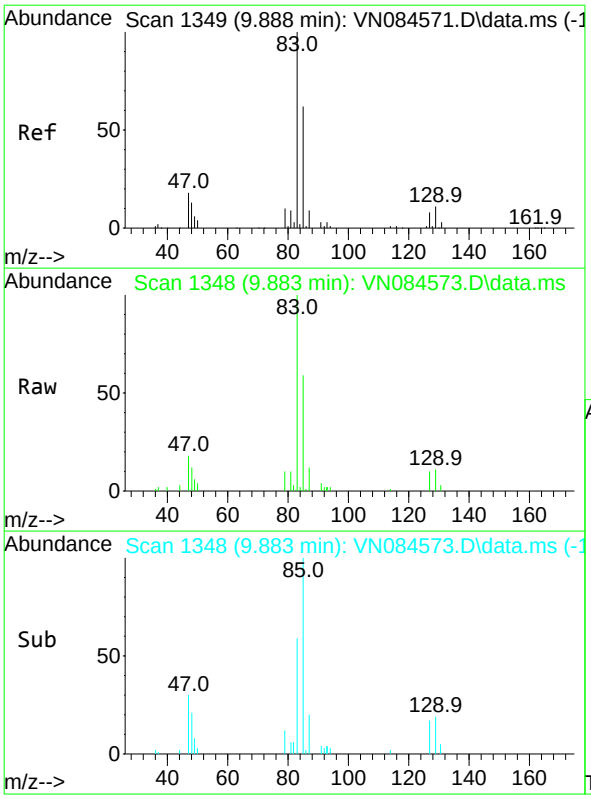


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 93 Resp: 15211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	91.7	71.8	107.8

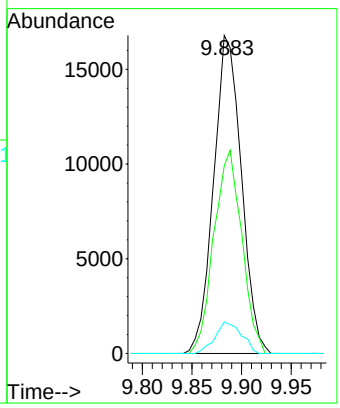




#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 32612

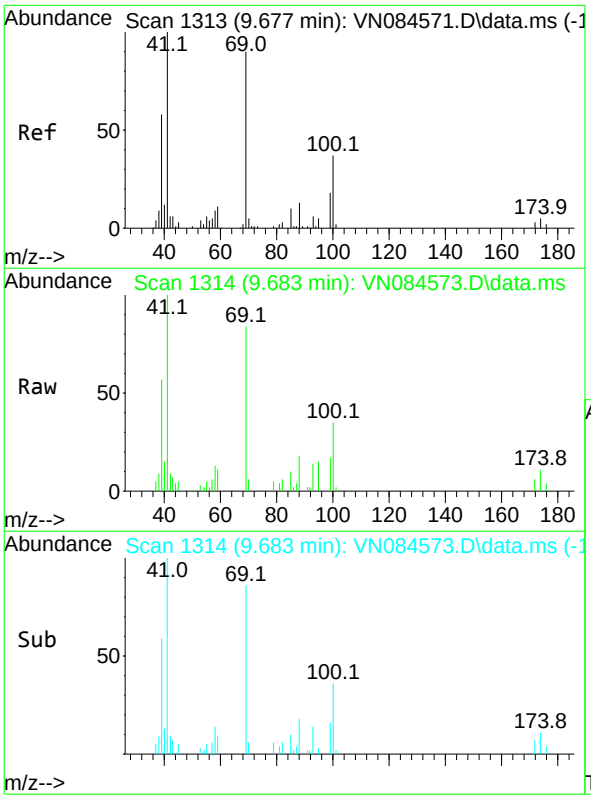
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.5	77.3
127	9.9	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

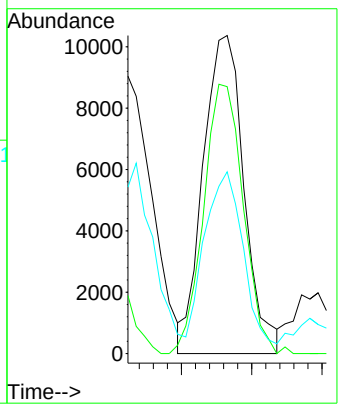
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

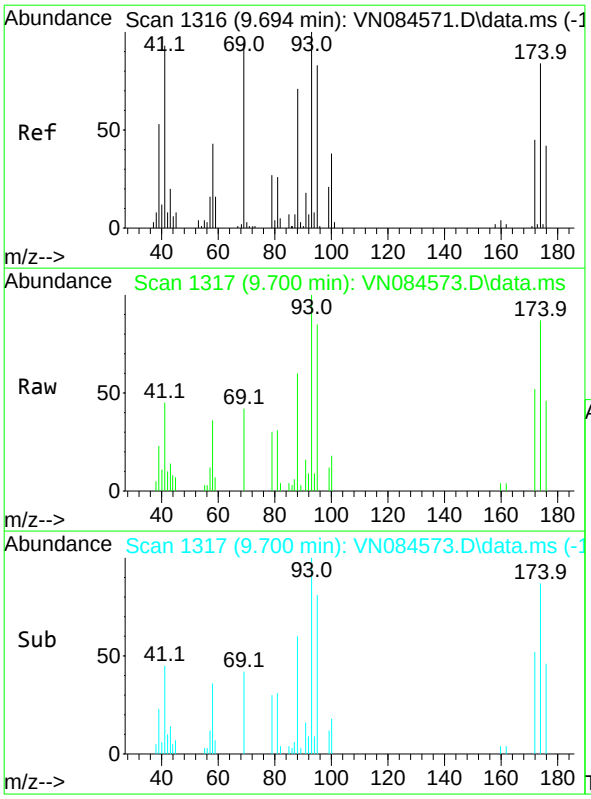


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 20961

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	55.2	45.8	68.6

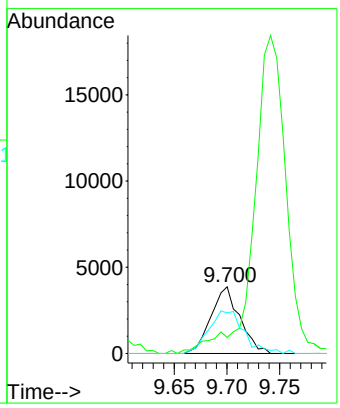




#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 88 Resp: 7375

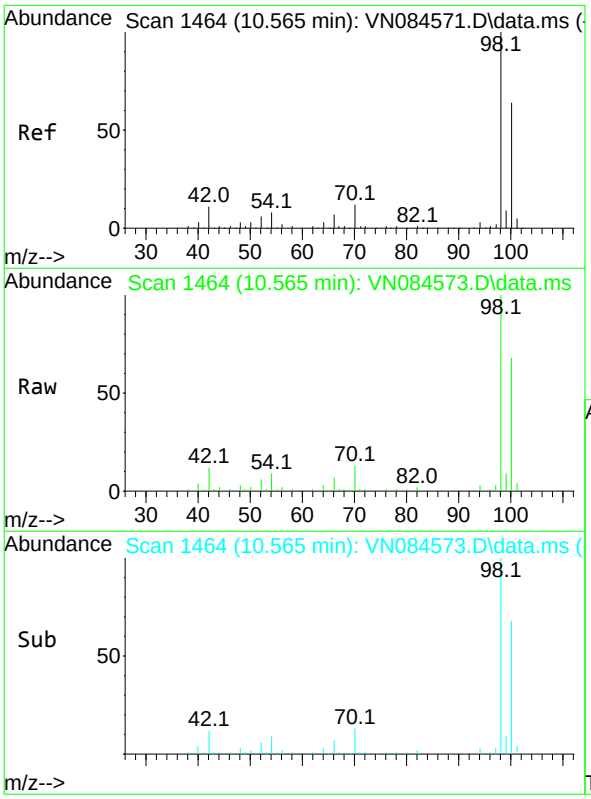
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	78.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

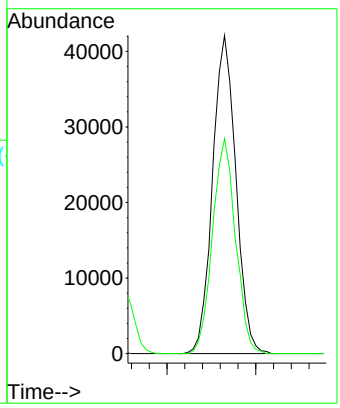
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

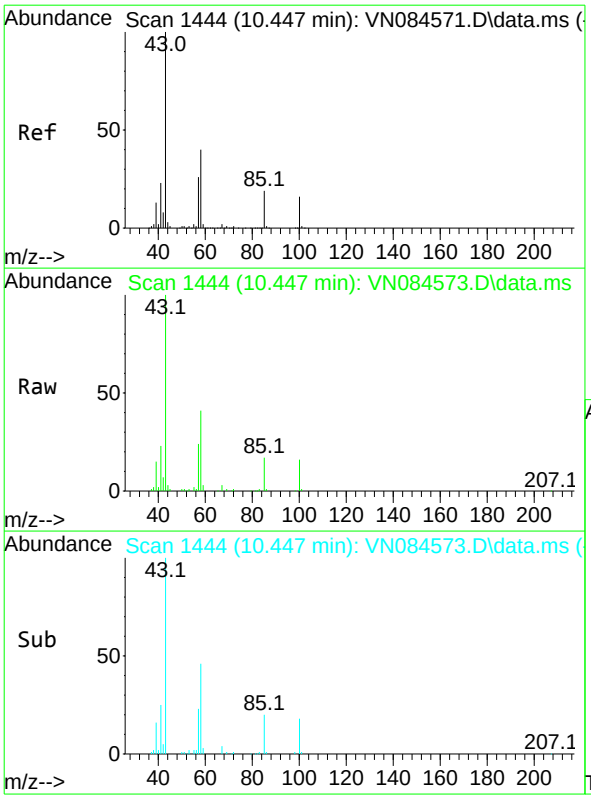


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1

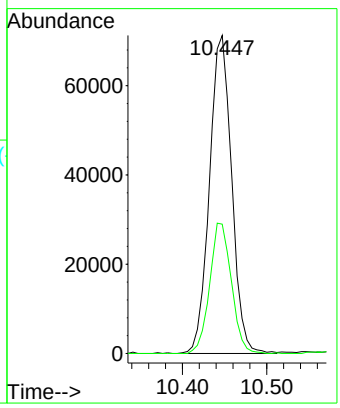




#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 130324

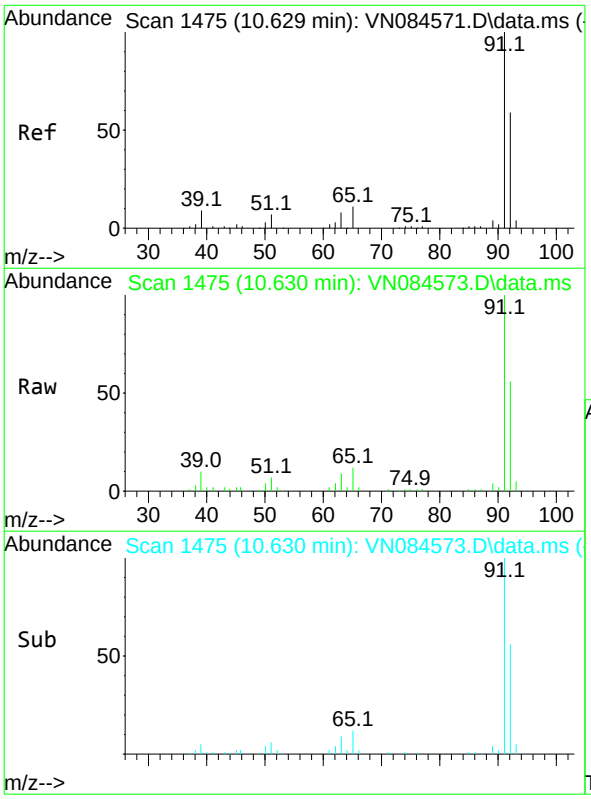
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

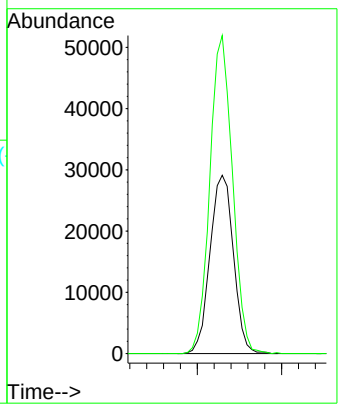
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

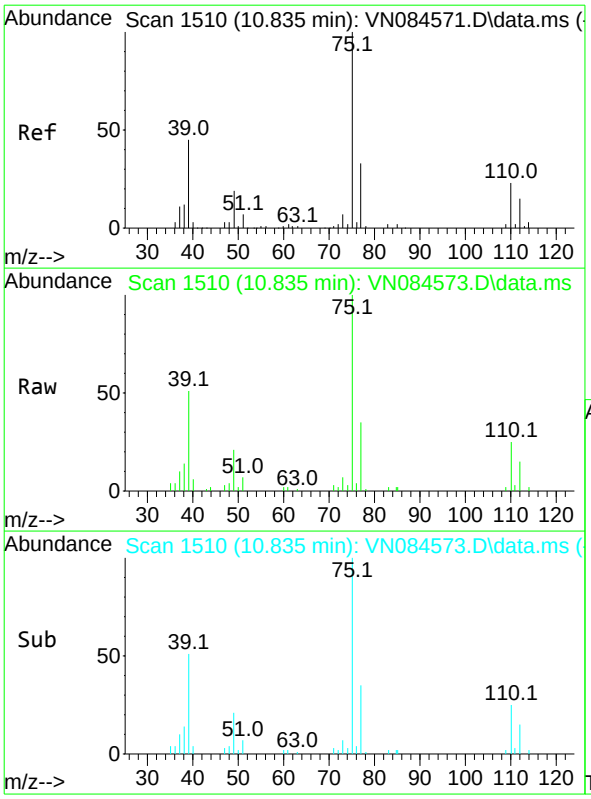


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9

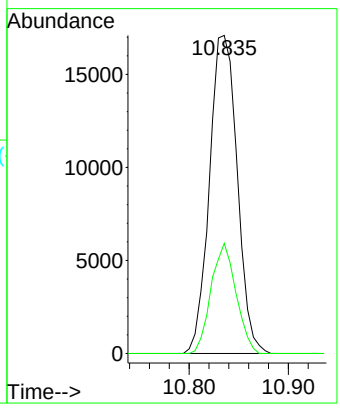




#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 33220

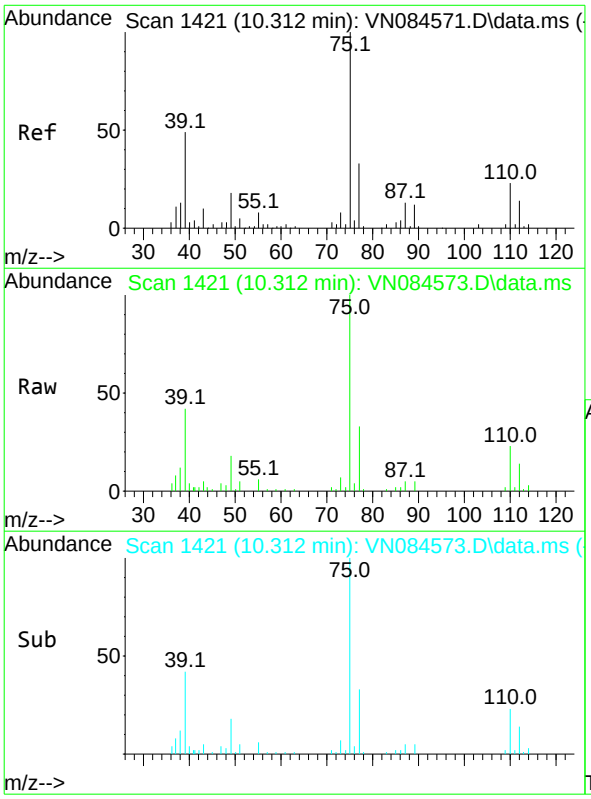
Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

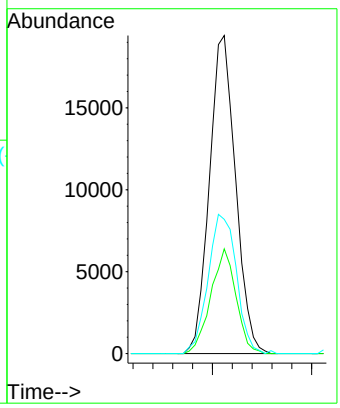
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

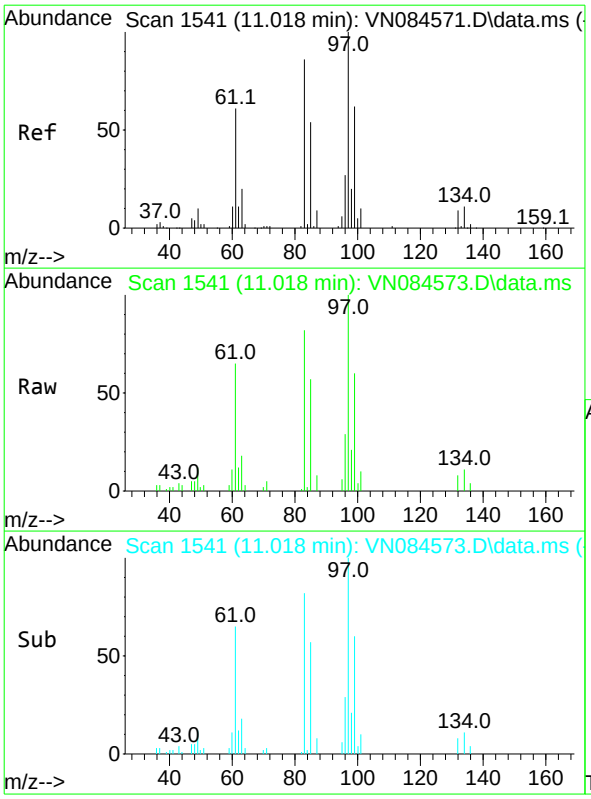


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 35562

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.2	36.2
39	42.2	38.7	58.1

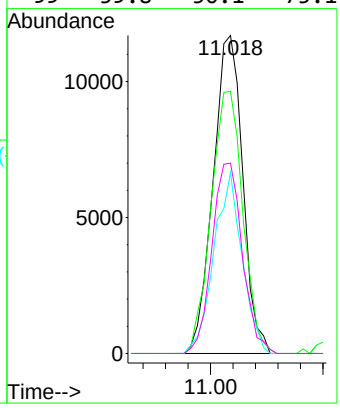




#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 21367

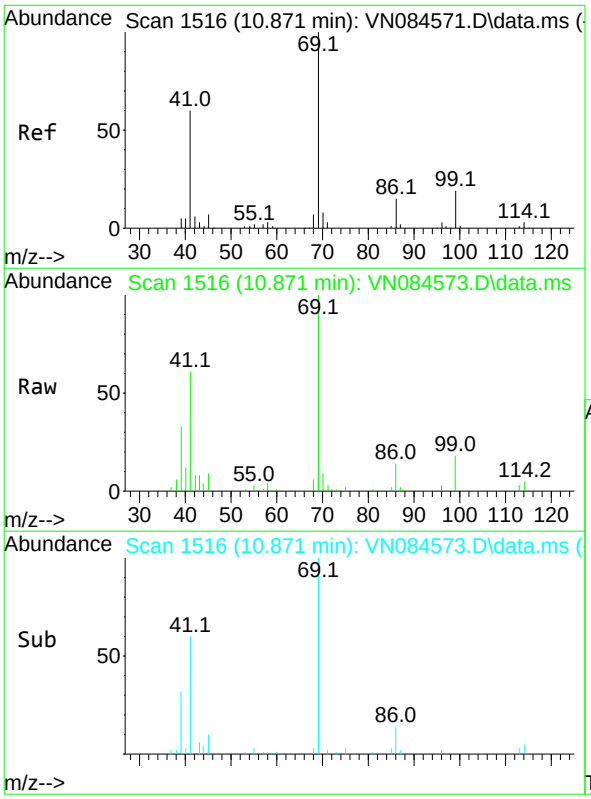
Ion	Ratio	Lower	Upper
97	100		
83	82.4	71.0	106.4
85	56.9	41.7	62.5
99	59.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

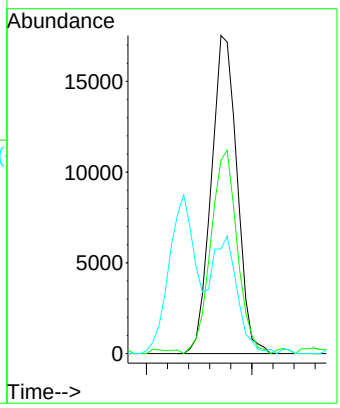
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

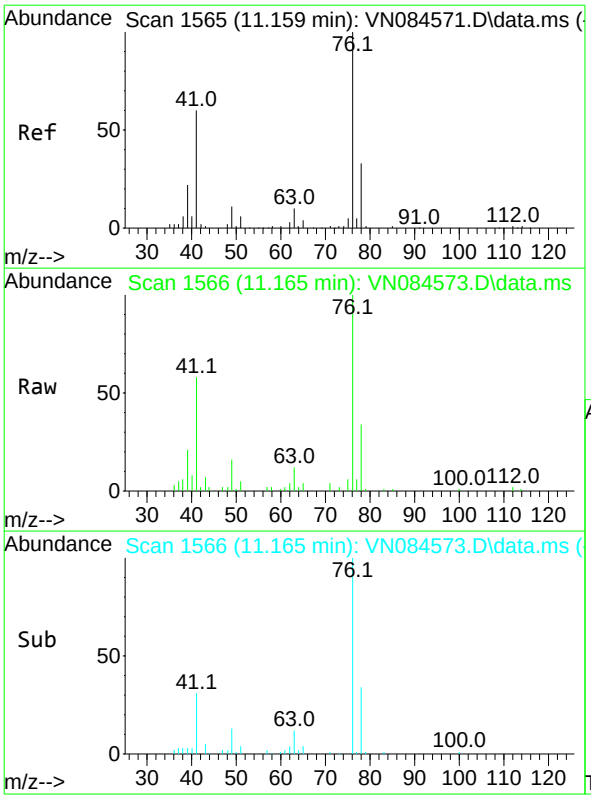


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 69 Resp: 29804

Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.3	79.9
39	37.1	28.8	43.2

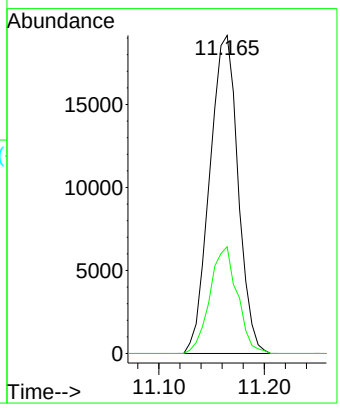




#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 35790

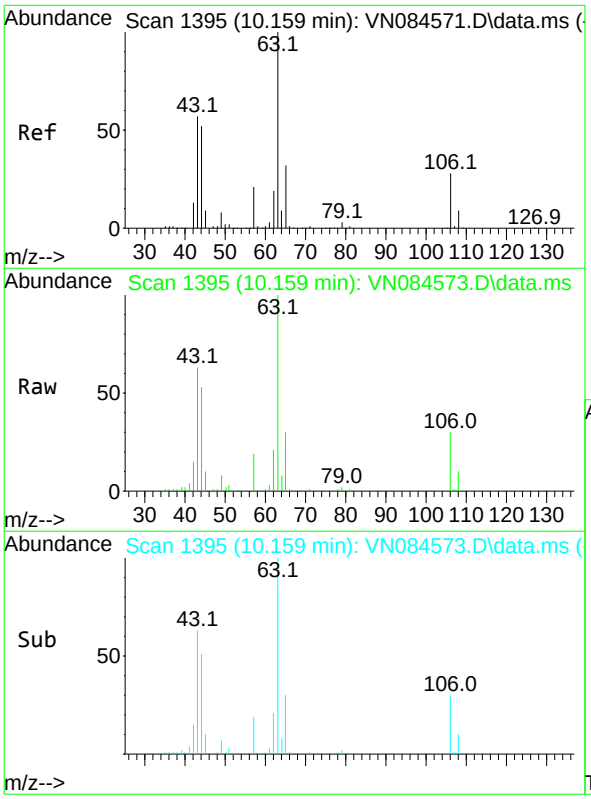
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

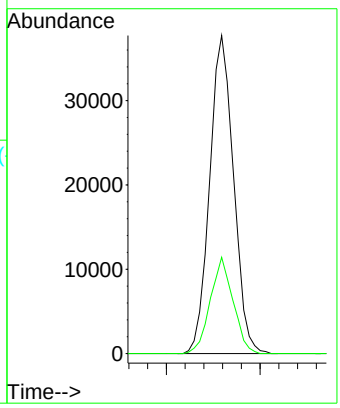
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

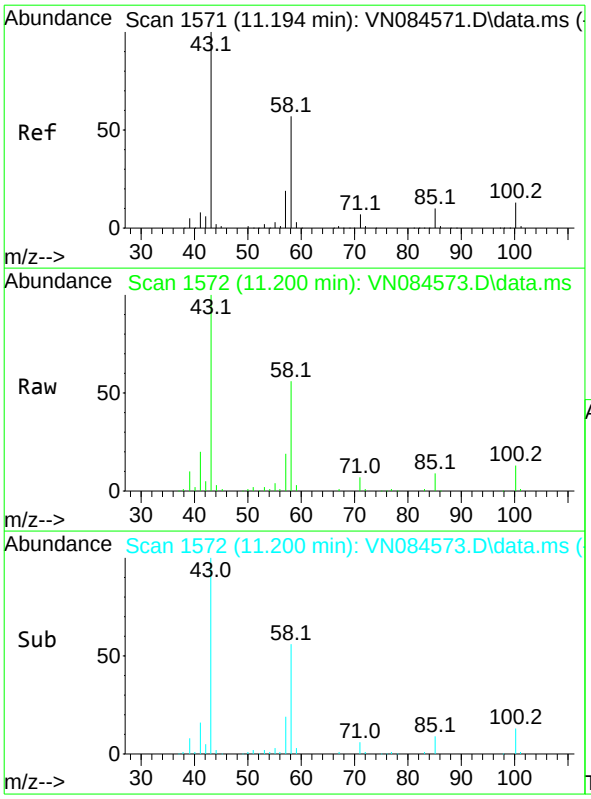


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

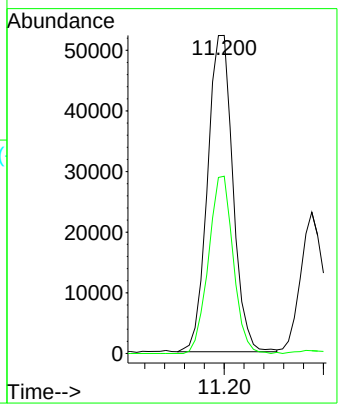




#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 92772

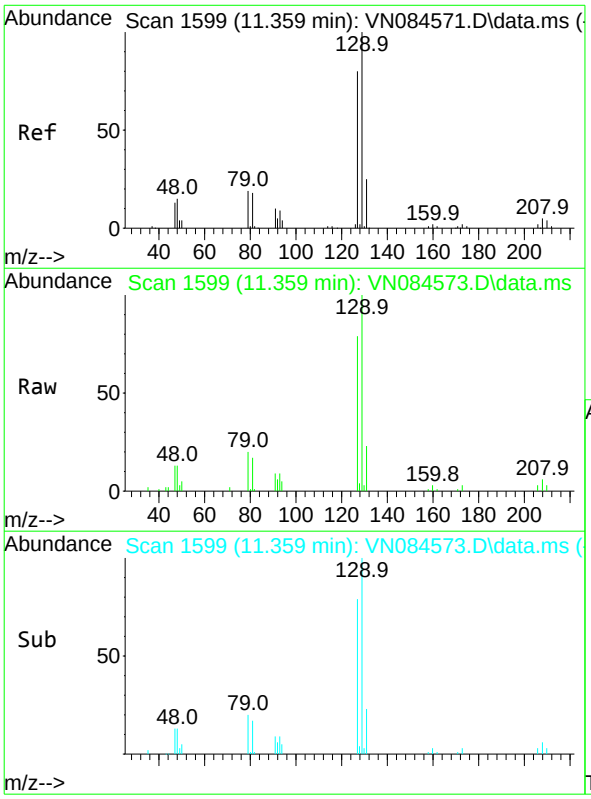
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

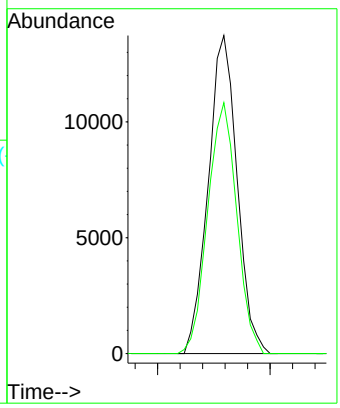
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

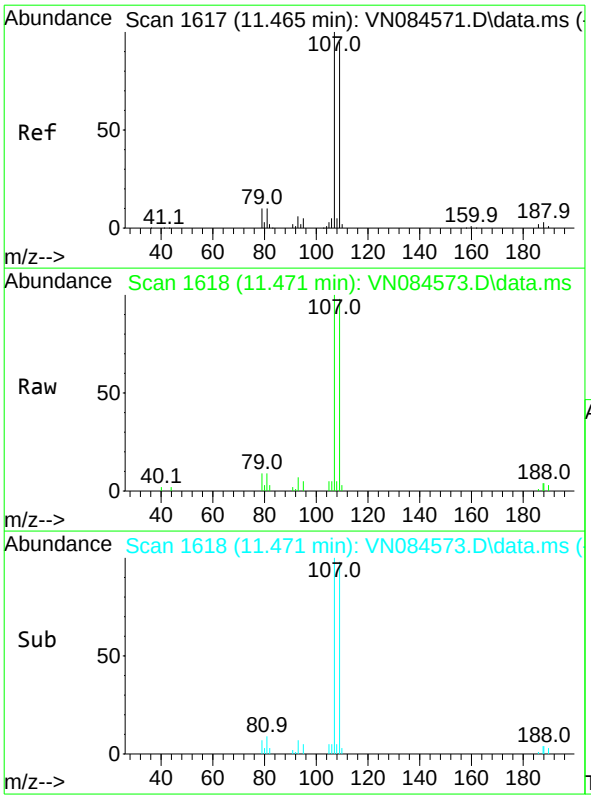


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9

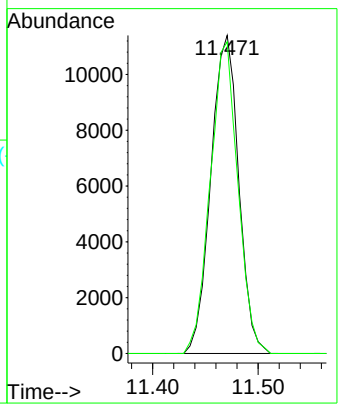




#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:107 Resp: 20895

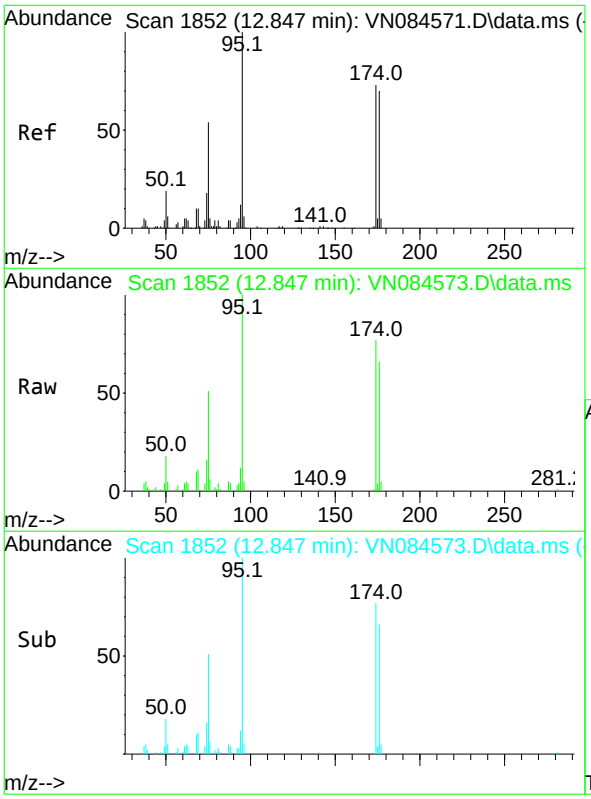
Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

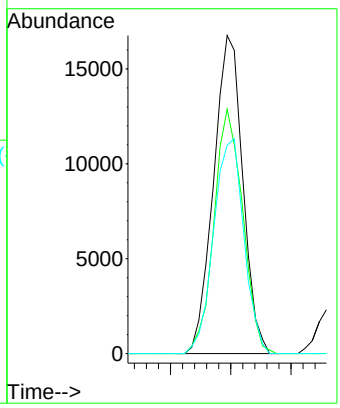
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

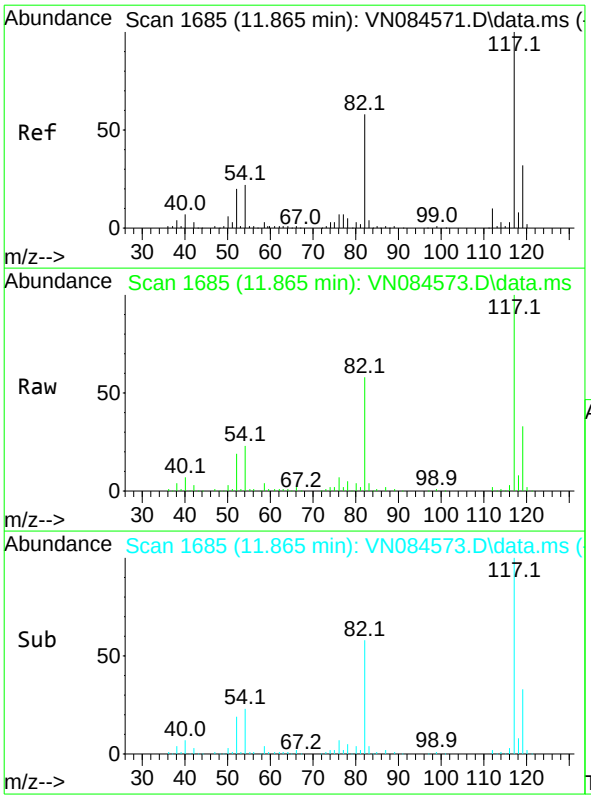


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 95 Resp: 28191

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	70.1	0.0	140.0

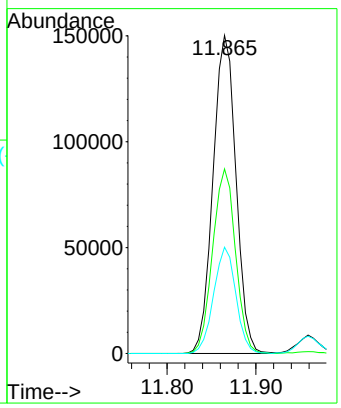




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 270408

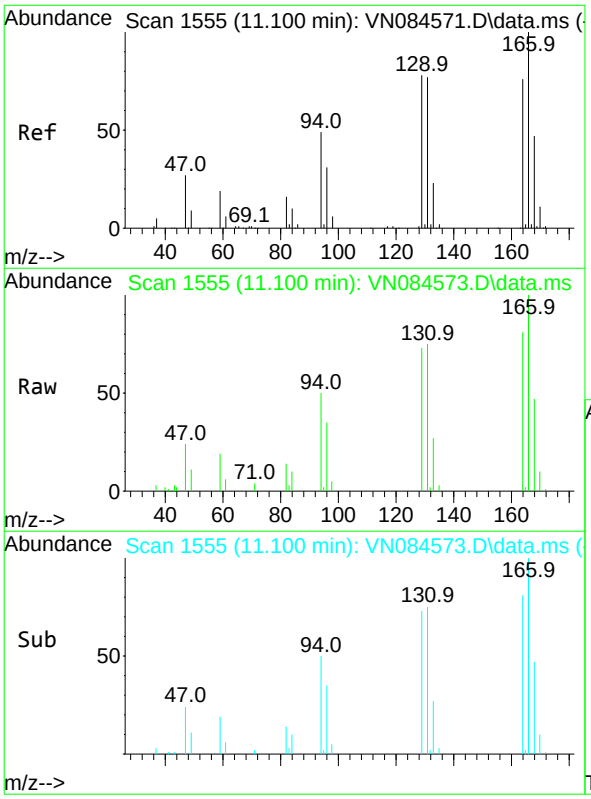
Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	33.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

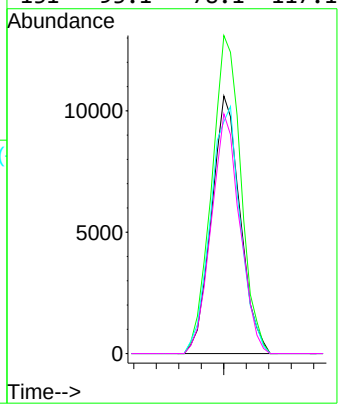
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

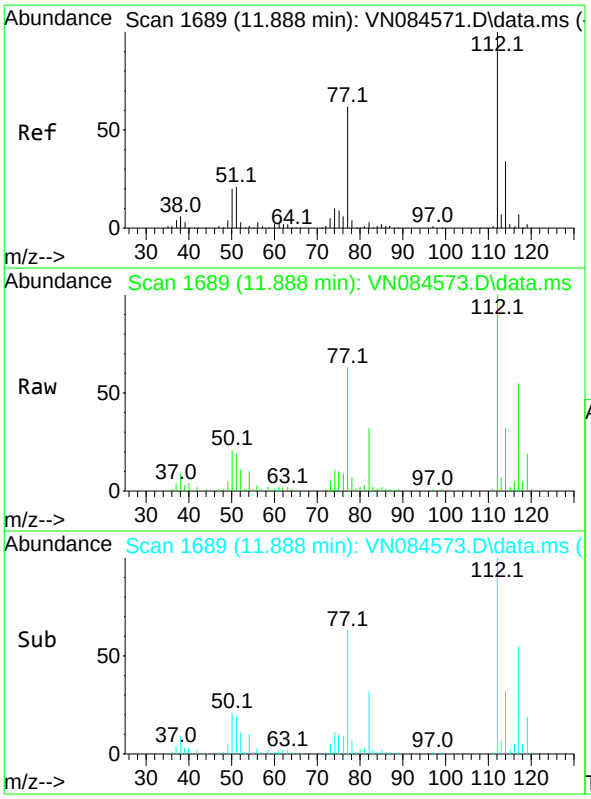


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:164 Resp: 18777

Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.0	151.4
129	90.0	80.8	121.2
131	93.1	78.1	117.1

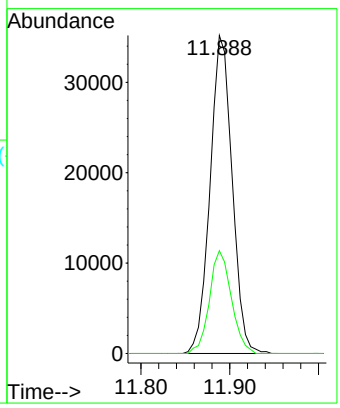




#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:112 Resp: 60746

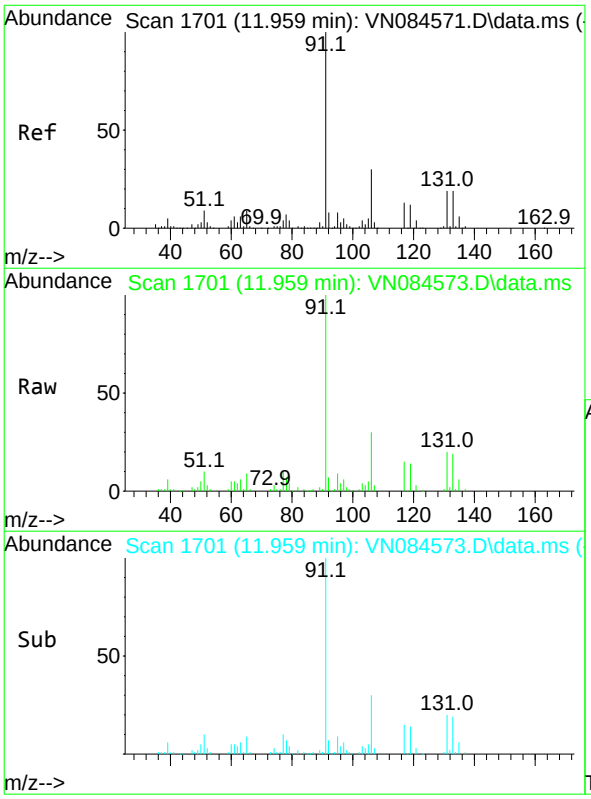
Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

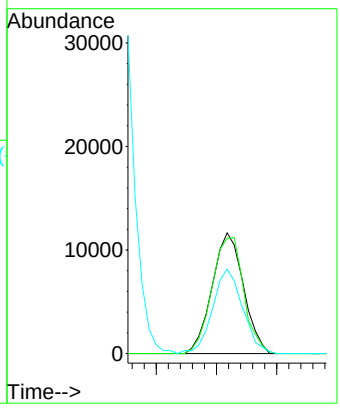
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

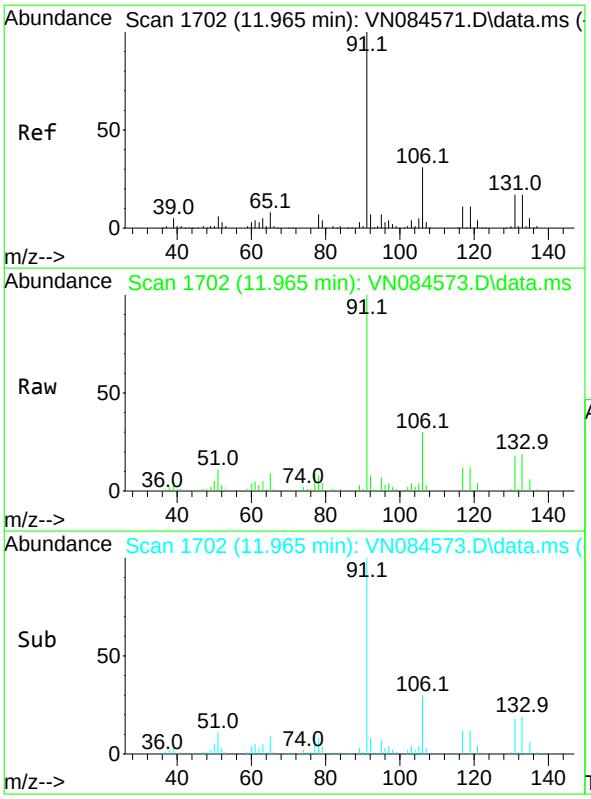


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:131 Resp: 21080

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.9	143.7
119	66.8	32.8	98.3

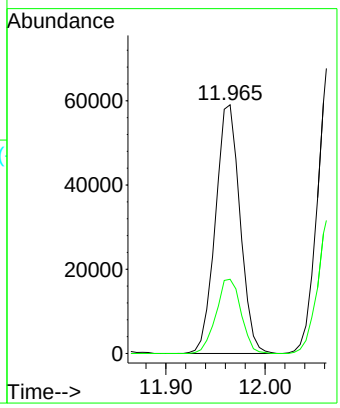




#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 101653

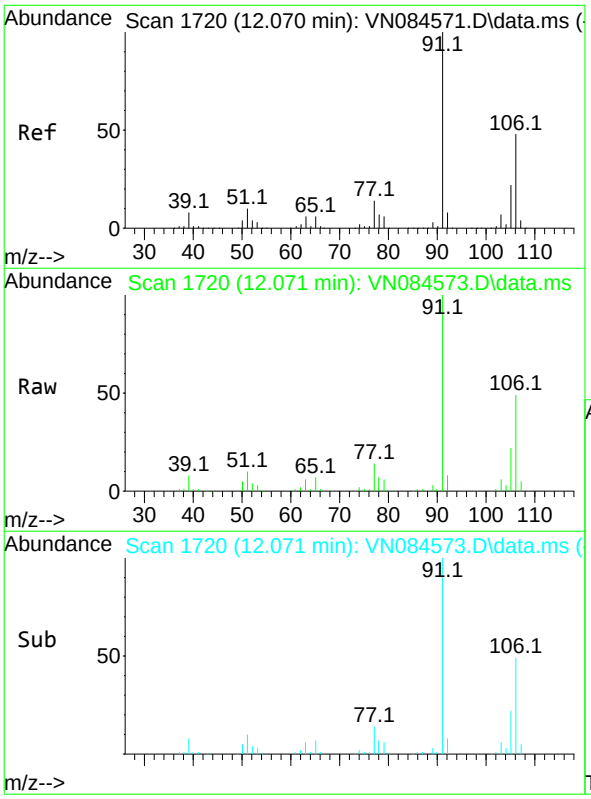
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

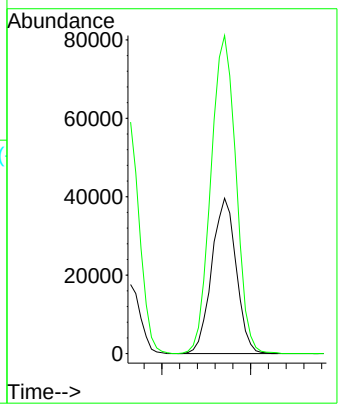
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

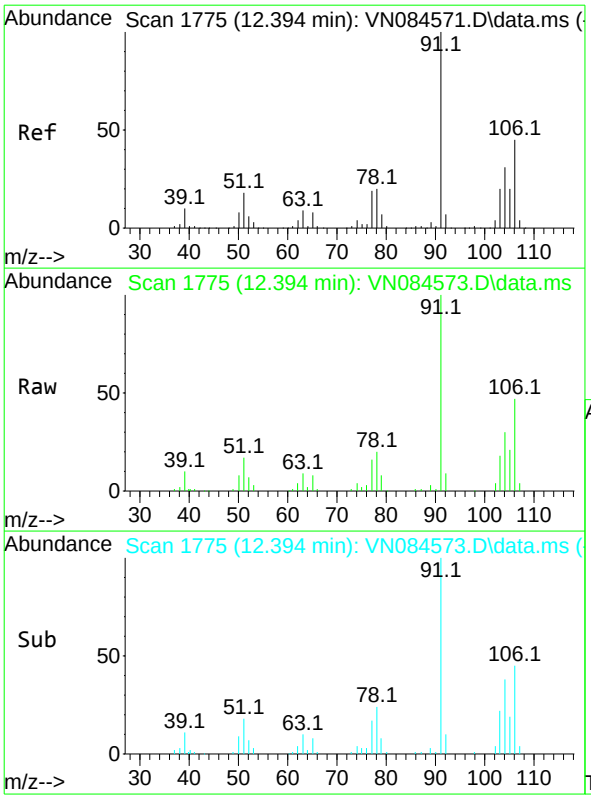


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7

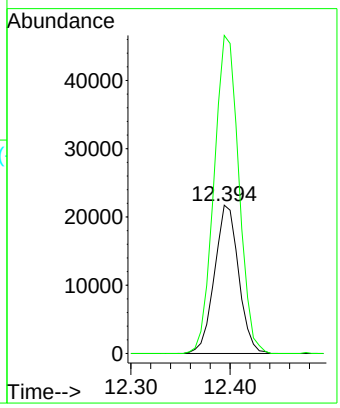




#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 36696

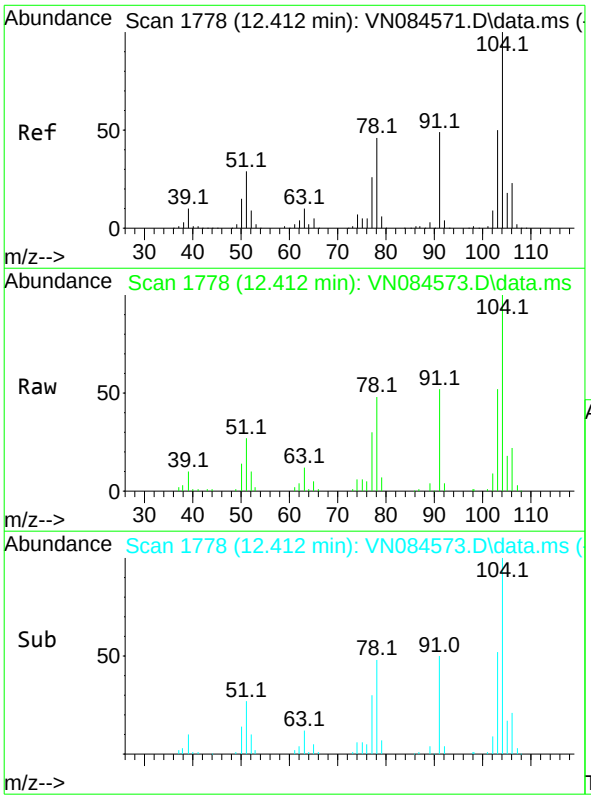
Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

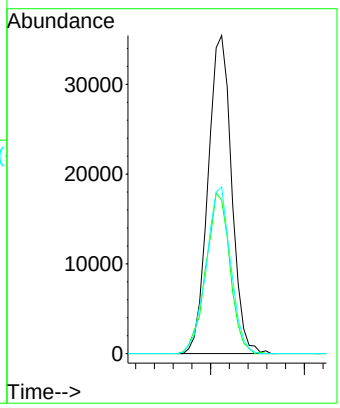
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

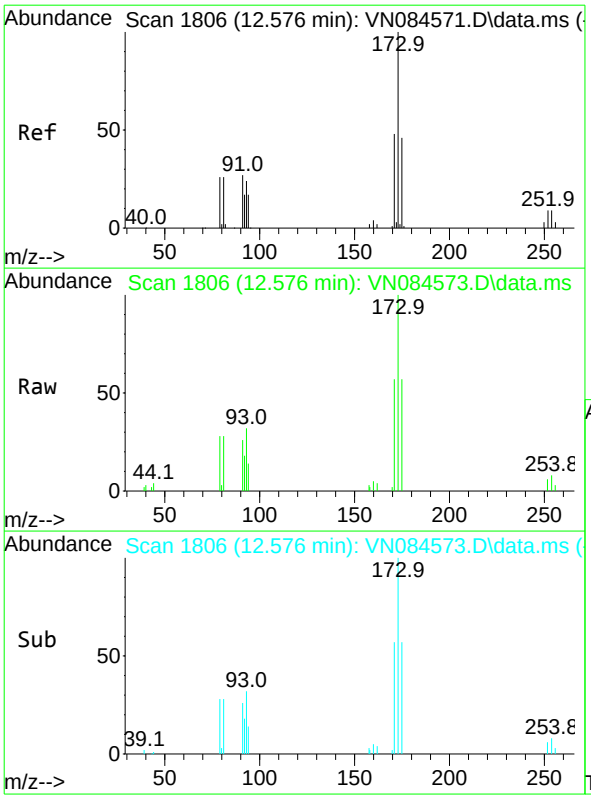


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:104 Resp: 61865

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.2	43.6	65.4

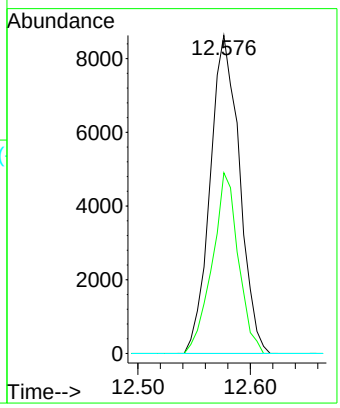




#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:173 Resp: 15630

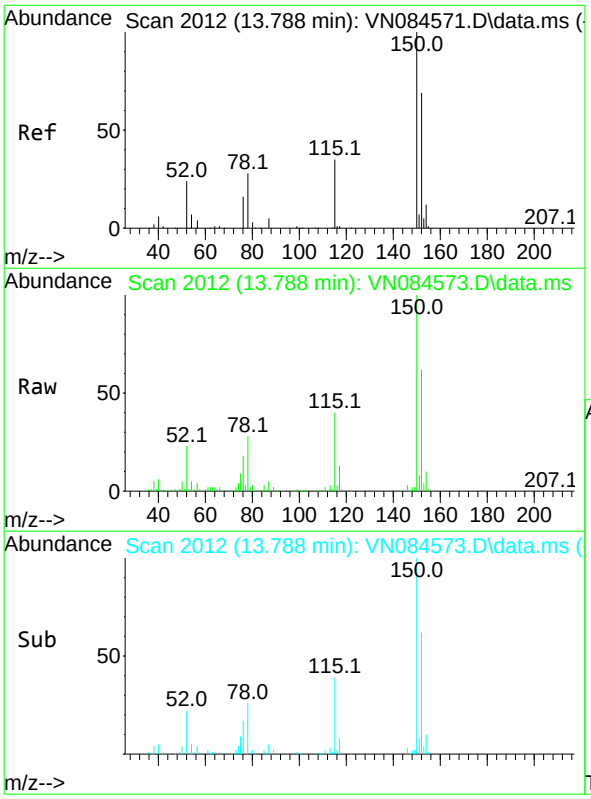
Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

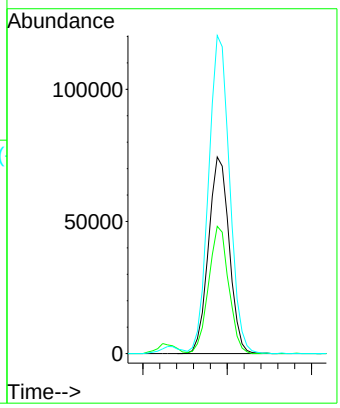
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

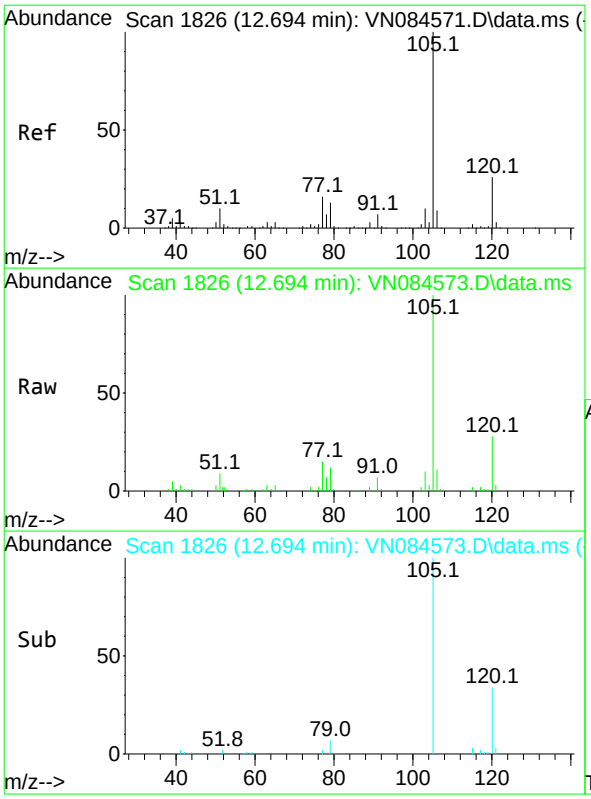


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:152 Resp: 127178

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	163.6	0.0	349.8

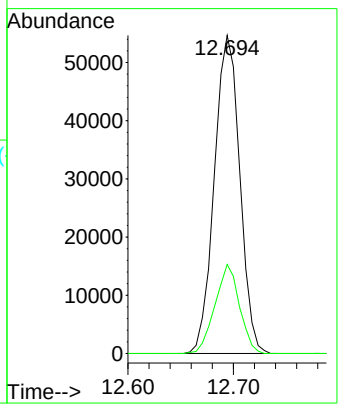




#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 91683

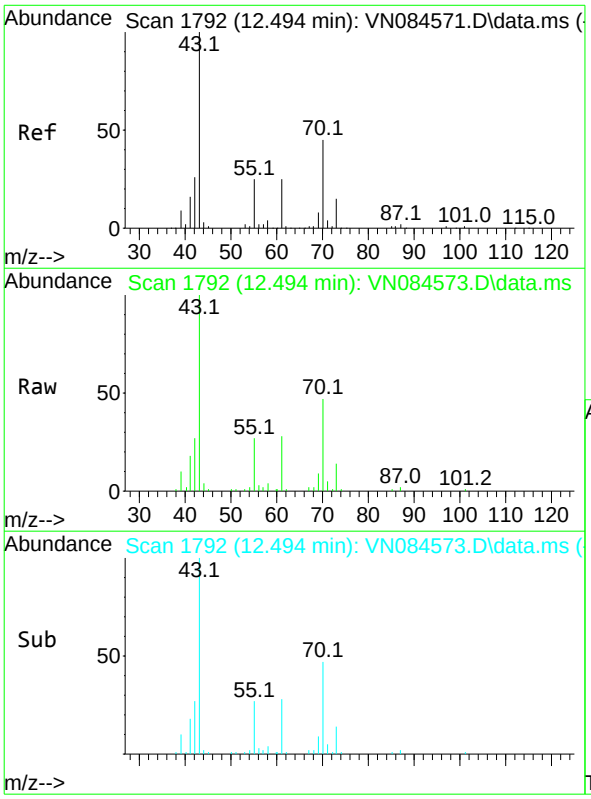
Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

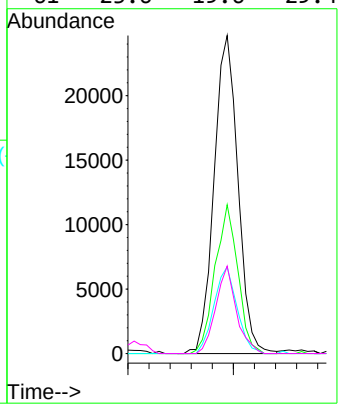
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

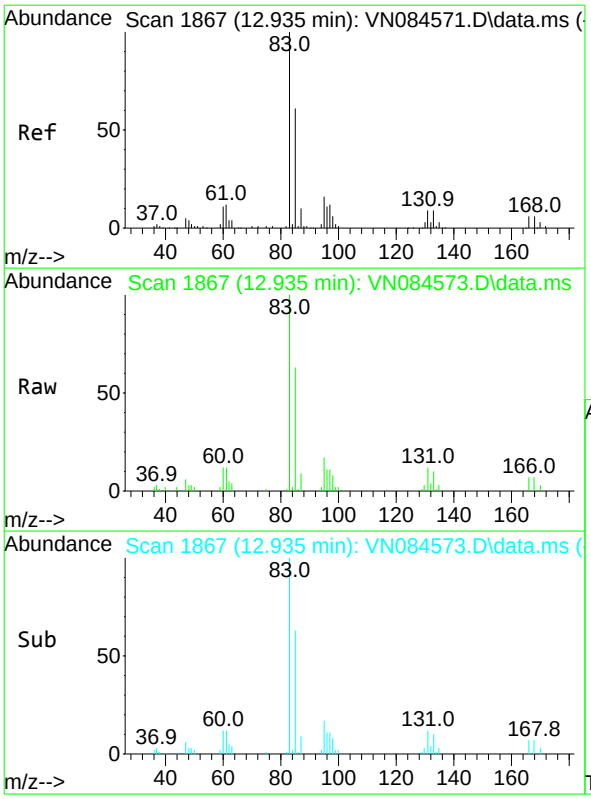


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 38841

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.4	51.6
55	26.2	19.6	29.4
61	23.6	19.6	29.4

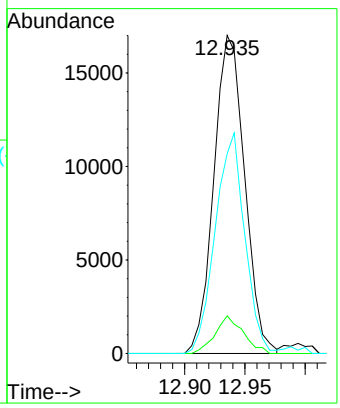




#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30270

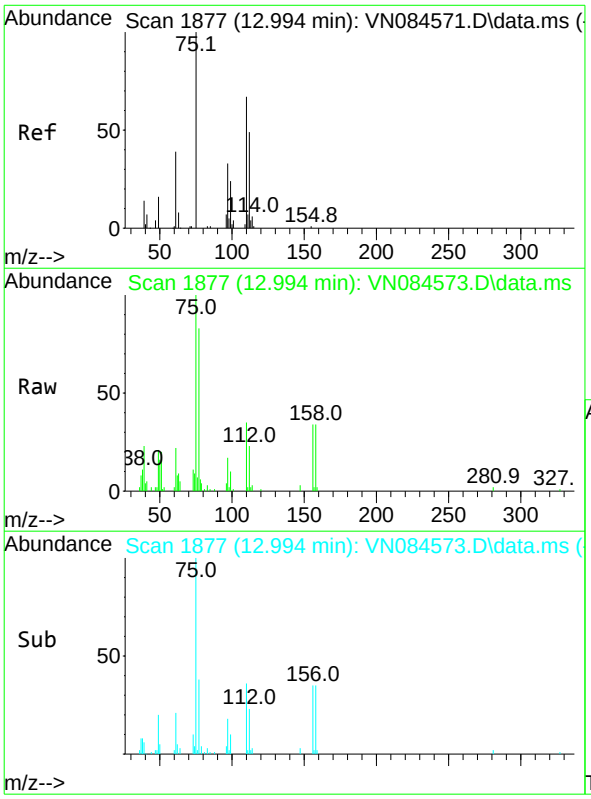
Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

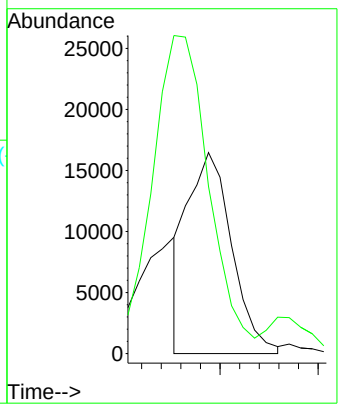
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

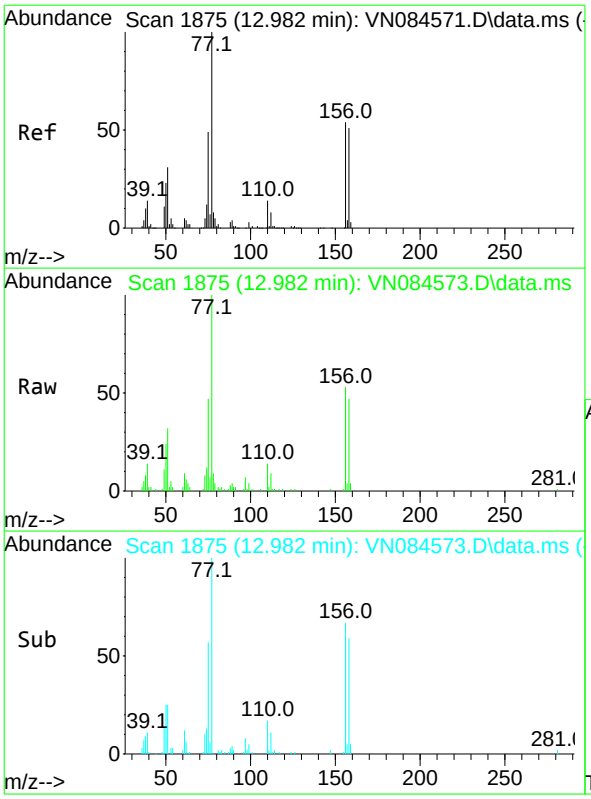


#76
1,2,3-Trichloropropane
Concen: 10.336 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 25940

Ion	Ratio	Lower	Upper
75	100		
77	202.8	96.9	290.7

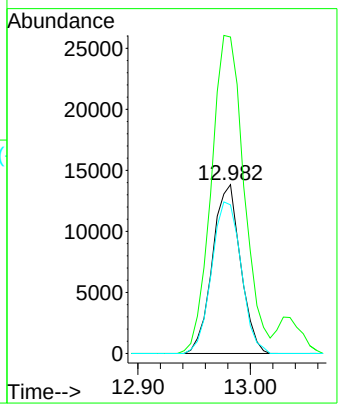




#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:156 Resp: 23987

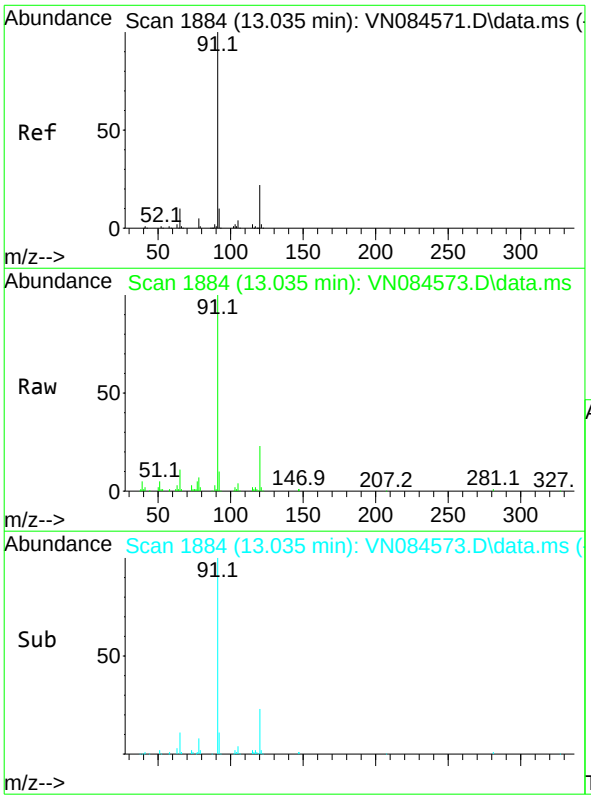
Ion	Ratio	Lower	Upper
156	100		
77	219.4	115.1	345.3
158	94.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

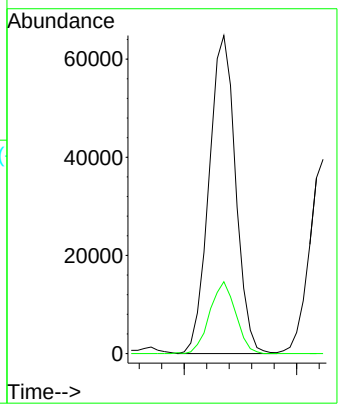
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

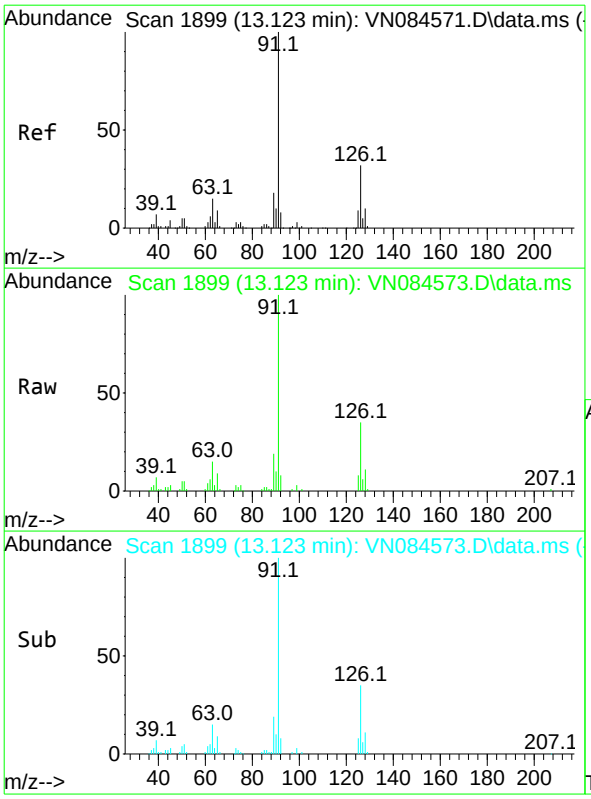


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

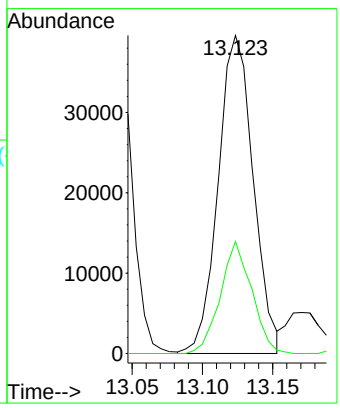




#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 68678

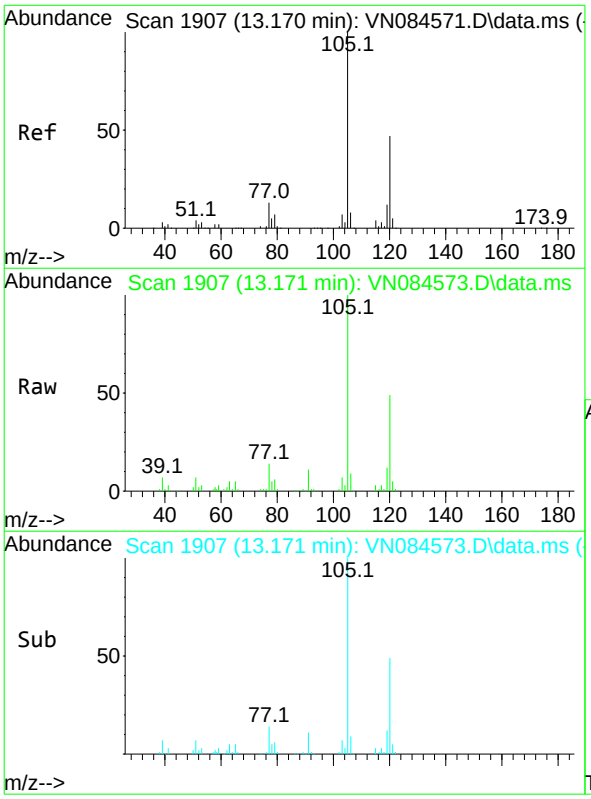
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

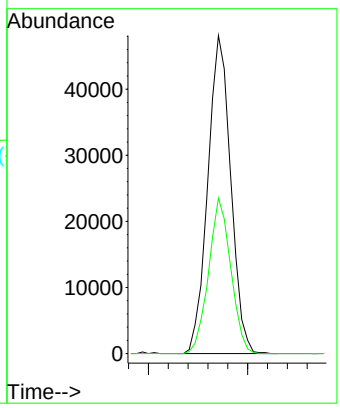
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

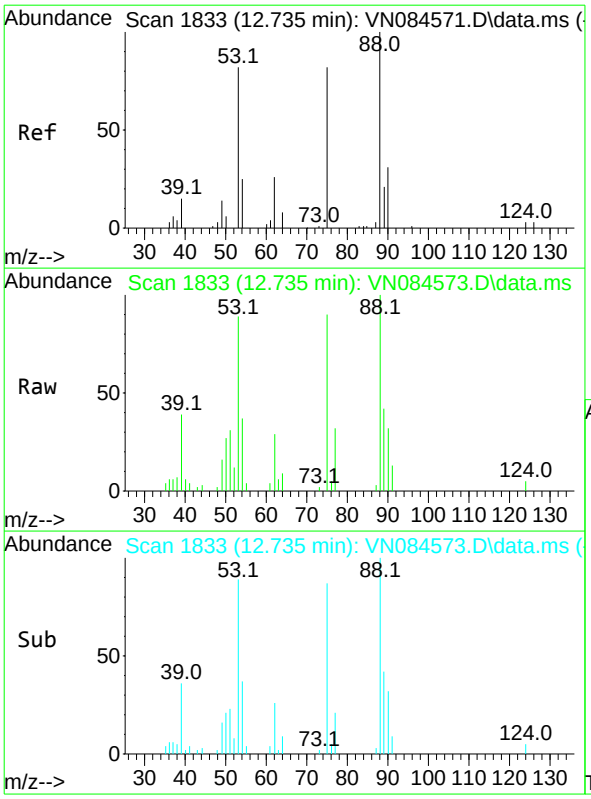


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

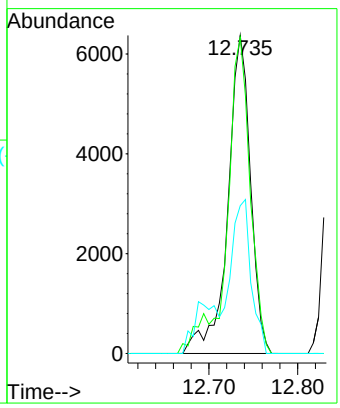




#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 11334

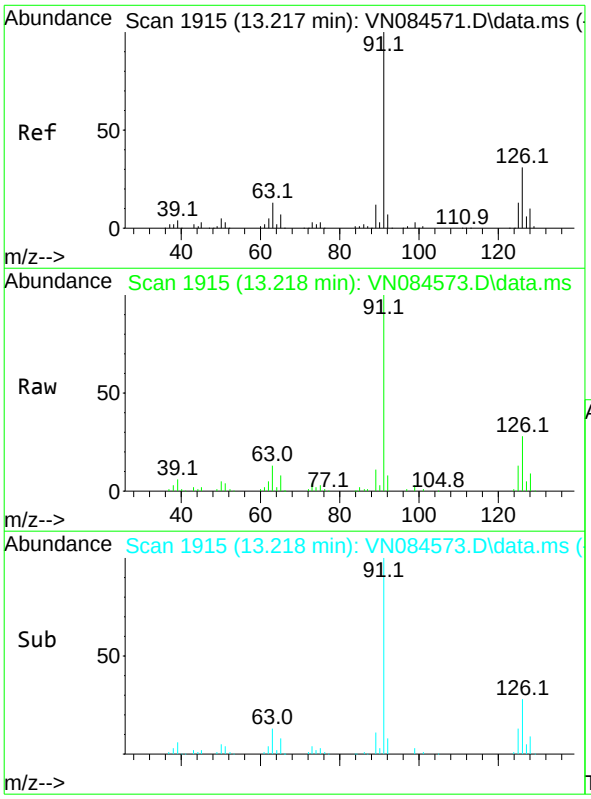
Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.0	117.0
89	43.2	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

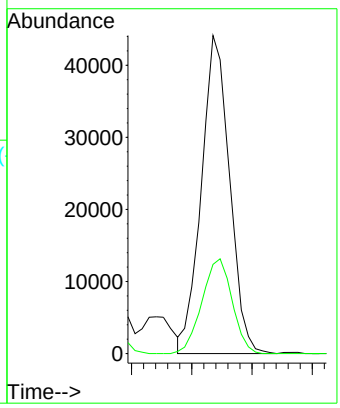
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

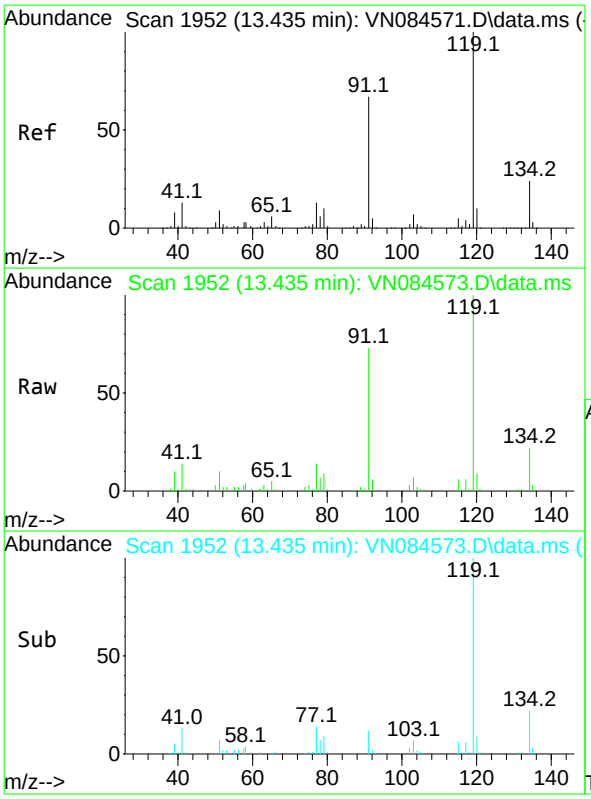


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

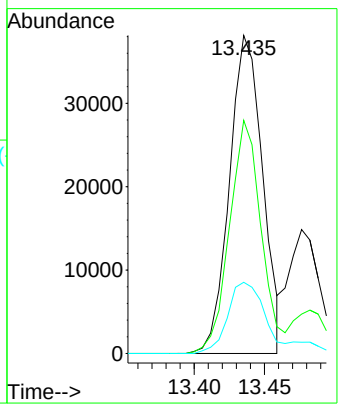




#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 62600

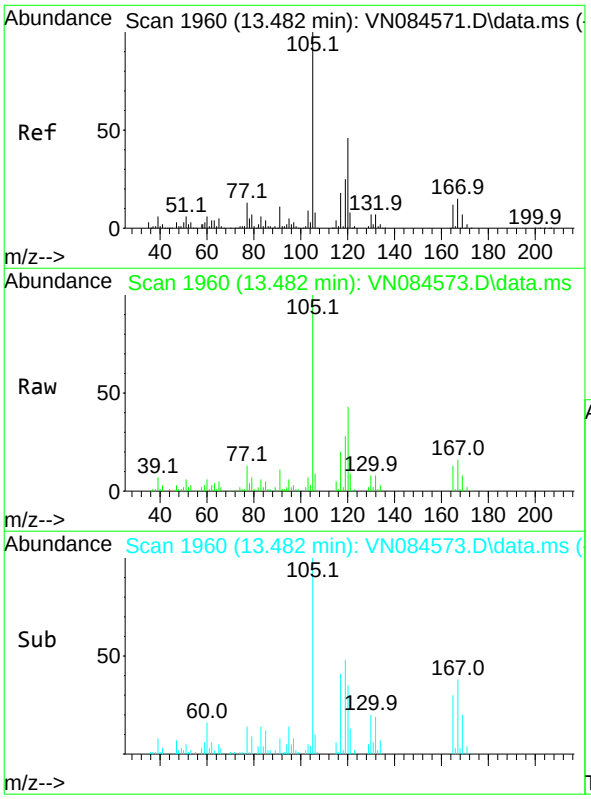
Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

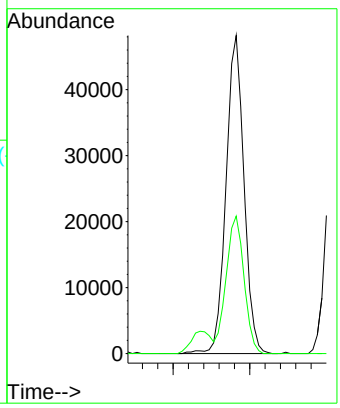
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

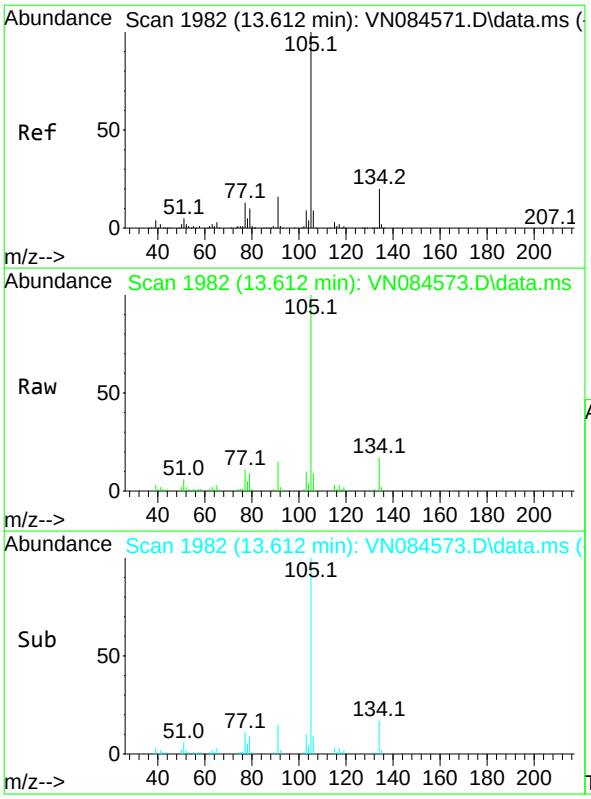


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

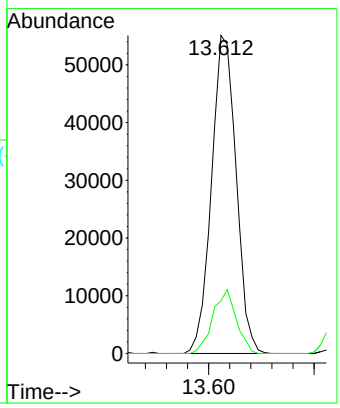




#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 89469

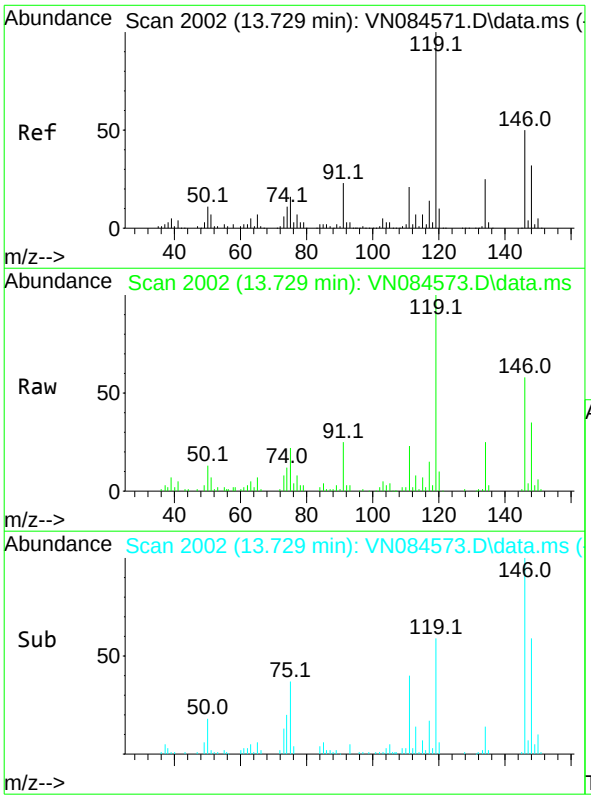
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

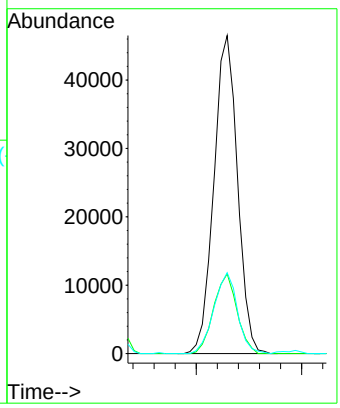
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

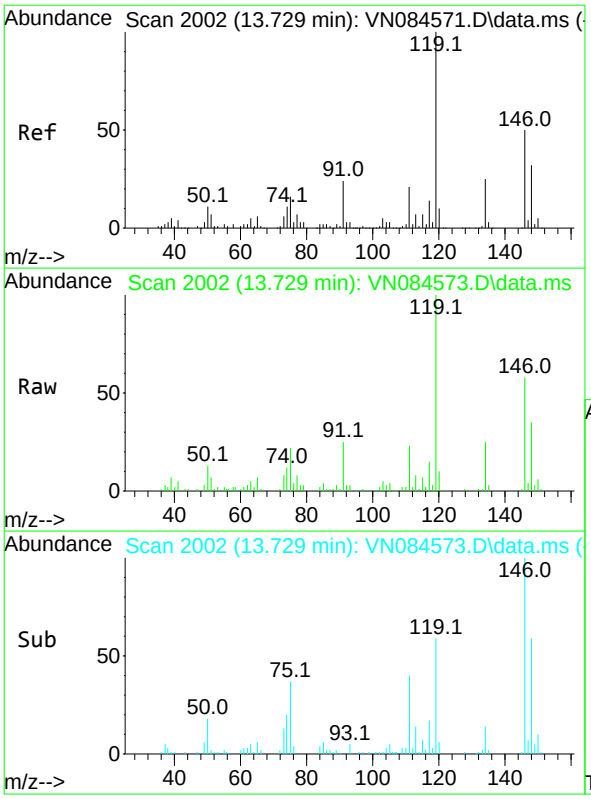


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 72307

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	25.5	12.4	37.2

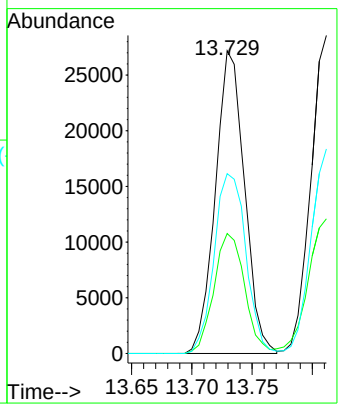




#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 45832

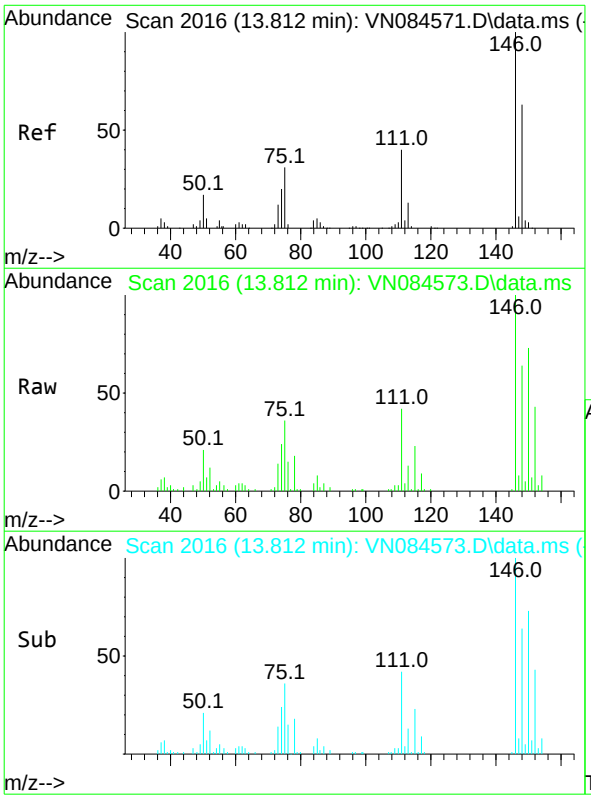
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	64.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

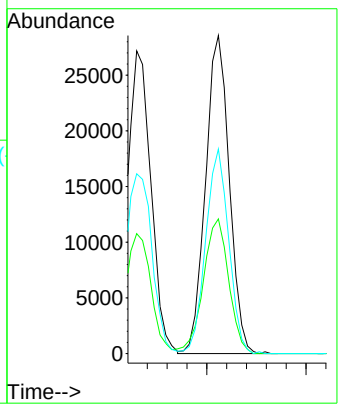
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

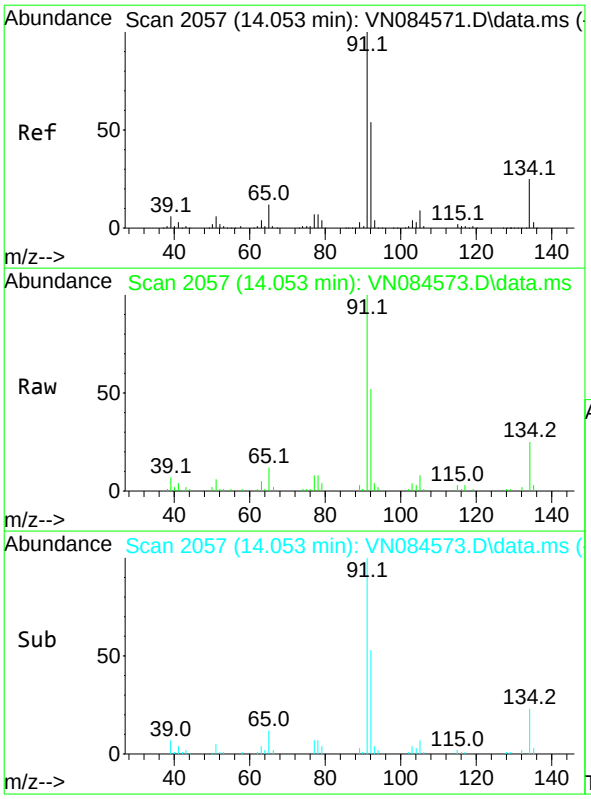


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 47483

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	62.4	31.9	95.9

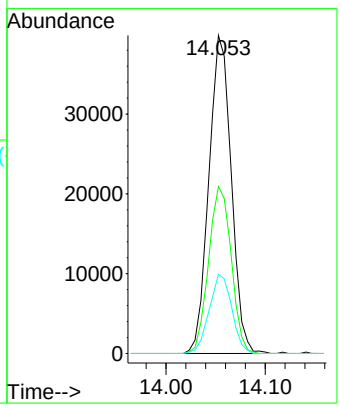




#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 62495

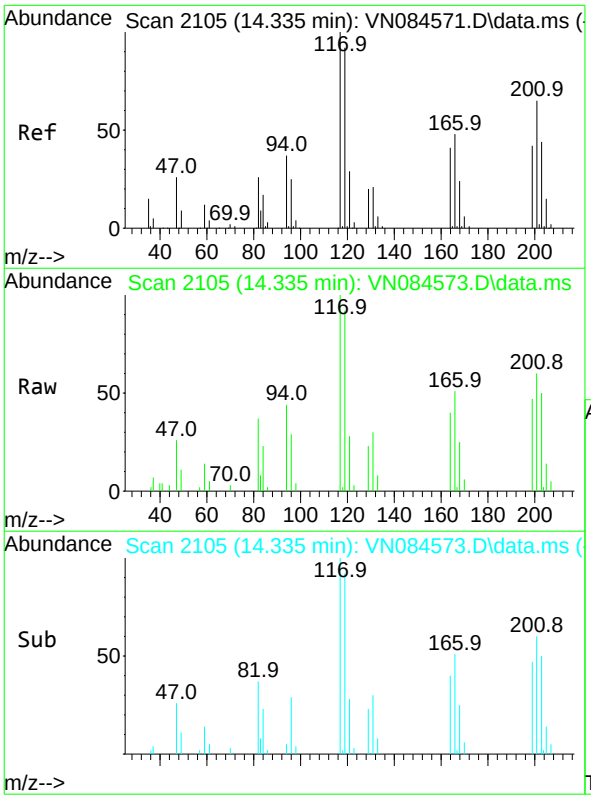
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	25.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

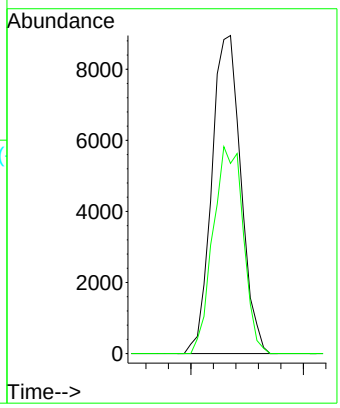
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

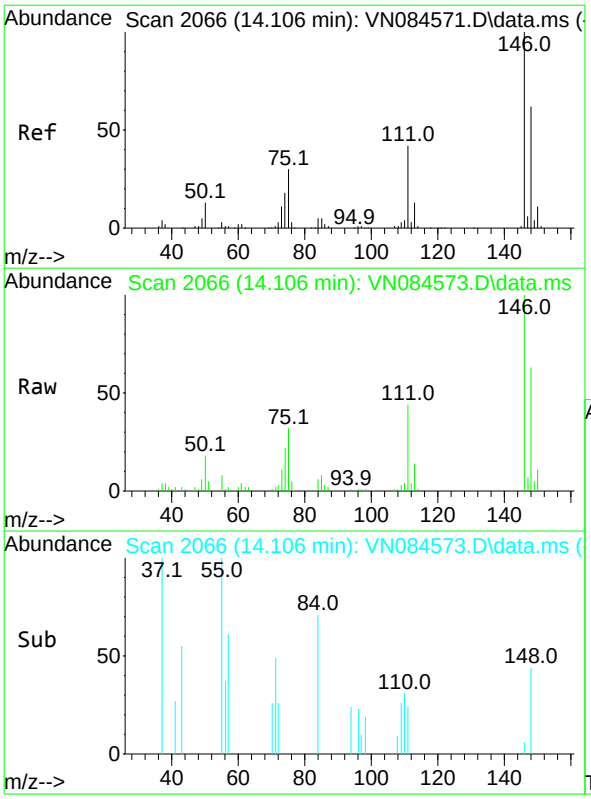


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

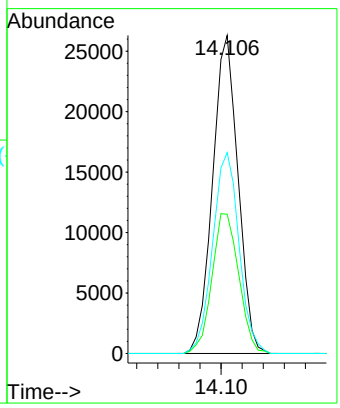




#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 44055

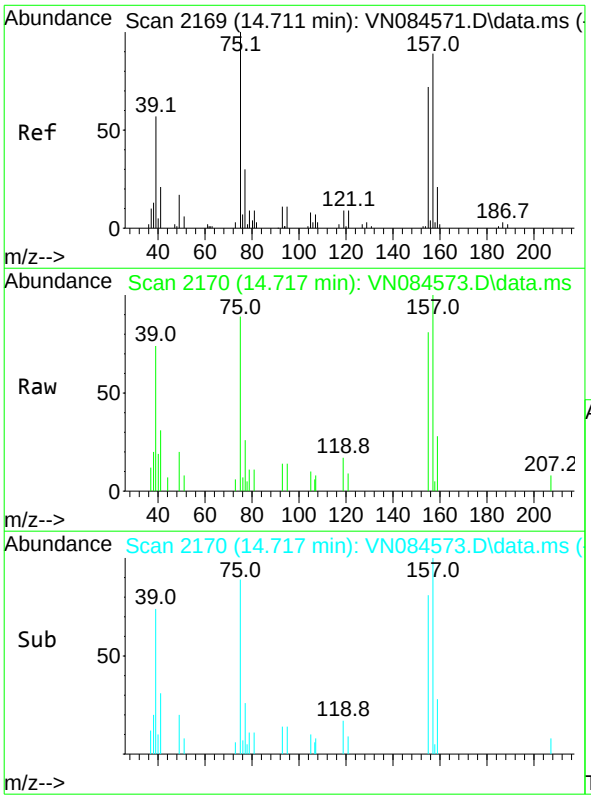
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

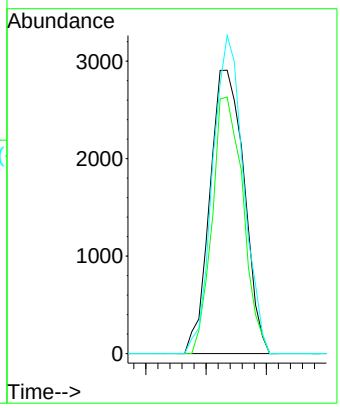
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

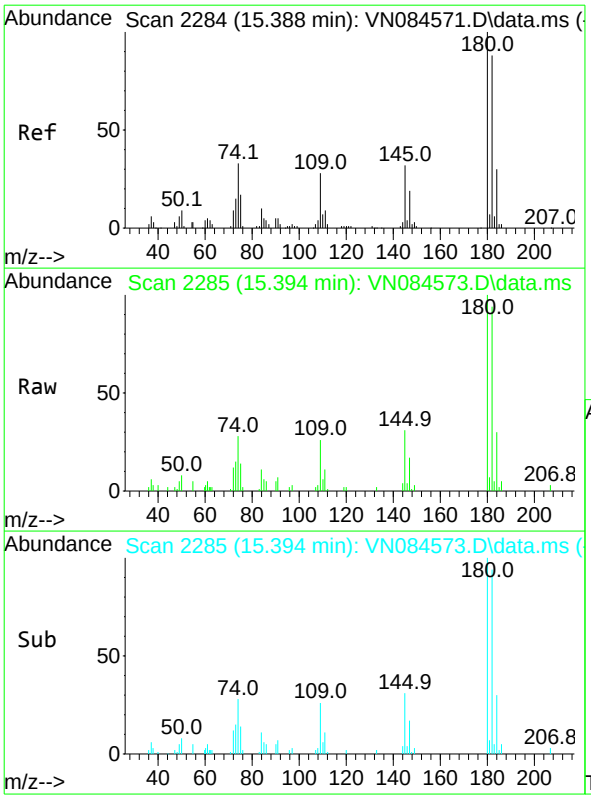


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 5744

Ion	Ratio	Lower	Upper
75	100		
155	81.3	38.1	114.5
157	101.0	49.6	149.0

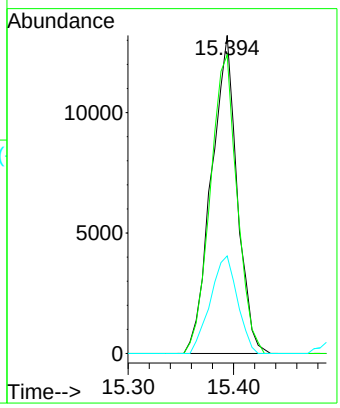




#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22413

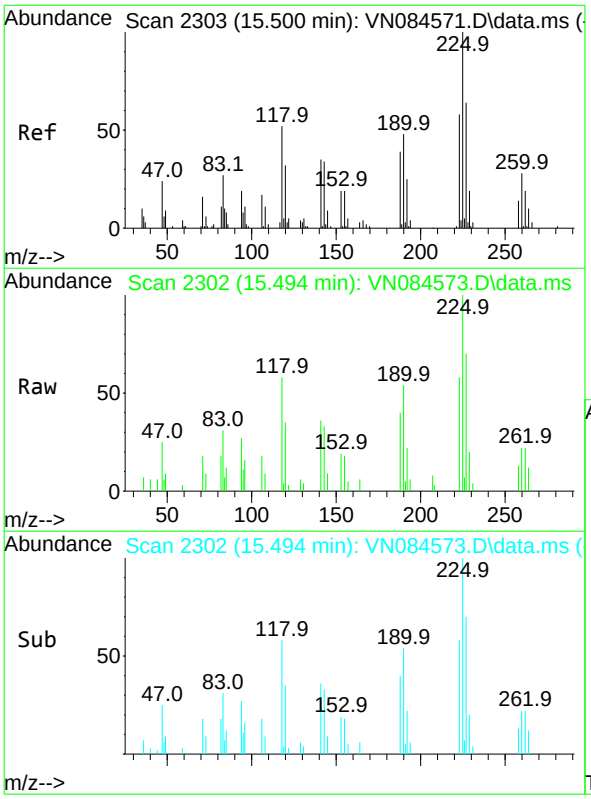
Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	32.1	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

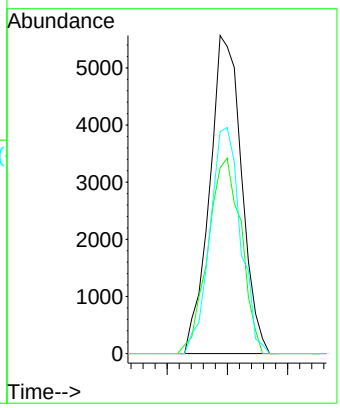
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

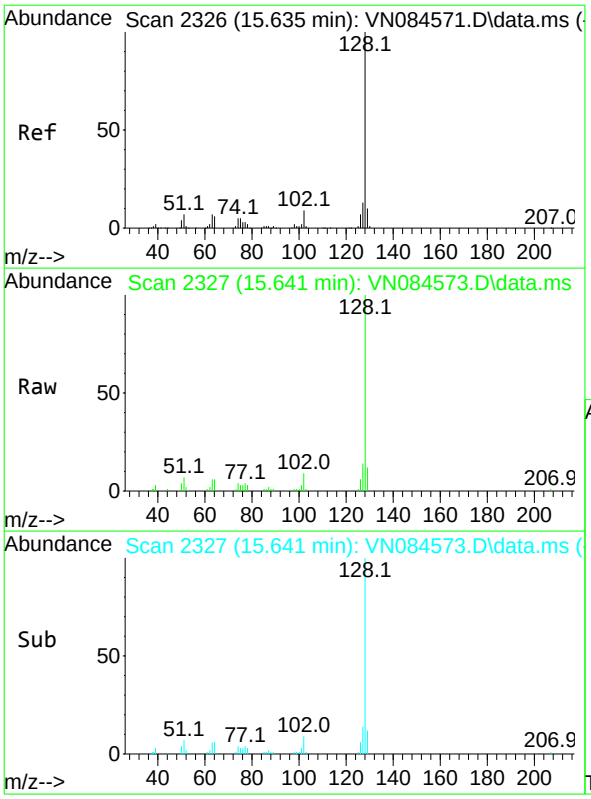


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:225 Resp: 10263

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	68.2	32.4	97.0

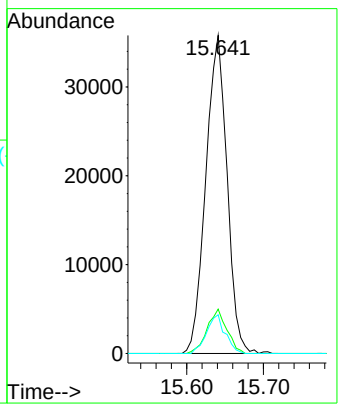




#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:128 Resp: 68919

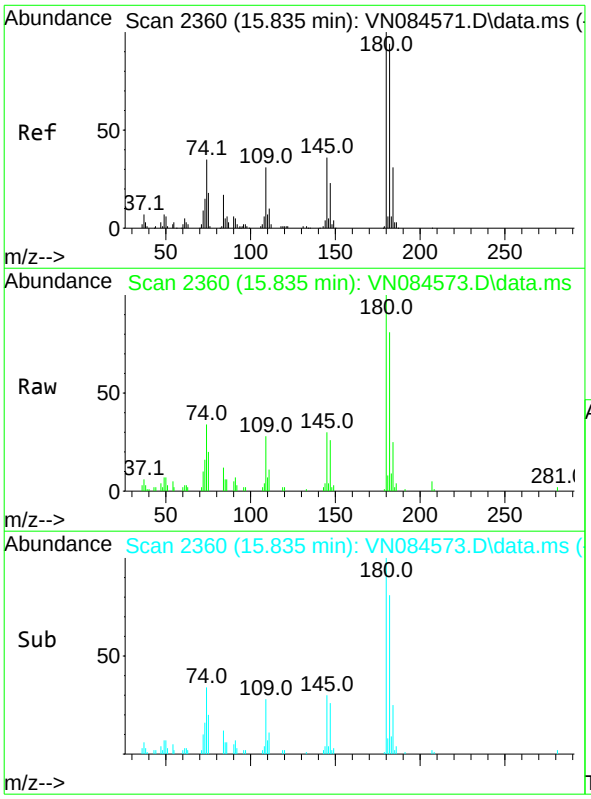
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

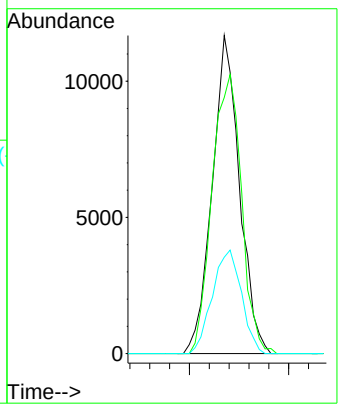
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22303

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	34.7	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.680%#				
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.440%#				
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.760%#				
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

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

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

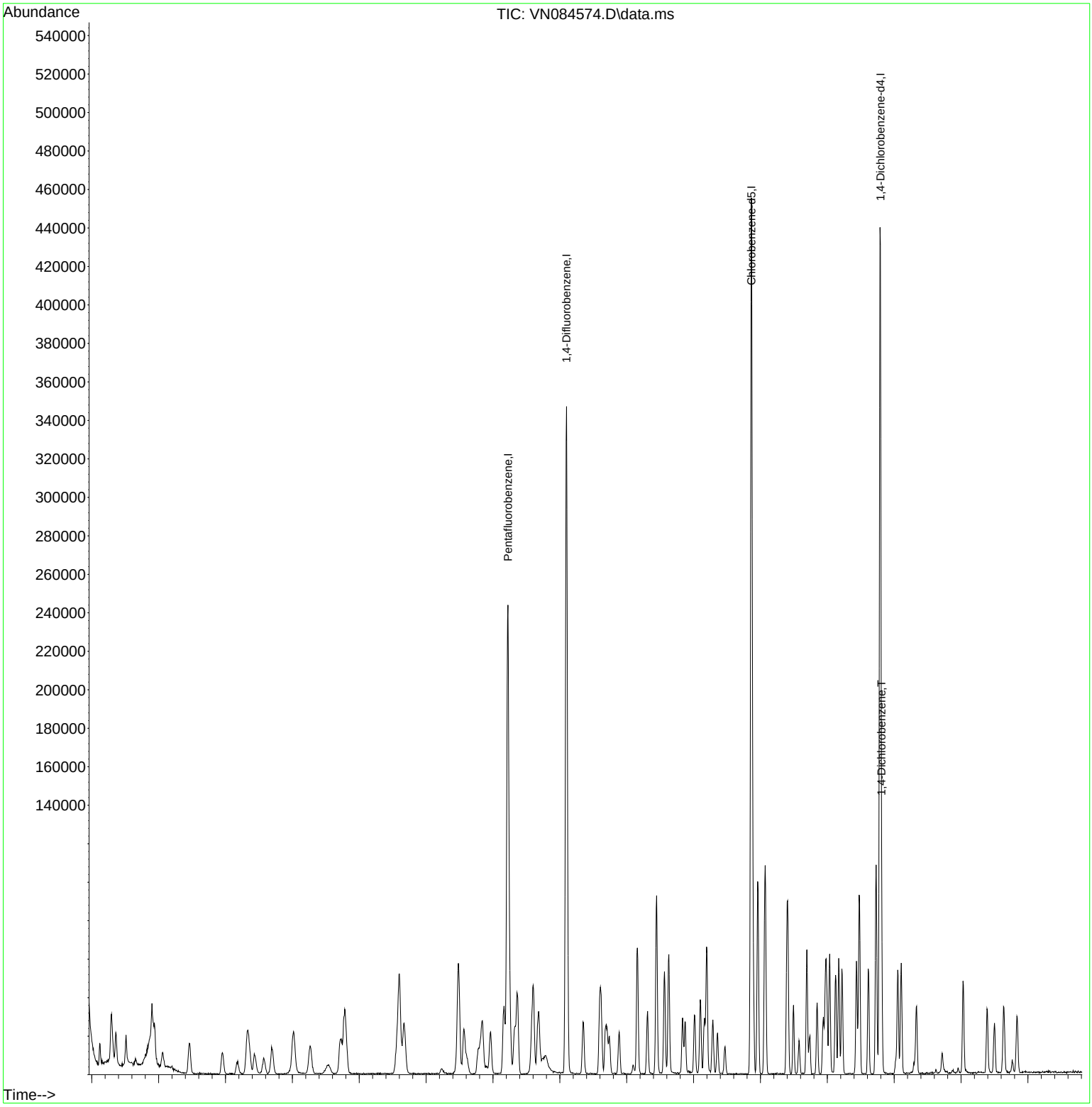
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

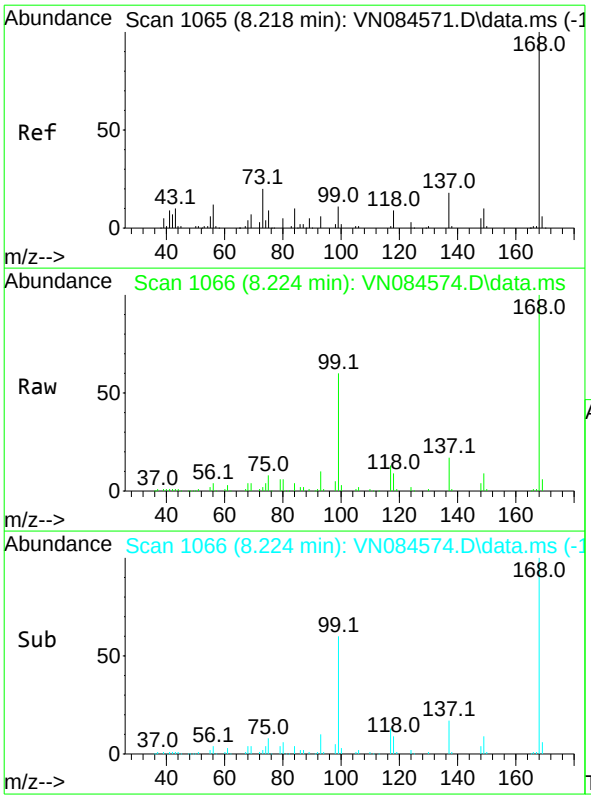
Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

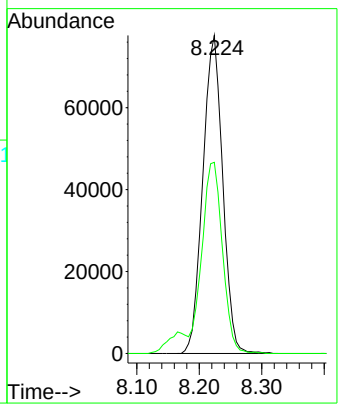




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:168 Resp: 171598

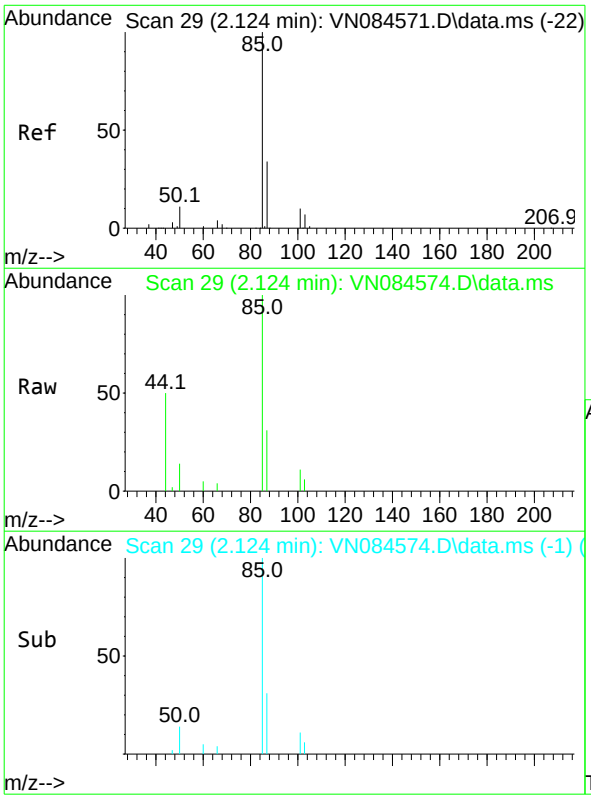
Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

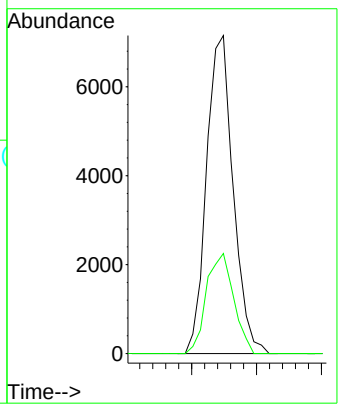
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

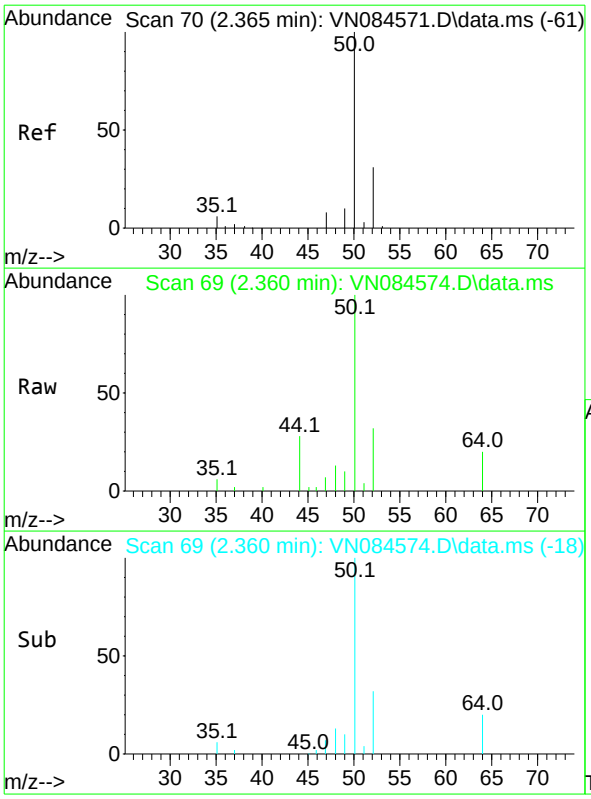


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9

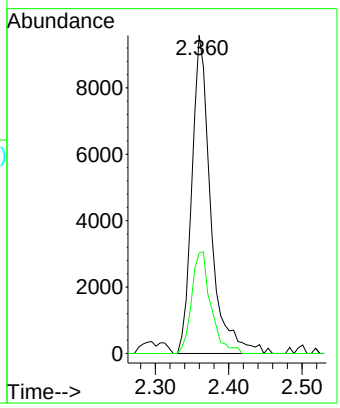




#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 50 Resp: 17076

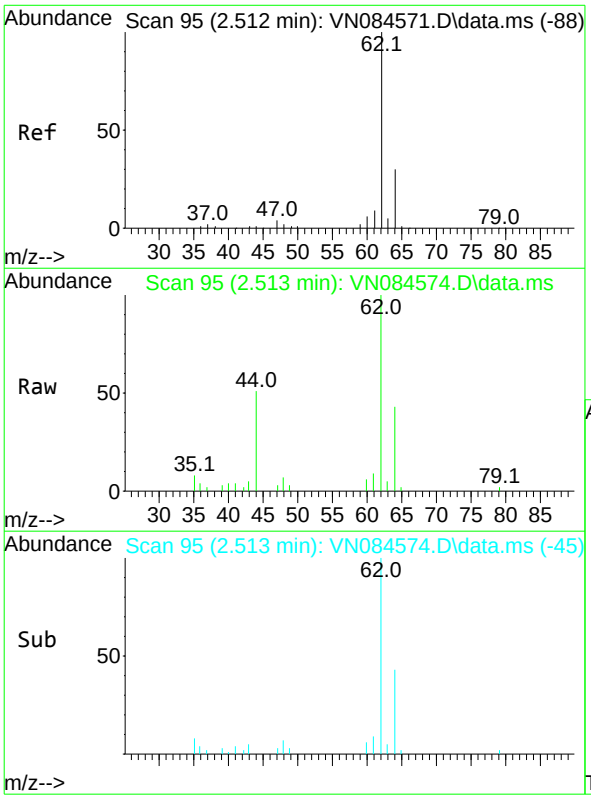
Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

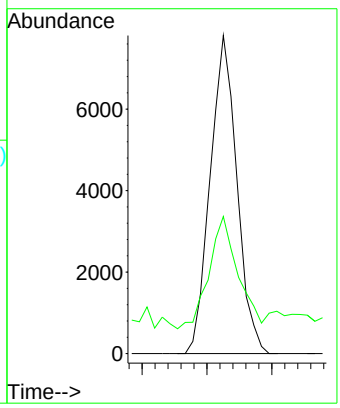
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

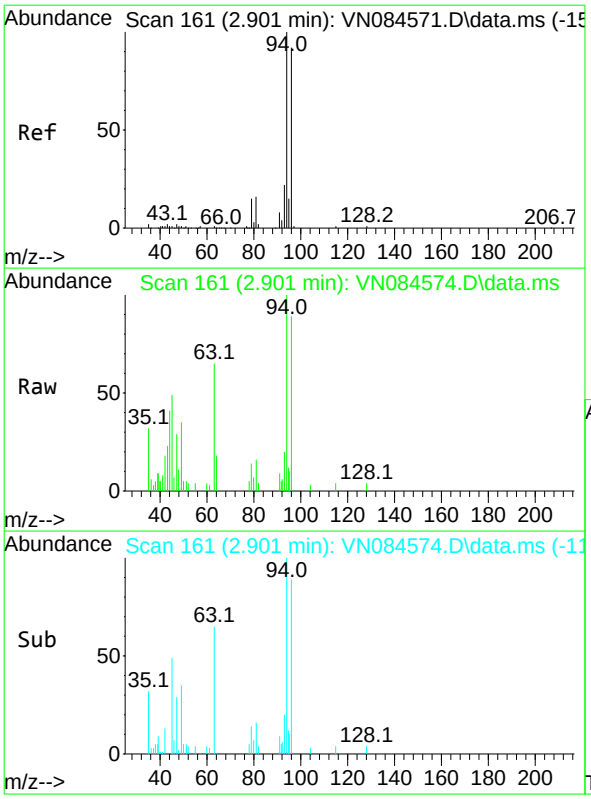


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4

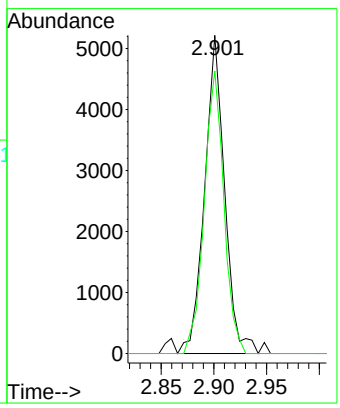




#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 94 Resp: 6944

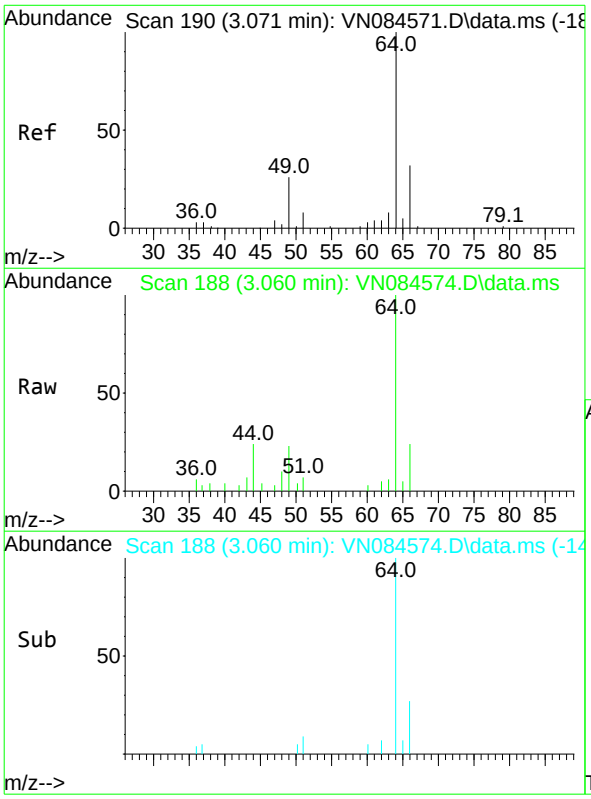
Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

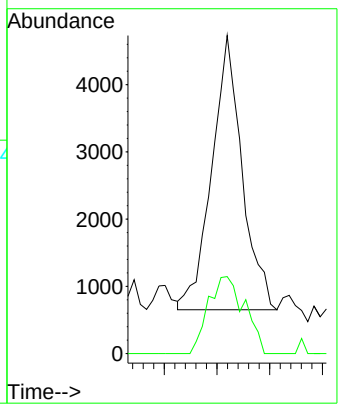
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

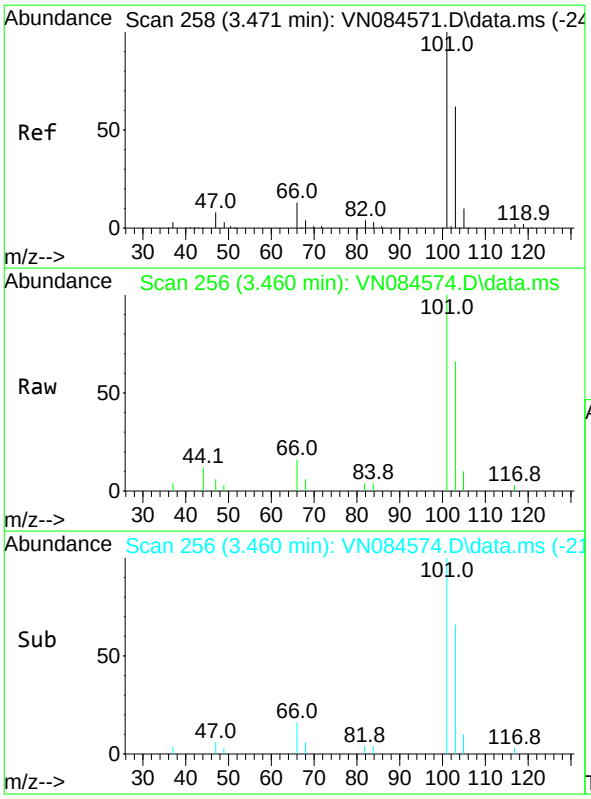


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3

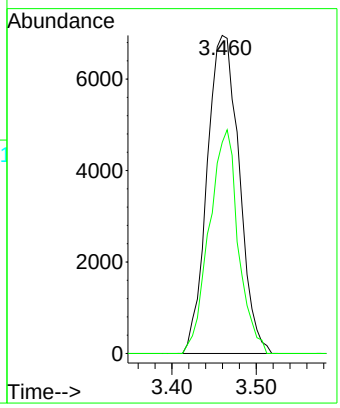




#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 25
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 18362

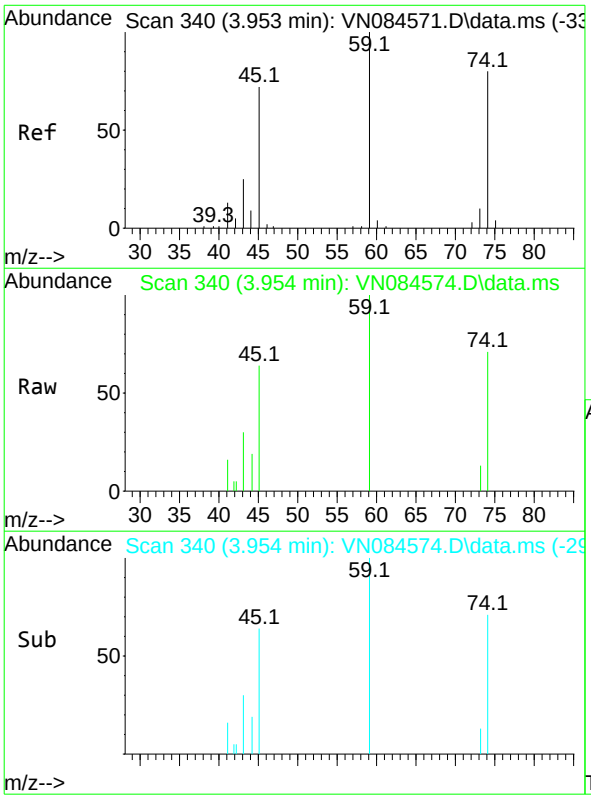
Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

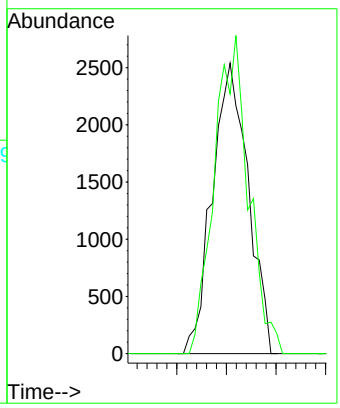
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

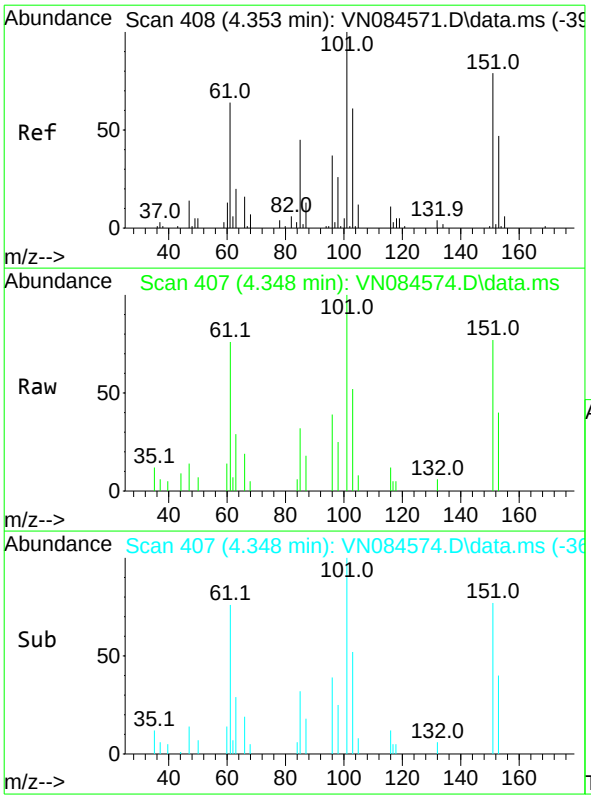


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1

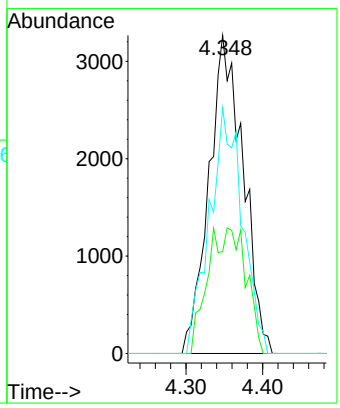




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 10090

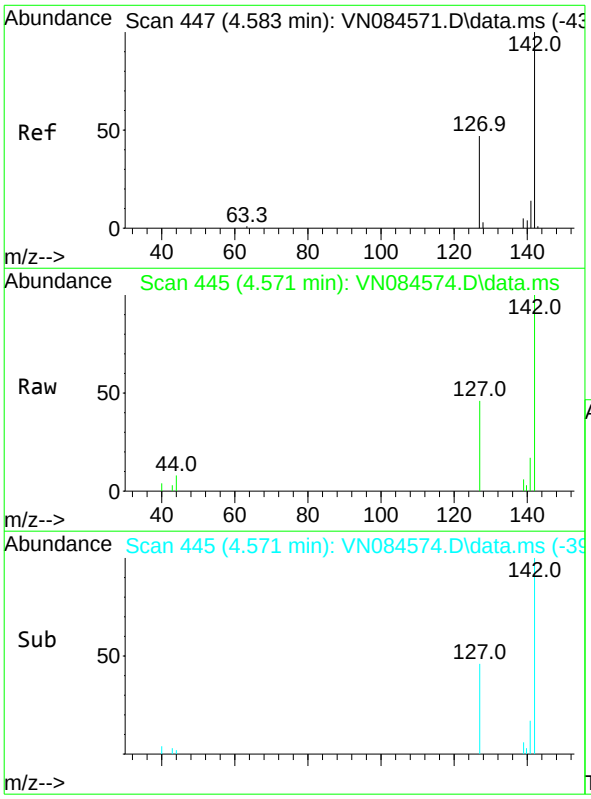
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

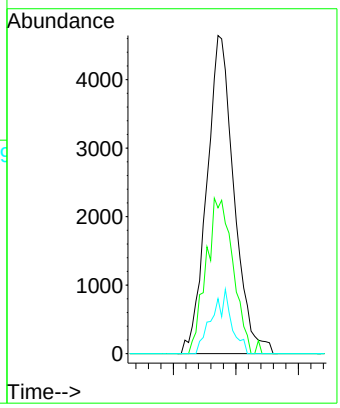
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

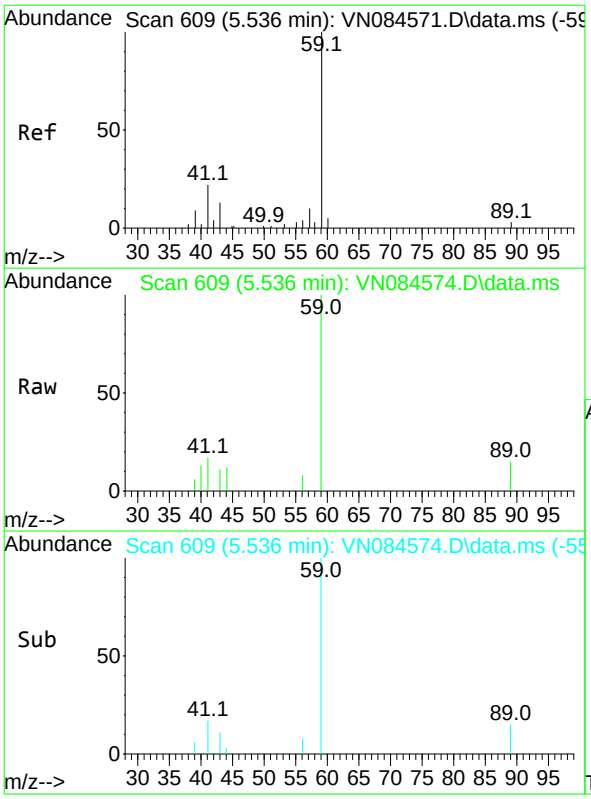


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:142 Resp: 14021

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	17.3	11.0	16.6#

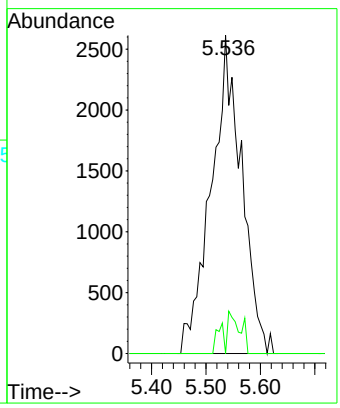




#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 59 Resp: 10153

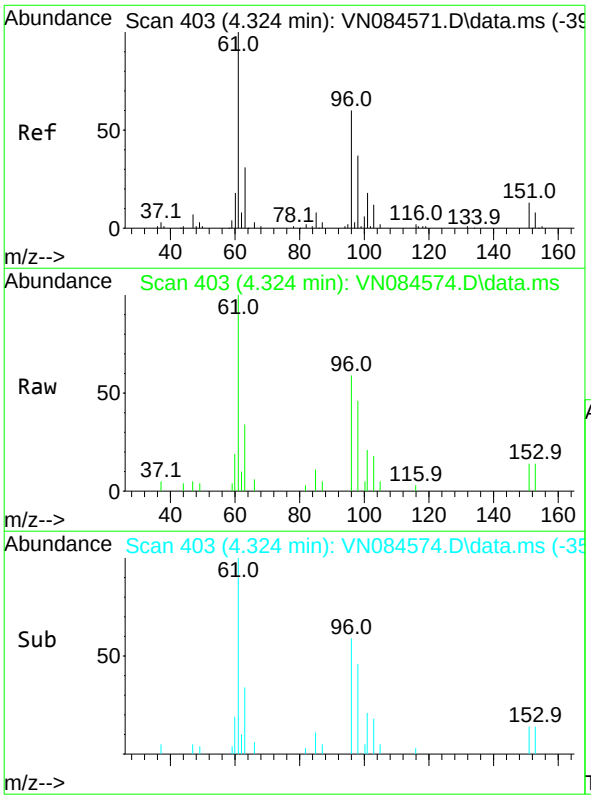
Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

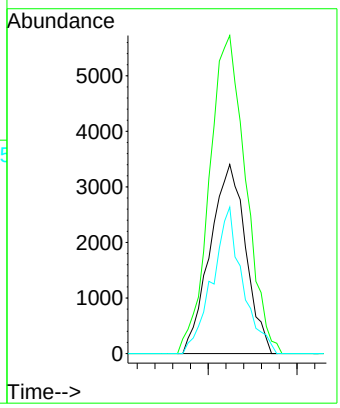
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

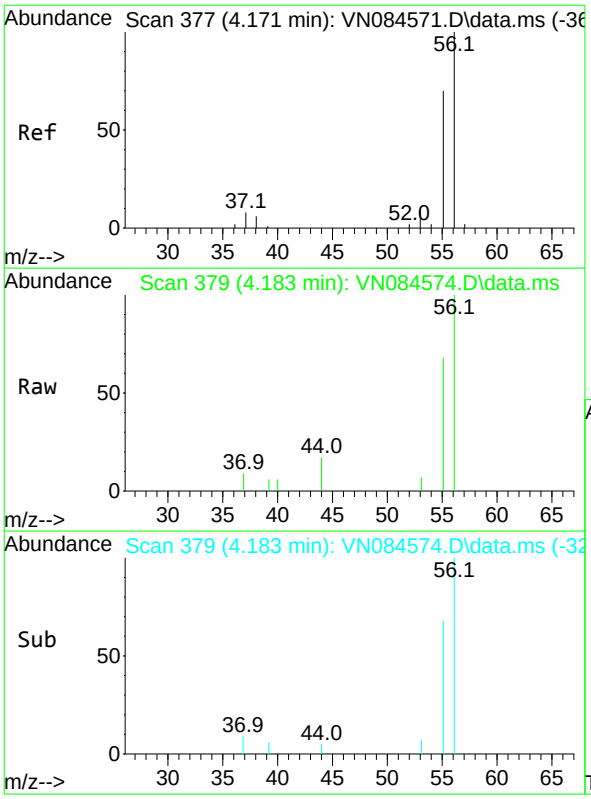


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 9474

Ion	Ratio	Lower	Upper
96	100		
61	168.2	128.6	192.8
98	77.5	51.7	77.5

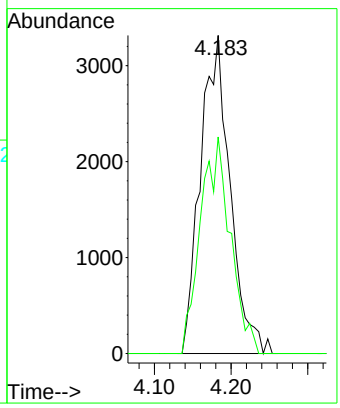




#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 8890

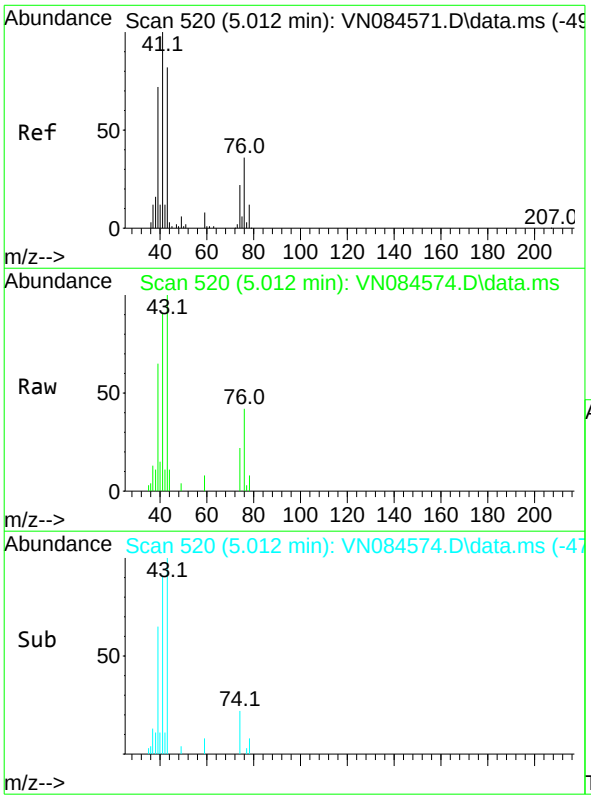
Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

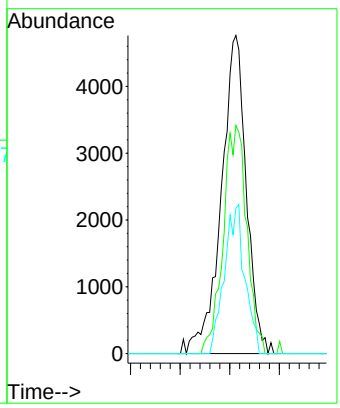
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

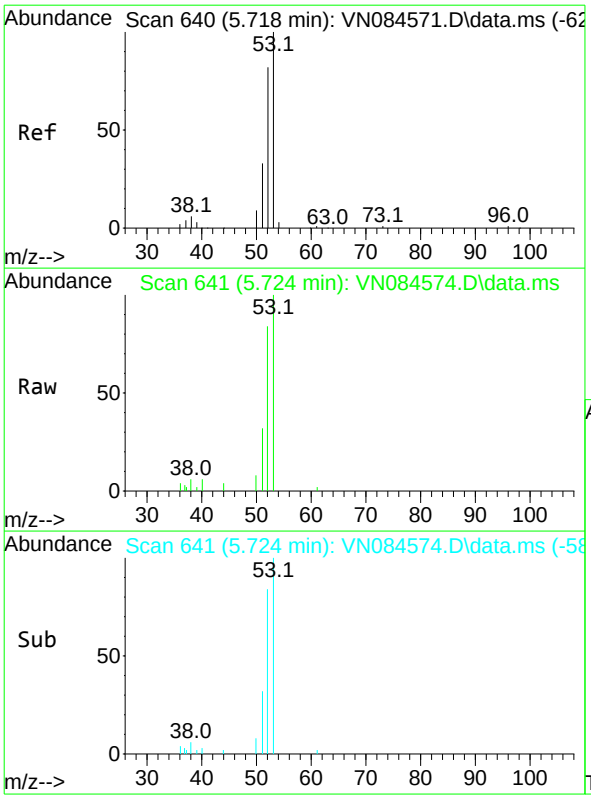


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 16771

Ion	Ratio	Lower	Upper
41	100		
39	67.1	59.0	88.6
76	38.0	29.8	44.6

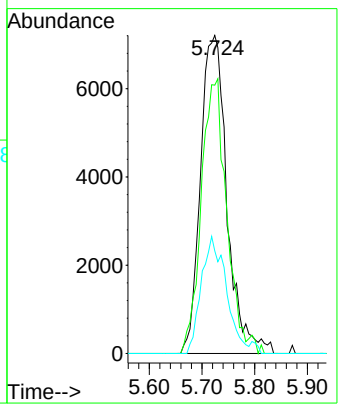




#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 53 Resp: 25212

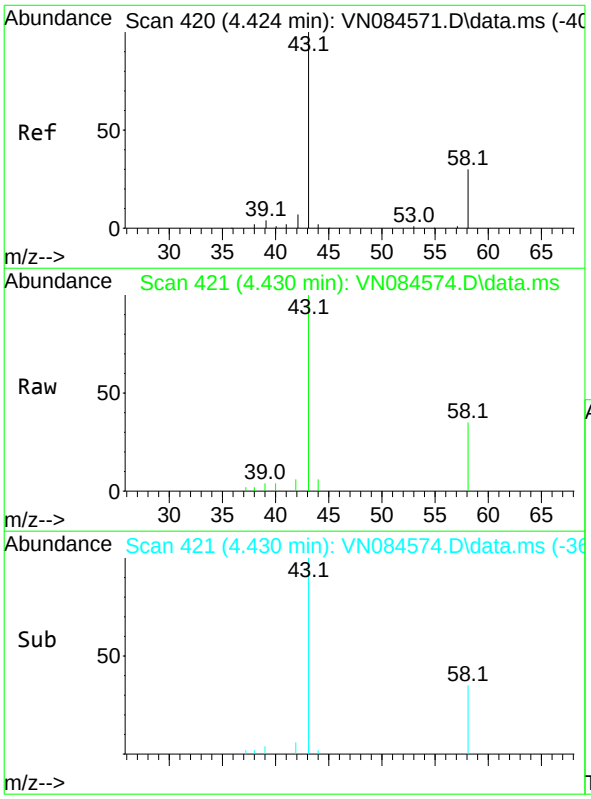
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	34.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

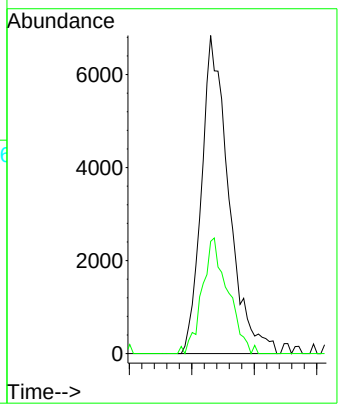
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

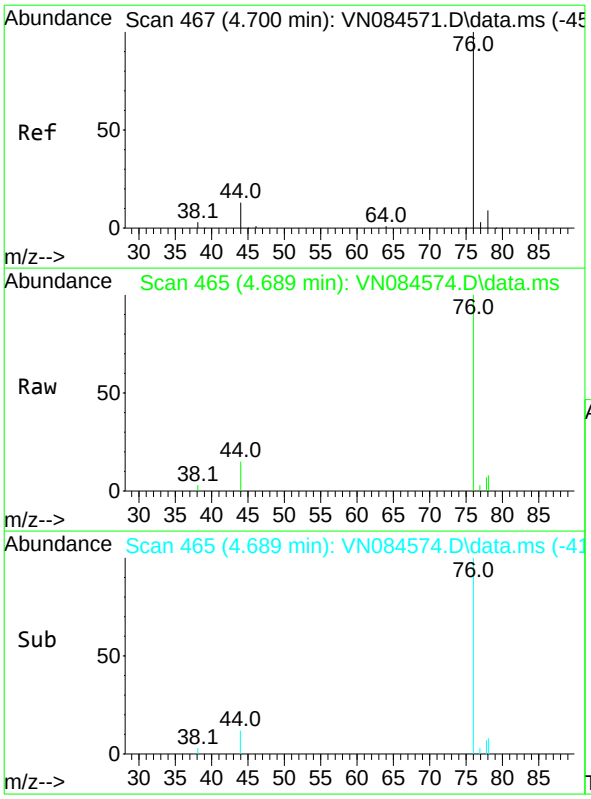


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 20706

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.4	36.6





#17
Carbon Disulfide
Concen: 5.087 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

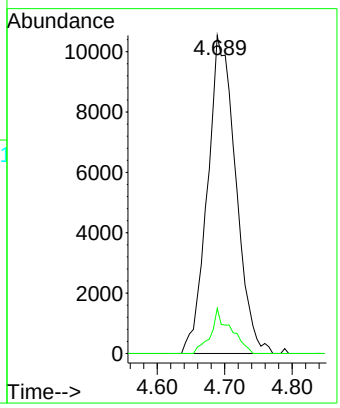
Tgt Ion: 76 Resp: 30614

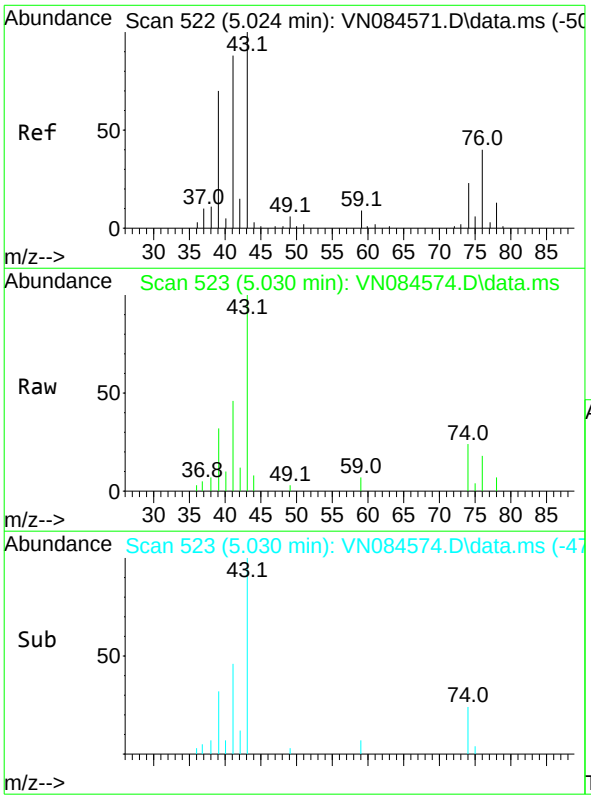
Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

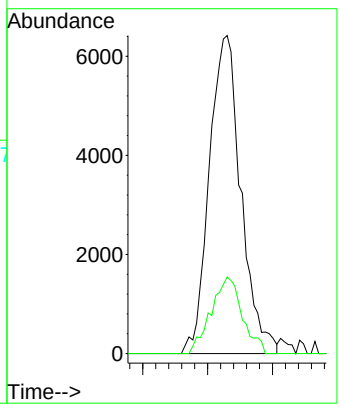


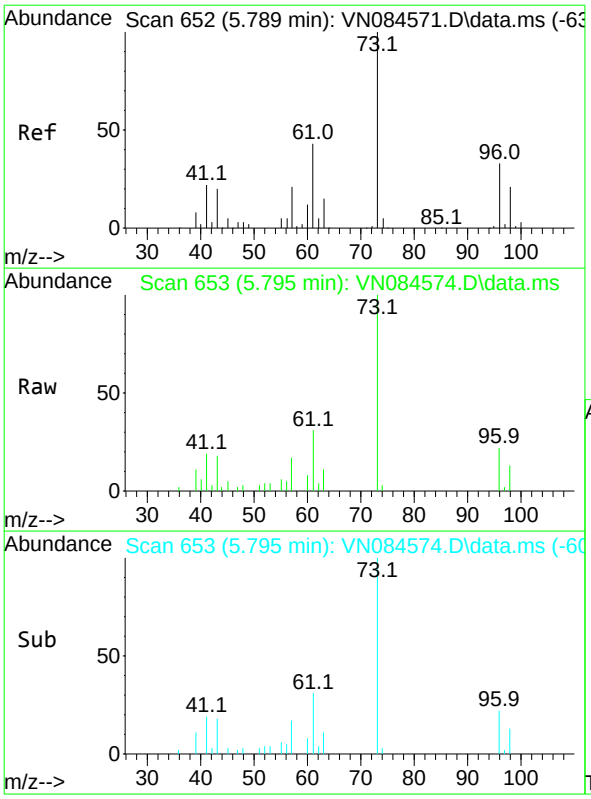


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8

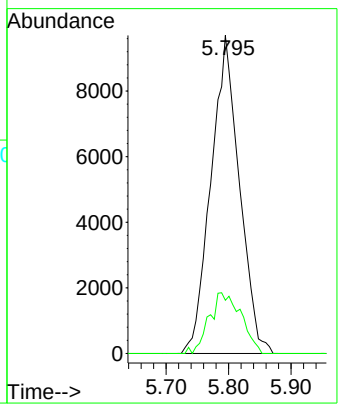




#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 73 Resp: 30655

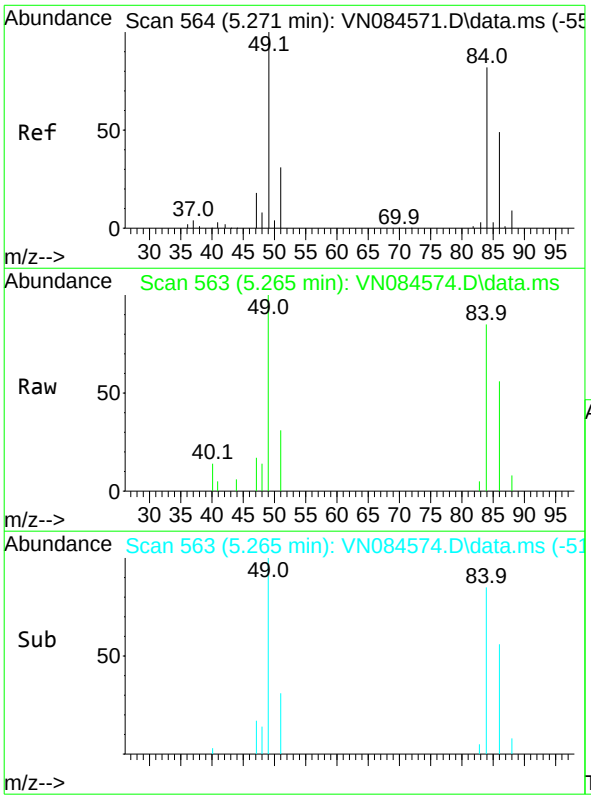
Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

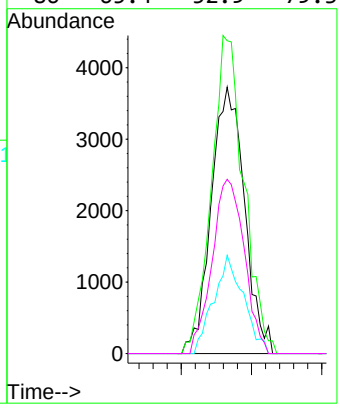
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

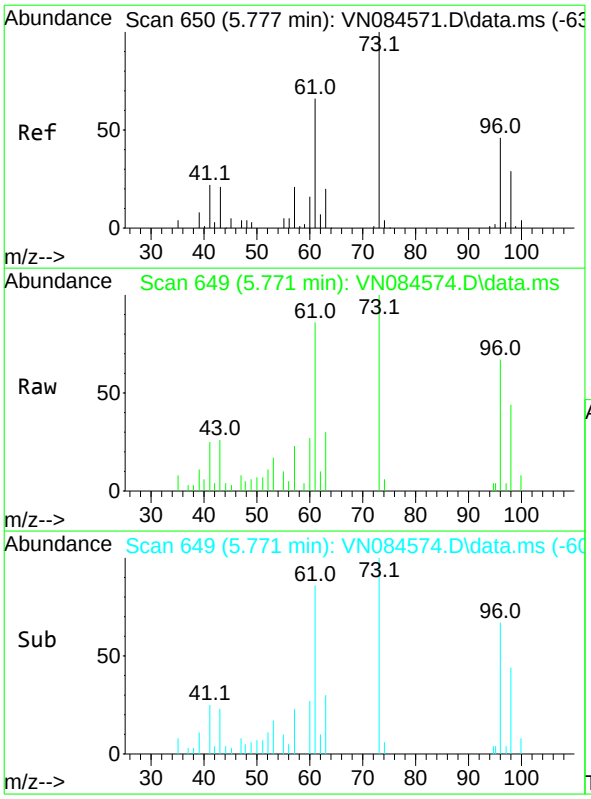


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 84 Resp: 12258

Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.2	160.8
51	36.9	31.8	47.8
86	65.4	52.9	79.3

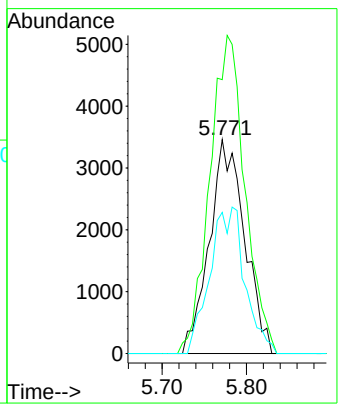




#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 10024

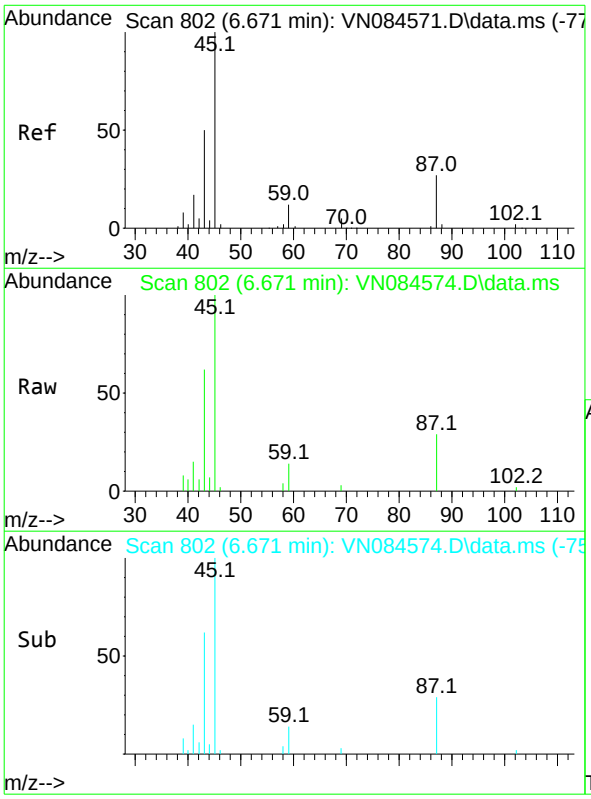
Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.4	162.6
98	66.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

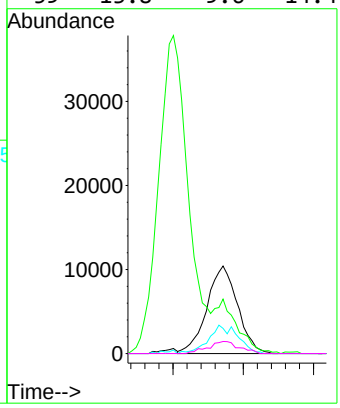
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

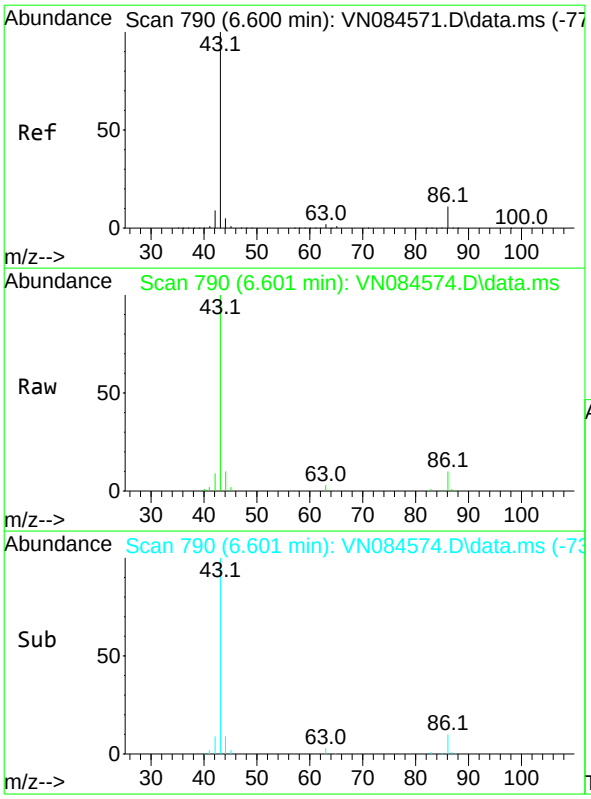


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 45 Resp: 31631

Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.3	63.5
87	28.8	21.8	32.6
59	13.8	9.6	14.4

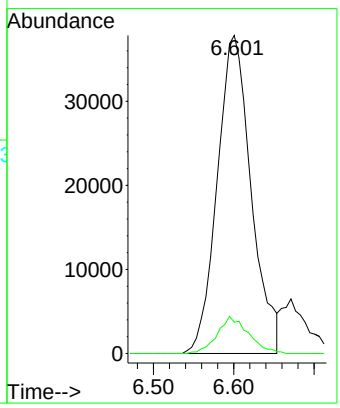




#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 111267

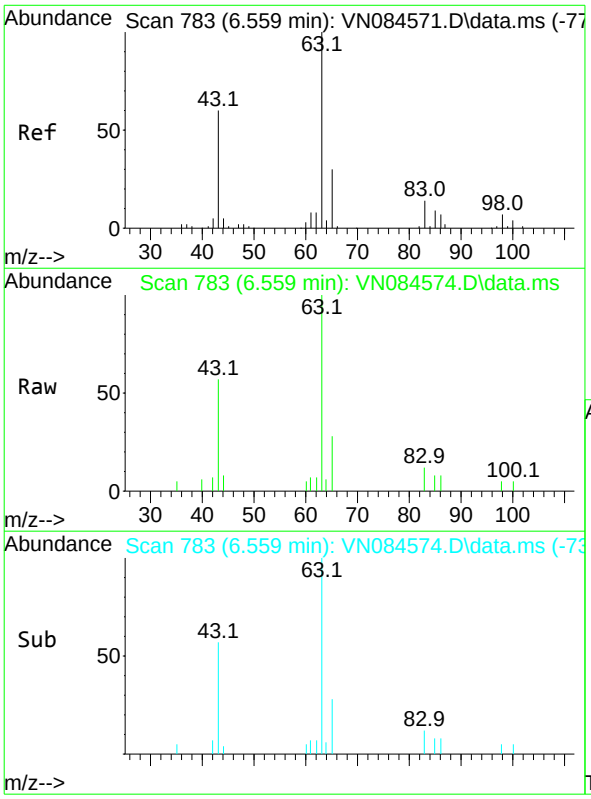
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

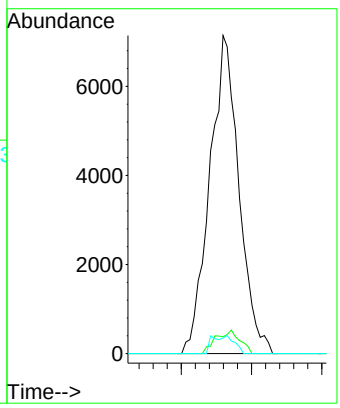
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

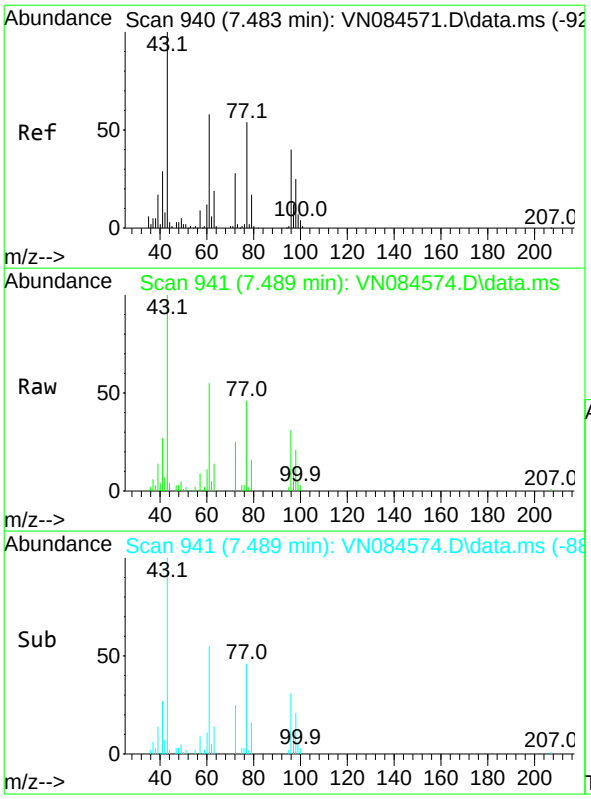


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 20644

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.2
100	4.9	2.0	5.8

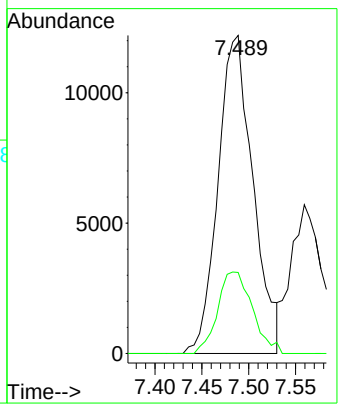




#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 31742

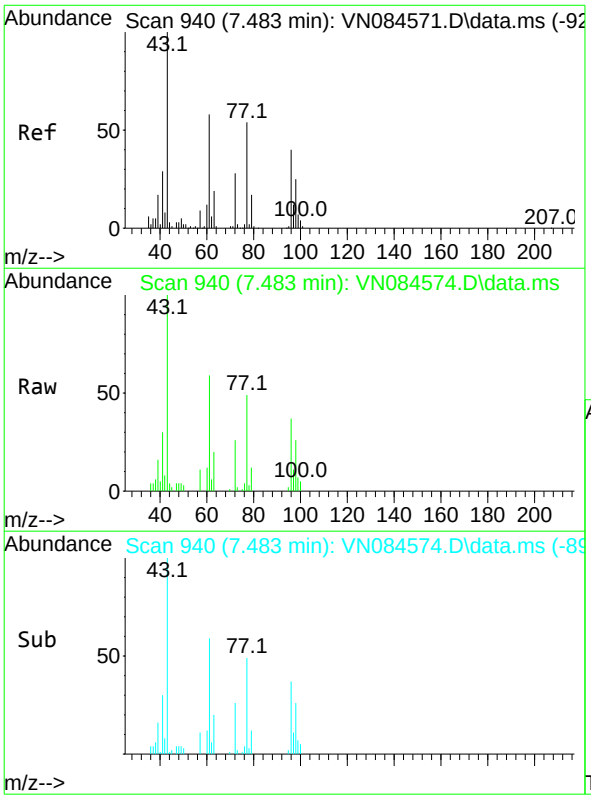
Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

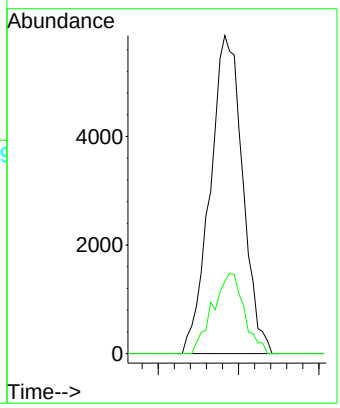
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

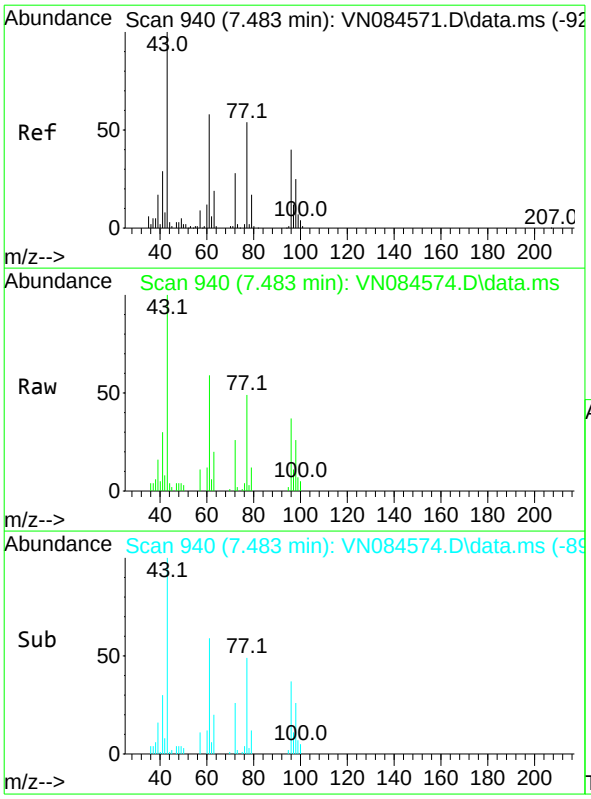


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3

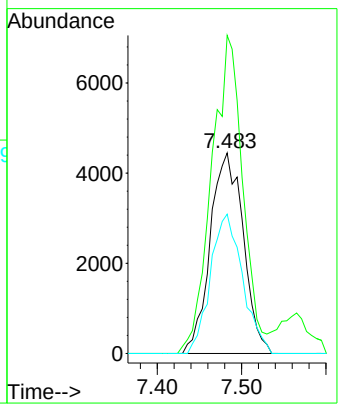




#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 12105

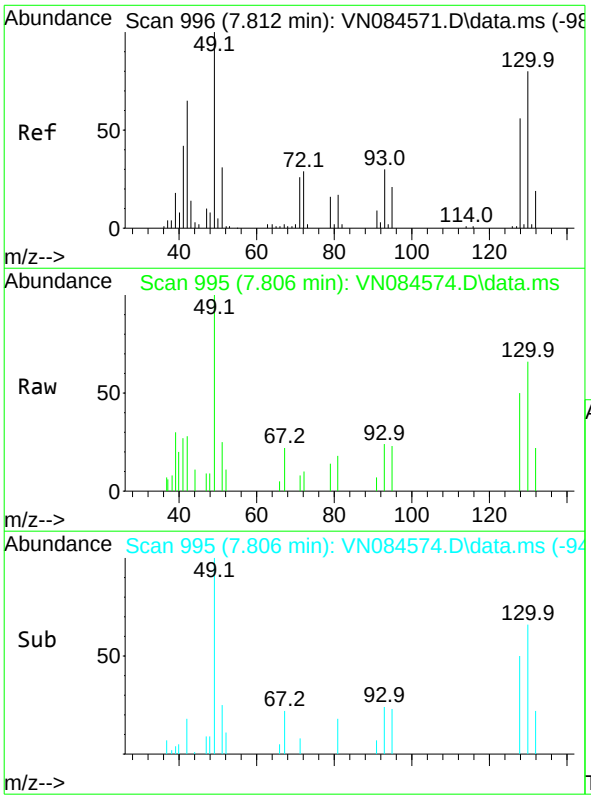
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	301.8
98	67.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

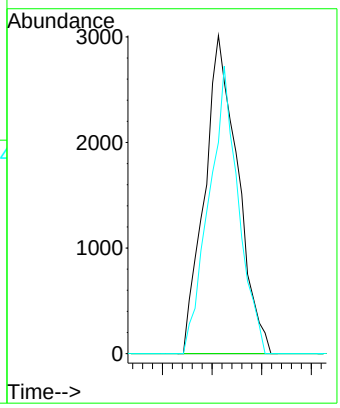
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

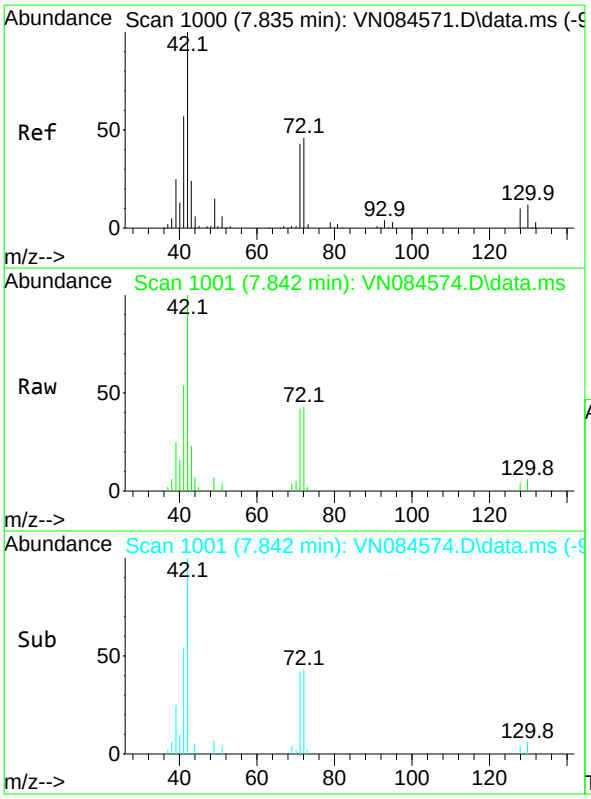


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 49 Resp: 7002

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	79.7	58.0	87.0

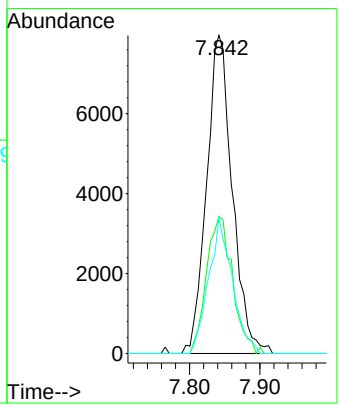




#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 42 Resp: 20240

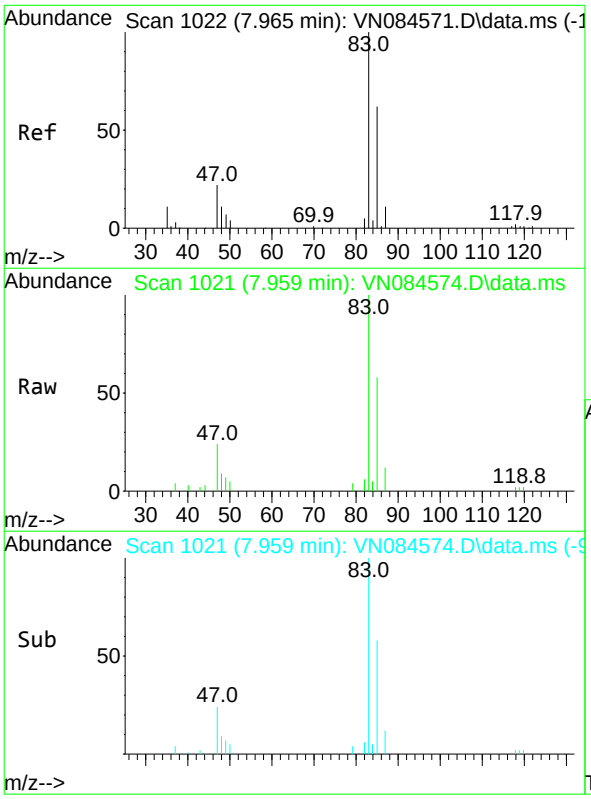
Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	39.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

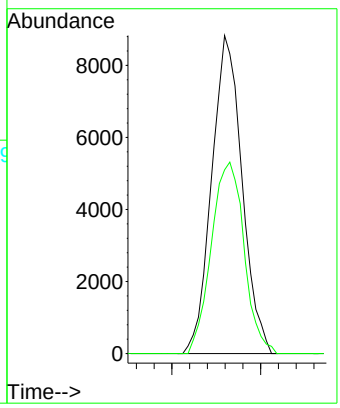
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

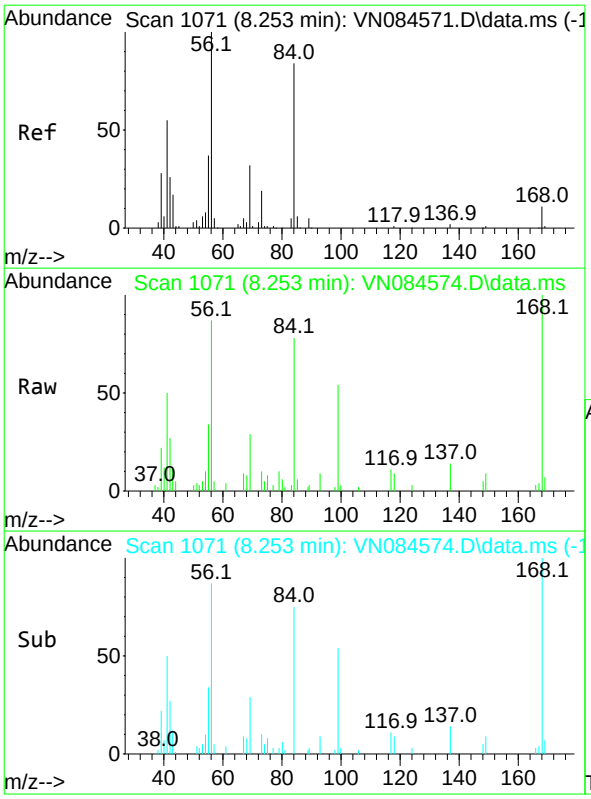


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4

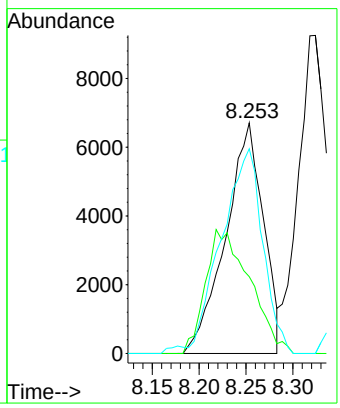




#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 18750

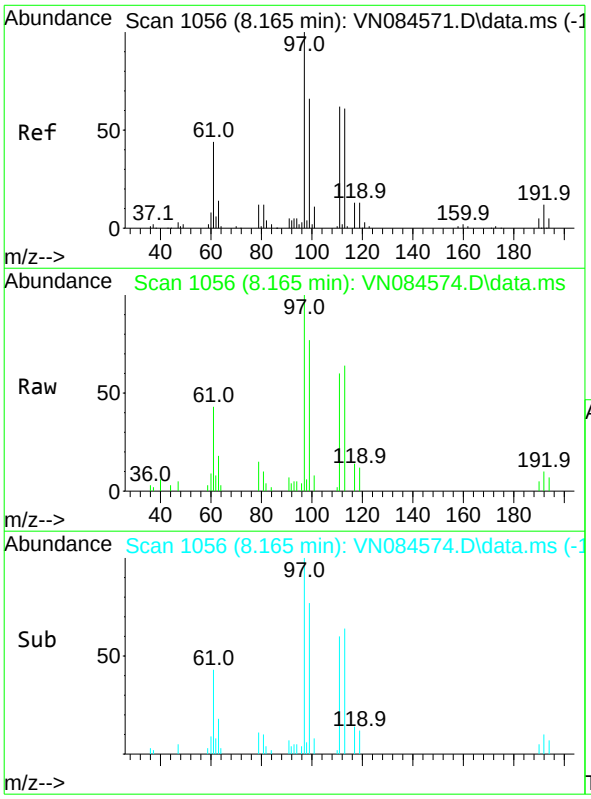
Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.8	35.6
84	85.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

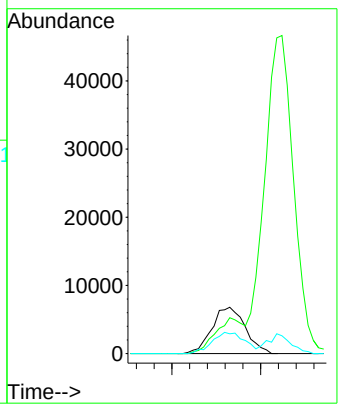
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

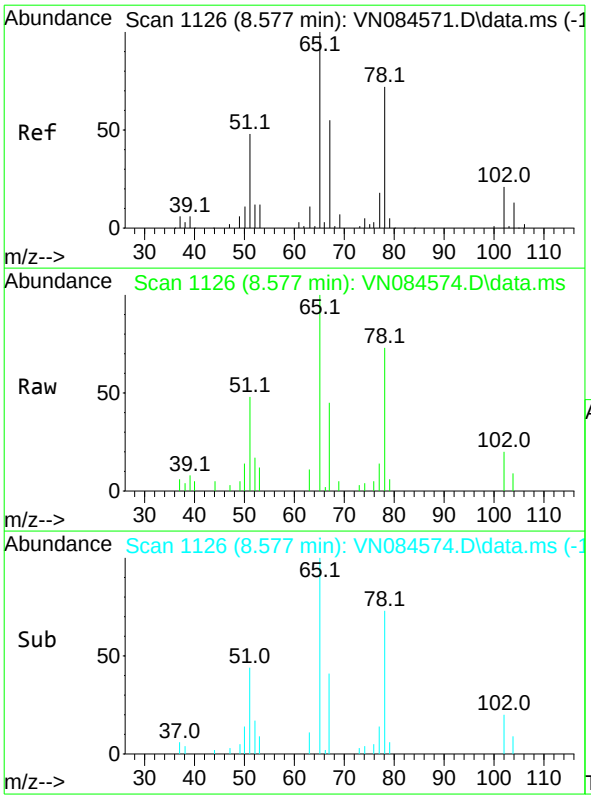


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 17717

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	44.8	37.5	56.3

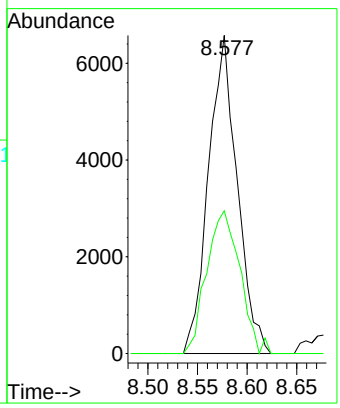




#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 65 Resp: 13227

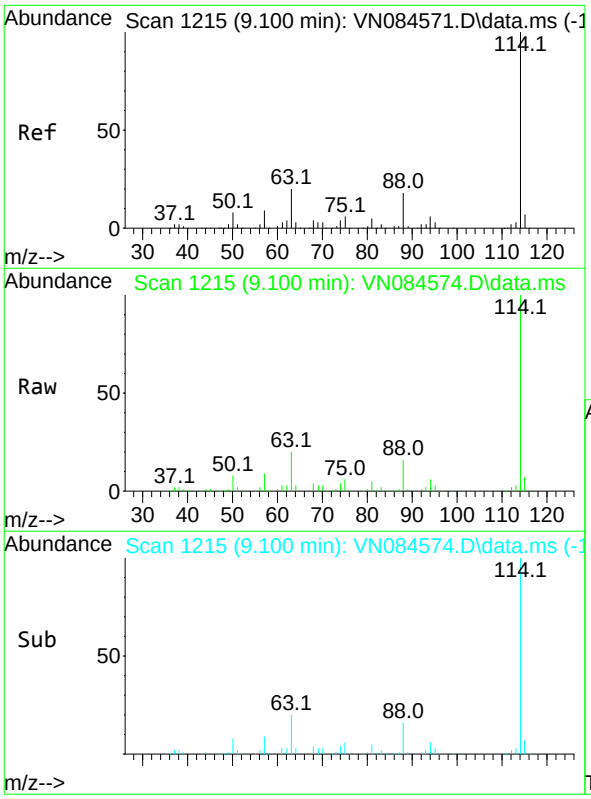
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

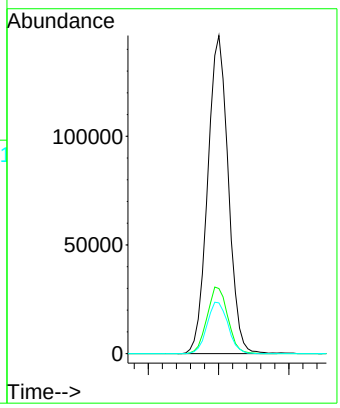
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

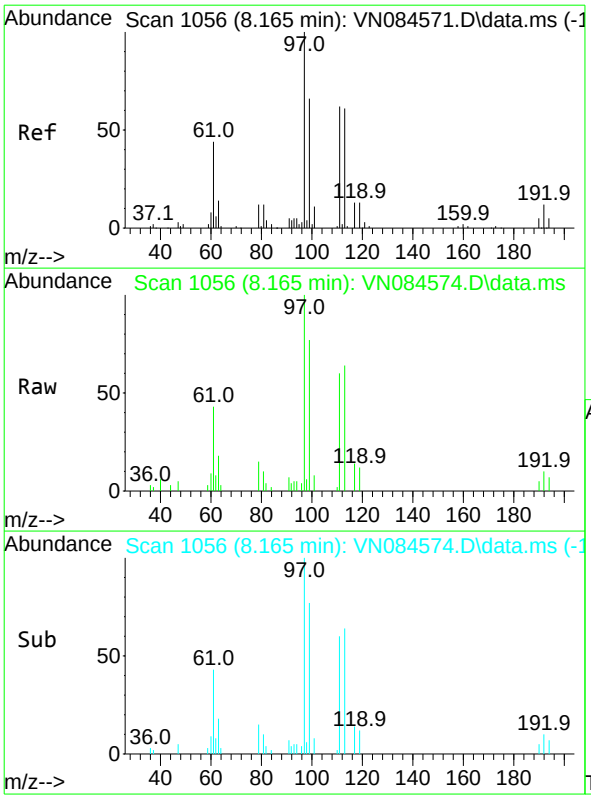


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:114 Resp: 297777

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	15.9	0.0	31.6

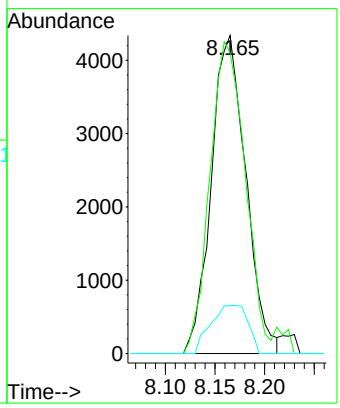




#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:113 Resp: 10512

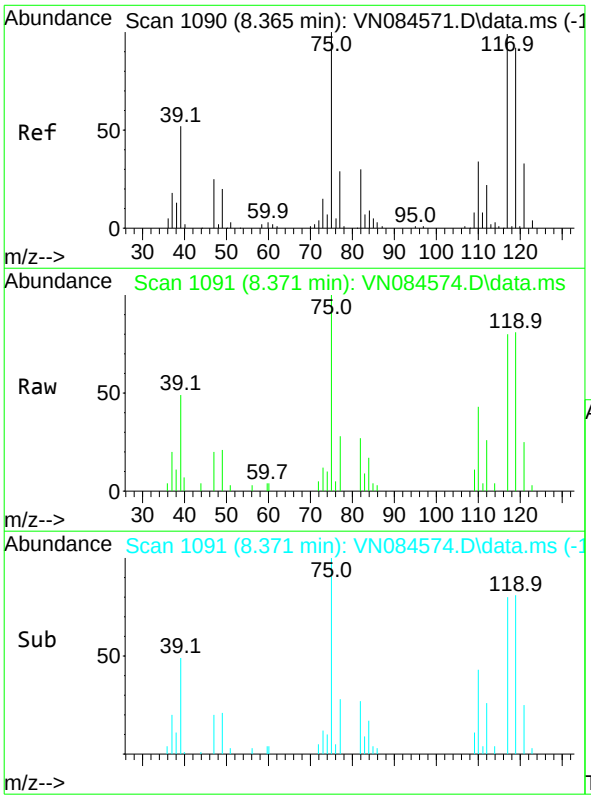
Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.3	124.9
192	16.2	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

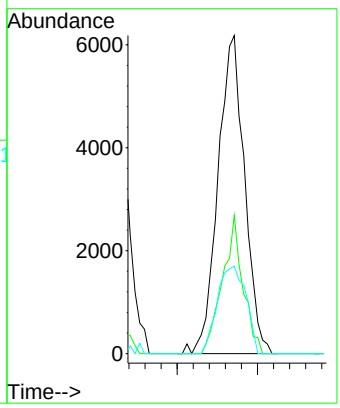
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

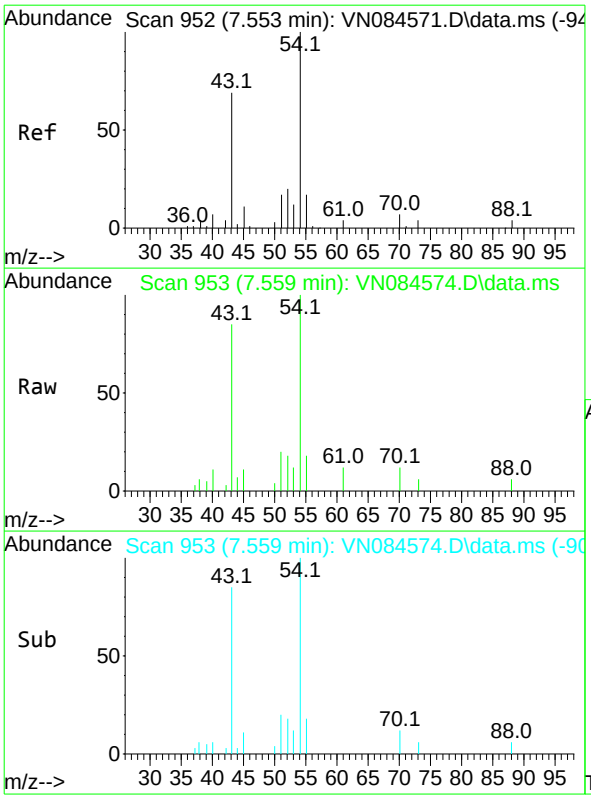


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 14193

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.7
77	29.6	24.7	37.1

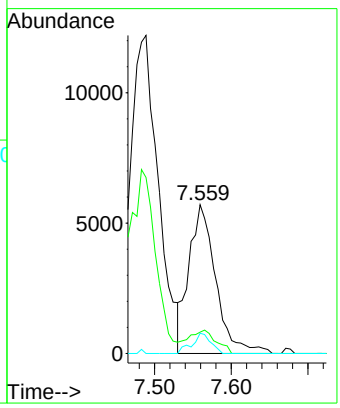




#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 13884

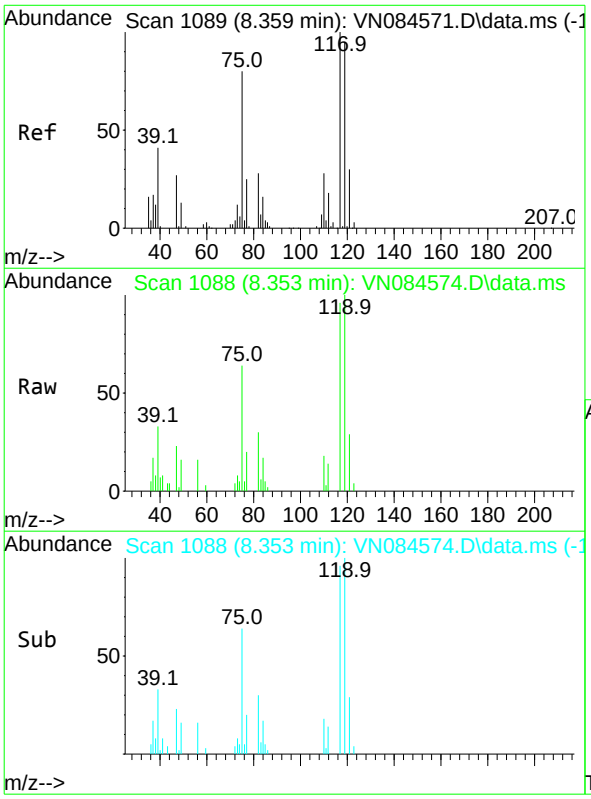
Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.7	16.1#
70	9.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

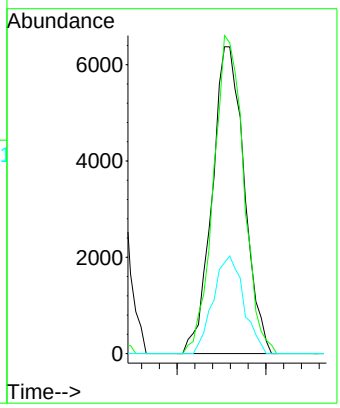
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

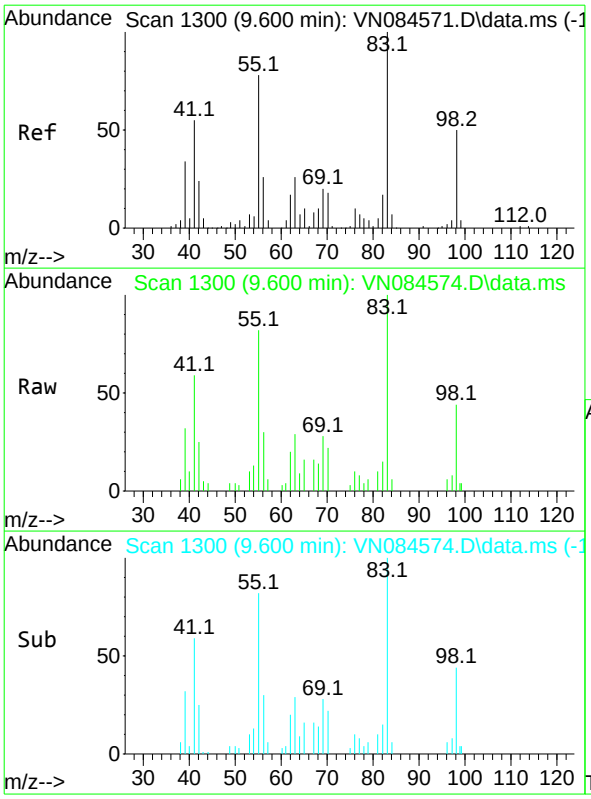


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 15977

Ion	Ratio	Lower	Upper
117	100		
119	103.6	78.7	118.1
121	29.6	24.4	36.6

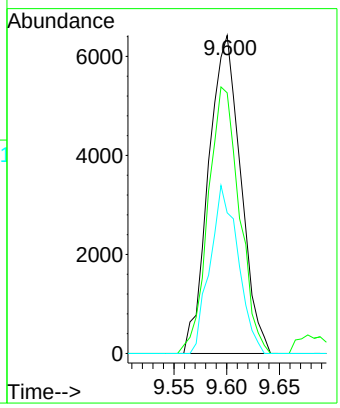




#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 13624

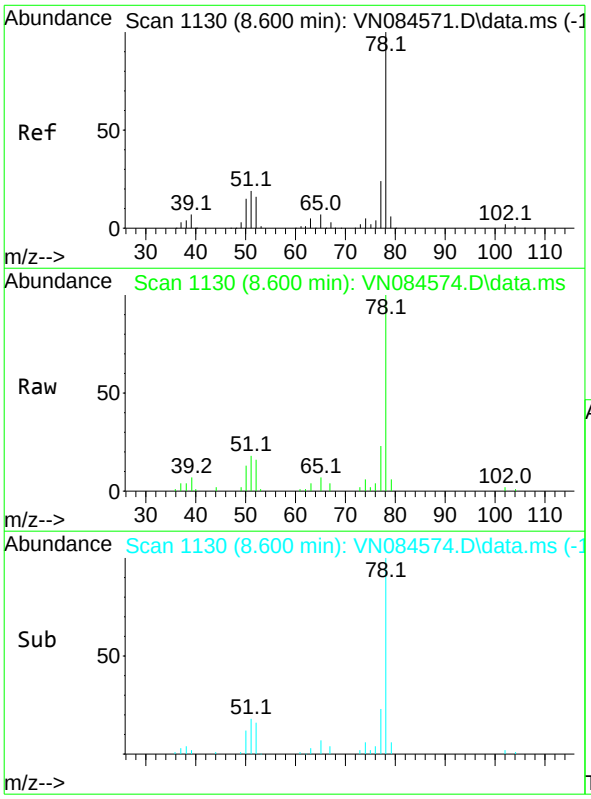
Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	44.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

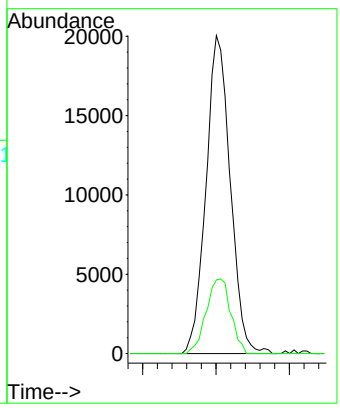
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

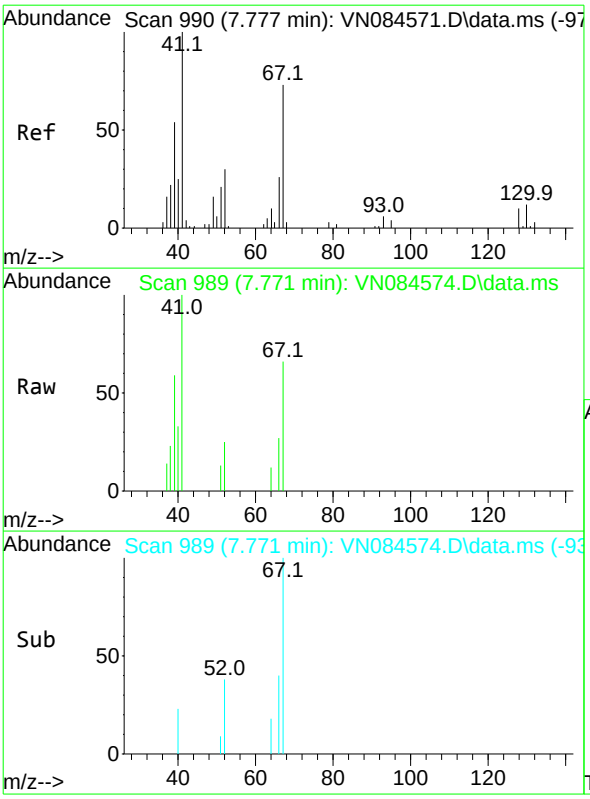


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

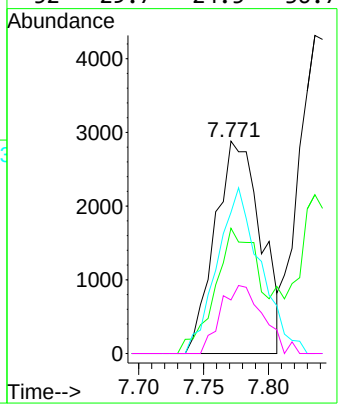




#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 7091

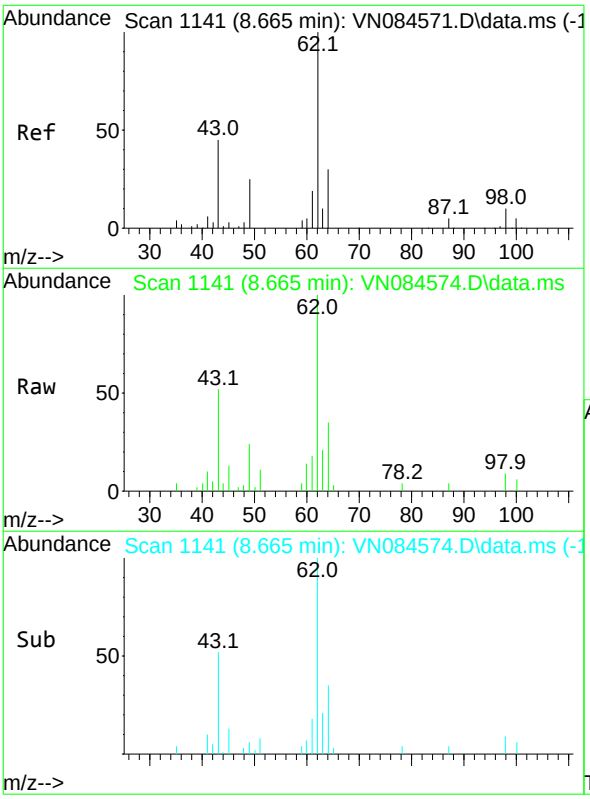
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

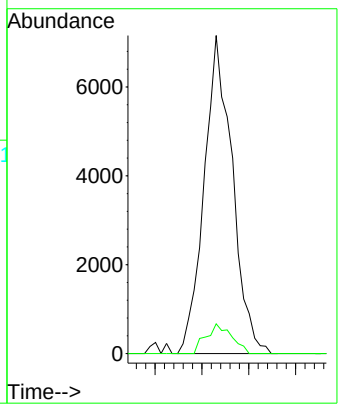
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

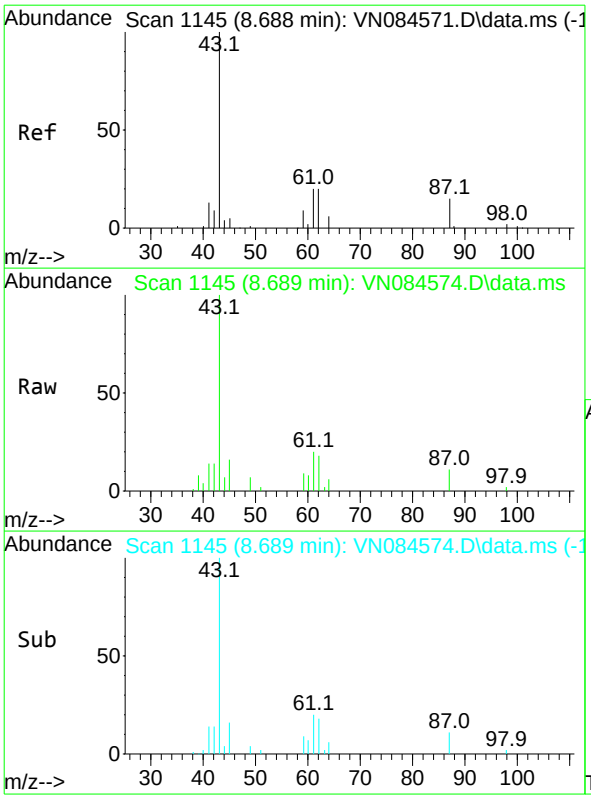


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 14972

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 5.554 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

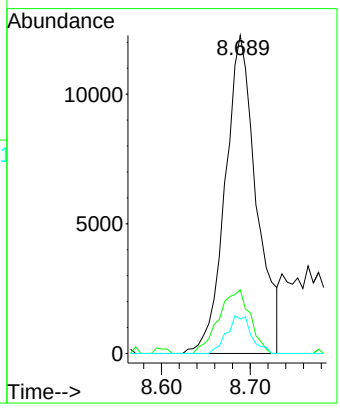
Tgt Ion: 43 Resp: 30044

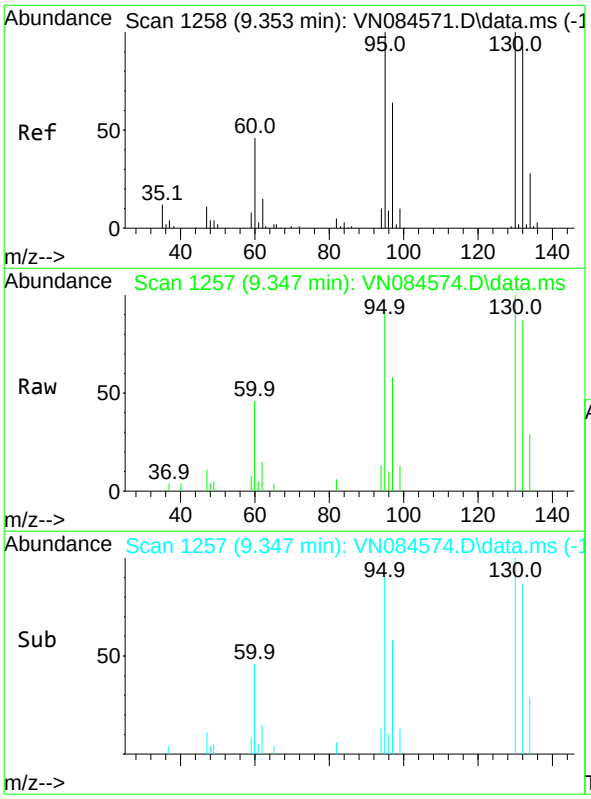
Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.4	30.6#
87	9.3	10.3	15.5#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

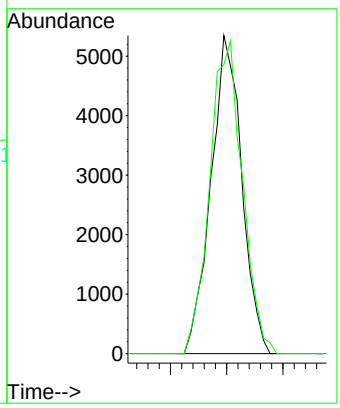


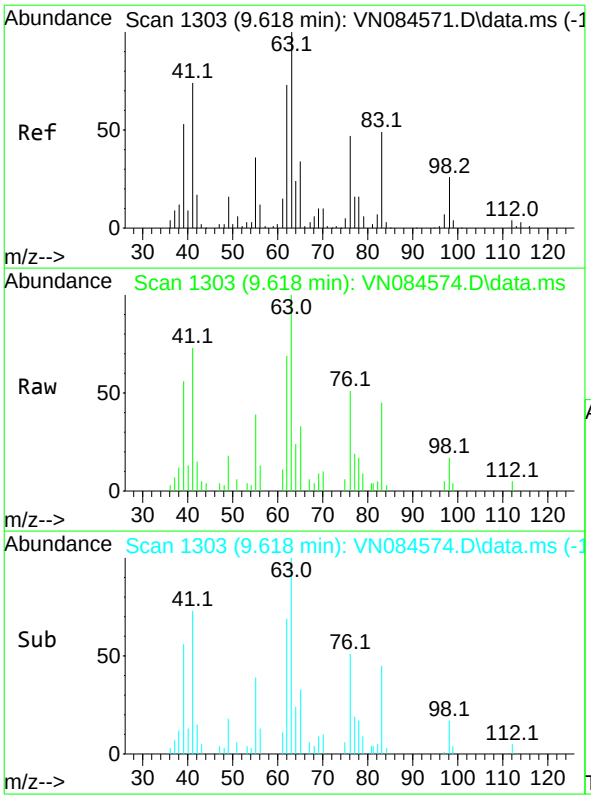


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0

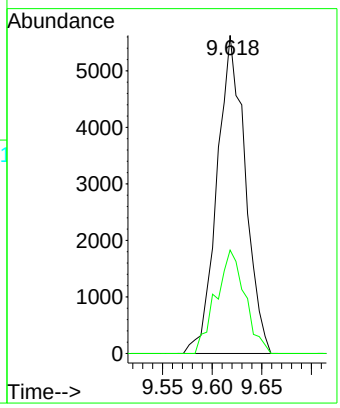




#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 11095

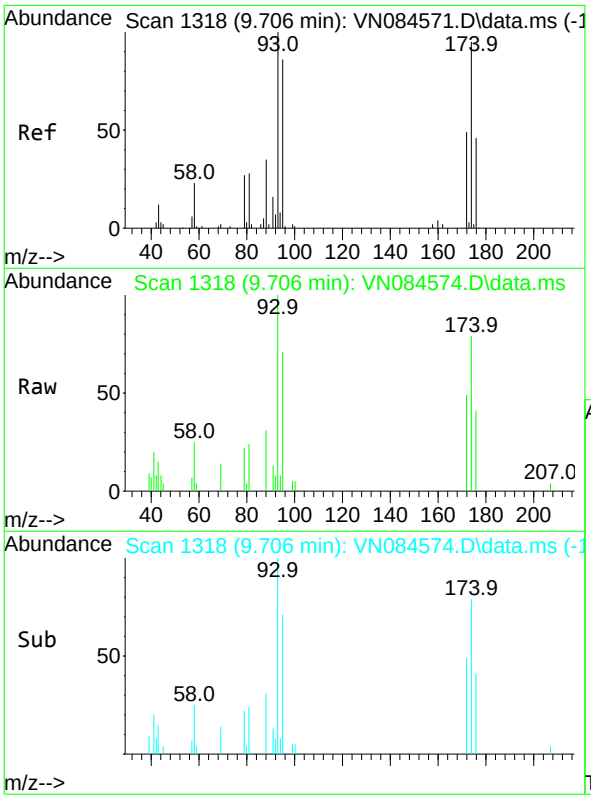
Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

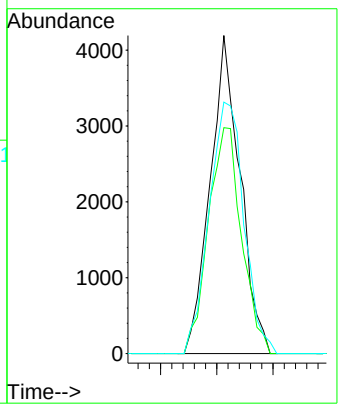
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

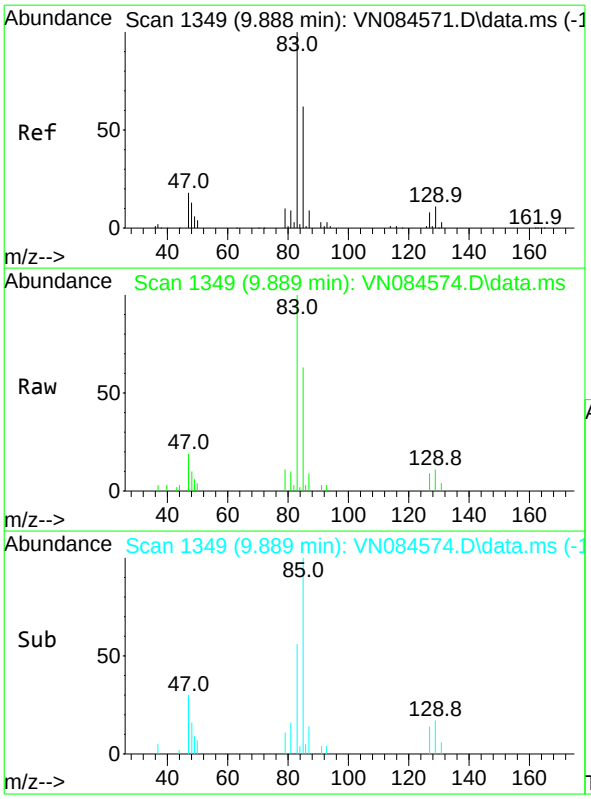


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 93 Resp: 7752

Ion	Ratio	Lower	Upper
93	100		
95	78.8	65.0	97.4
174	92.1	71.8	107.8

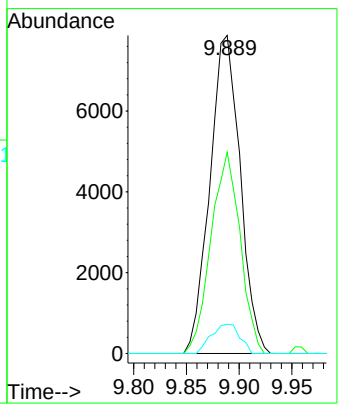




#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15749

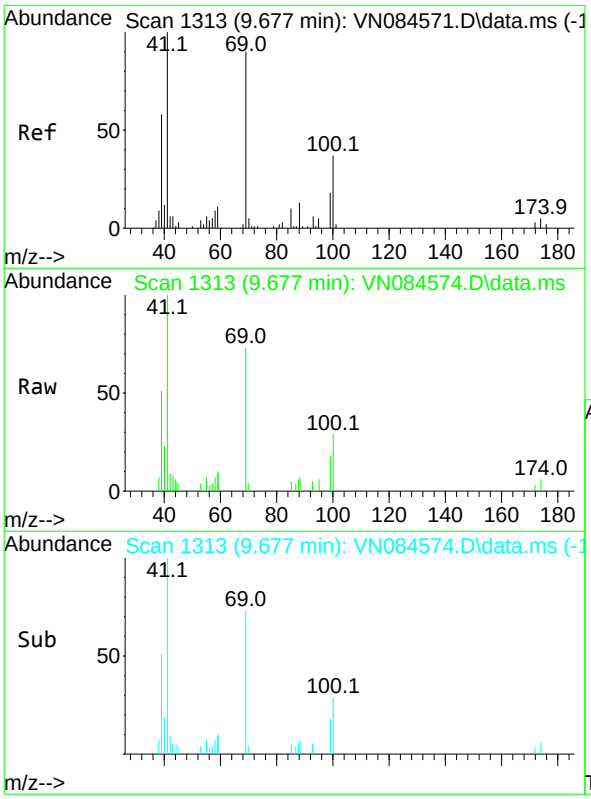
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.2	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

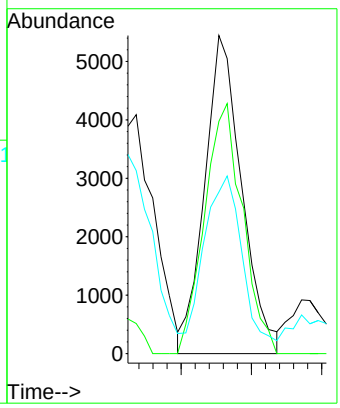
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

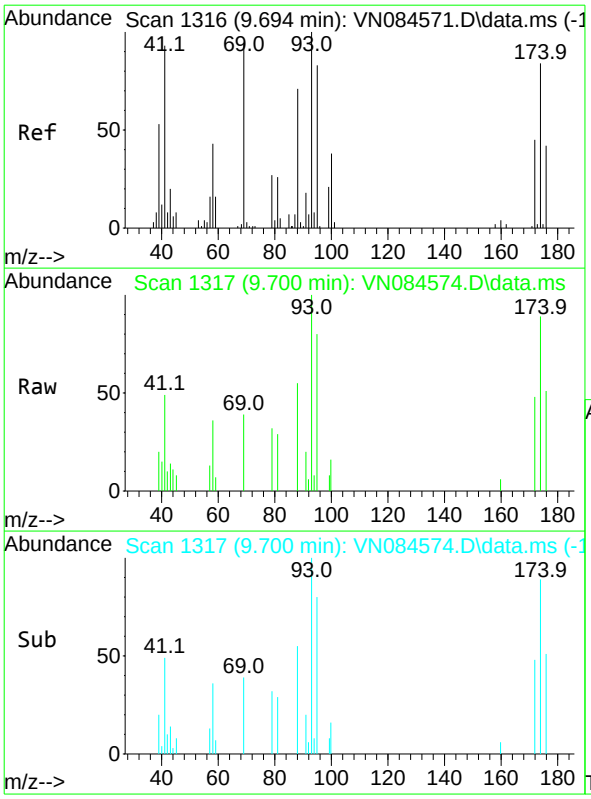


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 9971

Ion	Ratio	Lower	Upper
41	100		
69	80.8	67.1	100.7
39	59.6	45.8	68.6

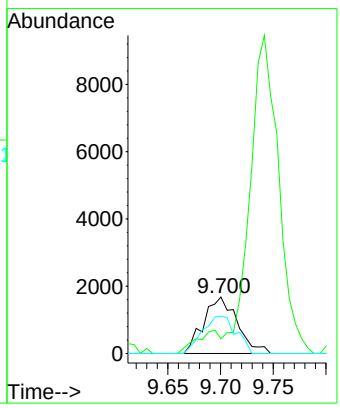




#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 88 Resp: 3729

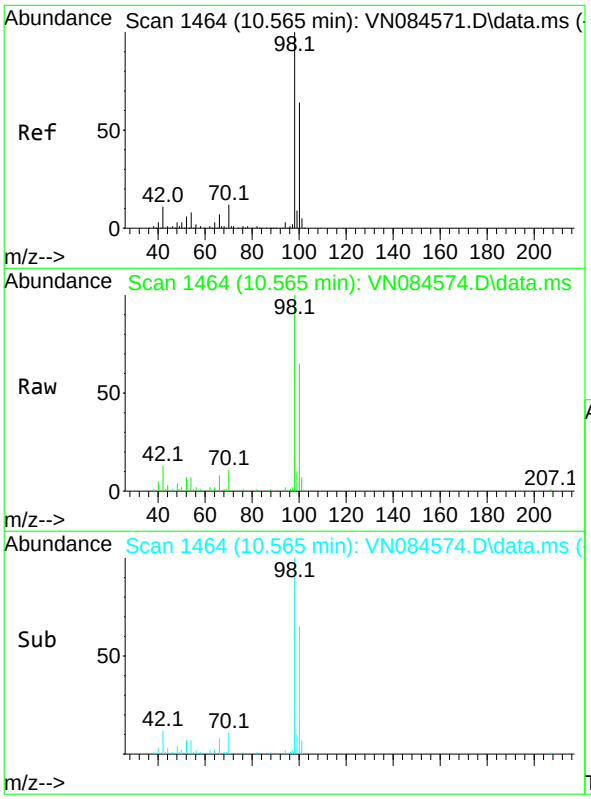
Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.3	37.9
58	65.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

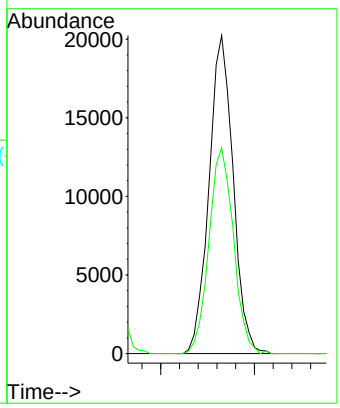
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

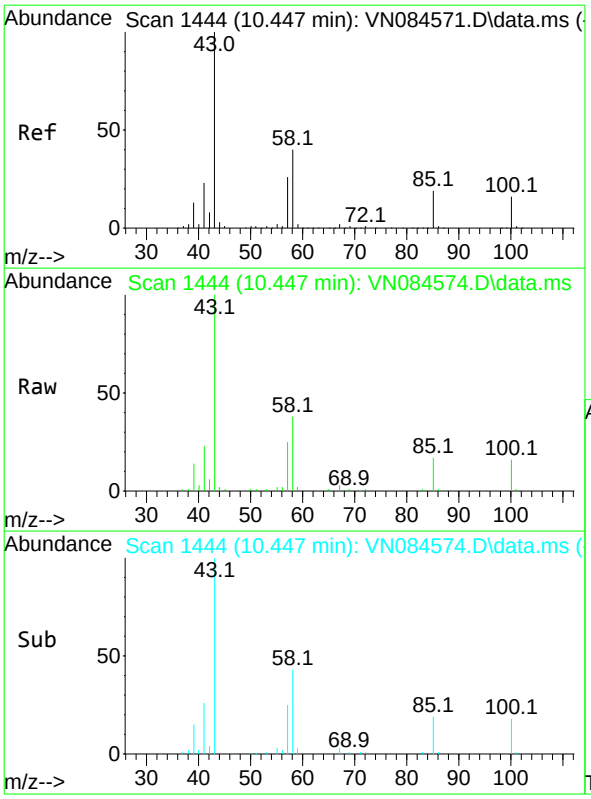


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

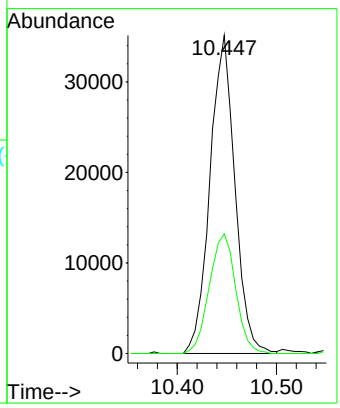




#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 61332

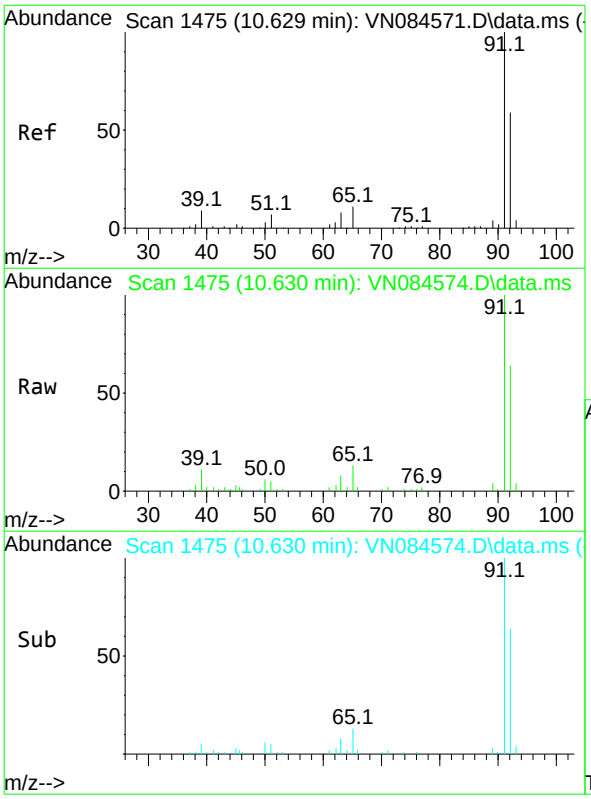
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

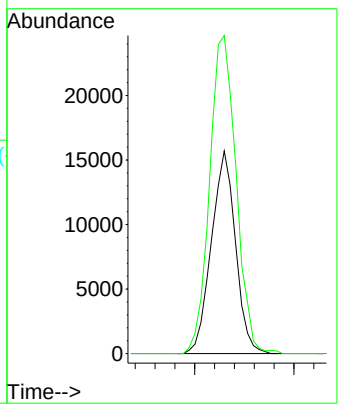
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

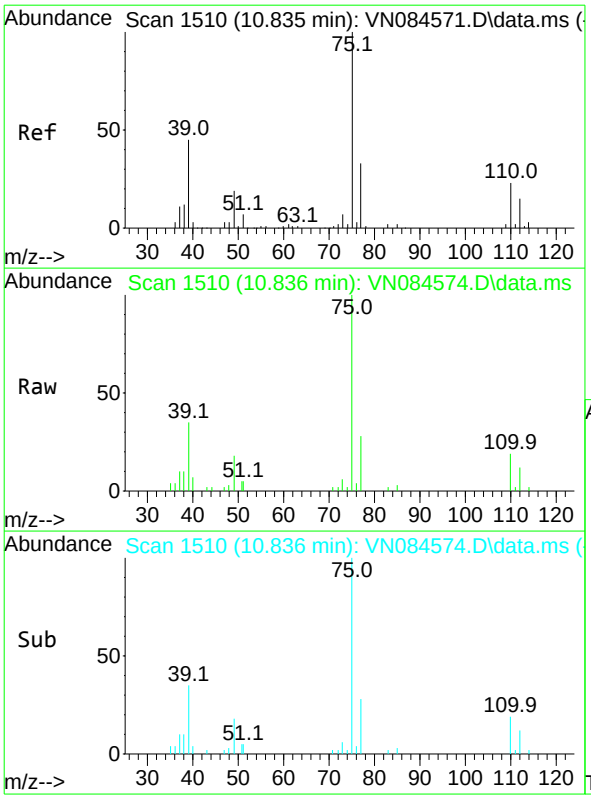


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9

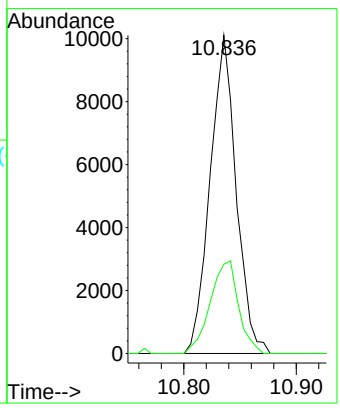




#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 16279

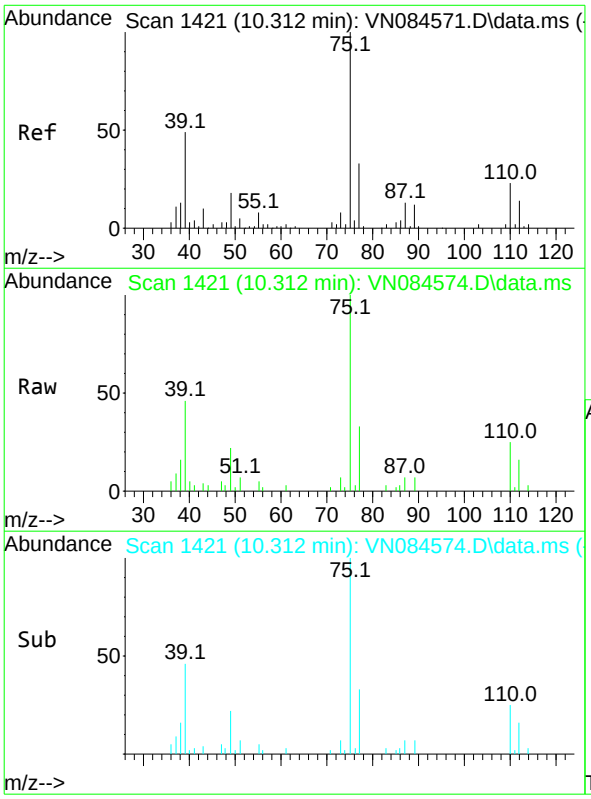
Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

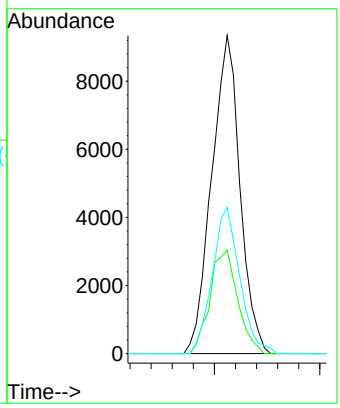
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

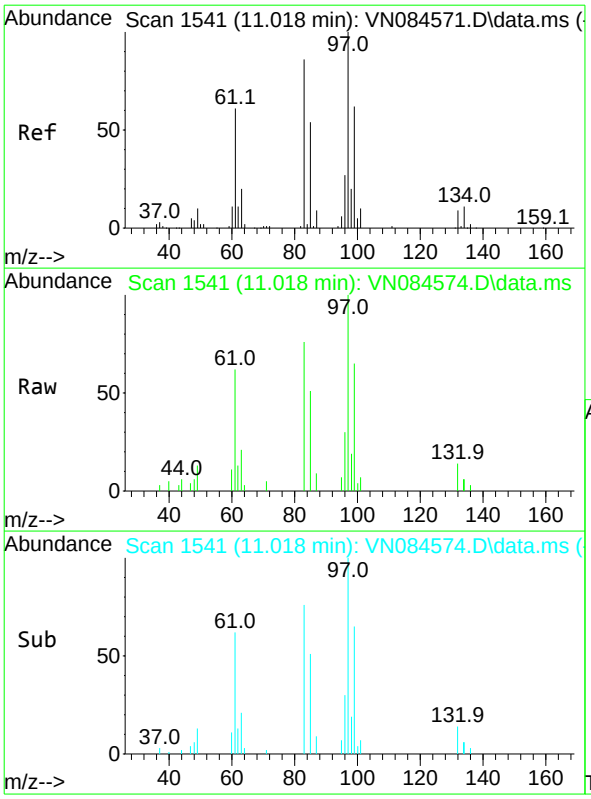


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 17395

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	46.0	38.7	58.1

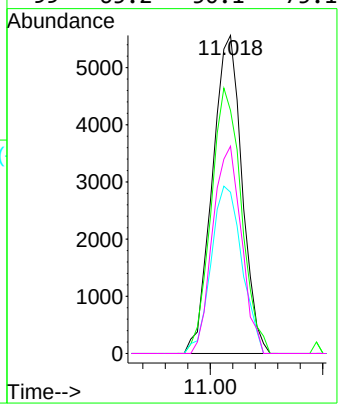




#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 10193

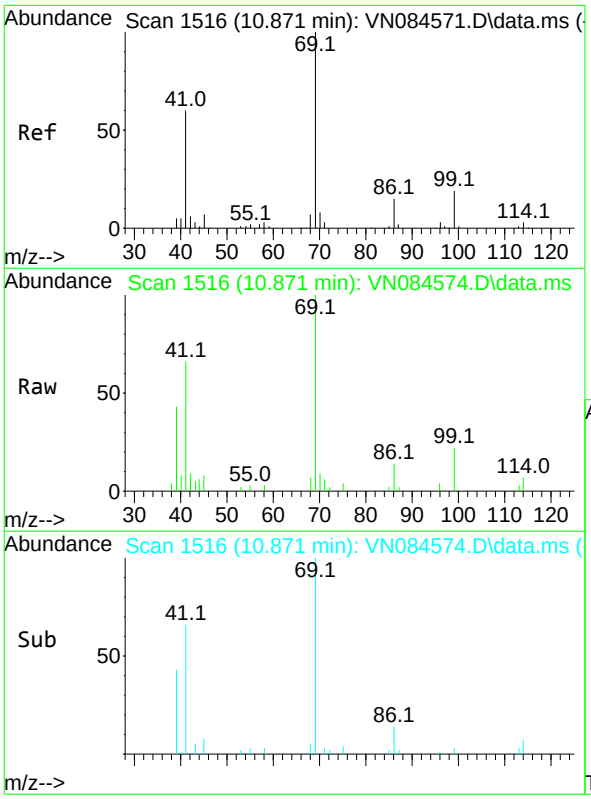
Ion	Ratio	Lower	Upper
97	100		
83	76.4	71.0	106.4
85	50.7	41.7	62.5
99	65.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

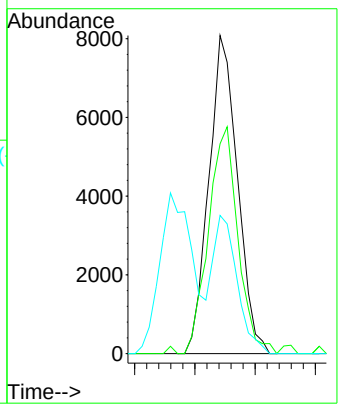
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

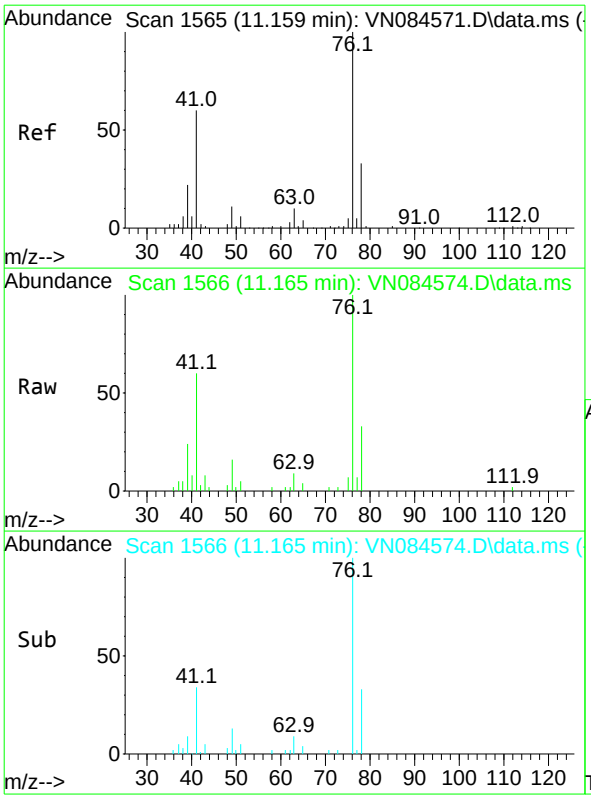


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 69 Resp: 13362

Ion	Ratio	Lower	Upper
69	100		
41	73.3	53.3	79.9
39	36.7	28.8	43.2

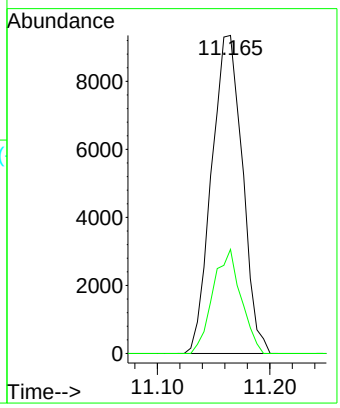




#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 76 Resp: 17816

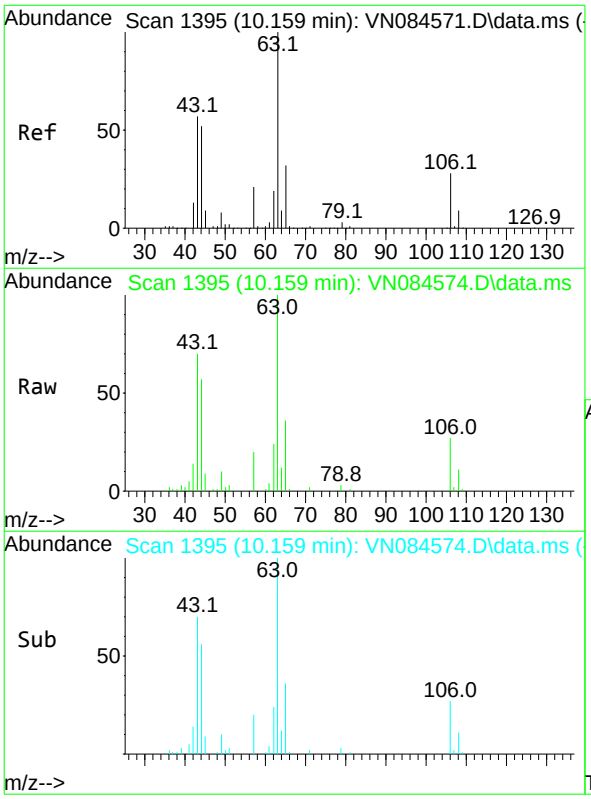
Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

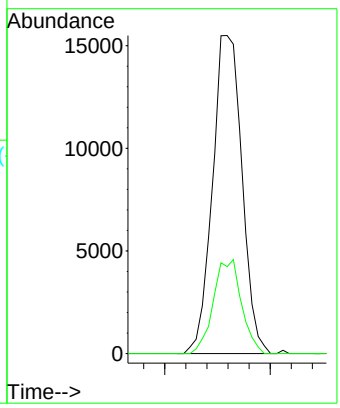
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

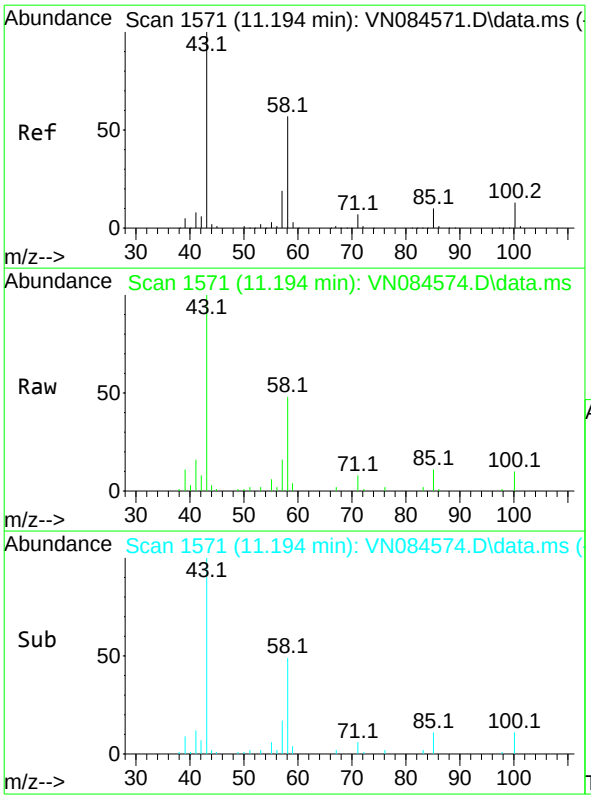


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6

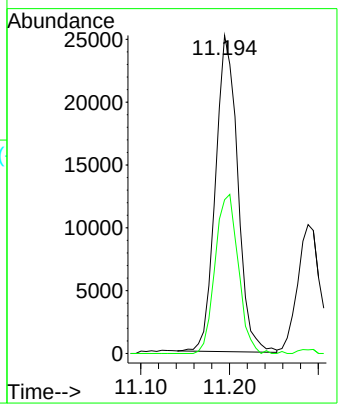




#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 43750

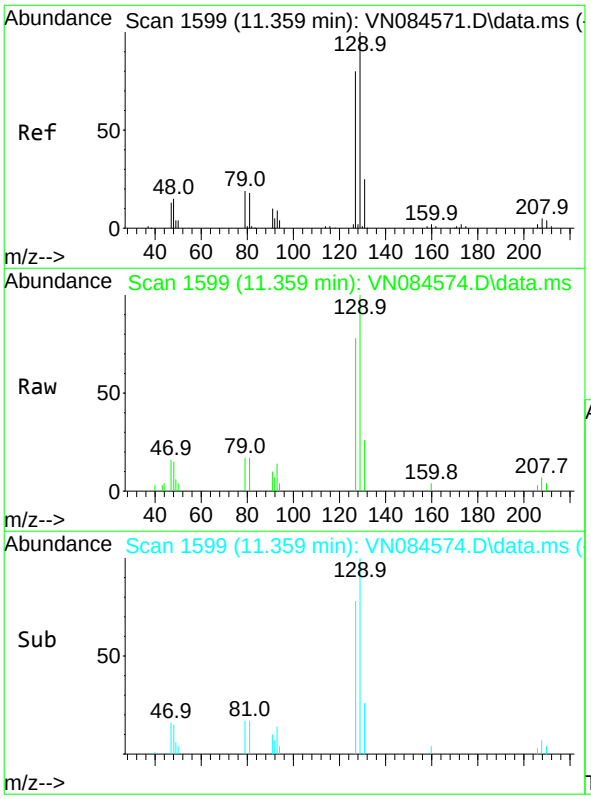
Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

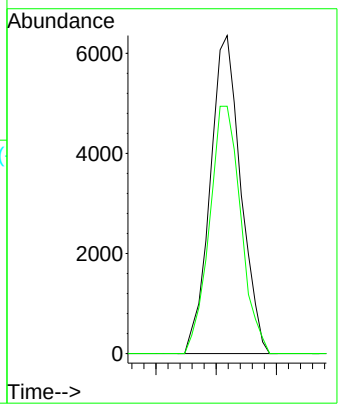
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

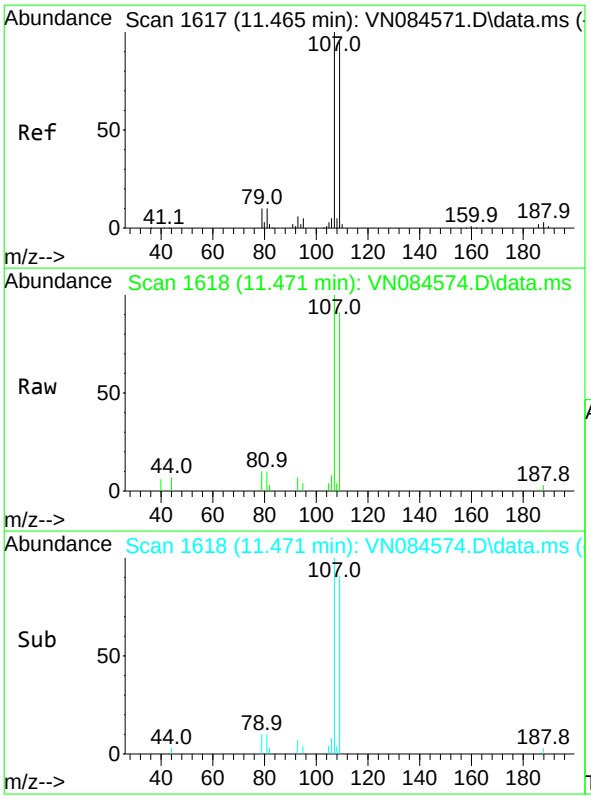


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9

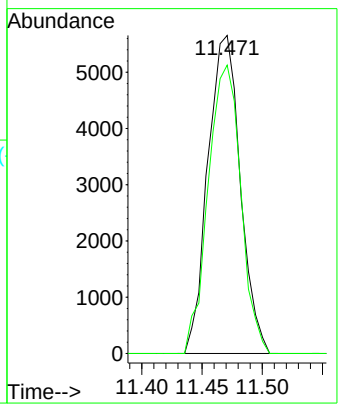




#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:107 Resp: 10584

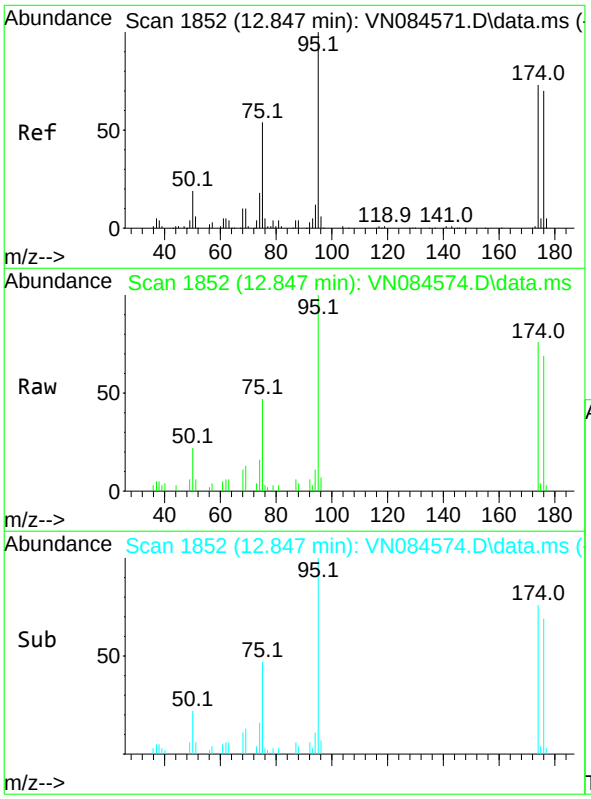
Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

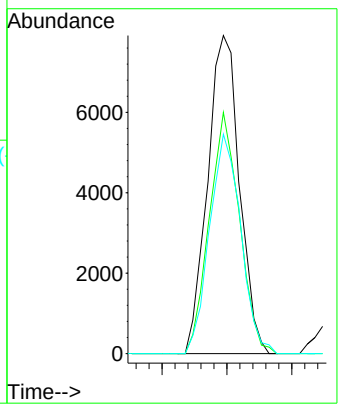
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

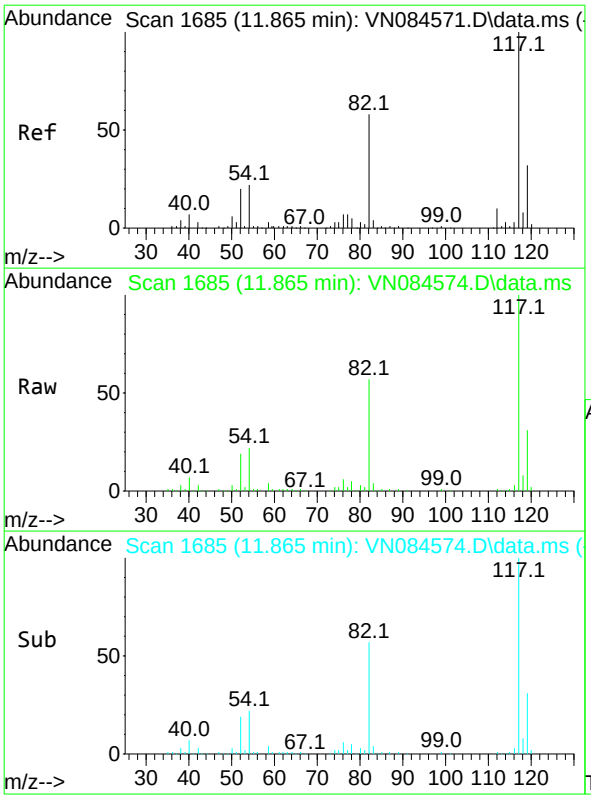


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 95 Resp: 13506

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	145.2
176	67.5	0.0	140.0

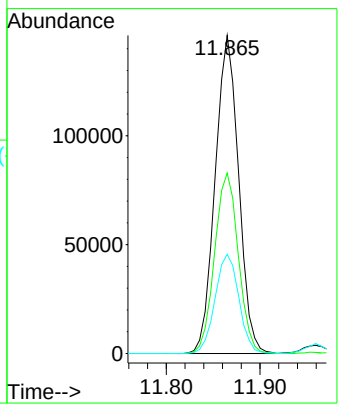




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 254342

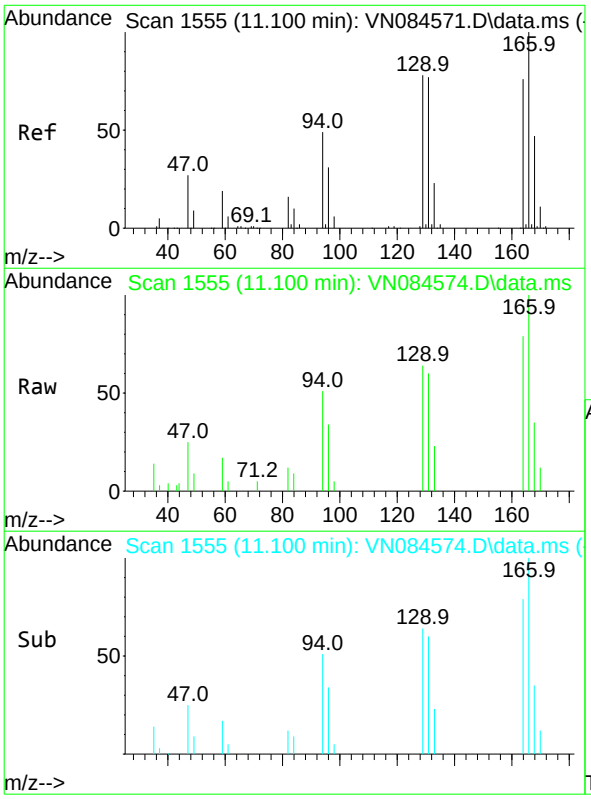
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

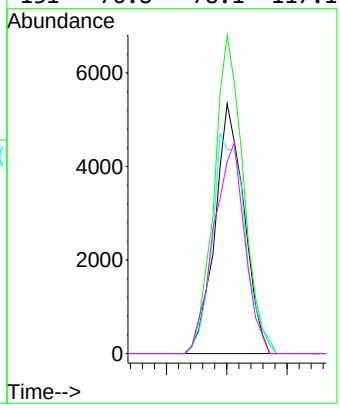
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

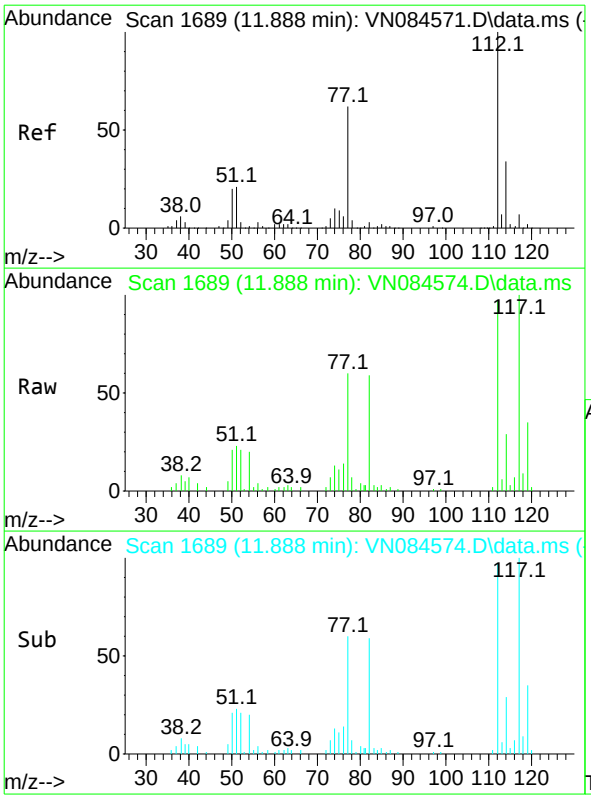


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:164 Resp: 8917

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	81.6	80.8	121.2
131	76.8	78.1	117.1#

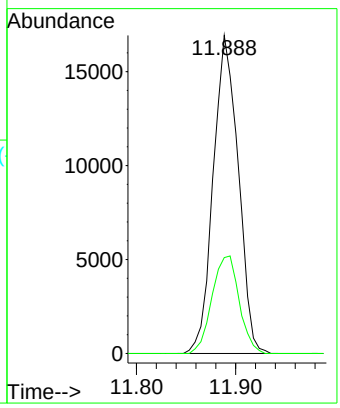




#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:112 Resp: 29618

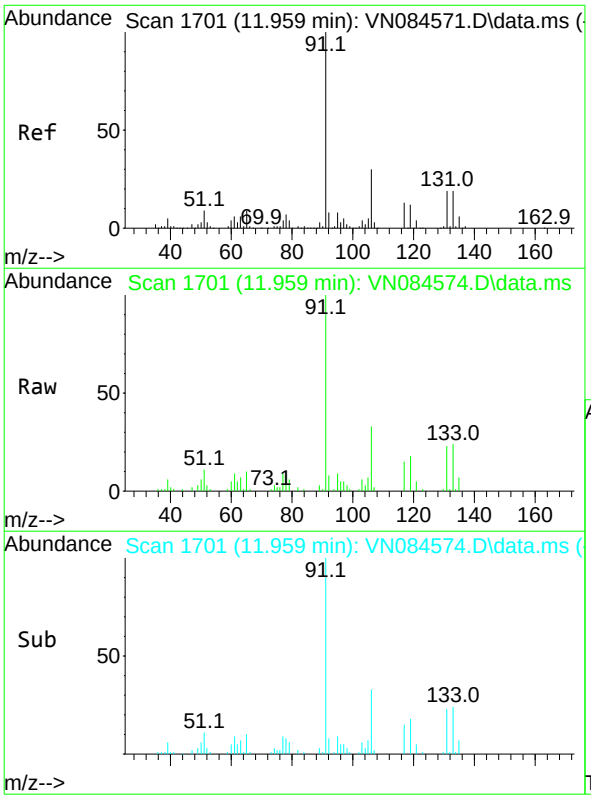
Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

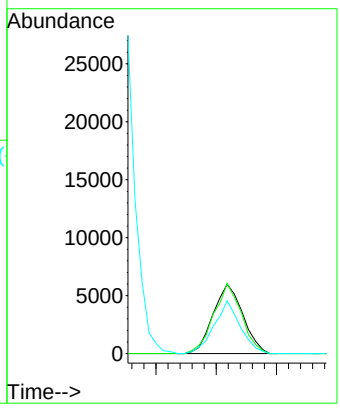
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

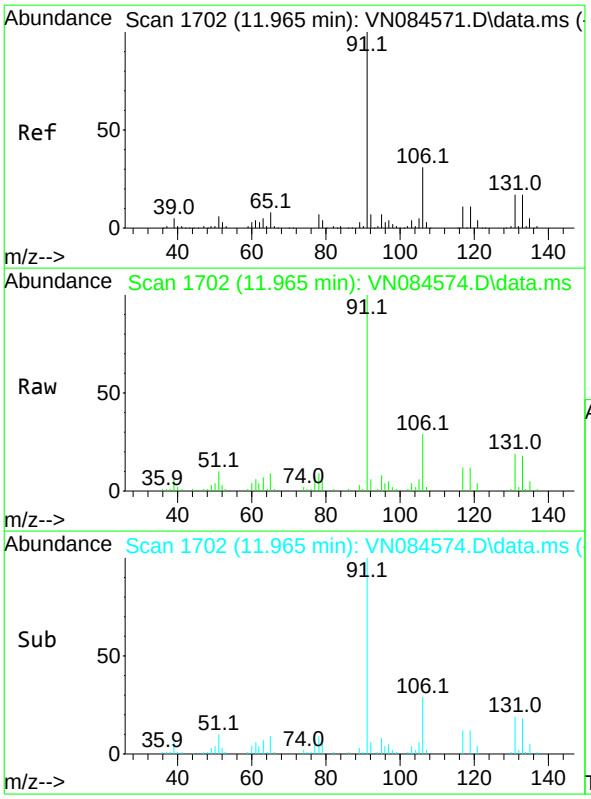


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:131 Resp: 10265

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	66.8	32.8	98.3

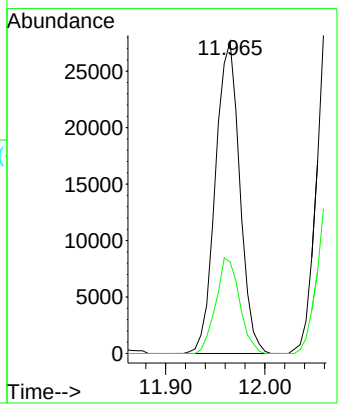




#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47037

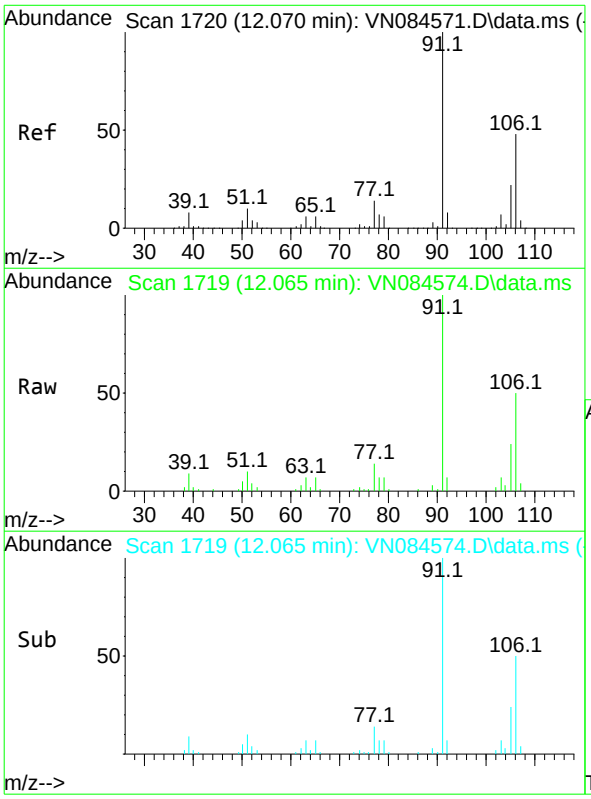
Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

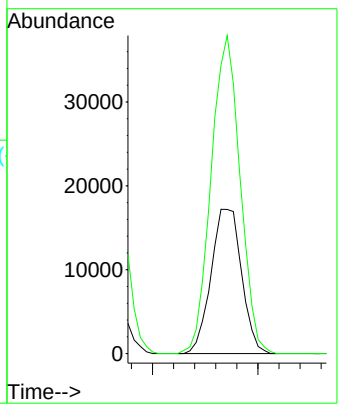
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

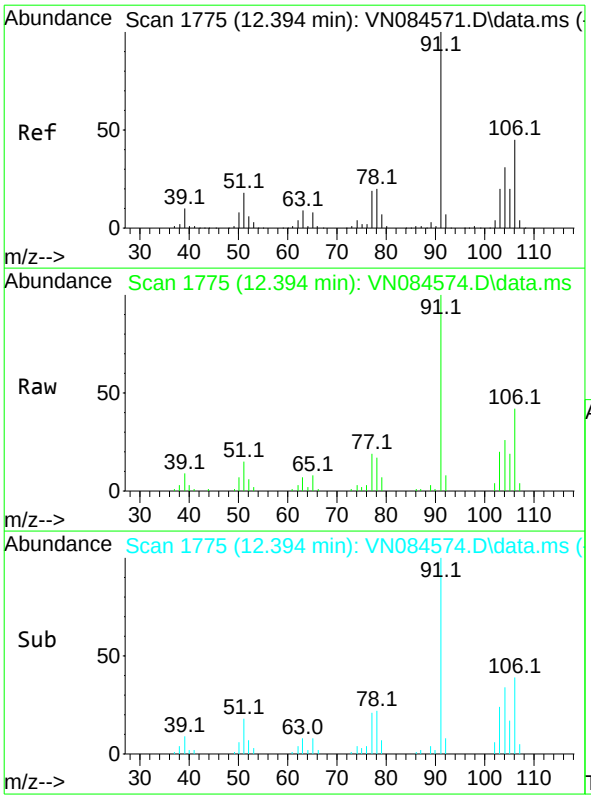


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7

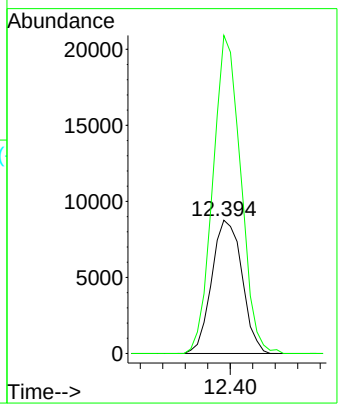




#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 16393

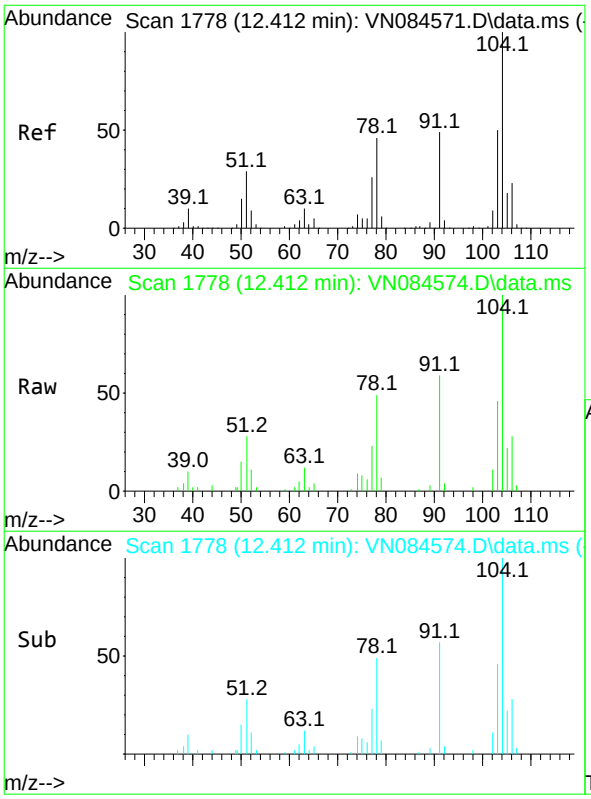
Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

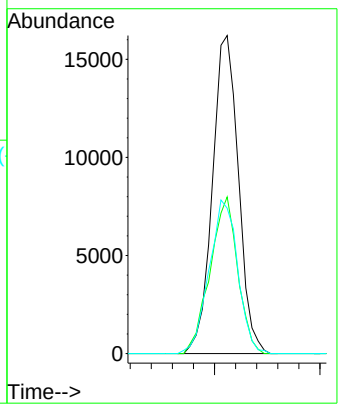
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

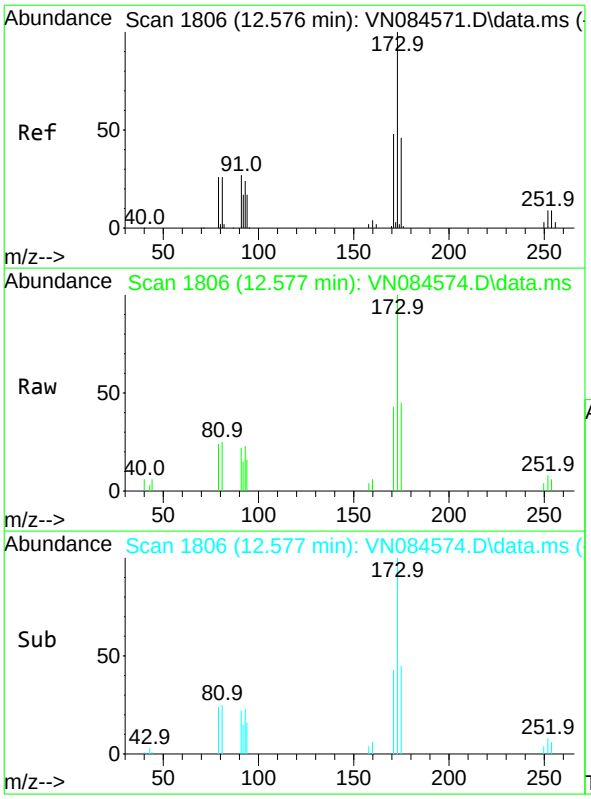


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:104 Resp: 27807

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	53.0	43.6	65.4

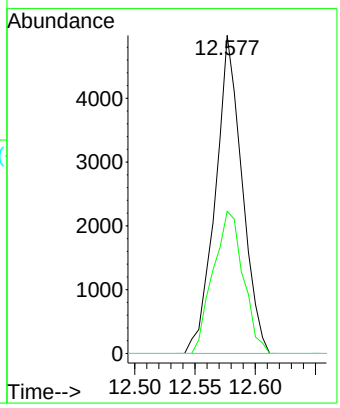




#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:173 Resp: 7686

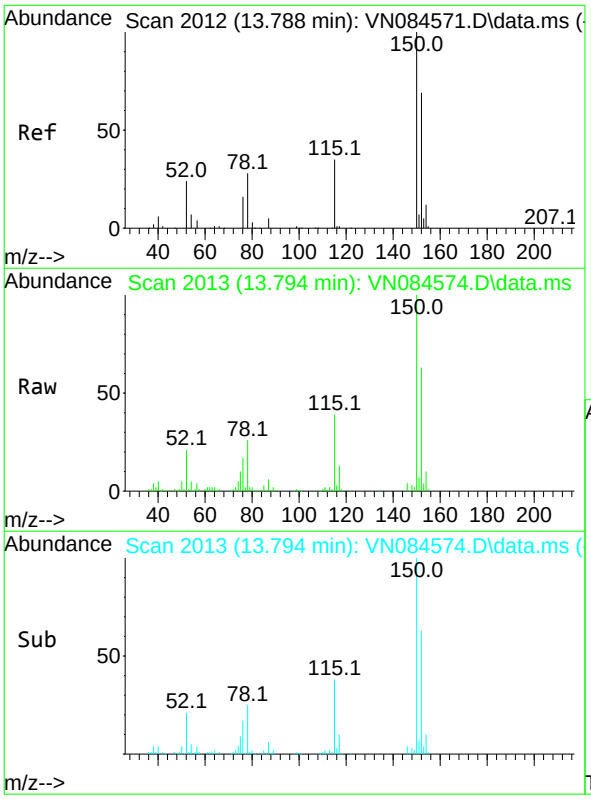
Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

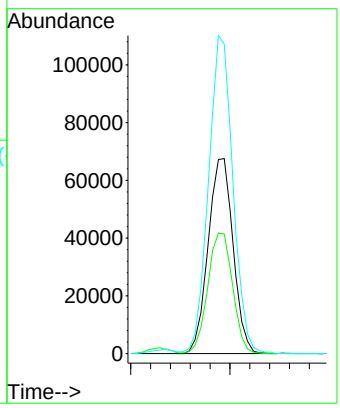
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

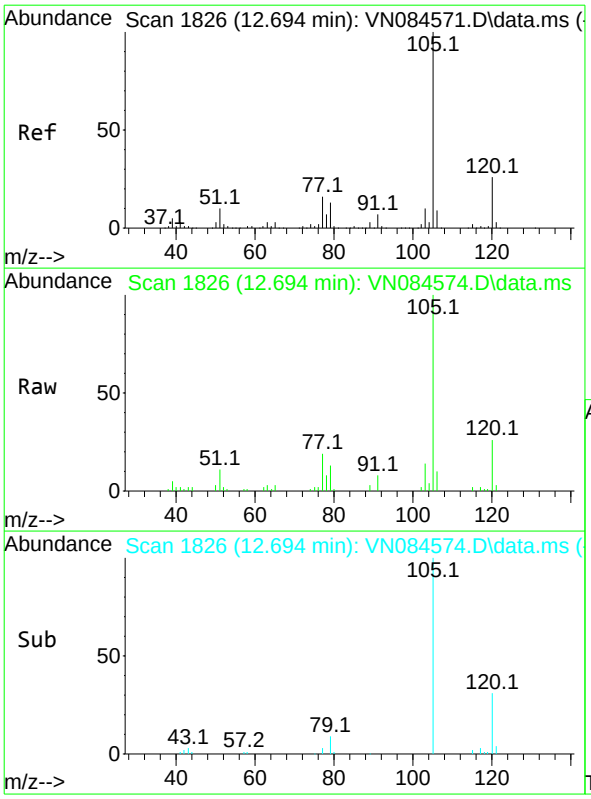


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:152 Resp: 118229

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	159.1	0.0	349.8

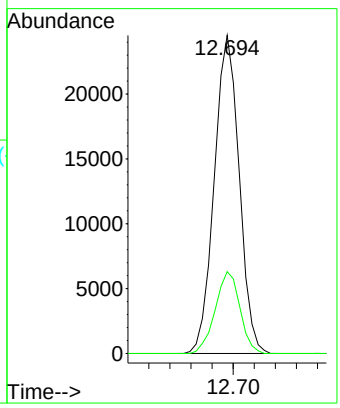




#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 40223

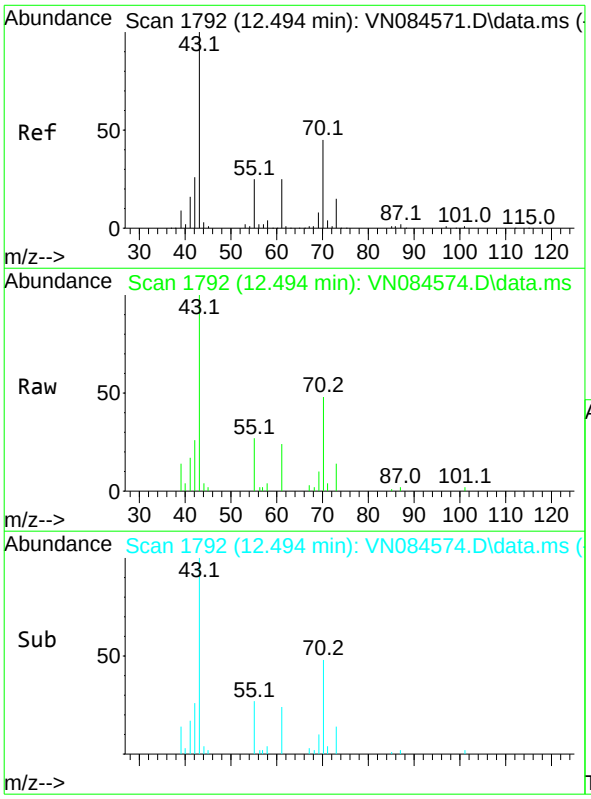
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

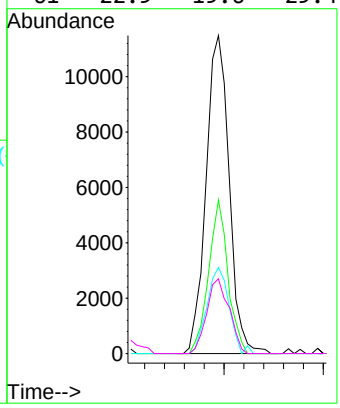
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

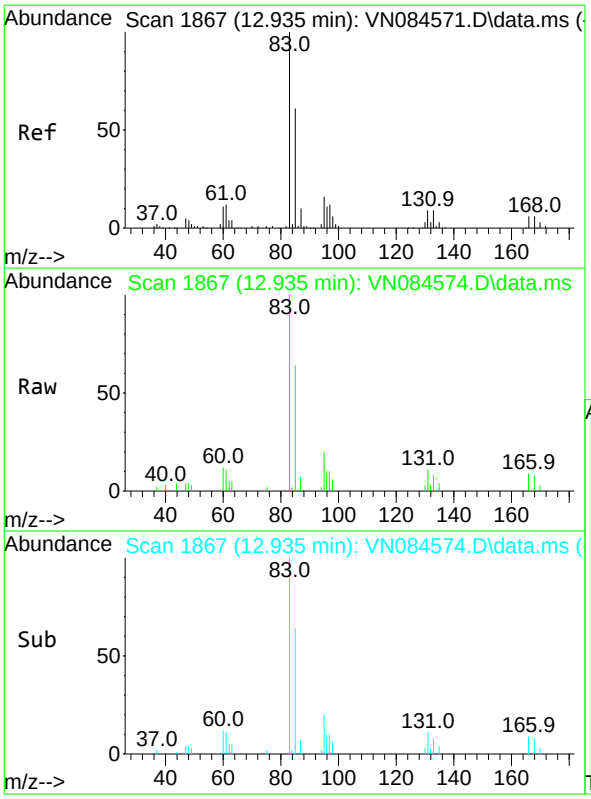


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 18583

Ion	Ratio	Lower	Upper
43	100		
70	40.5	34.4	51.6
55	25.9	19.6	29.4
61	22.9	19.6	29.4

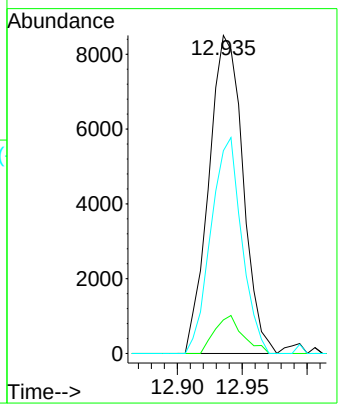




#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15573

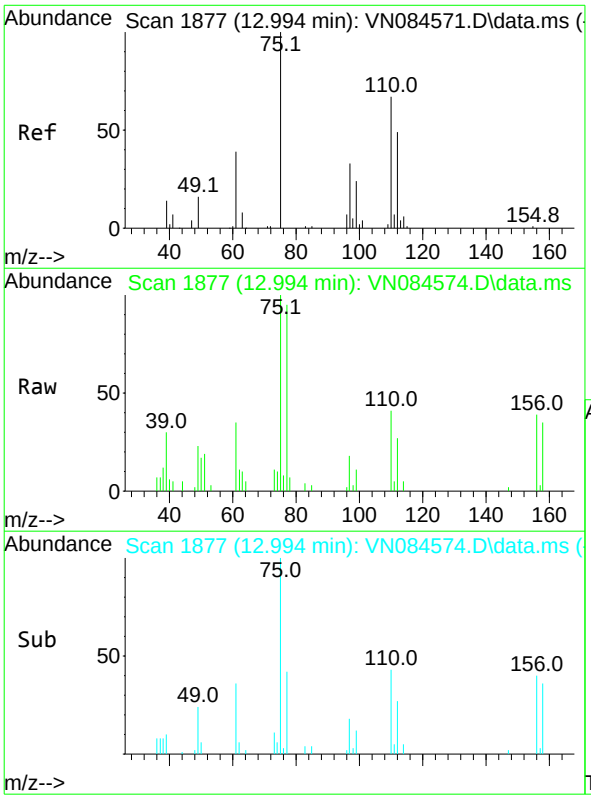
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

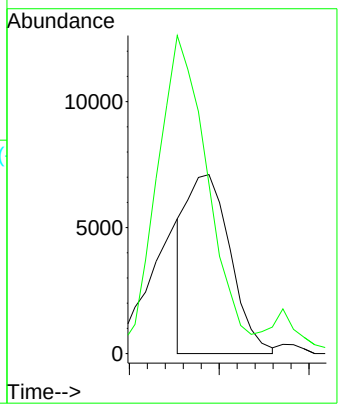
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

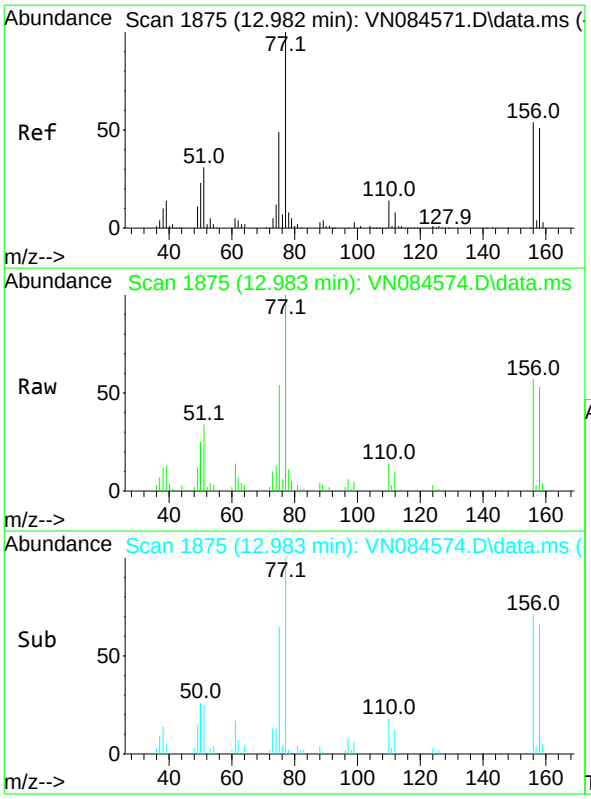


#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 11982

Ion	Ratio	Lower	Upper
75	100		
77	208.5	96.9	290.7

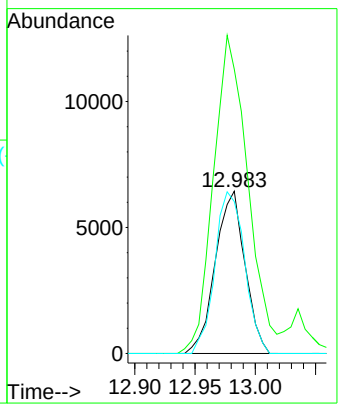




#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:156 Resp: 11012

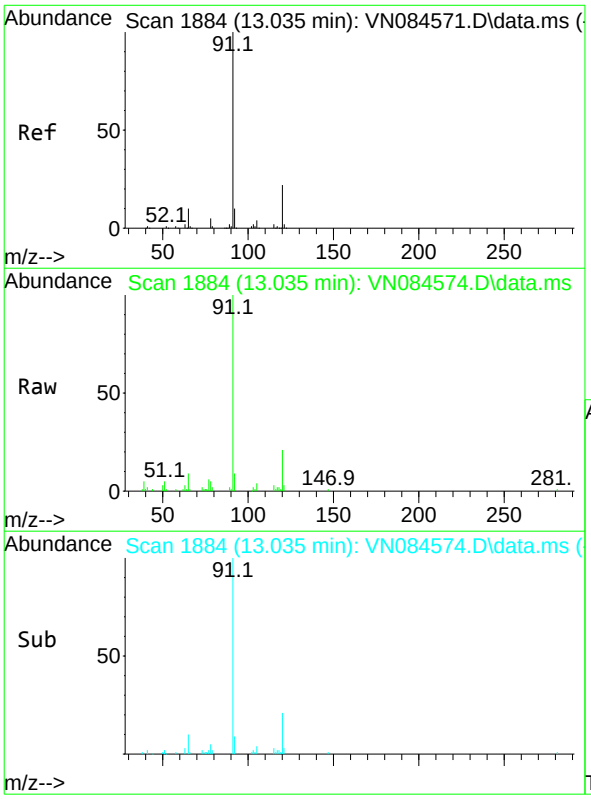
Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.1	345.3
158	100.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

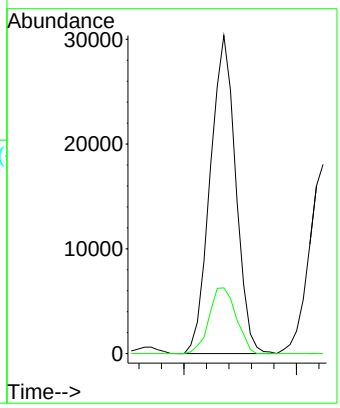
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

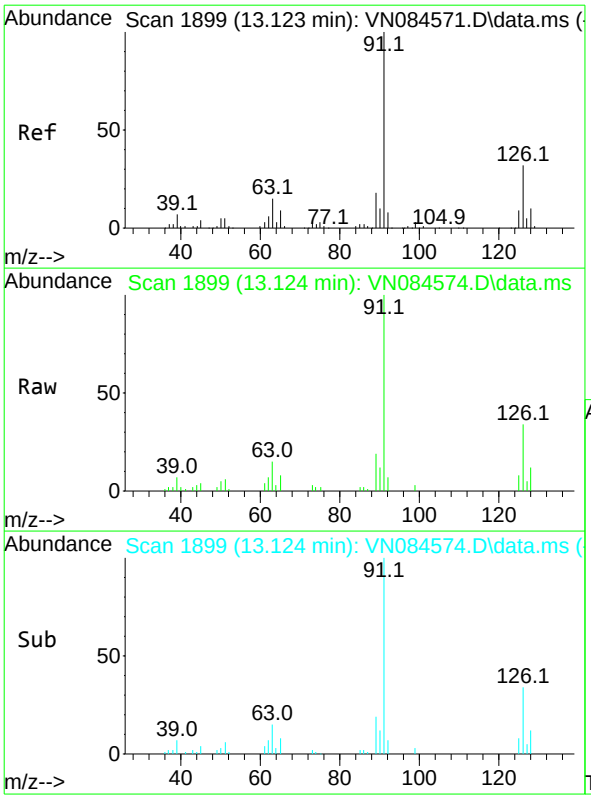


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

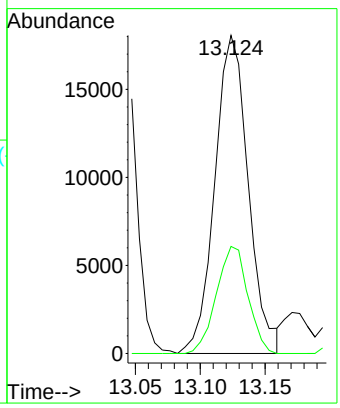




#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 32460

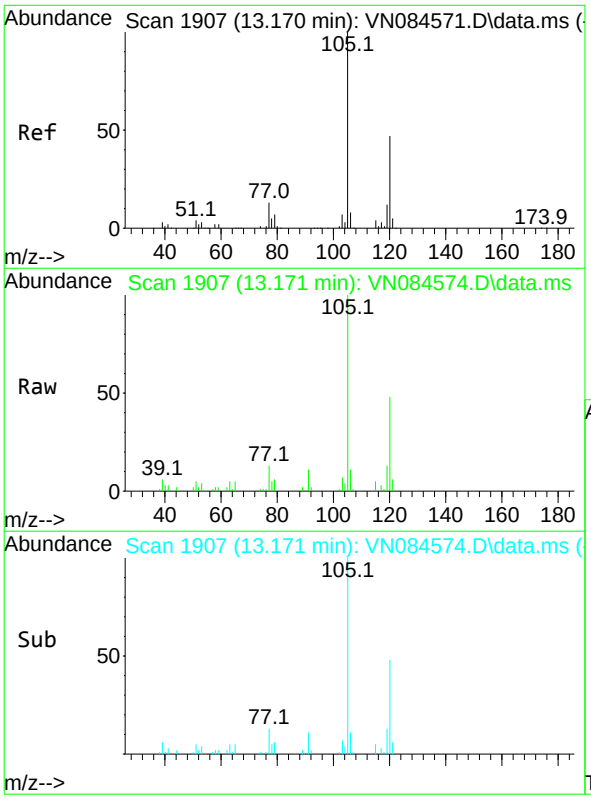
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

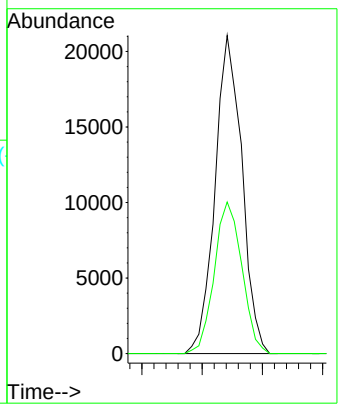
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

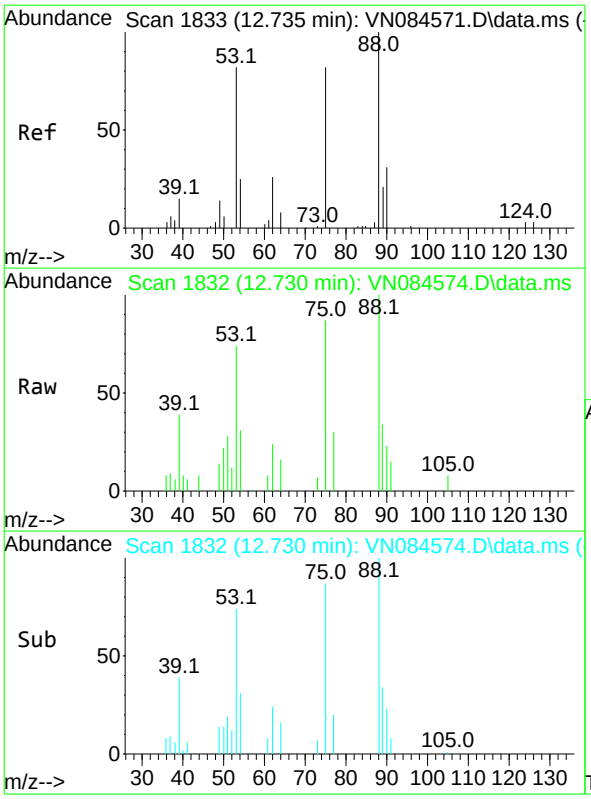


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1

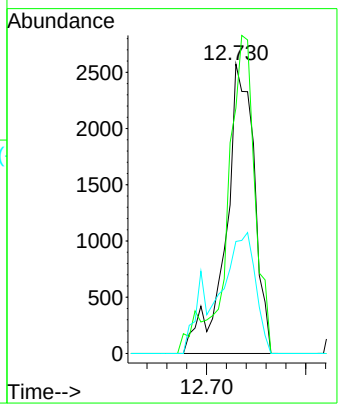




#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 5096

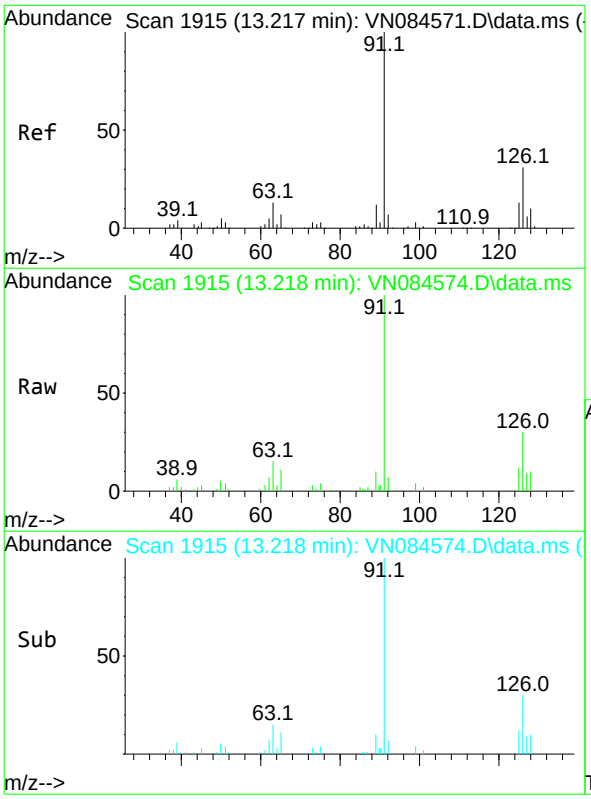
Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.0	117.0
89	43.5	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

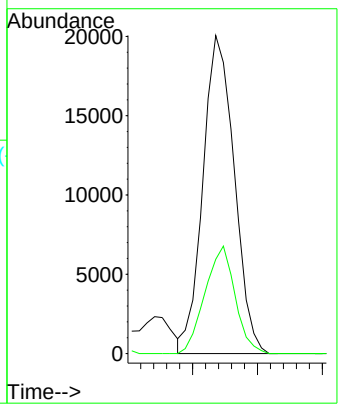
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

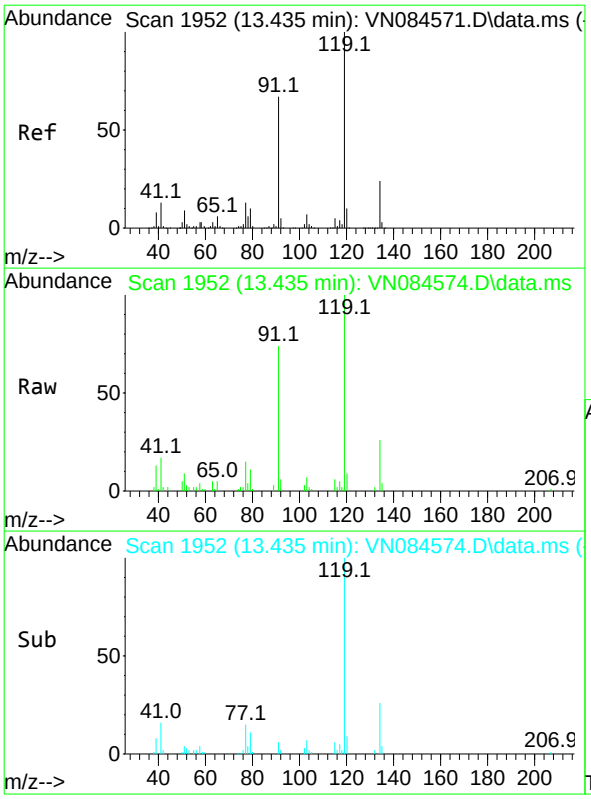


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

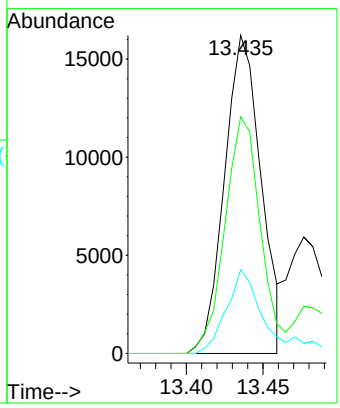




#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 26850

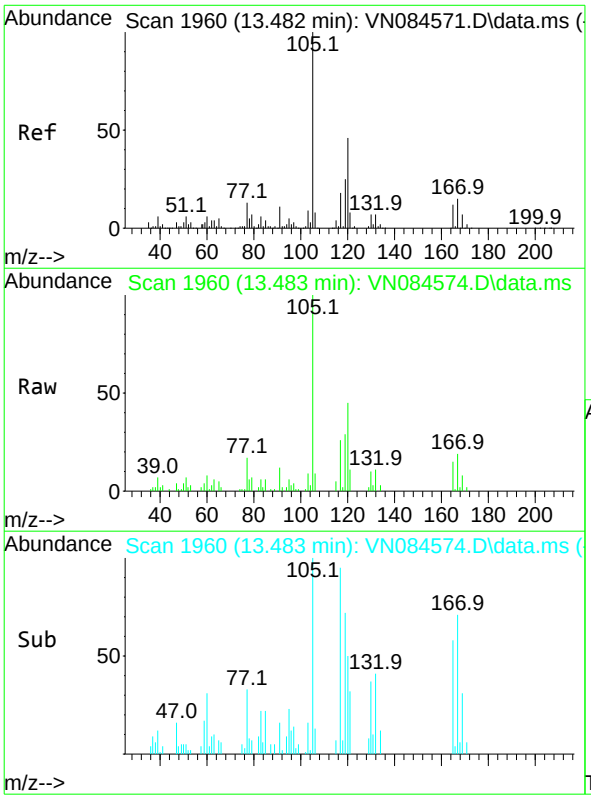
Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	27.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

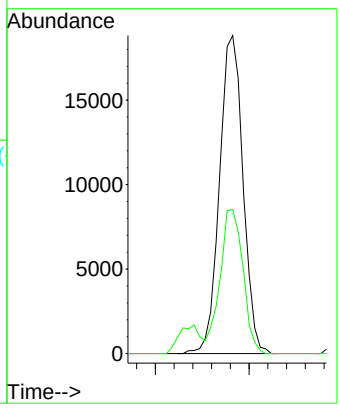
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

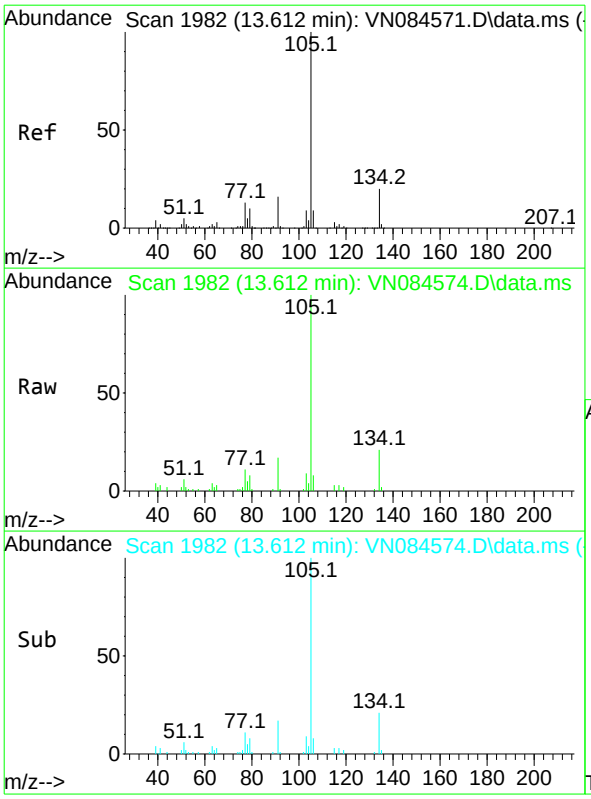


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8

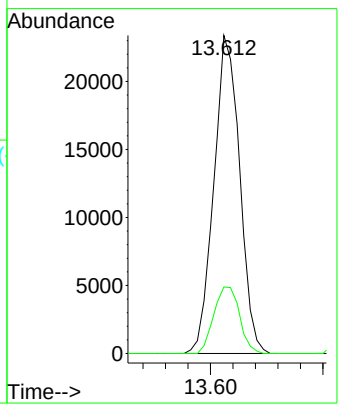




#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 37187

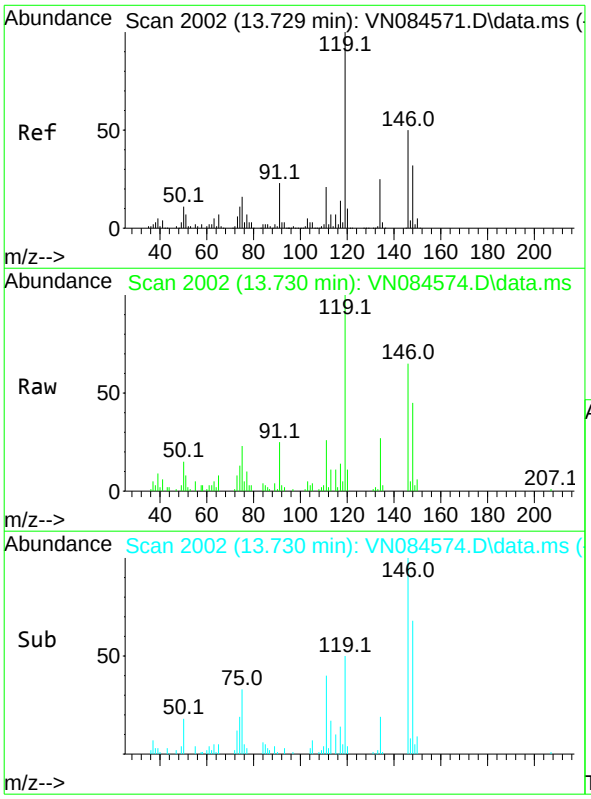
Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

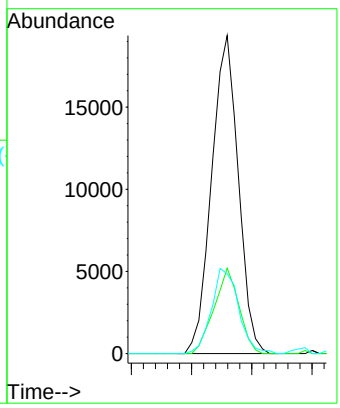
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

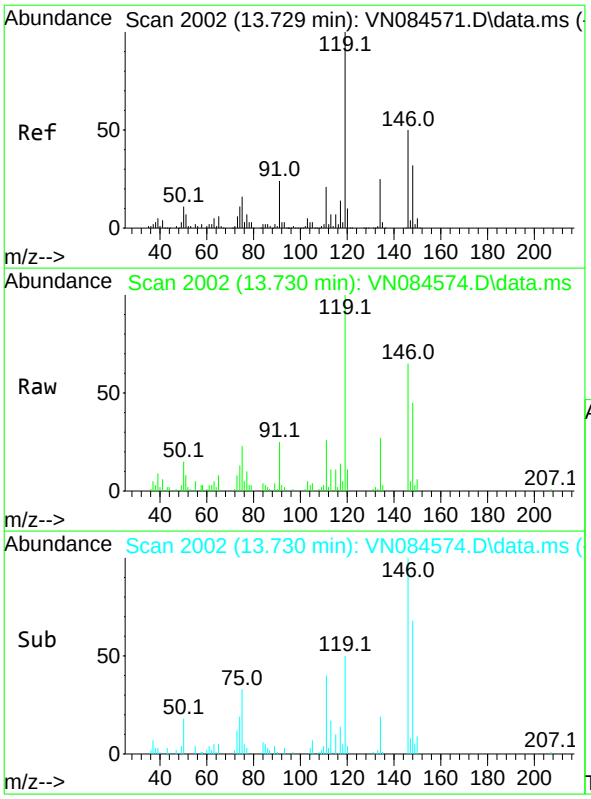


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 29767

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	27.2	12.4	37.2

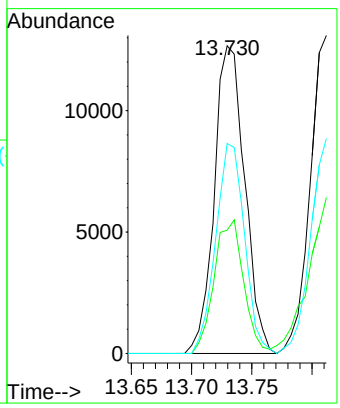




#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22272

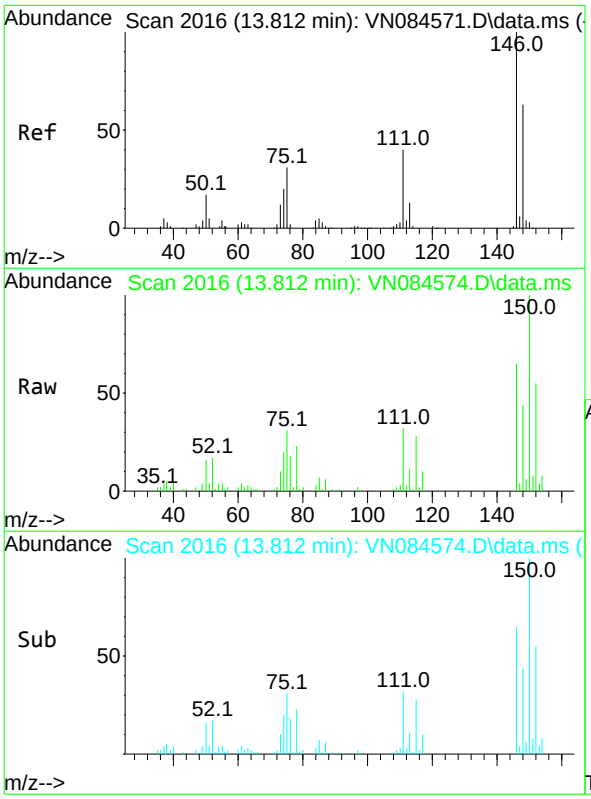
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

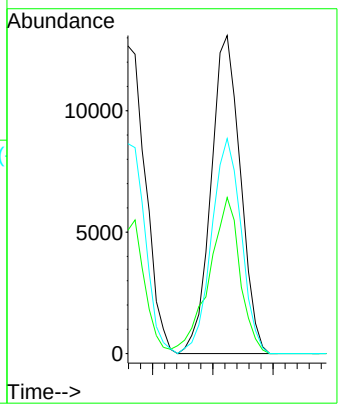
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

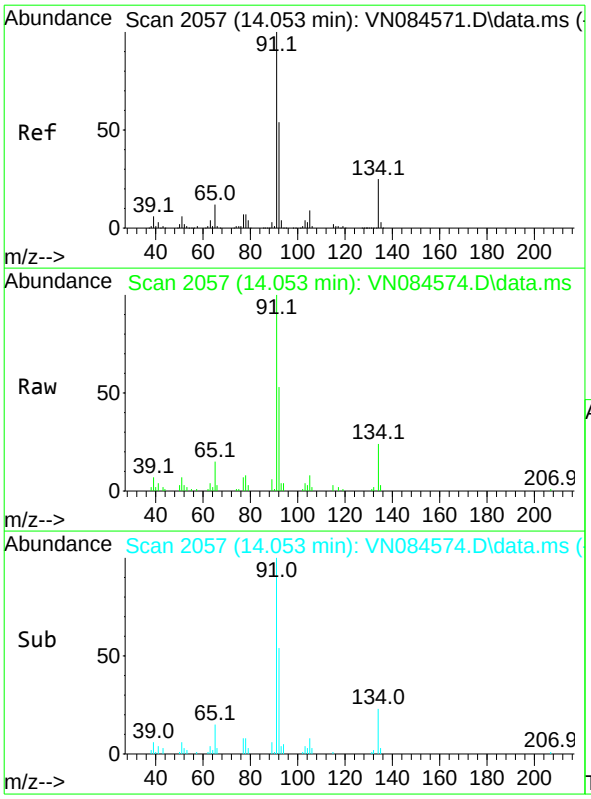


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22213

Ion	Ratio	Lower	Upper
146	100		
111	51.5	21.2	63.6
148	68.1	31.9	95.9

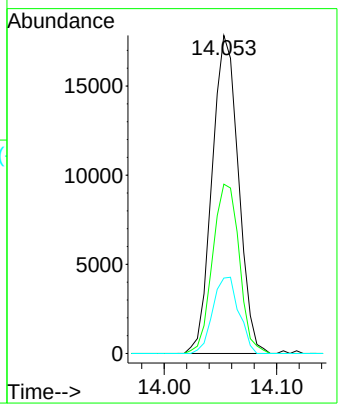




#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 29010

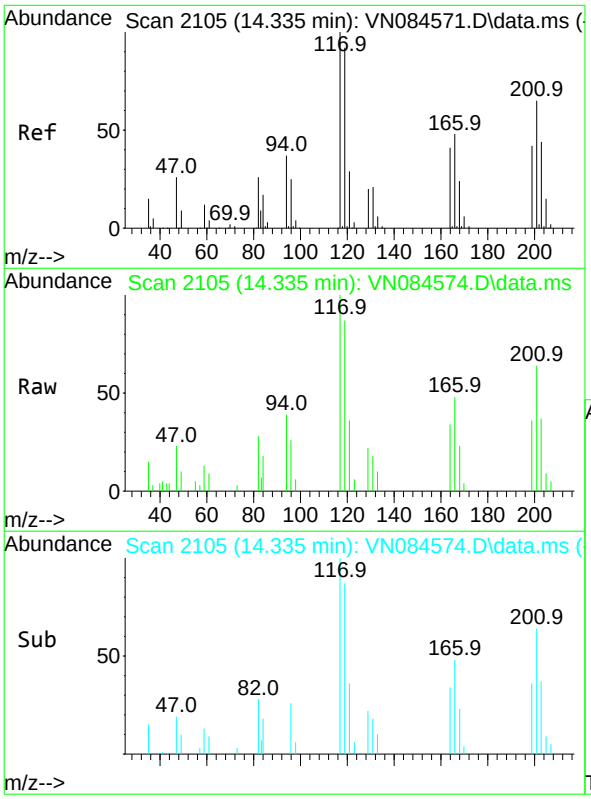
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.7
134	23.7	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

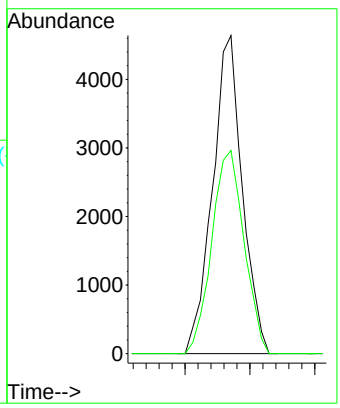
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

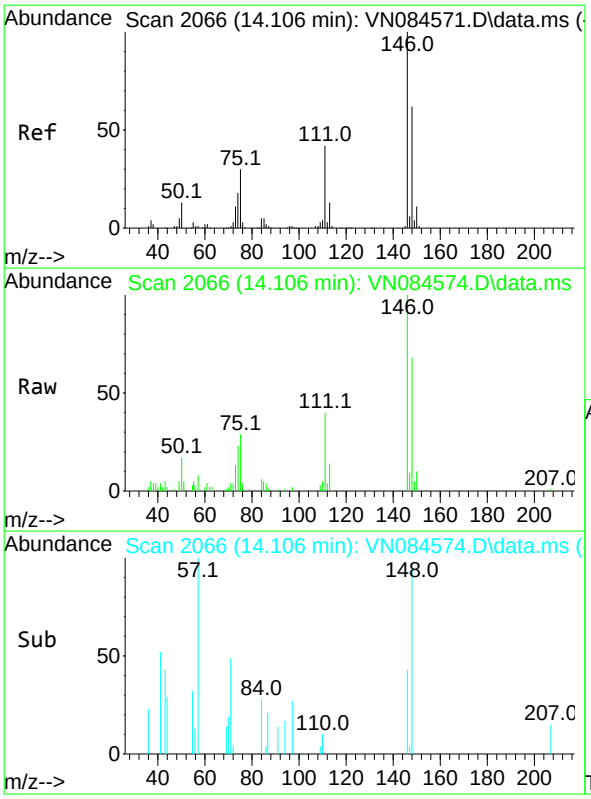


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2

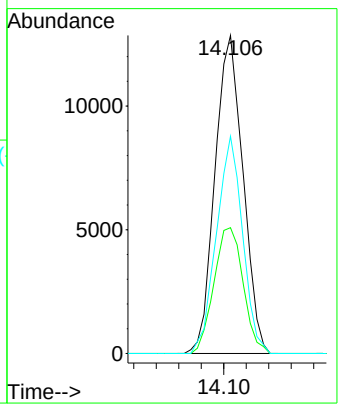




#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22221

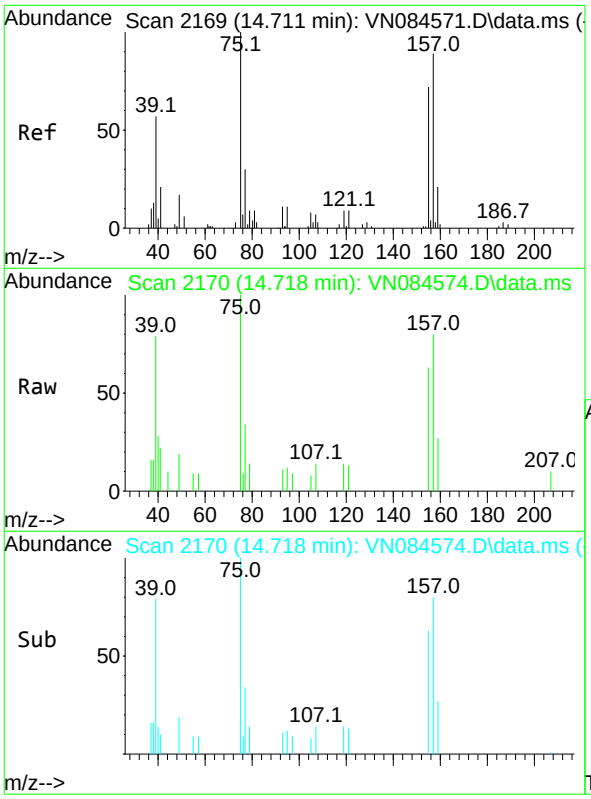
Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

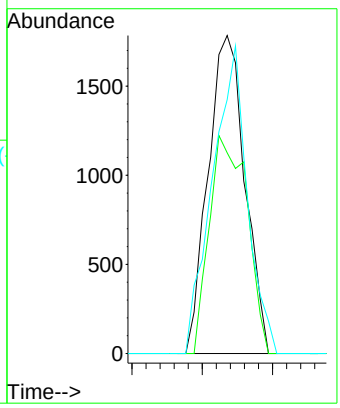
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

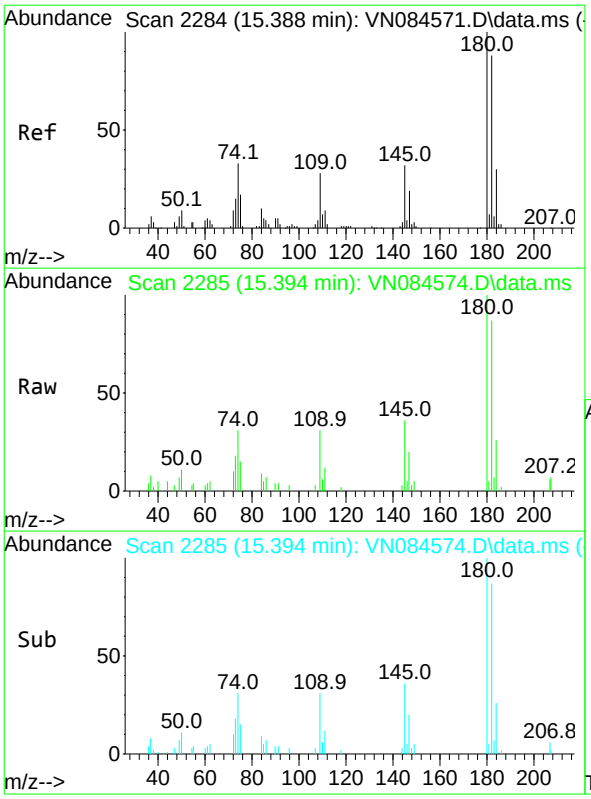


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
155	70.5	38.1	114.5
157	91.9	49.6	149.0

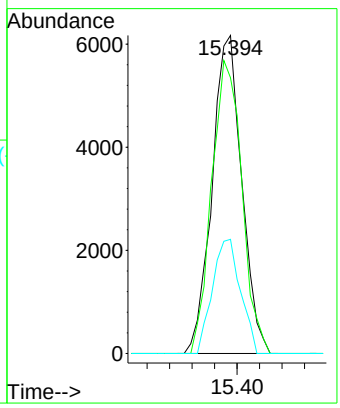




#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11298

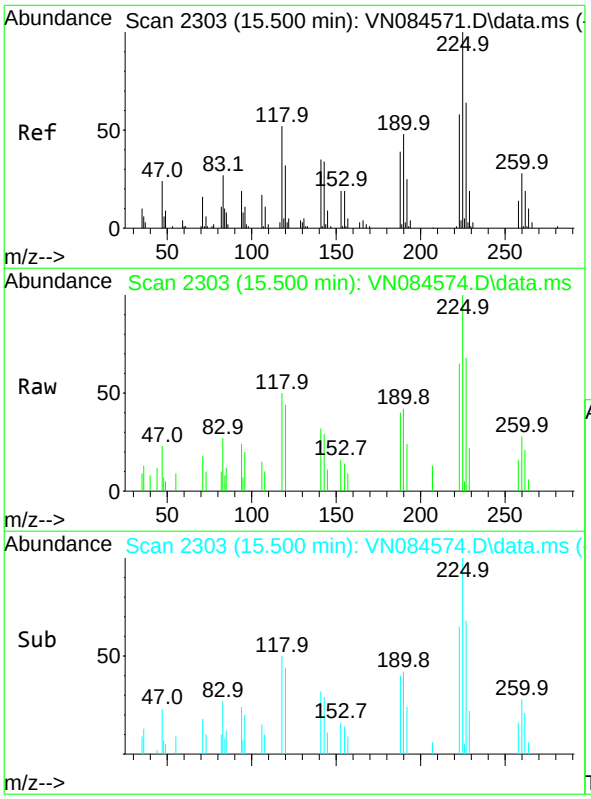
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

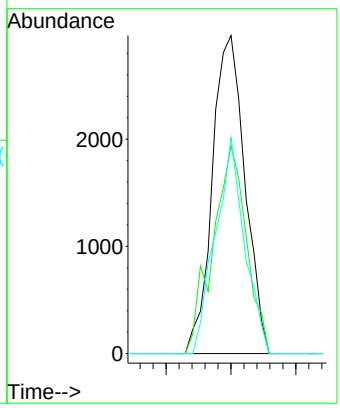
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

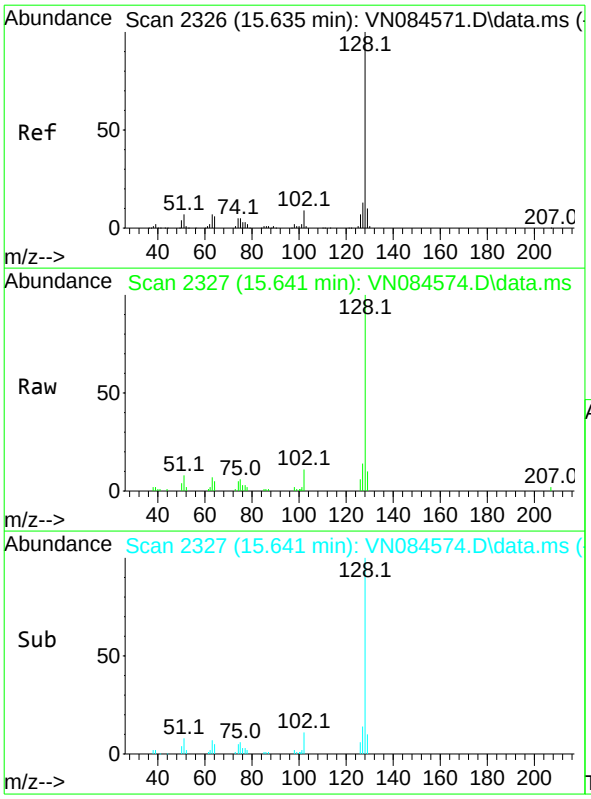


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:225 Resp: 5184

Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.4	97.2
227	60.8	32.4	97.0

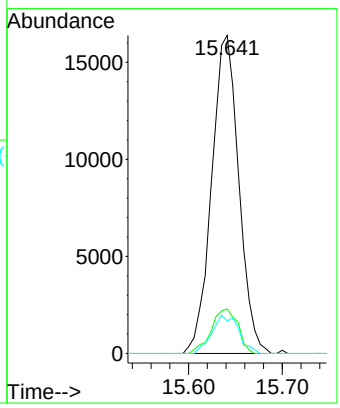




#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:128 Resp: 32966

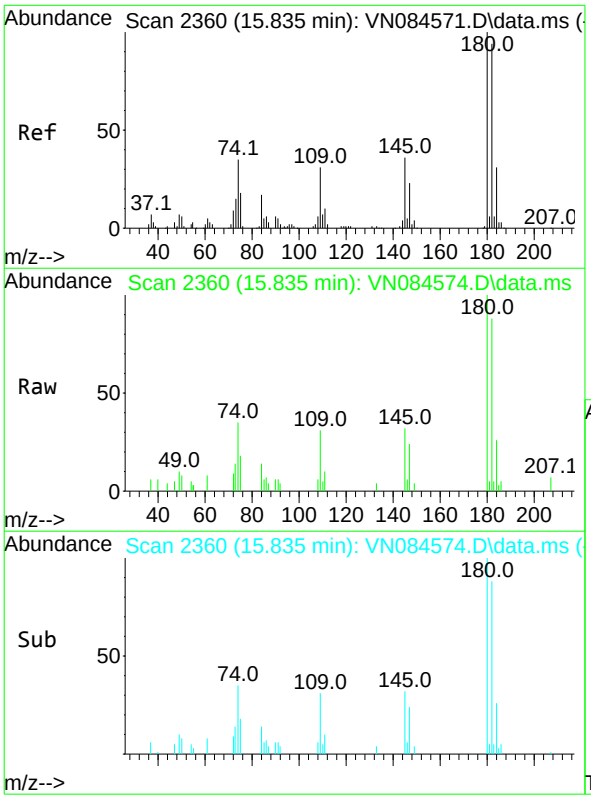
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

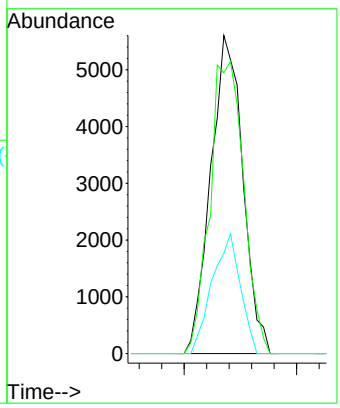
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 5.004 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11106

Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	33.0	17.3	51.9



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	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	2.124	85	1964	1.011	ug/l	100
3) Chloromethane	2.365	50	6046	1.880	ug/l #	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l	89
6) Chloroethane	3.083	64	2917	0.885	ug/l	98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l #	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l	90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l #	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l #	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l #	55
16) Acetone	4.430	43	5707m	5.302	ug/l	
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l #	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l #	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l	95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l #	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l #	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l	96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l #	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l #	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l #	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l #	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l #	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l	96
30) Chloroform	7.965	83	3463	0.914	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l #	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l	97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l #	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l #	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l	89
40) Benzene	8.600	78	9169	1.021	ug/l	94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l #	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l	81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l #	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l	74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991	ug/l		93
47) Bromodichloromethane	9.882	83	3156	1.008	ug/l	#	96
48) Methyl methacrylate	9.682	41	1652	0.837	ug/l	#	84
49) 1,4-Dioxane	9.700	88	576	16.468	ug/l	#	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234	ug/l		92
52) Toluene	10.629	92	4507	0.858	ug/l		89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952	ug/l	#	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931	ug/l	#	86
56) Ethyl methacrylate	10.876	69	2211	0.773	ug/l		94
57) 1,3-Dichloropropane	11.165	76	3139	0.925	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720	ug/l	#	87
59) 2-Hexanone	11.194	43	7617	4.328	ug/l		89
60) Dibromochloromethane	11.353	129	1857	0.824	ug/l		88
61) 1,2-Dibromoethane	11.465	107	2001	0.988	ug/l		89
64) Tetrachloroethene	11.100	164	1629	0.976	ug/l	#	69
65) Chlorobenzene	11.894	112	5753	1.025	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025	ug/l	#	61
67) Ethyl Benzene	11.965	91	8520	0.909	ug/l		98
68) m/p-Xylenes	12.070	106	6568	1.851	ug/l		96
69) o-Xylene	12.400	106	2759	0.831	ug/l		99
70) Styrene	12.406	104	5269	0.910	ug/l		95
71) Bromoform	12.582	173	1434	0.976	ug/l	#	95
73) Isopropylbenzene	12.694	105	6985	0.910	ug/l		99
74) N-amyl acetate	12.488	43	2680	0.820	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045	ug/l	#	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263	ug/l		
77) Bromobenzene	12.982	156	2440	1.182	ug/l		95
78) n-propylbenzene	13.035	91	7935	0.882	ug/l		95
79) 2-Chlorotoluene	13.123	91	5699	0.969	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833	ug/l		98
82) 4-Chlorotoluene	13.223	91	6682	1.080	ug/l		96
83) tert-Butylbenzene	13.435	119	4148	0.788	ug/l		89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860	ug/l		98
85) sec-Butylbenzene	13.617	105	6490	0.872	ug/l		93
86) p-Isopropyltoluene	13.729	119	4859	0.796	ug/l		94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232	ug/l		95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801	ug/l		
89) n-Butylbenzene	14.059	91	6020	1.055	ug/l		95
90) Hexachloroethane	14.329	117	1493	1.097	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144	ug/l		91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146	ug/l		83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399	ug/l		98
94) Hexachlorobutadiene	15.506	225	1208	1.298	ug/l		88
95) Naphthalene	15.635	128	7352	1.159	ug/l		96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267	ug/l		91

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

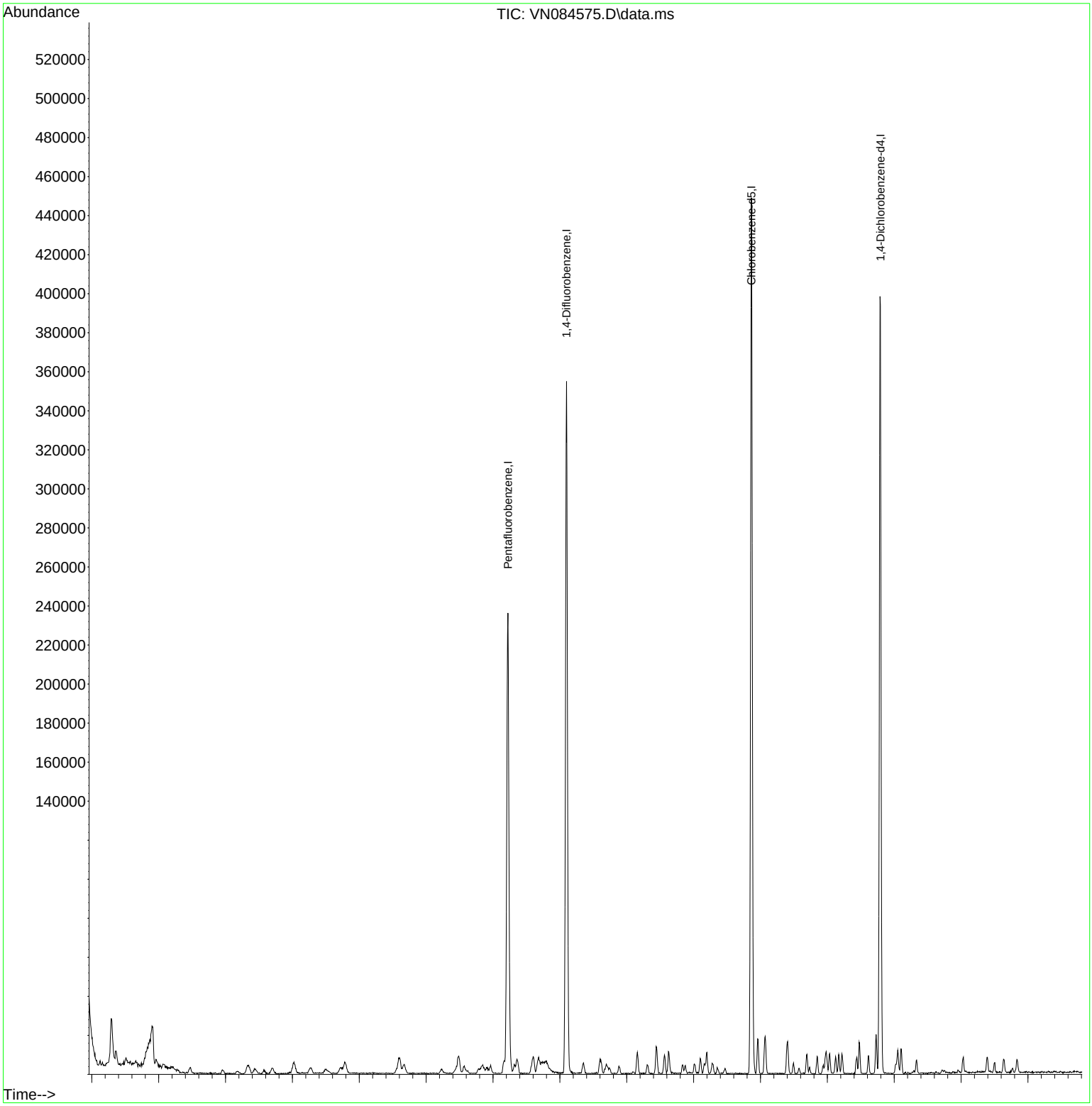
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

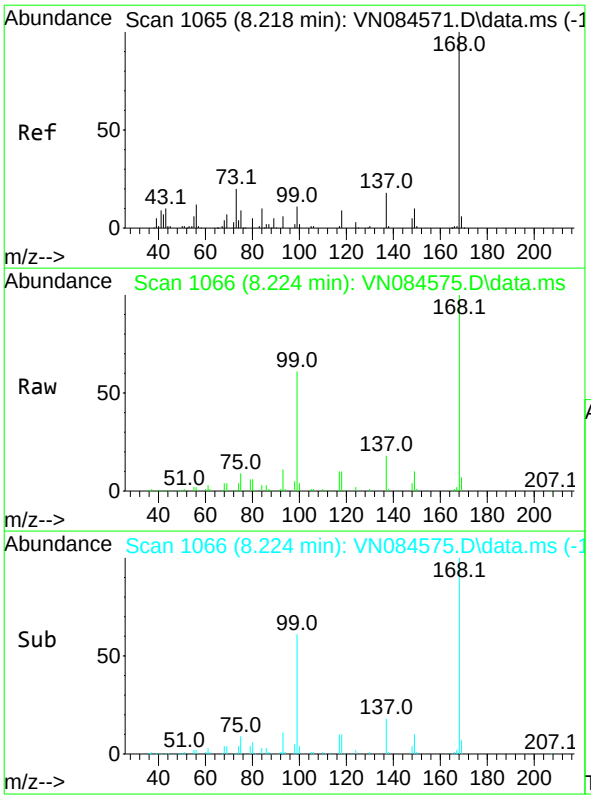
Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

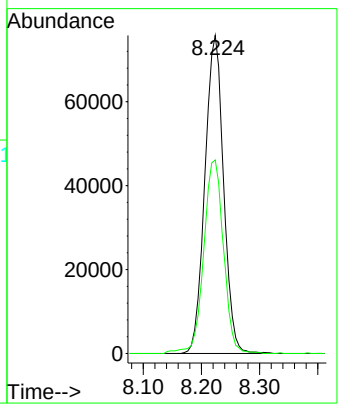




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:168 Resp: 168991

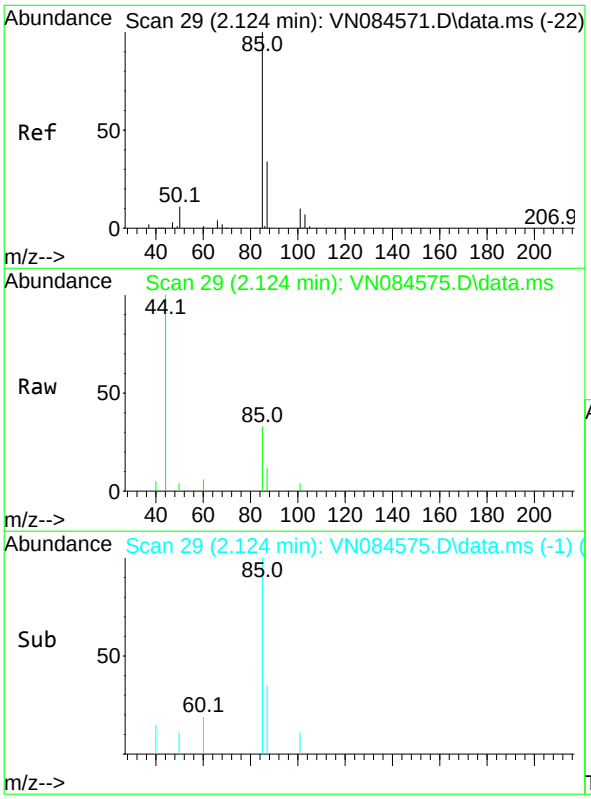
Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

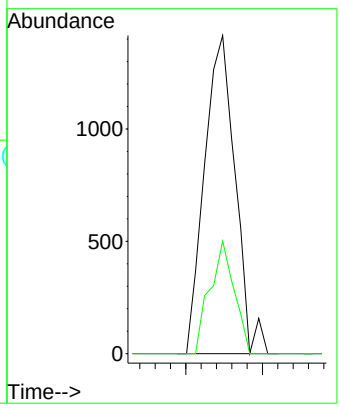
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

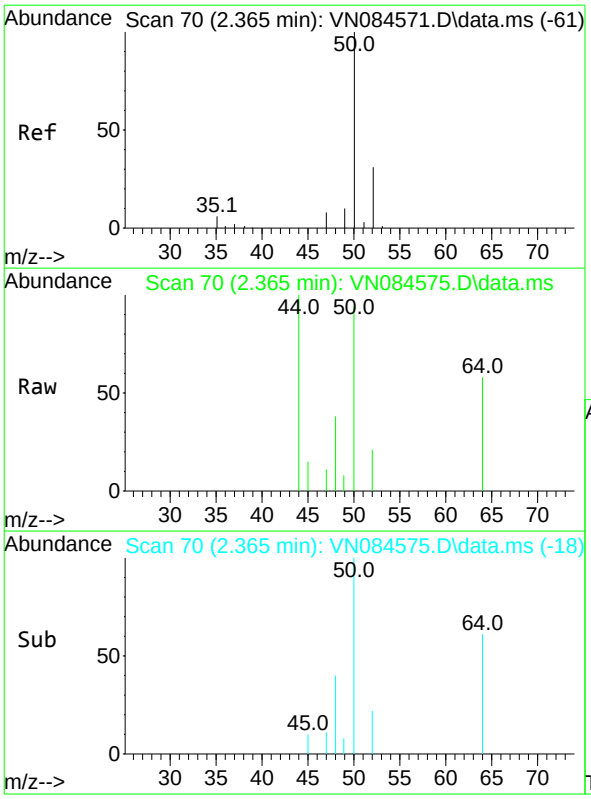


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9

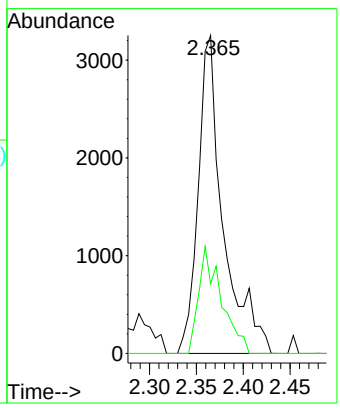




#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 50 Resp: 6046

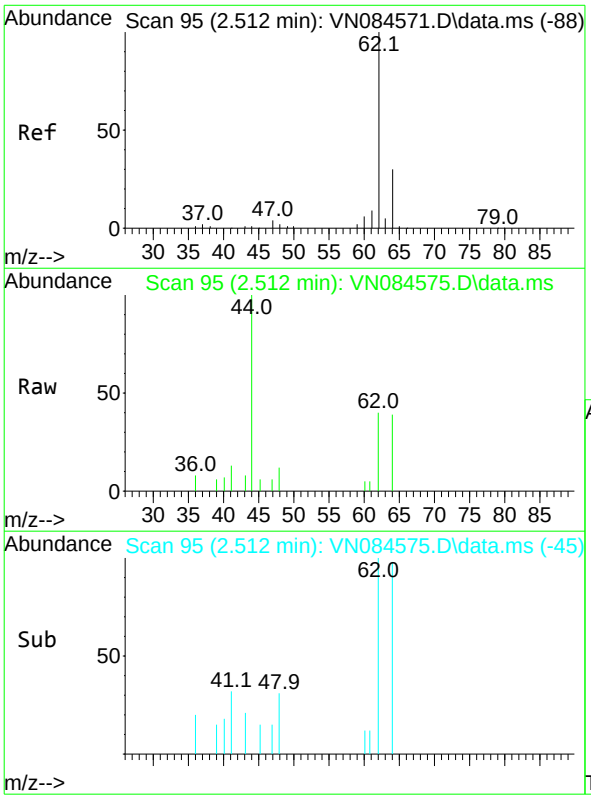
Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

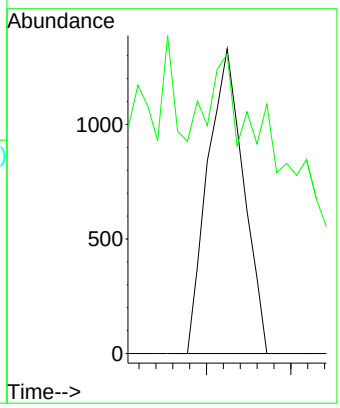
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

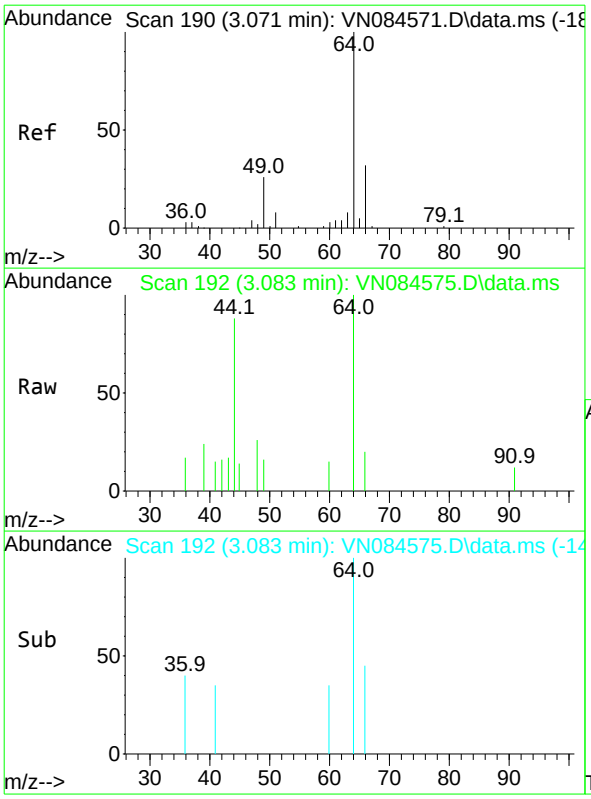


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4

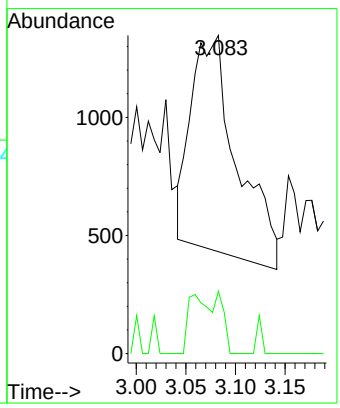




#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 19
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

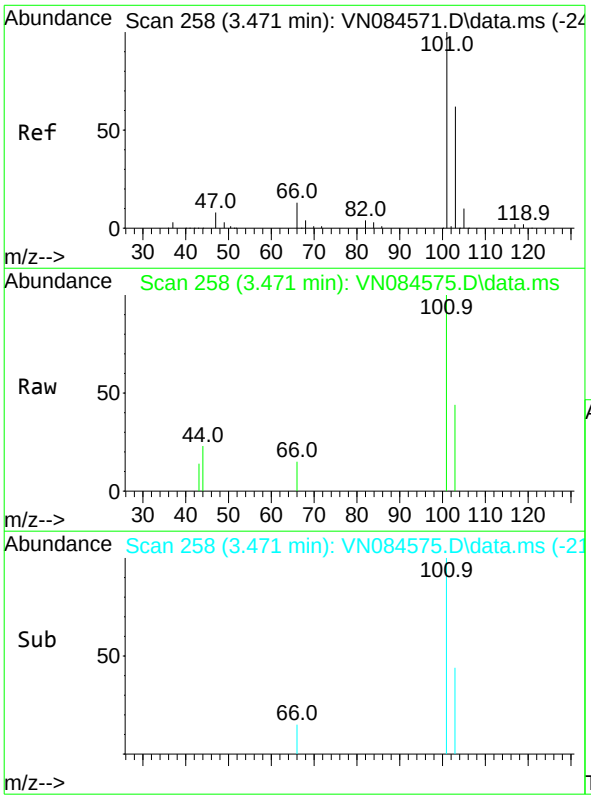
Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

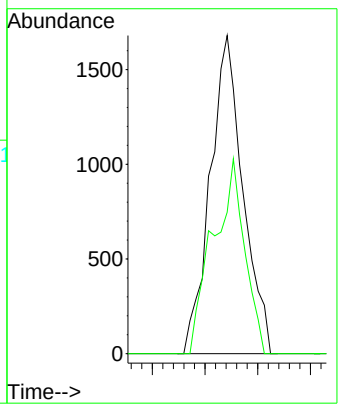
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

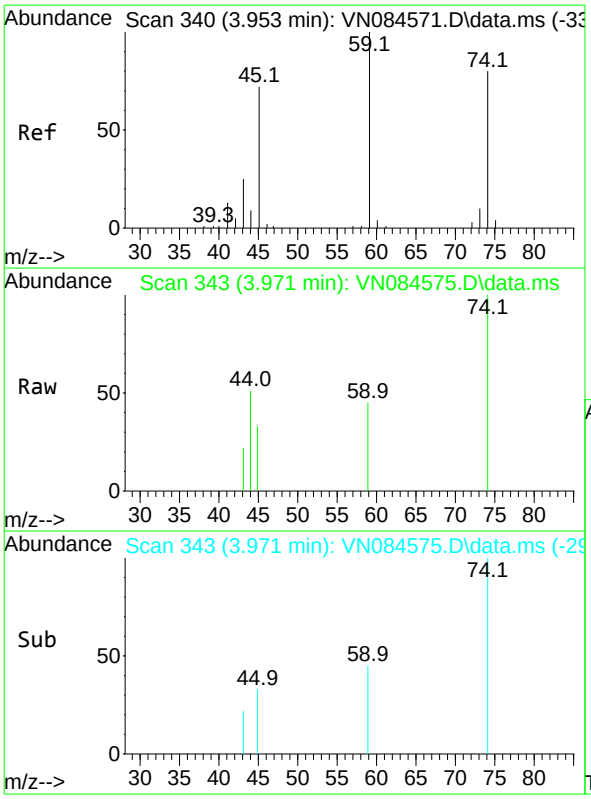


#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 258
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#





#8
Diethyl Ether
Concen: 0.996 ug/l m
RT: 3.971 min Scan# 34
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

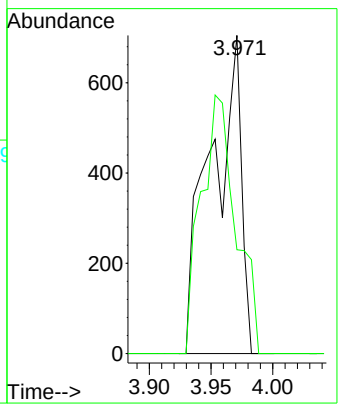
Tgt Ion: 74 Resp: 1209

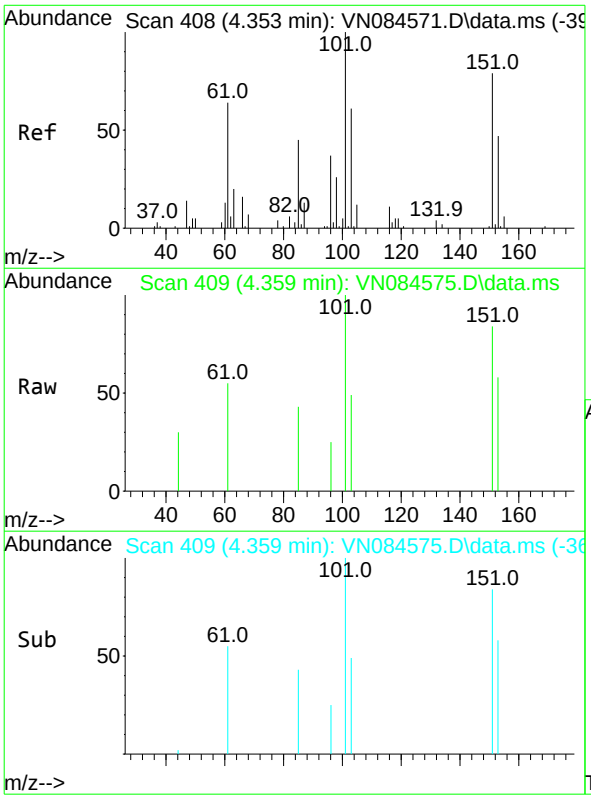
Ion	Ratio	Lower	Upper
74	100		
45	92.5	47.7	143.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

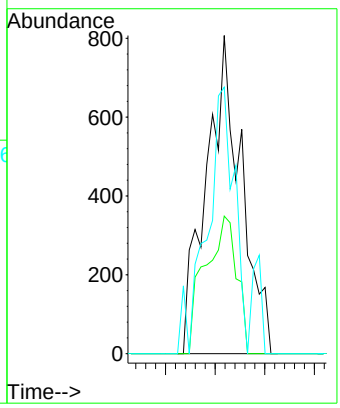


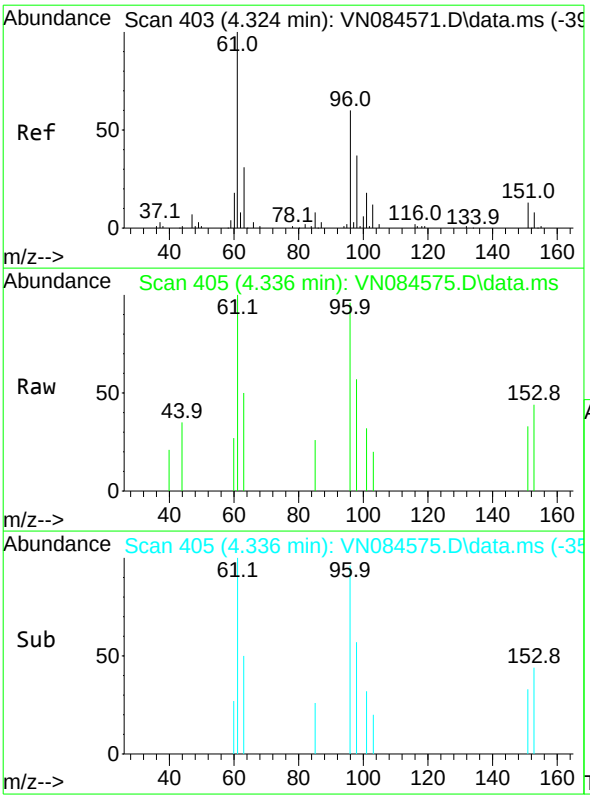


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:101 Resp: 1982

Ion	Ratio	Lower	Upper
101	100		
85	39.1	36.2	54.4
151	65.9	59.3	88.9

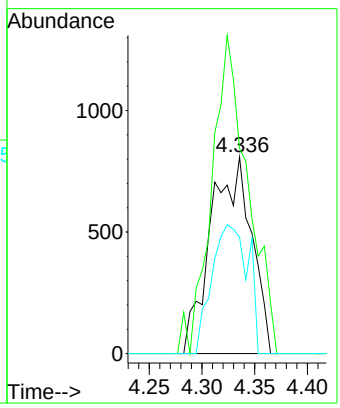




#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 40
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2177

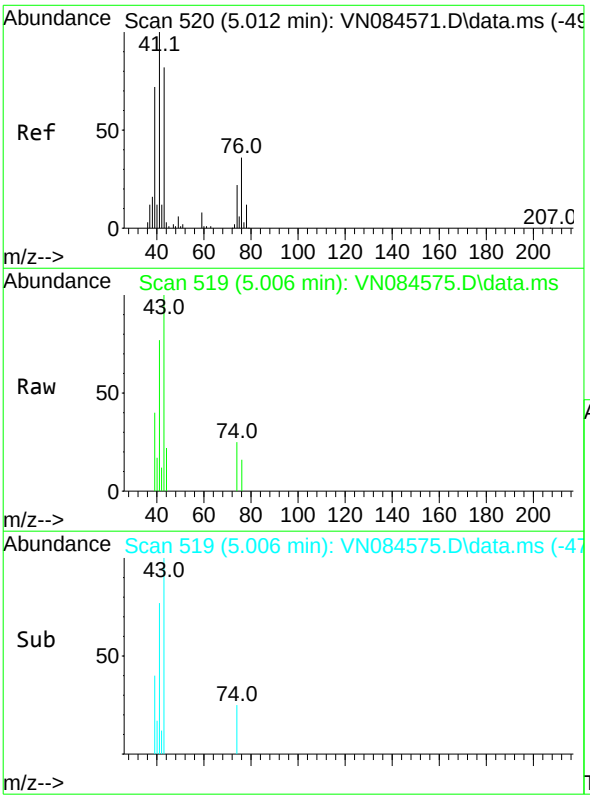
Ion	Ratio	Lower	Upper
96	100		
61	104.3	128.6	192.8#
98	59.2	51.7	77.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

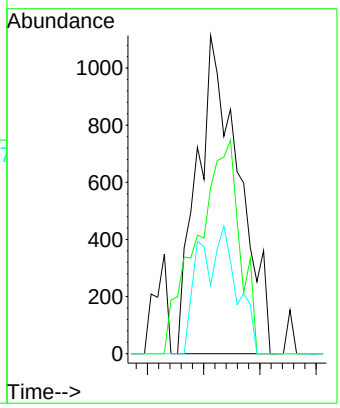
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

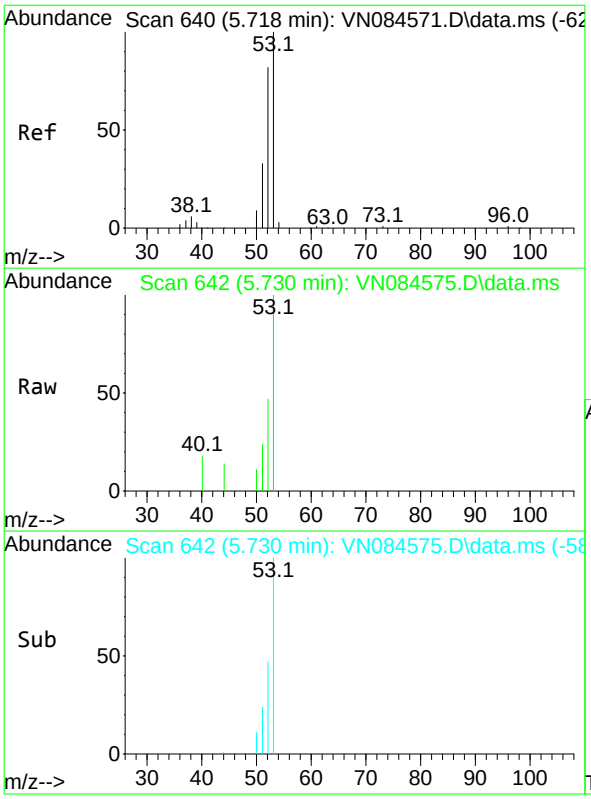


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 2869

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.0	88.6#
76	14.8	29.8	44.6#

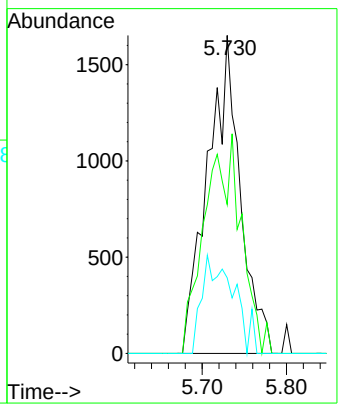




#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 53 Resp: 4443

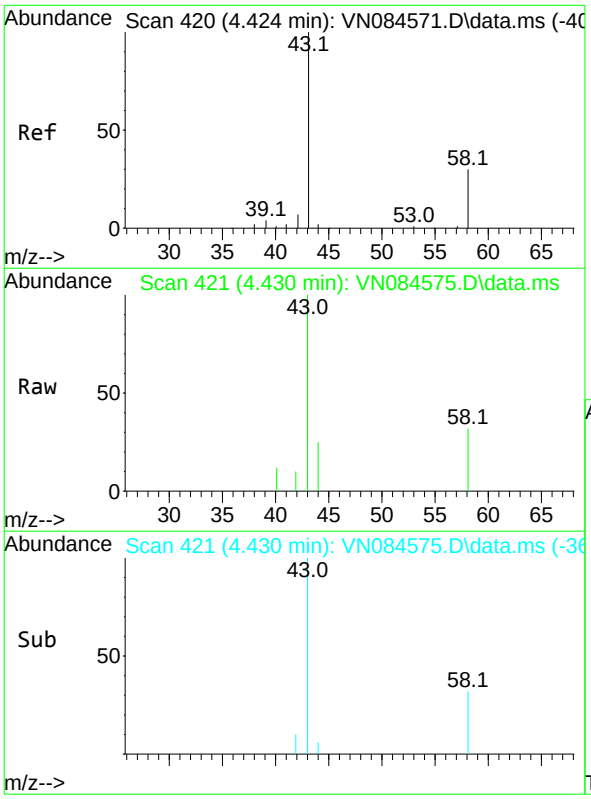
Ion	Ratio	Lower	Upper
53	100		
52	48.3	66.2	99.4#
51	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

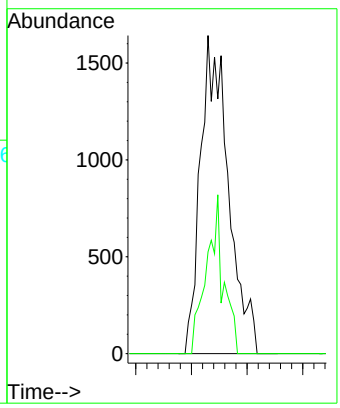
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

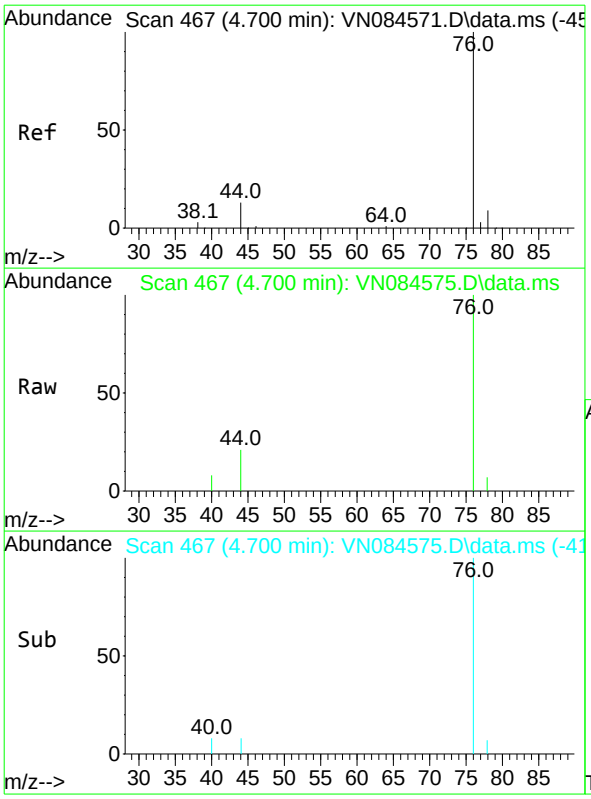


#16
Acetone
Concen: 5.302 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 5707

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6





#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

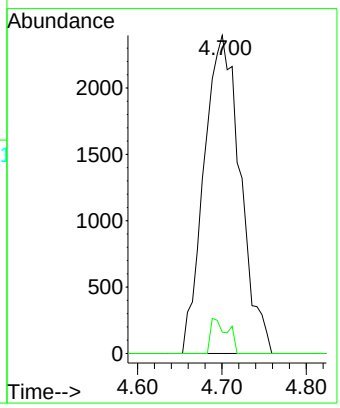
Tgt Ion: 76 Resp: 7155

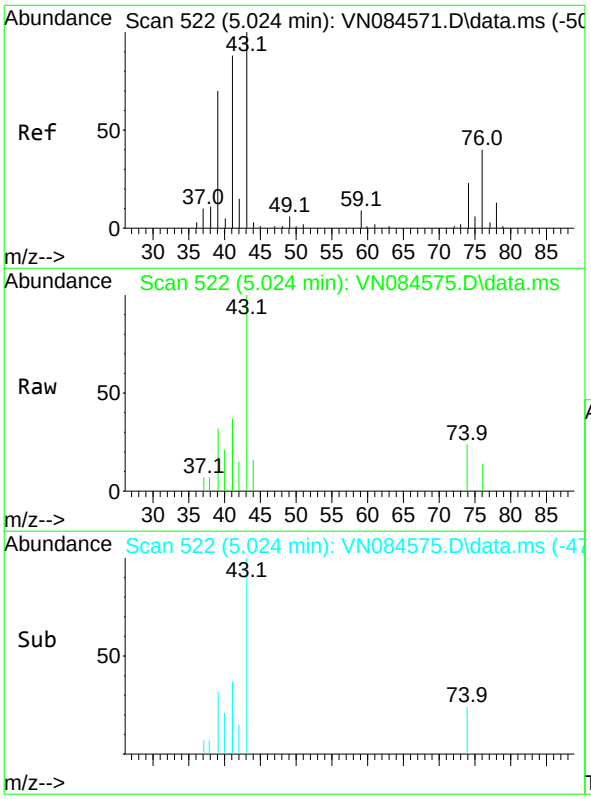
Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

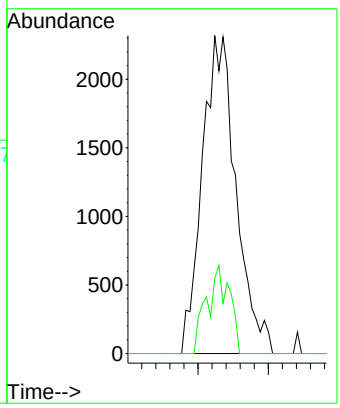


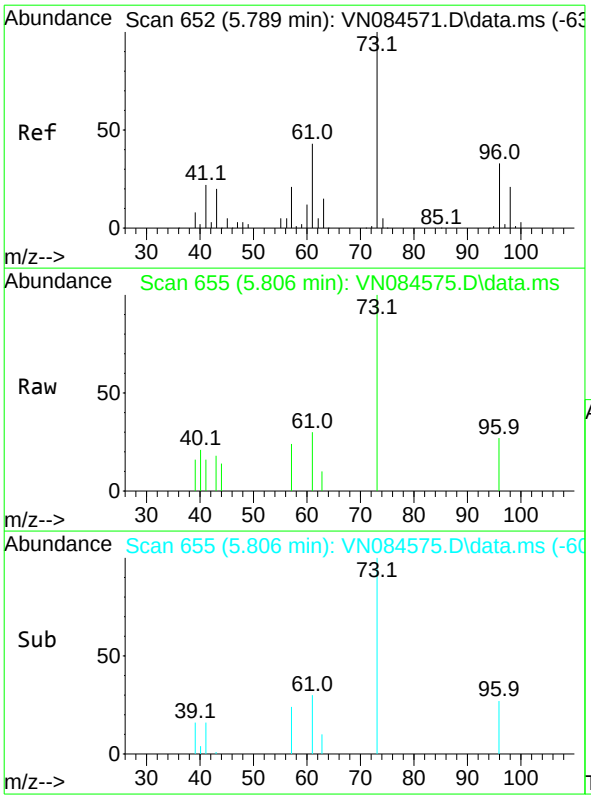


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#

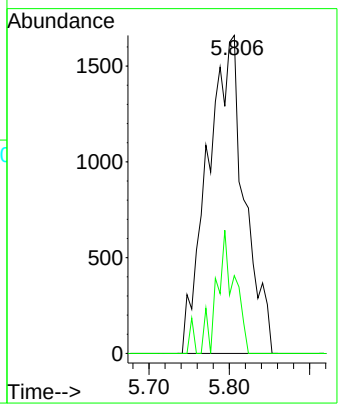




#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 73 Resp: 5314

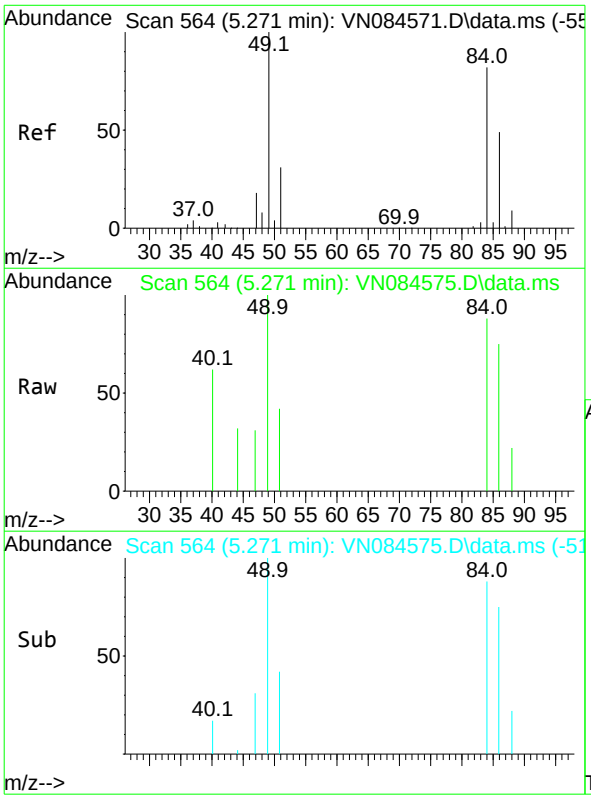
Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

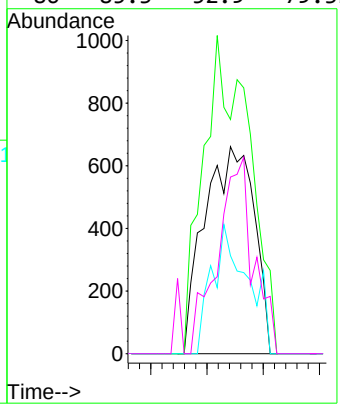
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

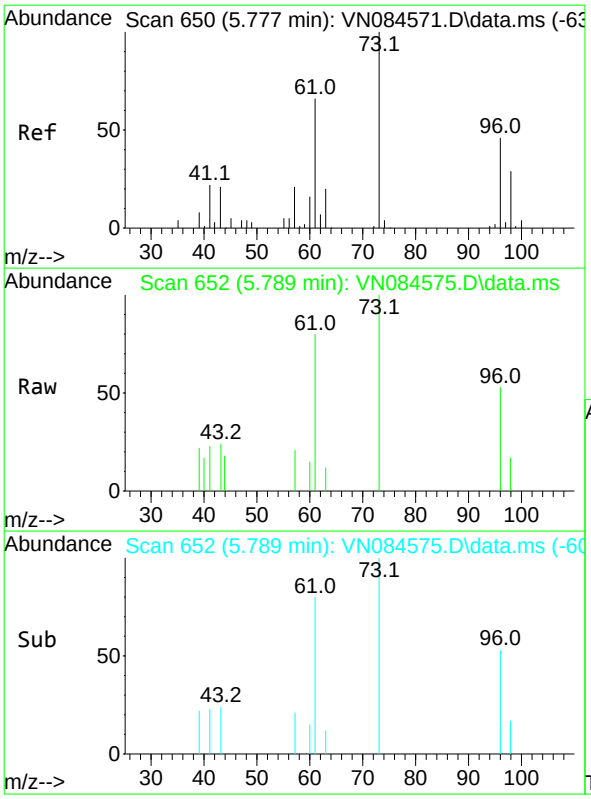


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 84 Resp: 2029

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	47.4	31.8	47.8
86	85.3	52.9	79.3#

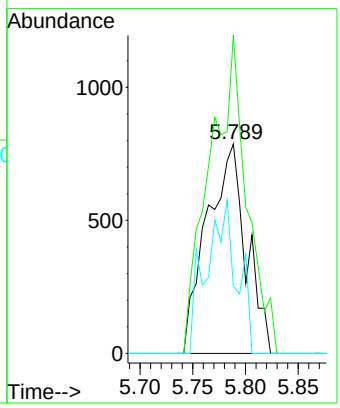




#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2030

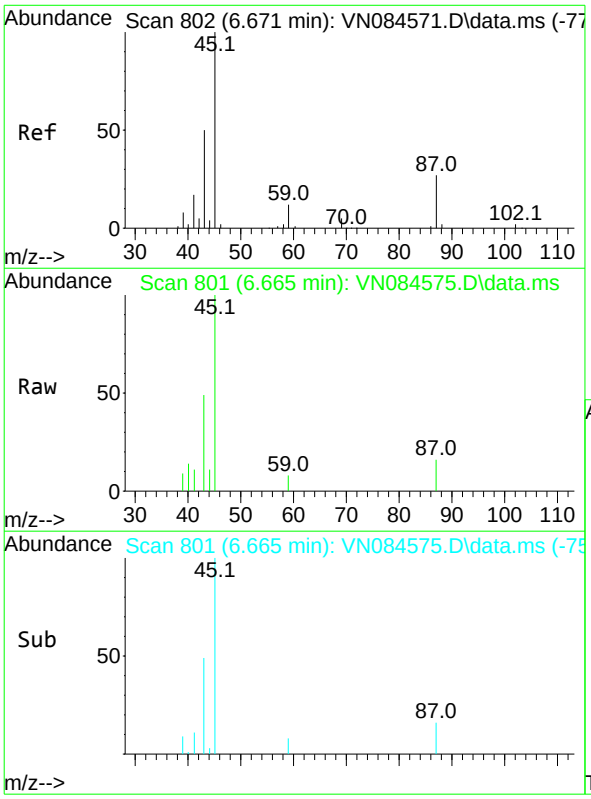
Ion	Ratio	Lower	Upper
96	100		
61	151.8	108.4	162.6
98	32.3	49.8	74.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

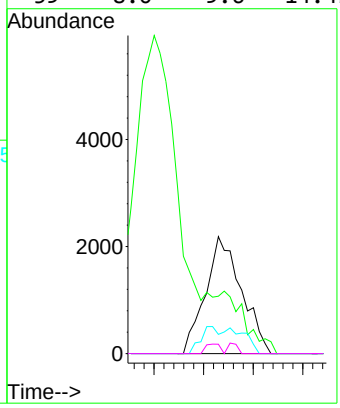
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

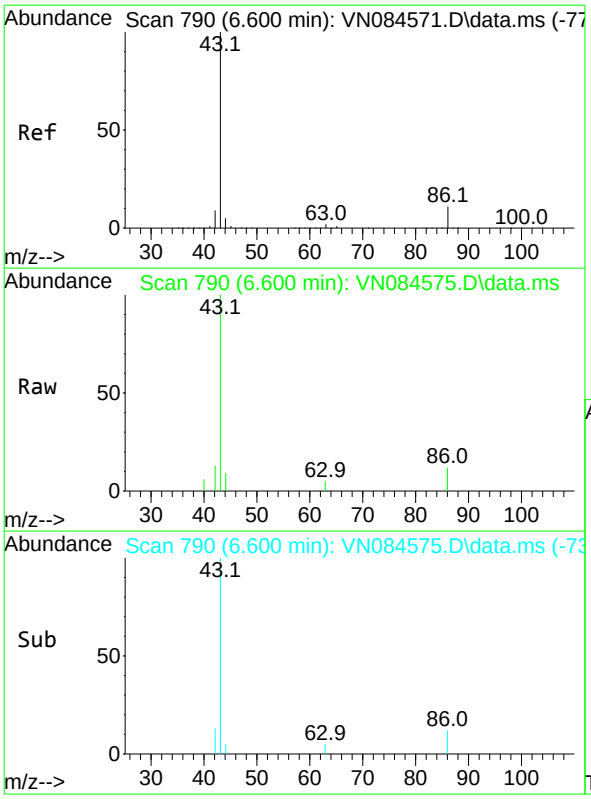


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 45 Resp: 5485

Ion	Ratio	Lower	Upper
45	100		
43	49.1	42.3	63.5
87	16.4	21.8	32.6#
59	8.0	9.6	14.4#

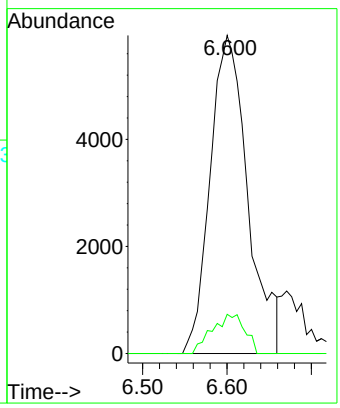




#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 18413

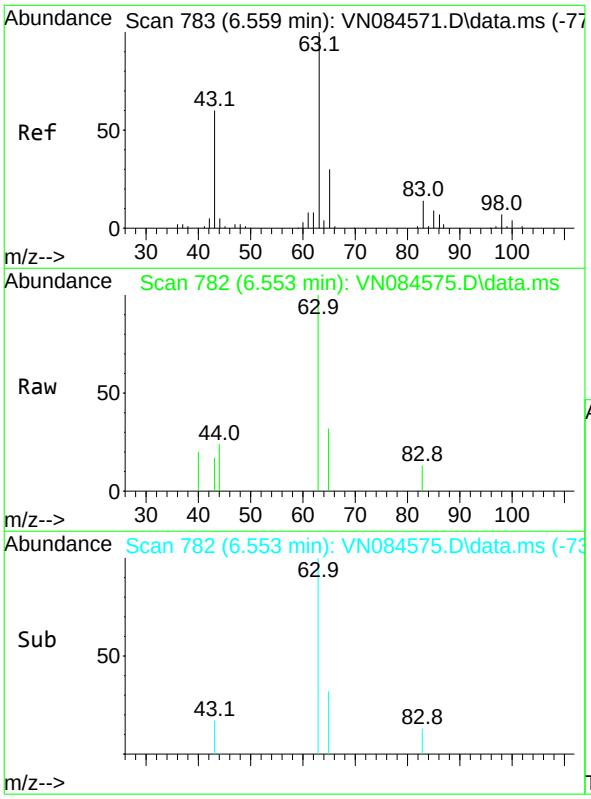
Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

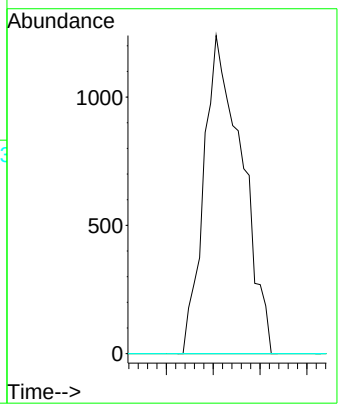
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

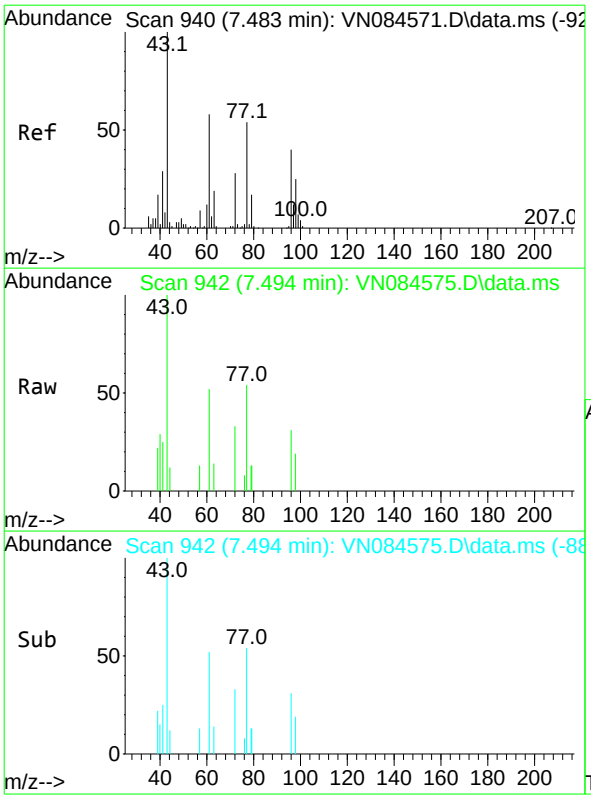


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 3491

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#

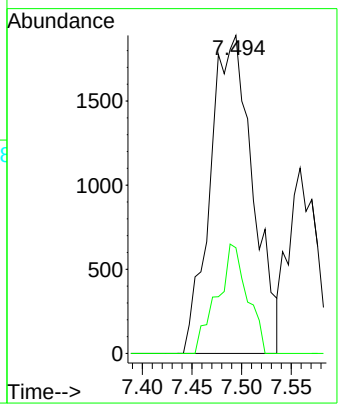




#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 5644

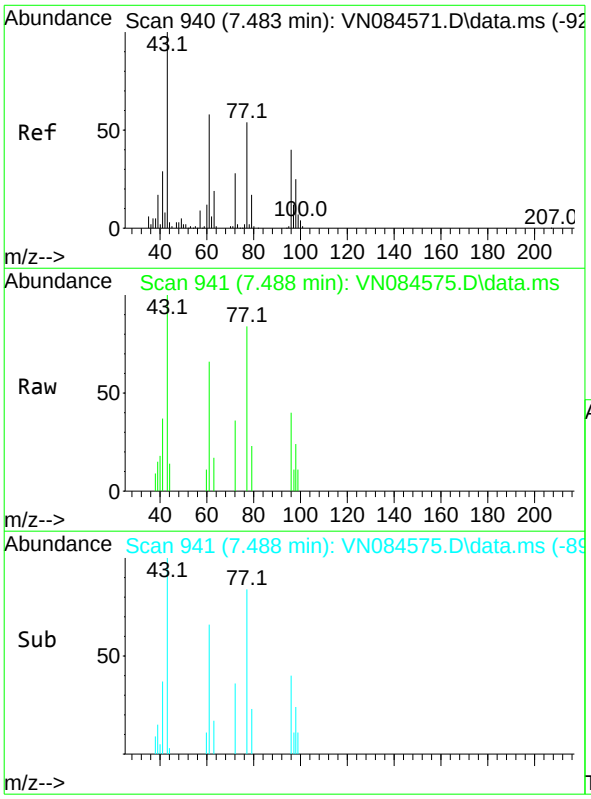
Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

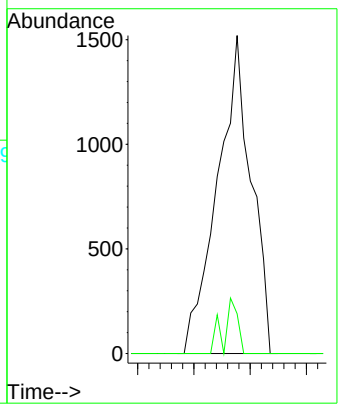
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

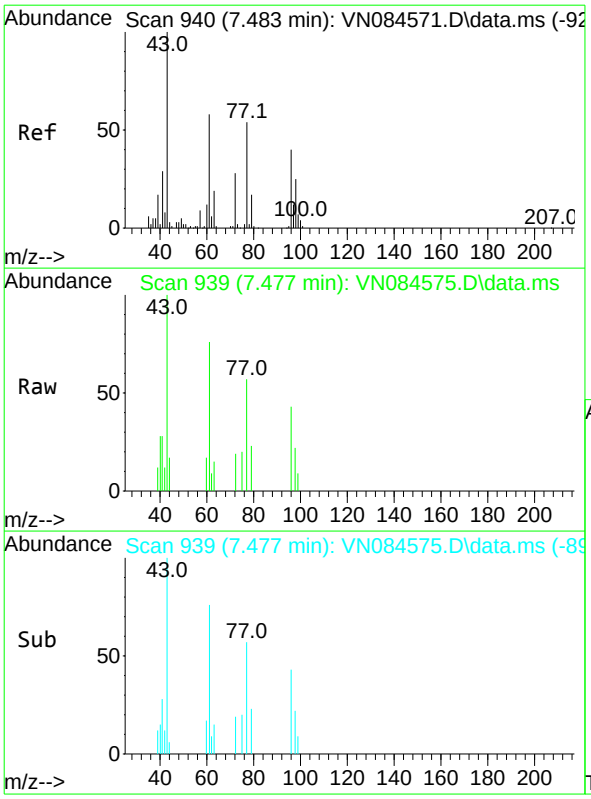


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#

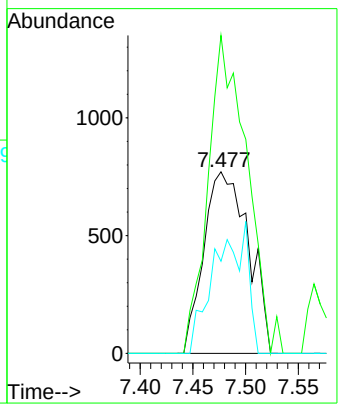




#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2275

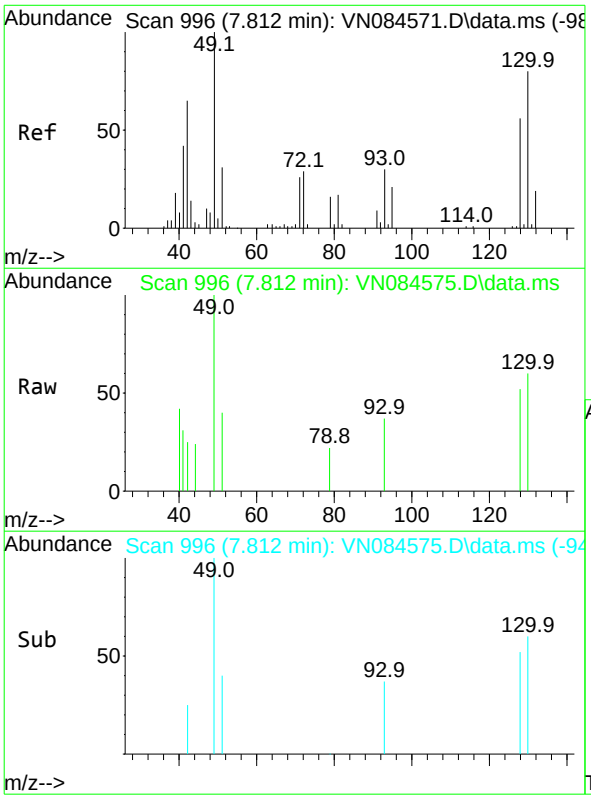
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	301.8
98	0.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

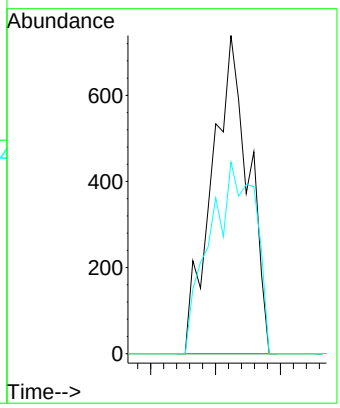
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

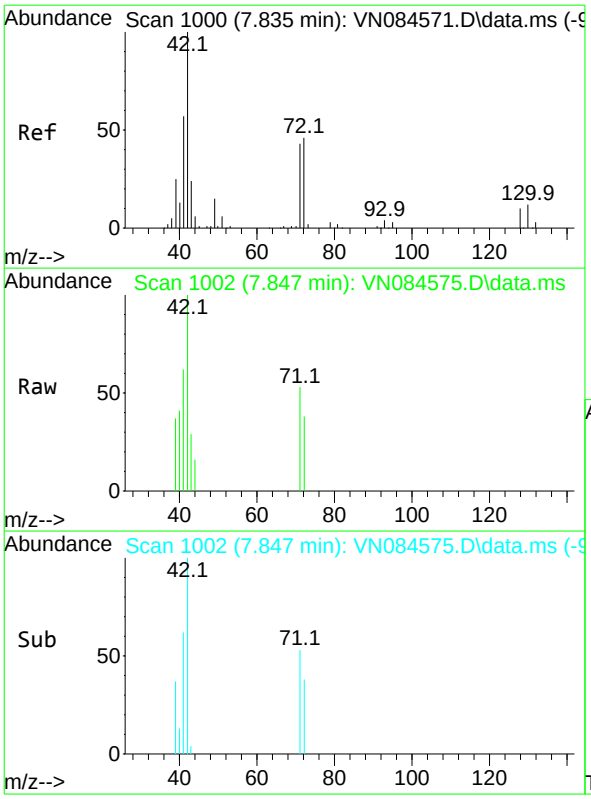


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 49 Resp: 1450

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.9	58.0	87.0

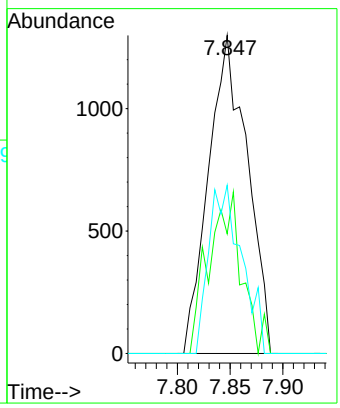




#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 42 Resp: 3321

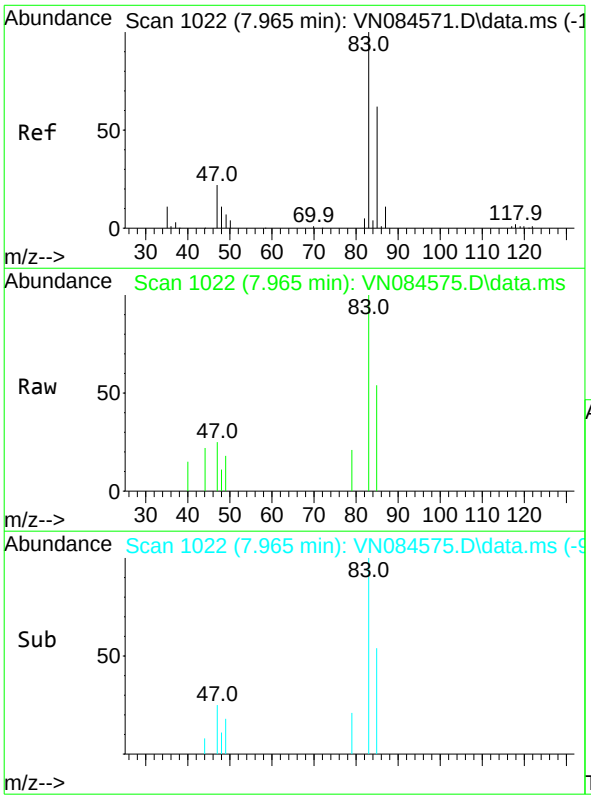
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	45.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

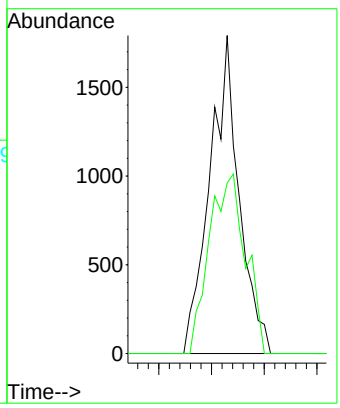
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

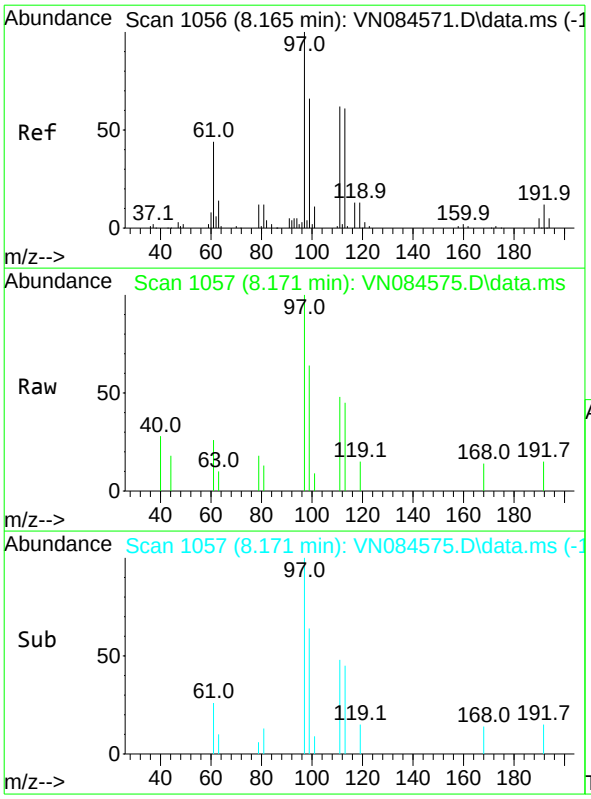


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4

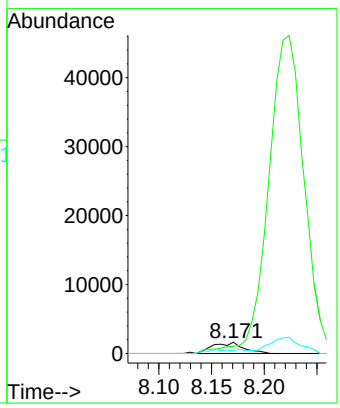




#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 3312

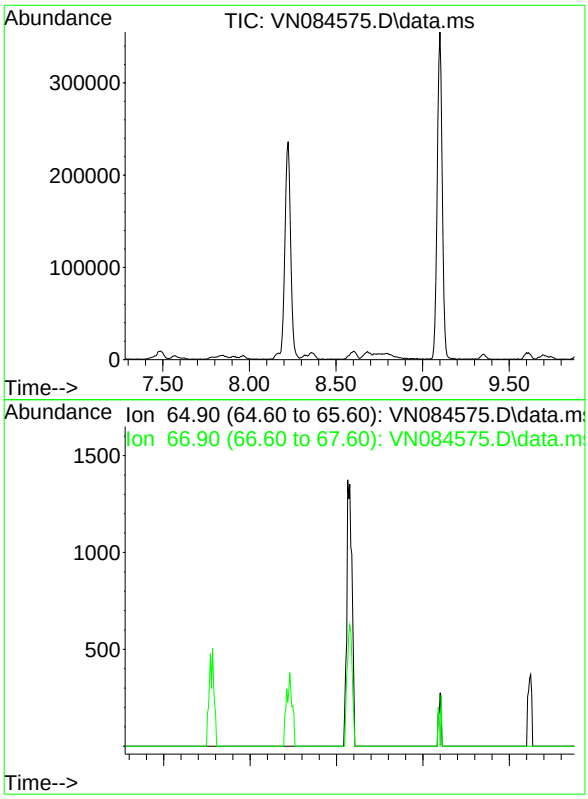
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	17.9	37.5	56.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

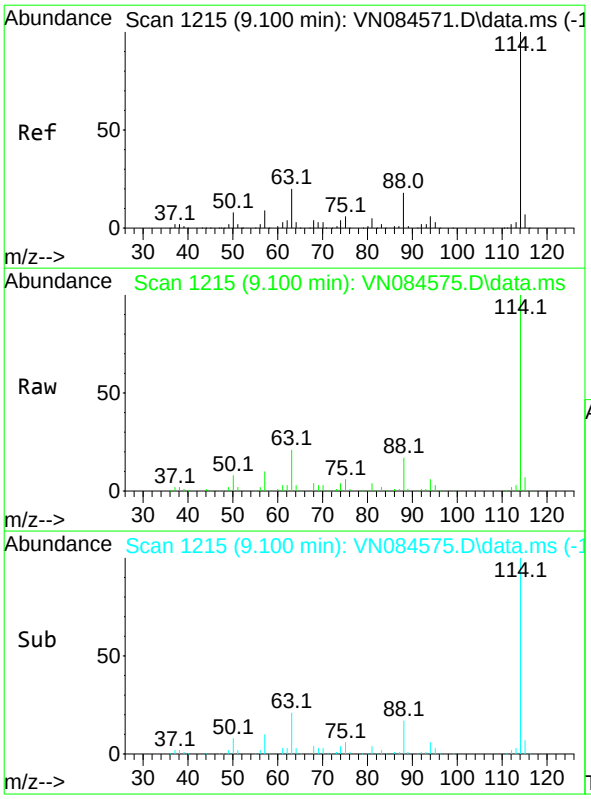


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 65

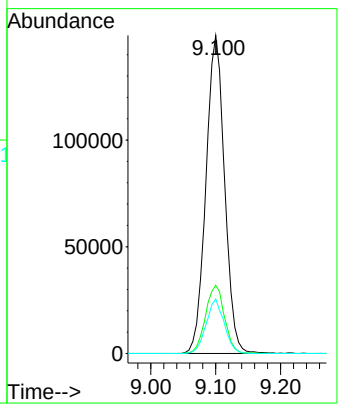
Sig	Exp Ratio
65	100
67	51.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:114 Resp: 297772

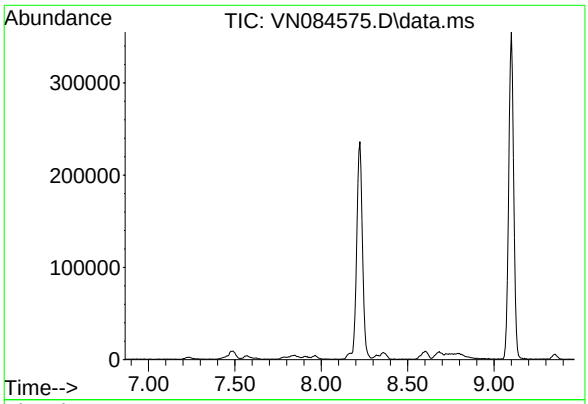
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.1	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

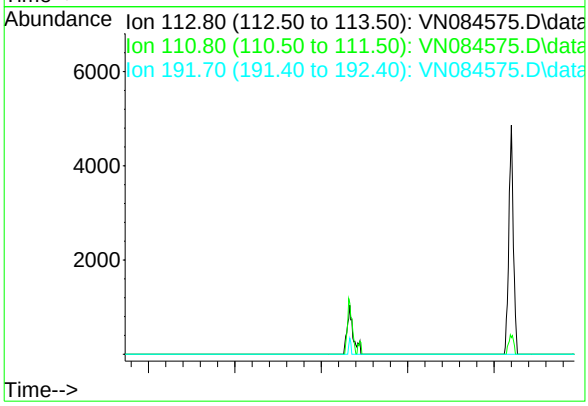


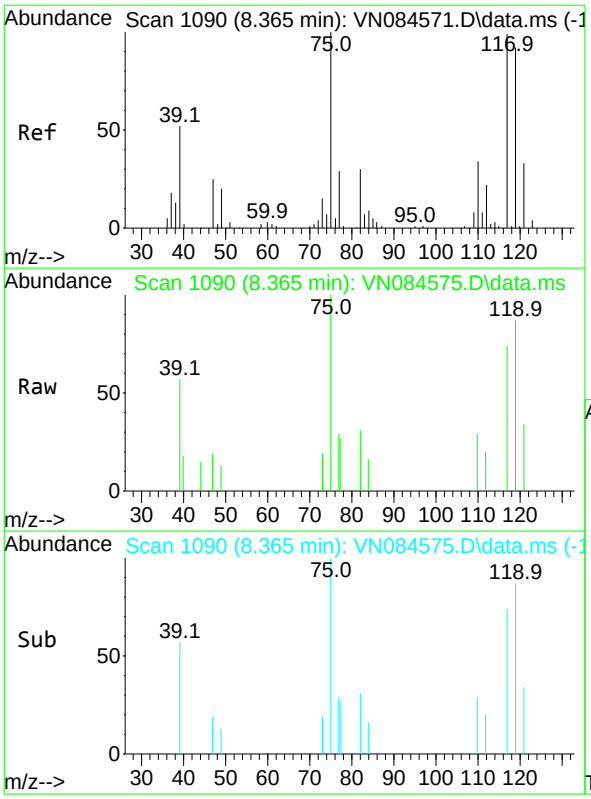
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	104.1
192	16.9

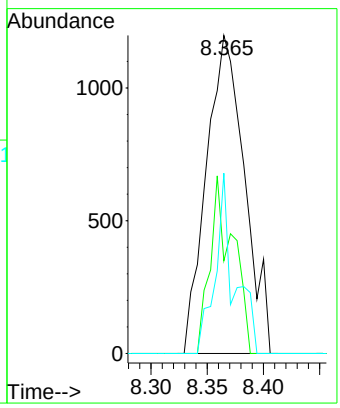




#36
1,1-Dichloropropene
Concen: 1.011 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2825

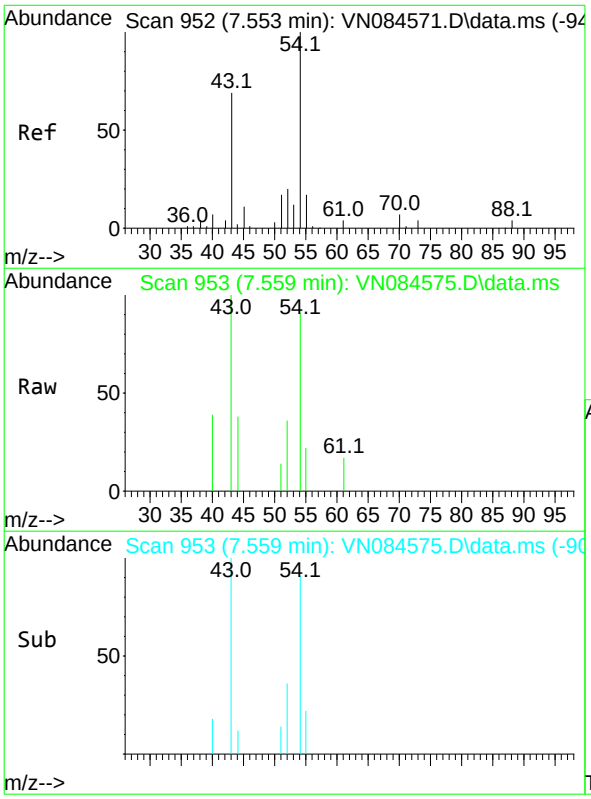
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	28.1	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

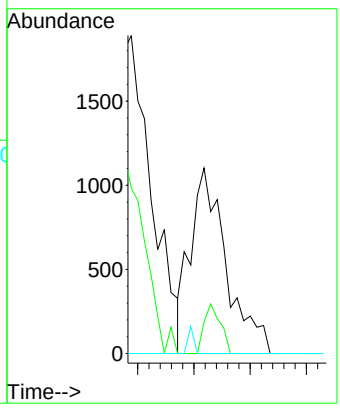
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

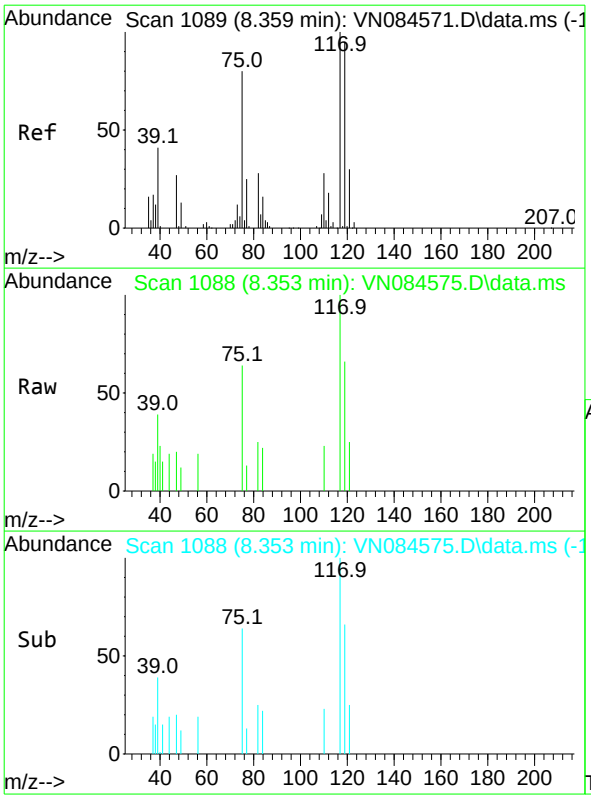


#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2440

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	2.3	8.8	13.2#

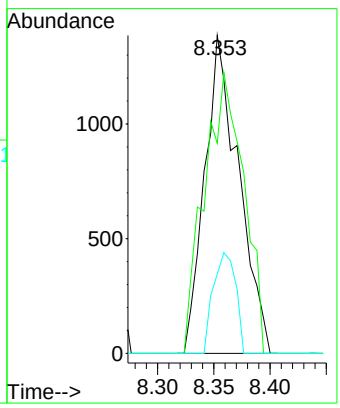




#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 2904

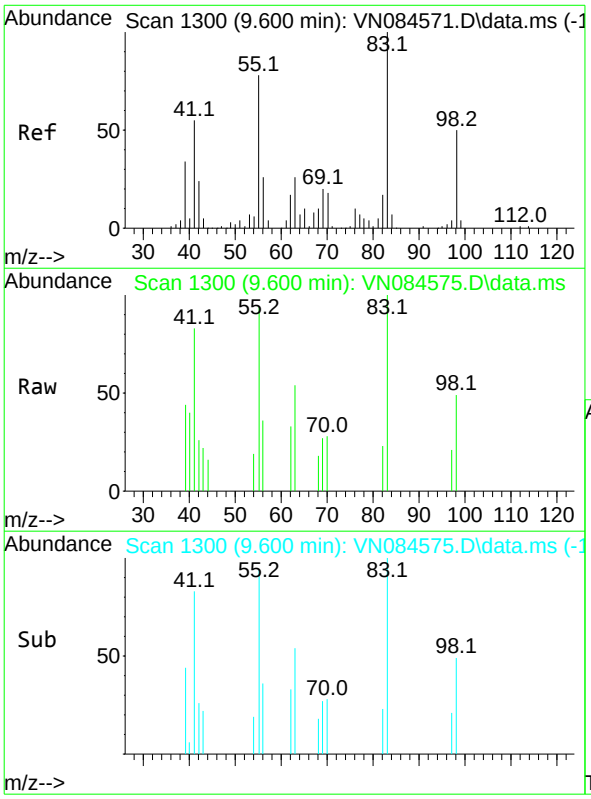
Ion	Ratio	Lower	Upper
117	100		
119	66.1	78.7	118.1#
121	24.9	24.4	36.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

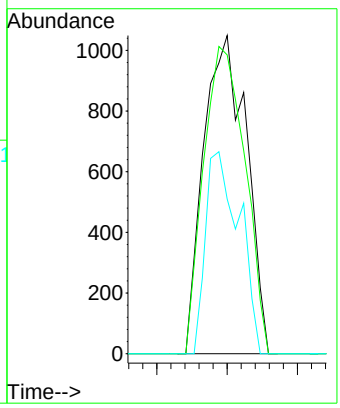
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

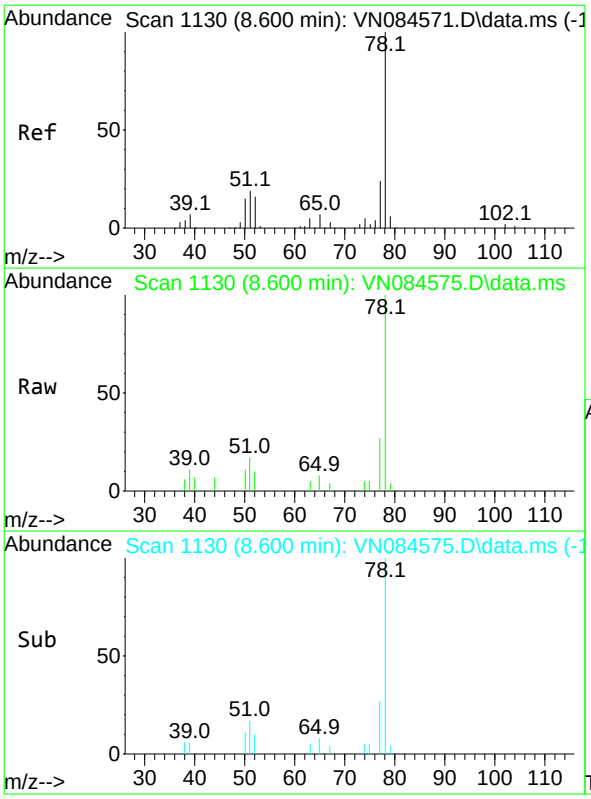


#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 2212

Ion	Ratio	Lower	Upper
83	100		
55	93.9	62.8	94.2
98	48.6	38.8	58.2

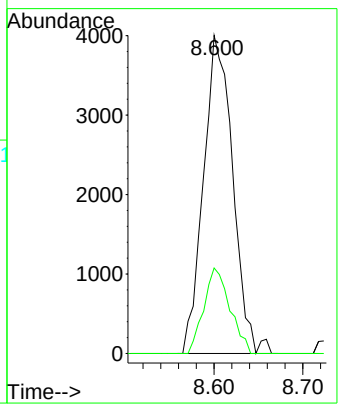




#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

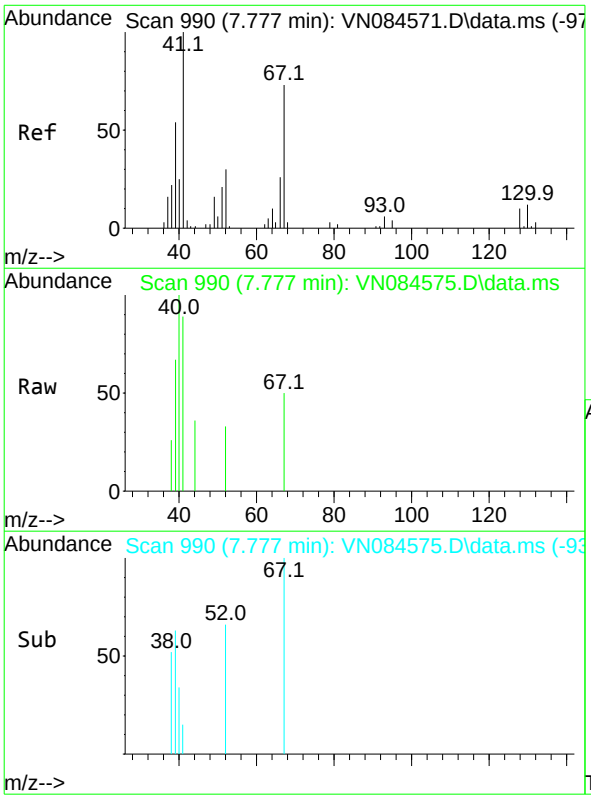
Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

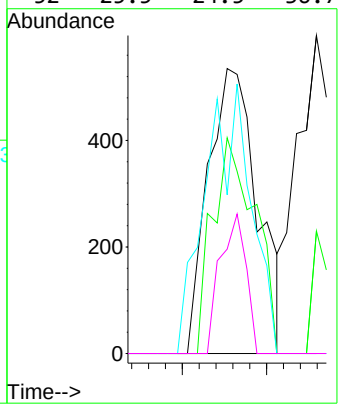
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

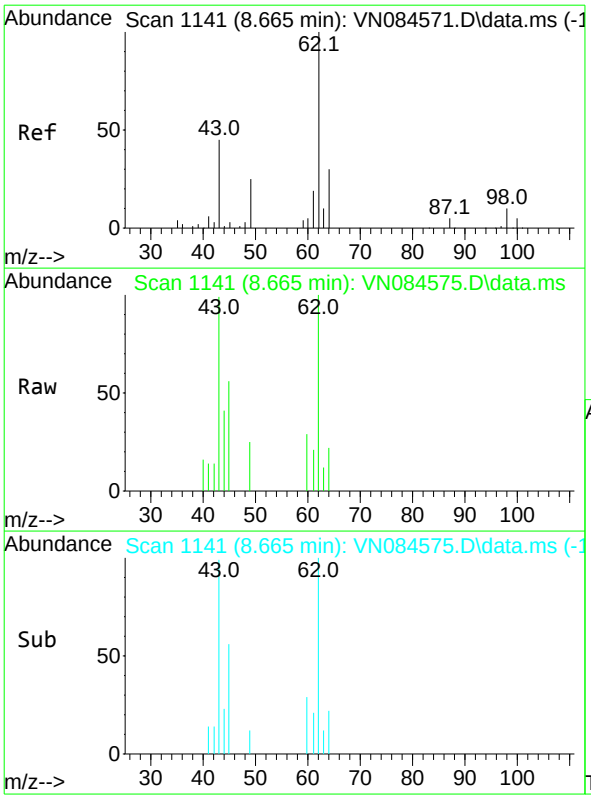


#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1095

Ion	Ratio	Lower	Upper
41	100		
39	64.7	43.3	64.9
67	86.7	56.1	84.1#
52	25.5	24.5	36.7

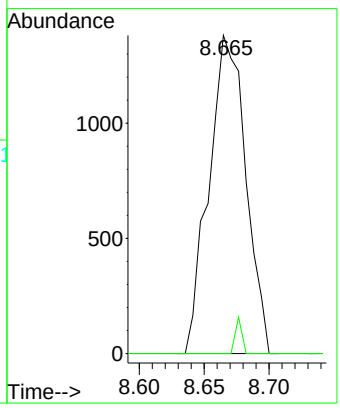




#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

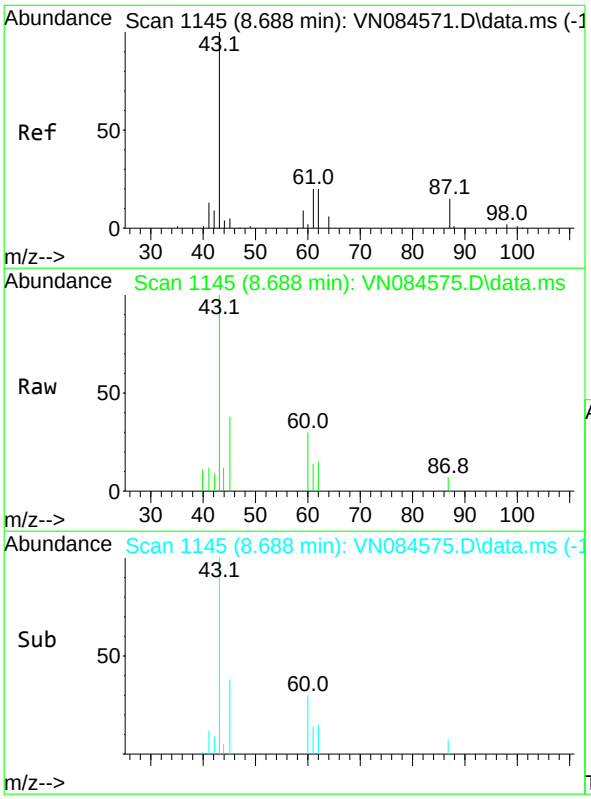
Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

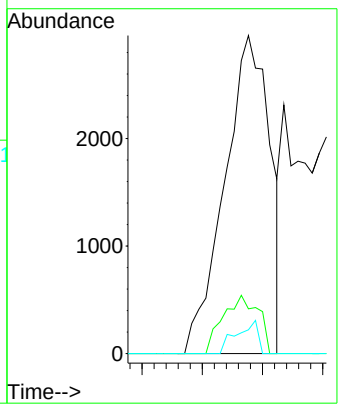
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

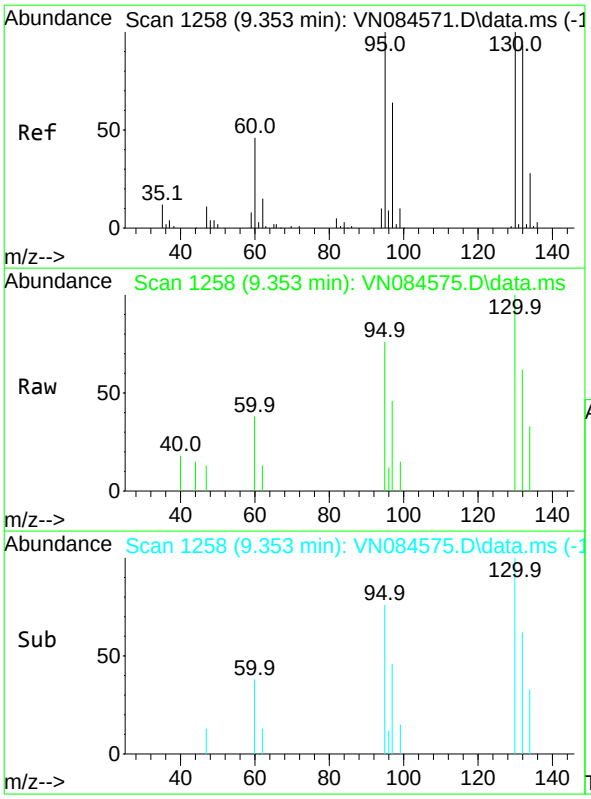


#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7724

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	4.9	10.3	15.5#

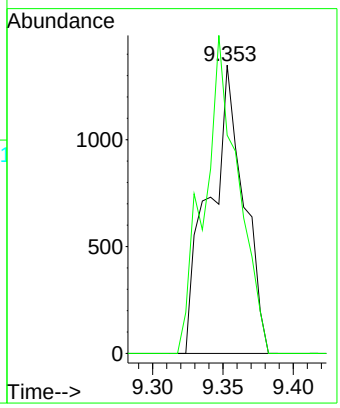




#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

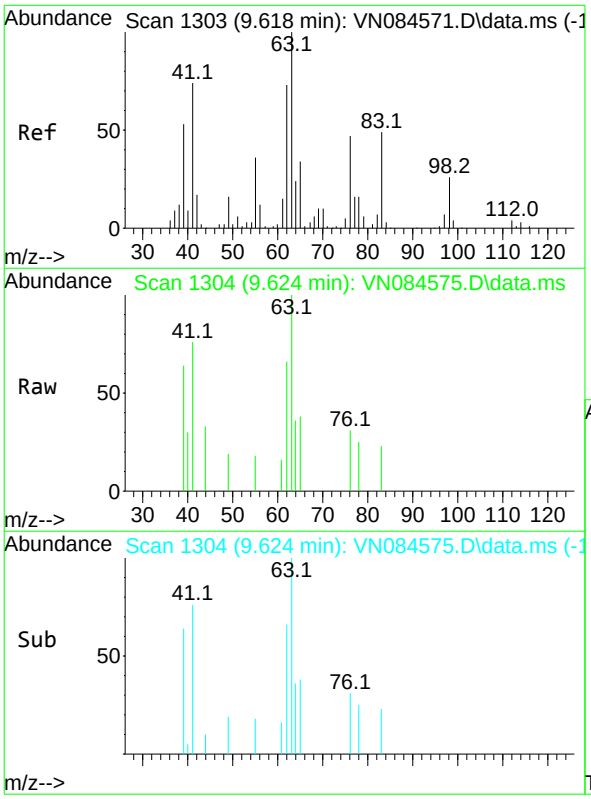
Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

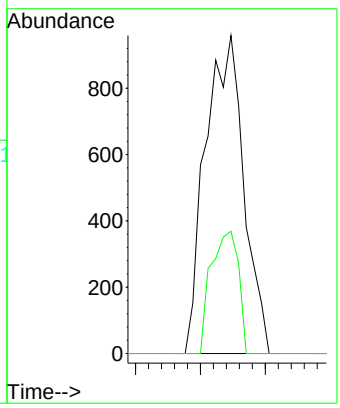
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

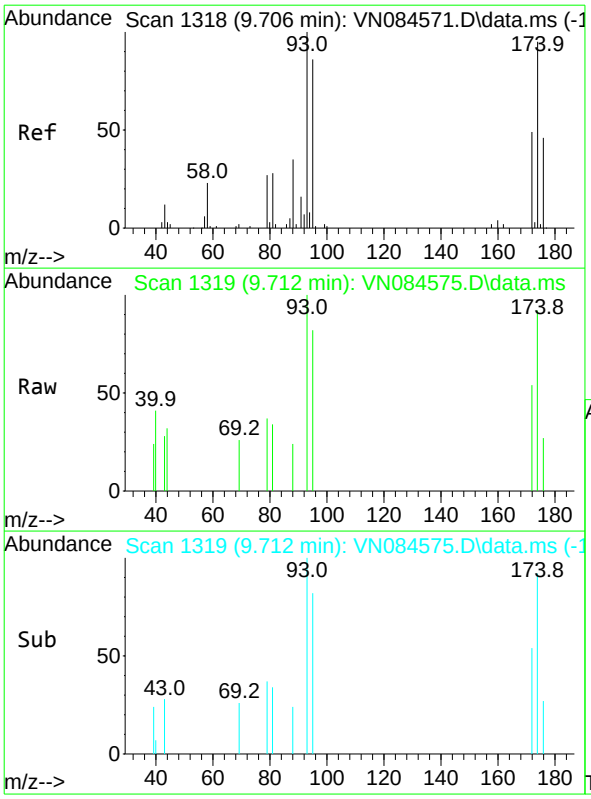


#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

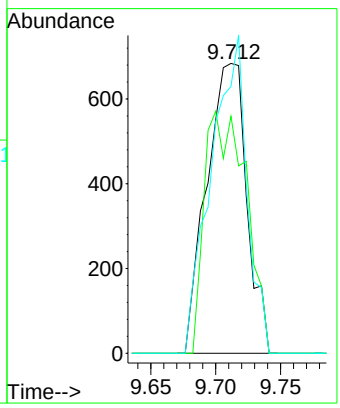




#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 93 Resp: 1472

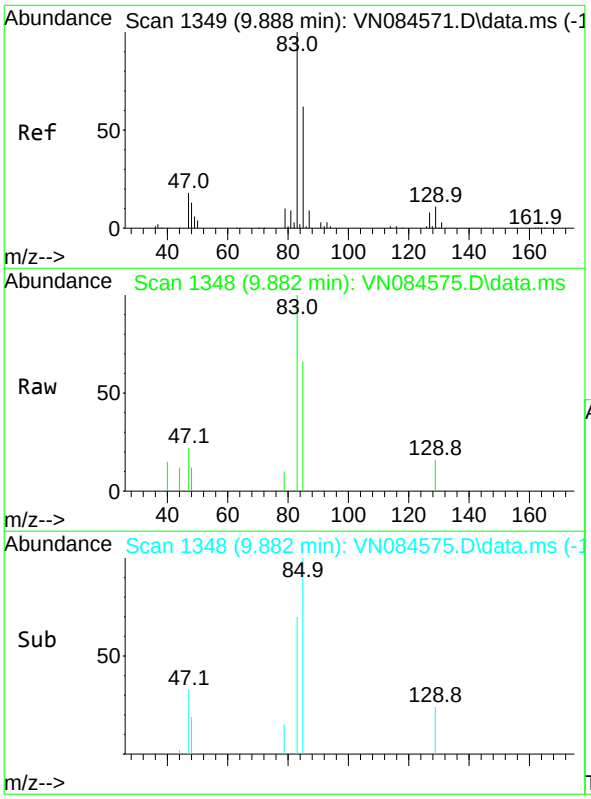
Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.4
174	97.5	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

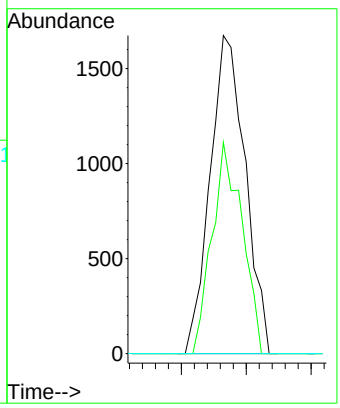
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

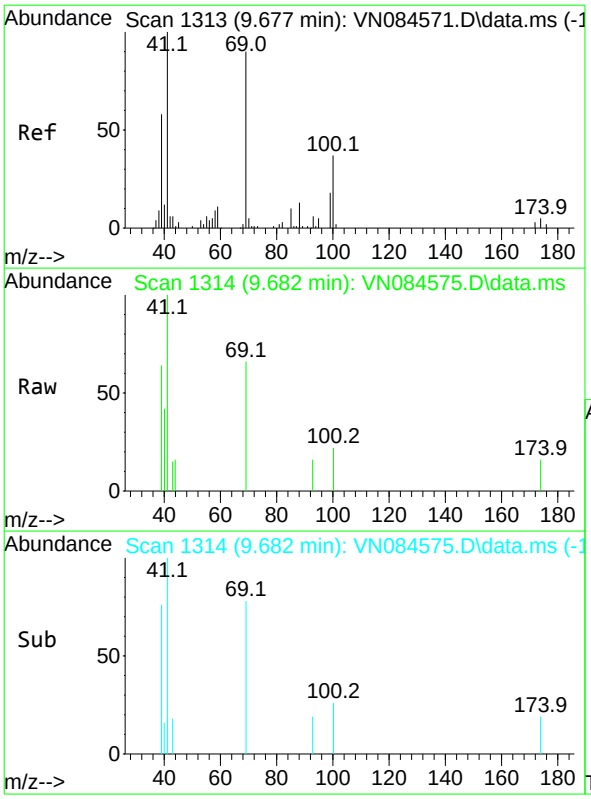


#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3156

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	0.0	5.7	8.5#

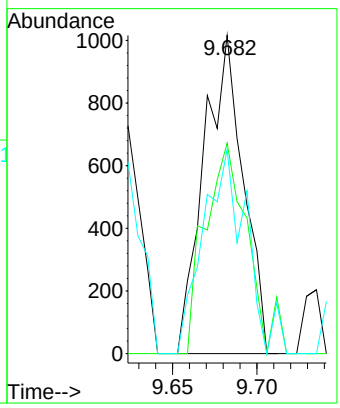




#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1652

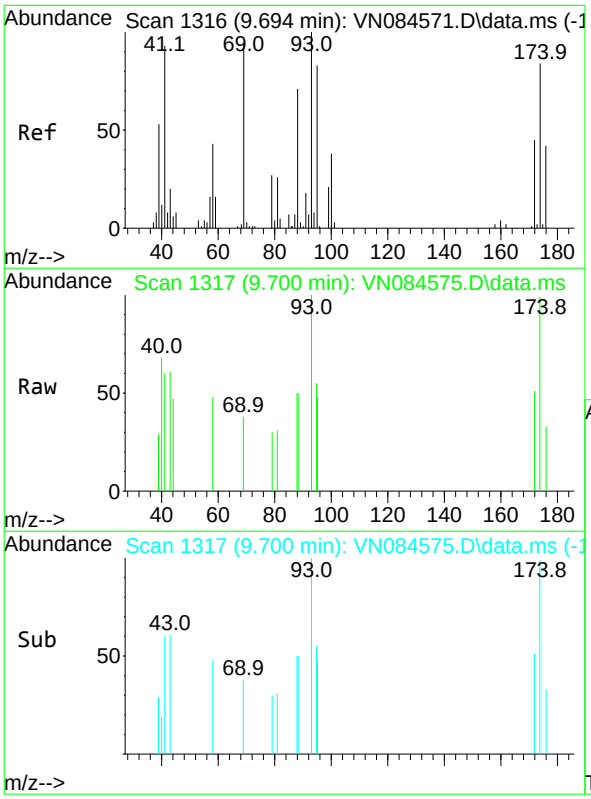
Ion	Ratio	Lower	Upper
41	100		
69	71.3	67.1	100.7
39	70.6	45.8	68.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

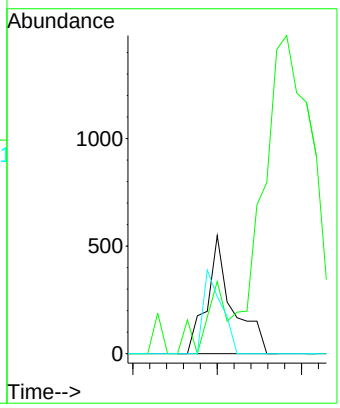
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

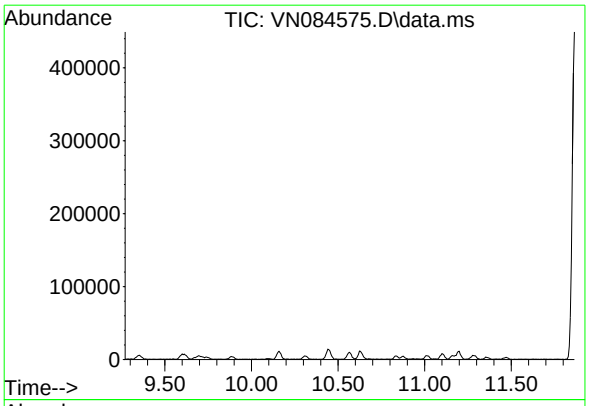


#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 88 Resp: 576

Ion	Ratio	Lower	Upper
88	100		
43	49.8	25.3	37.9#
58	50.7	56.4	84.6#





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

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

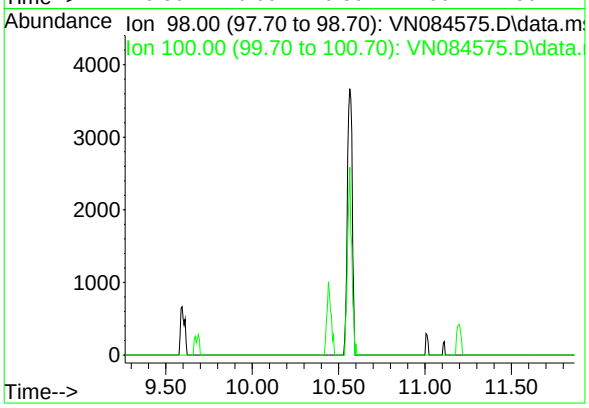
Tgt Ion: 98

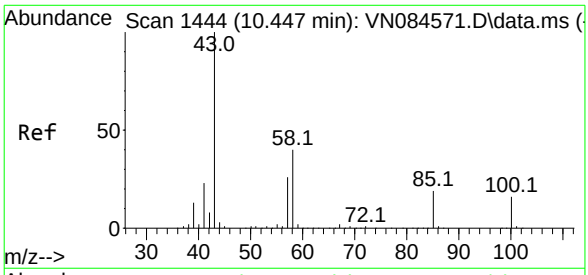
Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

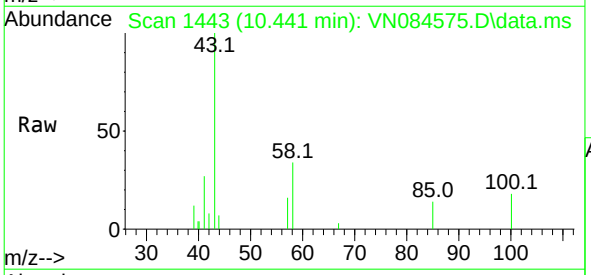


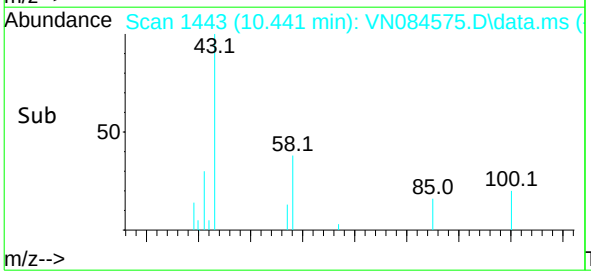


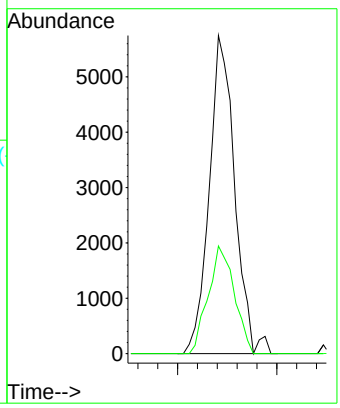
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

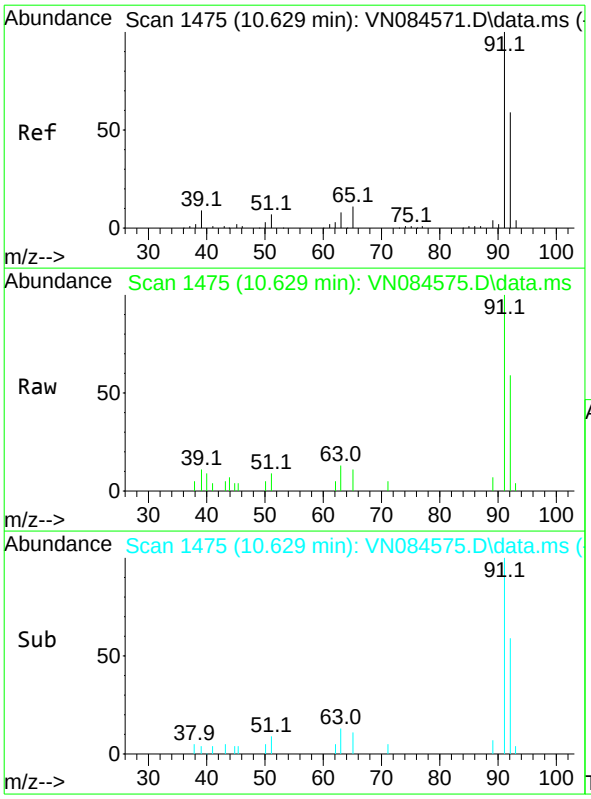
Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4





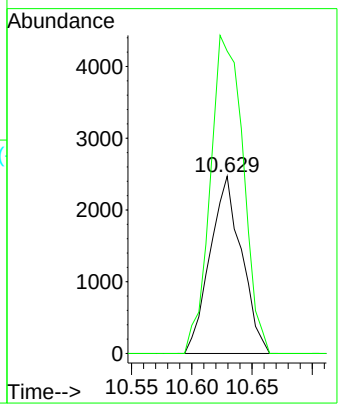




#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

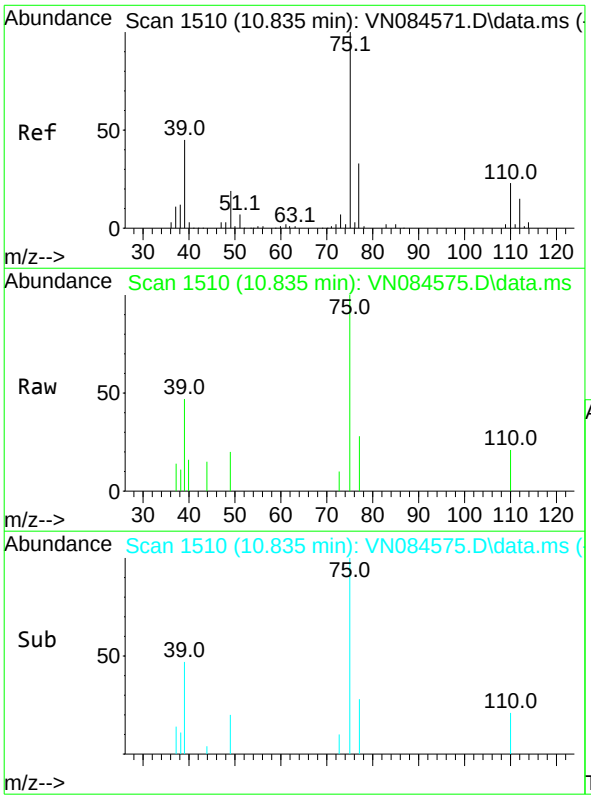
Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

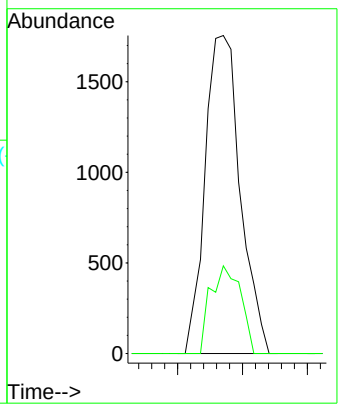
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

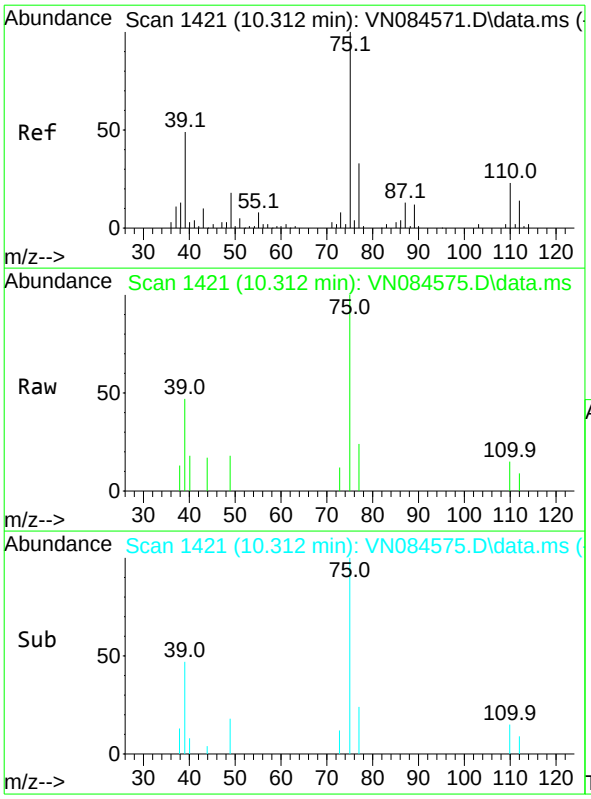


#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

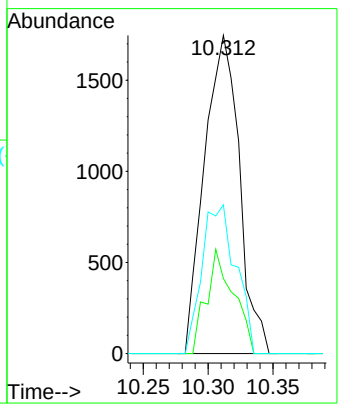




#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3266

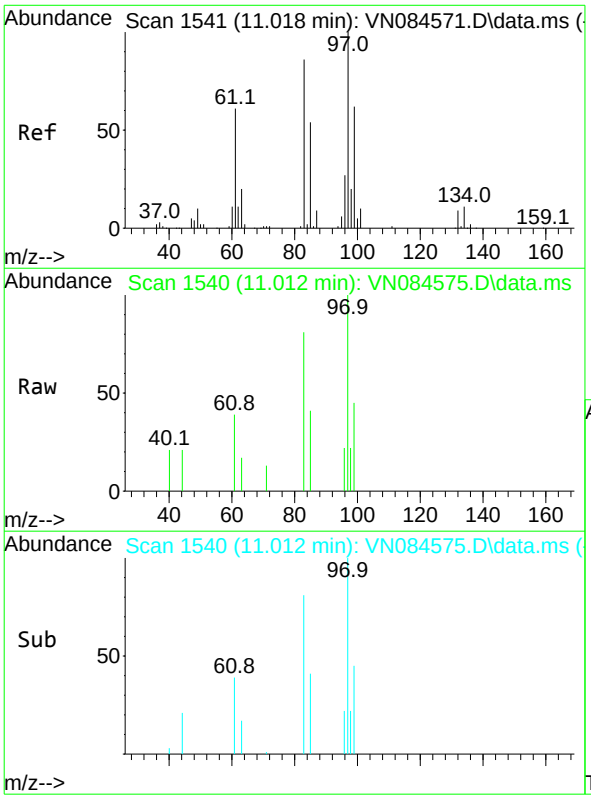
Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.2	36.2#
39	46.7	38.7	58.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

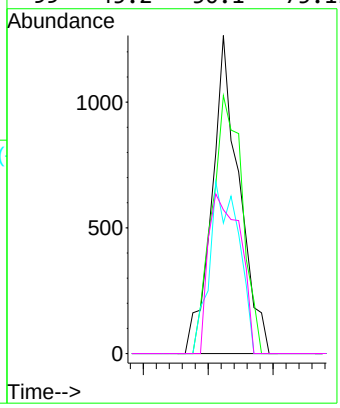
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

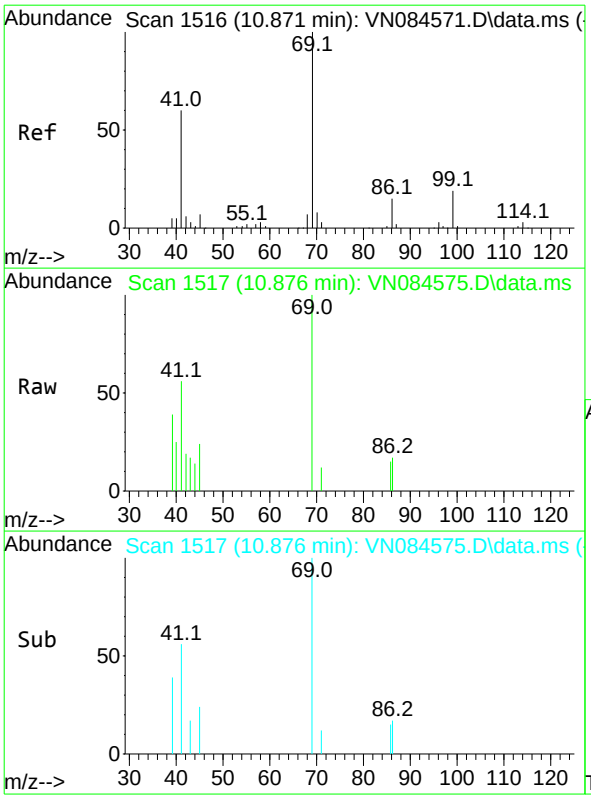


#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 1841

Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.4
85	41.0	41.7	62.5#
99	45.2	50.1	75.1#

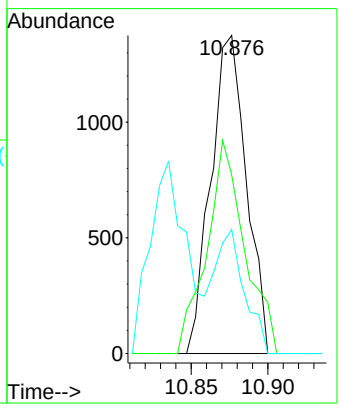




#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 69 Resp: 2211

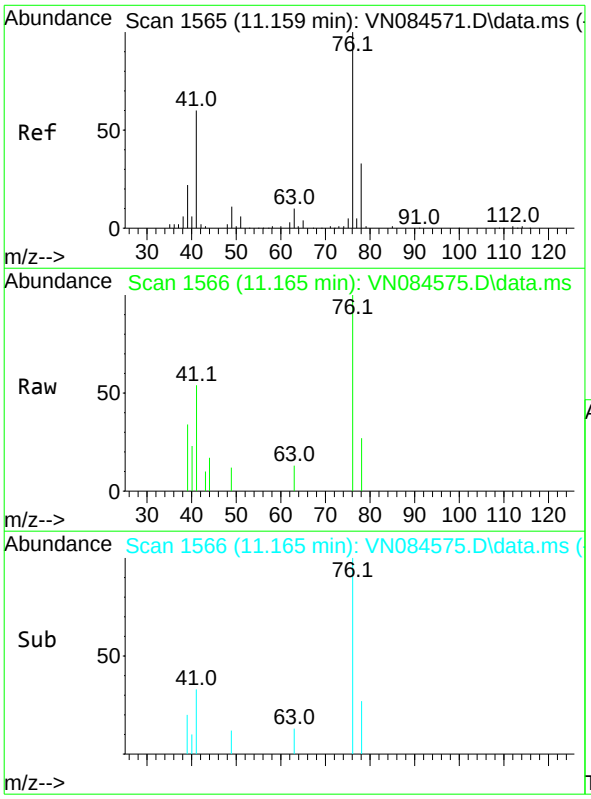
Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.3	79.9
39	32.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

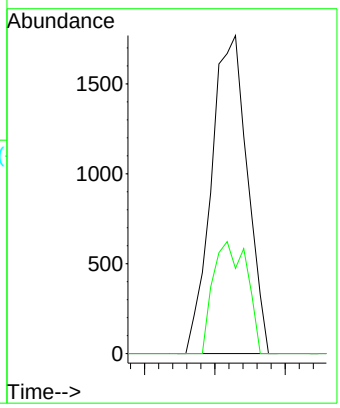
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

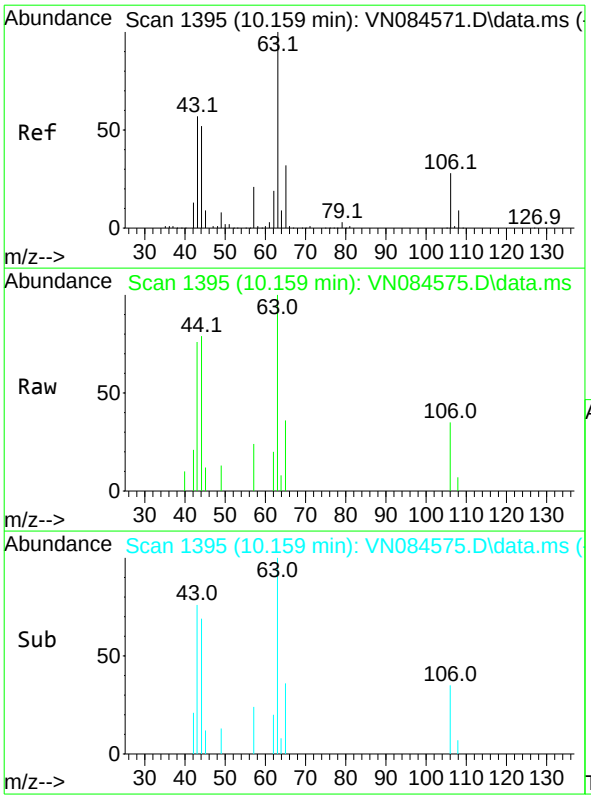


#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 76 Resp: 3139

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6





#58
2-Chloroethyl Vinyl ether
Concen: 3.720 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

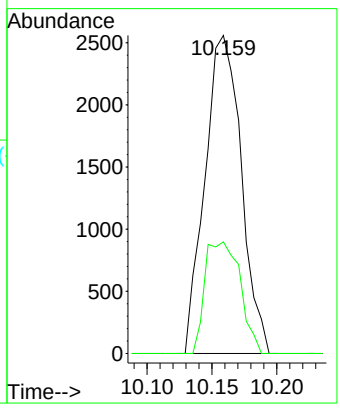
Tgt Ion: 63 Resp: 4979

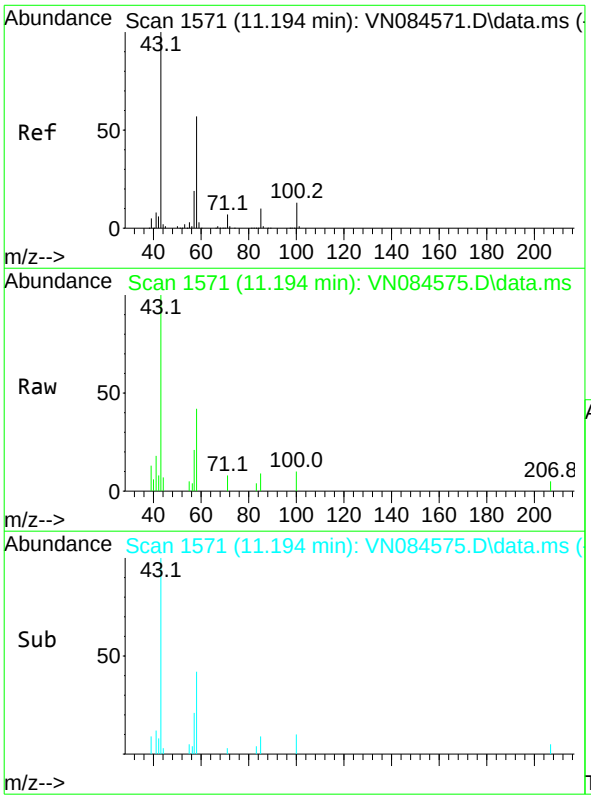
Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

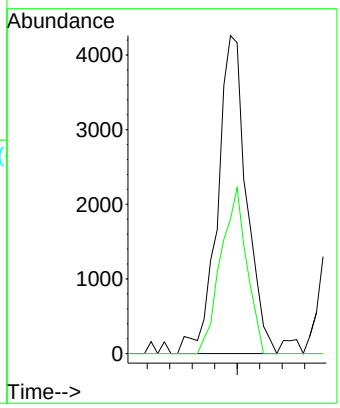


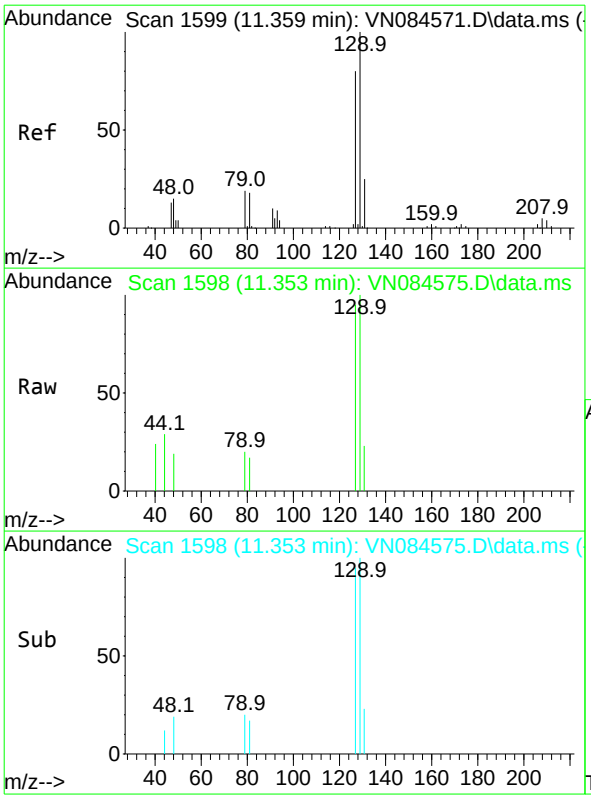


#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

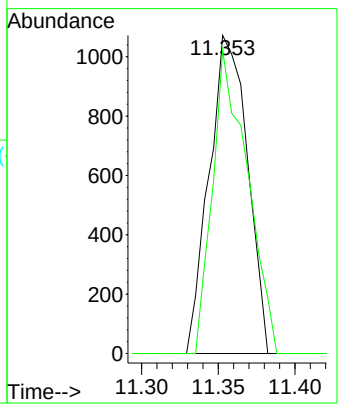




#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

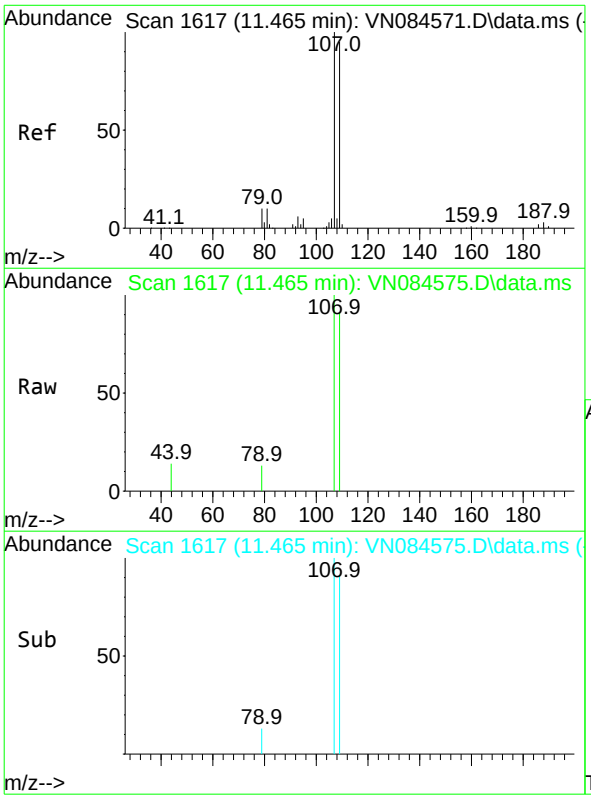
Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

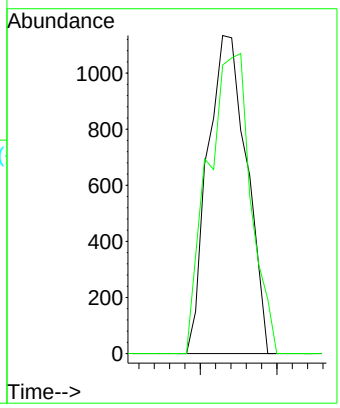
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

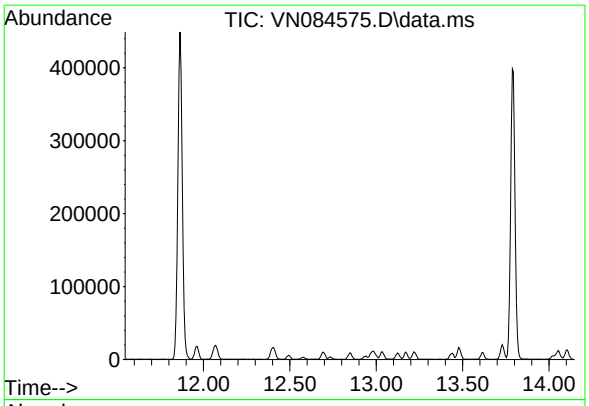


#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:107 Resp: 2001

Ion	Ratio	Lower	Upper
107	100		
109	104.4	75.4	113.0





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

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

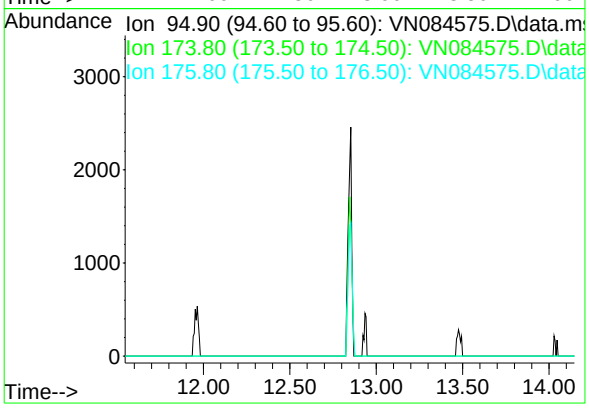
Tgt Ion: 95

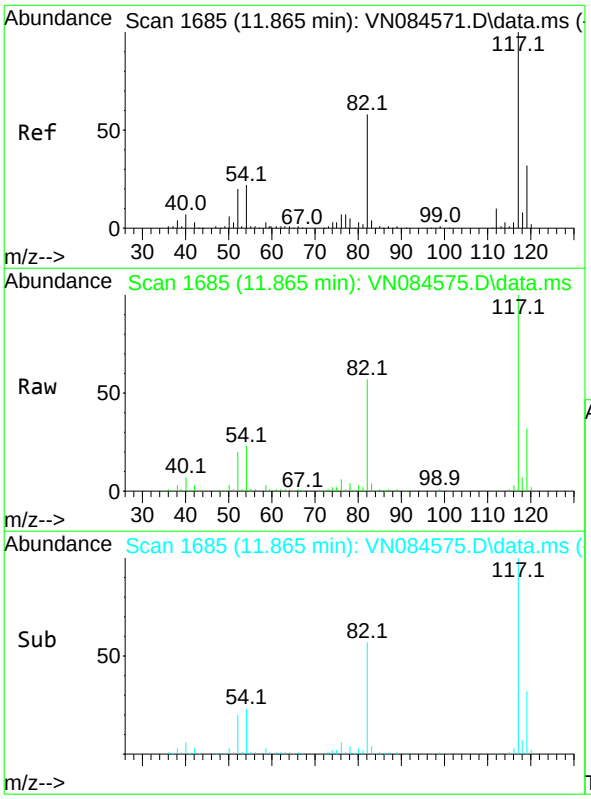
Sig	Exp Ratio
95	100
174	72.6
176	70.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

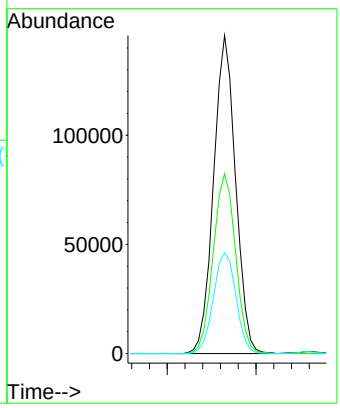


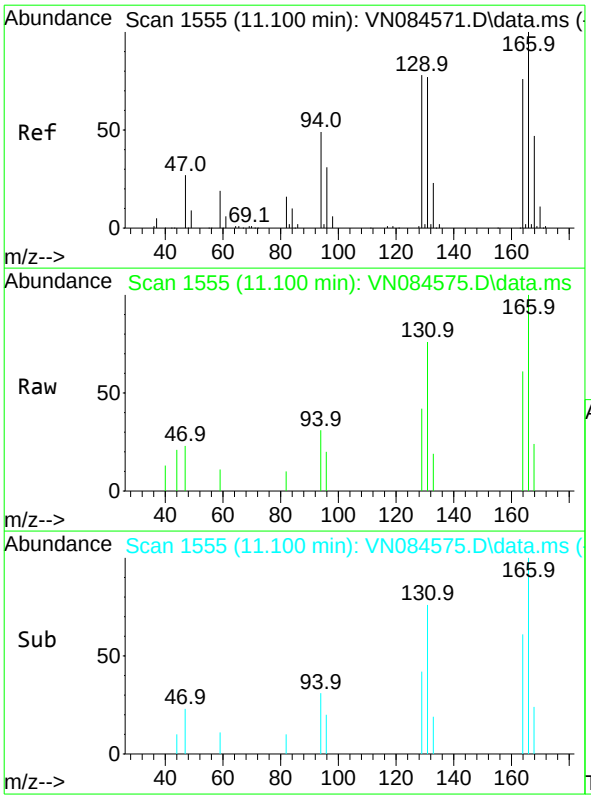


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 250990

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.7	25.4	38.0

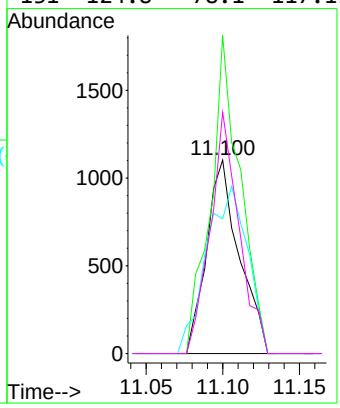




#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:164 Resp: 1629

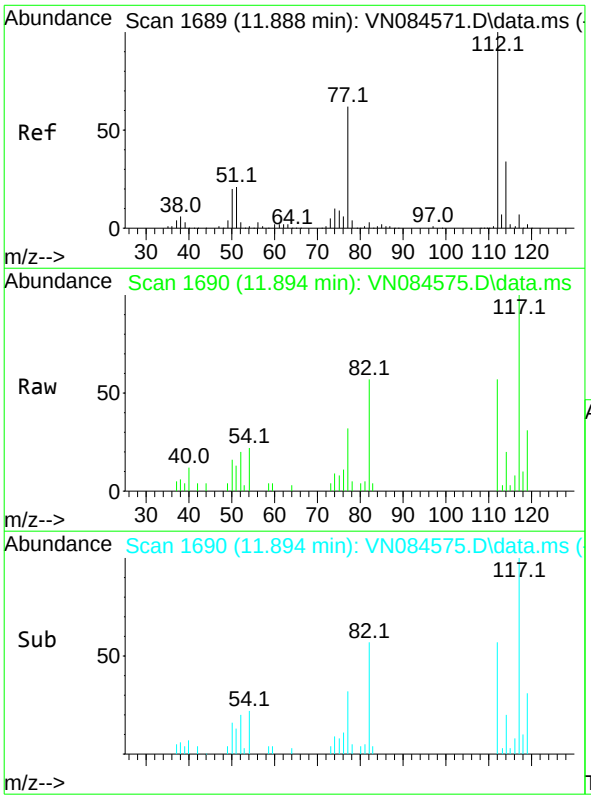
Ion	Ratio	Lower	Upper
164	100		
166	164.4	101.0	151.4#
129	69.6	80.8	121.2#
131	124.8	78.1	117.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

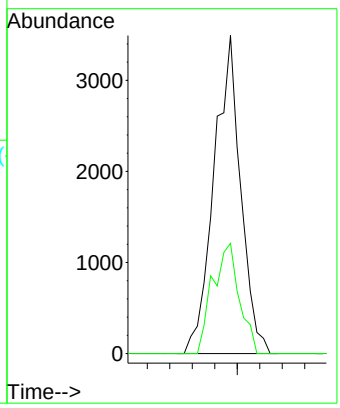
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

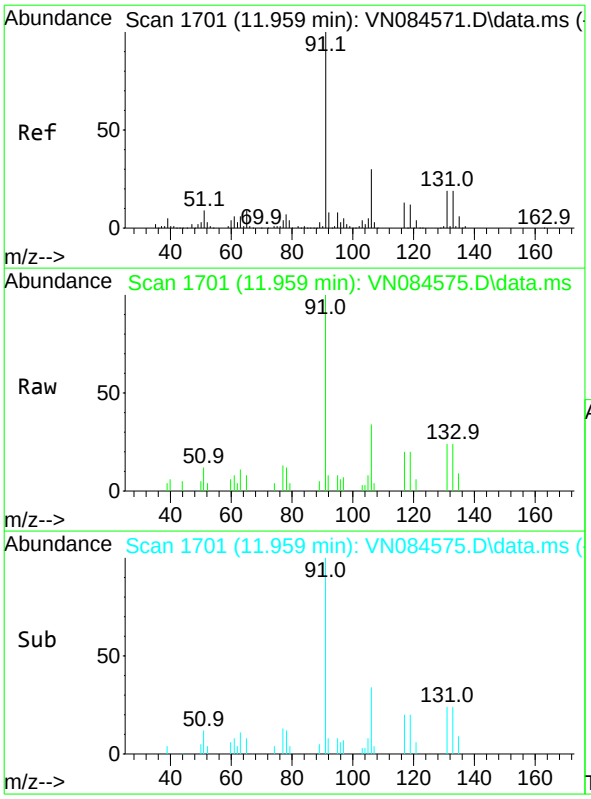


#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

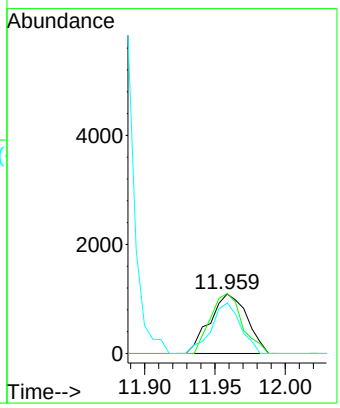




#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:131 Resp: 2002

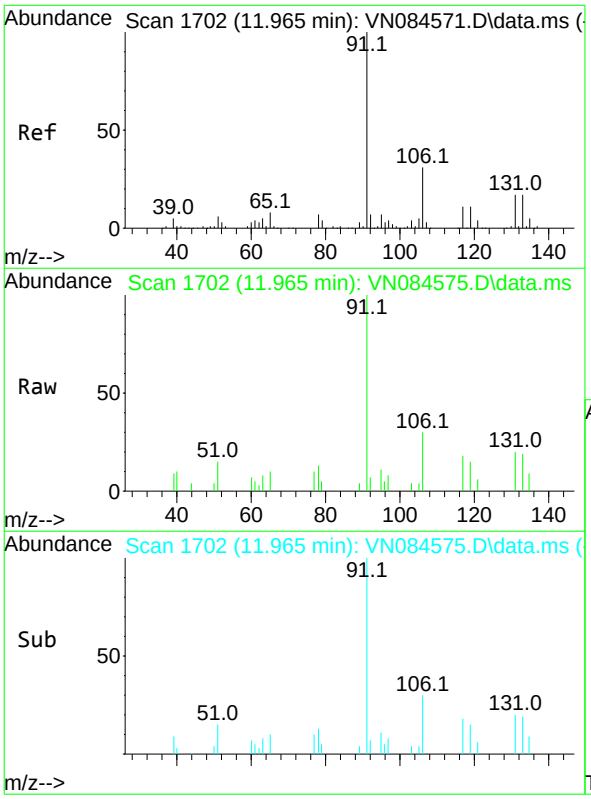
Ion	Ratio	Lower	Upper
131	100		
133	86.7	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

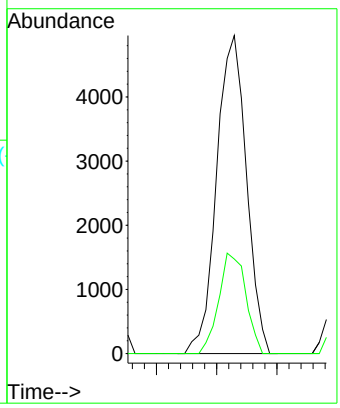
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

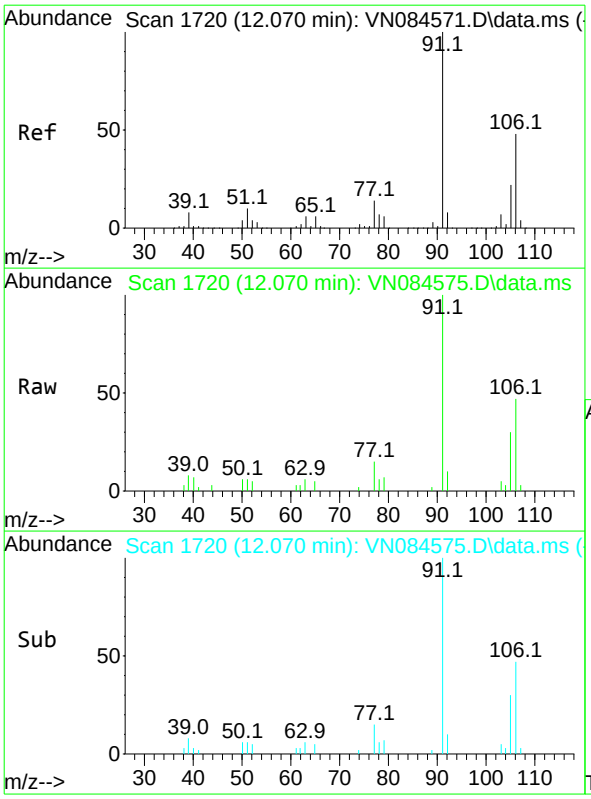


#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

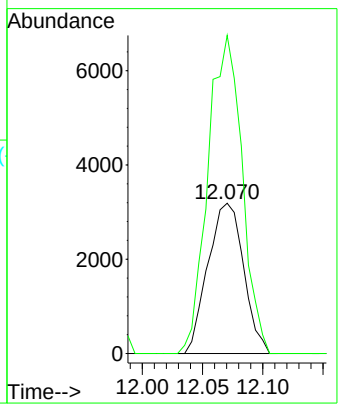




#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

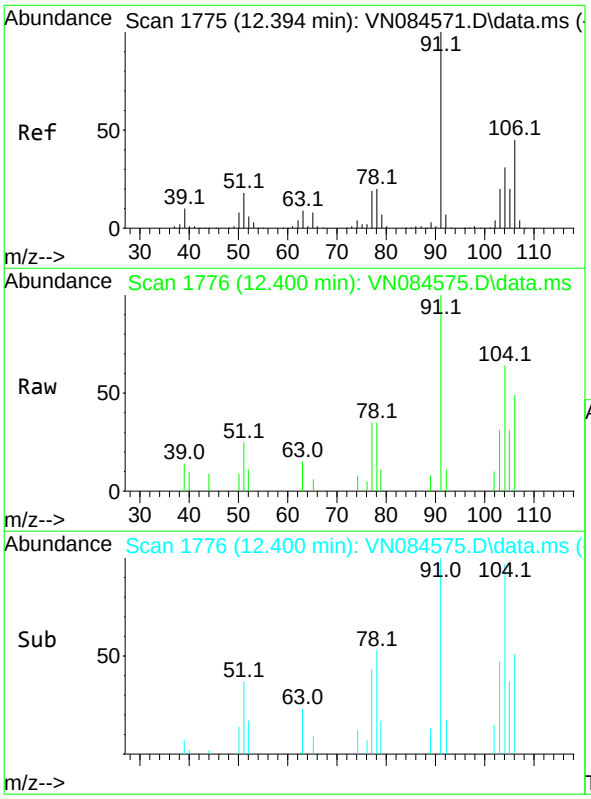
Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

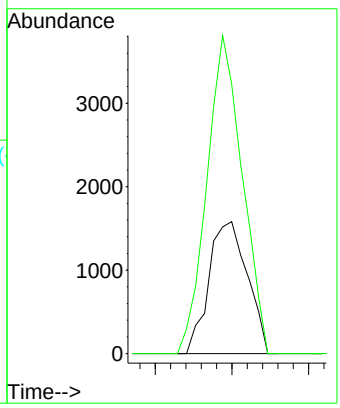
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

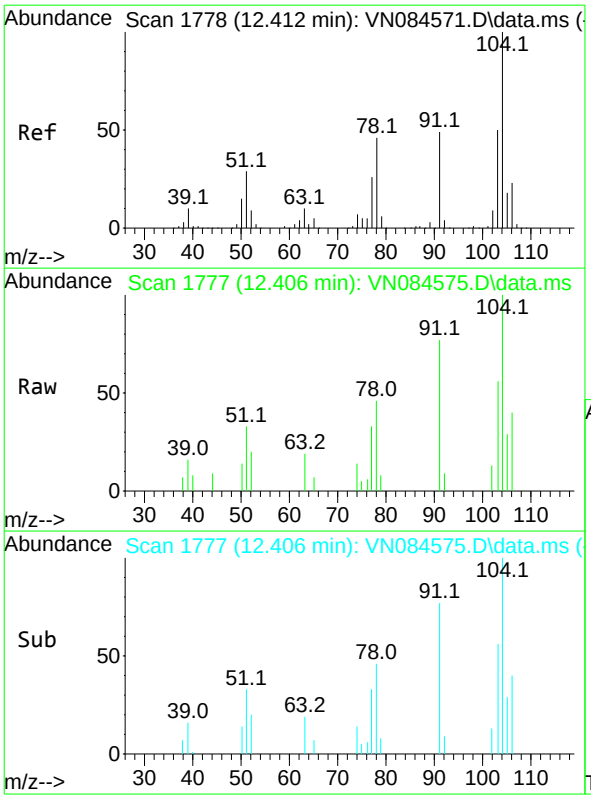


#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

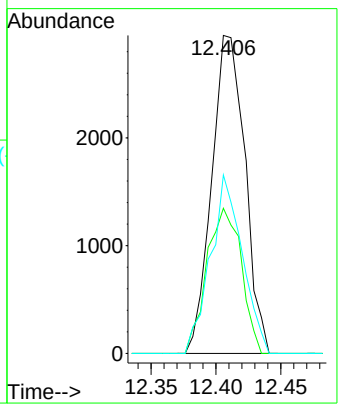




#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:104 Resp: 5269

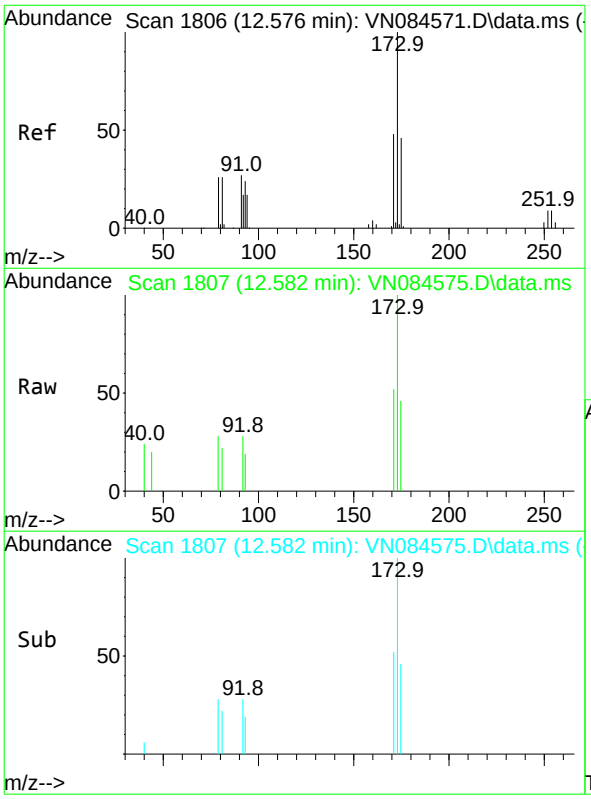
Ion	Ratio	Lower	Upper
104	100		
78	47.3	42.7	64.1
103	53.6	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

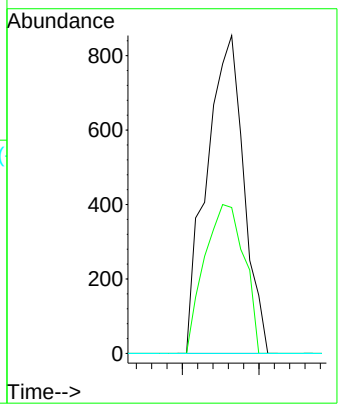
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

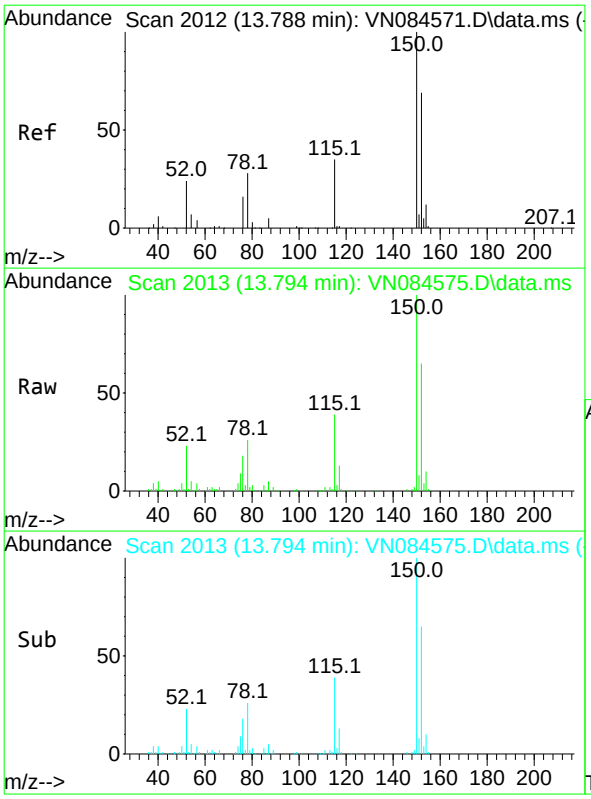


#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:173 Resp: 1434

Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0

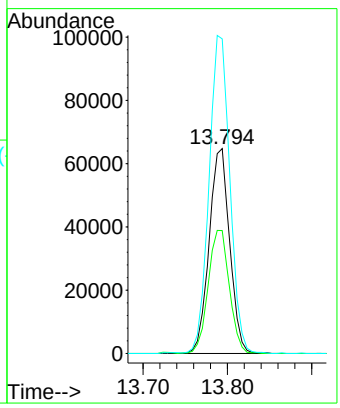




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:152 Resp: 109560

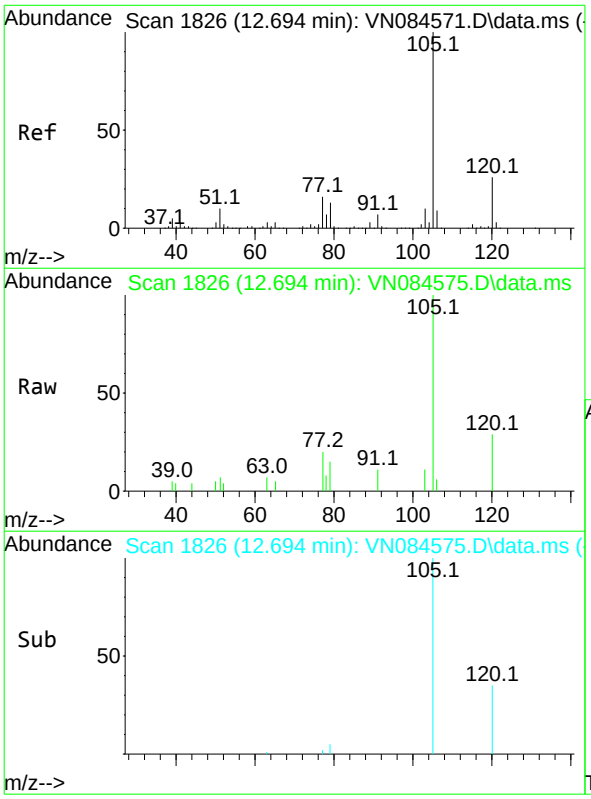
Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

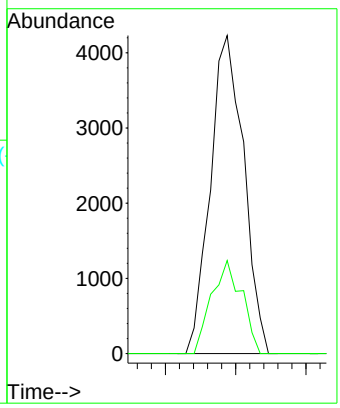
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

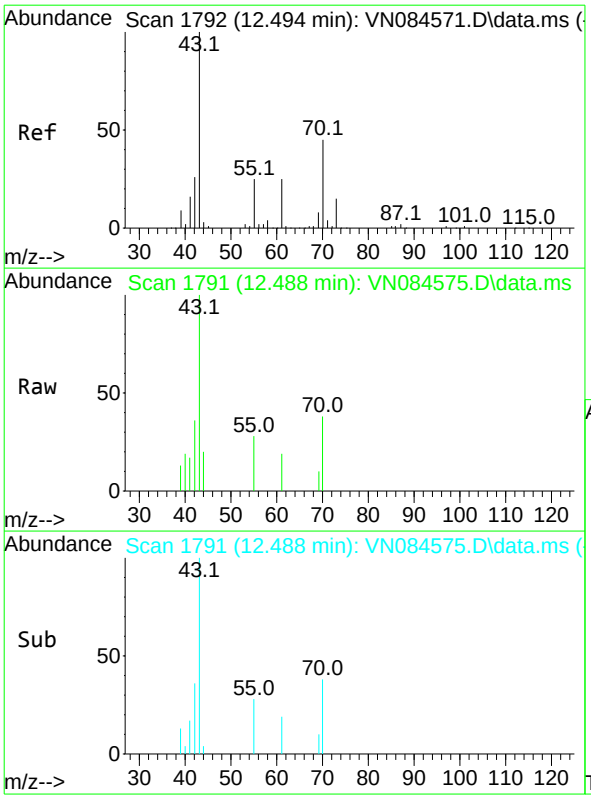


#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

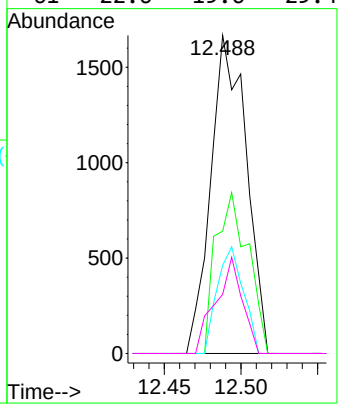




#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2680

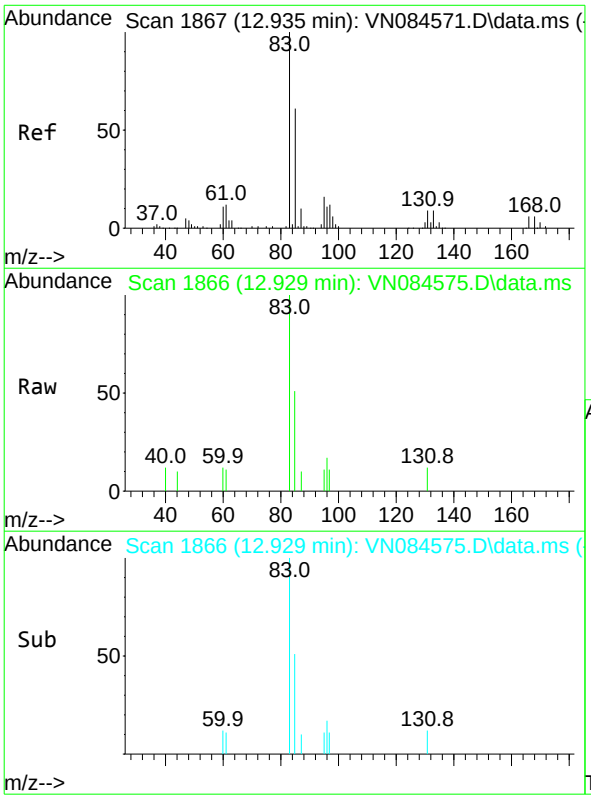
Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.4	51.6
55	24.7	19.6	29.4
61	22.6	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

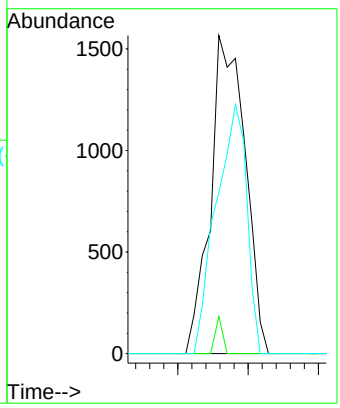
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

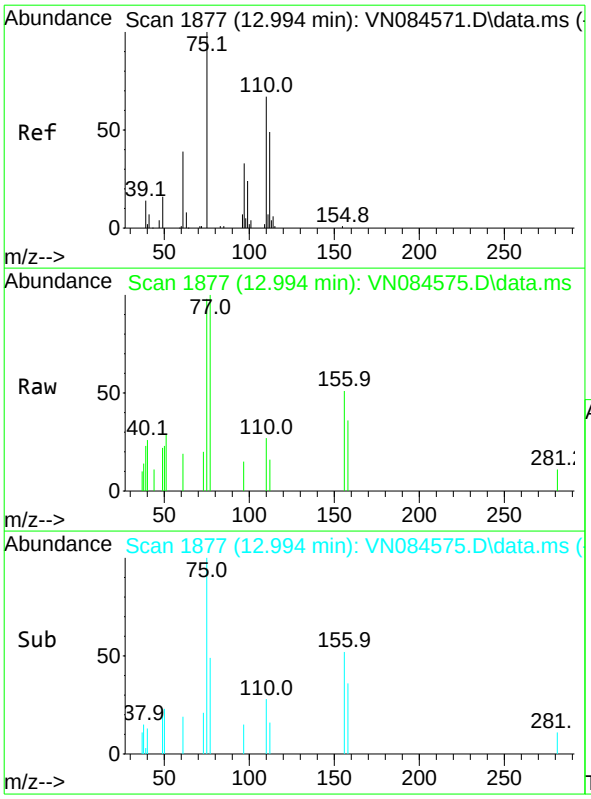


#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 2678

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.9	14.7#
85	69.2	31.9	95.7

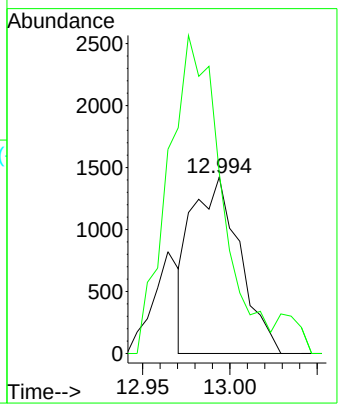




#76
1,2,3-Trichloropropane
Concen: 1.263 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2731

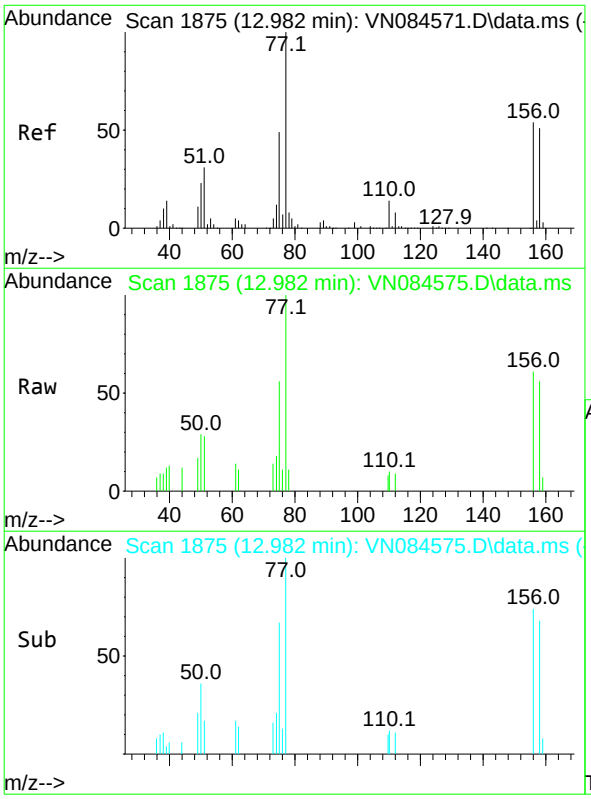
Ion	Ratio	Lower	Upper
75	100		
77	199.6	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

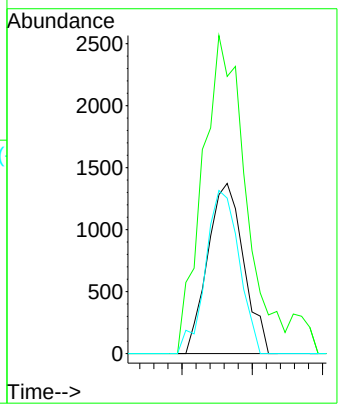
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

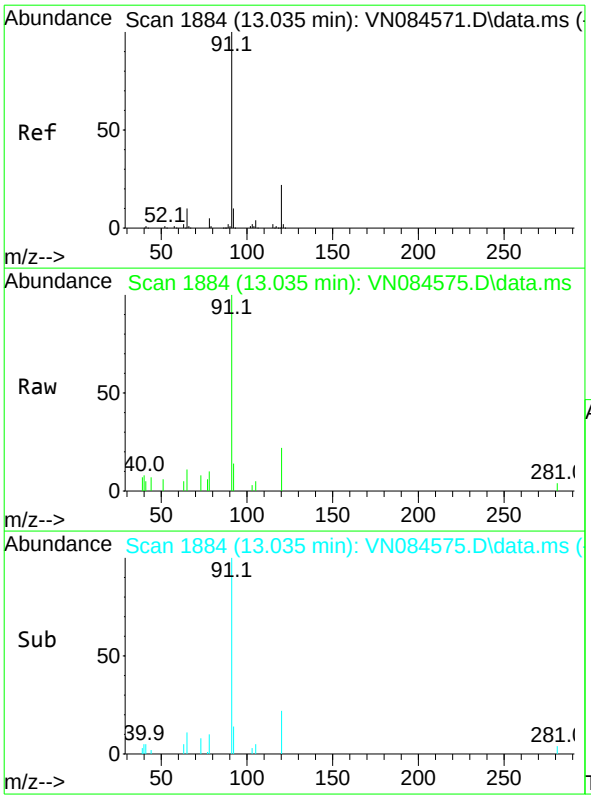


#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:156 Resp: 2440

Ion	Ratio	Lower	Upper
156	100		
77	223.4	115.1	345.3
158	89.6	48.9	146.8

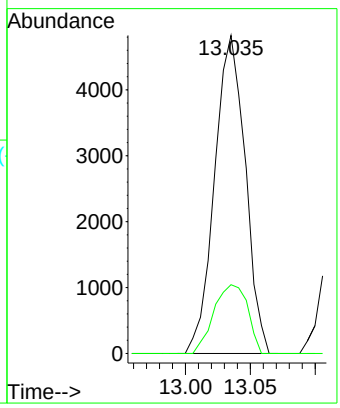




#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.035 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 7935

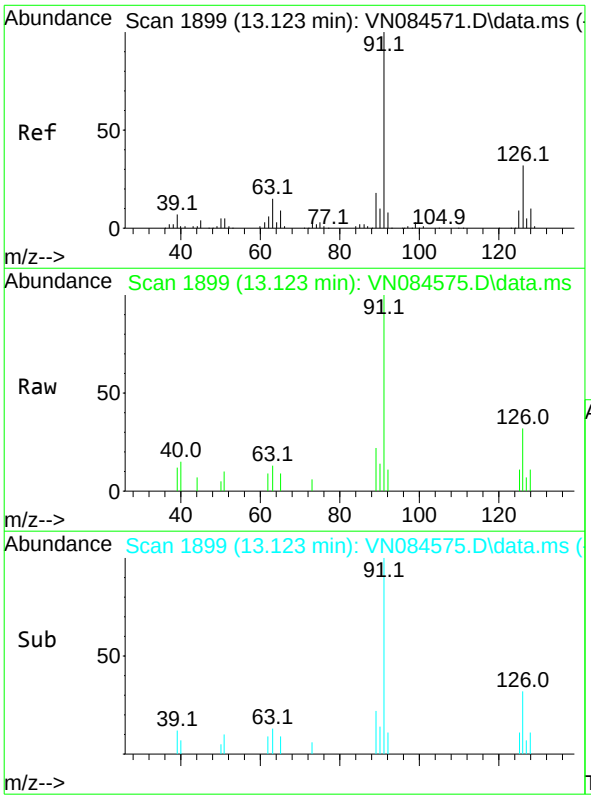
Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

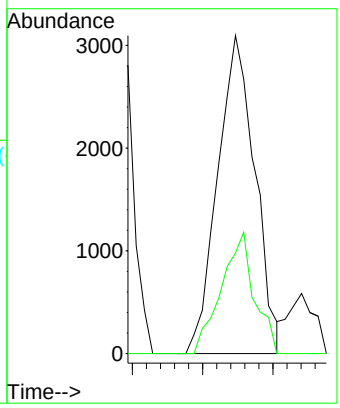
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

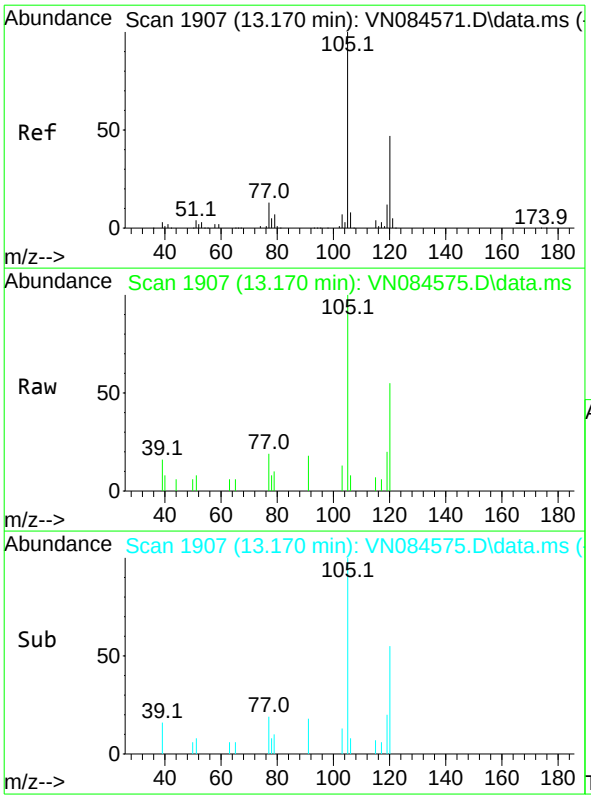


#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

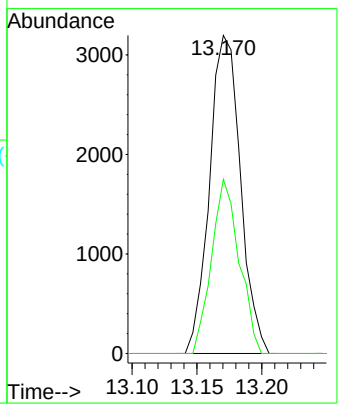




#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

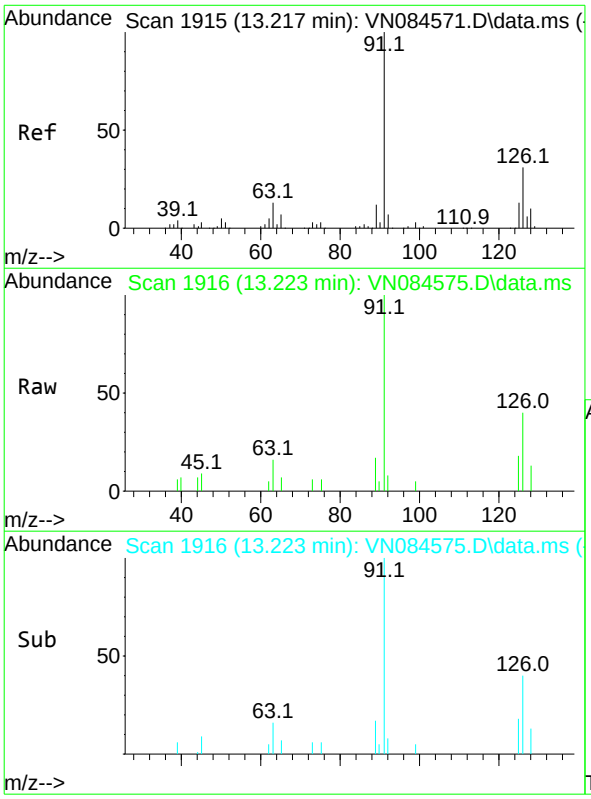
Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

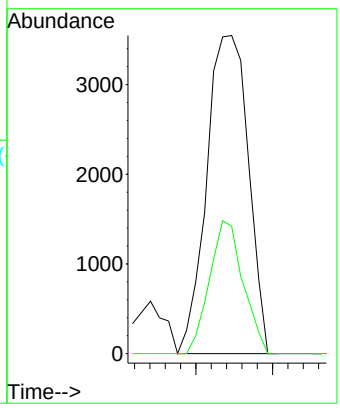
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

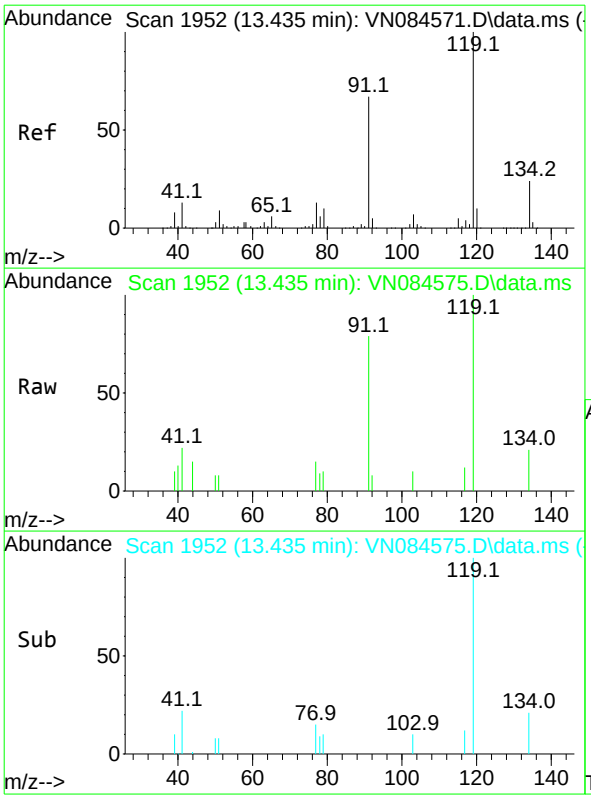


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

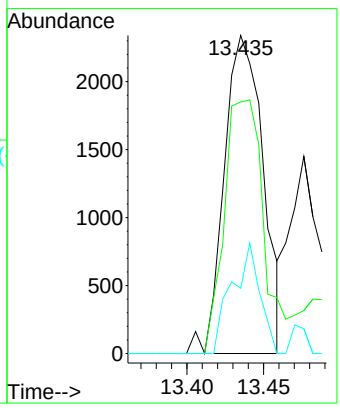




#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4148

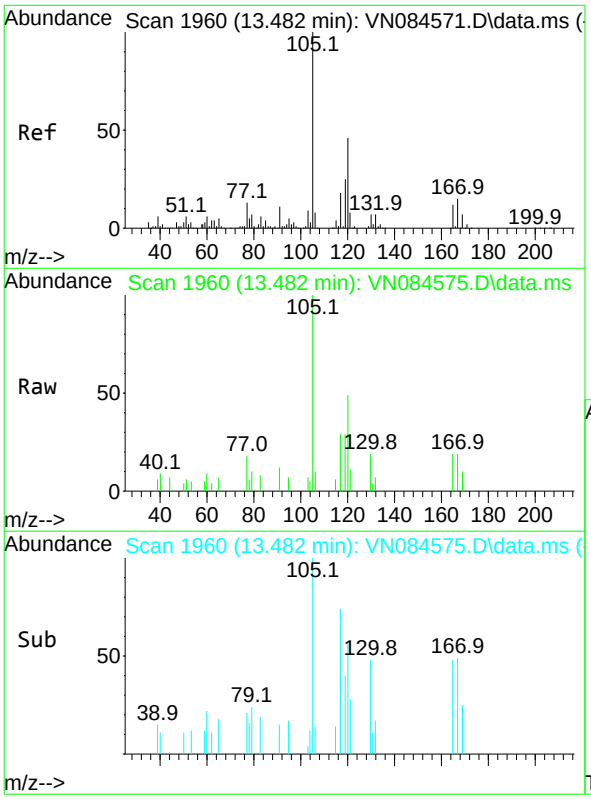
Ion	Ratio	Lower	Upper
119	100		
91	79.8	34.1	102.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

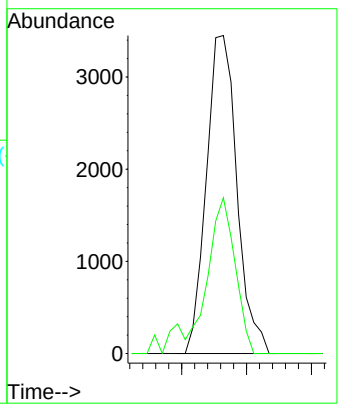
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

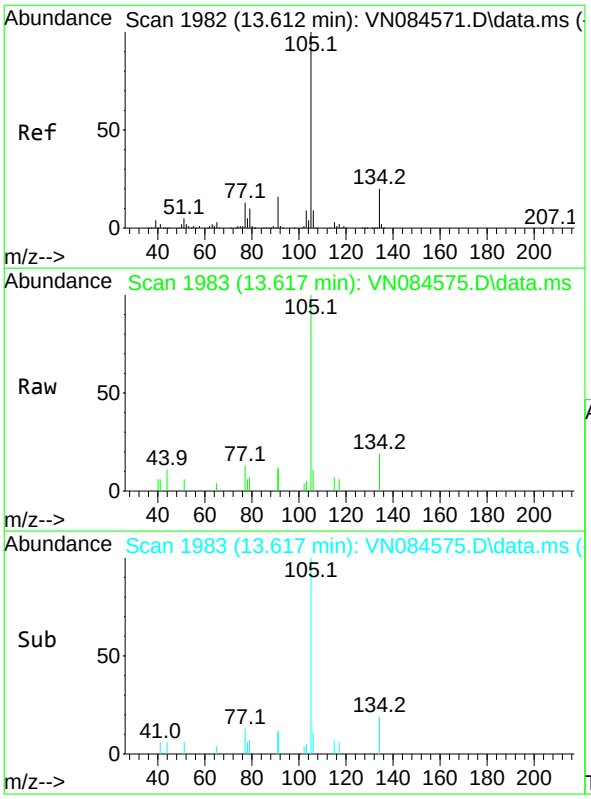


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

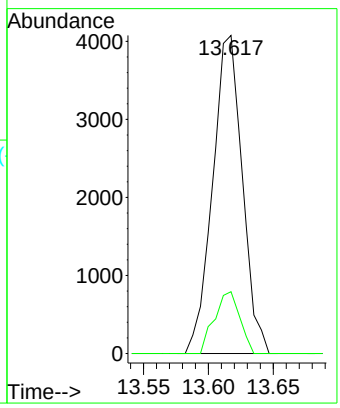




#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6490

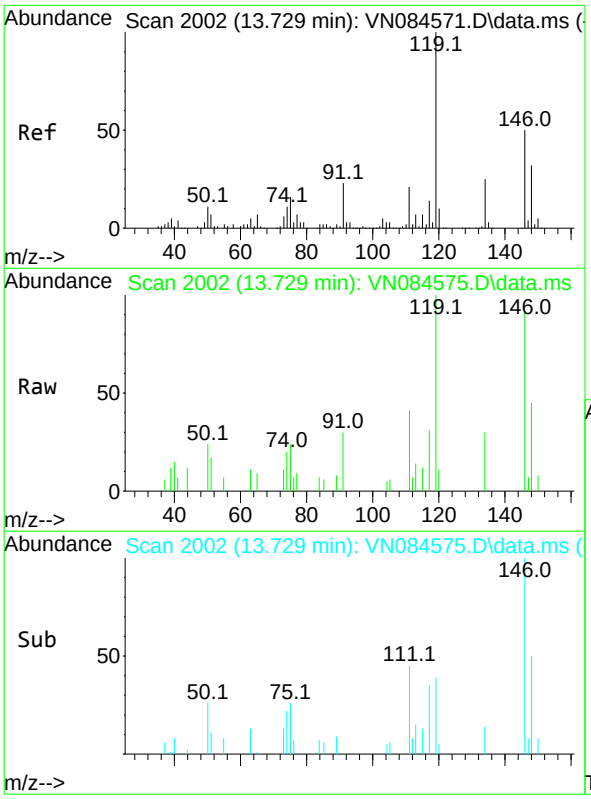
Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

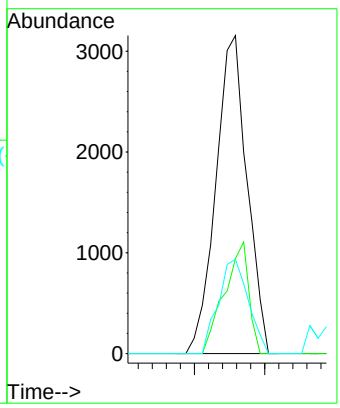
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

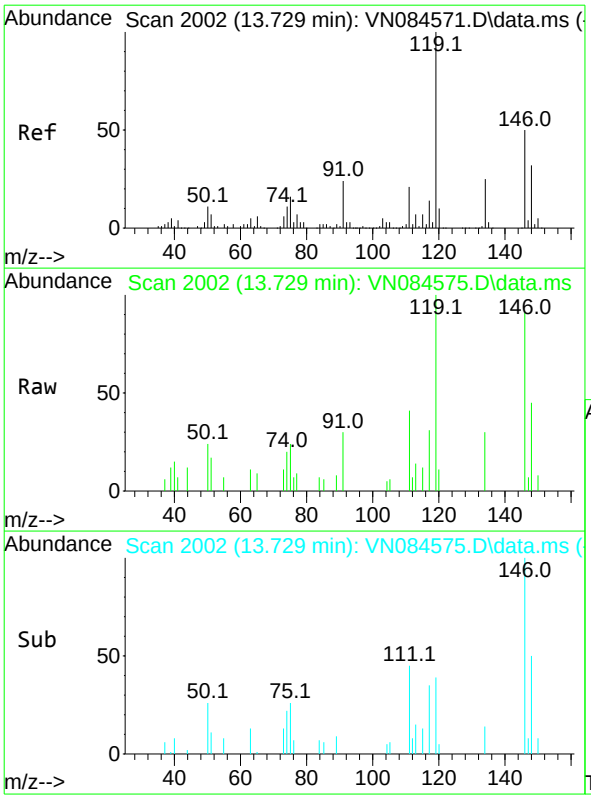


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4859

Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.6	37.8
91	28.4	12.4	37.2

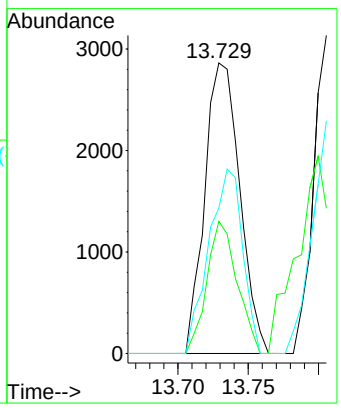




#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4961

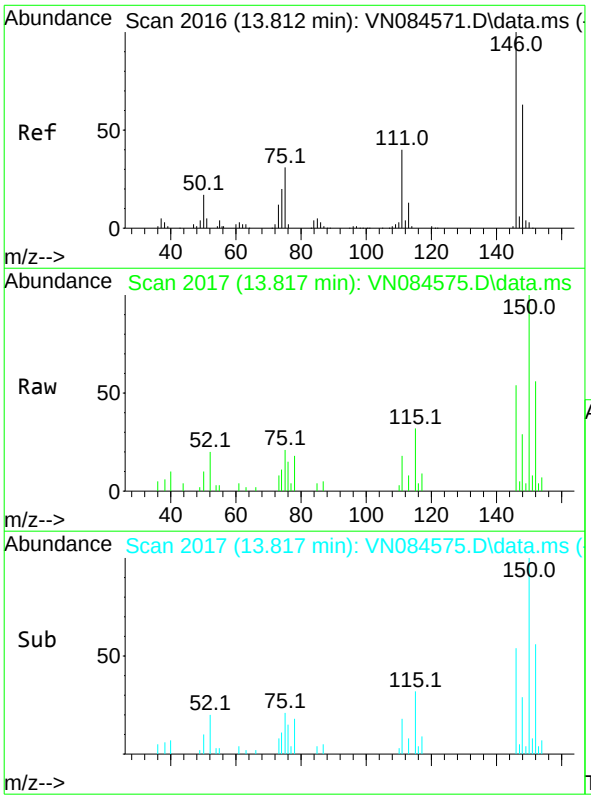
Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.8	65.3
148	61.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

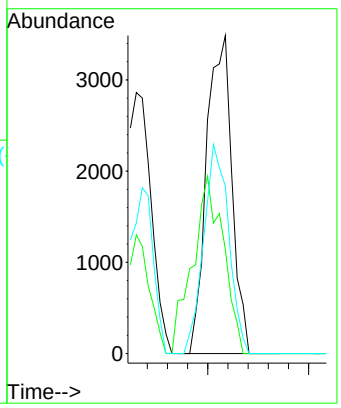
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

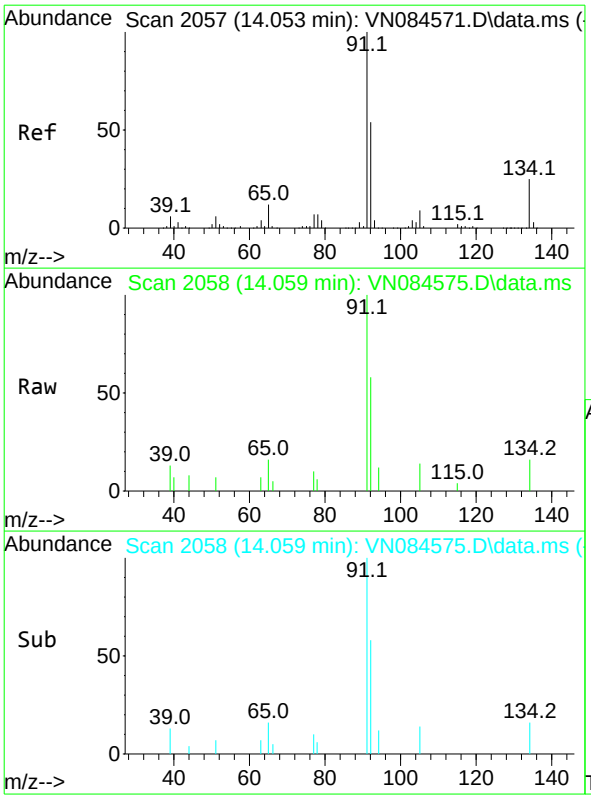


#88
1,4-Dichlorobenzene
Concen: 0.801 ug/l m
RT: 13.817 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 6076

Ion	Ratio	Lower	Upper
146	100		
111	32.1	21.2	63.6
148	49.9	31.9	95.9

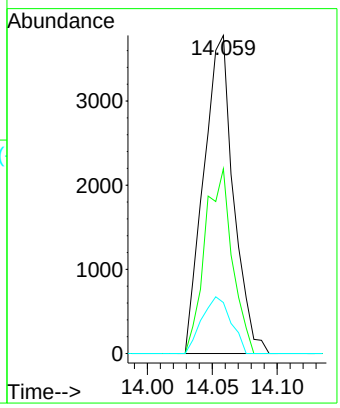




#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6020

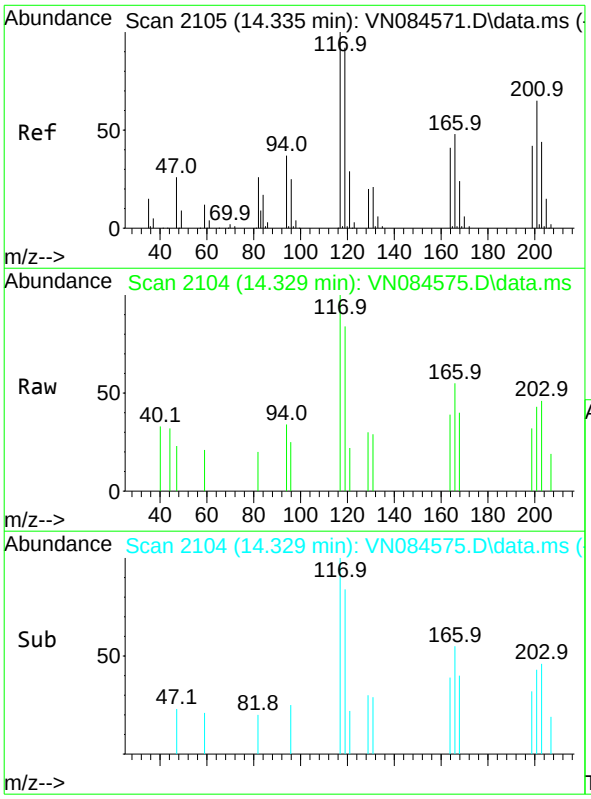
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	17.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

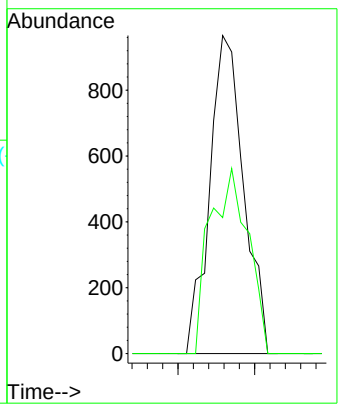
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

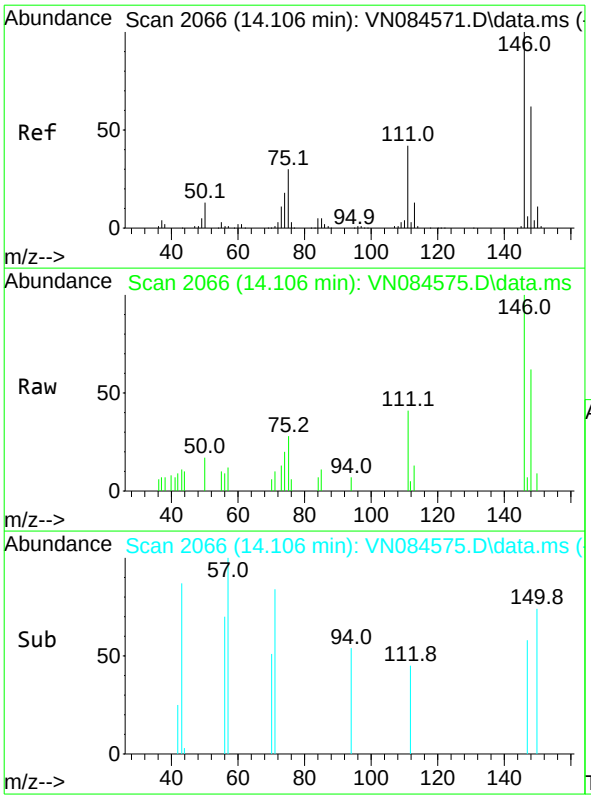


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

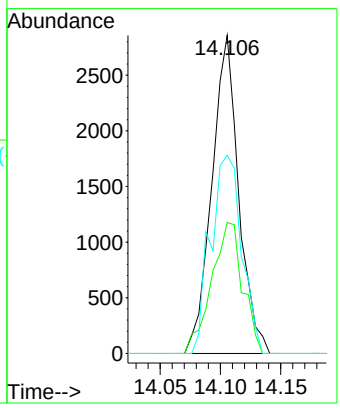




#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4428

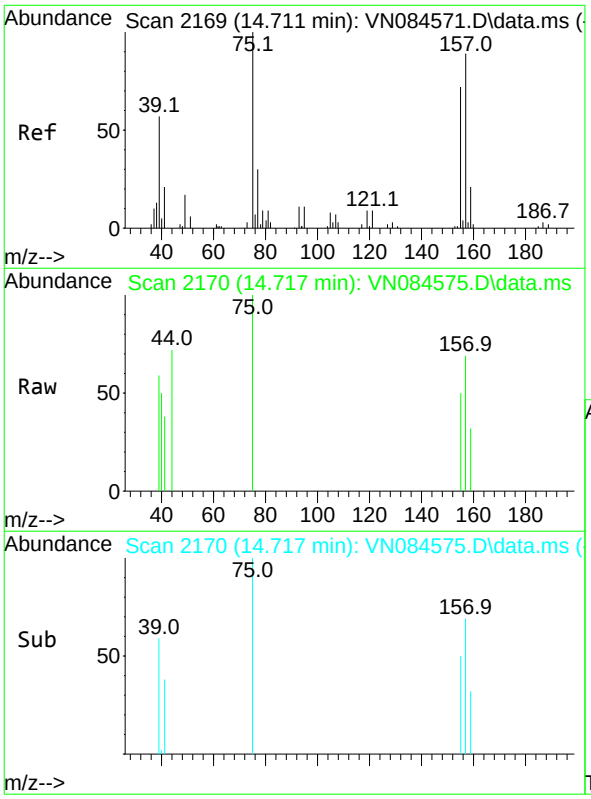
Ion	Ratio	Lower	Upper
146	100		
111	47.8	22.0	66.0
148	72.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

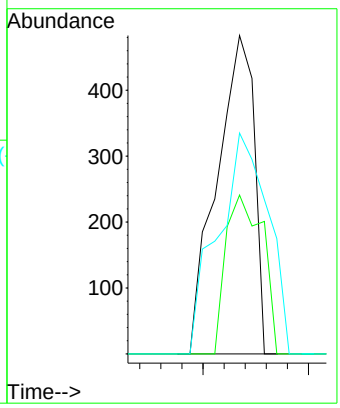
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

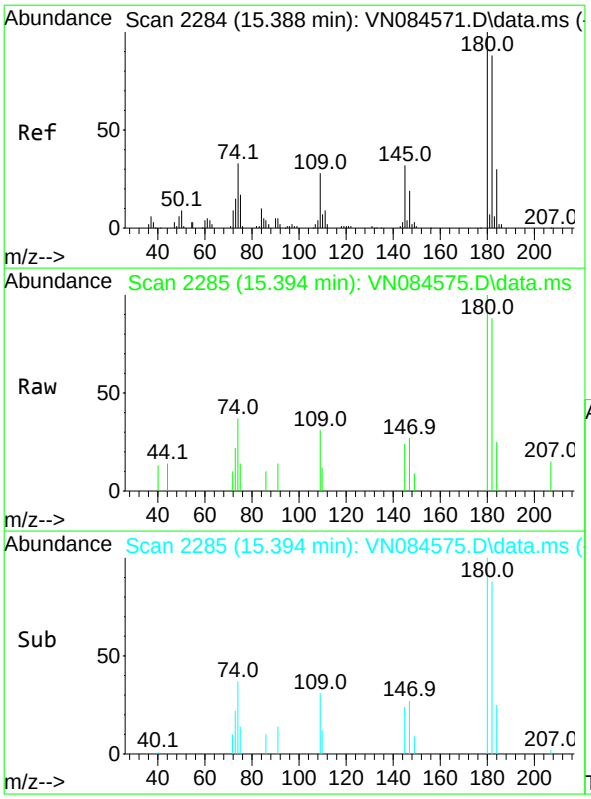


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 595

Ion	Ratio	Lower	Upper
75	100		
155	49.2	38.1	114.5
157	92.8	49.6	149.0

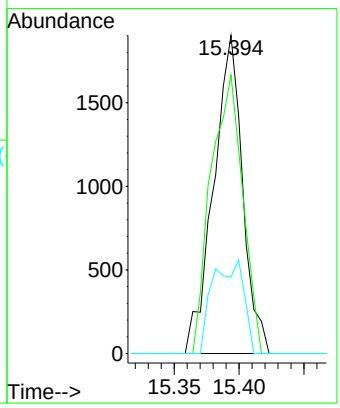




#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2964

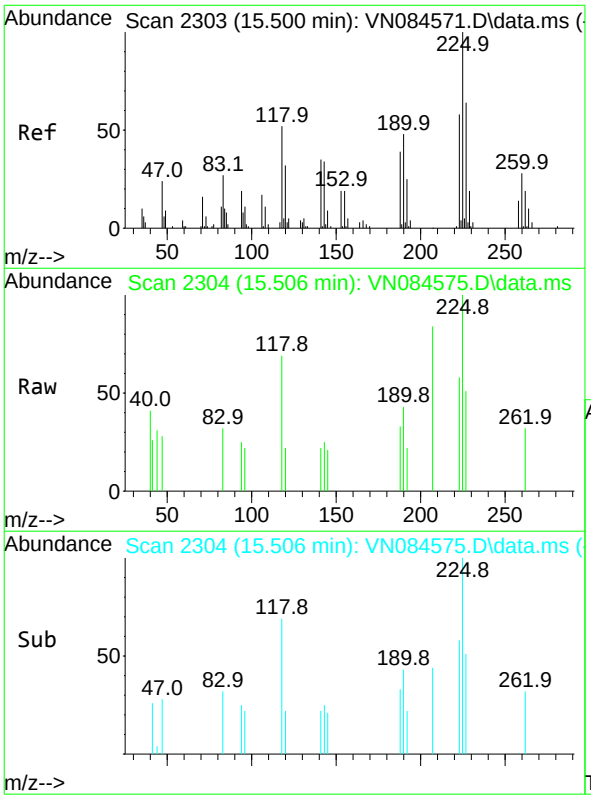
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	31.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

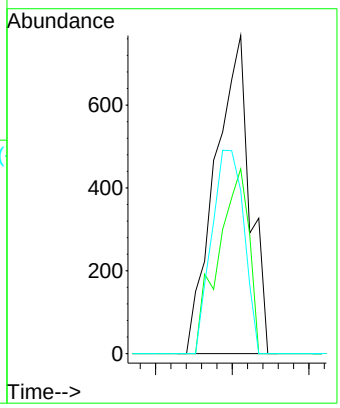
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

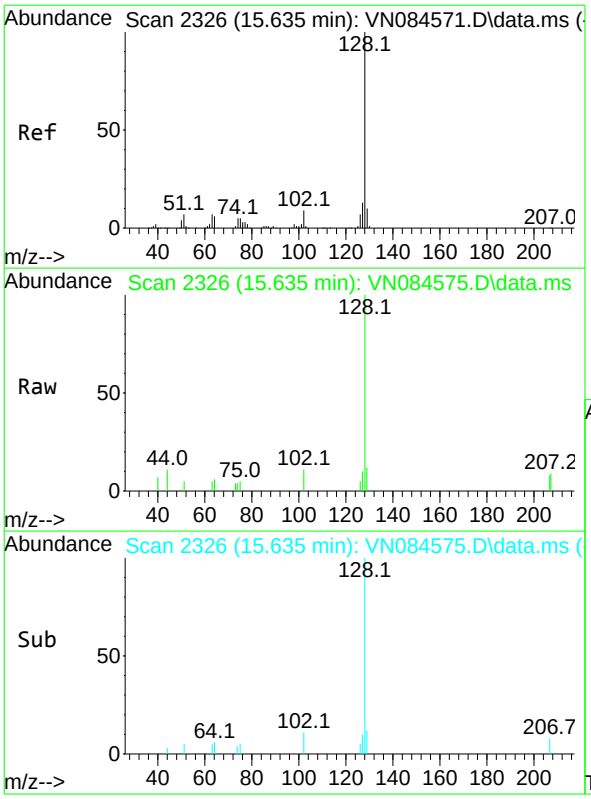


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:225 Resp: 1208

Ion	Ratio	Lower	Upper
225	100		
223	51.3	32.4	97.2
227	59.2	32.4	97.0

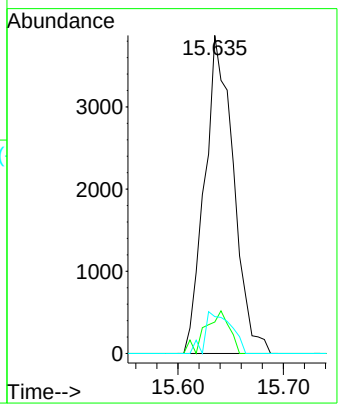




#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:128 Resp: 7352

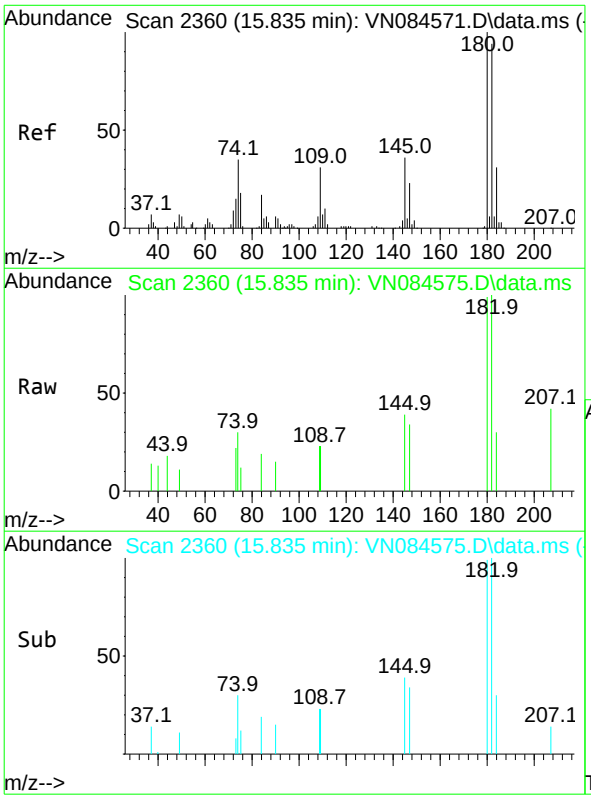
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

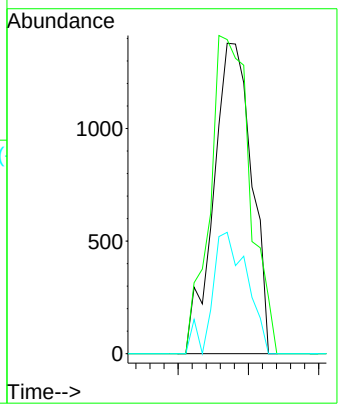
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2605

Ion	Ratio	Lower	Upper
180	100		
182	107.5	48.2	144.6
145	35.7	17.3	51.9



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

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

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

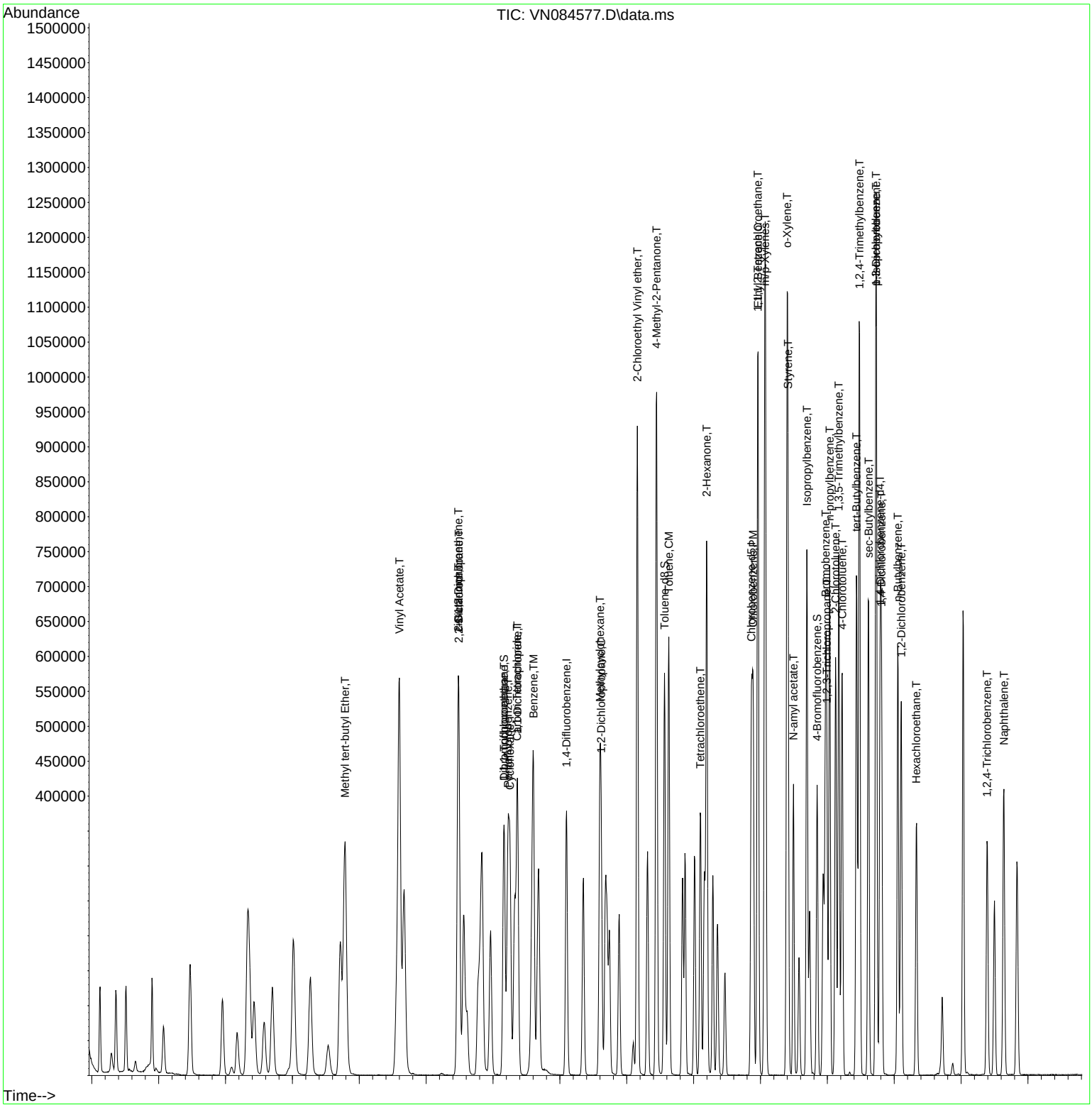
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

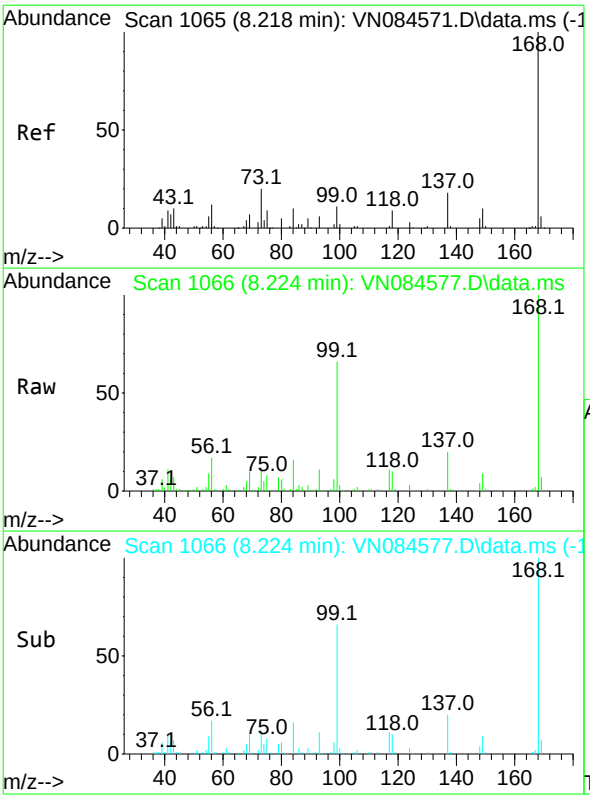
Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

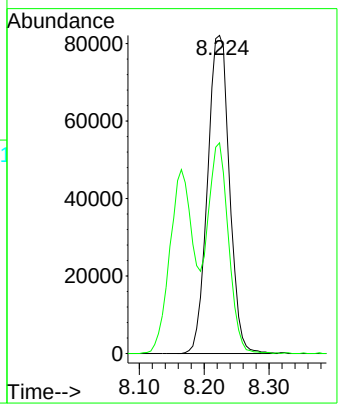




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:168 Resp: 192202

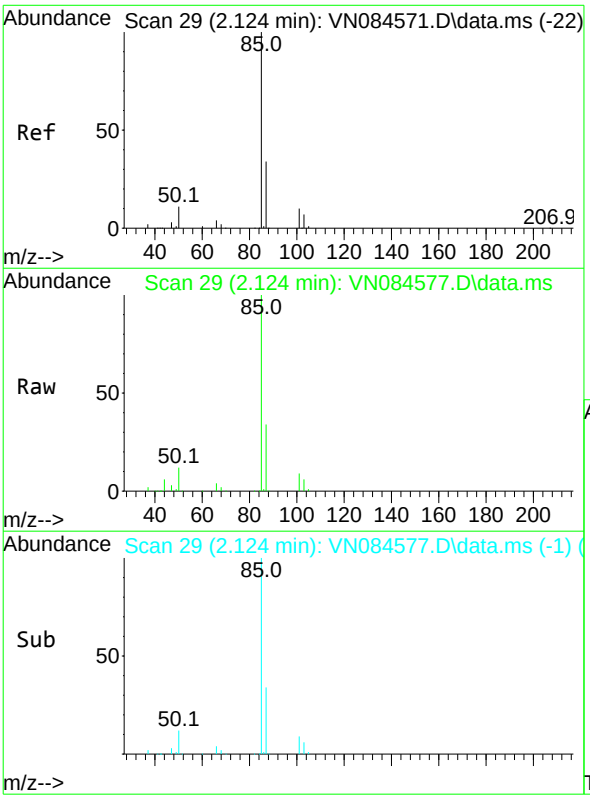
Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

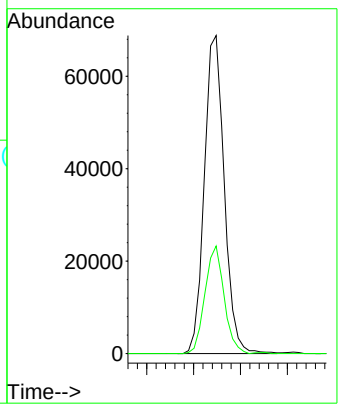
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

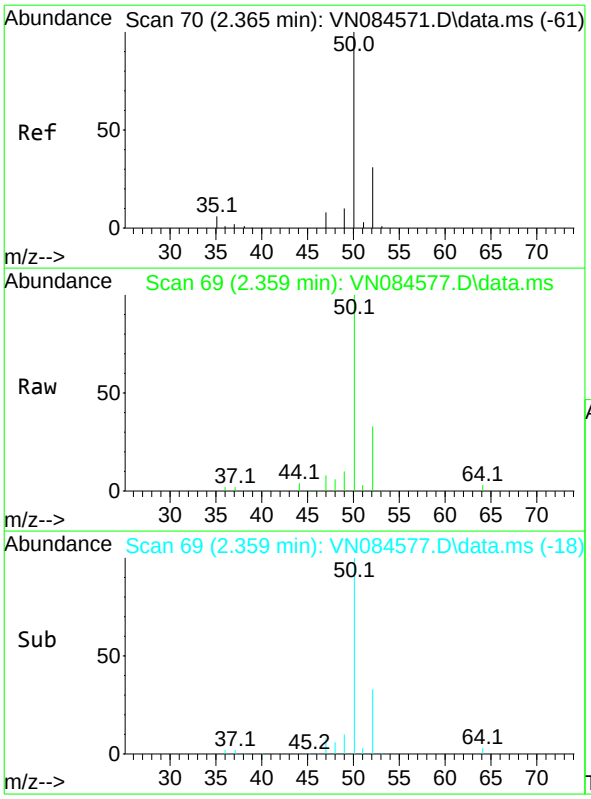


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

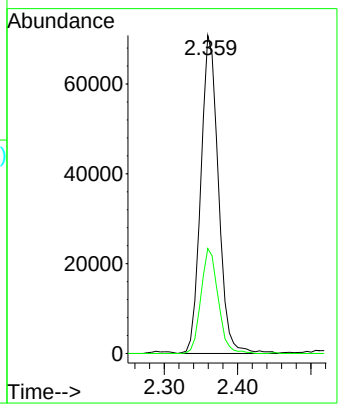




#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 50 Resp: 118060

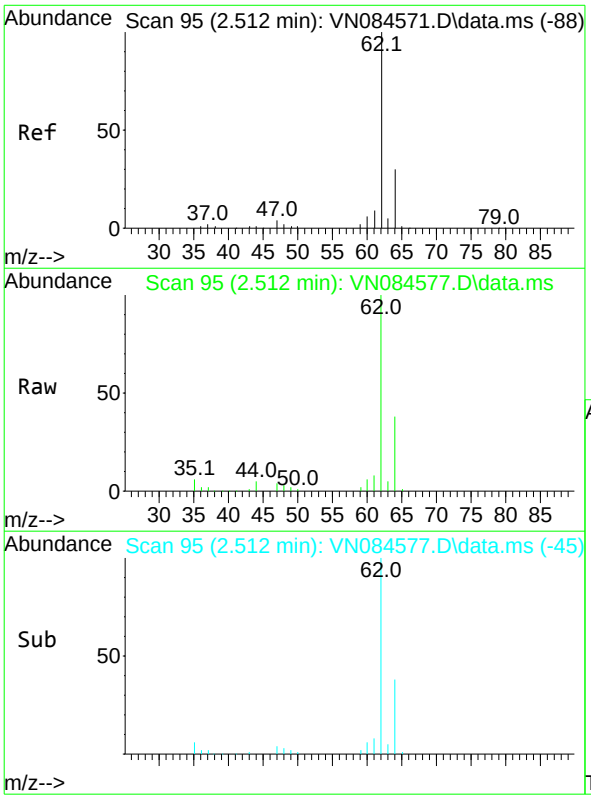
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

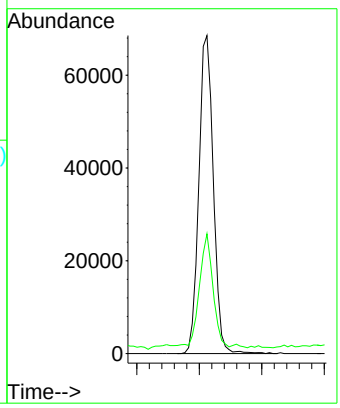
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

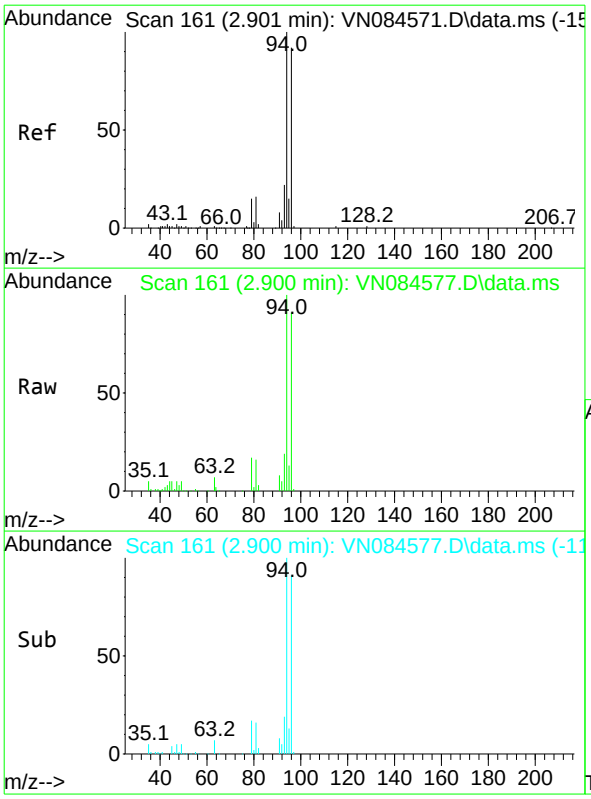


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4

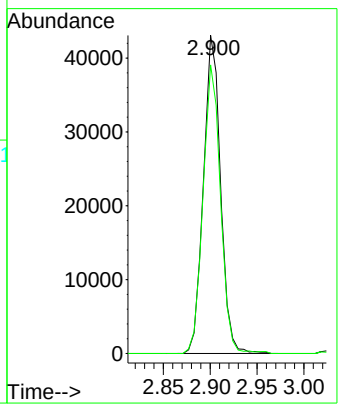




#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 94 Resp: 54764

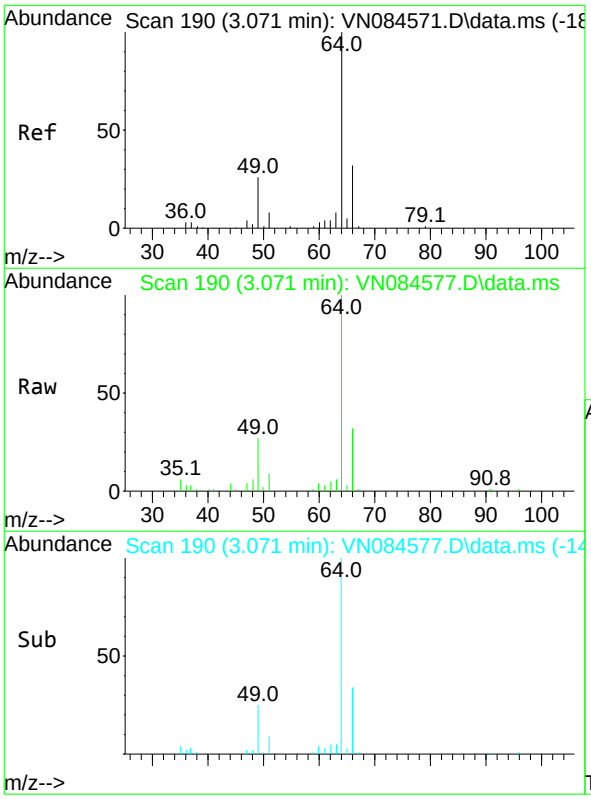
Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

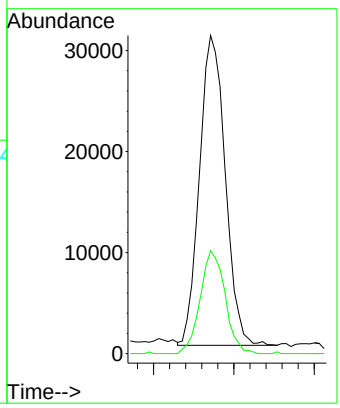
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

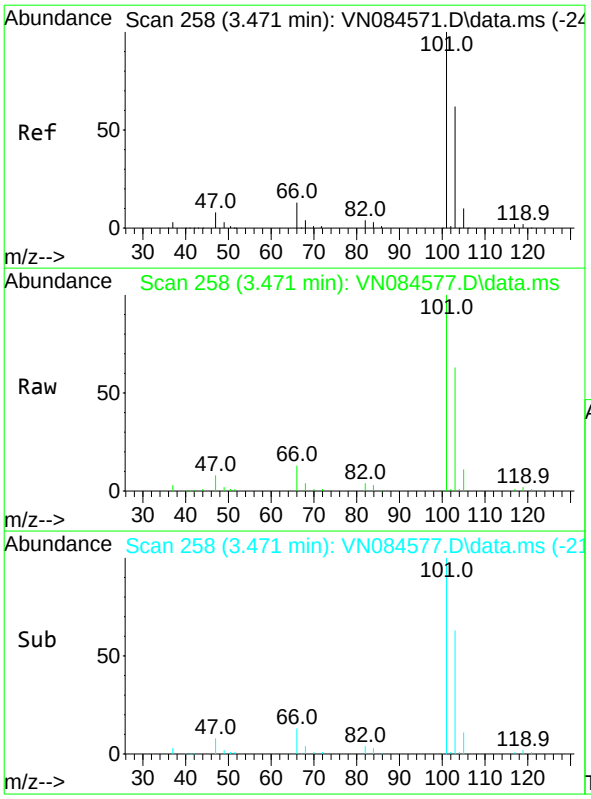


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3

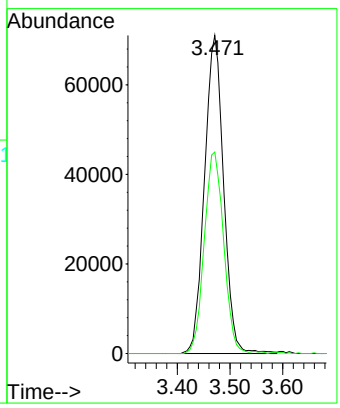




#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 178683

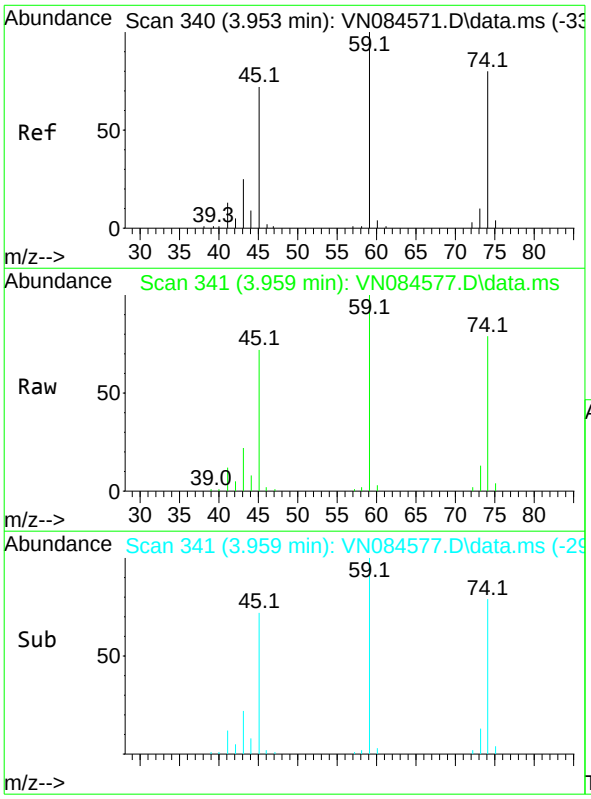
Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

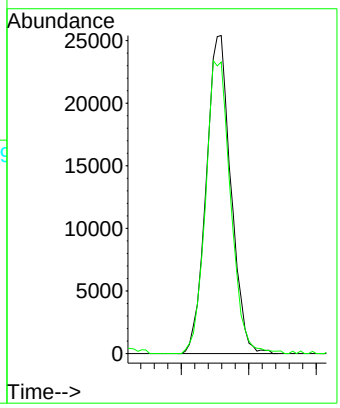
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

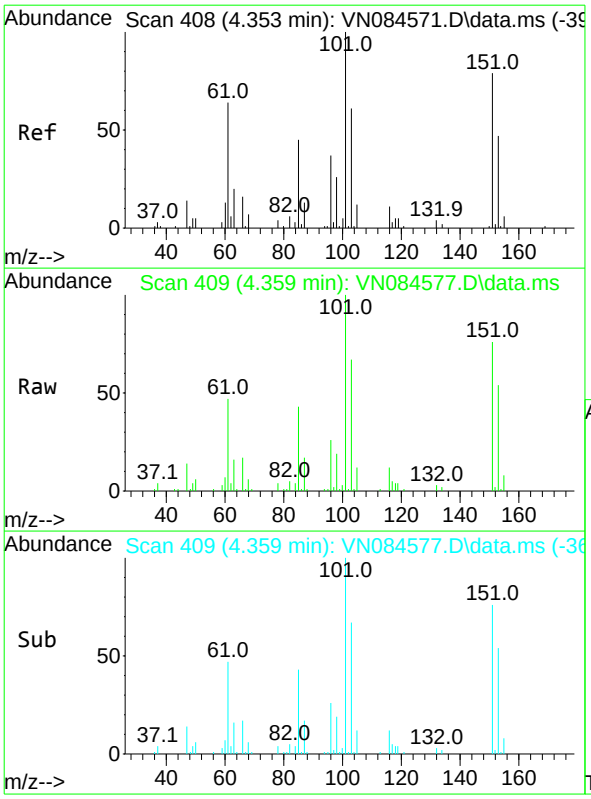


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1

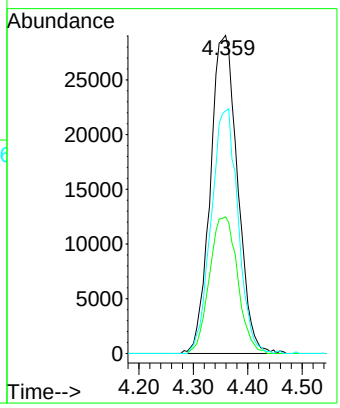




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 101094

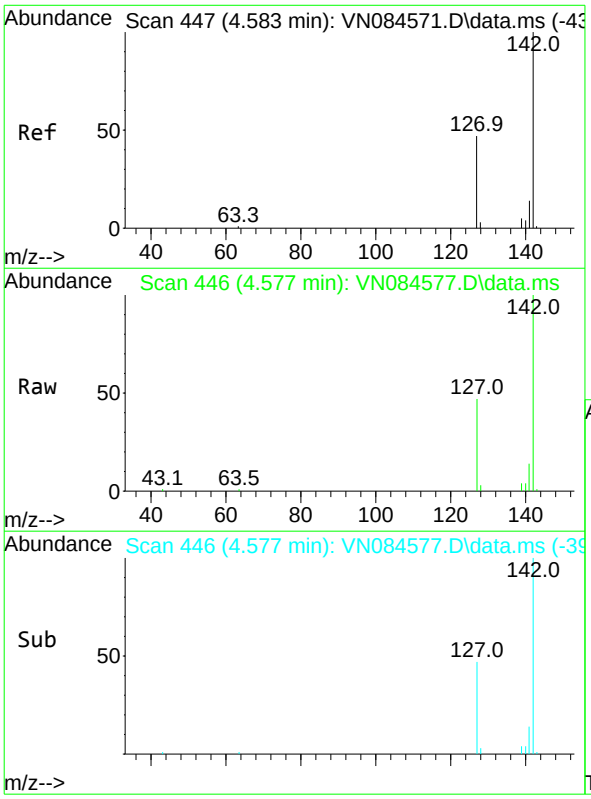
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

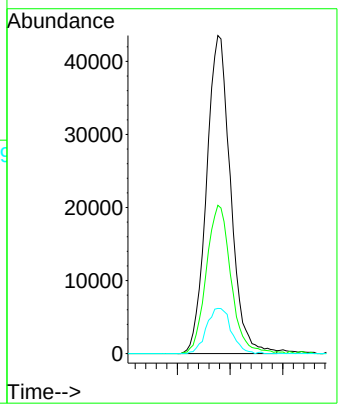
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

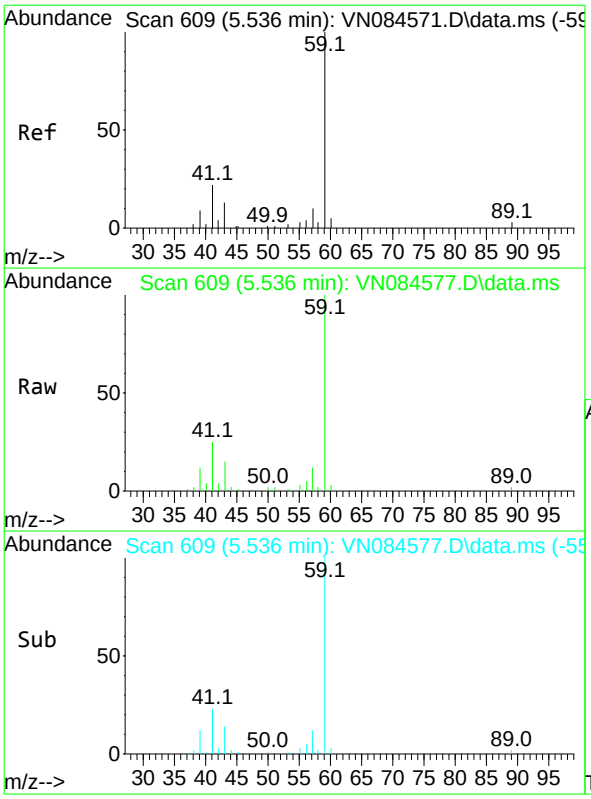


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:142 Resp: 137594

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.2	11.0	16.6

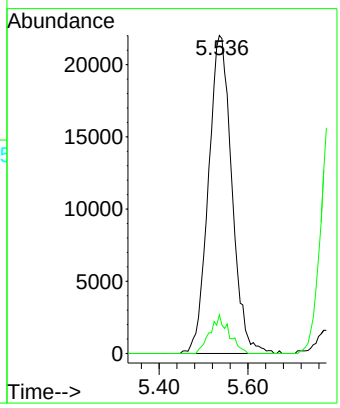




#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 59 Resp: 80556

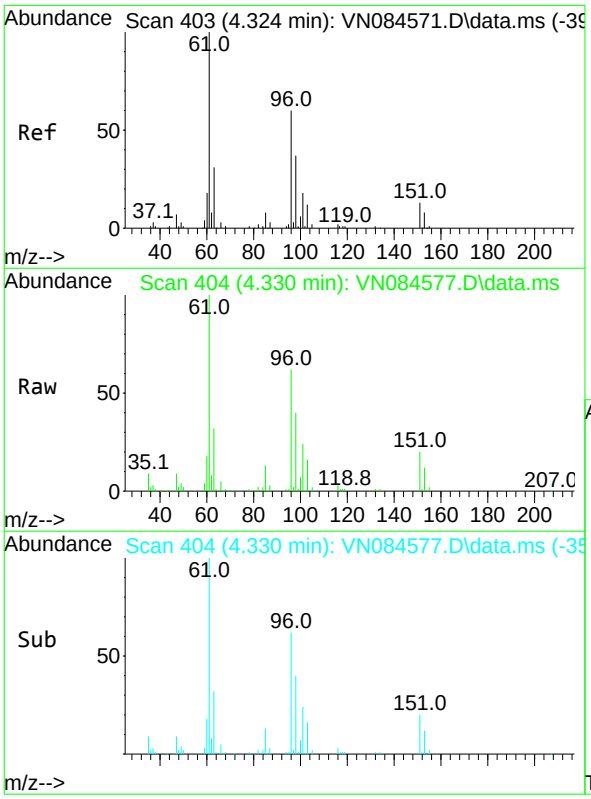
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

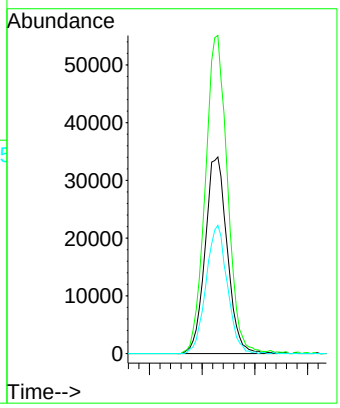
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

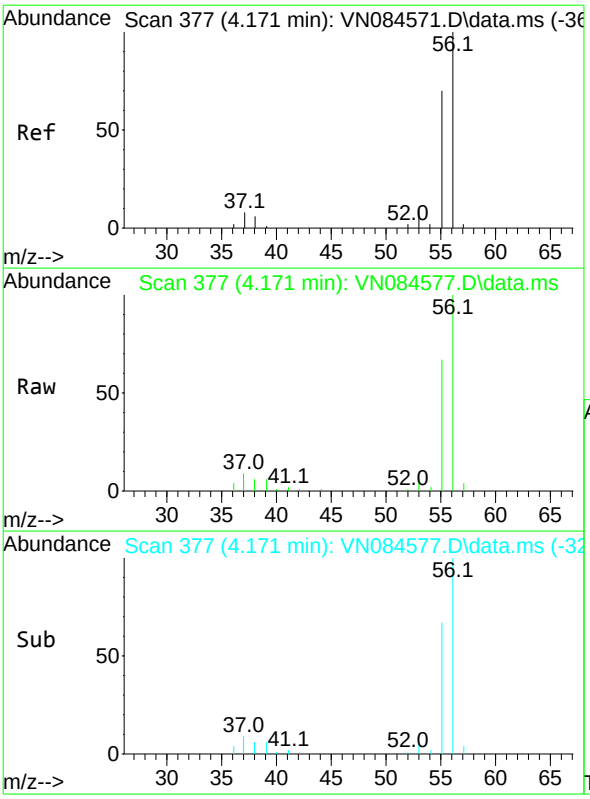


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 99235

Ion	Ratio	Lower	Upper
96	100		
61	161.8	128.6	192.8
98	65.3	51.7	77.5

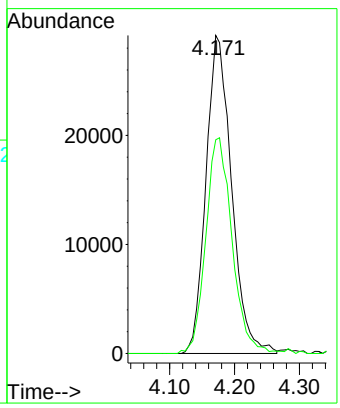




#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 79788

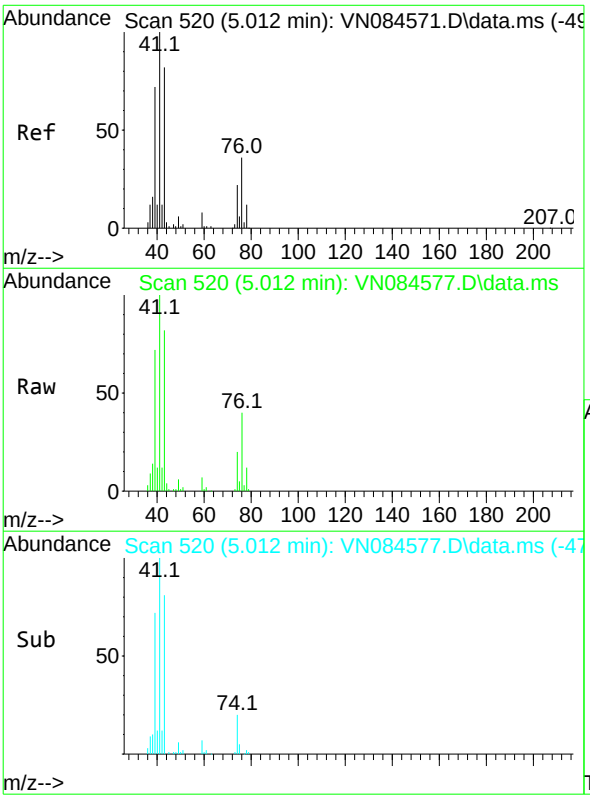
Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

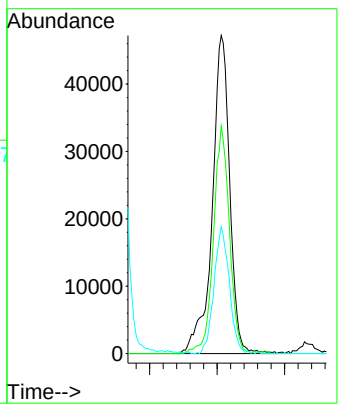
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

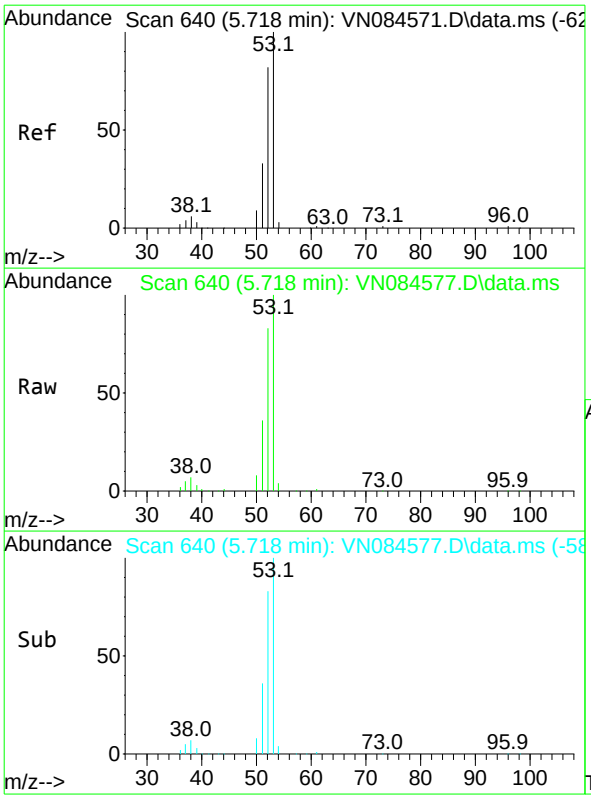


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 170293

Ion	Ratio	Lower	Upper
41	100		
39	65.0	59.0	88.6
76	34.8	29.8	44.6

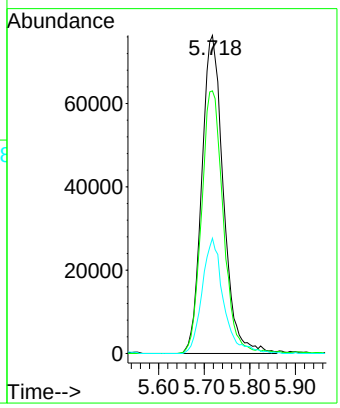




#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 53 Resp: 251141

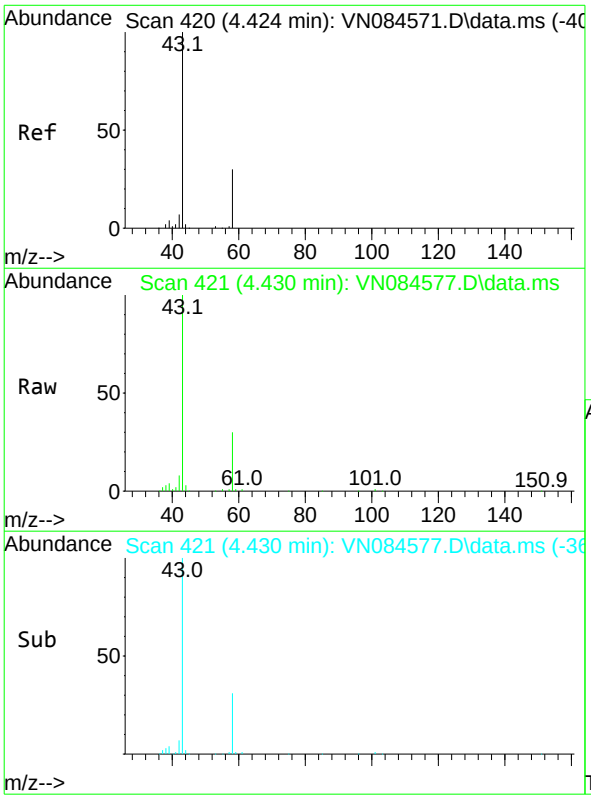
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.9	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

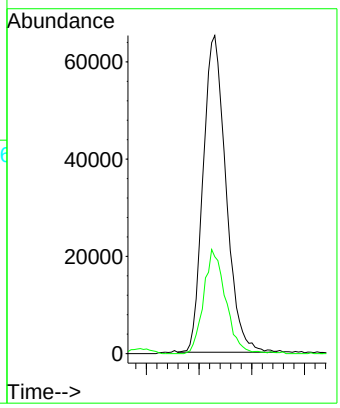
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

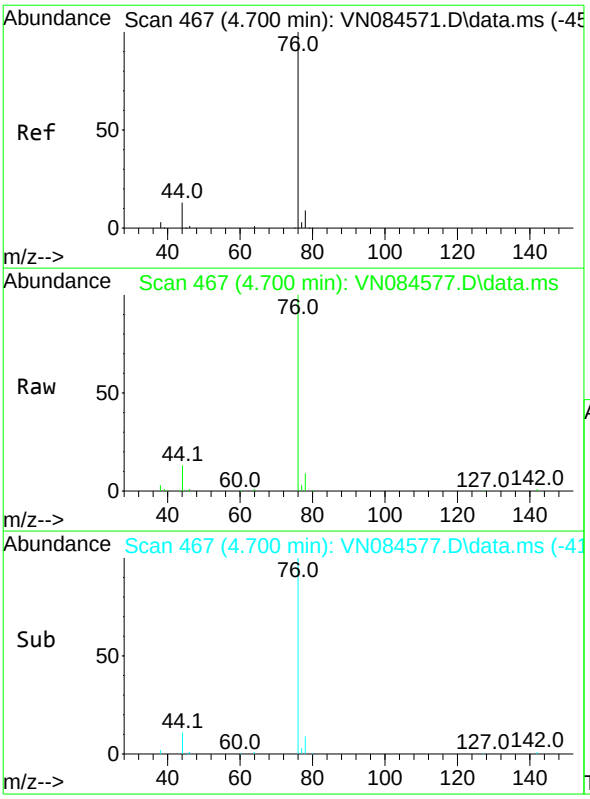


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6

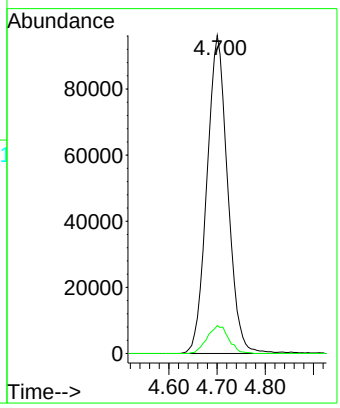




#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 287697

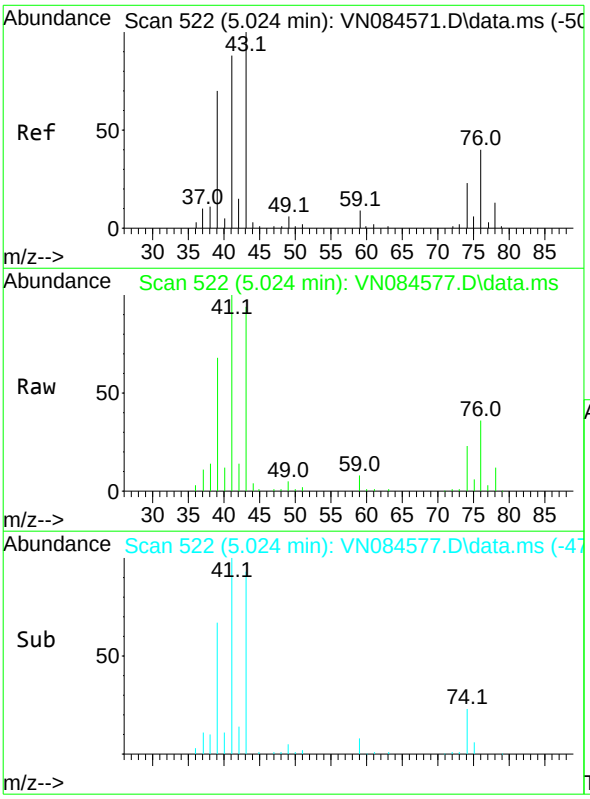
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

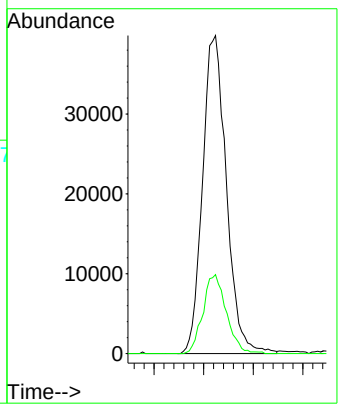
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

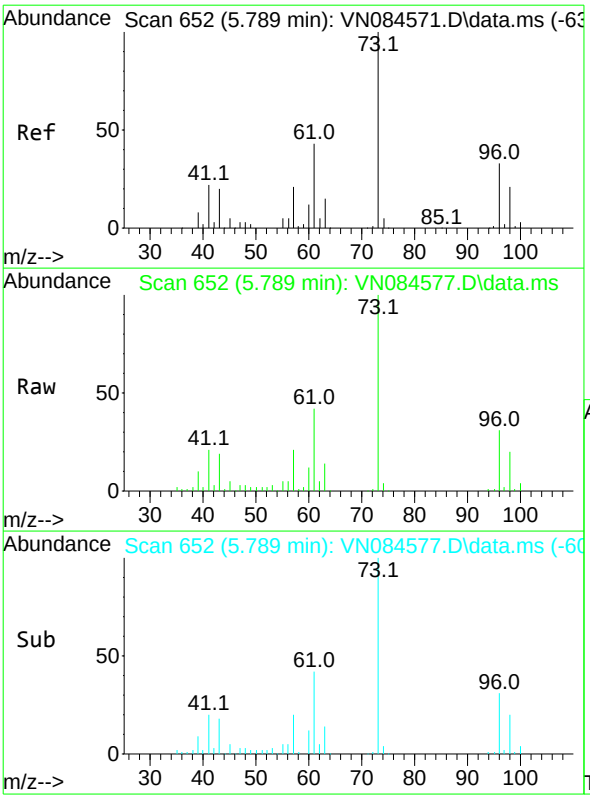


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

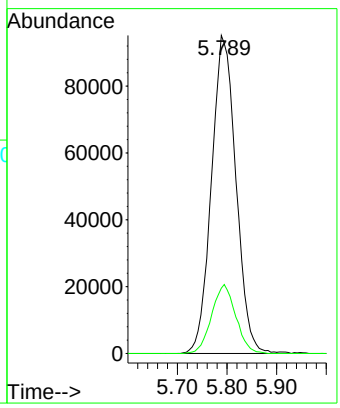




#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 73 Resp: 326067

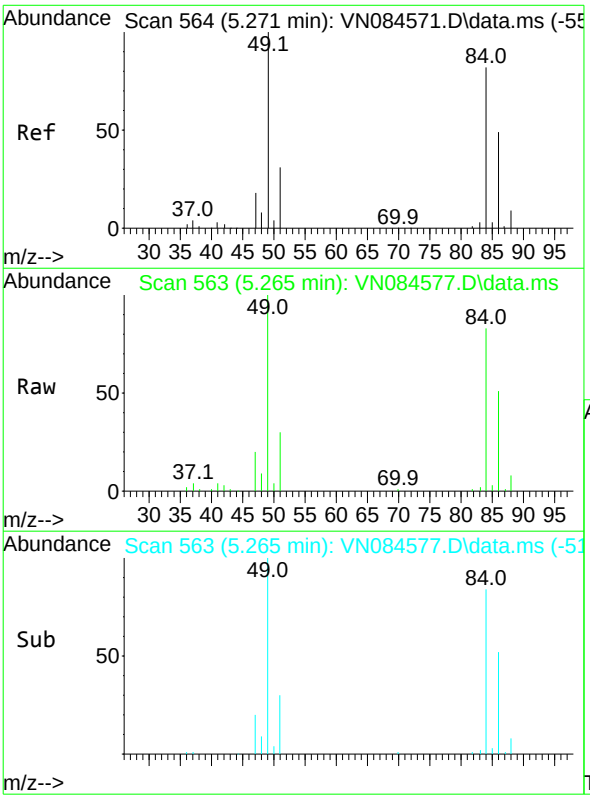
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

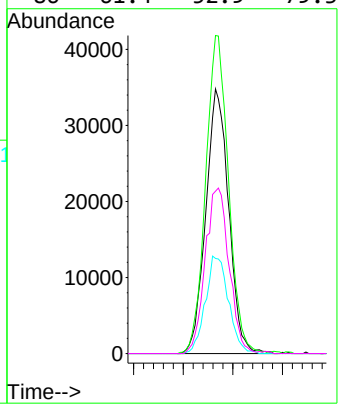
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

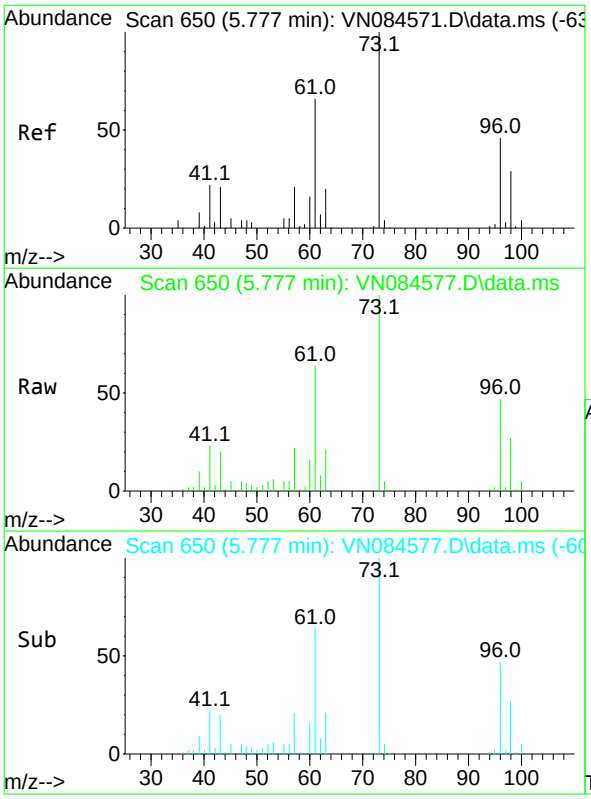


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 84 Resp: 111618

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.0	31.8	47.8
86	61.4	52.9	79.3

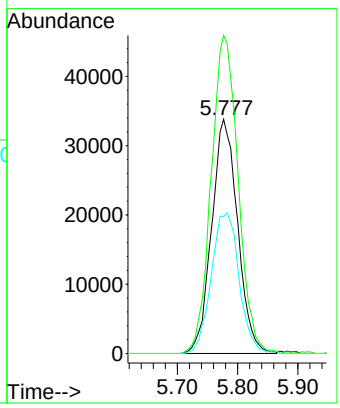




#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 101181

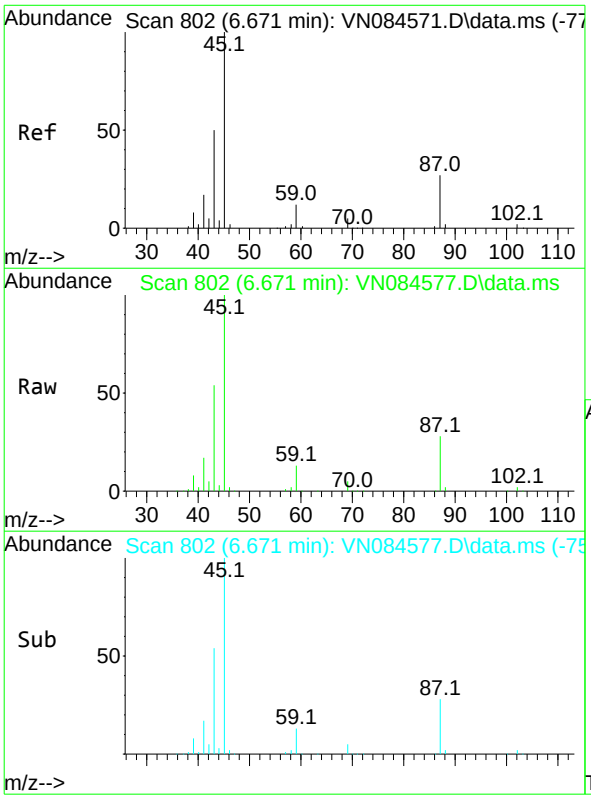
Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.4	162.6
98	58.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

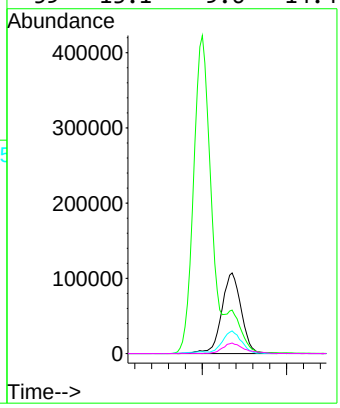
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

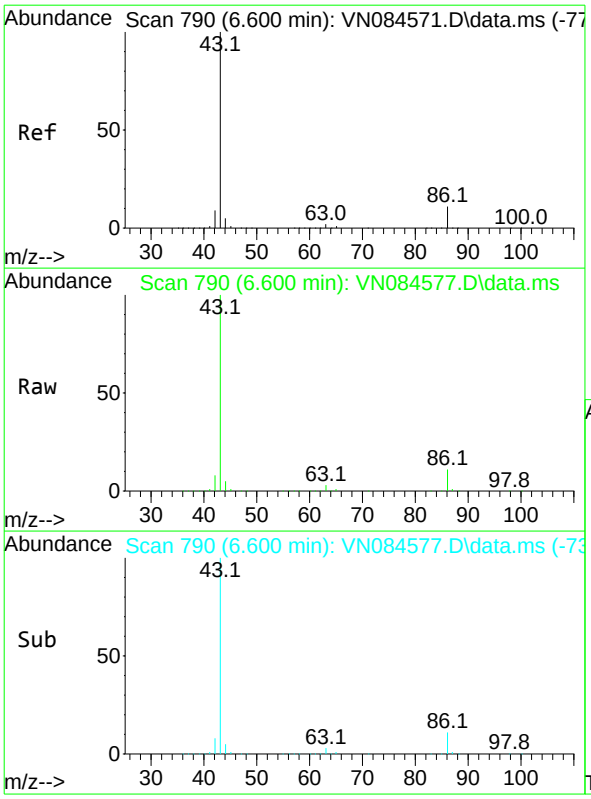


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 45 Resp: 343763

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.1	21.8	32.6
59	13.1	9.6	14.4

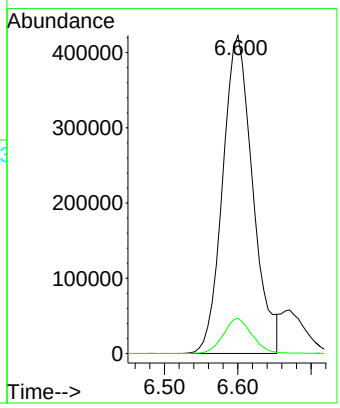




#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 1204384

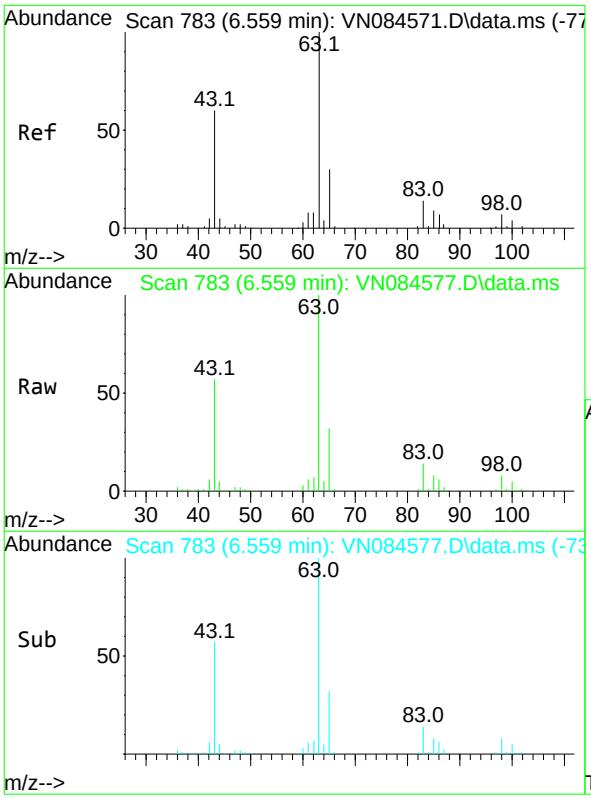
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

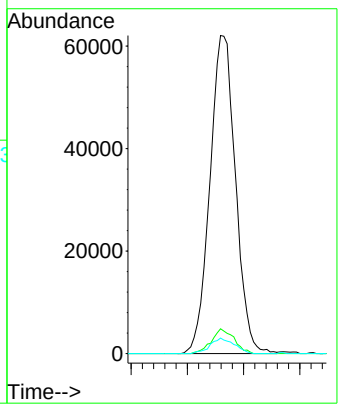
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

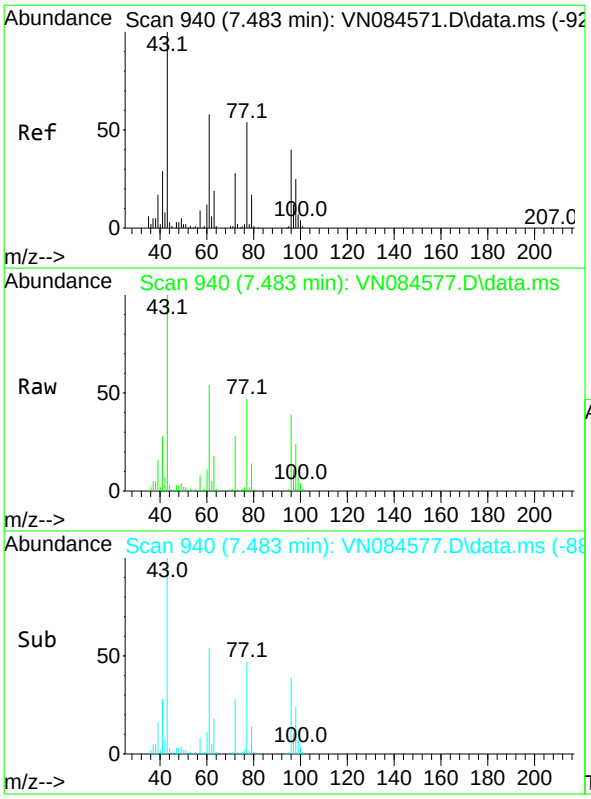


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 196518

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	4.9	2.0	5.8

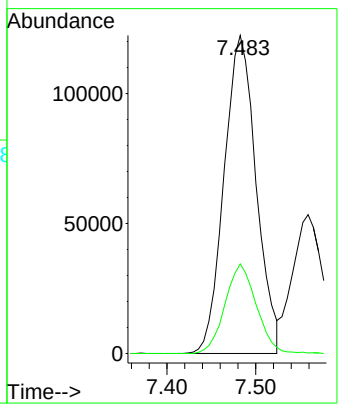




#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 307765

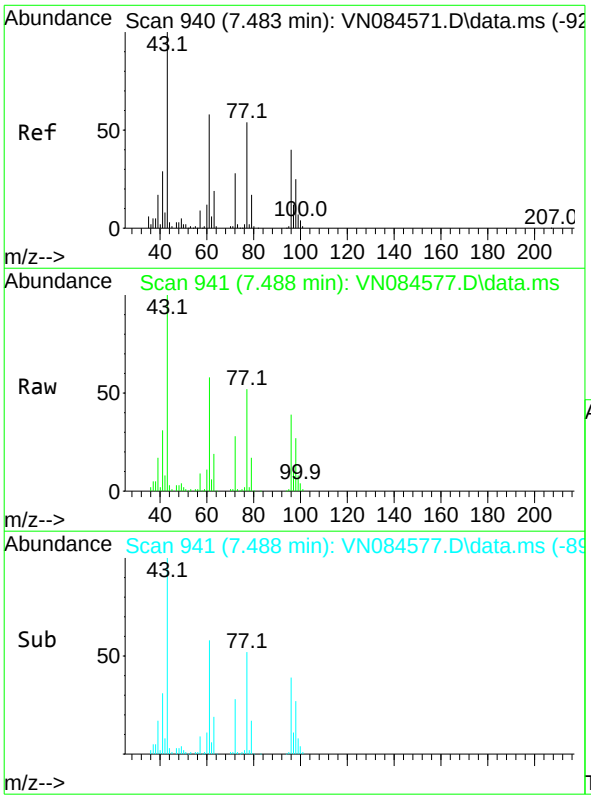
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

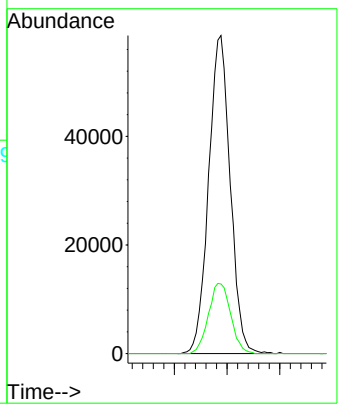
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

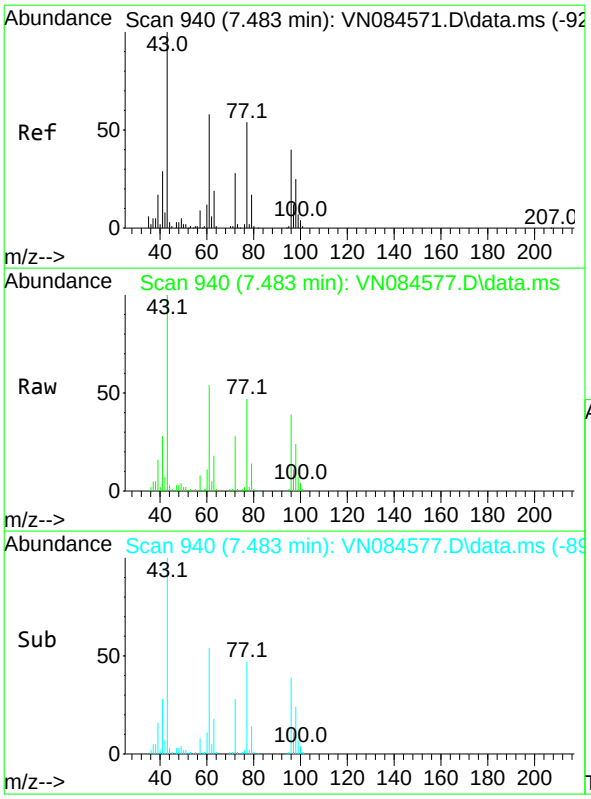


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3

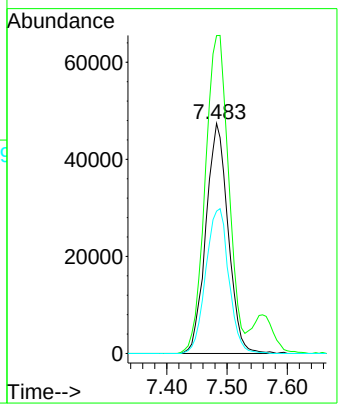




#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 121280

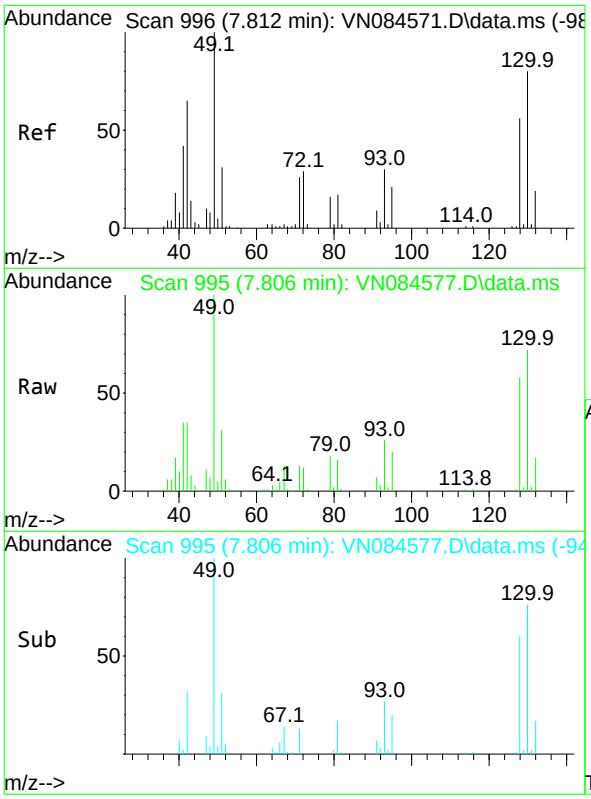
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.8
98	65.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

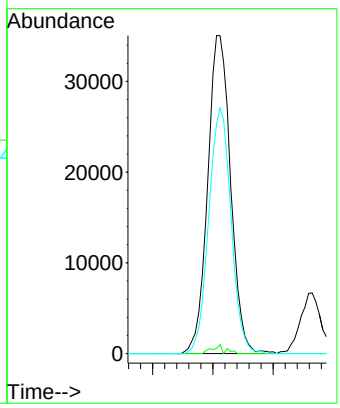
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

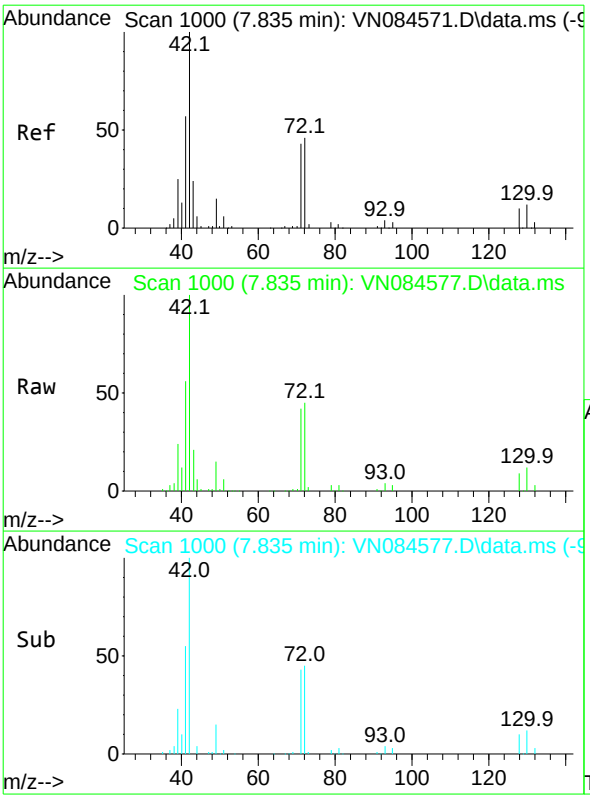


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 49 Resp: 92741

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.0	58.0	87.0

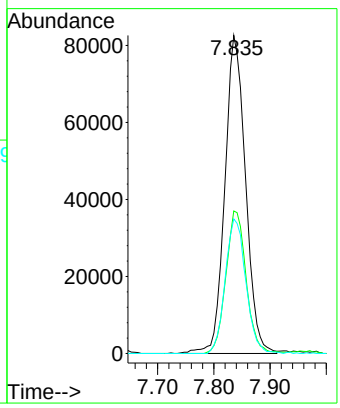




#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 42 Resp: 211210

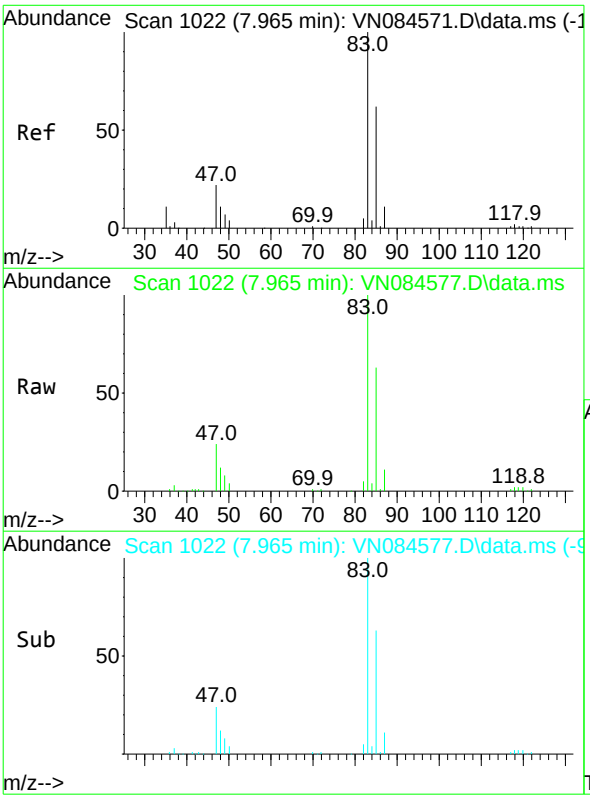
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	42.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

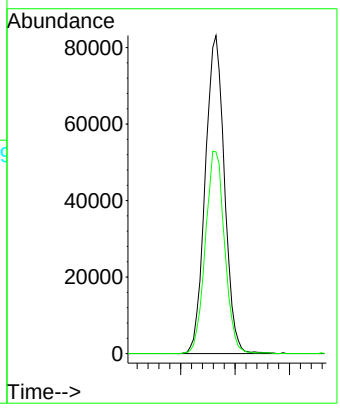
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

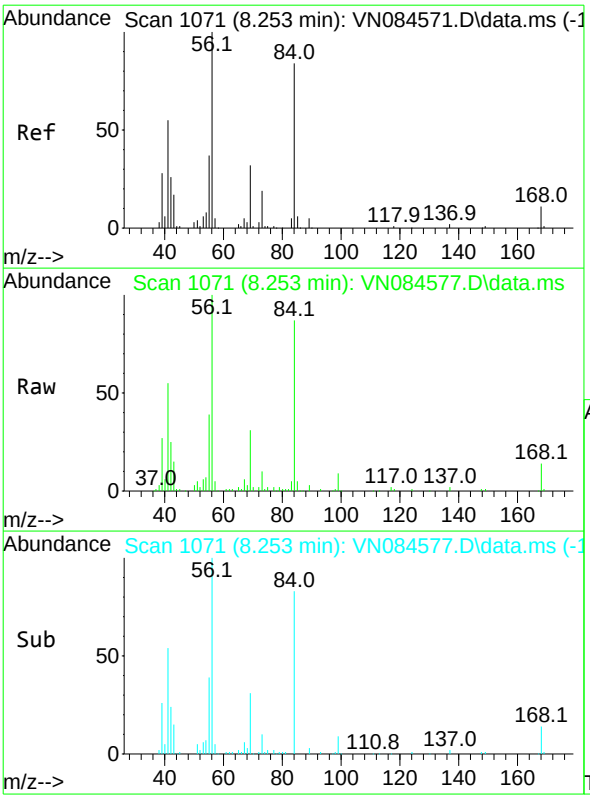


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

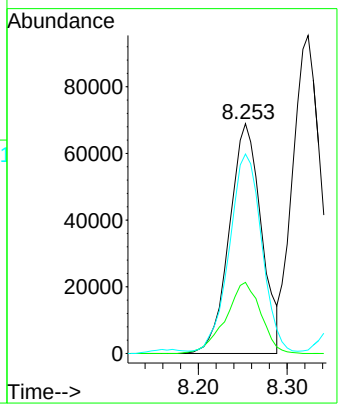




#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 172671

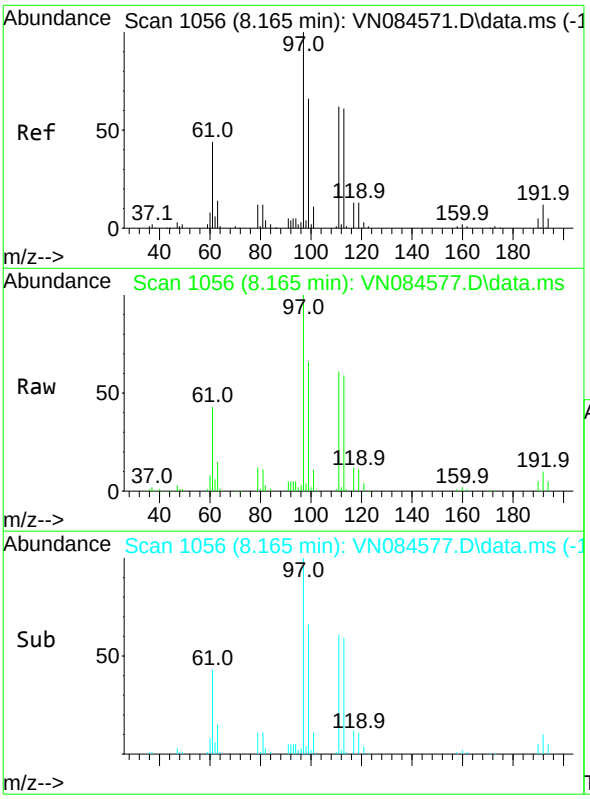
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

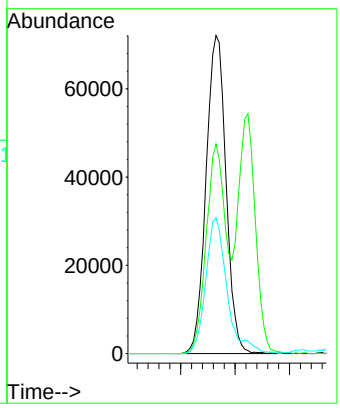
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

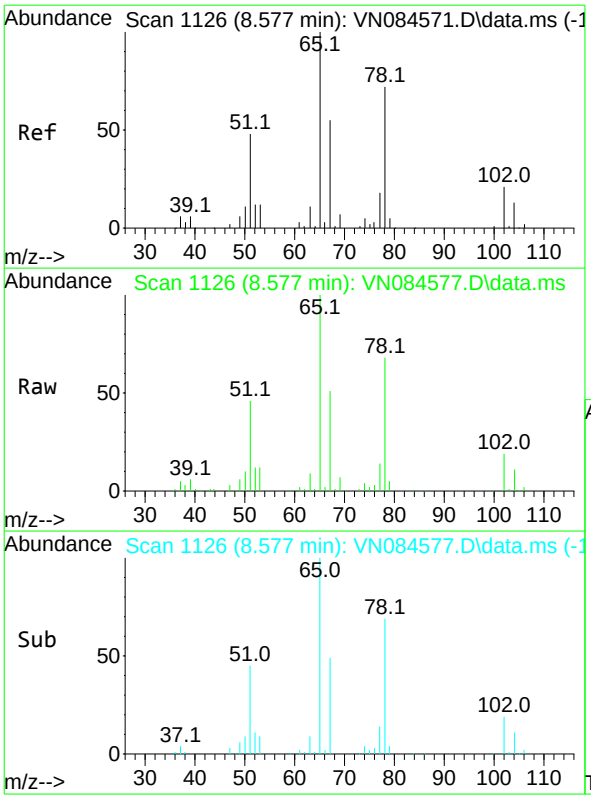


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 183488

Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.2	76.8
61	45.6	37.5	56.3

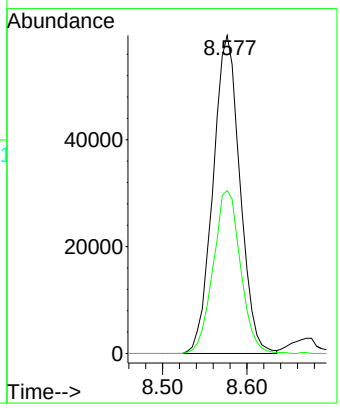




#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 65 Resp: 132029

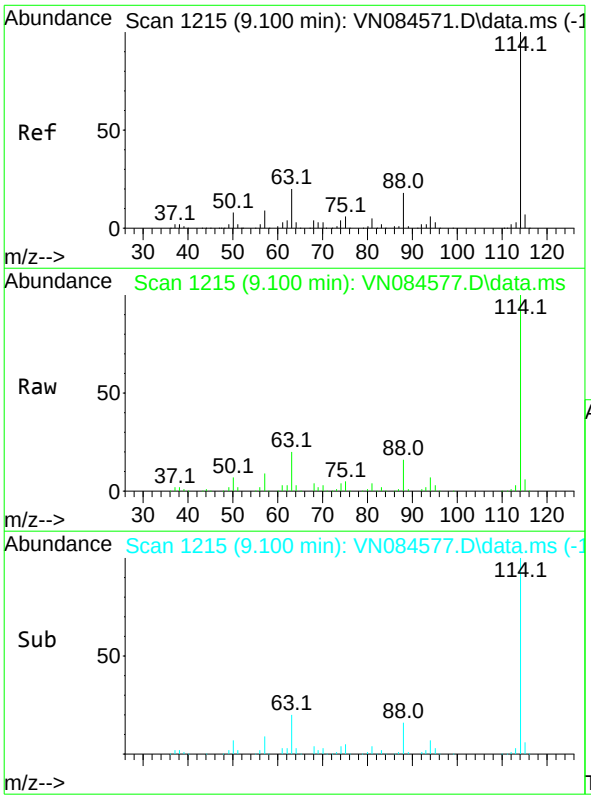
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

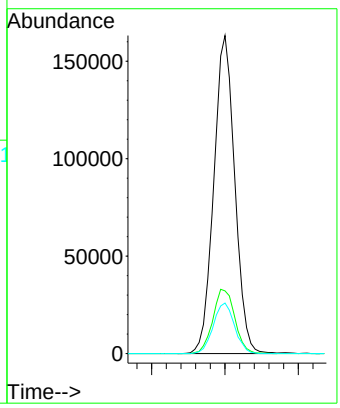
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

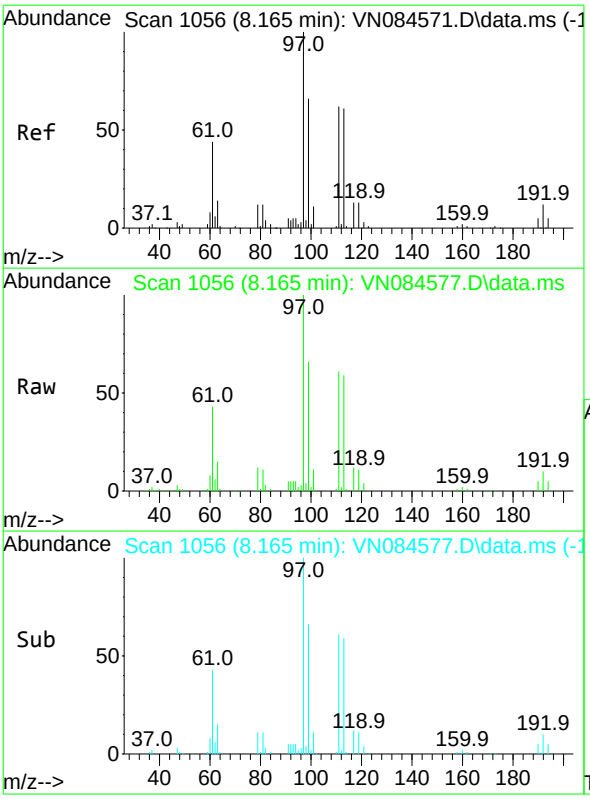


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:114 Resp: 324264

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	15.9	0.0	31.6

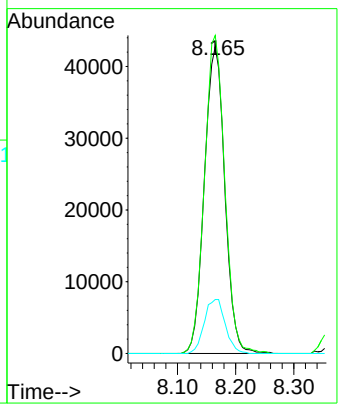




#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:113 Resp: 104306

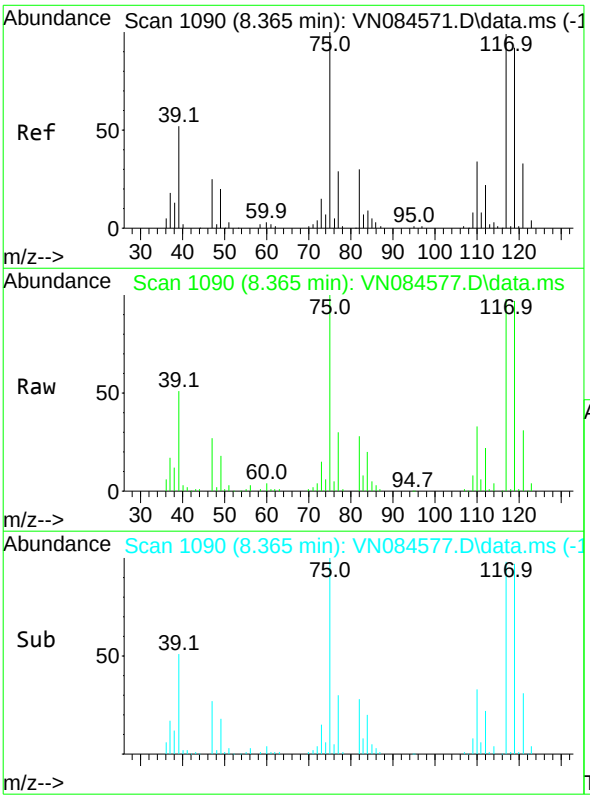
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.1	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

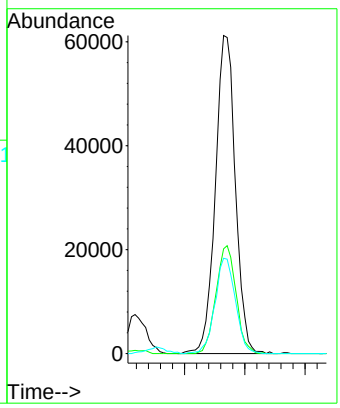
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

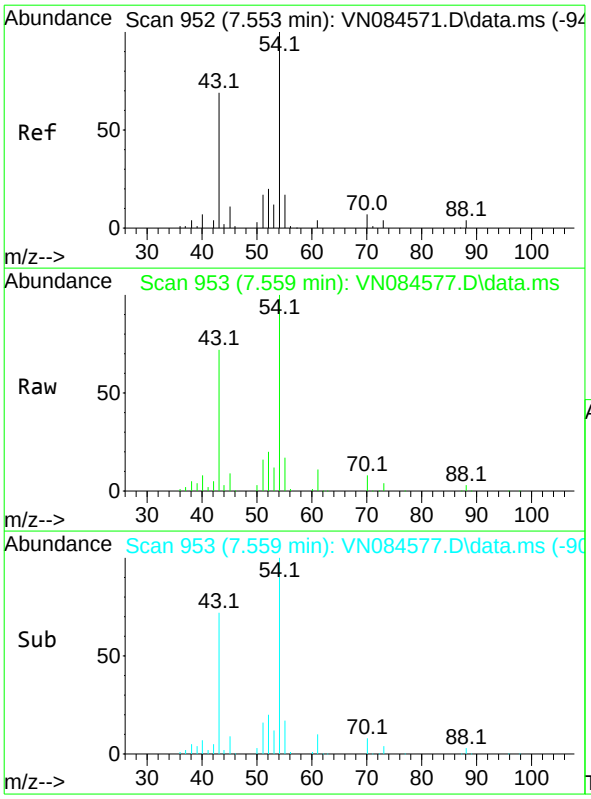


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 141152

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.7	24.7	37.1

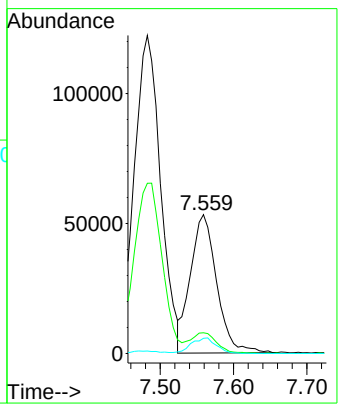




#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132993

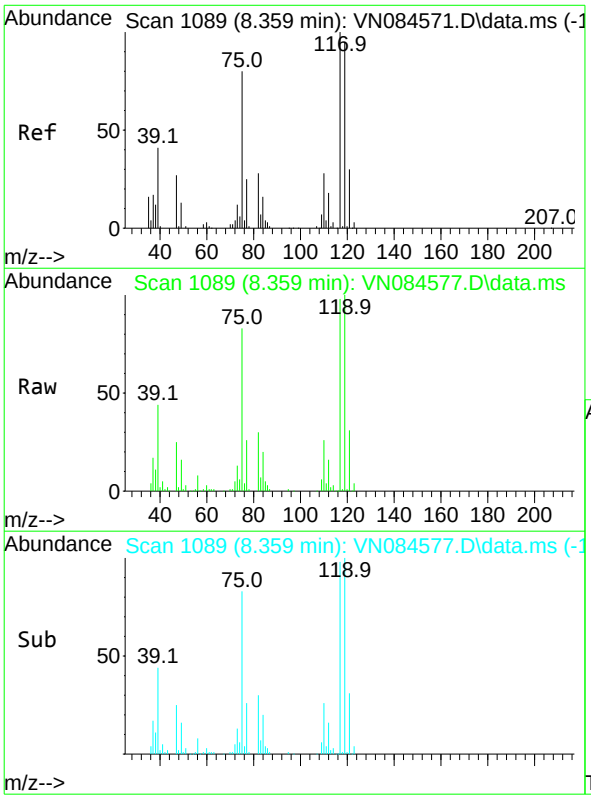
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

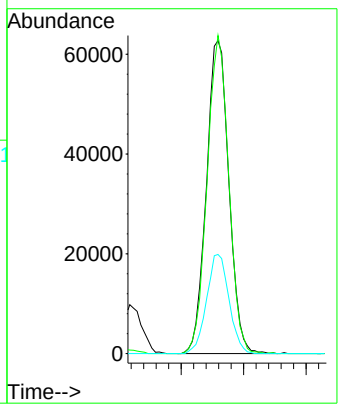
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

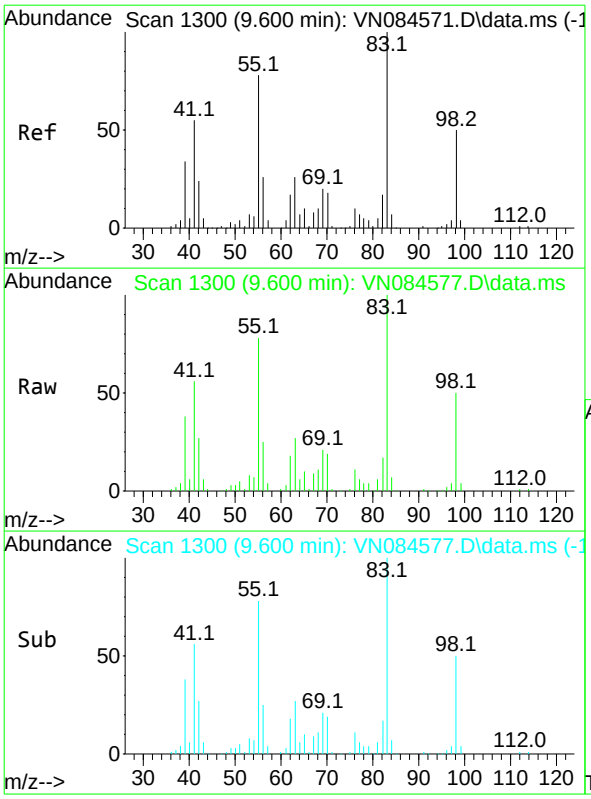


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 157005

Ion	Ratio	Lower	Upper
117	100		
119	101.6	78.7	118.1
121	31.7	24.4	36.6

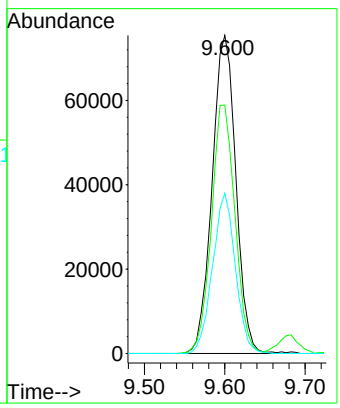




#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 154743

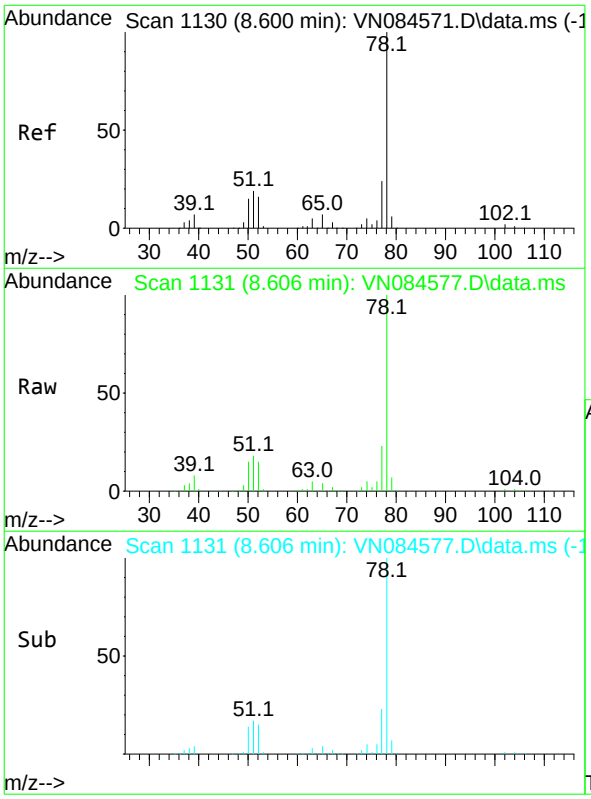
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	50.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

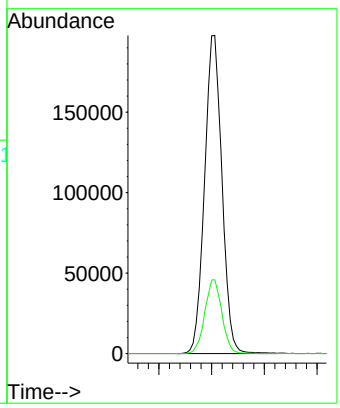
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

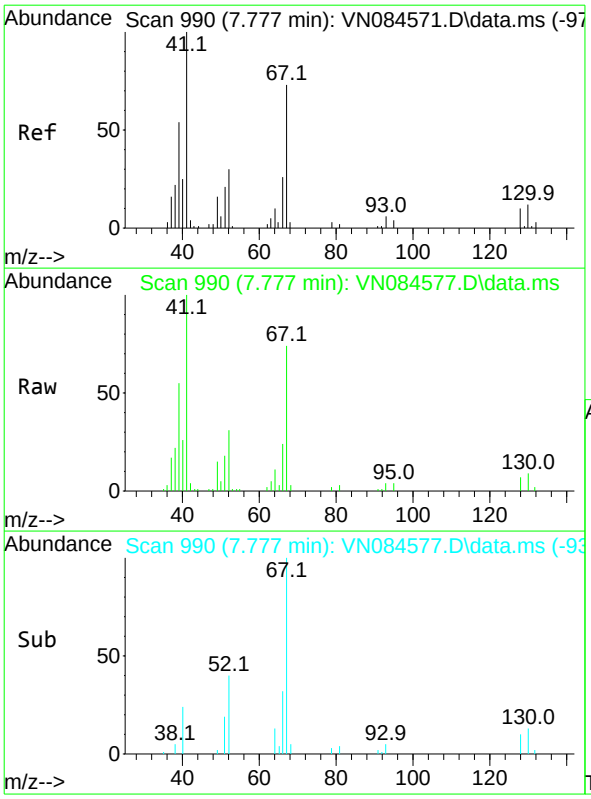


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

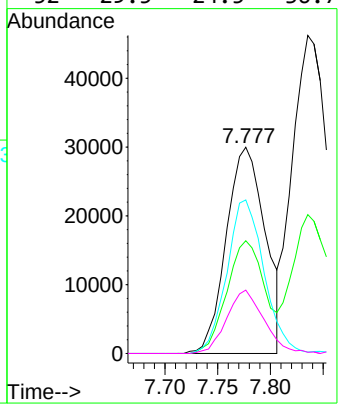




#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 77176

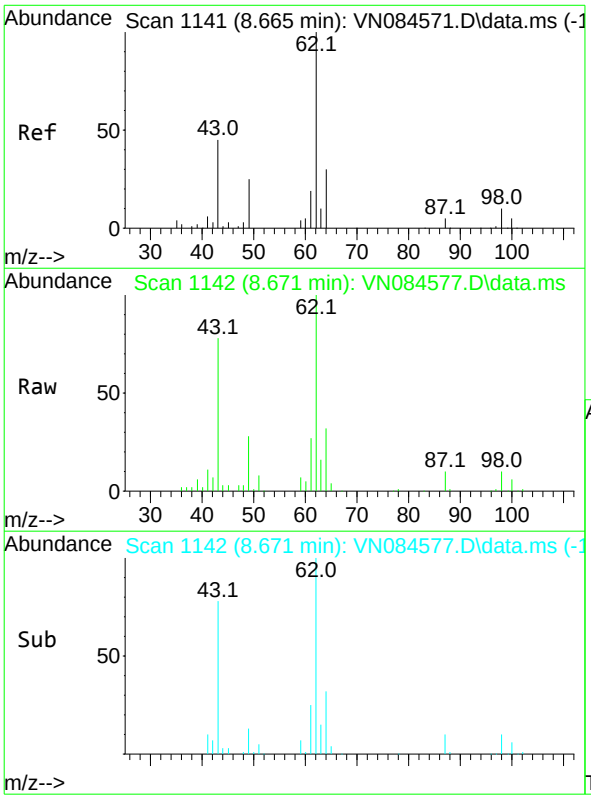
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	71.3	56.1	84.1
52	29.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

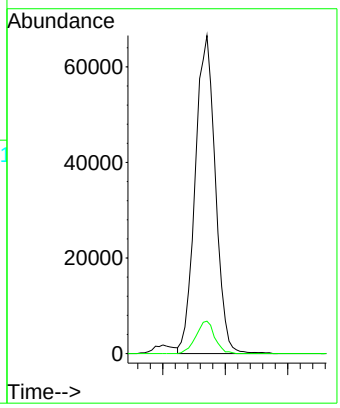
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

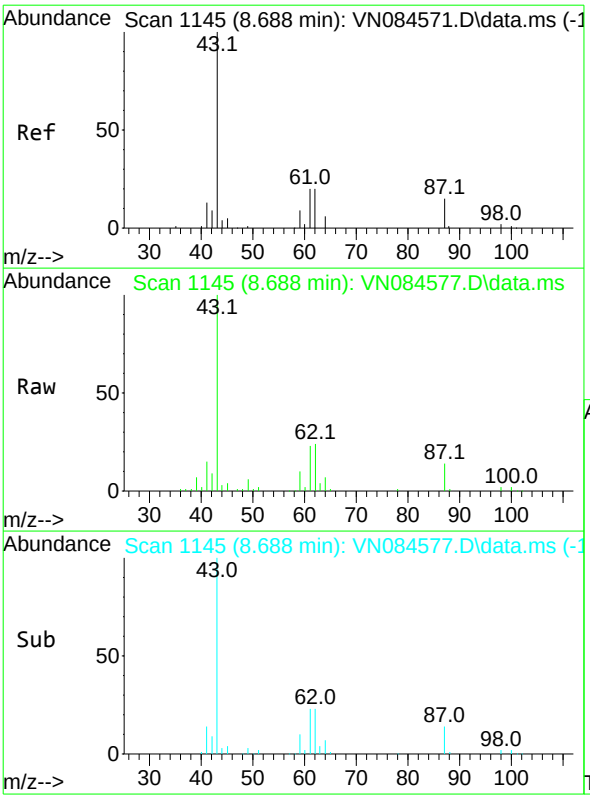


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

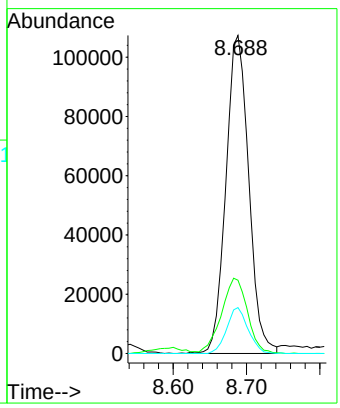




#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 232558

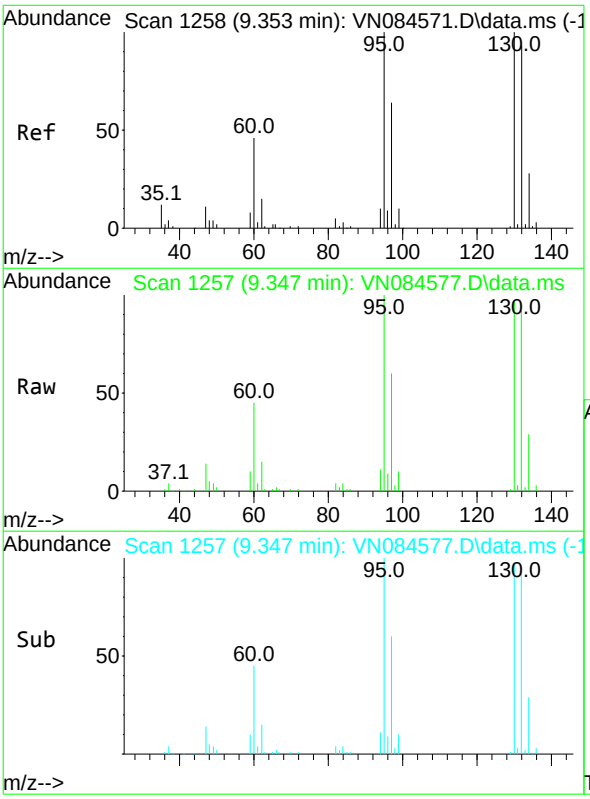
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

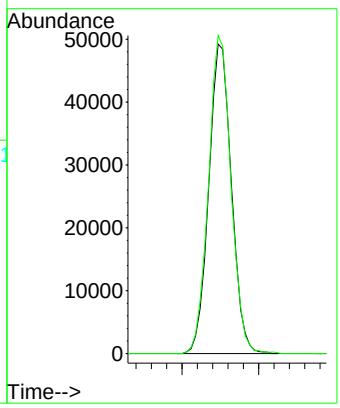
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

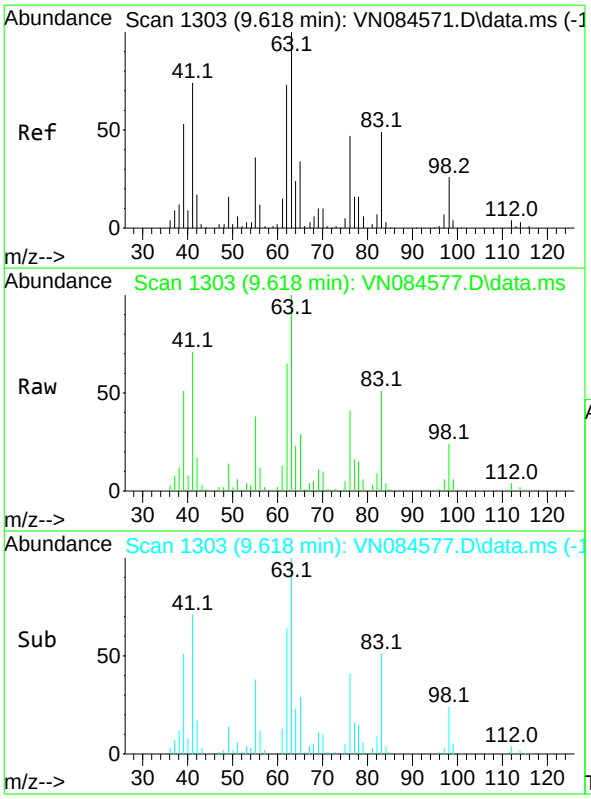


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0

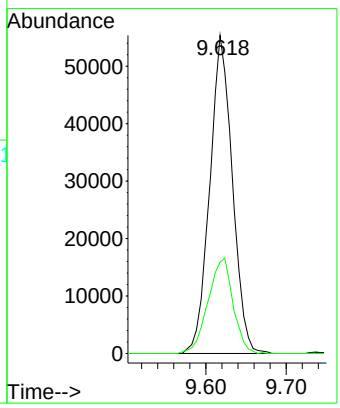




#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 108229

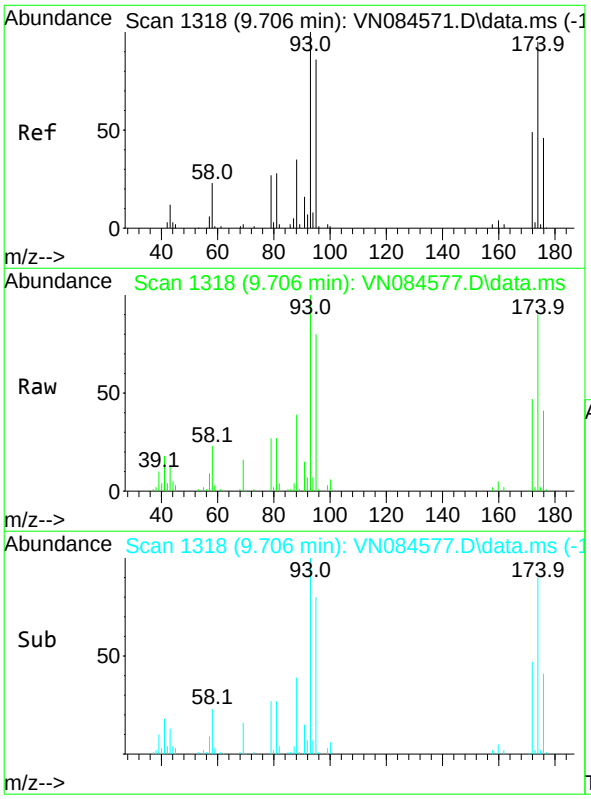
Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

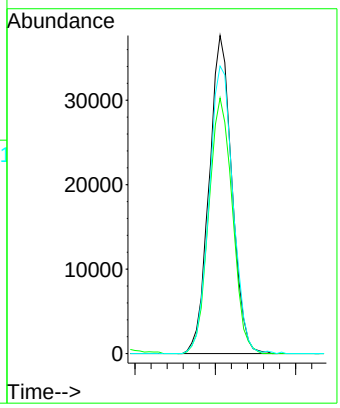
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

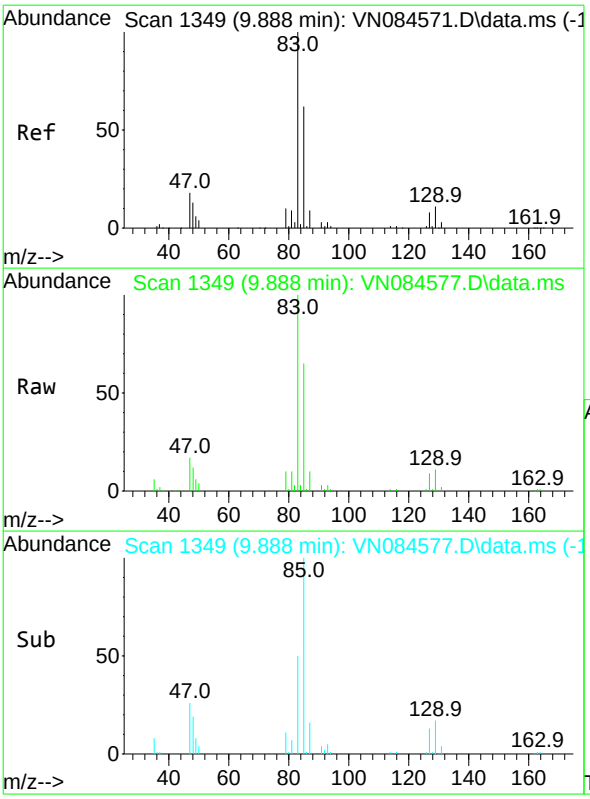


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 93 Resp: 74292

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	94.6	71.8	107.8

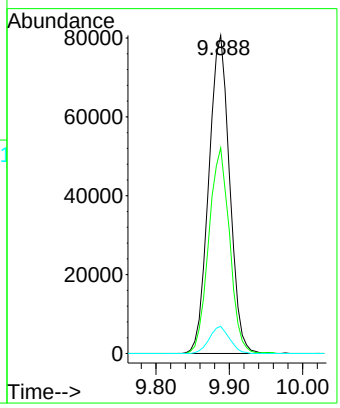




#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 158814

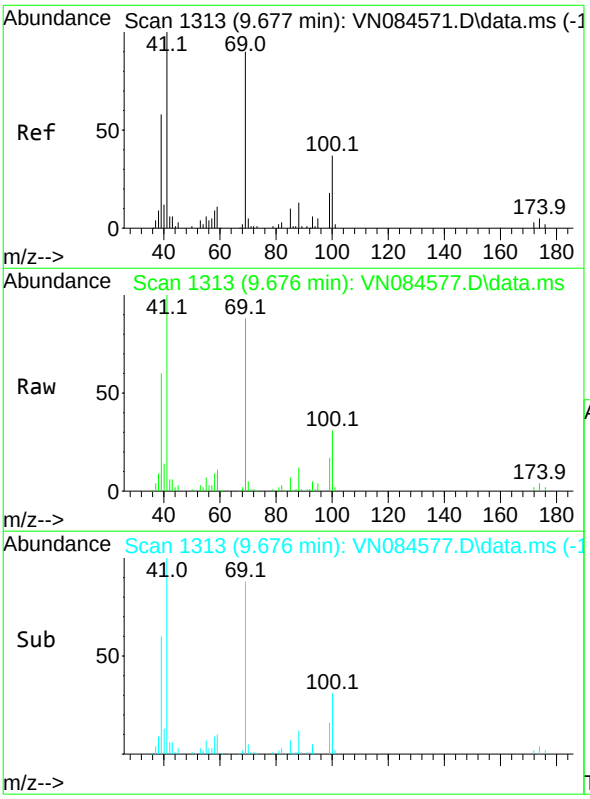
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

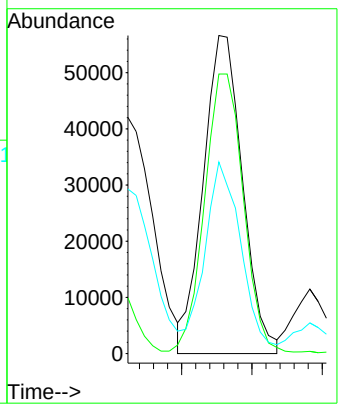
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

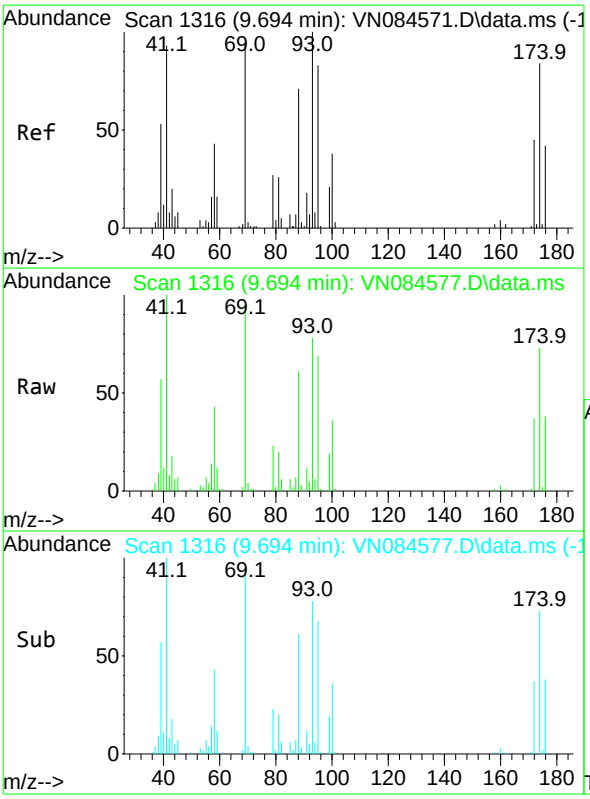


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 109745

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.5	45.8	68.6

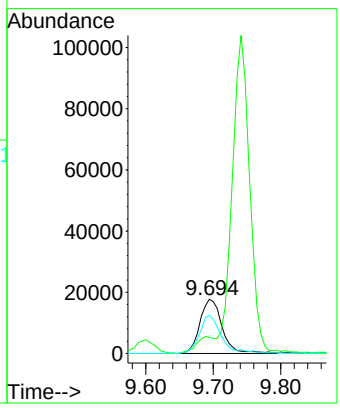




#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 88 Resp: 40527

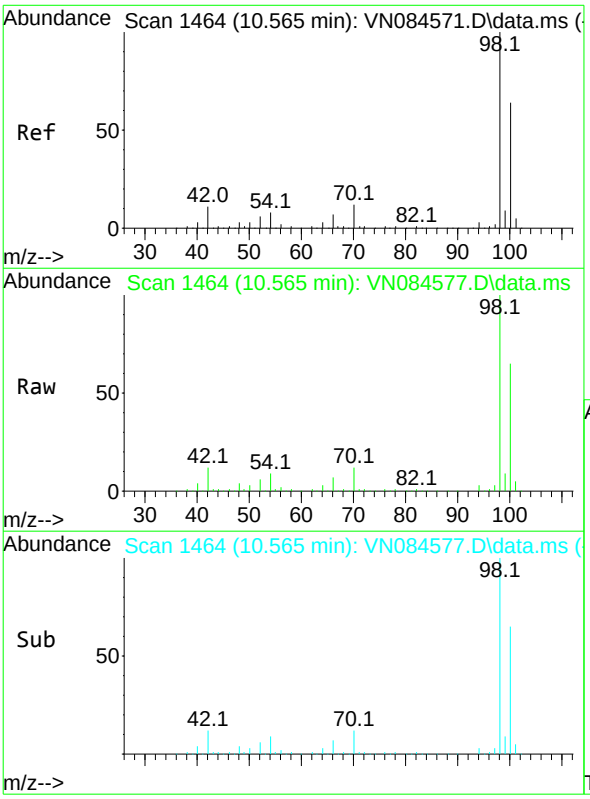
Ion	Ratio	Lower	Upper
88	100		
43	24.5	25.3	37.9#
58	69.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

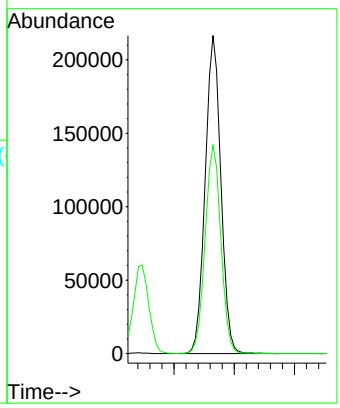
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

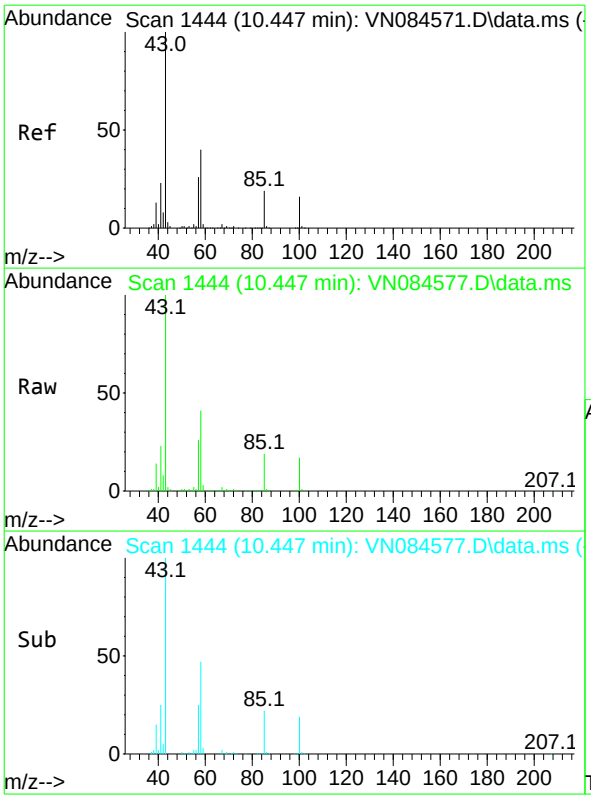


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

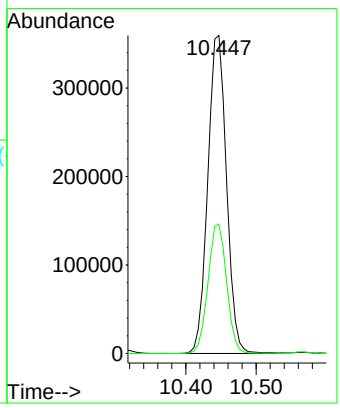




#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 665397

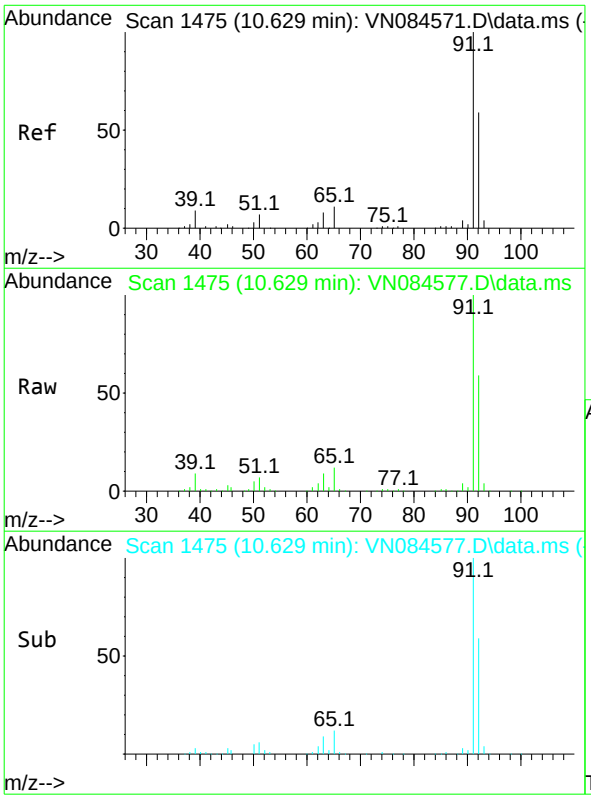
Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

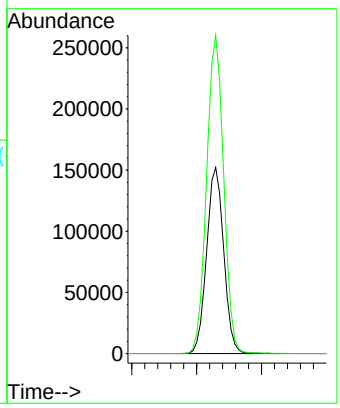
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

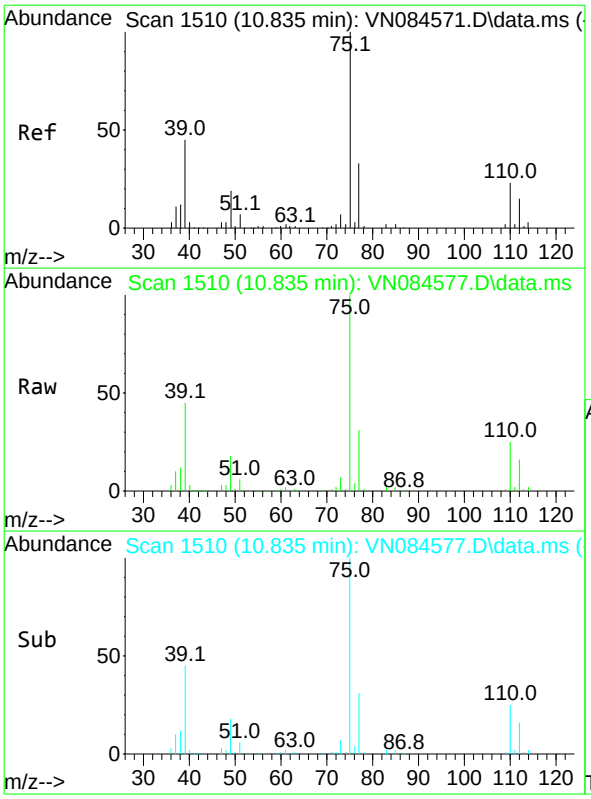


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

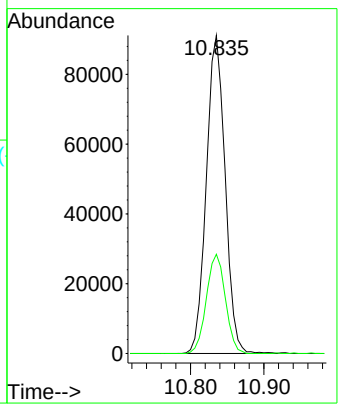




#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 162100

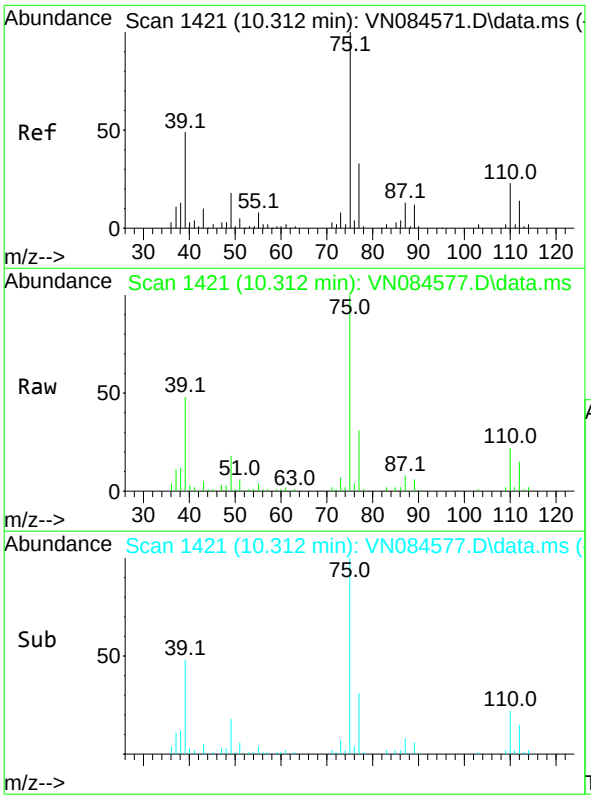
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

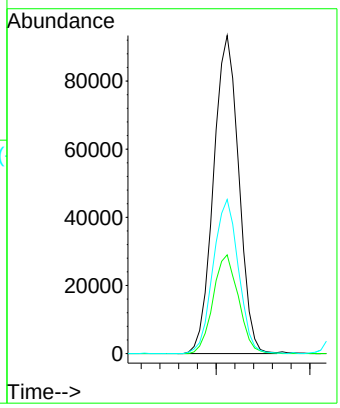
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

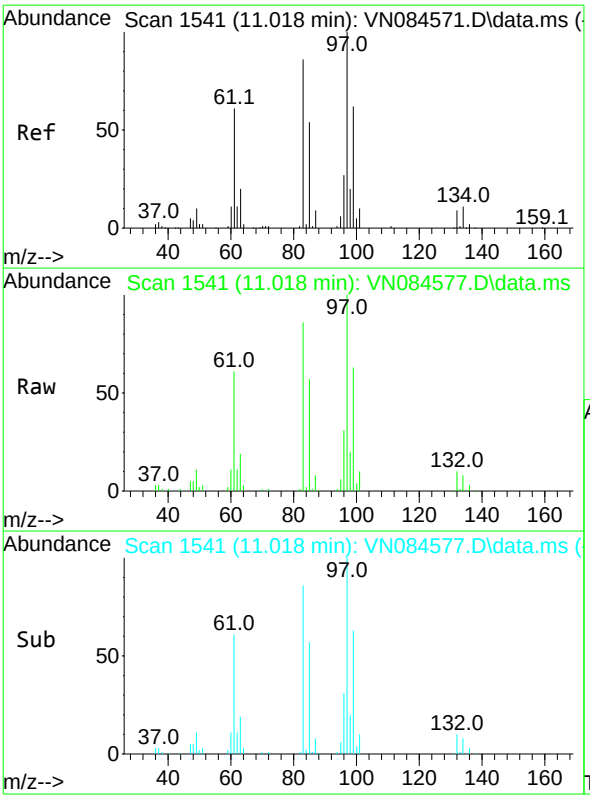


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 175008

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.2
39	48.4	38.7	58.1

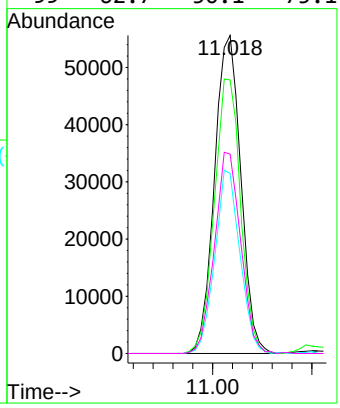




#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 102553

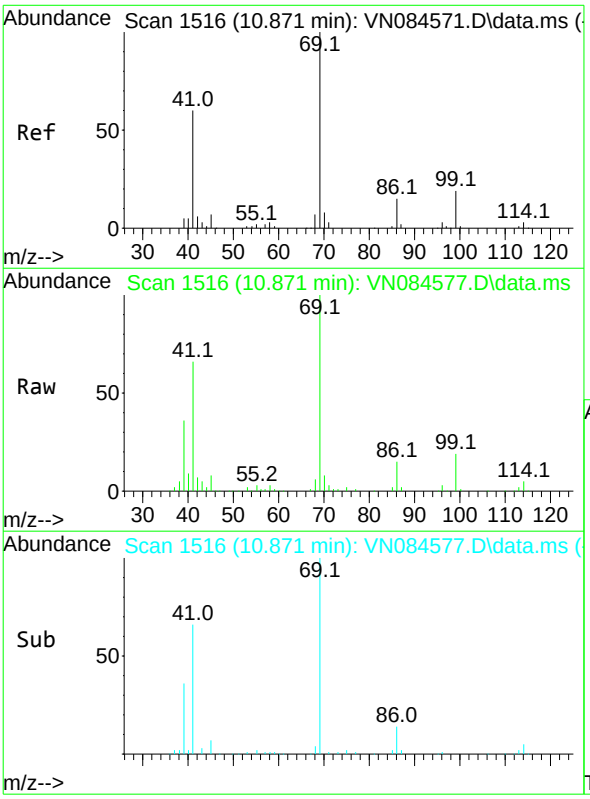
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	56.6	41.7	62.5
99	62.7	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

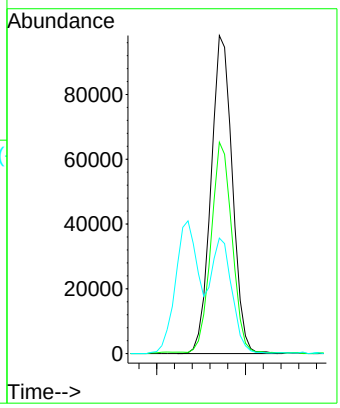
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

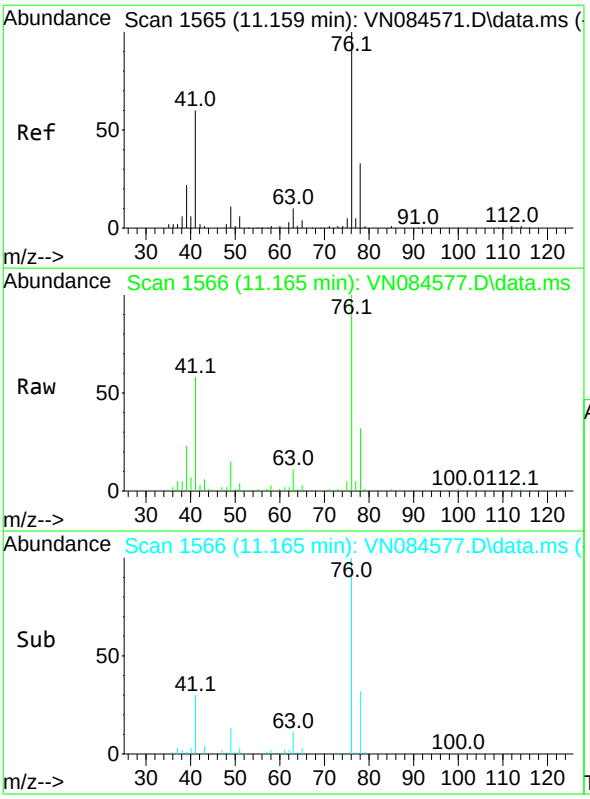


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 69 Resp: 164370

Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.3	79.9
39	35.6	28.8	43.2

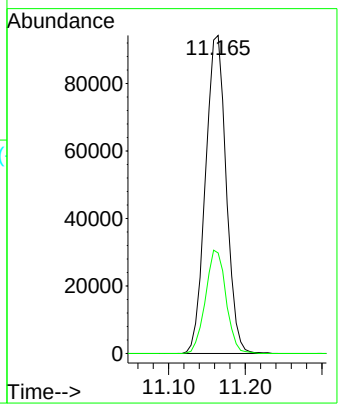




#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 176546

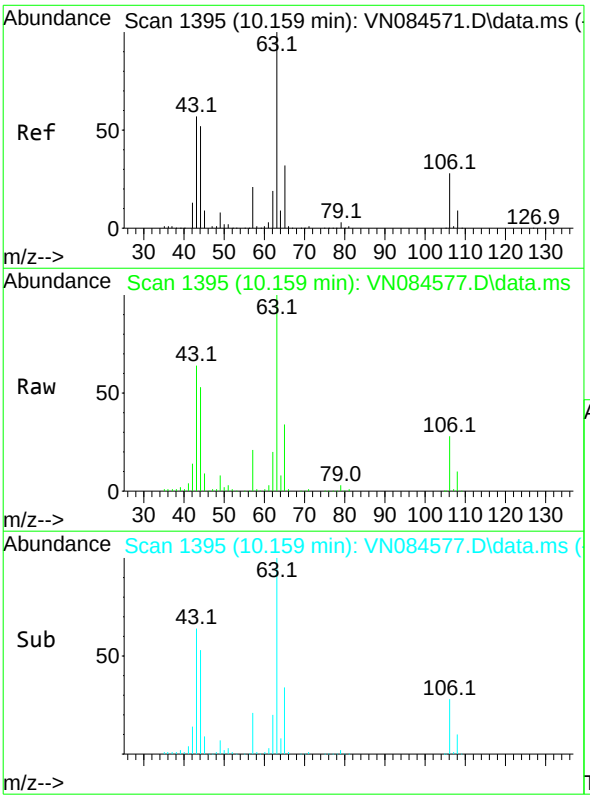
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

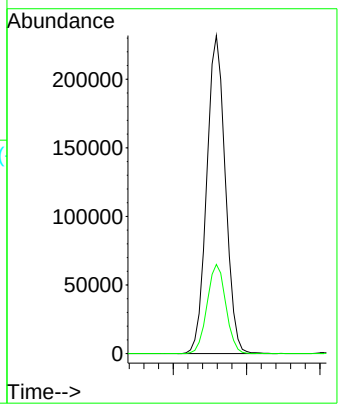
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

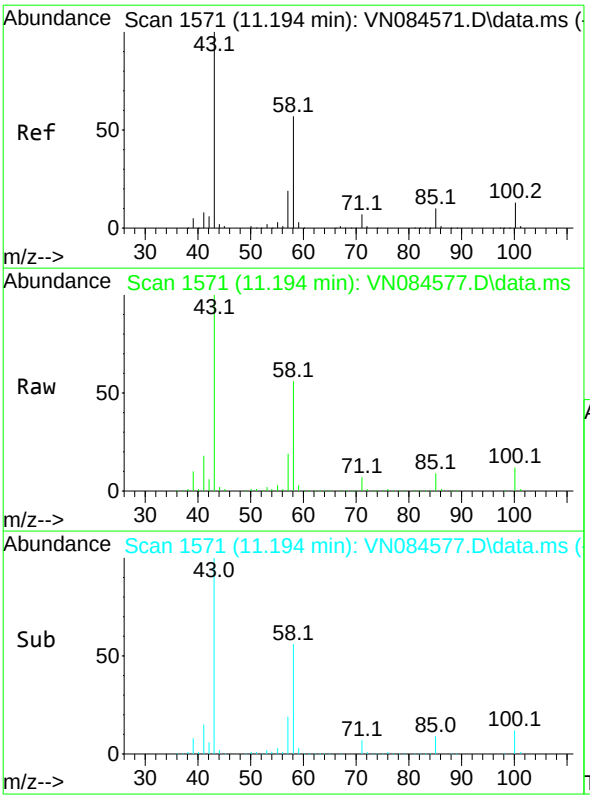


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6

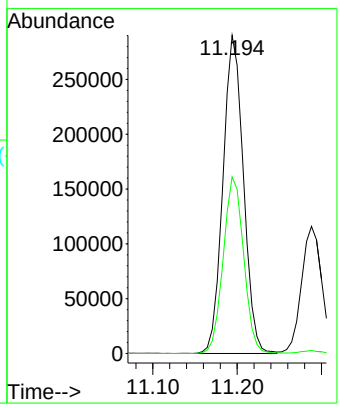




#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 489776

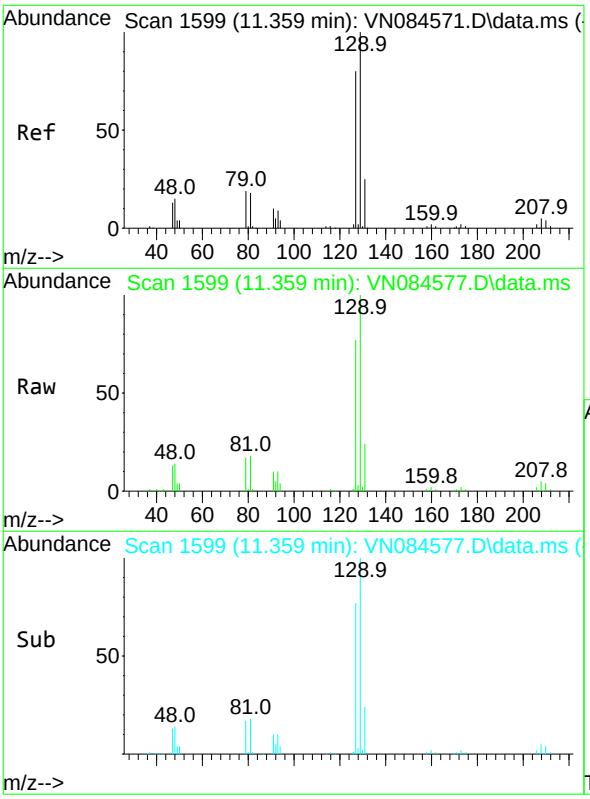
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

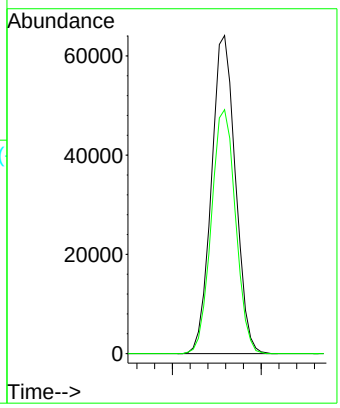
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

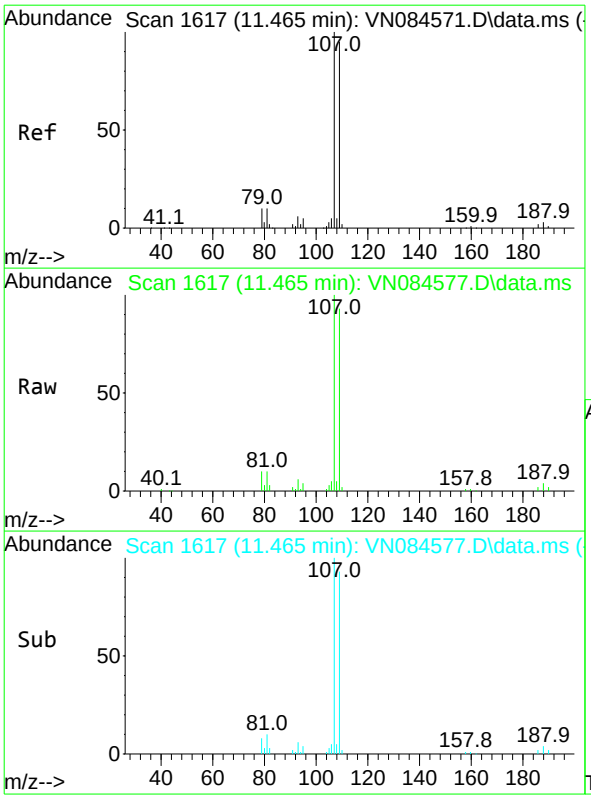


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9





#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

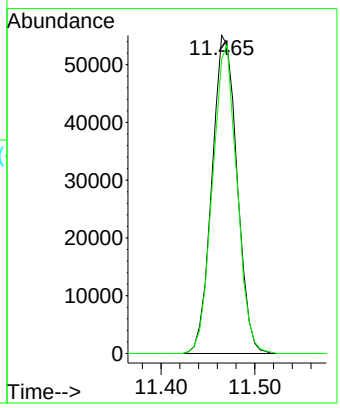
Tgt Ion:107 Resp: 102316

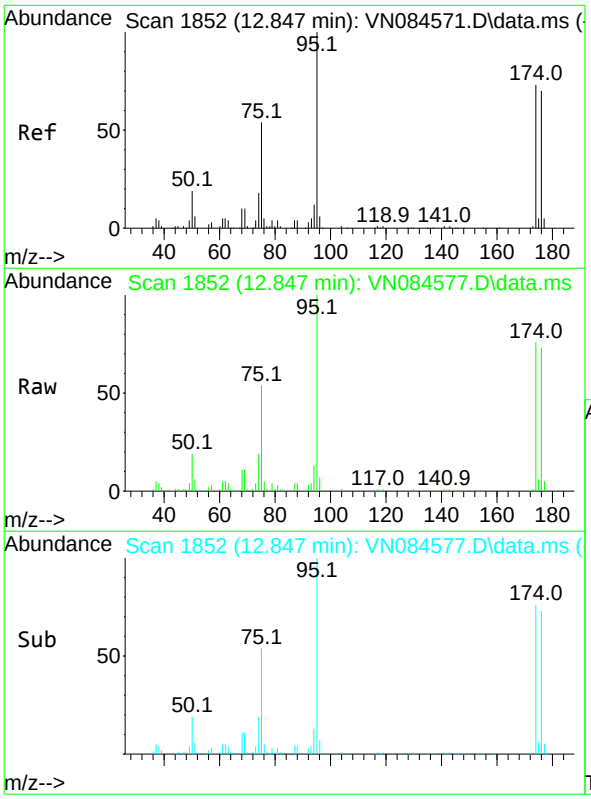
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

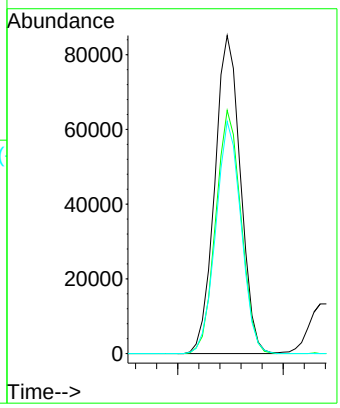


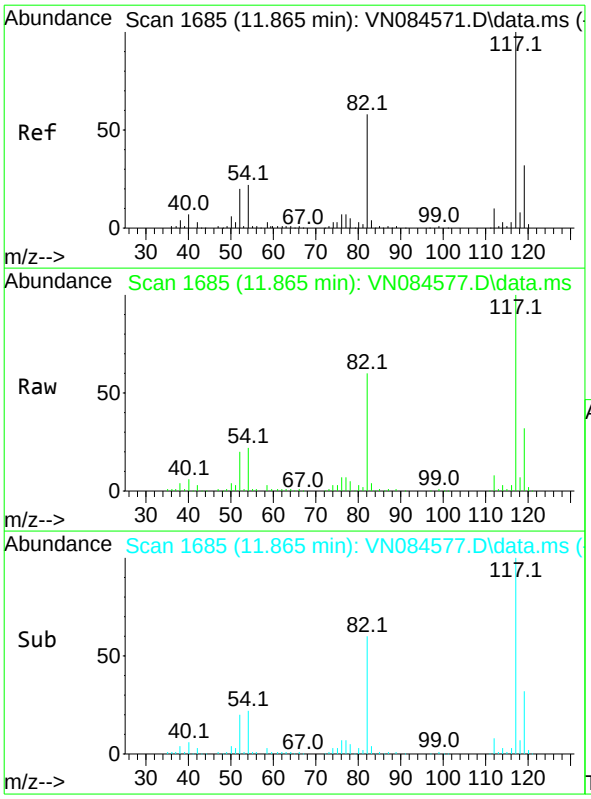


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 95 Resp: 144180

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0

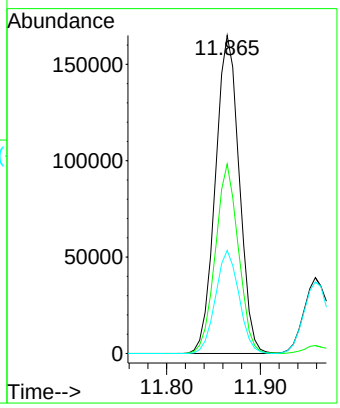




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 291586

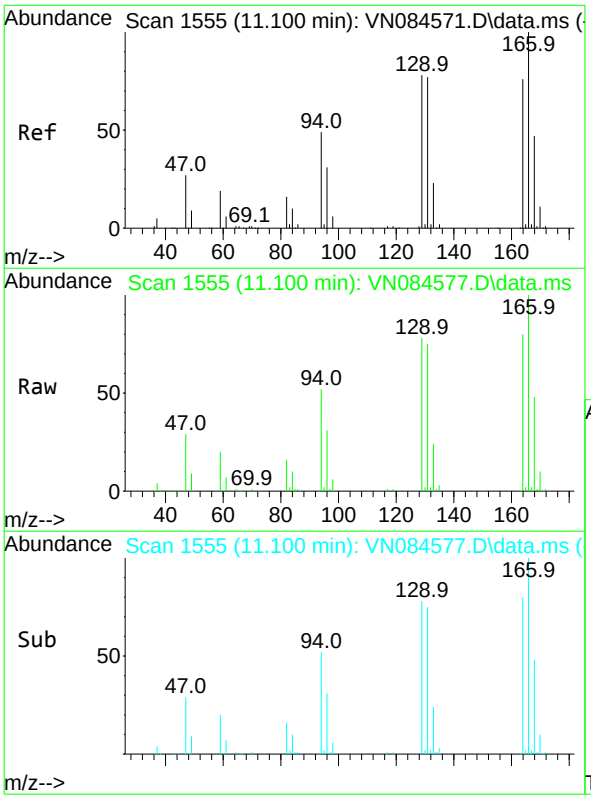
Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

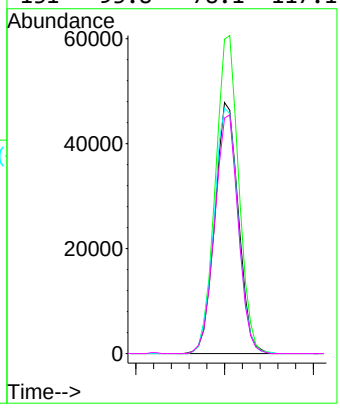
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

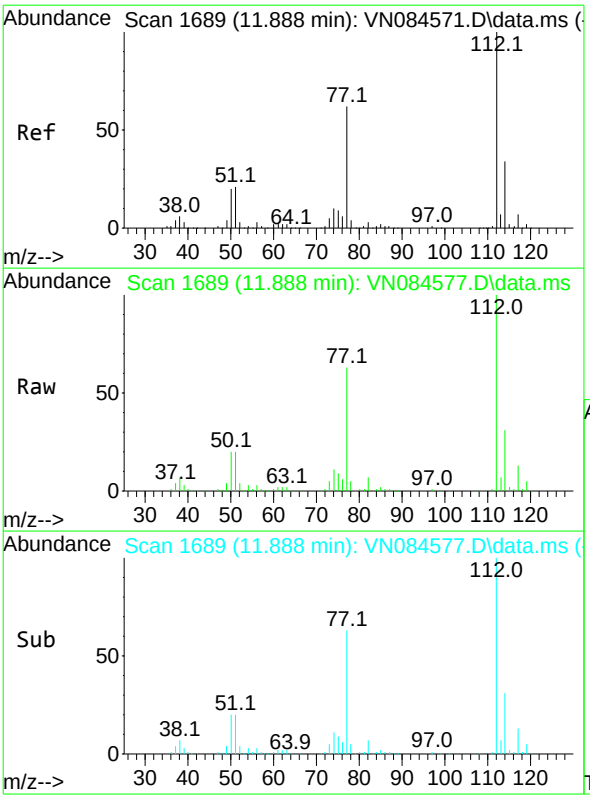


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:164 Resp: 88124

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	97.8	80.8	121.2
131	93.8	78.1	117.1

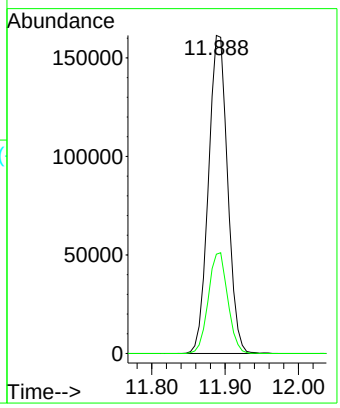




#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:112 Resp: 292713

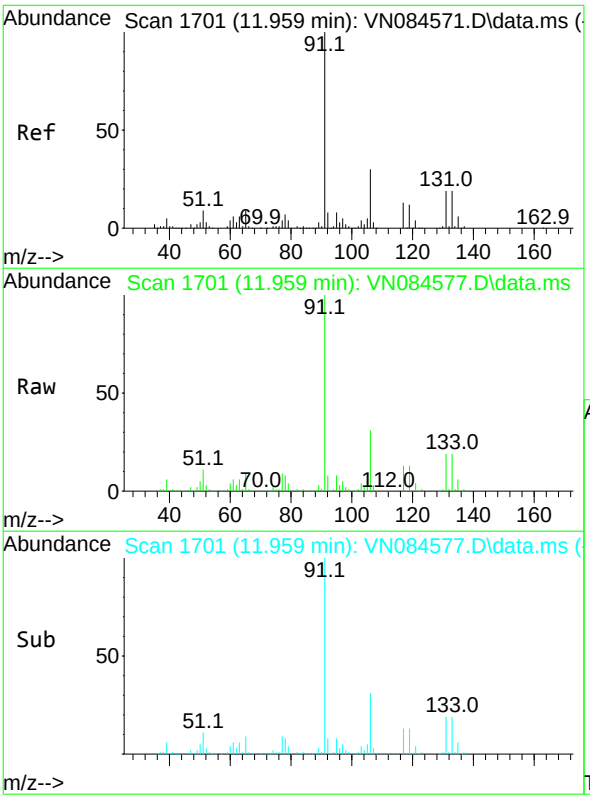
Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

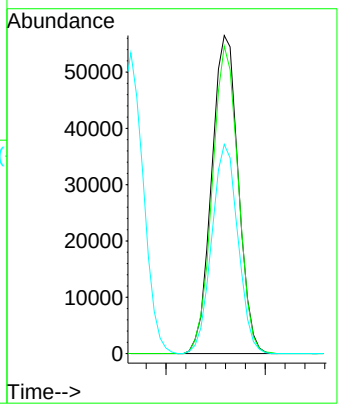
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

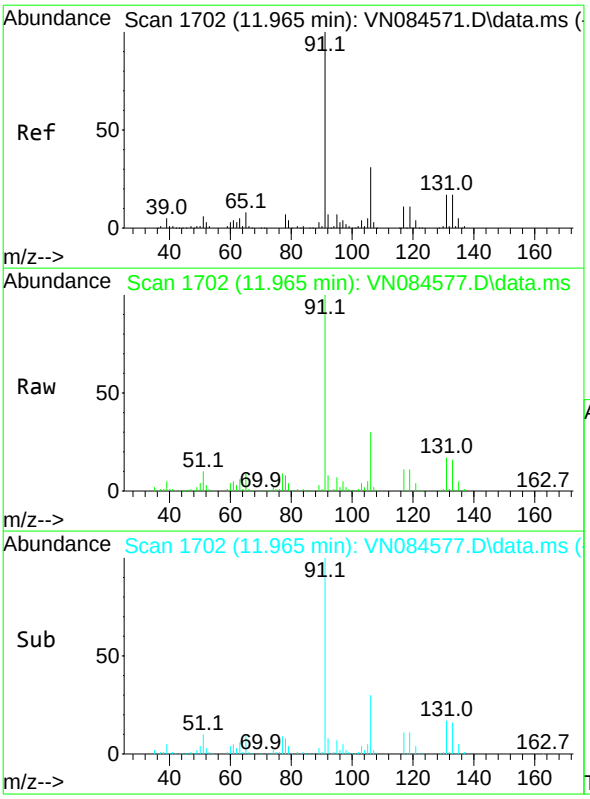


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:131 Resp: 105108

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	64.7	32.8	98.3

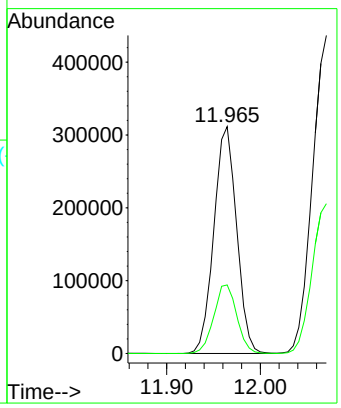




#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 526140

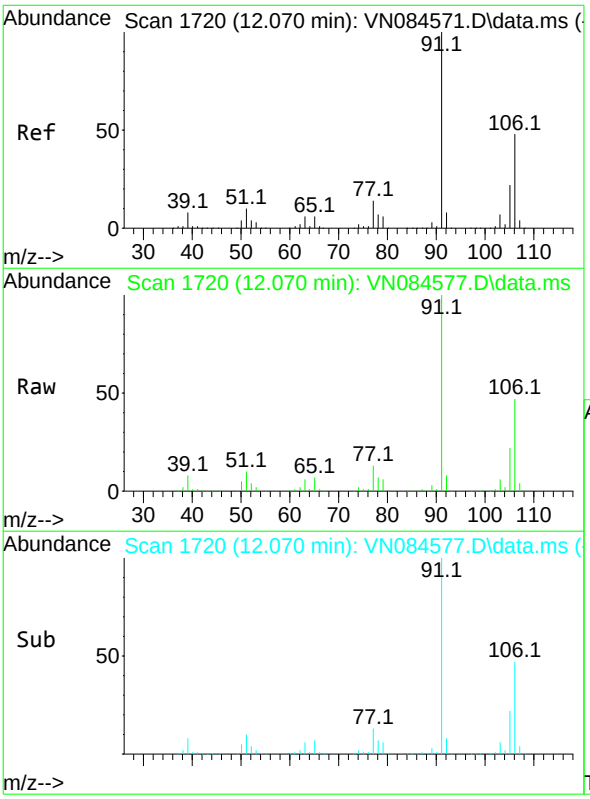
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

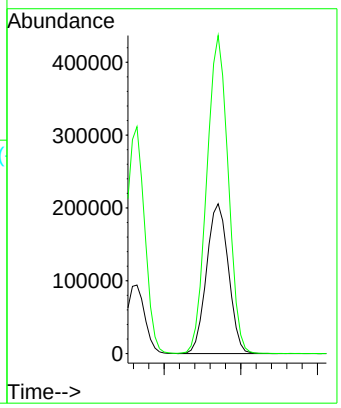
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

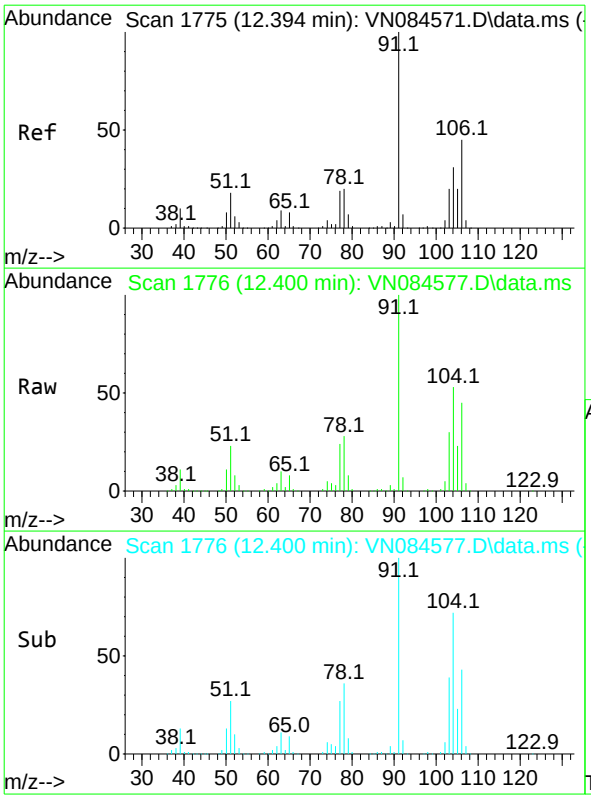


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7

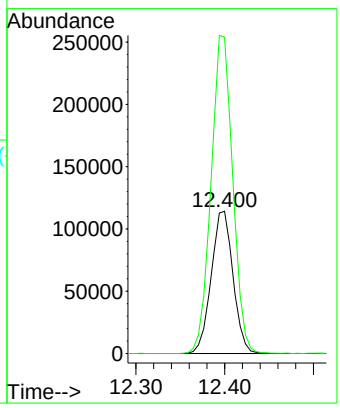




#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 194895

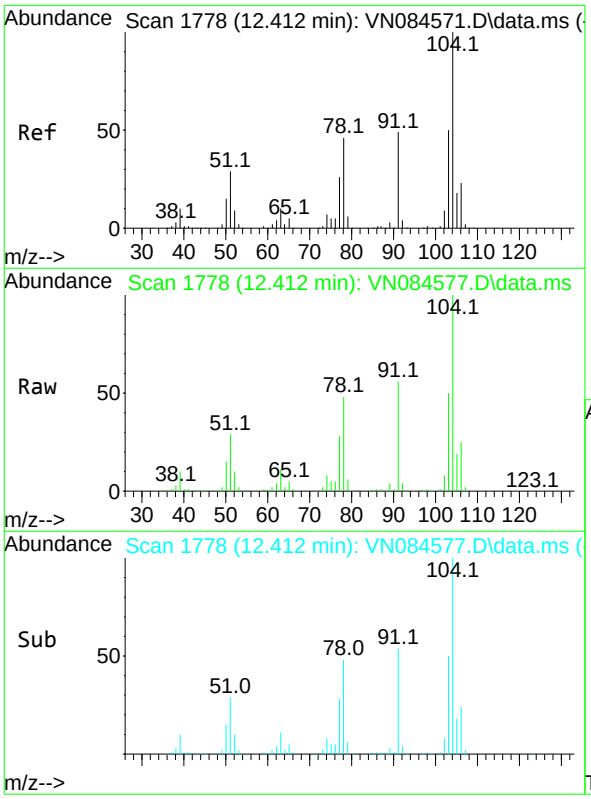
Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

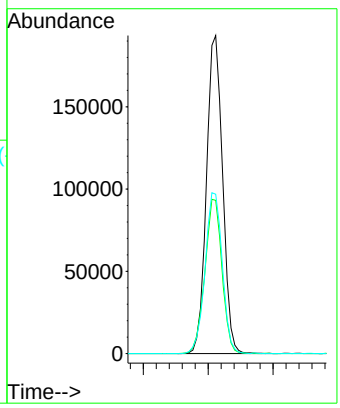
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

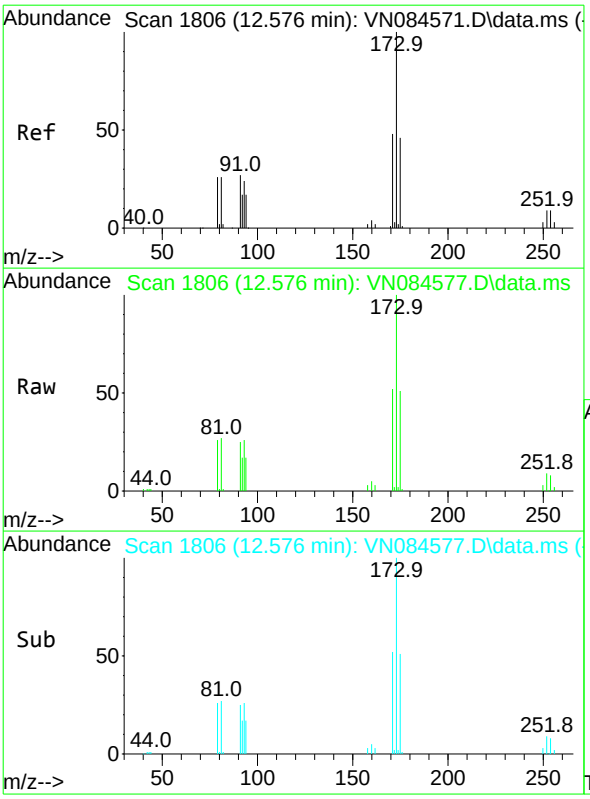


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:104 Resp: 333668

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4

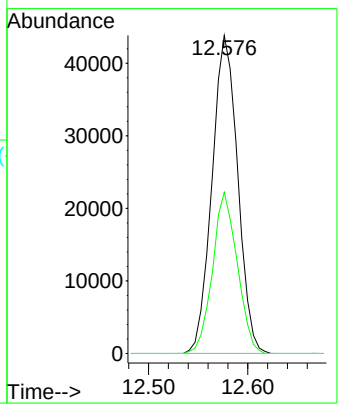




#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:173 Resp: 78822

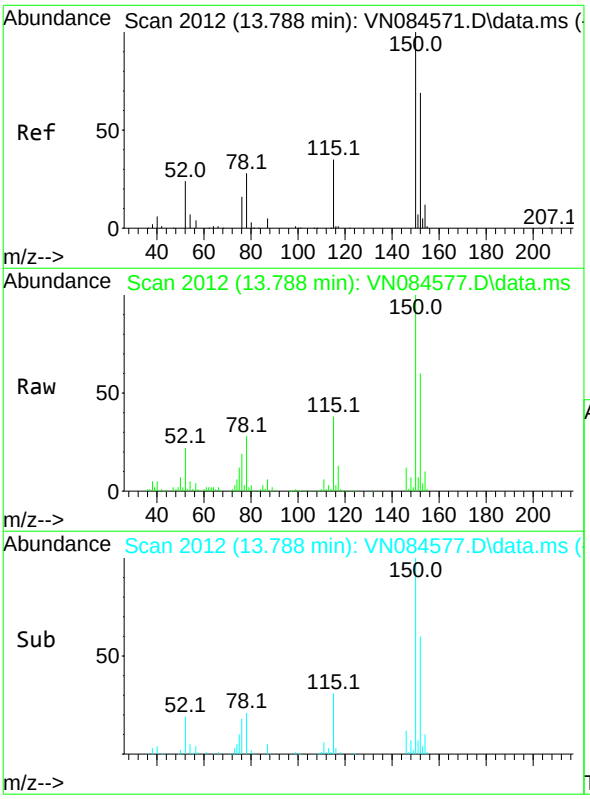
Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

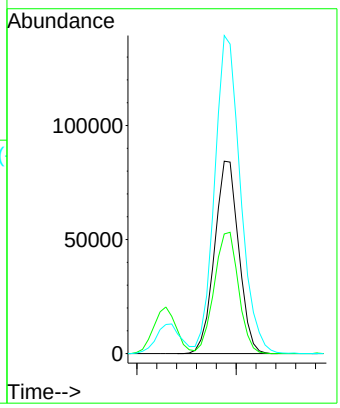
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

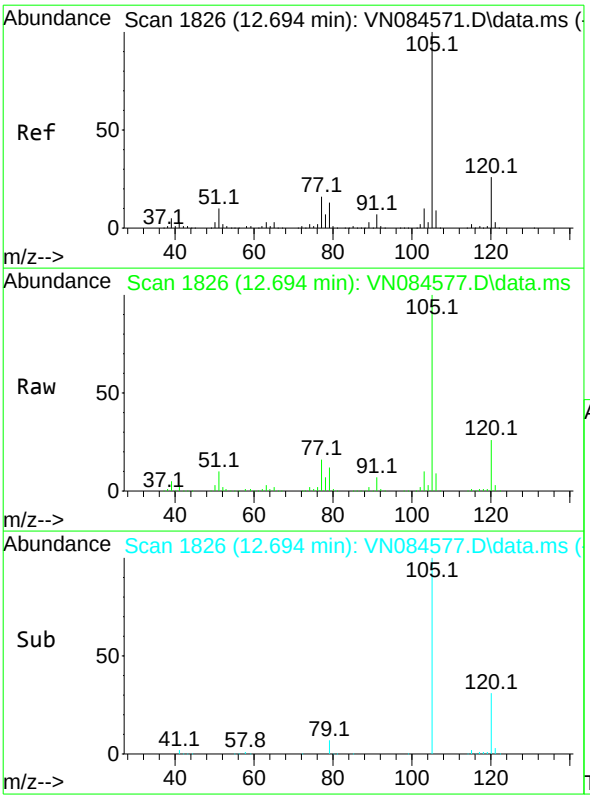


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:152 Resp: 142817

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	176.6	0.0	349.8

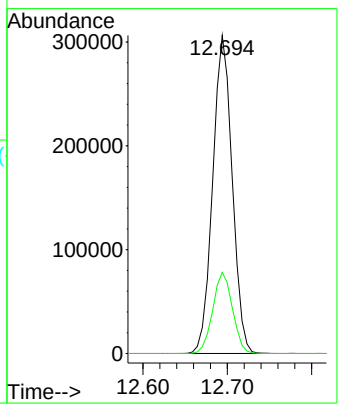




#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 491033

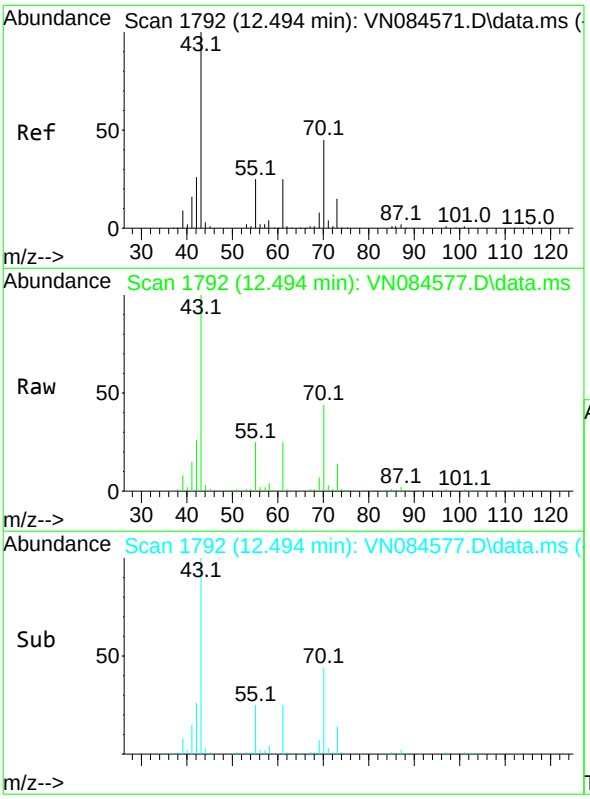
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

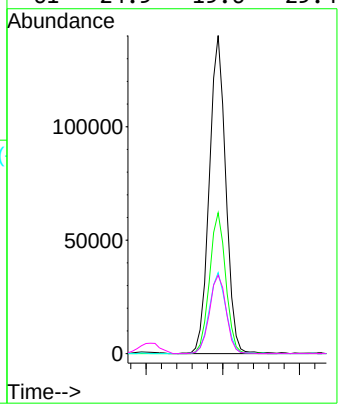
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

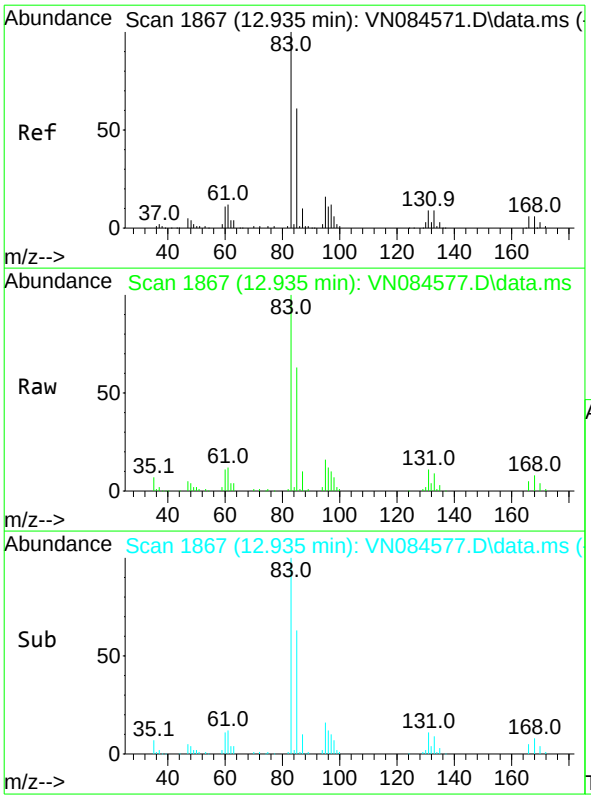


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 209049

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.6	19.6	29.4
61	24.9	19.6	29.4

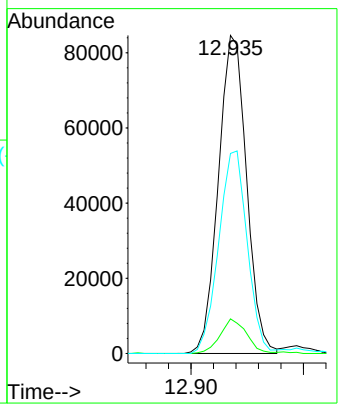




#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 147181

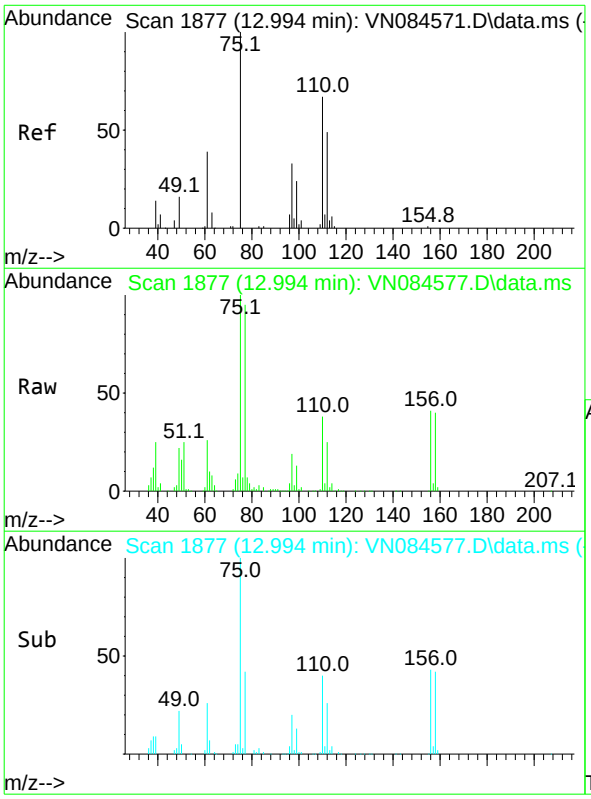
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

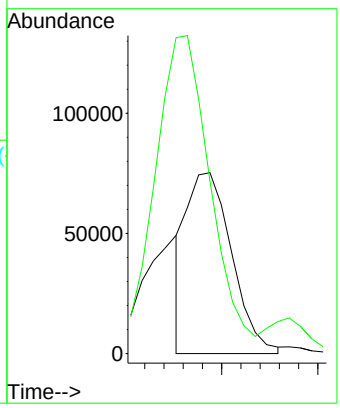
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

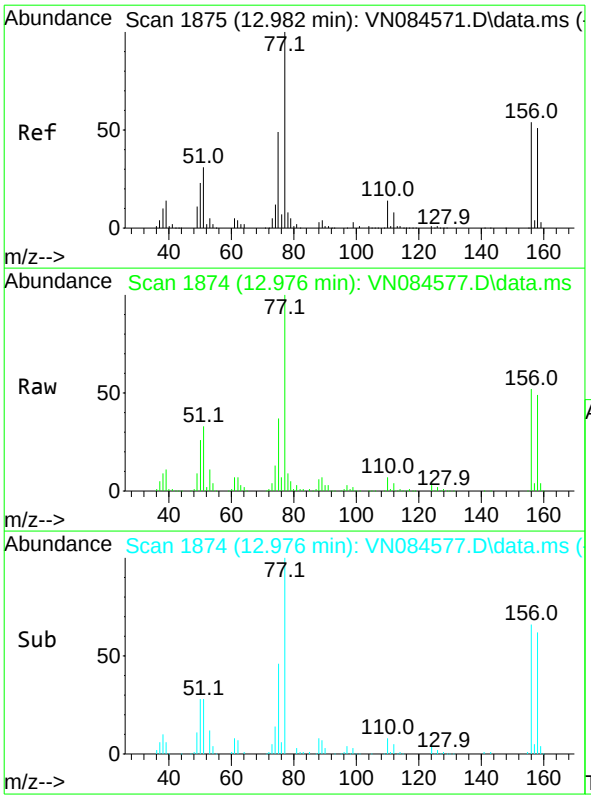


#76
1,2,3-Trichloropropane
Concen: 42.988 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 122725

Ion	Ratio	Lower	Upper
75	100		
77	217.8	96.9	290.7

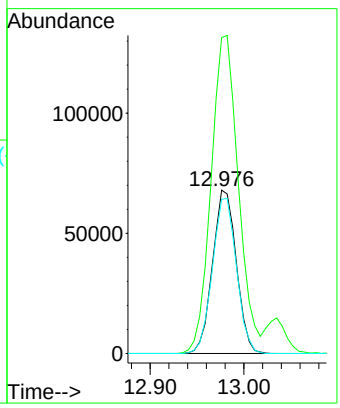




#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:156 Resp: 119728

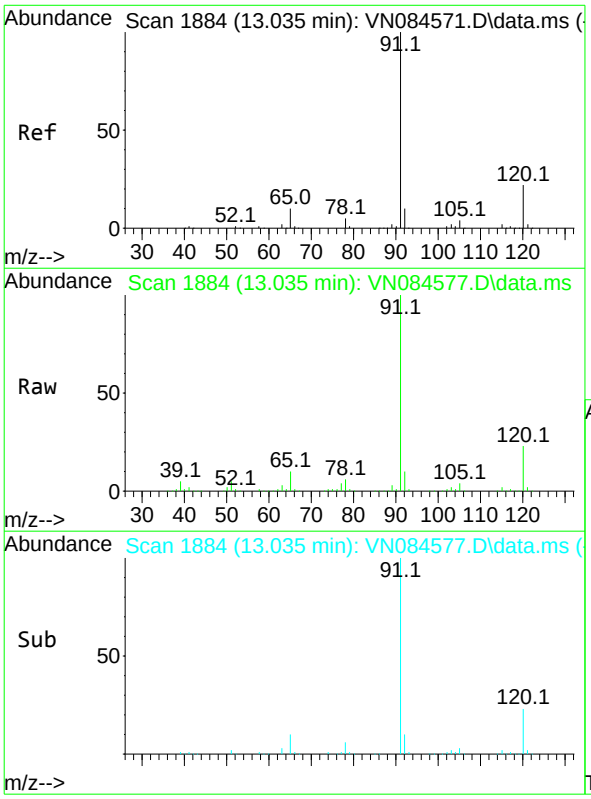
Ion	Ratio	Lower	Upper
156	100		
77	223.2	115.1	345.3
158	96.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

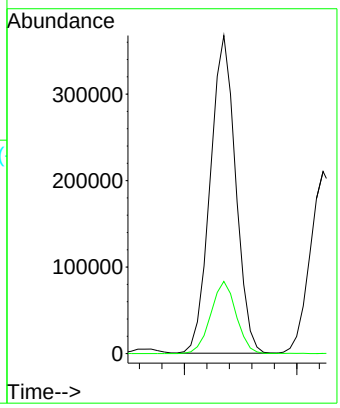
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

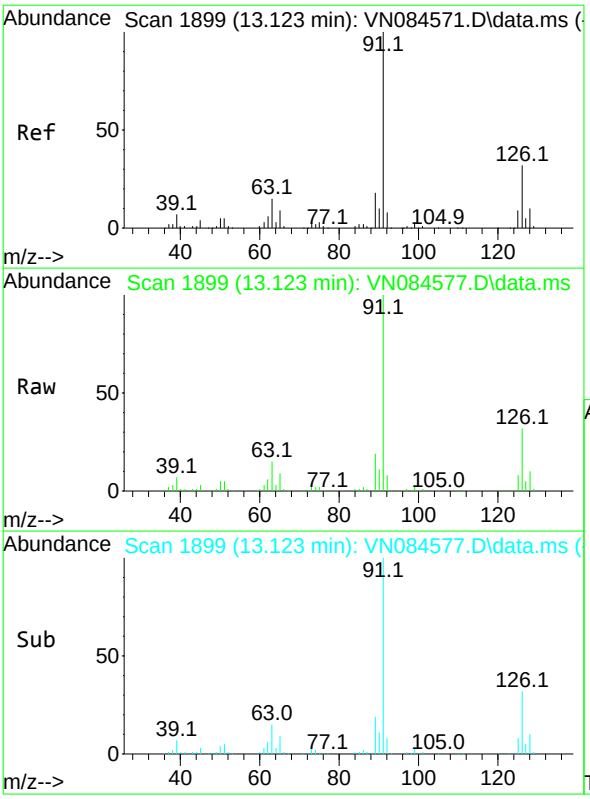


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4

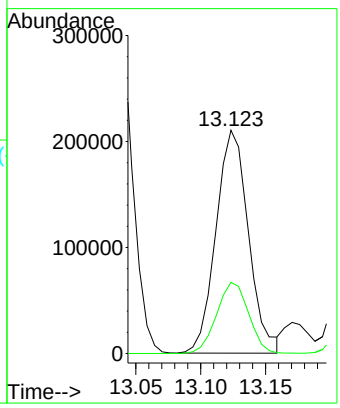




#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 367294

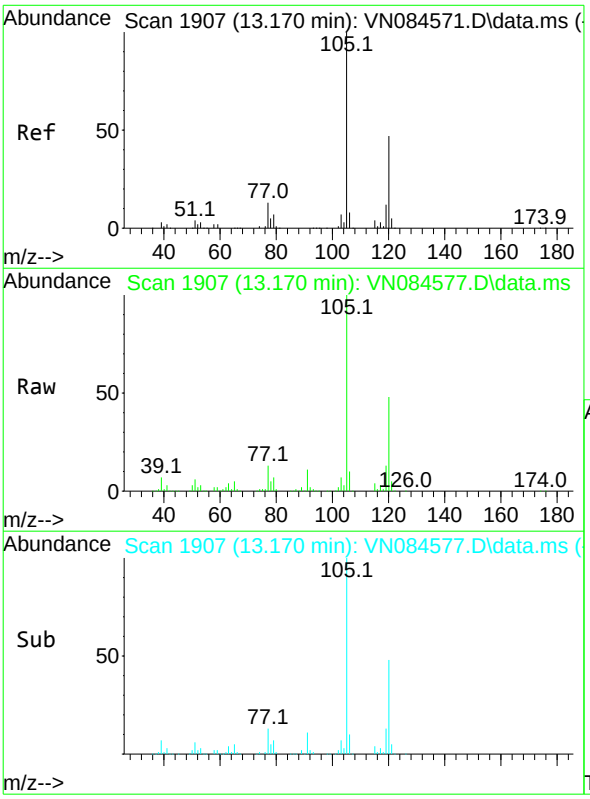
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

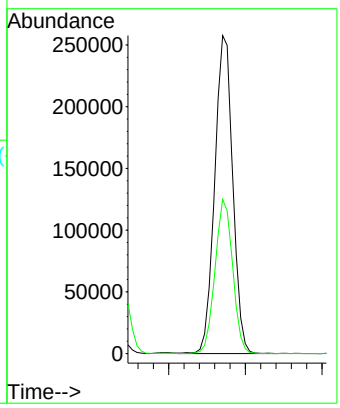
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

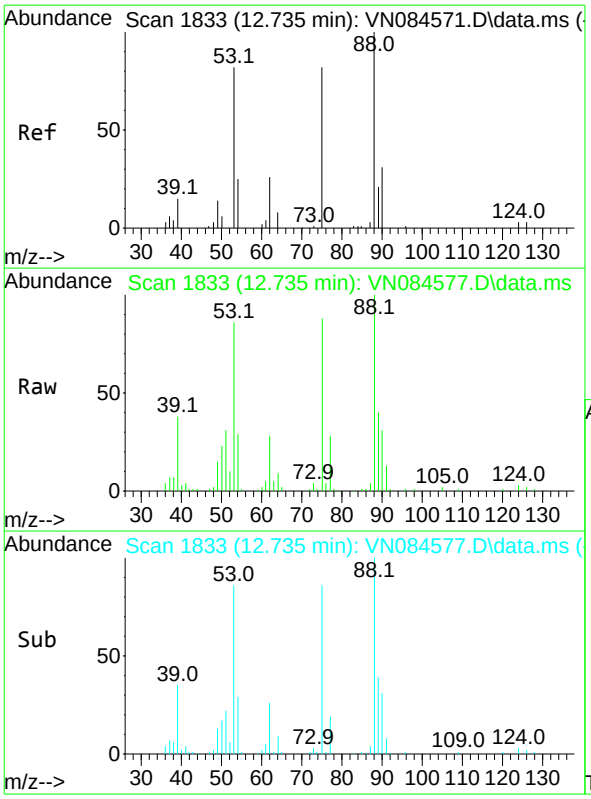


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

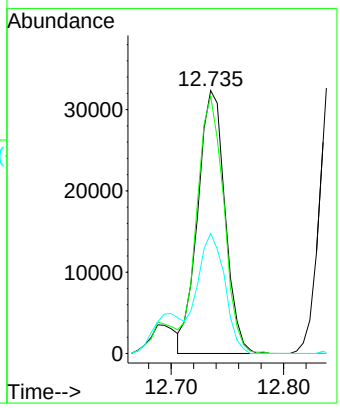




#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 54512

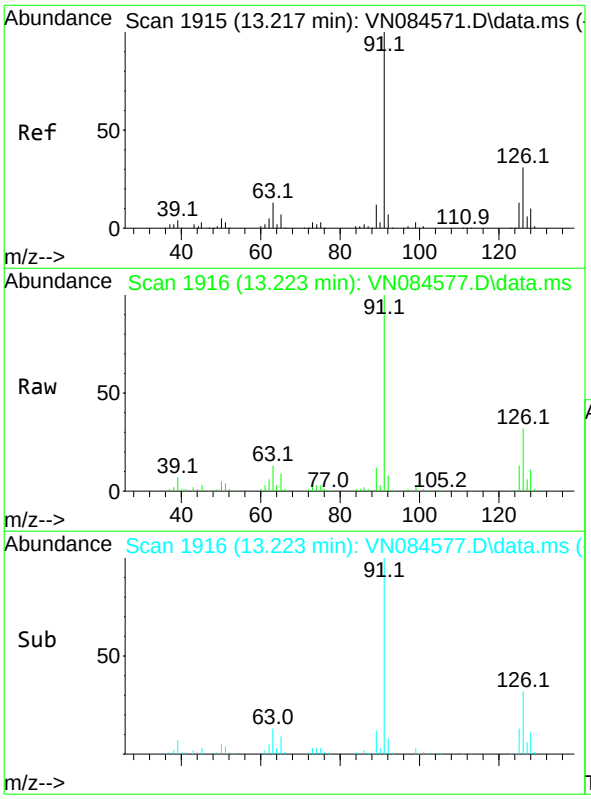
Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.0	117.0
89	45.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

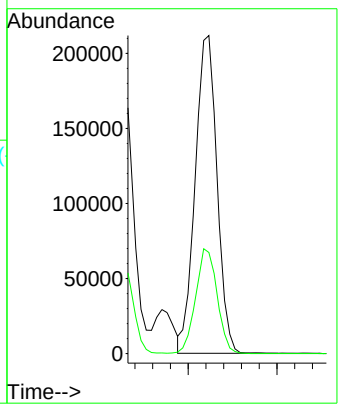
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

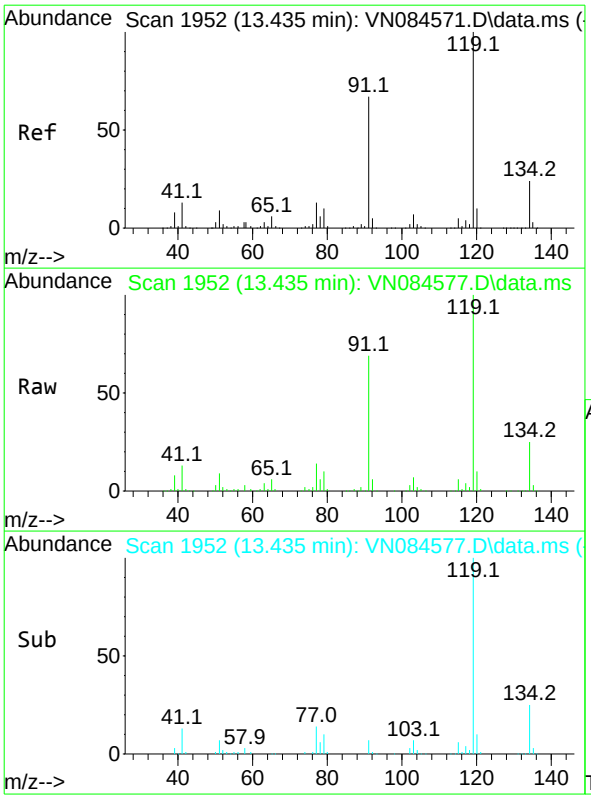


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

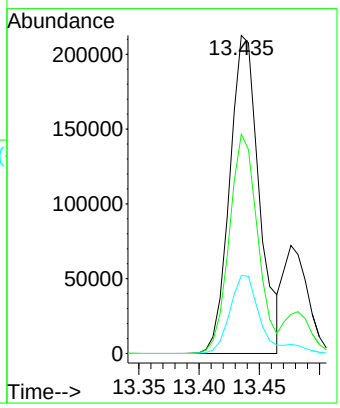




#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 361800

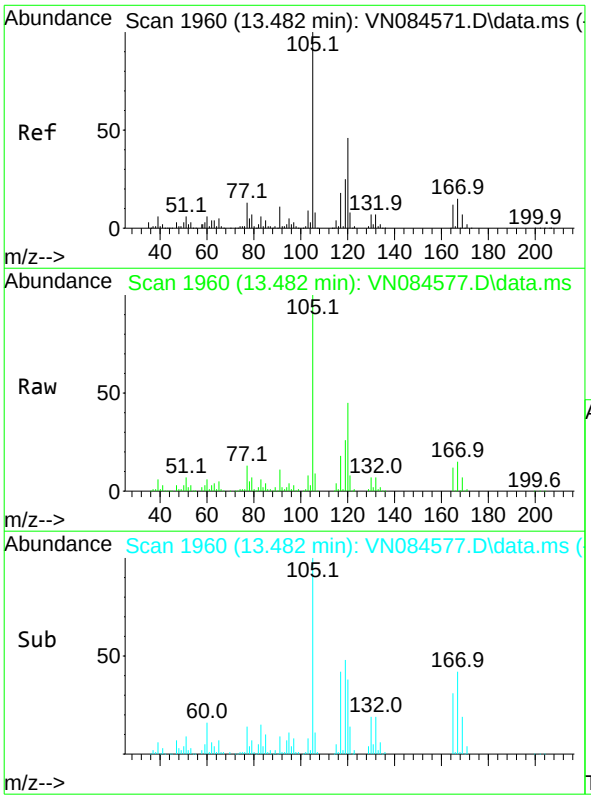
Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.1	102.3
134	26.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

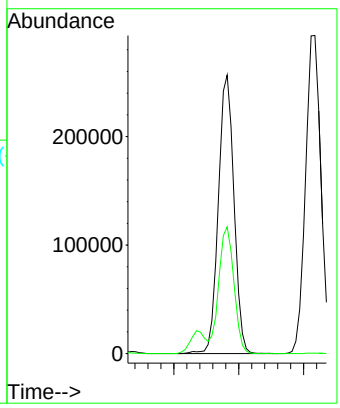
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

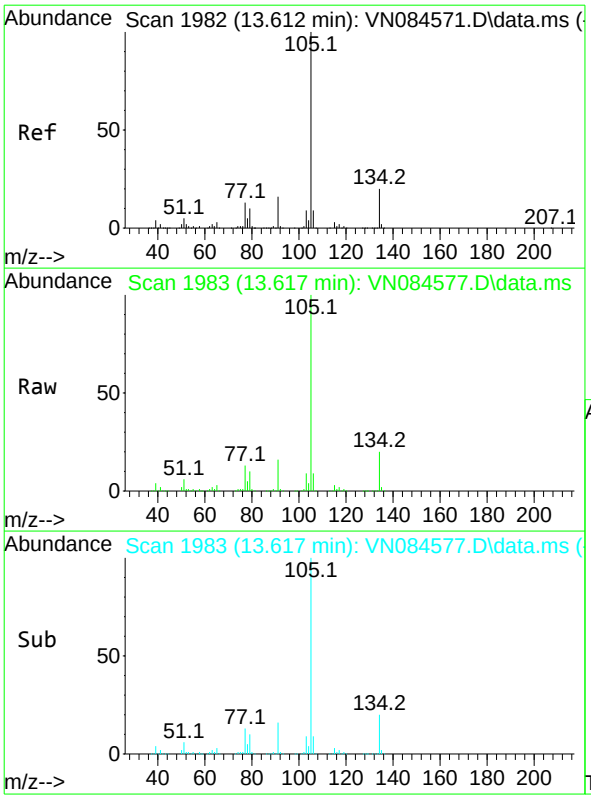


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8

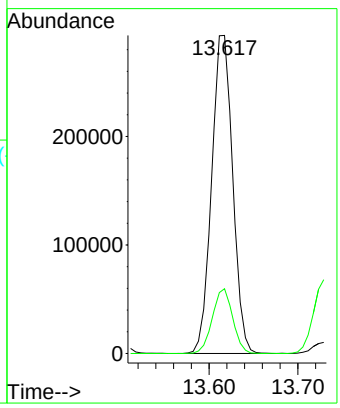




#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 483212

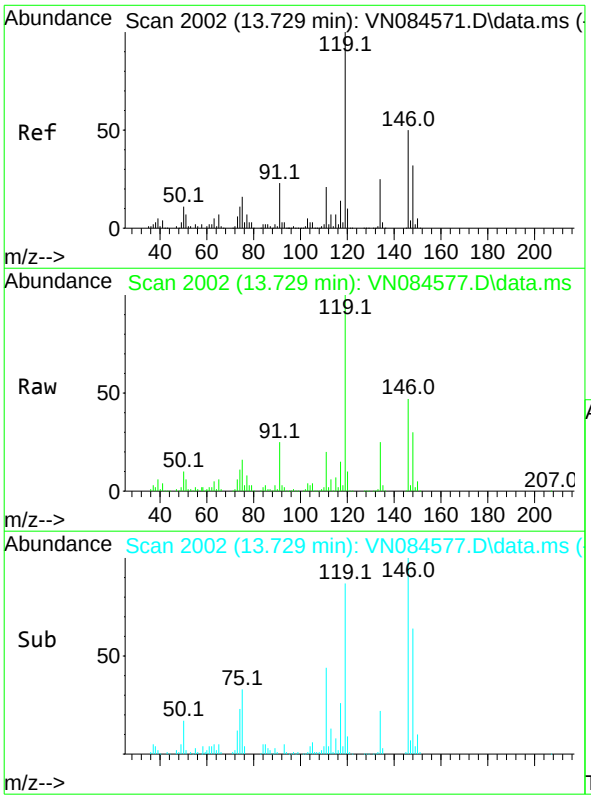
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

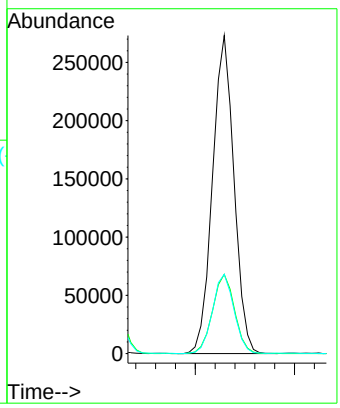
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

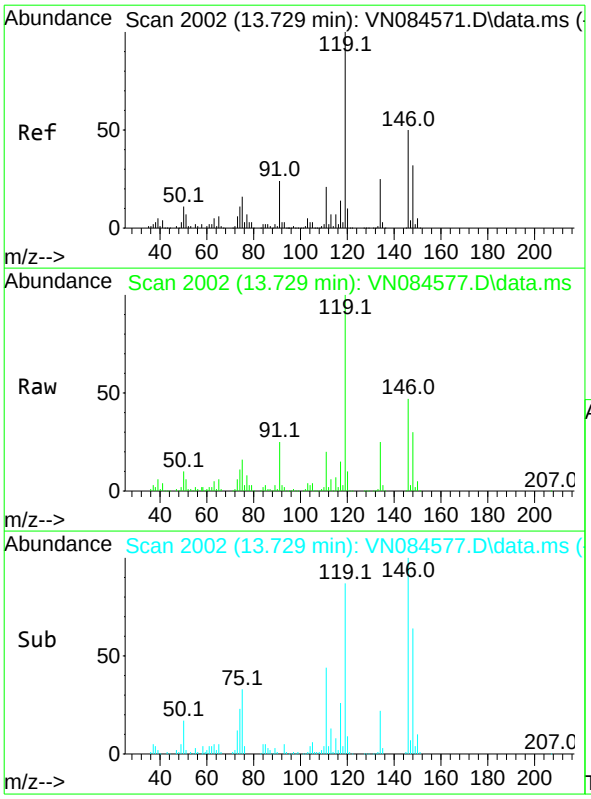


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 410129

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.0	12.4	37.2

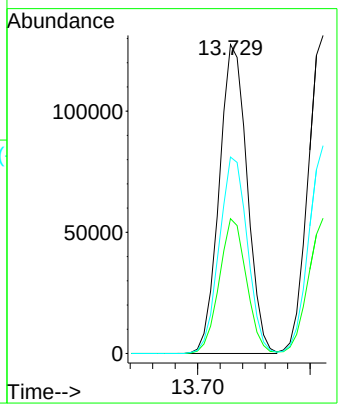




#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 219757

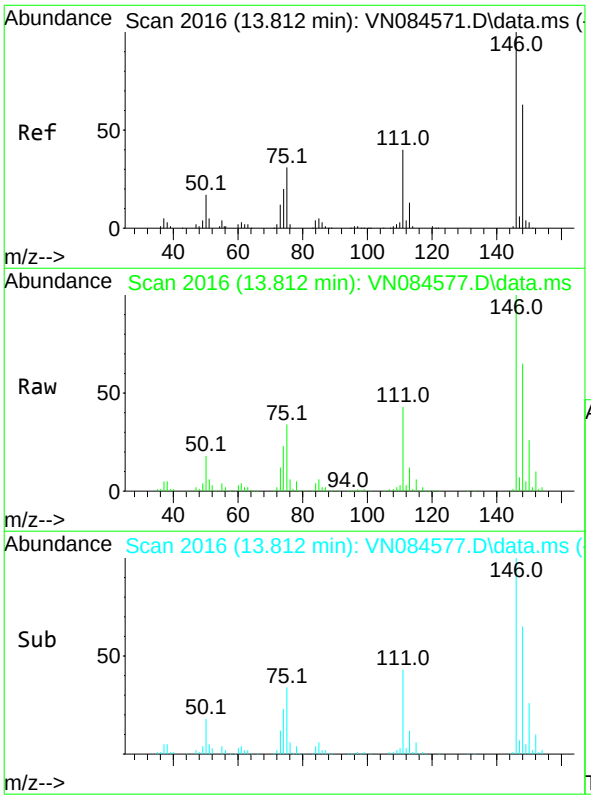
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

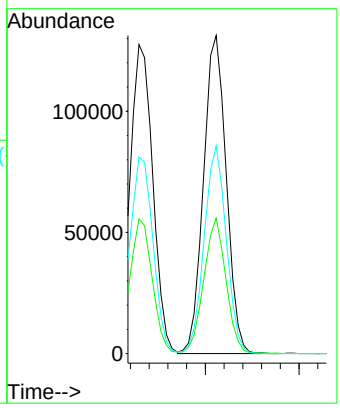
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

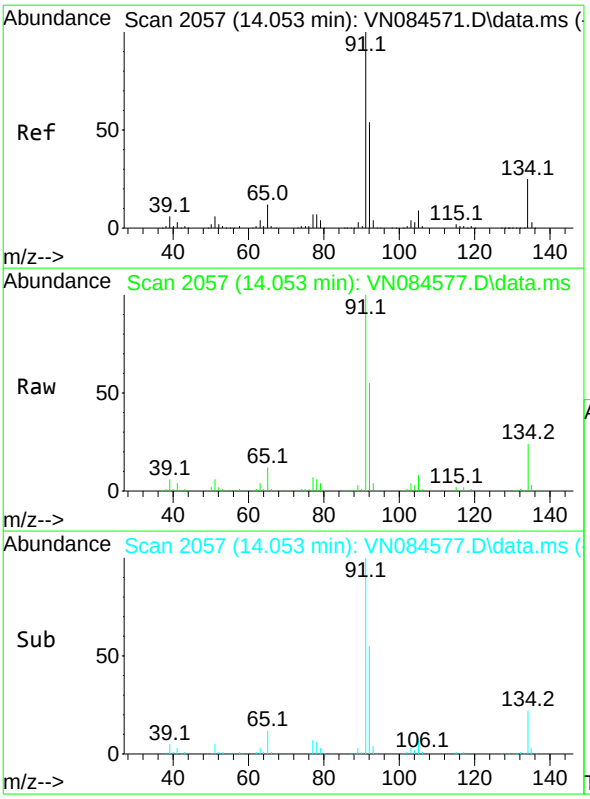


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 221608

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.9	95.9

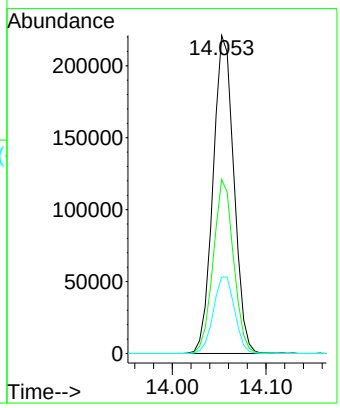




#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 341775

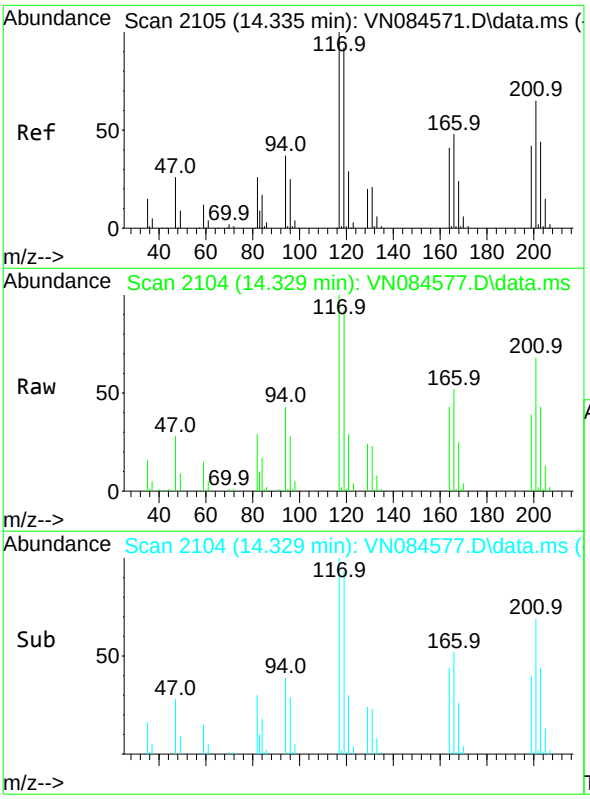
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

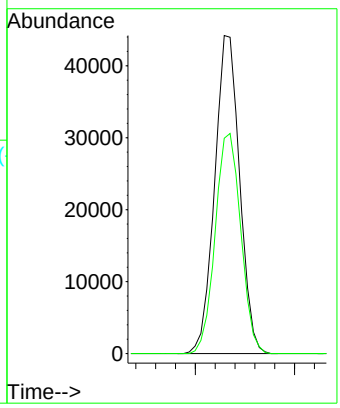
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

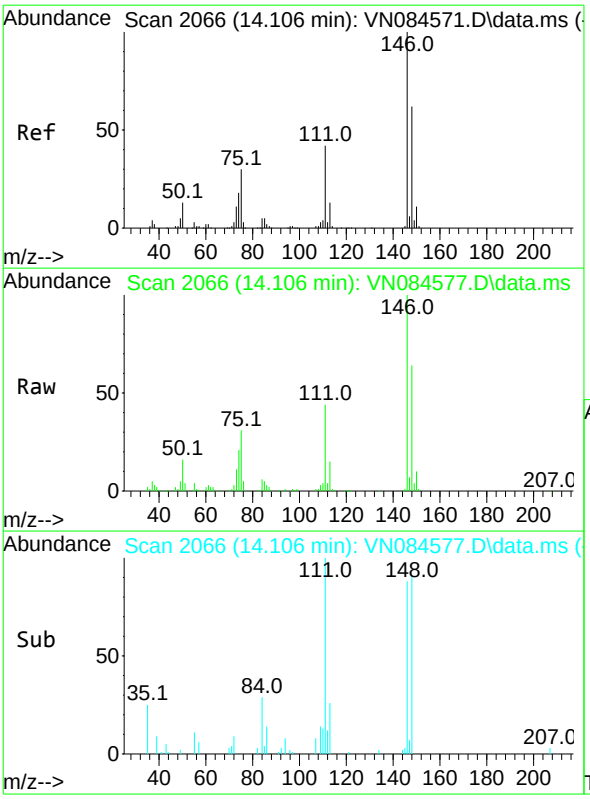


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2

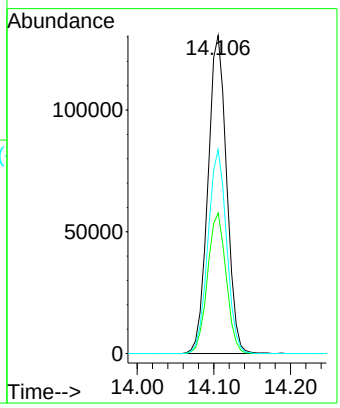




#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 220824

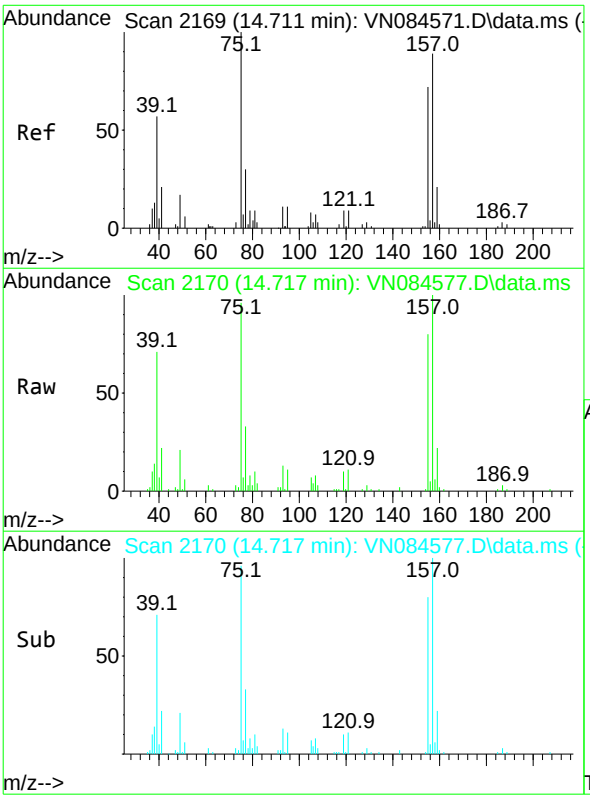
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

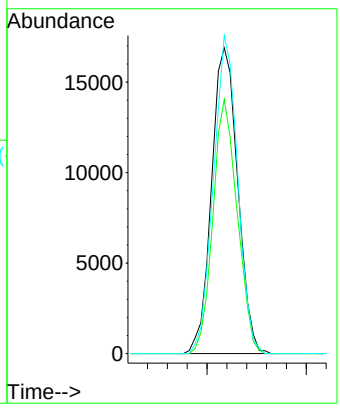
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

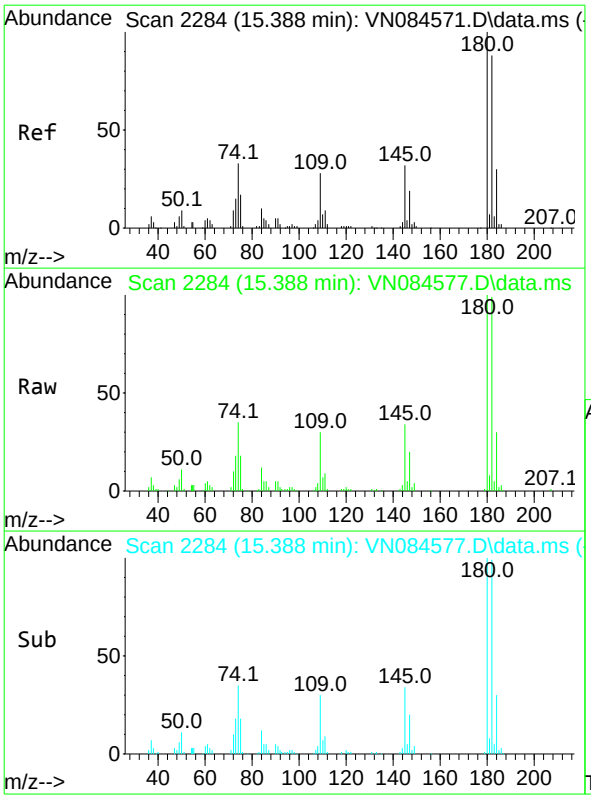


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 30895

Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	96.4	49.6	149.0

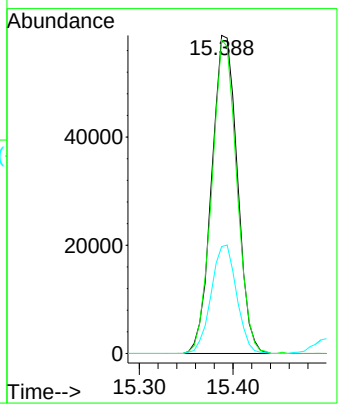




#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 111270

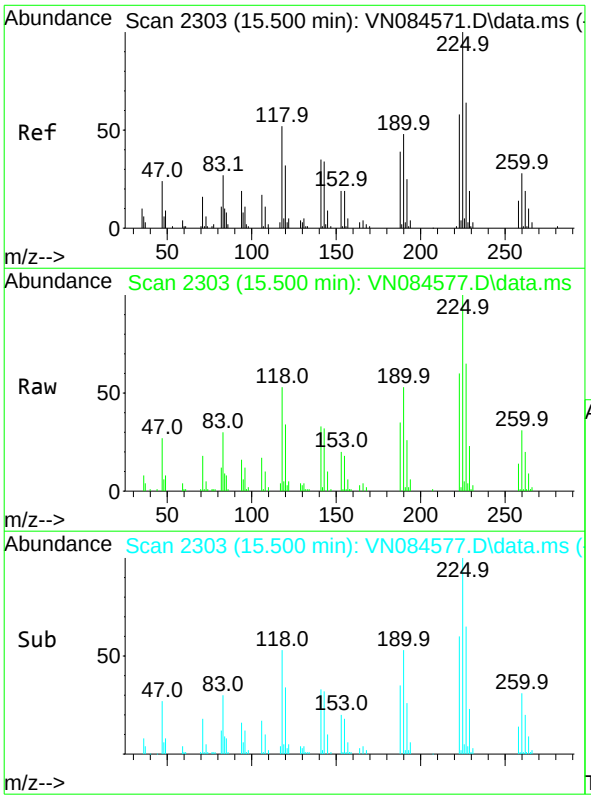
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	34.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

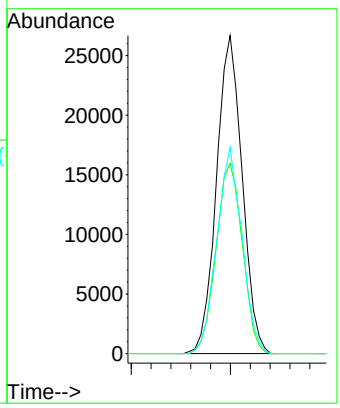
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

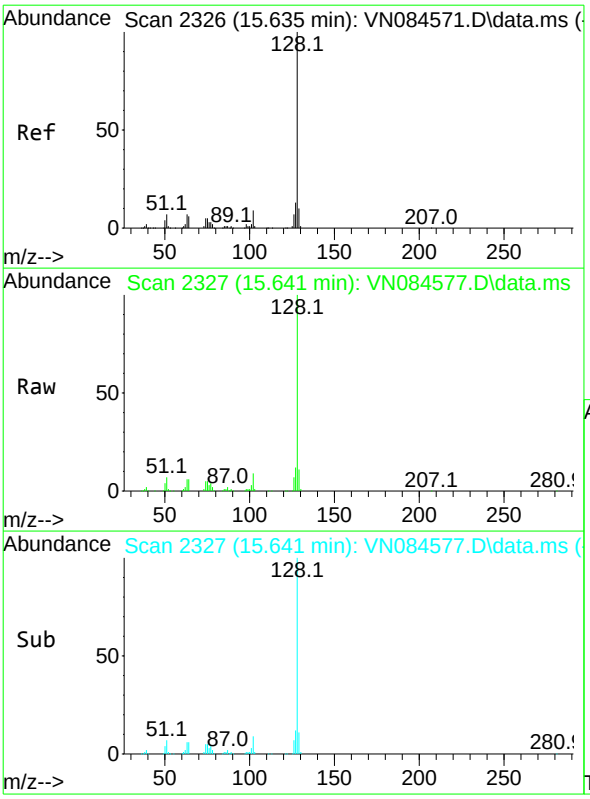


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:225 Resp: 47959

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.4	97.2
227	63.6	32.4	97.0

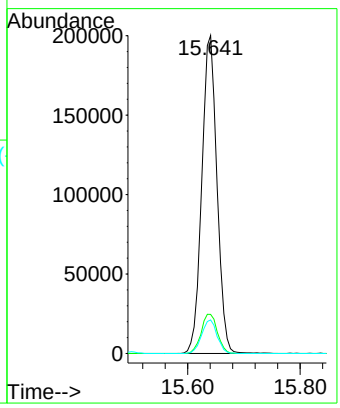




#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:128 Resp: 375360

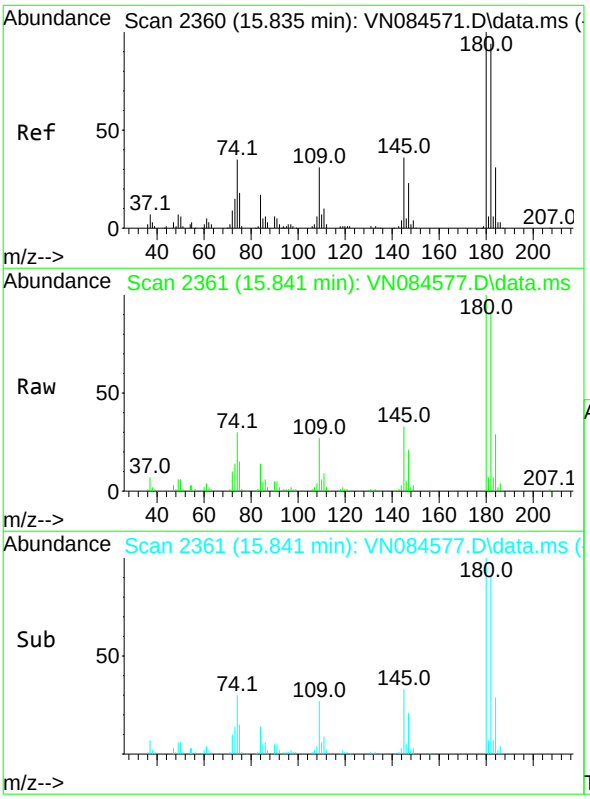
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

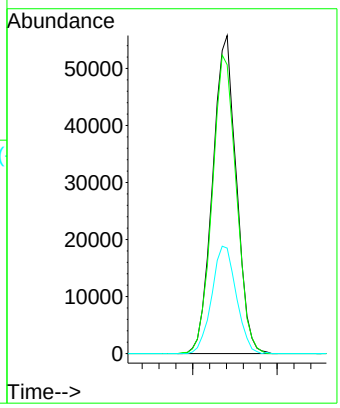
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 40.595 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 108830

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.0	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
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	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
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	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
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	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
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	40.595	18.8	94	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 09:39

Lab File ID: VN084737.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.952	0.557	0.1	-41.49	20
Vinyl Chloride	0.618	0.547		-11.49	20
Bromomethane	0.328	0.287		-12.5	20
Chloroethane	0.488	0.357		-26.84	20
Trichlorofluoromethane	1.018	0.949		-6.78	20
1,1,2-Trichlorotrifluoroethane	0.575	0.549		-4.52	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
Acetone	0.238	0.238		0	20
Carbon Disulfide	1.753	1.371		-21.79	20
Methyl tert-butyl Ether	1.745	1.787		2.41	20
Methylene Chloride	0.635	0.580		-8.66	20
trans-1,2-Dichloroethene	0.585	0.522		-10.77	20
1,1-Dichloroethane	1.102	1.027	0.1	-6.81	20
2-Butanone	0.337	0.361		7.12	20
Carbon Tetrachloride	0.525	0.529		0.76	20
cis-1,2-Dichloroethene	0.683	0.647		-5.27	20
Chloroform	1.121	1.095		-2.32	20
1,1,1-Trichloroethane	1.021	0.989		-3.13	20
Methylcyclohexane	0.478	0.502		5.02	20
Benzene	1.507	1.426		-5.38	20
1,2-Dichloroethane	0.488	0.484		-0.82	20
Trichloroethene	0.348	0.335		-3.74	20
1,2-Dichloropropane	0.354	0.349		-1.41	20
Bromodichloromethane	0.526	0.525		-0.19	20
4-Methyl-2-Pentanone	0.406	0.443		9.11	20
Toluene	0.882	0.897		1.7	20
t-1,3-Dichloropropene	0.544	0.542		-0.37	20
cis-1,3-Dichloropropene	0.576	0.582		1.04	20
1,1,2-Trichloroethane	0.332	0.338		1.81	20
2-Hexanone	0.296	0.342		15.54	20
Dibromochloromethane	0.378	0.407		7.67	20
Tetrachloroethene	0.333	0.341		2.4	20
Chlorobenzene	1.119	1.084	0.3	-3.13	20
Ethyl Benzene	1.867	1.938		3.8	20
m/p-Xylenes	0.707	0.733		3.68	20
o-Xylene	0.661	0.705		6.66	20
Styrene	1.154	1.220		5.72	20
Bromoform	0.293	0.314	0.1	7.17	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 09:39

Lab File ID: VN084737.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.504	3.511		0.2	20
1,1,2,2-Tetrachloroethane	1.170	1.092	0.3	-6.67	20
1,3-Dichlorobenzene	1.838	1.648		-10.34	20
1,4-Dichlorobenzene	1.937	1.652		-14.71	20
1,2-Dichlorobenzene	1.766	1.642		-7.02	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.337		-0.3	20
Toluene-d8	1.247	1.241		-0.48	20
4-Bromofluorobenzene	0.466	0.466		0	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\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	183021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122973	46.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.040%			
35) Dibromofluoromethane	8.165	113	100644	49.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	370307	49.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.560%			
62) 4-Bromofluorobenzene	12.847	95	138983	49.994	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	92598	44.011	ug/l	96
3) Chloromethane	2.359	50	101929	40.824	ug/l	99
4) Vinyl Chloride	2.512	62	100170	44.265	ug/l	97
5) Bromomethane	2.900	94	52604	43.874	ug/l	93
6) Chloroethane	3.071	64	65338	46.548	ug/l	98
7) Trichlorofluoromethane	3.465	101	173596	46.569	ug/l	98
8) Diethyl Ether	3.953	74	62208	47.307	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.347	101	100421	47.675	ug/l	98
10) Methyl Iodide	4.577	142	133872	47.554	ug/l	96
11) Tert butyl alcohol	5.536	59	92292	264.502	ug/l	99
12) 1,1-Dichloroethene	4.324	96	93006	44.624	ug/l	96
13) Acrolein	4.171	56	83660	240.444	ug/l	100
14) Allyl chloride	5.006	41	155453	45.991	ug/l	94
15) Acrylonitrile	5.712	53	254557	252.005	ug/l	100
16) Acetone	4.424	43	217622	285.402	ug/l	94
17) Carbon Disulfide	4.694	76	250866	39.085	ug/l	97
18) Methyl Acetate	5.018	43	124668	44.235	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	327032	51.192	ug/l	99
20) Methylene Chloride	5.265	84	106110	45.640	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	95494	44.620	ug/l	94
22) Diisopropyl ether	6.671	45	324001	48.241	ug/l	97
23) Vinyl Acetate	6.594	43	1174644	253.614	ug/l	98
24) 1,1-Dichloroethane	6.559	63	188032	46.632	ug/l	98
25) 2-Butanone	7.483	43	330172	267.725	ug/l	96
26) 2,2-Dichloropropane	7.488	77	175211	49.924	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	118386	47.375	ug/l	97
28) Bromochloromethane	7.812	49	85591	53.278	ug/l	92
29) Tetrahydrofuran	7.835	42	214543	262.227	ug/l	97
30) Chloroform	7.959	83	200430	48.836	ug/l	99
31) Cyclohexane	8.253	56	154078	42.218	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	180989	48.451	ug/l	99
36) 1,1-Dichloropropene	8.365	75	133944	47.829	ug/l	99
37) Ethyl Acetate	7.559	43	130931	51.530	ug/l	98
38) Carbon Tetrachloride	8.359	117	157953	50.460	ug/l	98
39) Methylcyclohexane	9.600	83	149896	52.613	ug/l	98
40) Benzene	8.600	78	425418	47.302	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72885	53.342 ug/l	94
42) 1,2-Dichloroethane	8.665	62	144374	49.567 ug/l	99
43) Isopropyl Acetate	8.682	43	224692	47.825 ug/l	96
44) Trichloroethene	9.347	130	99881	48.155 ug/l	99
45) 1,2-Dichloropropane	9.618	63	104146	49.364 ug/l	100
46) Dibromomethane	9.706	93	73439	49.331 ug/l	97
47) Bromodichloromethane	9.882	83	156706	49.937 ug/l	97
48) Methyl methacrylate	9.677	41	105291	53.245 ug/l	96
49) 1,4-Dioxane	9.694	88	37425	1067.991 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	660493	272.681 ug/l	98
52) Toluene	10.629	92	267694	50.893 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	161582	49.744 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	173736	50.535 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	100973	50.961 ug/l	97
56) Ethyl methacrylate	10.871	69	163651	57.102 ug/l	95
57) 1,3-Dichloropropane	11.159	76	172274	50.662 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368650	274.890 ug/l	96
59) 2-Hexanone	11.194	43	509612	289.044 ug/l	97
60) Dibromochloromethane	11.359	129	121279	53.707 ug/l	100
61) 1,2-Dibromoethane	11.470	107	102488	50.512 ug/l	99
64) Tetrachloroethene	11.100	164	89341	51.302 ug/l	98
65) Chlorobenzene	11.888	112	283901	48.471 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	103384	50.745 ug/l	99
67) Ethyl Benzene	11.965	91	507373	51.895 ug/l	100
68) m/p-Xylenes	12.070	106	383793	103.688 ug/l	99
69) o-Xylene	12.400	106	184608	53.315 ug/l	99
70) Styrene	12.412	104	319310	52.864 ug/l	99
71) Bromoform	12.576	173	82231	53.640 ug/l #	97
73) Isopropylbenzene	12.694	105	476637	50.098 ug/l	99
74) N-amyl acetate	12.494	43	200629	49.546 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	148221	46.674 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	119343m	43.975 ug/l	
77) Bromobenzene	12.976	156	118331	46.265 ug/l	93
78) n-propylbenzene	13.035	91	560738	50.296 ug/l	98
79) 2-Chlorotoluene	13.123	91	353328	48.502 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	412425	52.302 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61265	53.556 ug/l	98
82) 4-Chlorotoluene	13.217	91	358231	46.727 ug/l	99
83) tert-Butylbenzene	13.435	119	338852	51.922 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	419220	51.510 ug/l	99
85) sec-Butylbenzene	13.612	105	477749	51.824 ug/l	100
86) p-Isopropyltoluene	13.729	119	406434	53.758 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	223773	44.831 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	224268	48.971 ug/l	99
89) n-Butylbenzene	14.053	91	347239	49.100 ug/l	99
90) Hexachloroethane	14.335	117	75759	44.933 ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	222960	46.484 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31339	48.712 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	120654	45.957 ug/l	99
94) Hexachlorobutadiene	15.500	225	54821	47.550 ug/l	98
95) Naphthalene	15.641	128	388305	49.414 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	118192	46.377 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

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

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

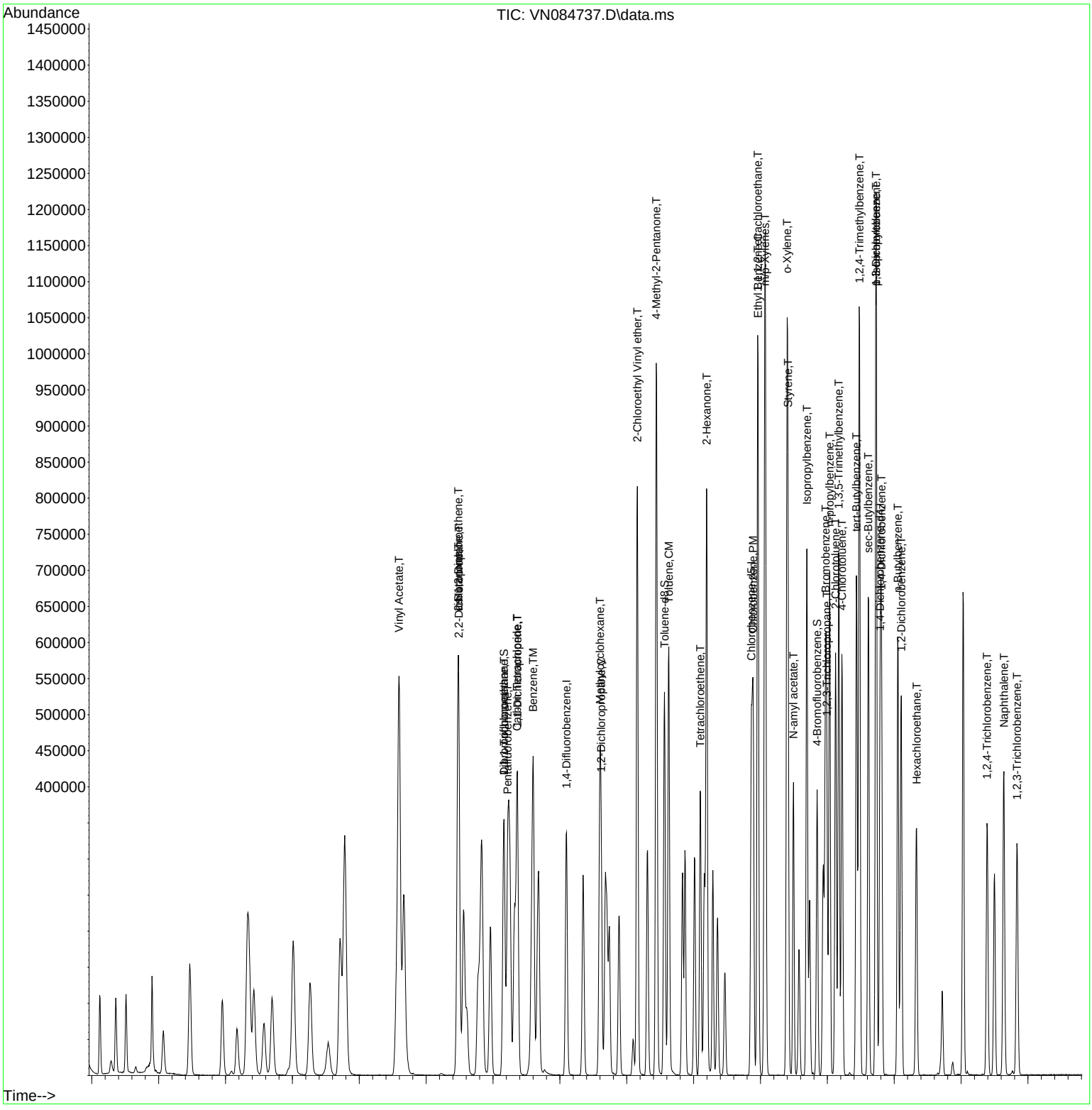
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

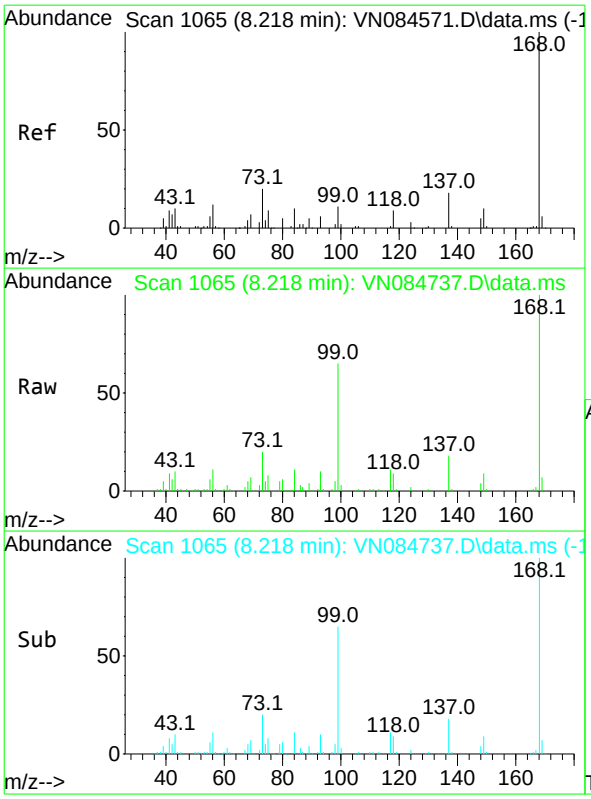
Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

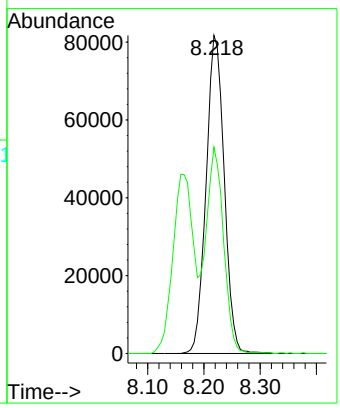




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:168 Resp: 183021

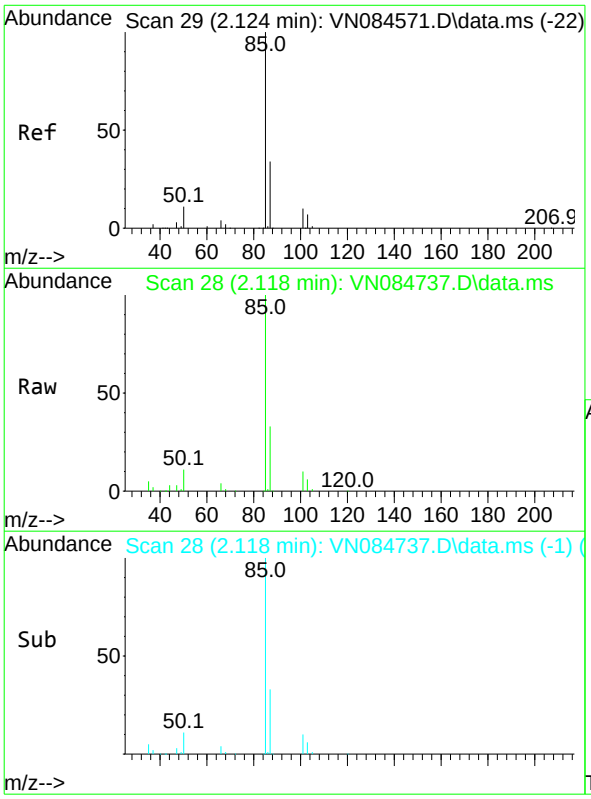
Ion	Ratio	Lower	Upper
168	100		
99	64.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

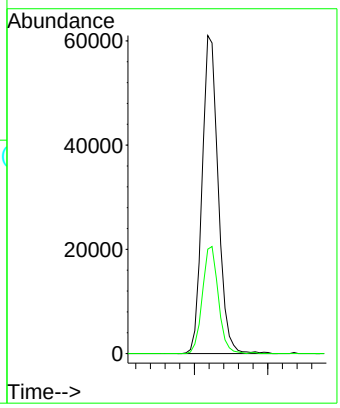
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

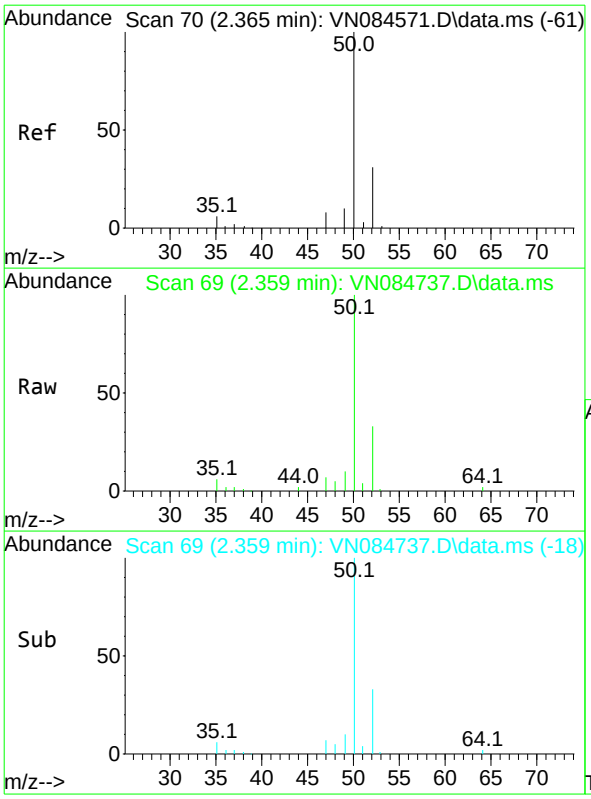


#2
Dichlorodifluoromethane
Concen: 44.011 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 85 Resp: 92598

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9

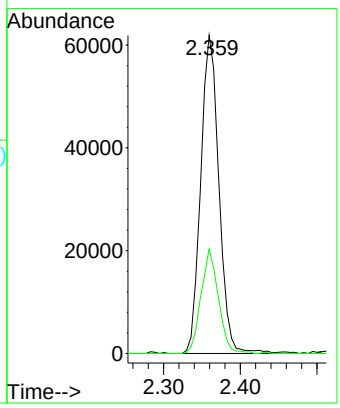




#3
Chloromethane
Concen: 40.824 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 50 Resp: 101929

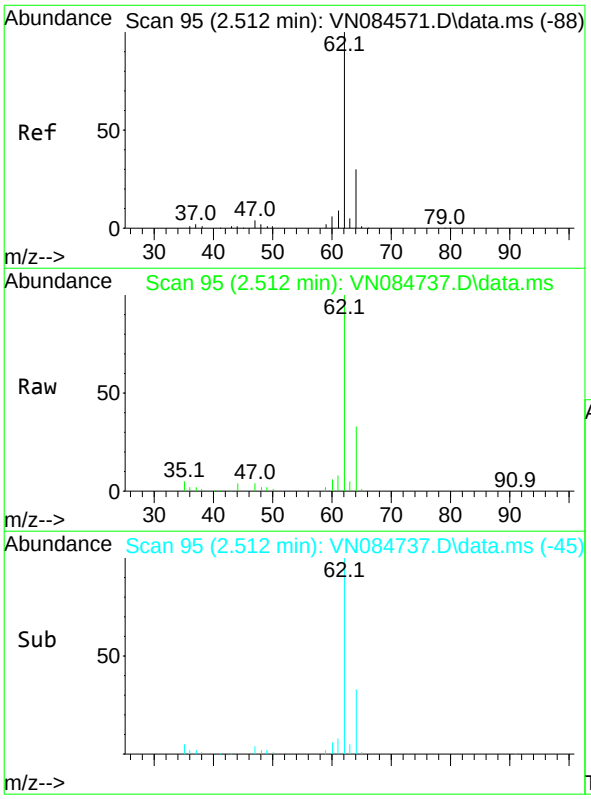
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

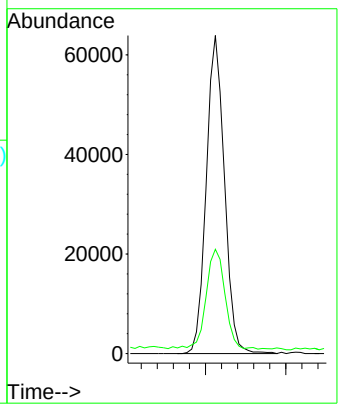
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

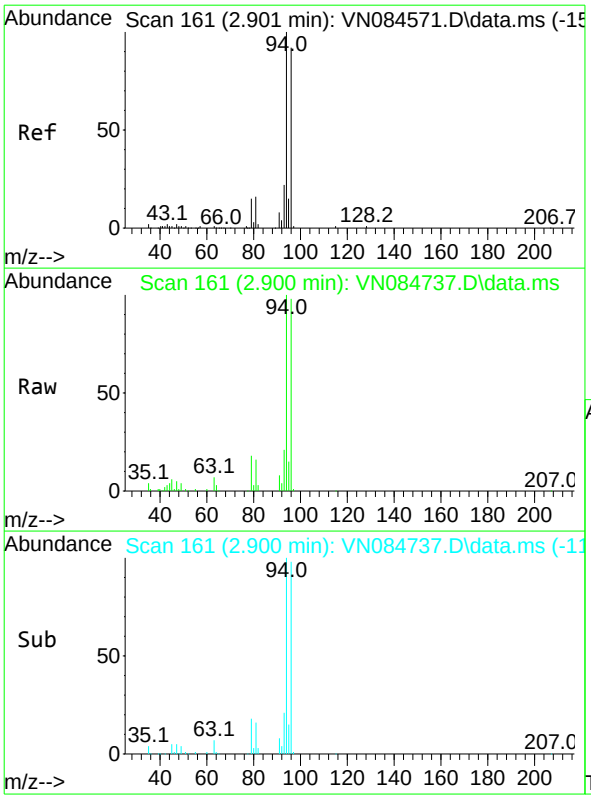


#4
Vinyl Chloride
Concen: 44.265 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 62 Resp: 100170

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4

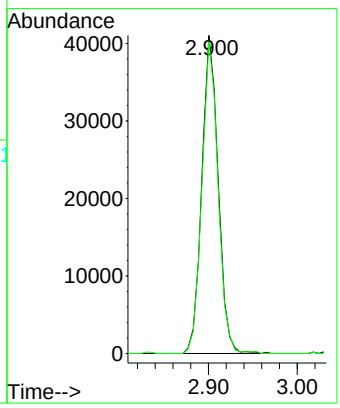




#5
Bromomethane
Concen: 43.874 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 94 Resp: 52604

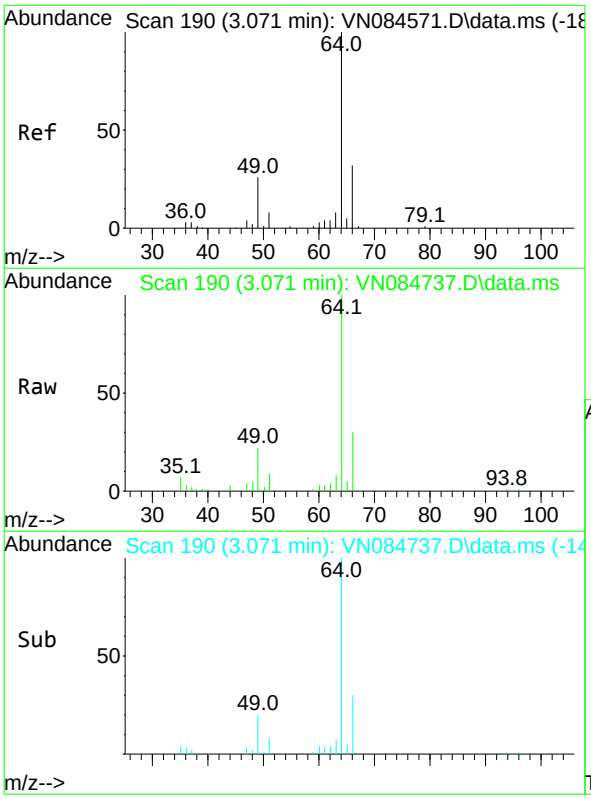
Ion	Ratio	Lower	Upper
94	100		
96	98.0	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

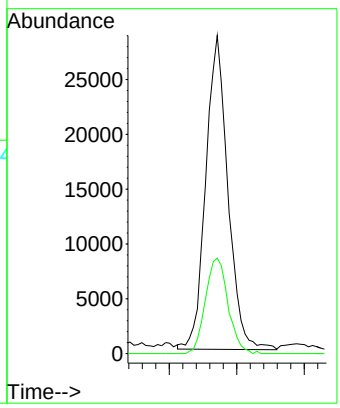
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

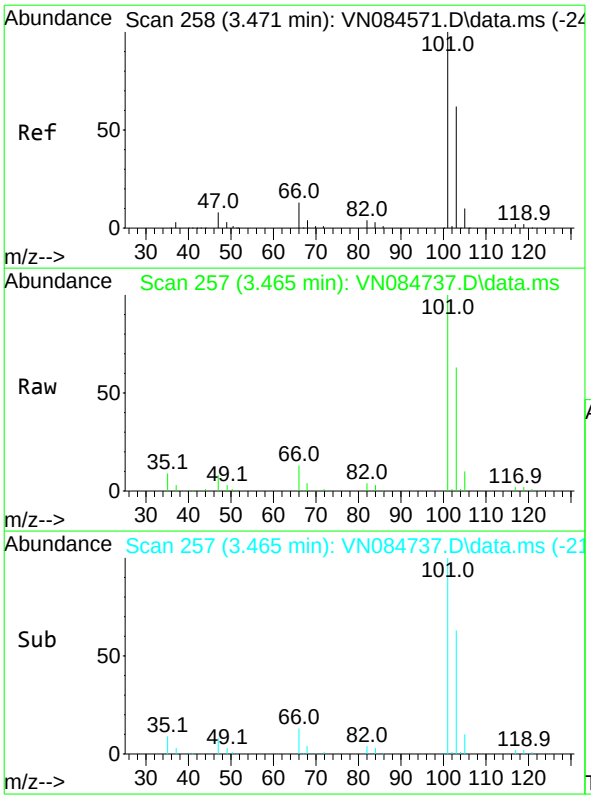


#6
Chloroethane
Concen: 46.548 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 64 Resp: 65338

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3

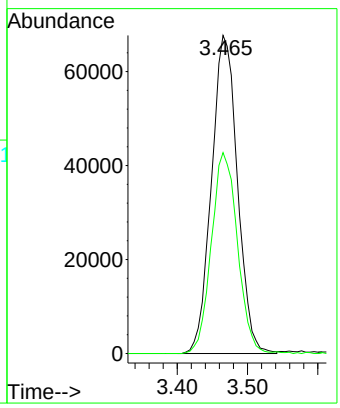




#7
Trichlorofluoromethane
Concen: 46.569 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:101 Resp: 173596

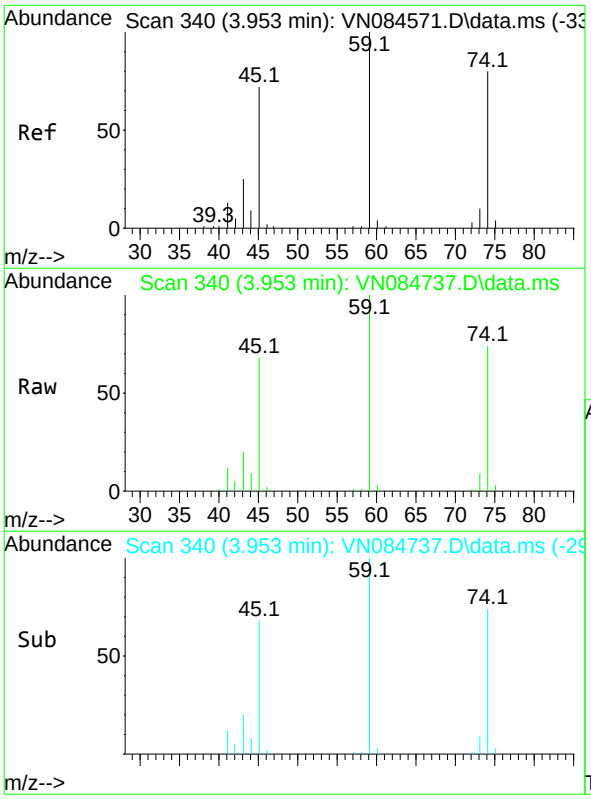
Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

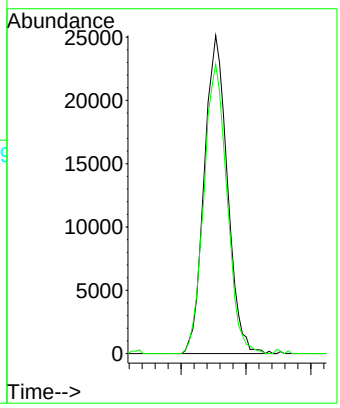
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

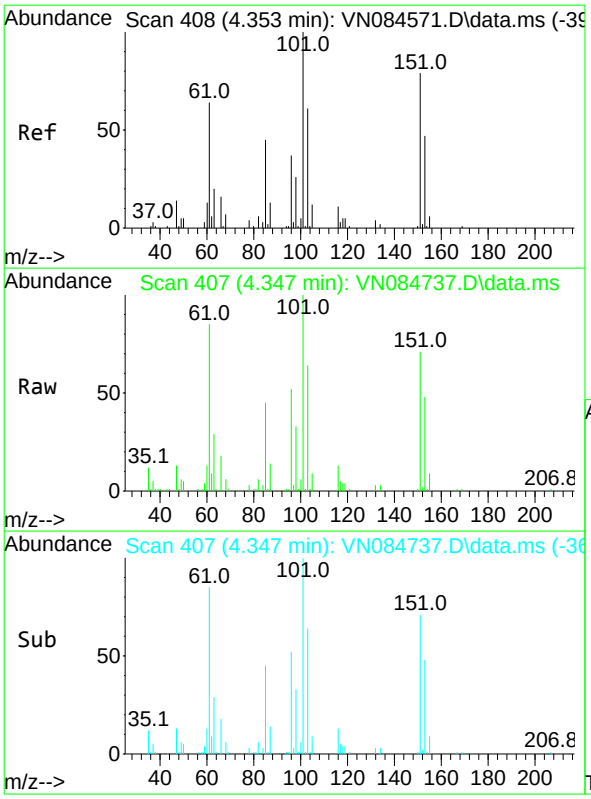


#8
Diethyl Ether
Concen: 47.307 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 74 Resp: 62208

Ion	Ratio	Lower	Upper
74	100		
45	91.2	47.7	143.1

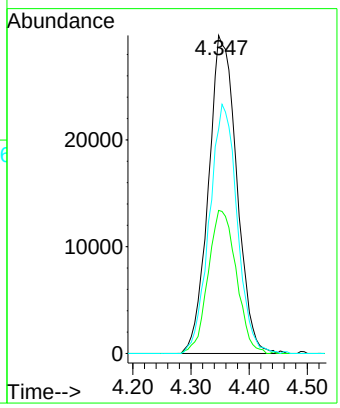




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.675 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.024 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:101 Resp: 100421

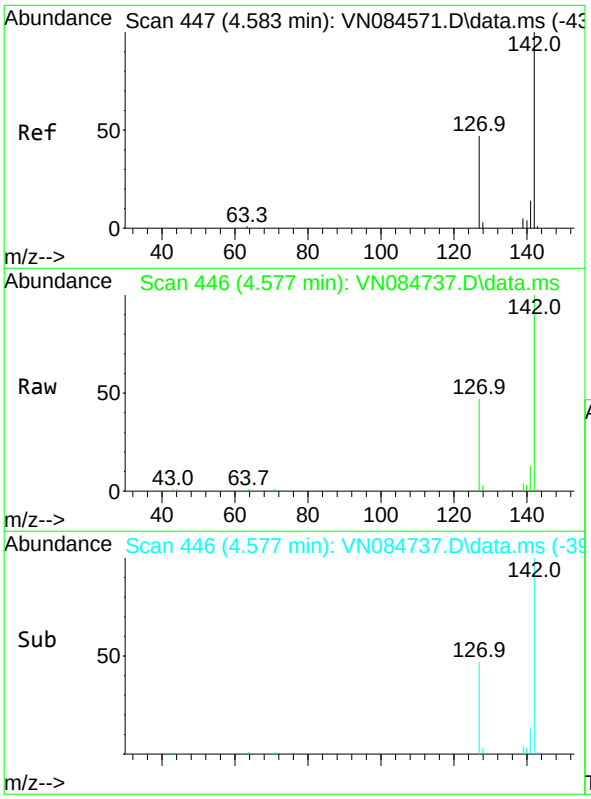
Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	77.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

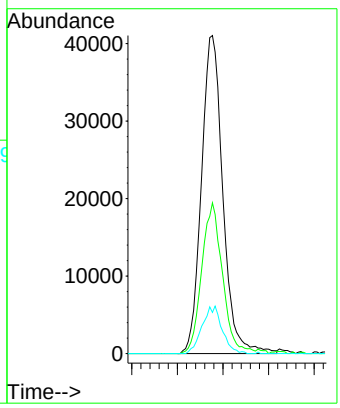
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

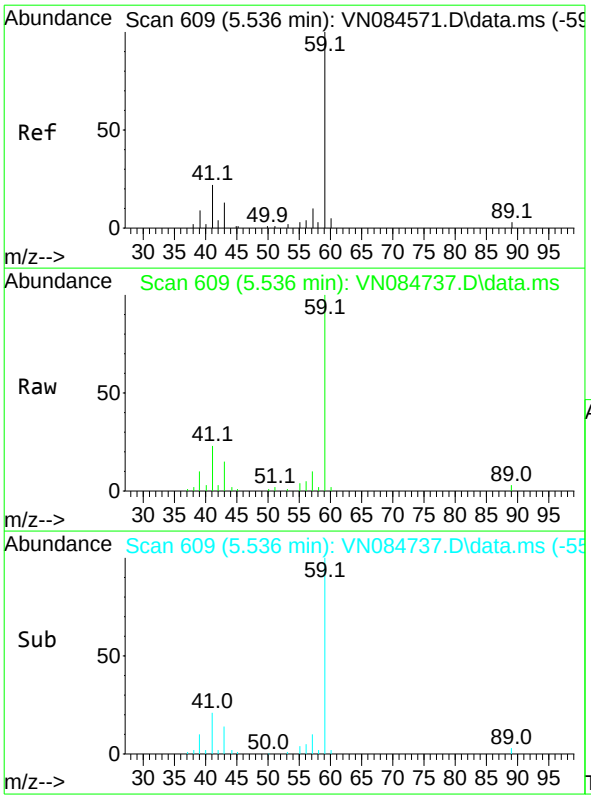


#10
Methyl Iodide
Concen: 47.554 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:142 Resp: 133872

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.3	52.9
141	13.0	11.0	16.6

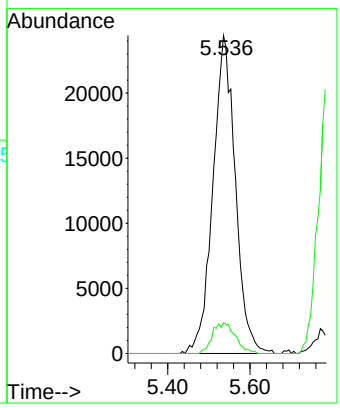




#11
Tert butyl alcohol
Concen: 264.502 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 59 Resp: 92292

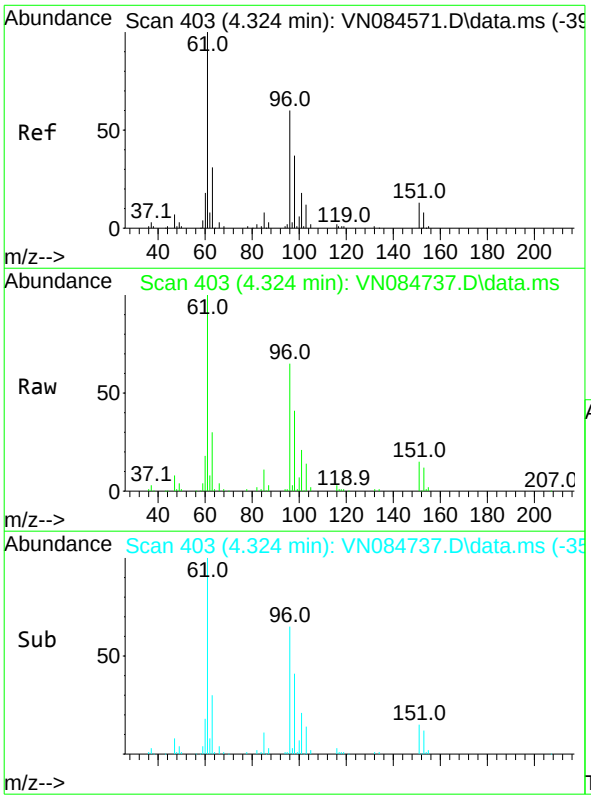
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

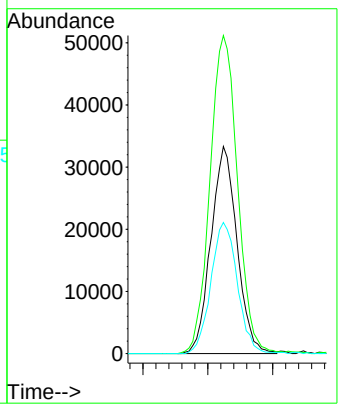
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

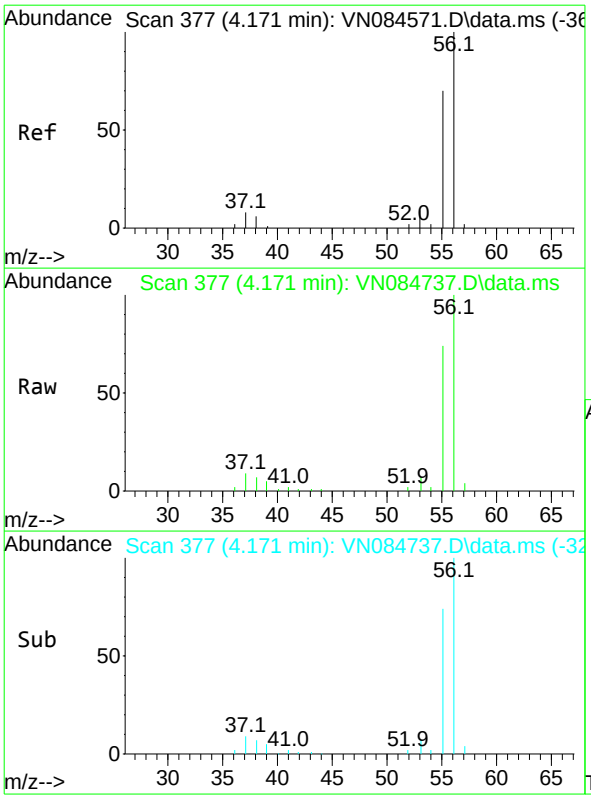


#12
1,1-Dichloroethene
Concen: 44.624 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 96 Resp: 93006

Ion	Ratio	Lower	Upper
96	100		
61	153.6	128.6	192.8
98	63.3	51.7	77.5

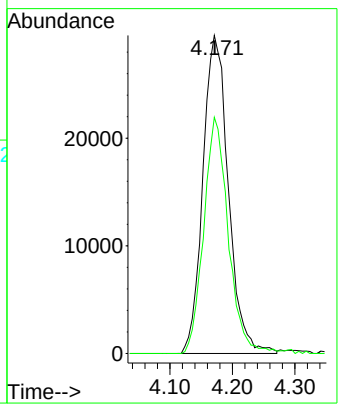




#13
Acrolein
Concen: 240.444 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 56 Resp: 83660

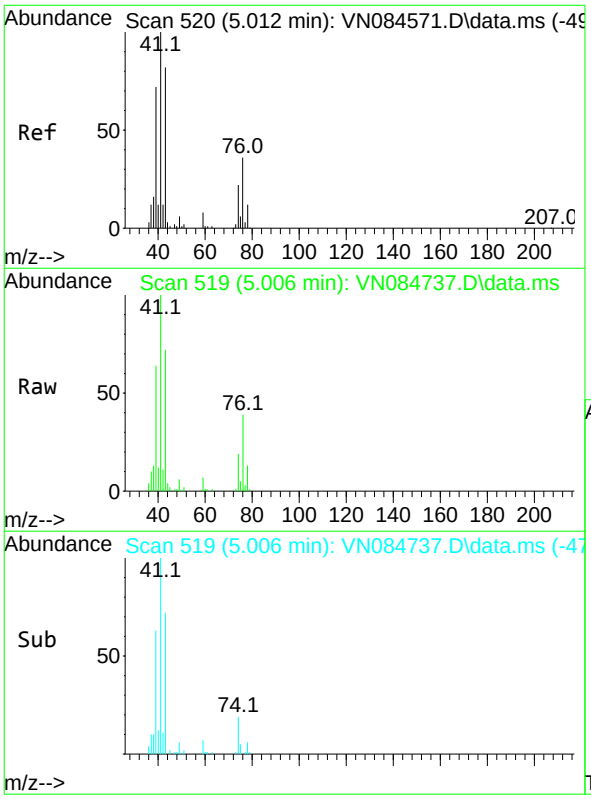
Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

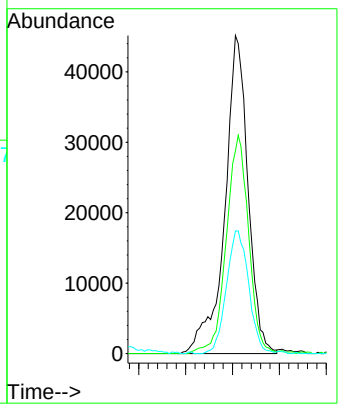
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

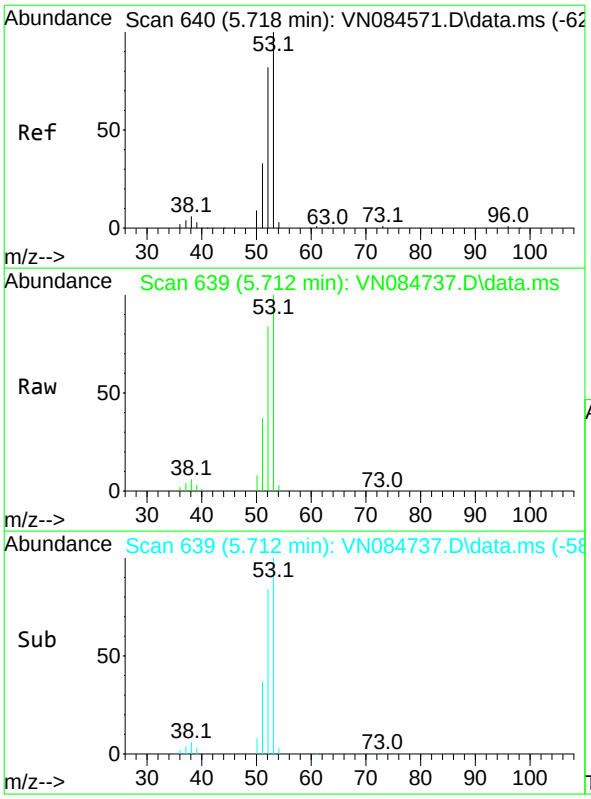


#14
Allyl chloride
Concen: 45.991 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 41 Resp: 155453

Ion	Ratio	Lower	Upper
41	100		
39	65.8	59.0	88.6
76	36.9	29.8	44.6

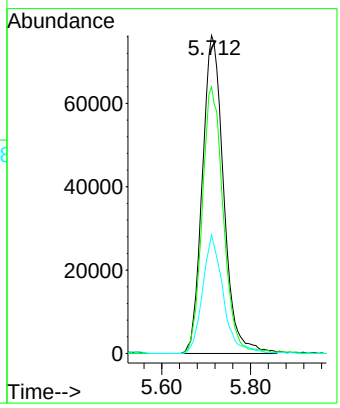




#15
Acrylonitrile
Concen: 252.005 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 53 Resp: 254557

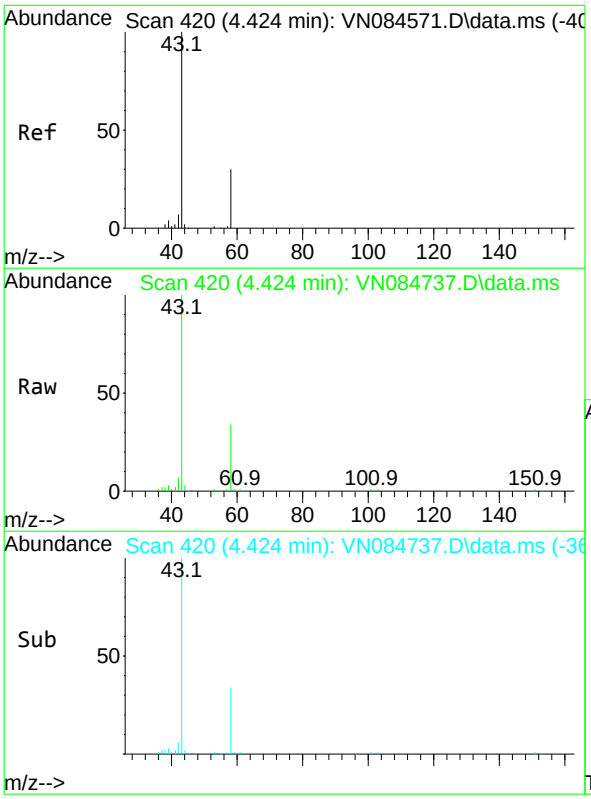
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

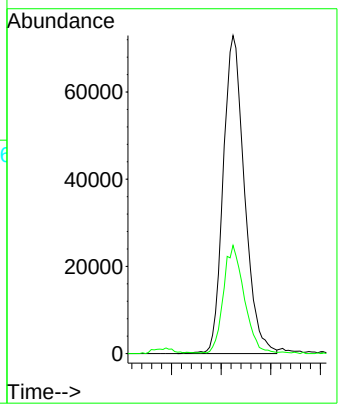
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

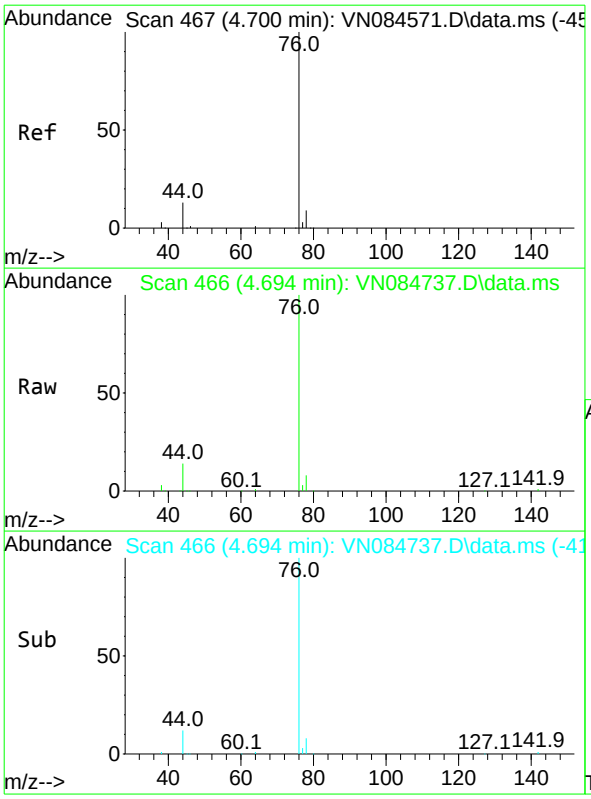


#16
Acetone
Concen: 285.402 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 217622

Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.4	36.6

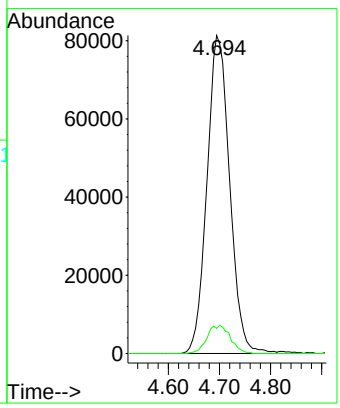




#17
Carbon Disulfide
Concen: 39.085 ug/l
RT: 4.694 min Scan# 46
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 76 Resp: 250866

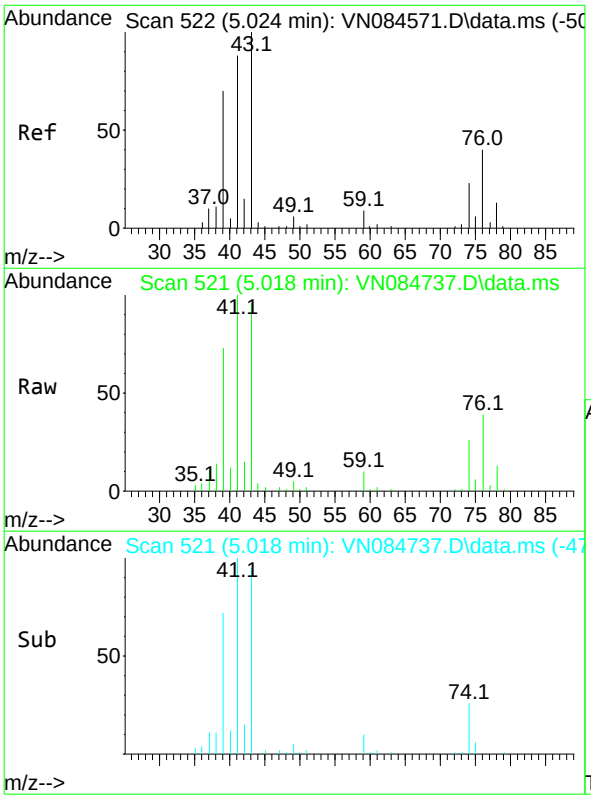
Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

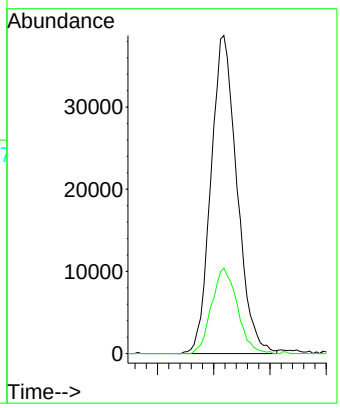
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

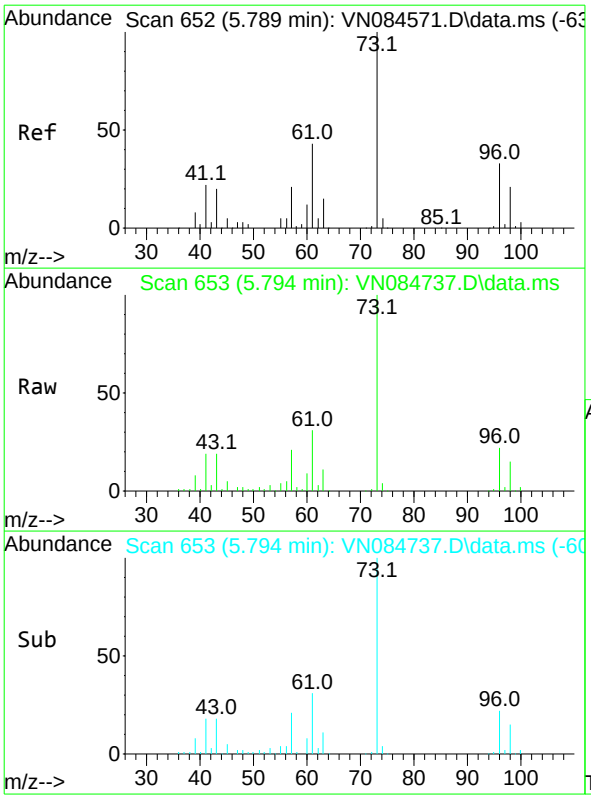


#18
Methyl Acetate
Concen: 44.235 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 124668

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.2	28.8

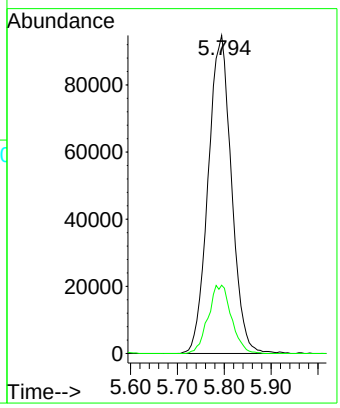




#19
Methyl tert-butyl Ether
Concen: 51.192 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 73 Resp: 327032

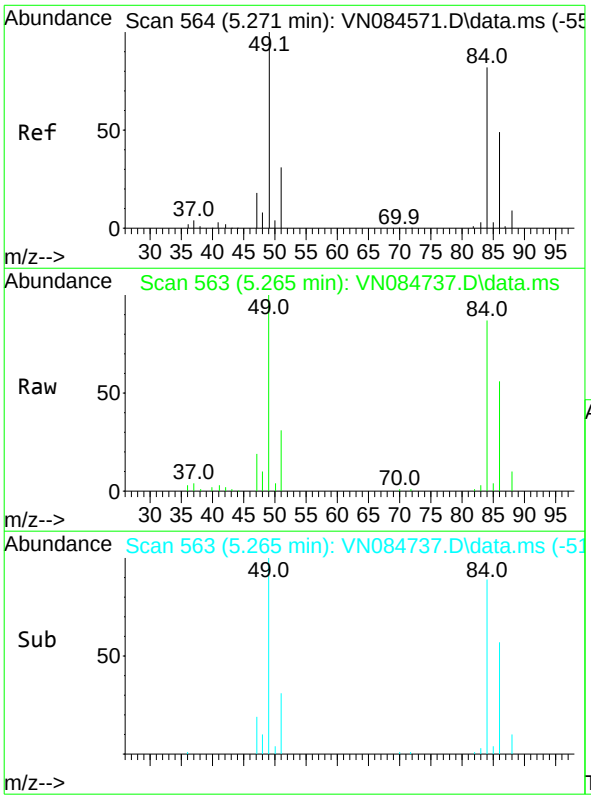
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

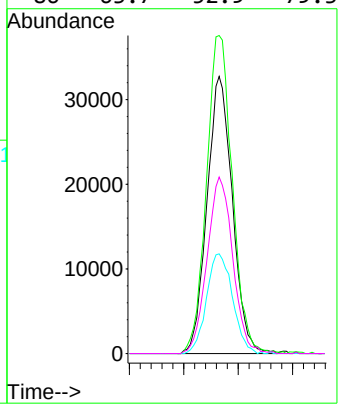
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

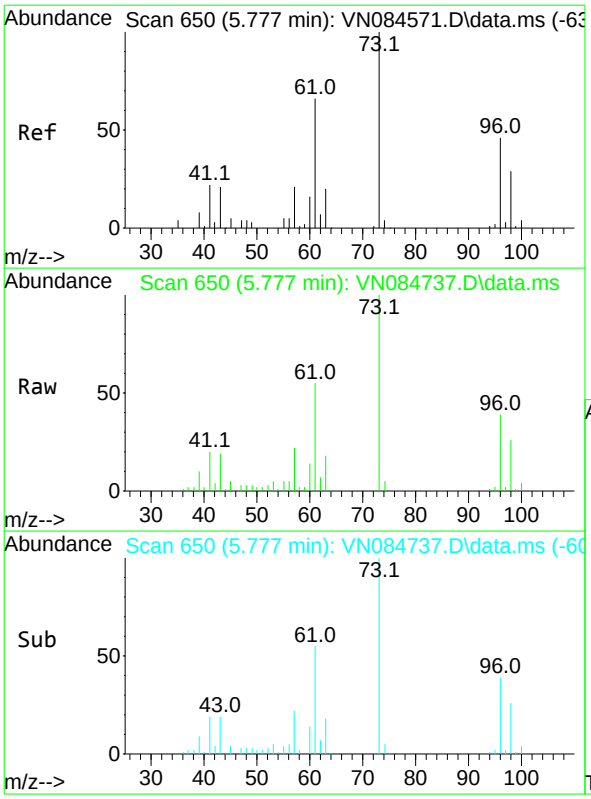


#20
Methylene Chloride
Concen: 45.640 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 84 Resp: 106110

Ion	Ratio	Lower	Upper
84	100		
49	114.8	107.2	160.8
51	36.0	31.8	47.8
86	63.7	52.9	79.3

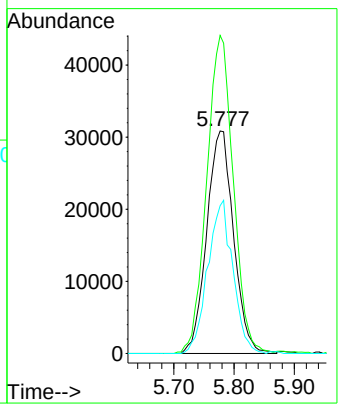




#21
trans-1,2-Dichloroethene
Concen: 44.620 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 96 Resp: 95494

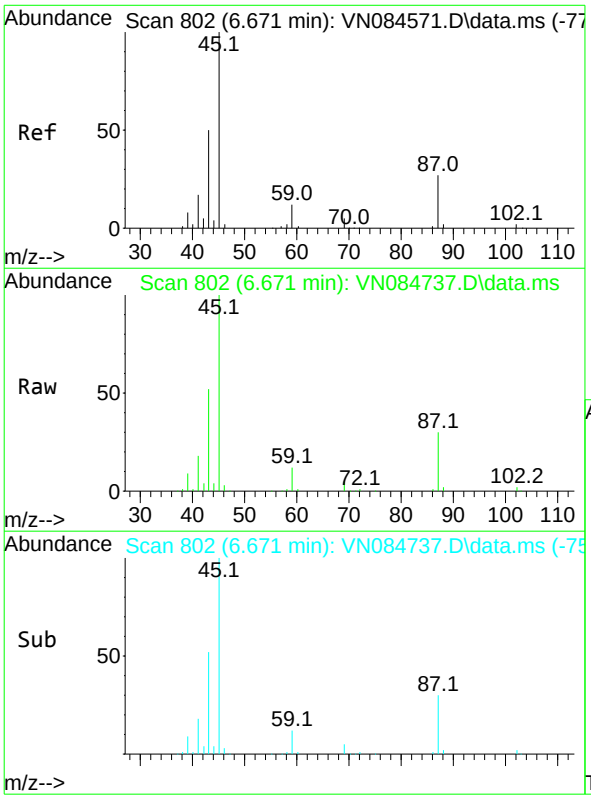
Ion	Ratio	Lower	Upper
96	100		
61	142.3	108.4	162.6
98	66.4	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

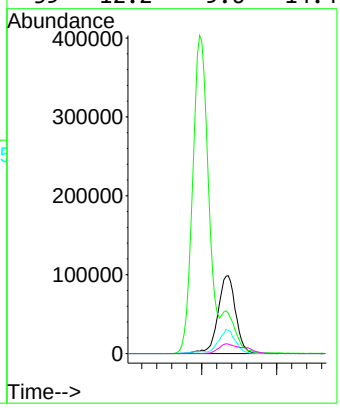
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

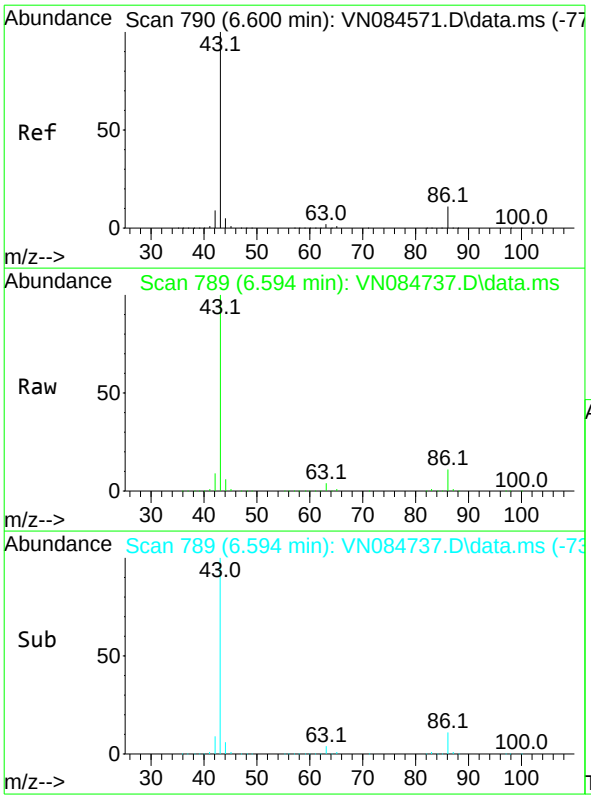


#22
Diisopropyl ether
Concen: 48.241 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 45 Resp: 324001

Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.3	63.5
87	29.6	21.8	32.6
59	12.2	9.6	14.4

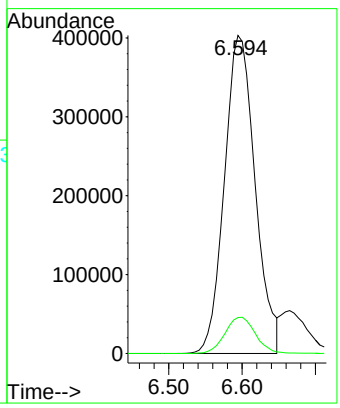




#23
Vinyl Acetate
Concen: 253.614 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 1174644

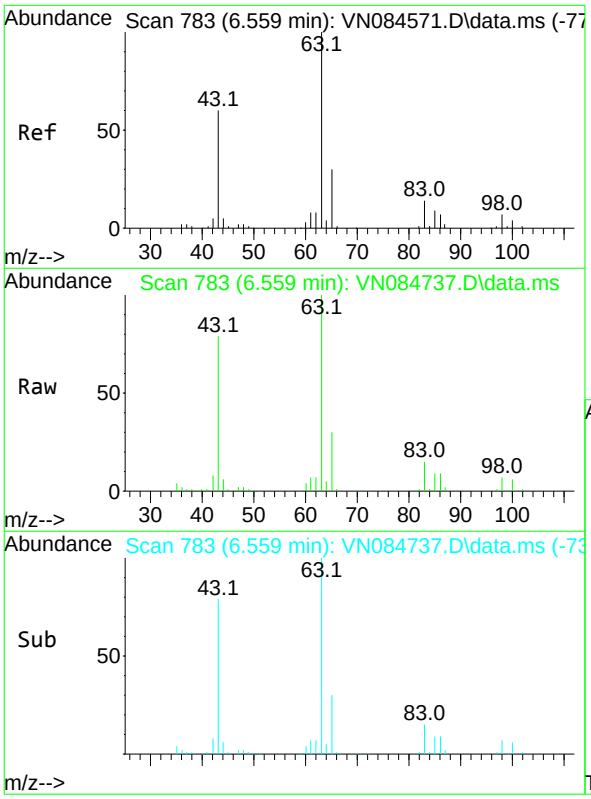
Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

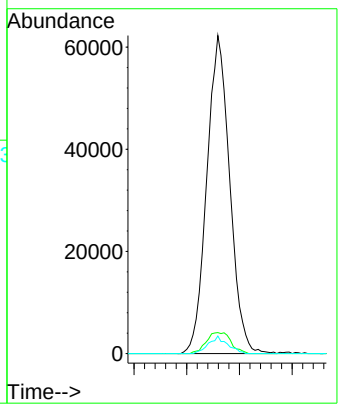
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

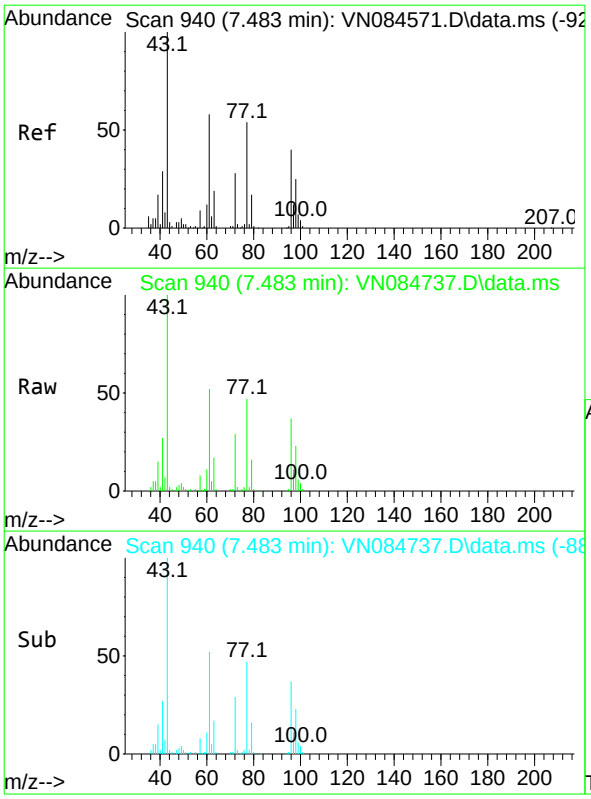


#24
1,1-Dichloroethane
Concen: 46.632 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 63 Resp: 188032

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	5.5	2.0	5.8

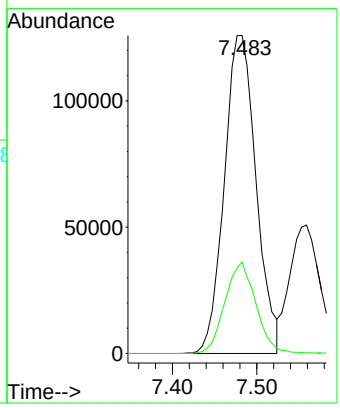




#25
2-Butanone
Concen: 267.725 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 330172

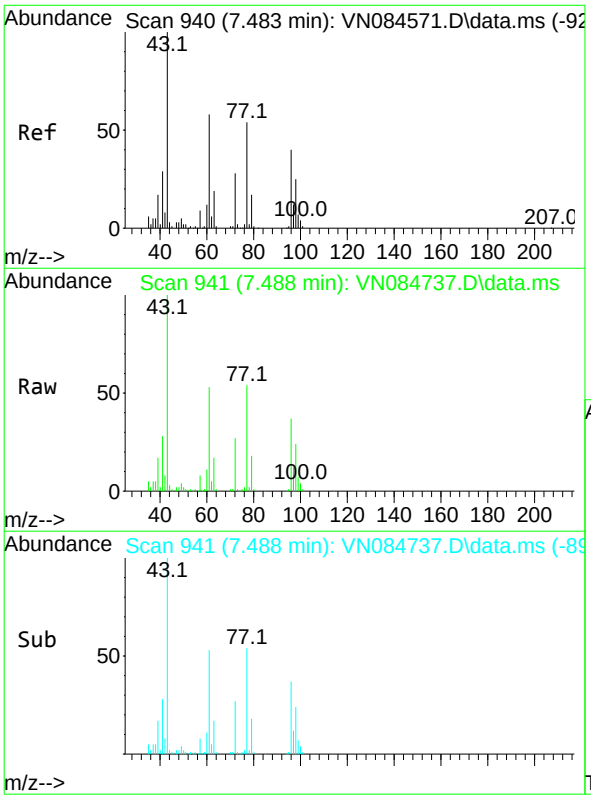
Ion	Ratio	Lower	Upper
43	100		
72	28.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

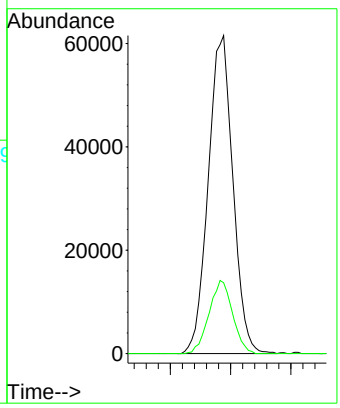
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

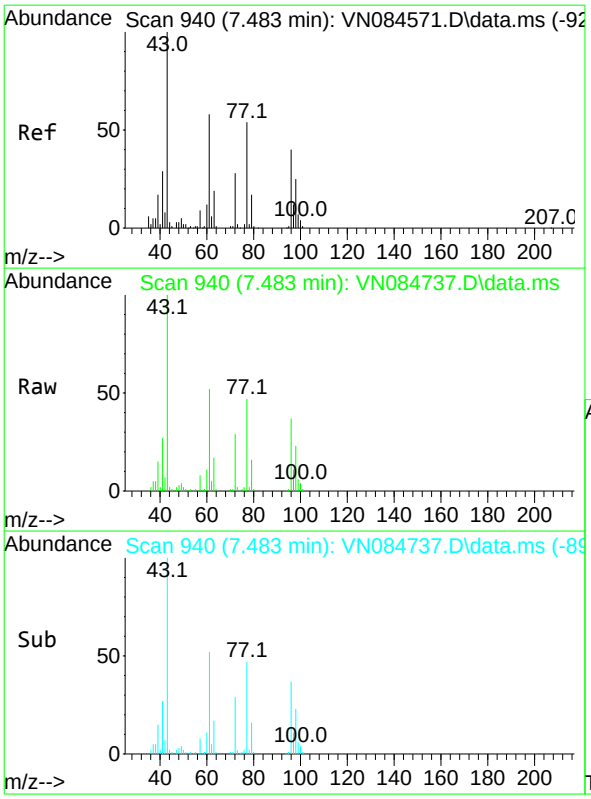


#26
2,2-Dichloropropane
Concen: 49.924 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 77 Resp: 175211

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3

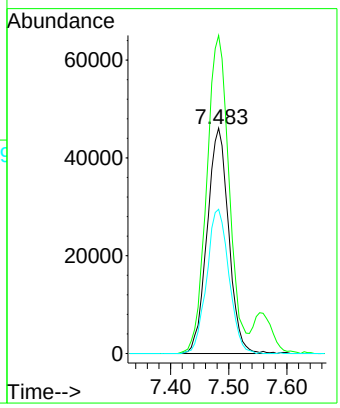




#27
cis-1,2-Dichloroethene
Concen: 47.375 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 96 Resp: 118386

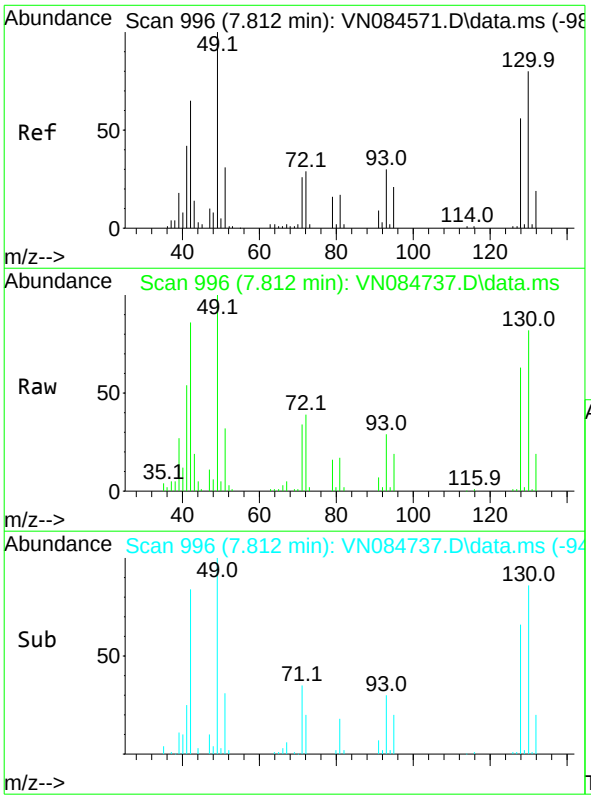
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	301.8
98	66.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

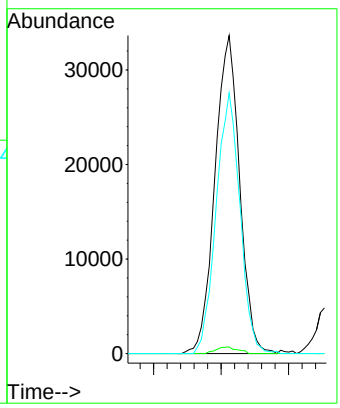
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

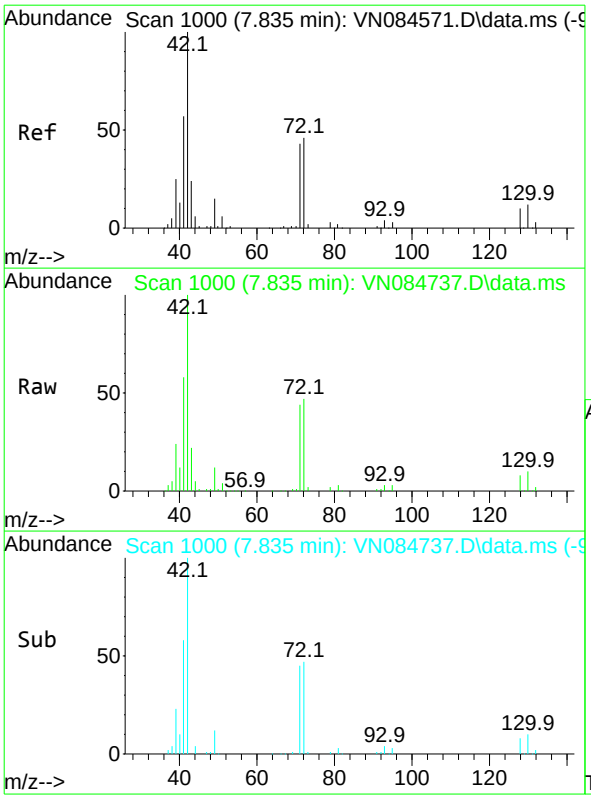


#28
Bromochloromethane
Concen: 53.278 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 49 Resp: 85591

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	79.0	58.0	87.0

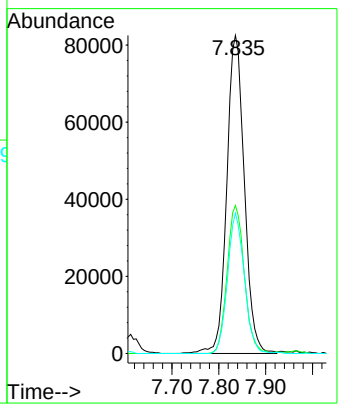




#29
Tetrahydrofuran
Concen: 262.227 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 42 Resp: 214543

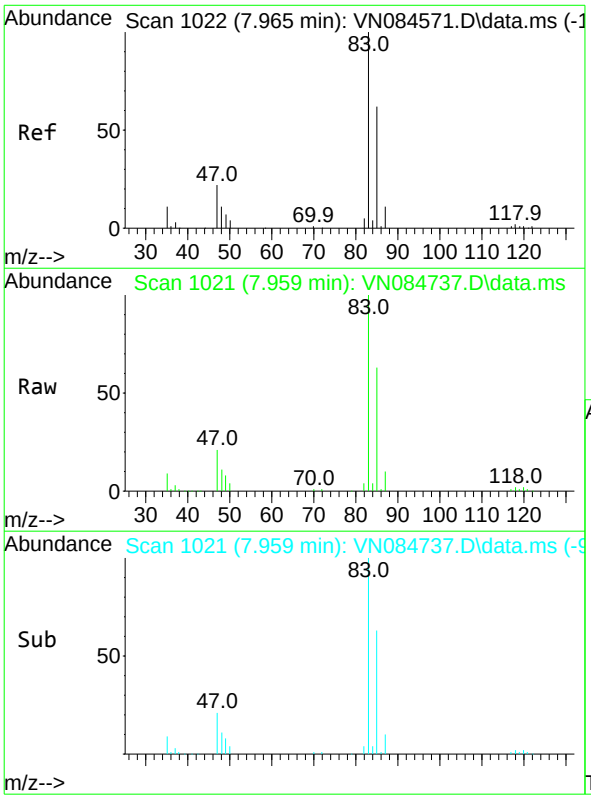
Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

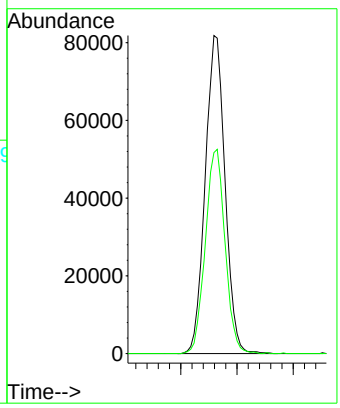
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

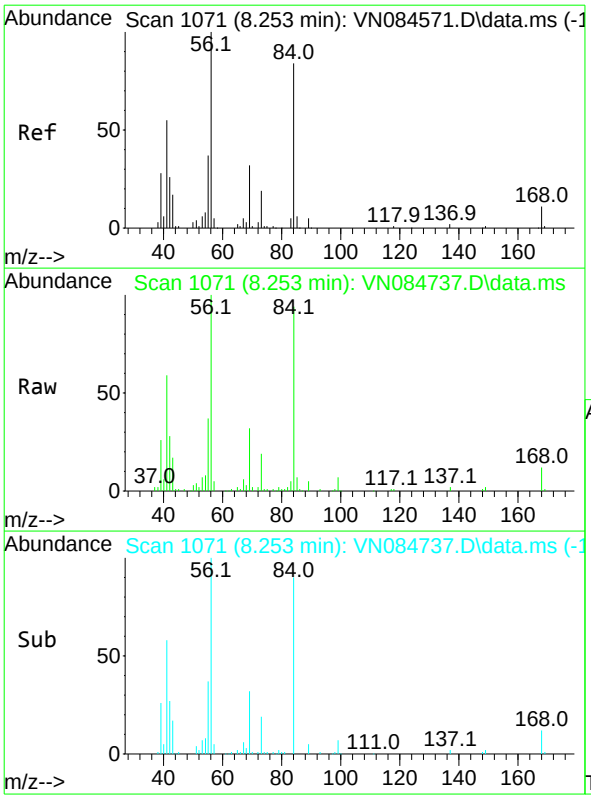


#30
Chloroform
Concen: 48.836 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 83 Resp: 200430

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4

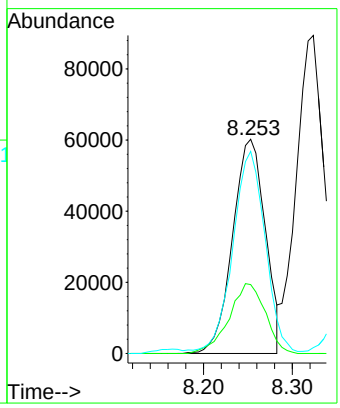




#31
Cyclohexane
Concen: 42.218 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 56 Resp: 154078

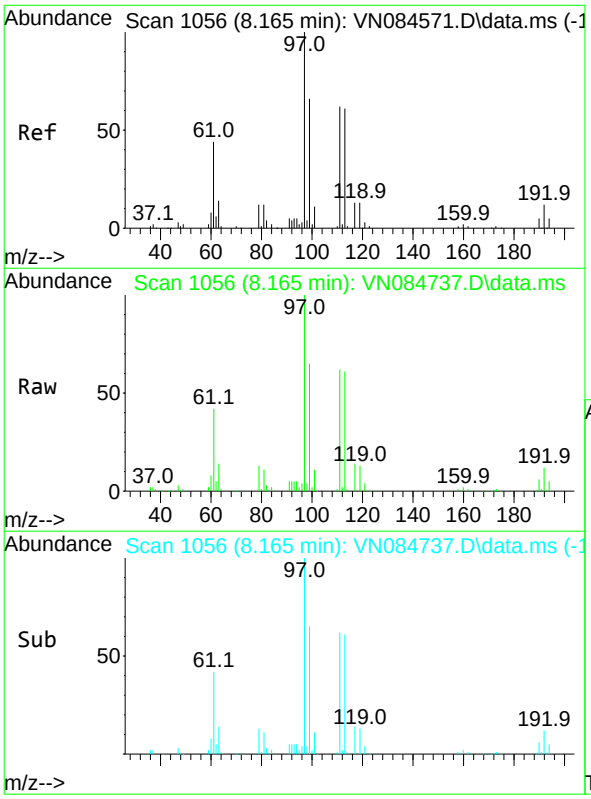
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.6
84	92.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

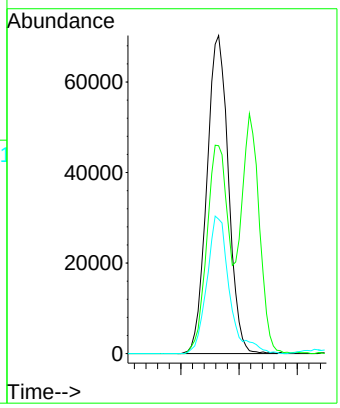
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

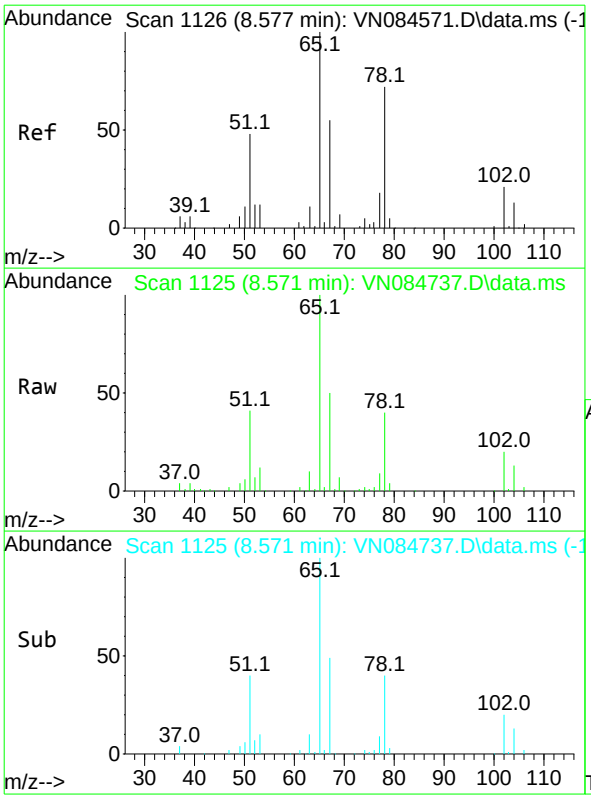


#32
1,1,1-Trichloroethane
Concen: 48.451 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 97 Resp: 180989

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.1	37.5	56.3

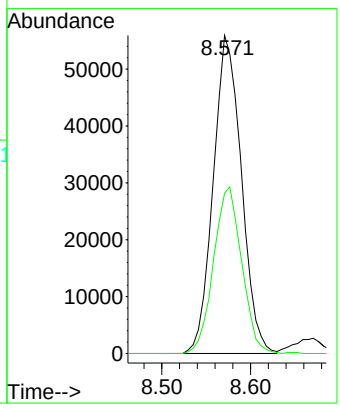




#33
1,2-Dichloroethane-d4
Concen: 46.520 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 65 Resp: 122973

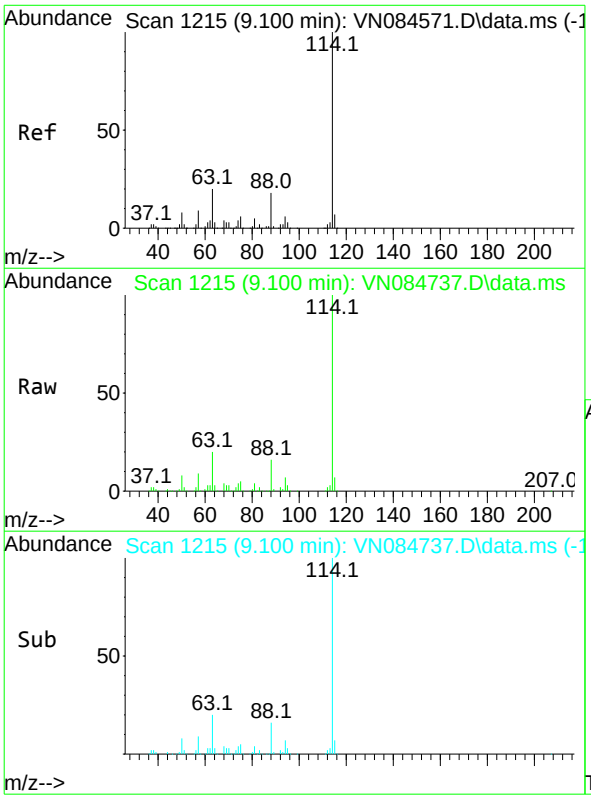
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

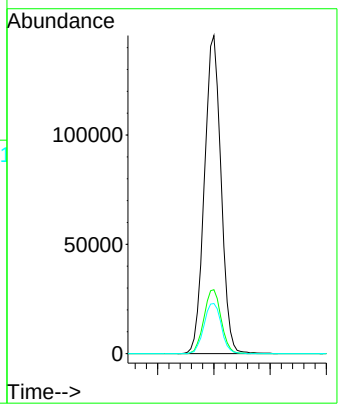
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

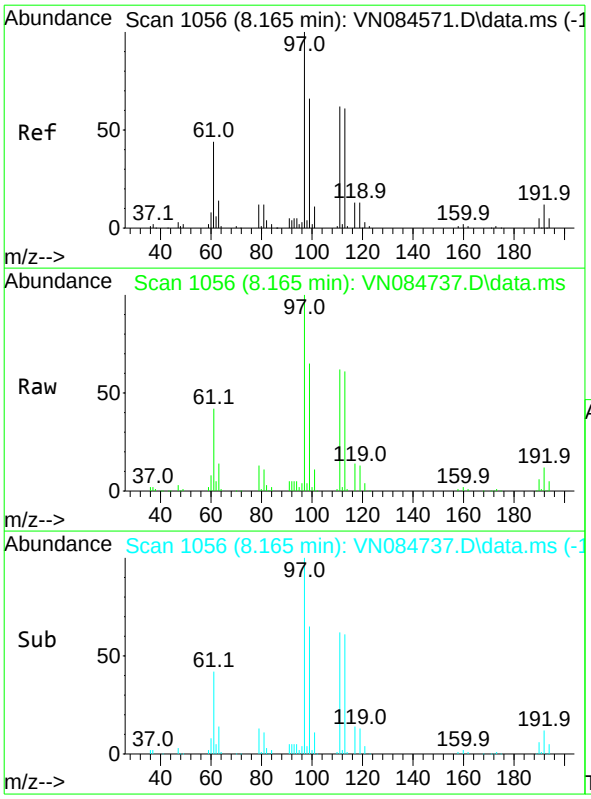


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:114 Resp: 298323

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	15.8	0.0	31.6

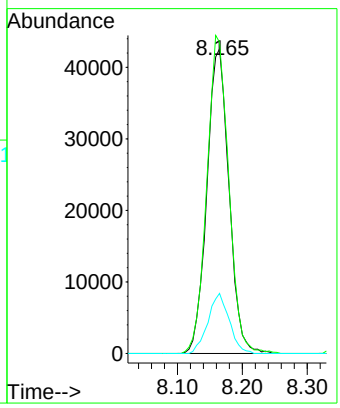




#35
Dibromofluoromethane
Concen: 49.841 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:113 Resp: 100644

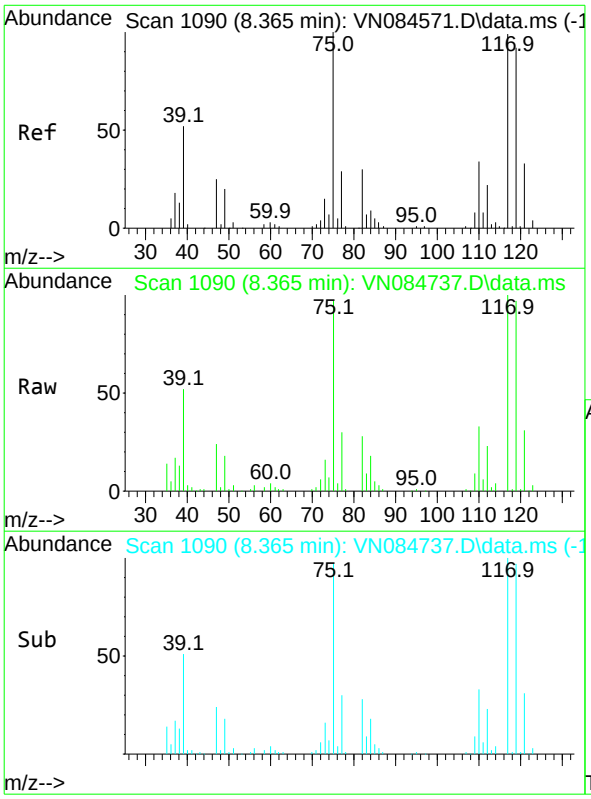
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	19.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

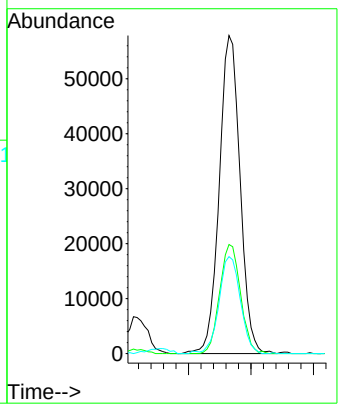
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

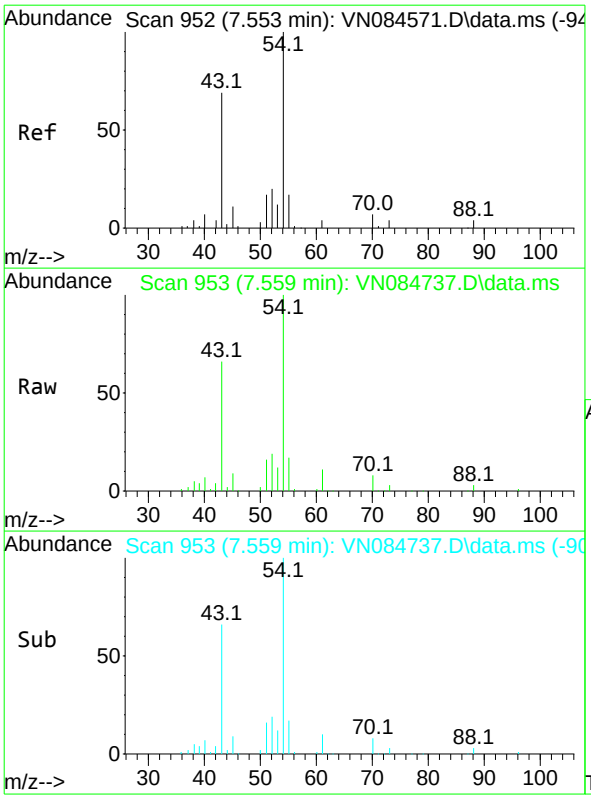


#36
1,1-Dichloropropene
Concen: 47.829 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 133944

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.7
77	31.3	24.7	37.1





#37
Ethyl Acetate
Concen: 51.530 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

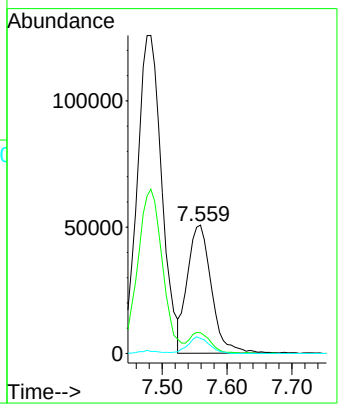
Tgt Ion: 43 Resp: 130931

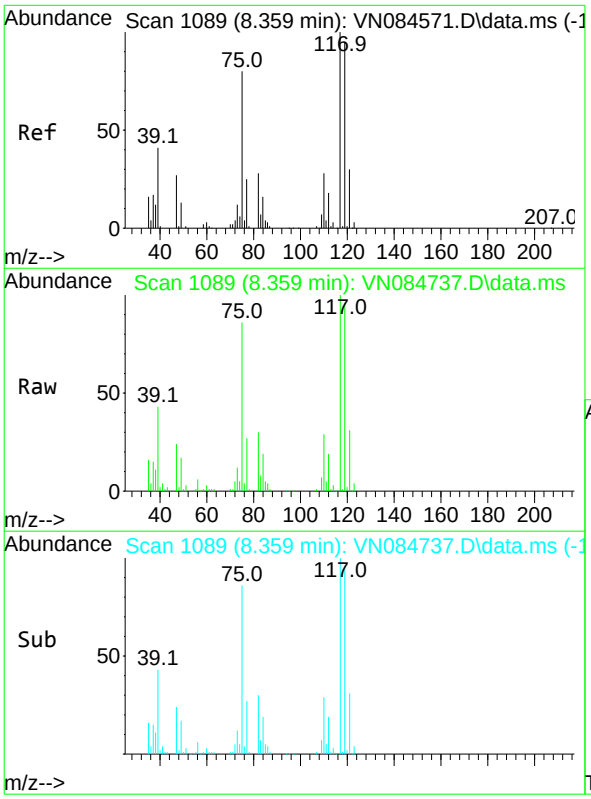
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.5	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

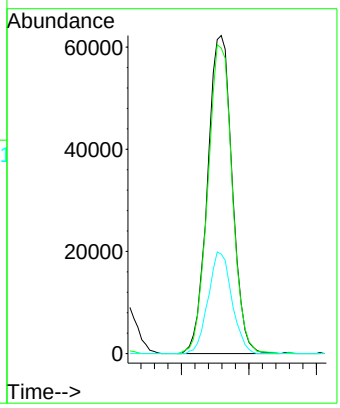


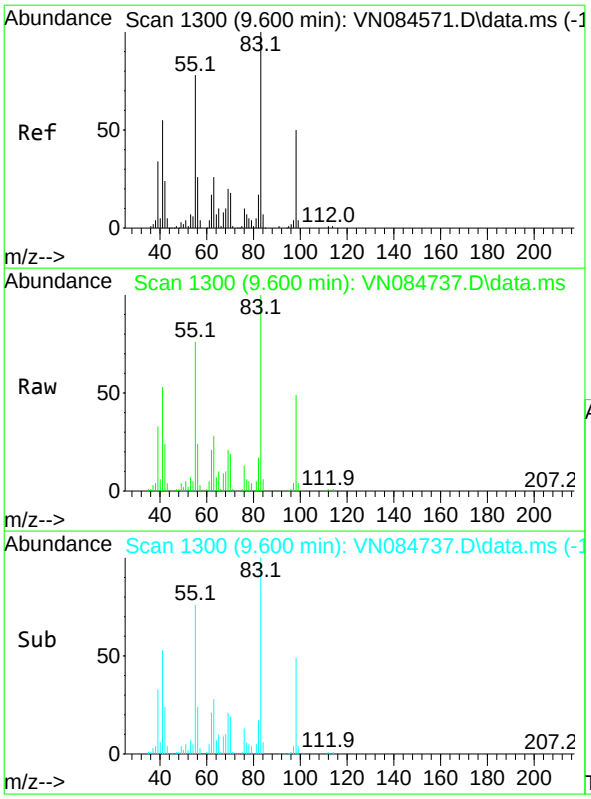


#38
Carbon Tetrachloride
Concen: 50.460 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:117 Resp: 157953

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	31.3	24.4	36.6

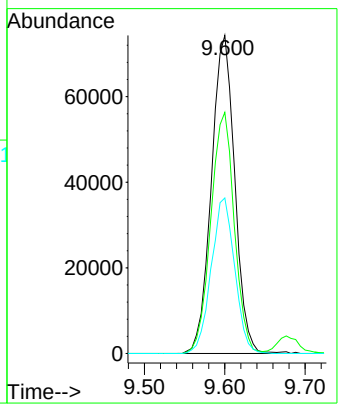




#39
Methylcyclohexane
Concen: 52.613 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 83 Resp: 149896

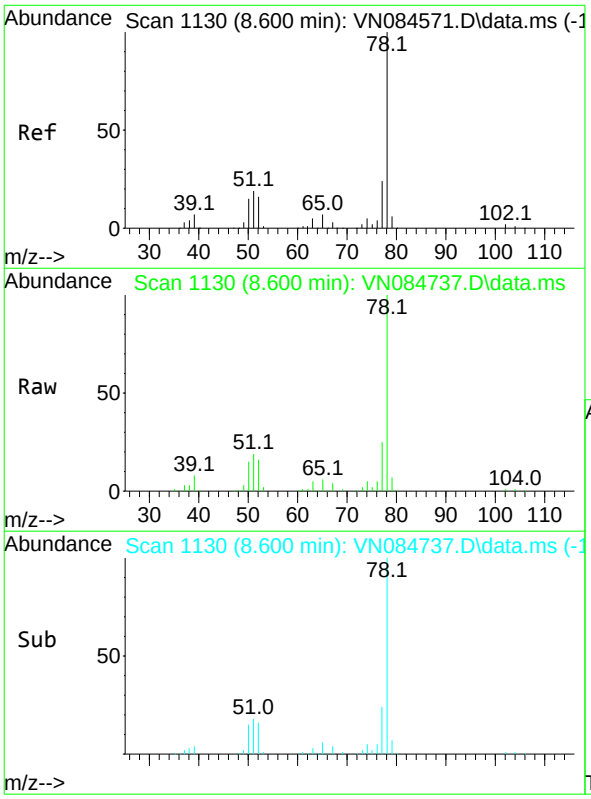
Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.8	94.2
98	48.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

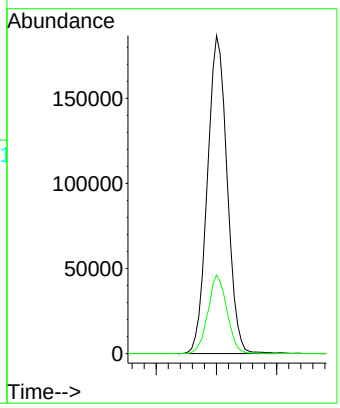
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

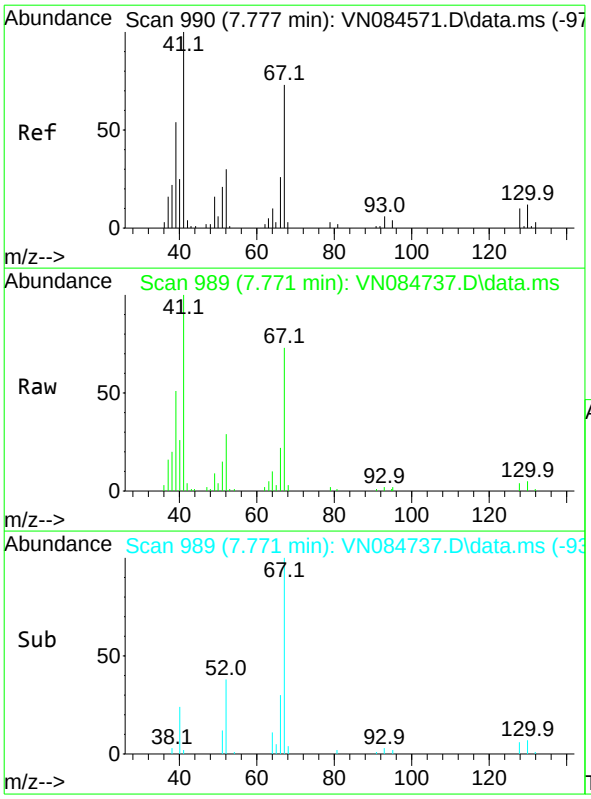


#40
Benzene
Concen: 47.302 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 78 Resp: 425418

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7

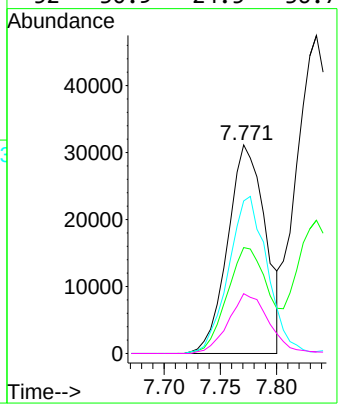




#41
Methacrylonitrile
Concen: 53.342 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 41 Resp: 72885

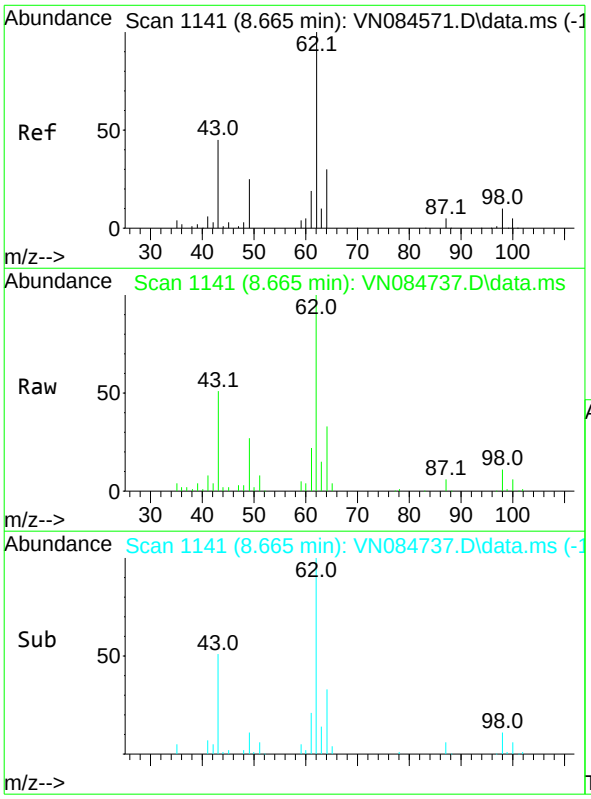
Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.3	64.9
67	77.2	56.1	84.1
52	30.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

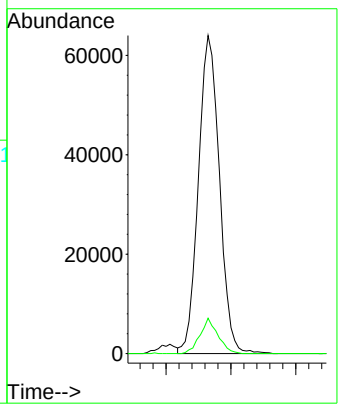
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

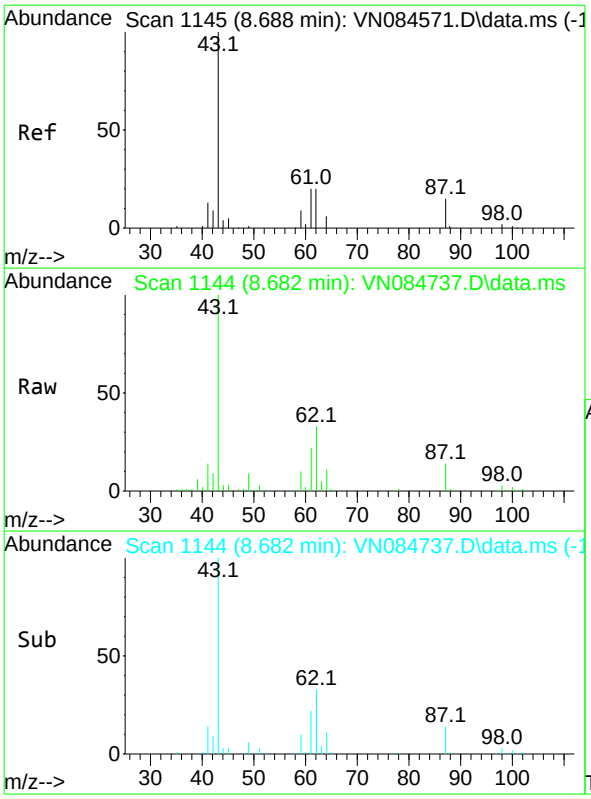


#42
1,2-Dichloroethane
Concen: 49.567 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 62 Resp: 144374

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

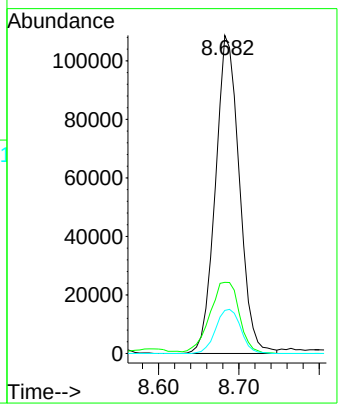




#43
Isopropyl Acetate
Concen: 47.825 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 224692

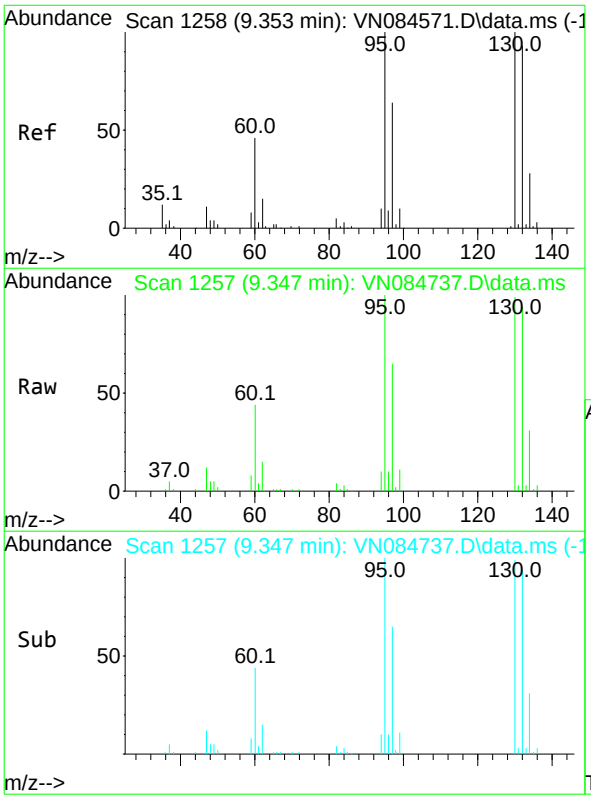
Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.4	30.6
87	14.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

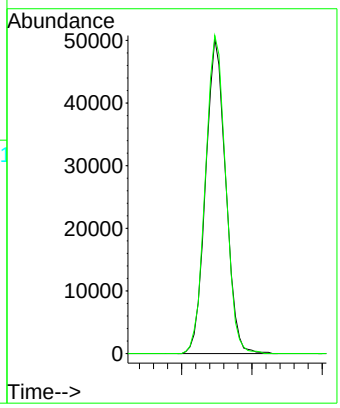
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

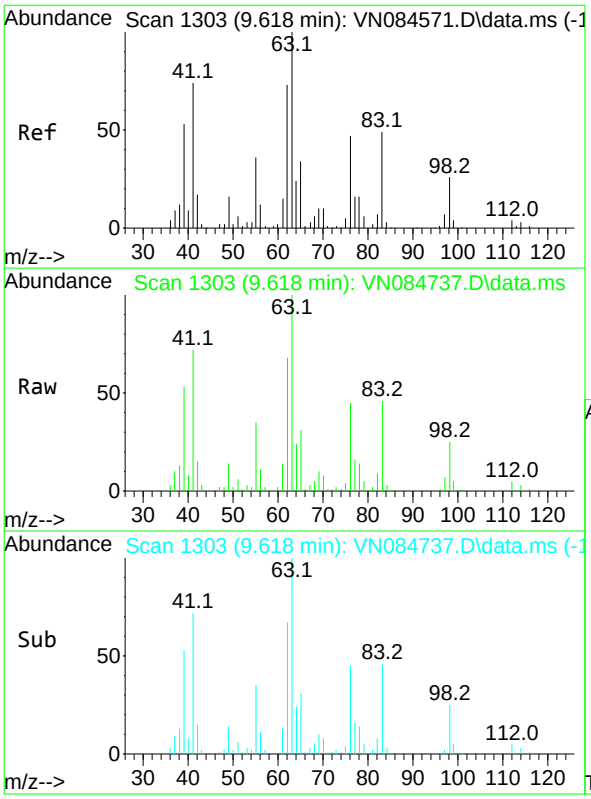


#44
Trichloroethene
Concen: 48.155 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:130 Resp: 99881

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	203.0

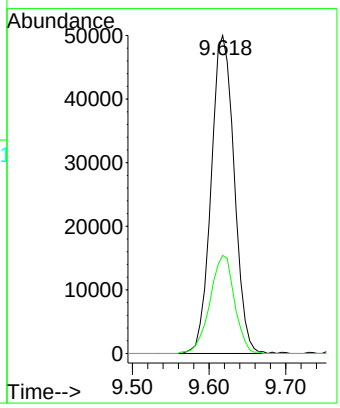




#45
1,2-Dichloropropane
Concen: 49.364 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 63 Resp: 104146

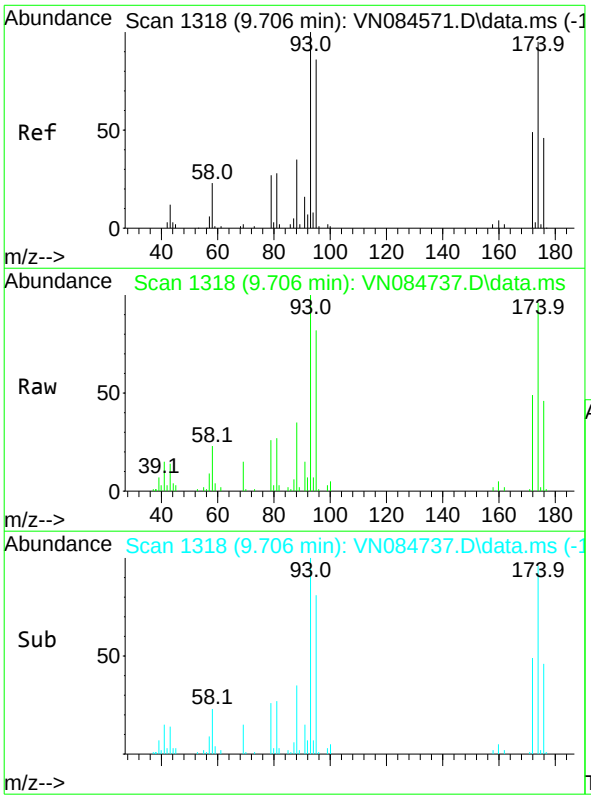
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

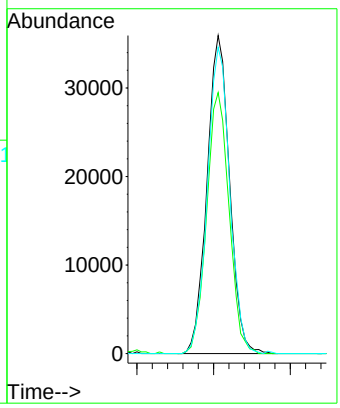
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

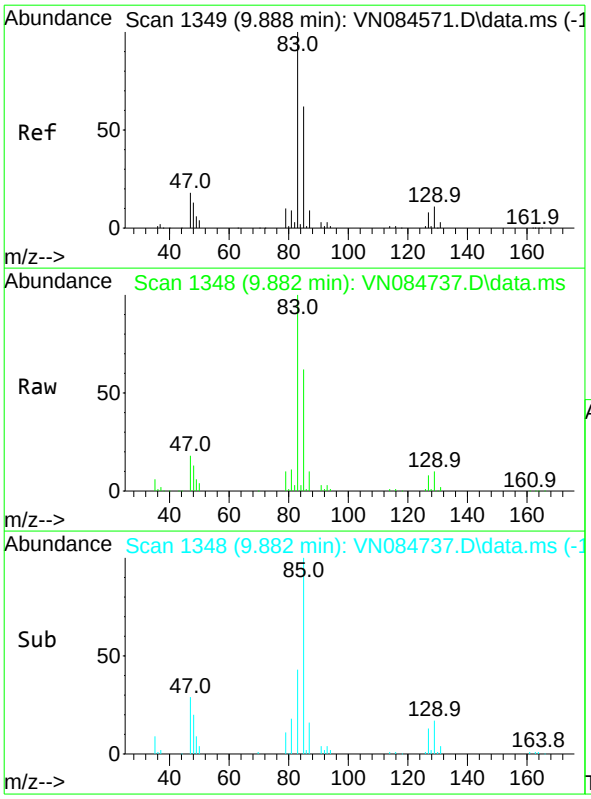


#46
Dibromomethane
Concen: 49.331 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 93 Resp: 73439

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.0	97.4
174	95.2	71.8	107.8

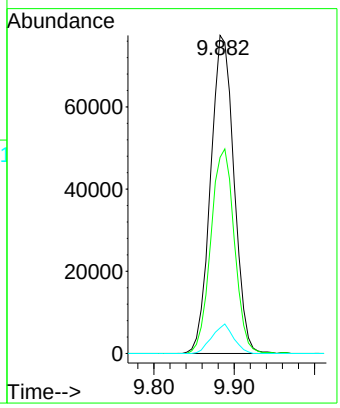




#47
Bromodichloromethane
Concen: 49.937 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 83 Resp: 156706

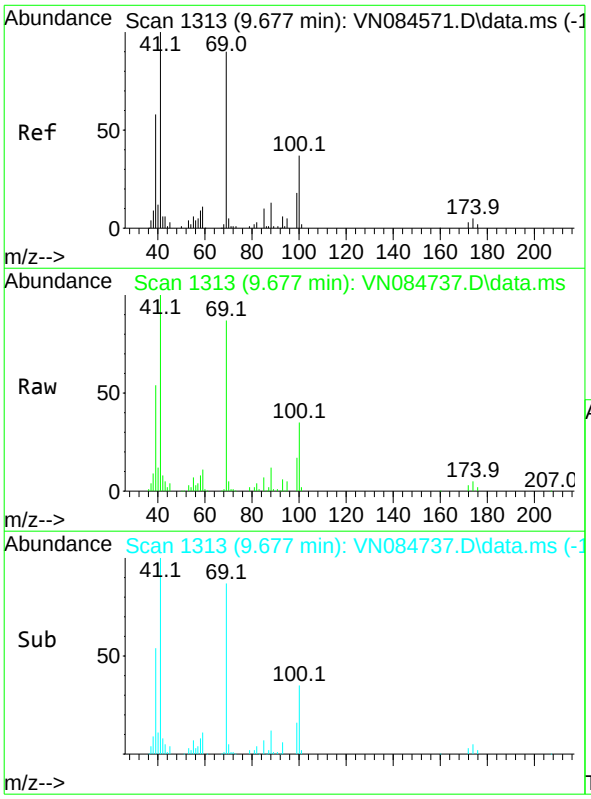
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3
127	8.0	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

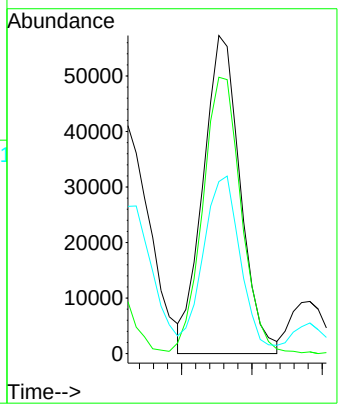
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

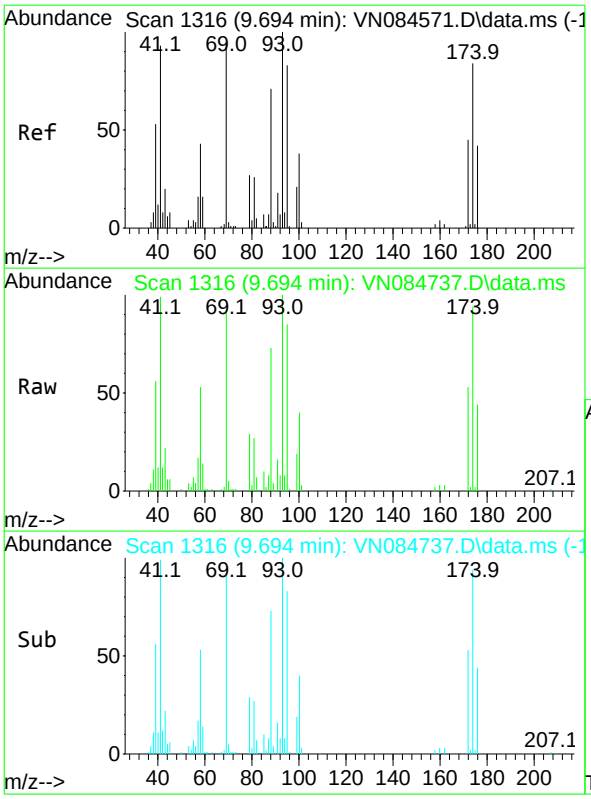


#48
Methyl methacrylate
Concen: 53.245 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 41 Resp: 105291

Ion	Ratio	Lower	Upper
41	100		
69	90.0	67.1	100.7
39	56.8	45.8	68.6

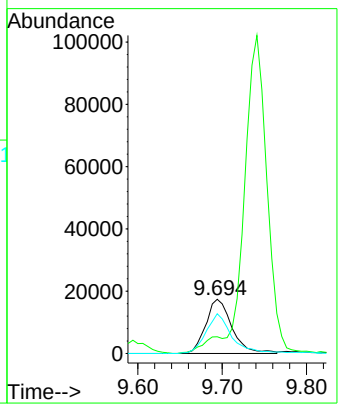




#49
1,4-Dioxane
Concen: 1067.991 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 88 Resp: 37425

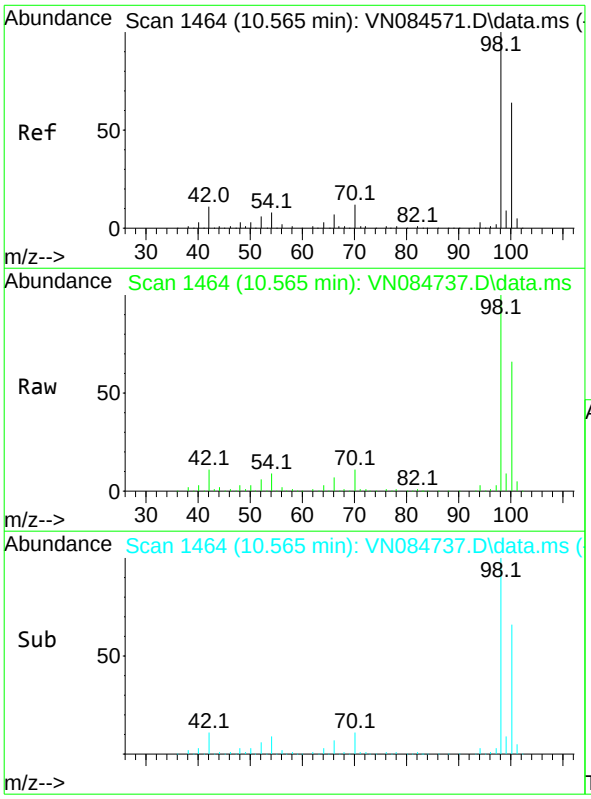
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

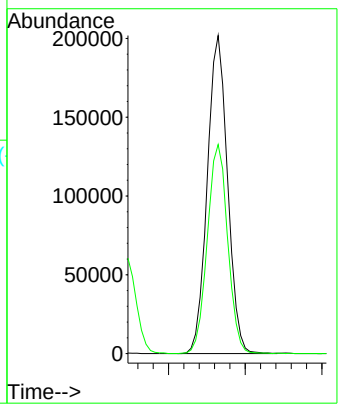
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

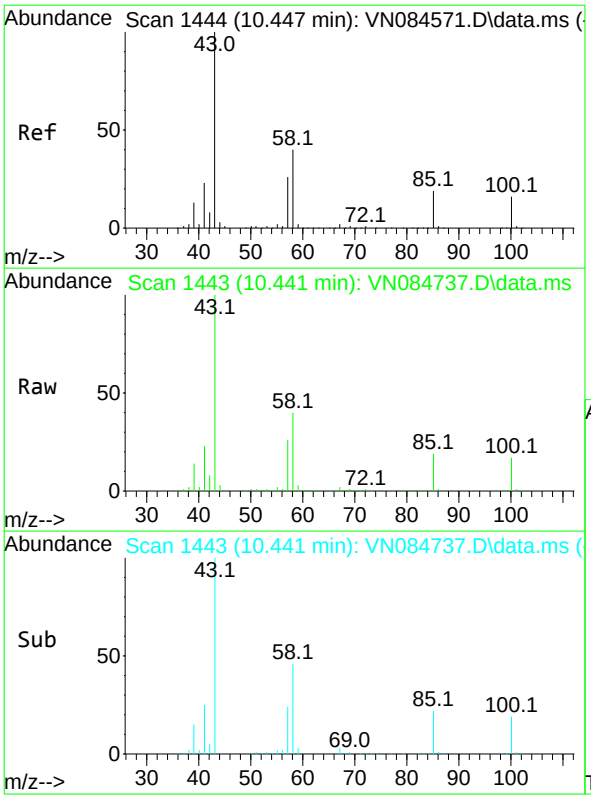


#50
Toluene-d8
Concen: 49.783 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 98 Resp: 370307

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1

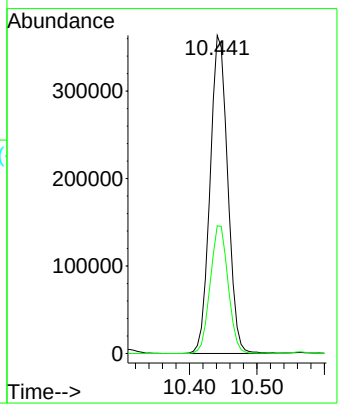




#51
4-Methyl-2-Pentanone
Concen: 272.681 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 660493

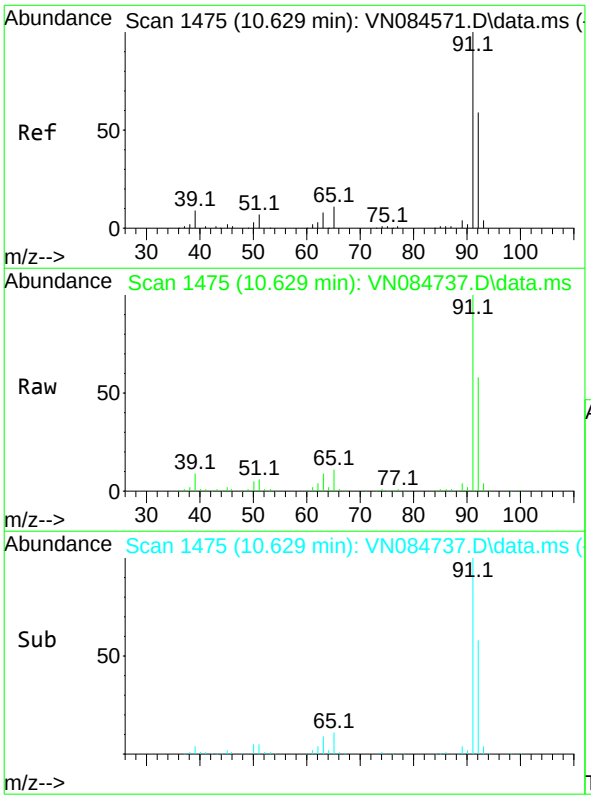
Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

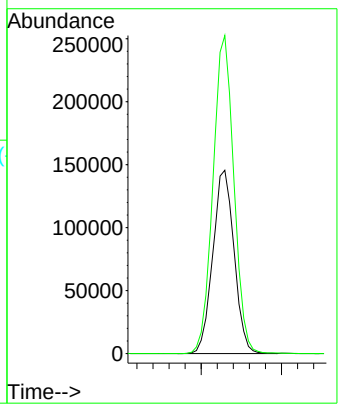
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

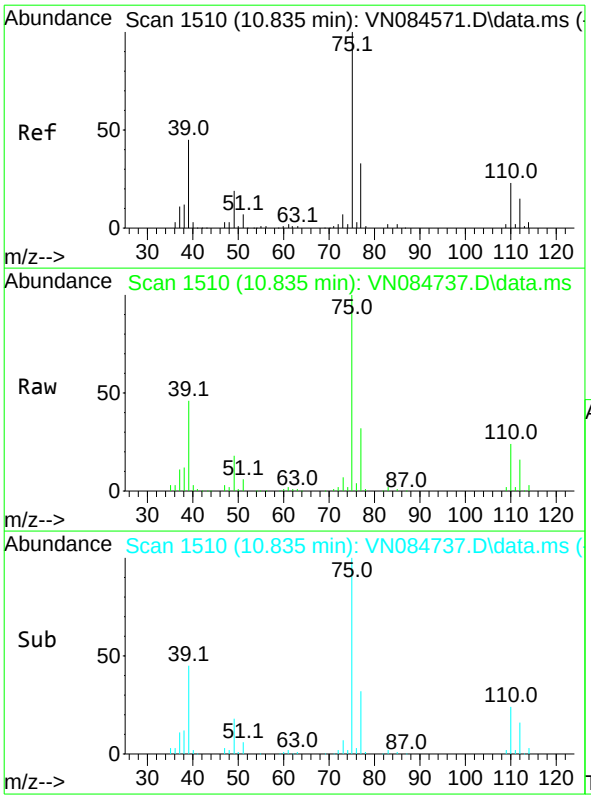


#52
Toluene
Concen: 50.893 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 92 Resp: 267694

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.3	205.9

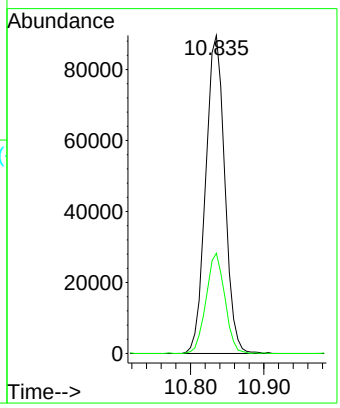




#53
t-1,3-Dichloropropene
Concen: 49.744 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 161582

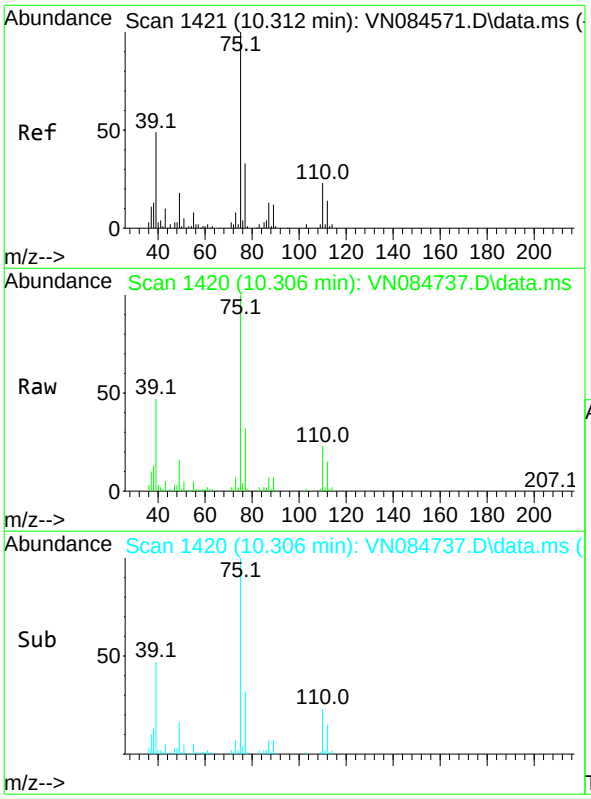
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

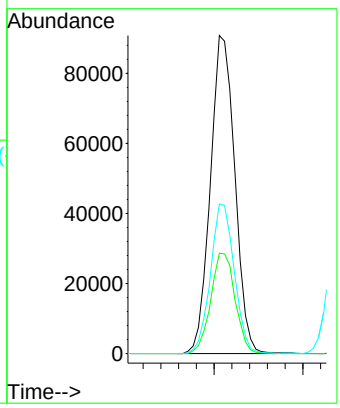
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

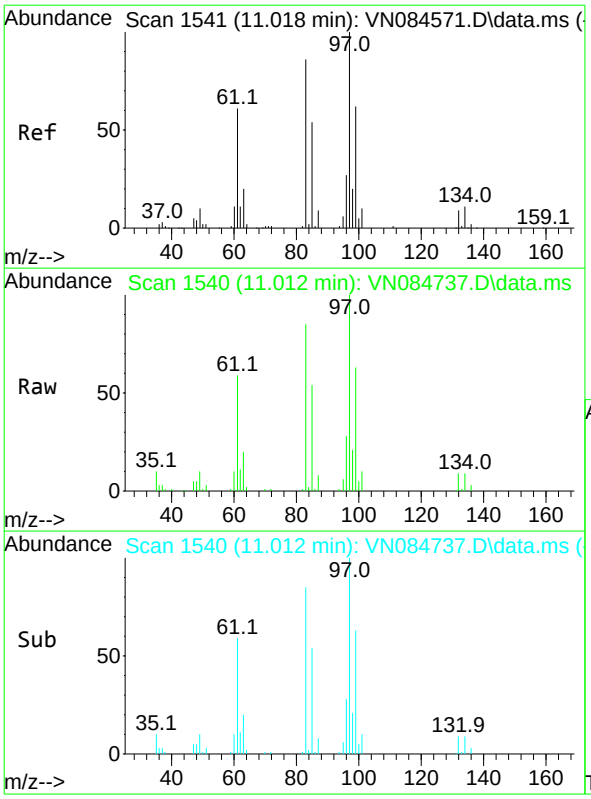


#54
cis-1,3-Dichloropropene
Concen: 50.535 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 173736

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	47.1	38.7	58.1

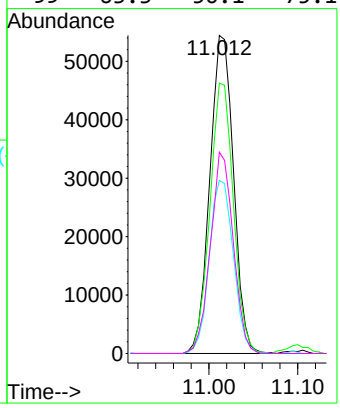




#55
1,1,2-Trichloroethane
Concen: 50.961 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 97 Resp: 100973

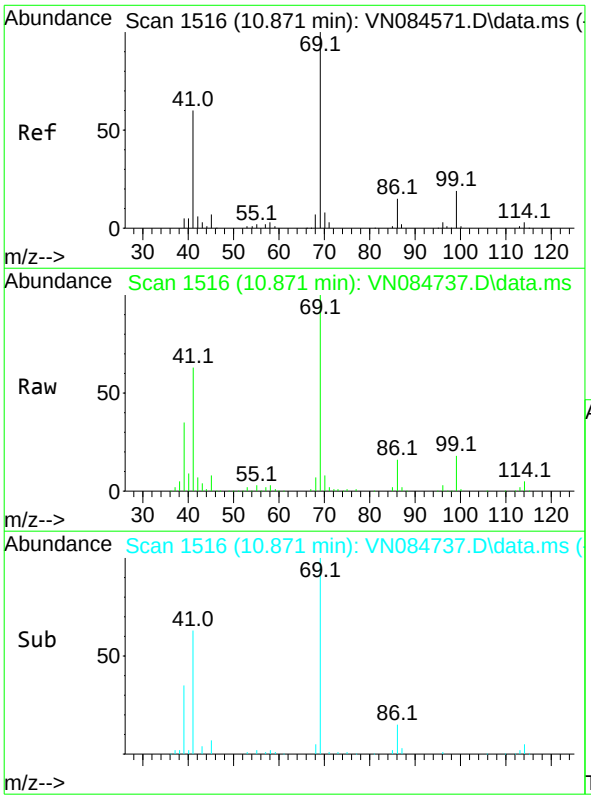
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	54.4	41.7	62.5
99	63.3	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

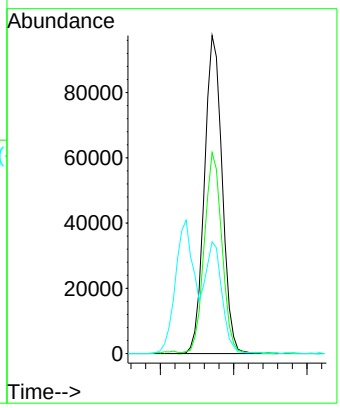
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

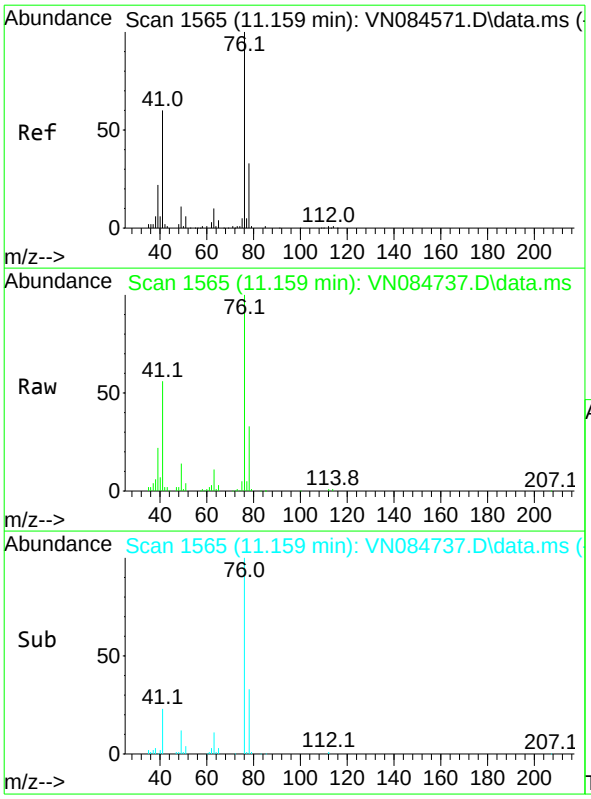


#56
Ethyl methacrylate
Concen: 57.102 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 69 Resp: 163651

Ion	Ratio	Lower	Upper
69	100		
41	62.3	53.3	79.9
39	33.8	28.8	43.2

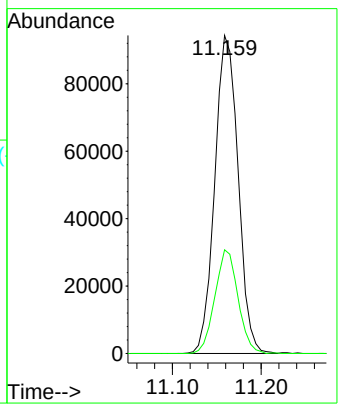




#57
1,3-Dichloropropane
Concen: 50.662 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 76 Resp: 172274

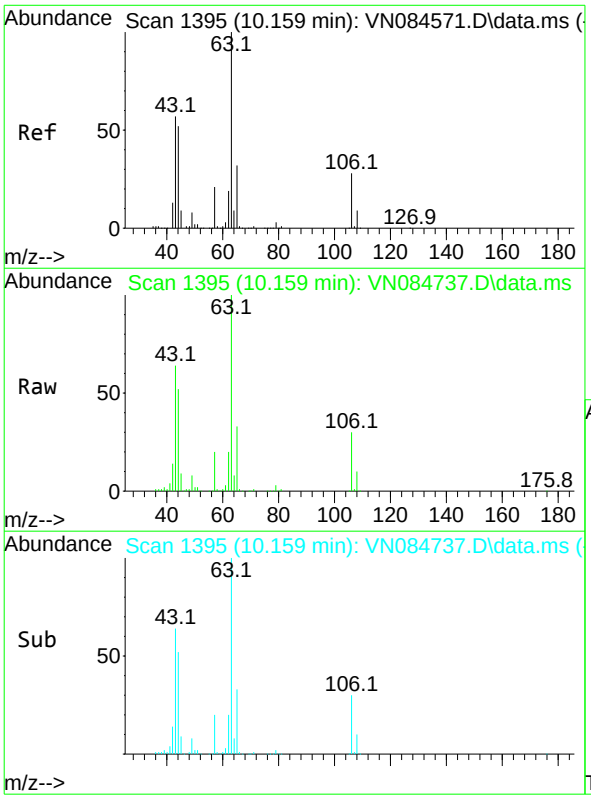
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

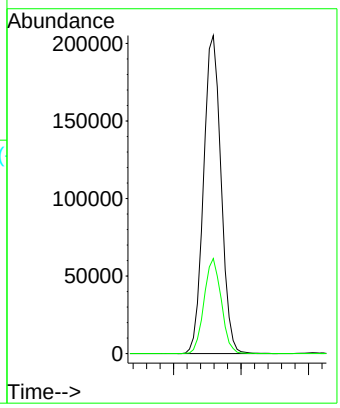
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

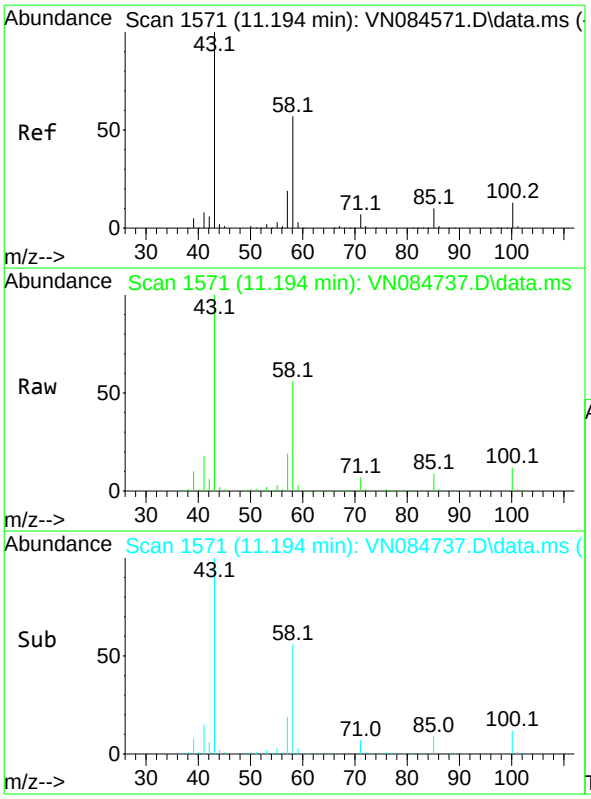


#58
2-Chloroethyl Vinyl ether
Concen: 274.890 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 63 Resp: 368650

Ion	Ratio	Lower	Upper
63	100		
106	29.4	21.8	32.6

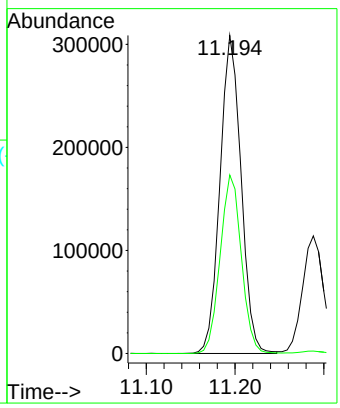




#59
2-Hexanone
Concen: 289.044 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 509612

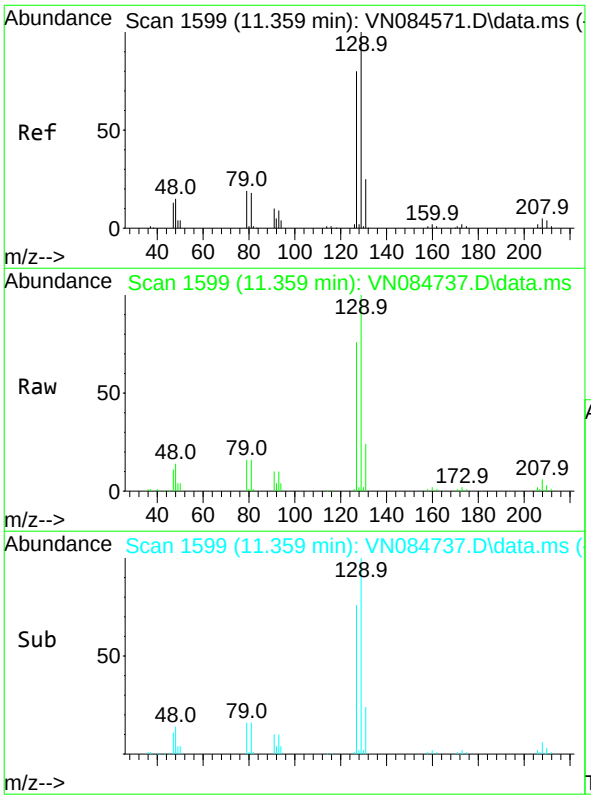
Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

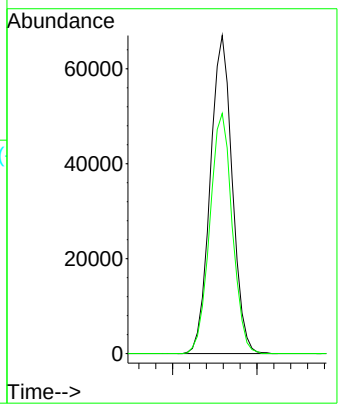
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

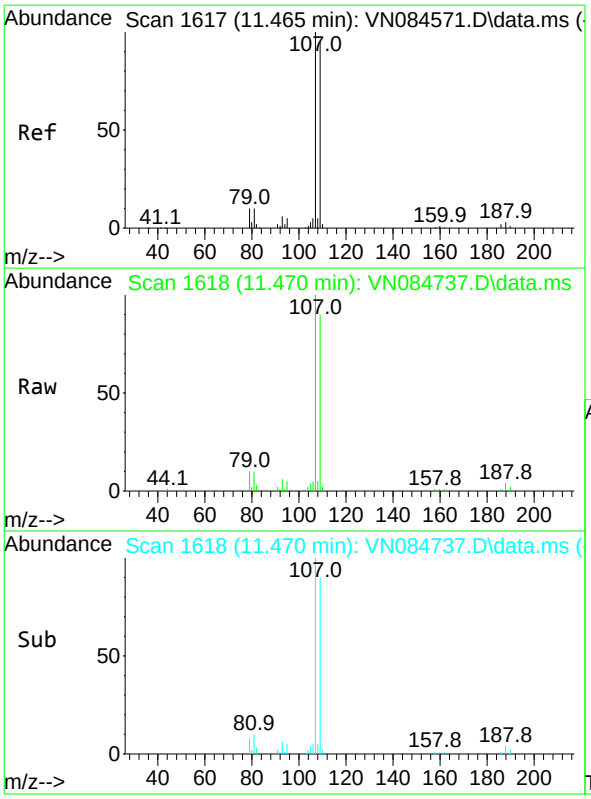


#60
Dibromochloromethane
Concen: 53.707 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:129 Resp: 121279

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.3	114.9

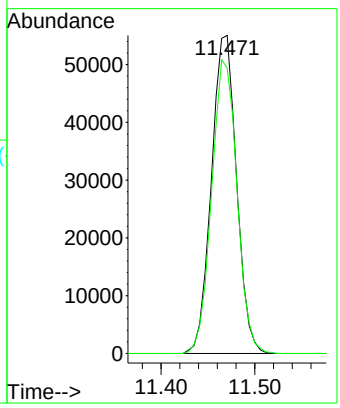




#61
1,2-Dibromoethane
Concen: 50.512 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:107 Resp: 102488

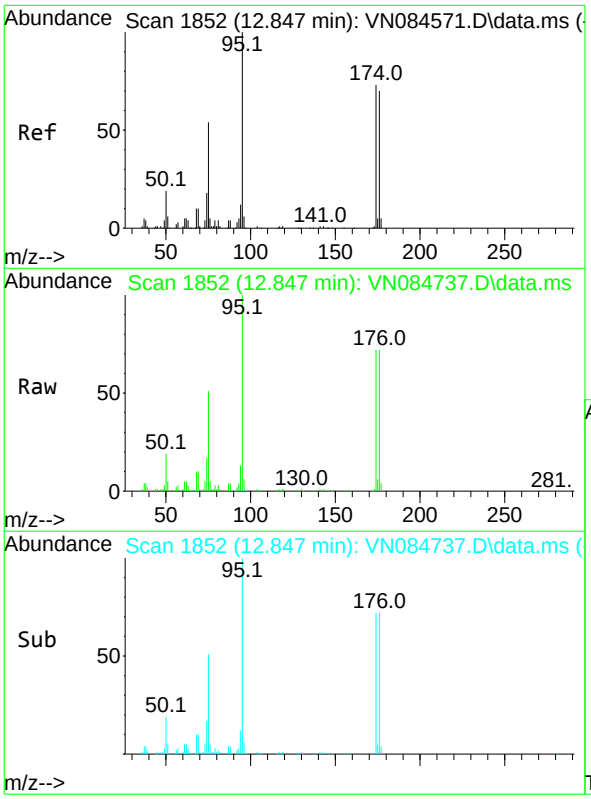
Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

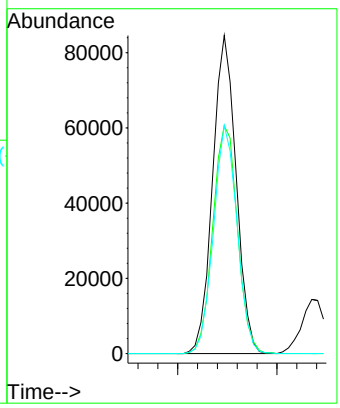
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

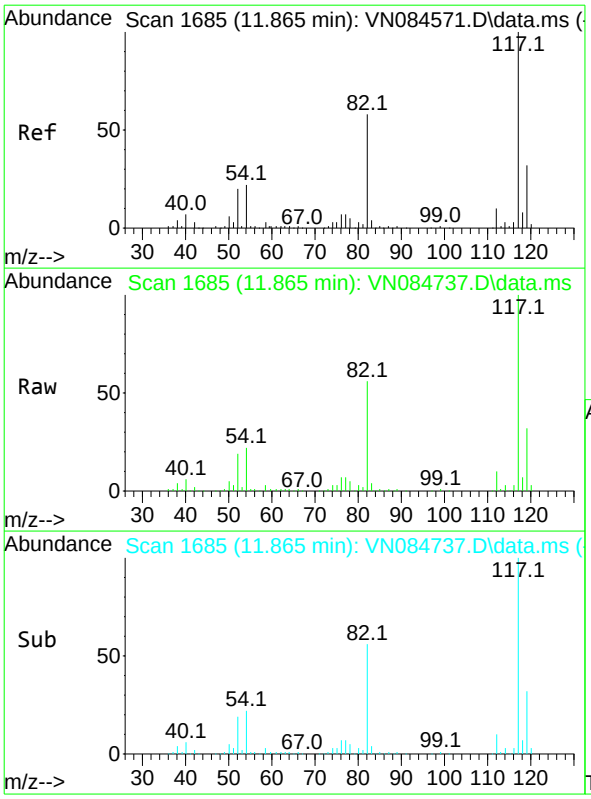


#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 95 Resp: 138983

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.2
176	72.2	0.0	140.0

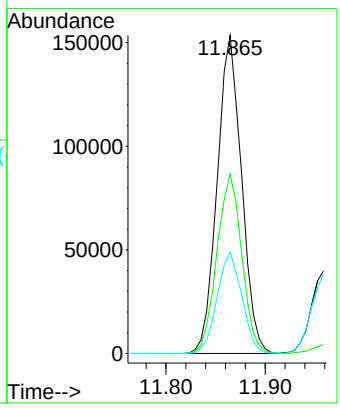




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:117 Resp: 261810

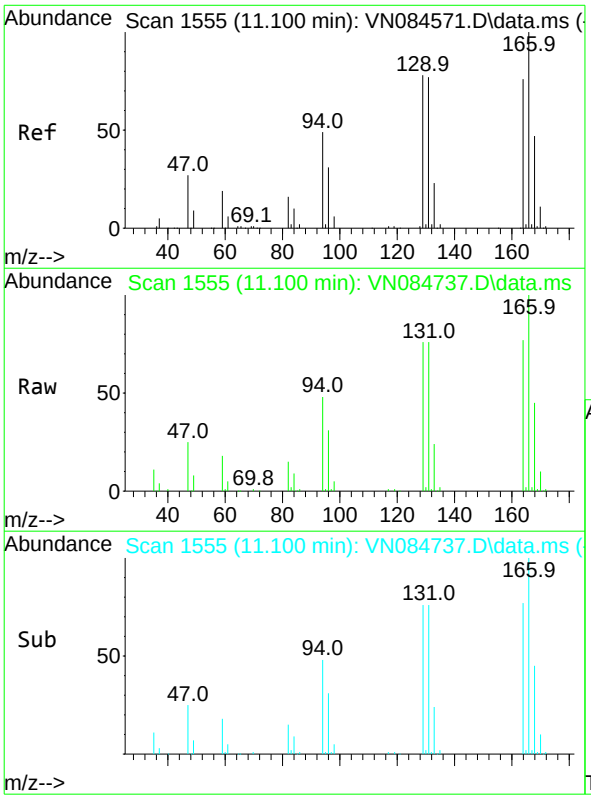
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	31.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

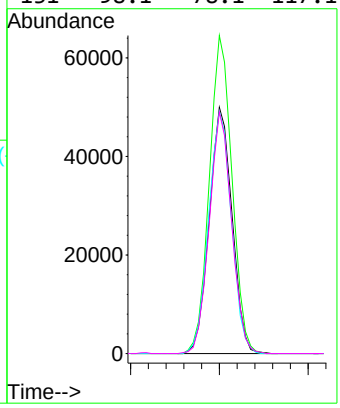
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

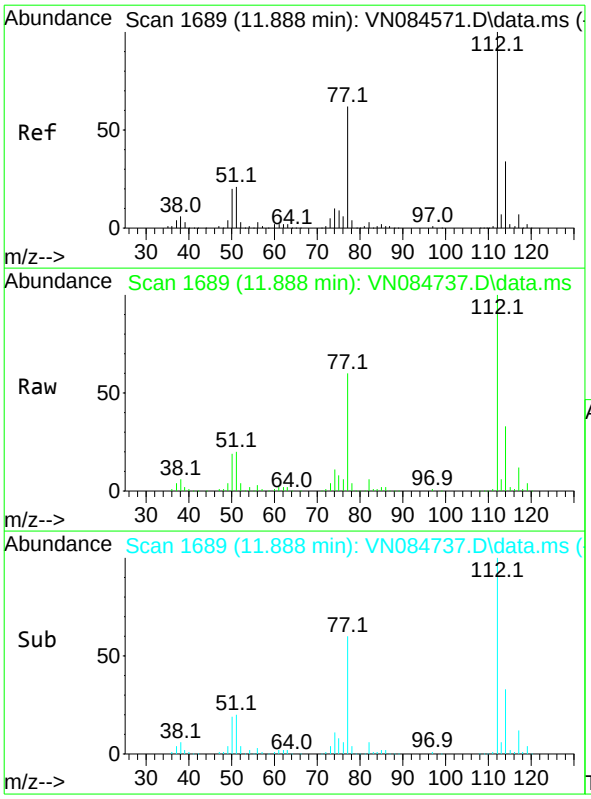


#64
Tetrachloroethene
Concen: 51.302 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:164 Resp: 89341

Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.0	151.4
129	98.4	80.8	121.2
131	98.1	78.1	117.1

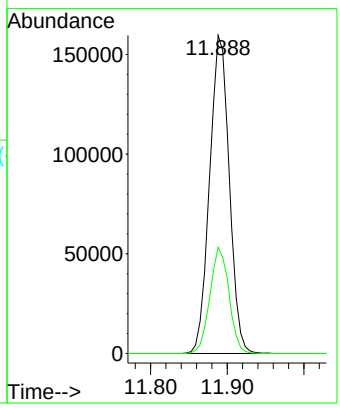




#65
Chlorobenzene
Concen: 48.471 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:112 Resp: 283901

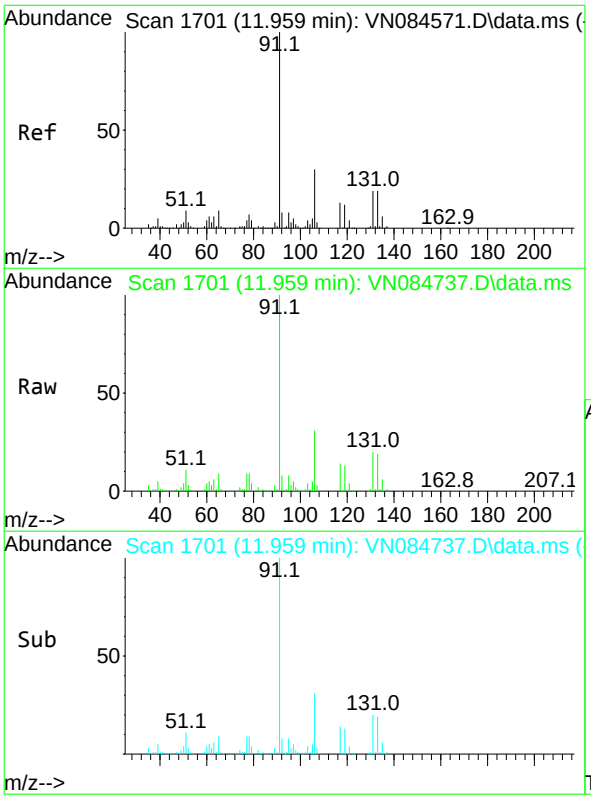
Ion	Ratio	Lower	Upper
112	100		
114	33.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

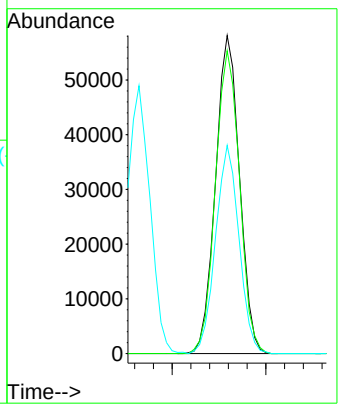
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

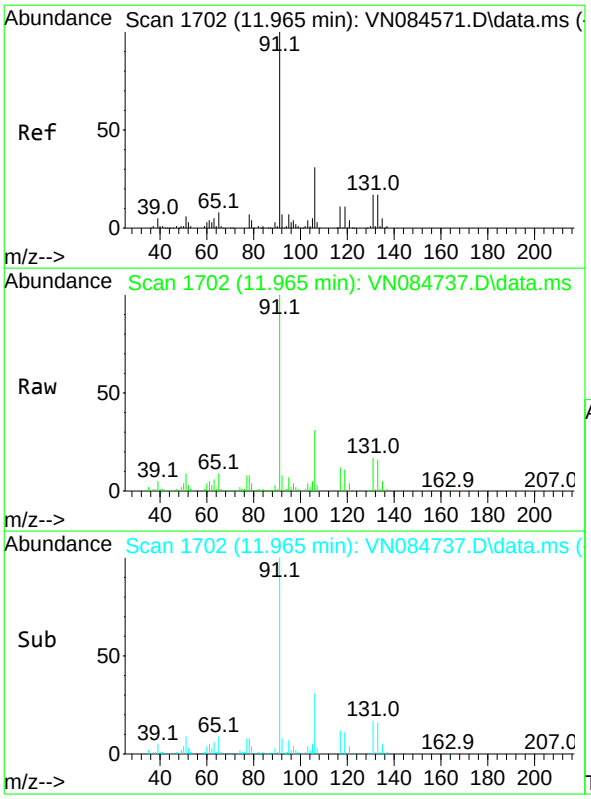


#66
1,1,1,2-Tetrachloroethane
Concen: 50.745 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:131 Resp: 103384

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.7
119	64.1	32.8	98.3

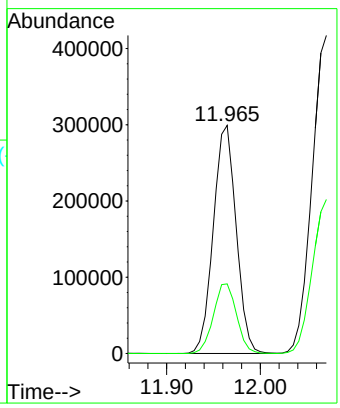




#67
Ethyl Benzene
Concen: 51.895 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 507373

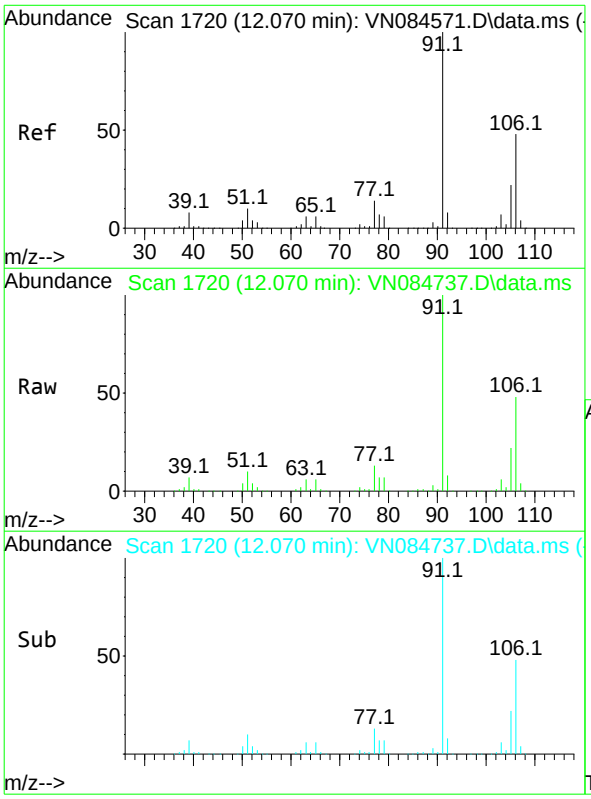
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

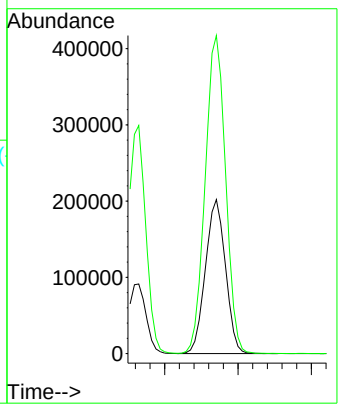
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

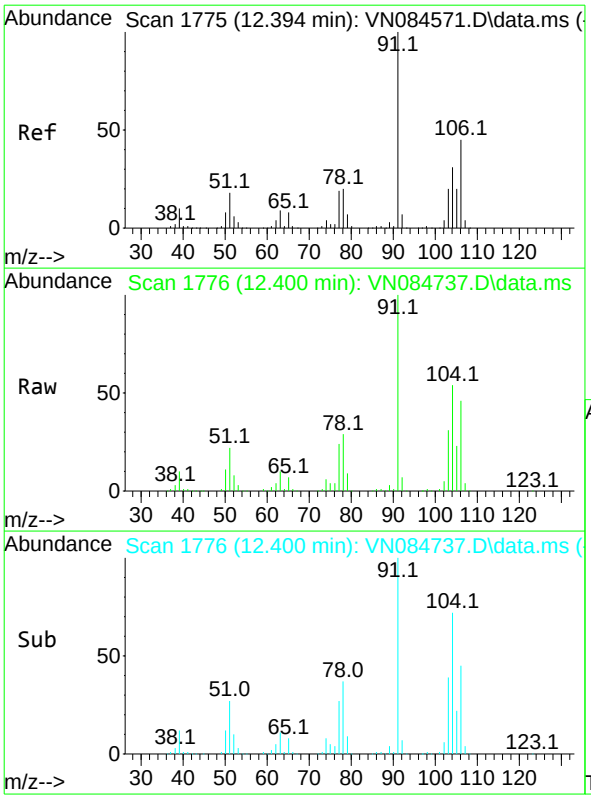


#68
m/p-Xylenes
Concen: 103.688 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:106 Resp: 383793

Ion	Ratio	Lower	Upper
106	100		
91	210.1	167.1	250.7

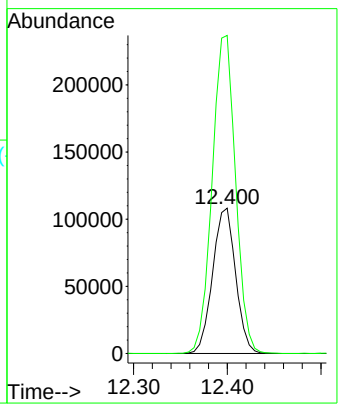




#69
o-Xylene
Concen: 53.315 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:106 Resp: 184608

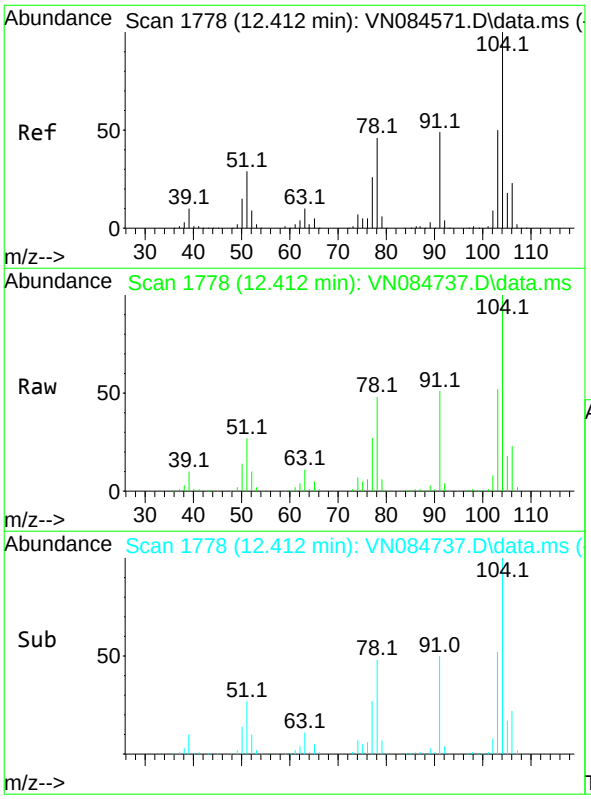
Ion	Ratio	Lower	Upper
106	100		
91	222.4	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

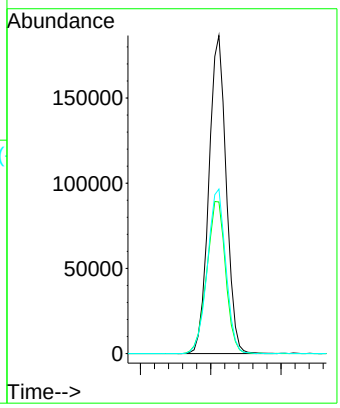
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

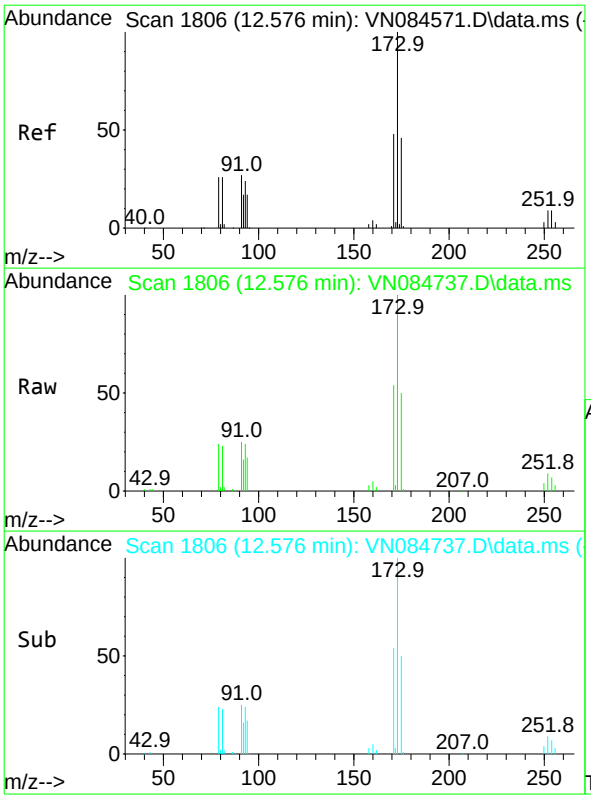


#70
Styrene
Concen: 52.864 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:104 Resp: 319310

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	54.9	43.6	65.4

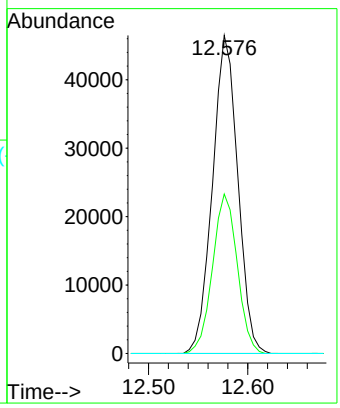




#71
Bromoform
Concen: 53.640 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:173 Resp: 82231

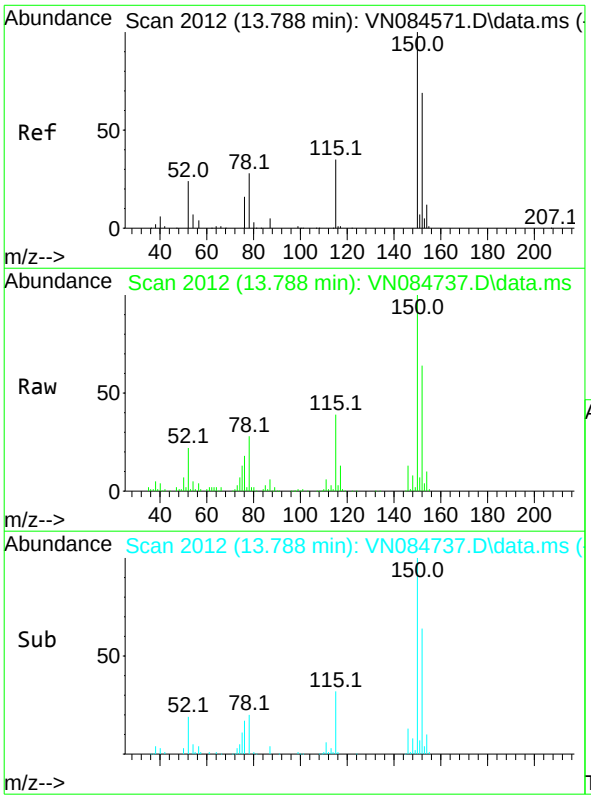
Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

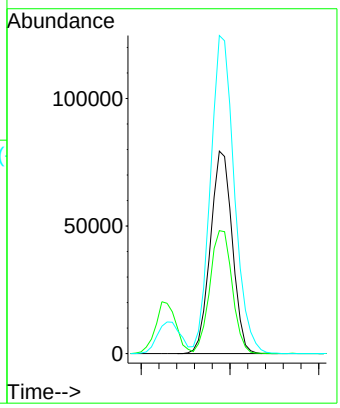
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

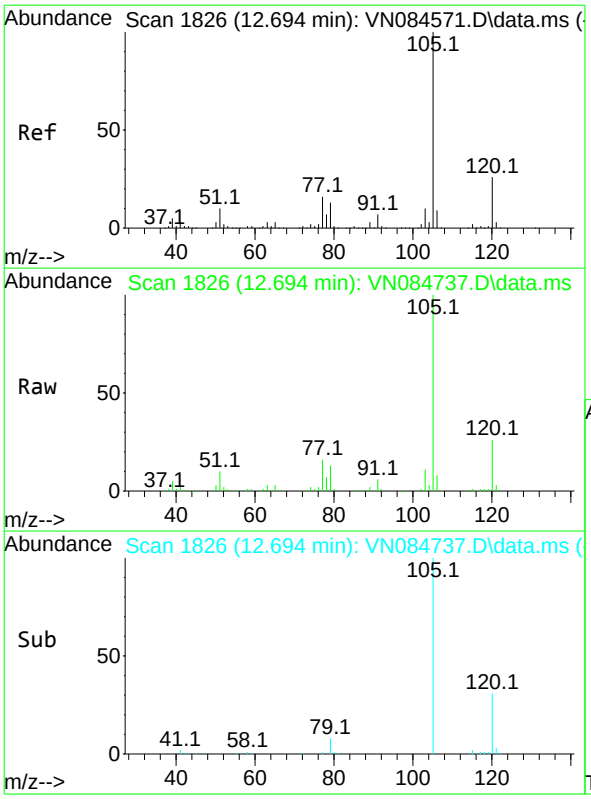


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:152 Resp: 135765

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	171.7	0.0	349.8

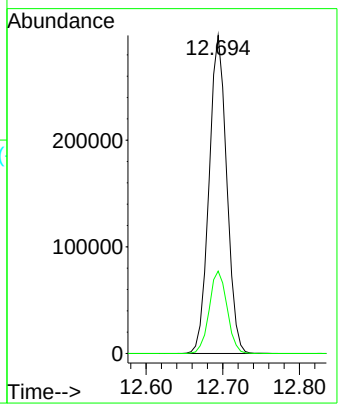




#73
Isopropylbenzene
Concen: 50.098 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 476637

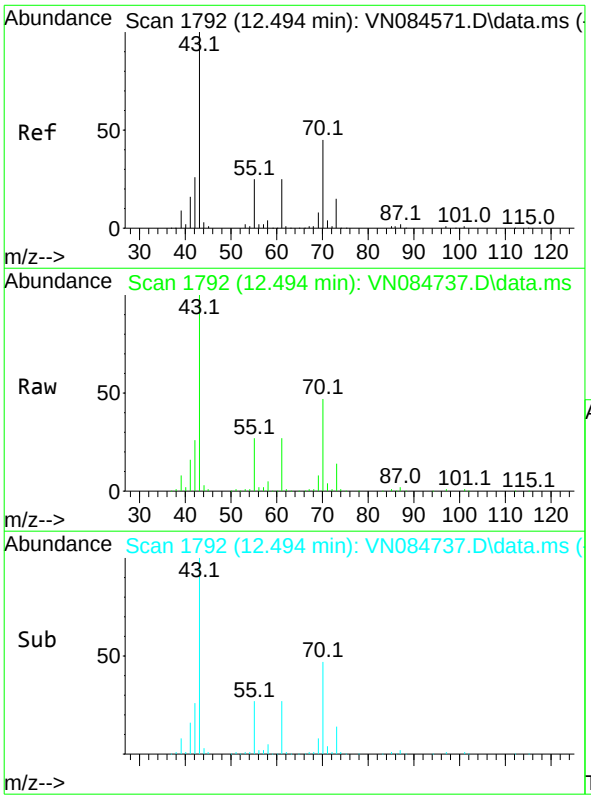
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

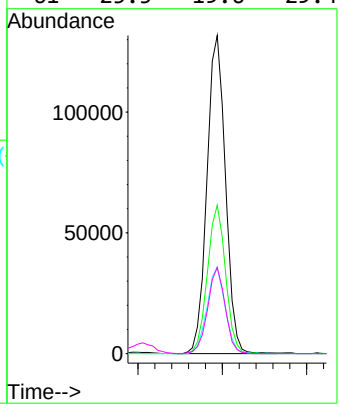
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

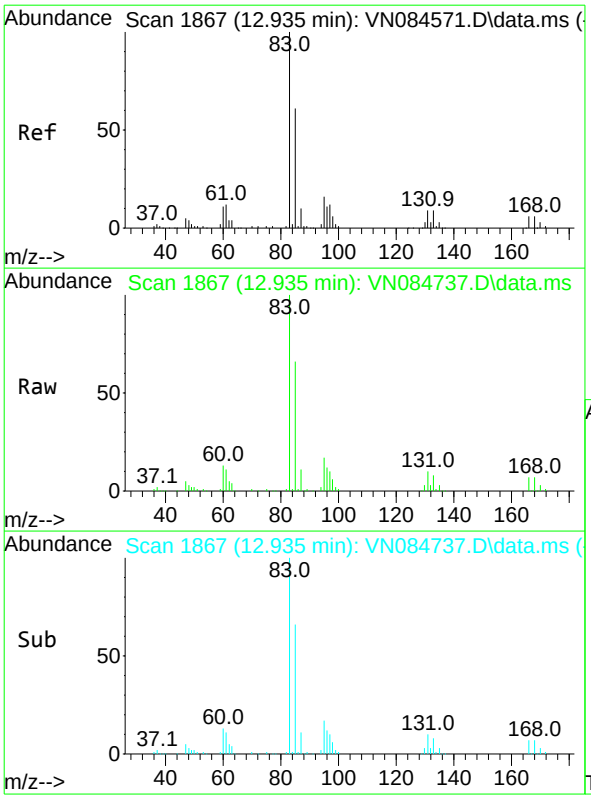


#74
N-amyl acetate
Concen: 49.546 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 200629

Ion	Ratio	Lower	Upper
43	100		
70	45.7	34.4	51.6
55	26.6	19.6	29.4
61	25.5	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 46.674 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

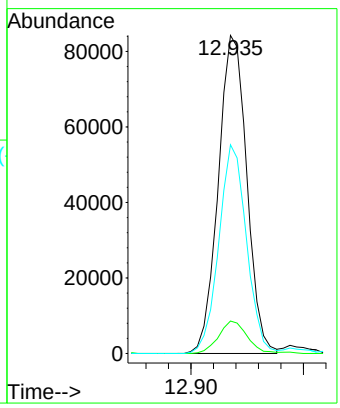
Tgt Ion: 83 Resp: 148221

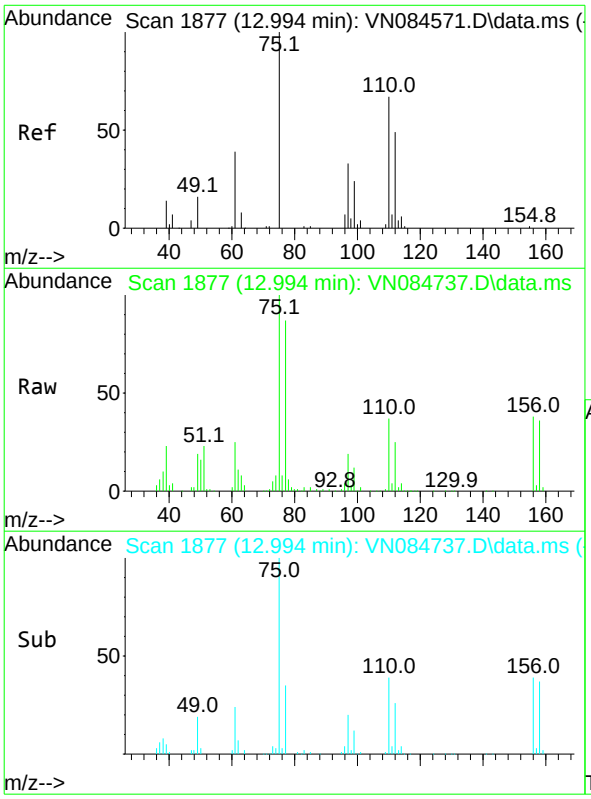
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	63.7	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

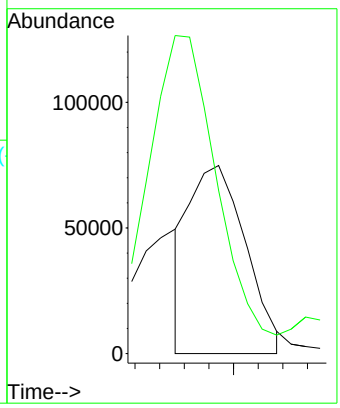


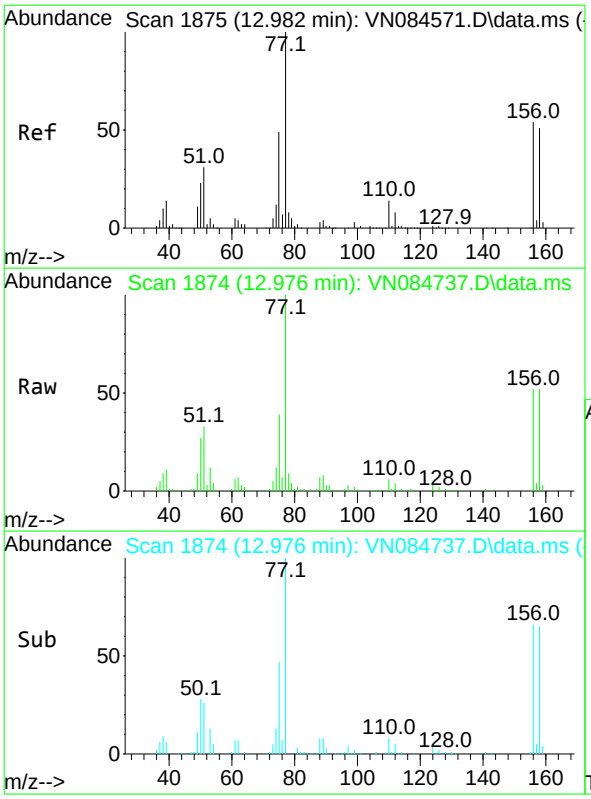


#76
1,2,3-Trichloropropane
Concen: 43.975 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 119343

Ion	Ratio	Lower	Upper
75	100		
77	212.6	96.9	290.7

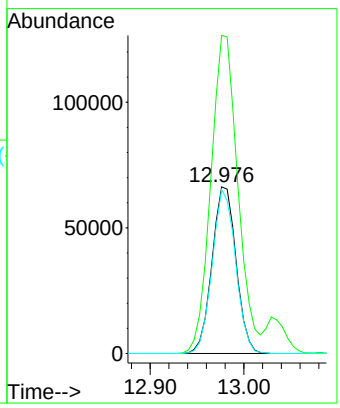




#77
Bromobenzene
Concen: 46.265 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:156 Resp: 118331

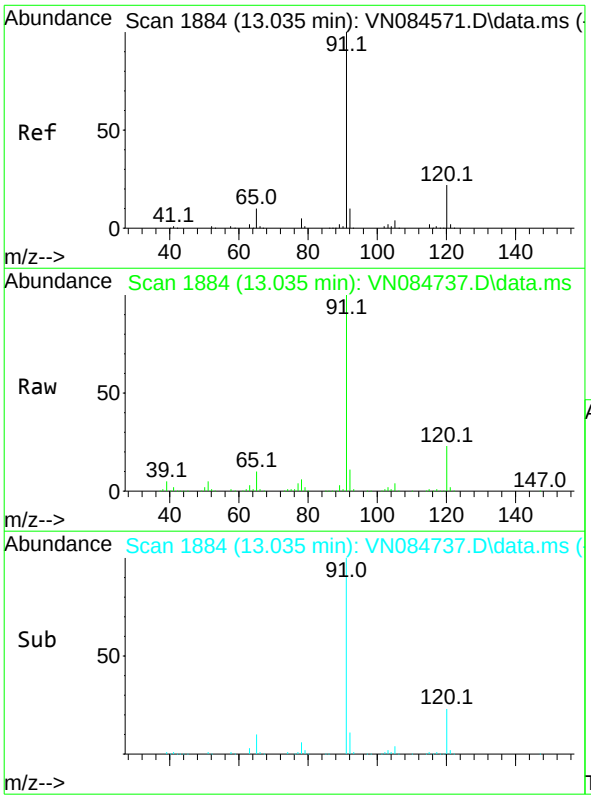
Ion	Ratio	Lower	Upper
156	100		
77	214.4	115.1	345.3
158	95.6	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

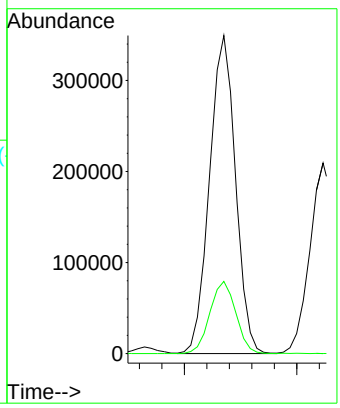
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

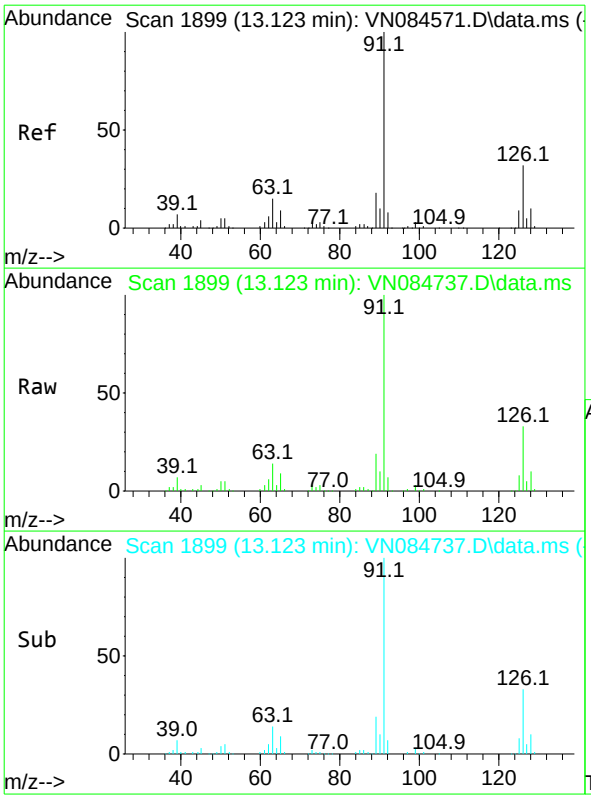


#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 560738

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4

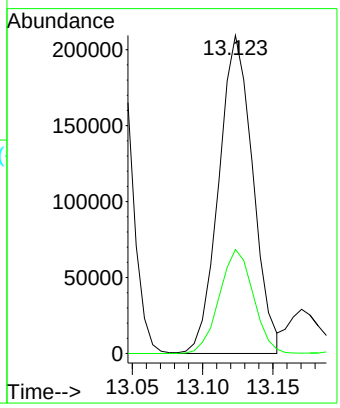




#79
2-Chlorotoluene
Concen: 48.502 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 353328

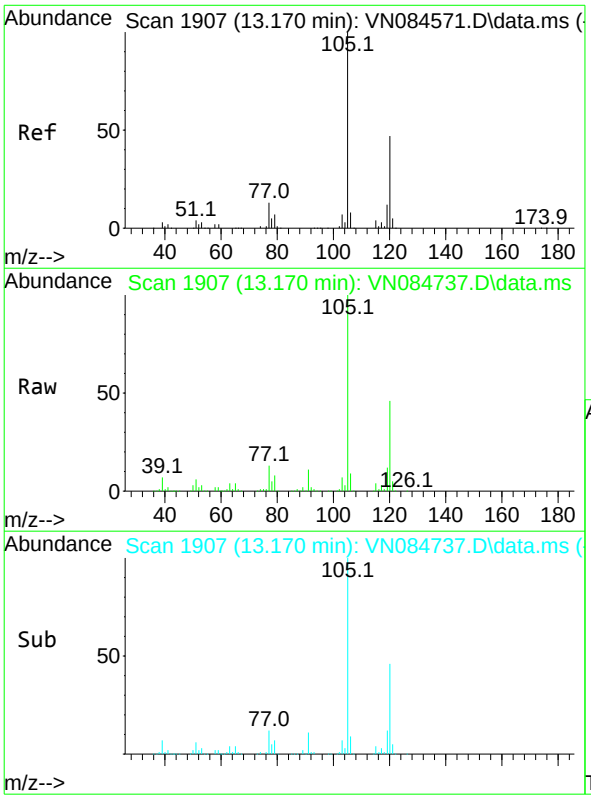
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

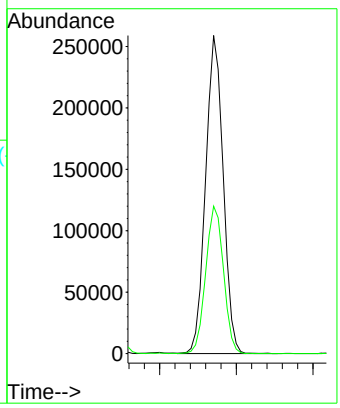
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

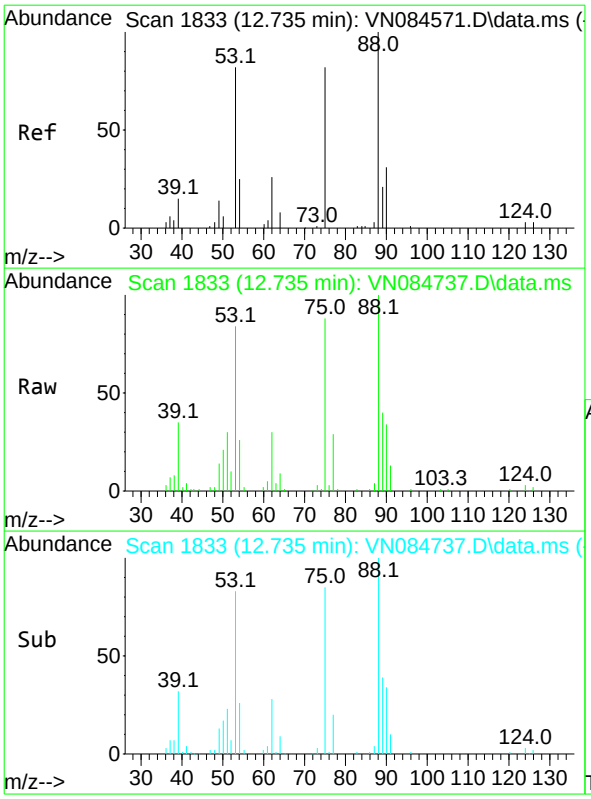


#80
1,3,5-Trimethylbenzene
Concen: 52.302 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 412425

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 53.556 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

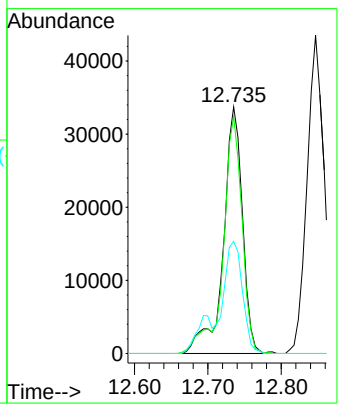
Tgt Ion: 75 Resp: 61265

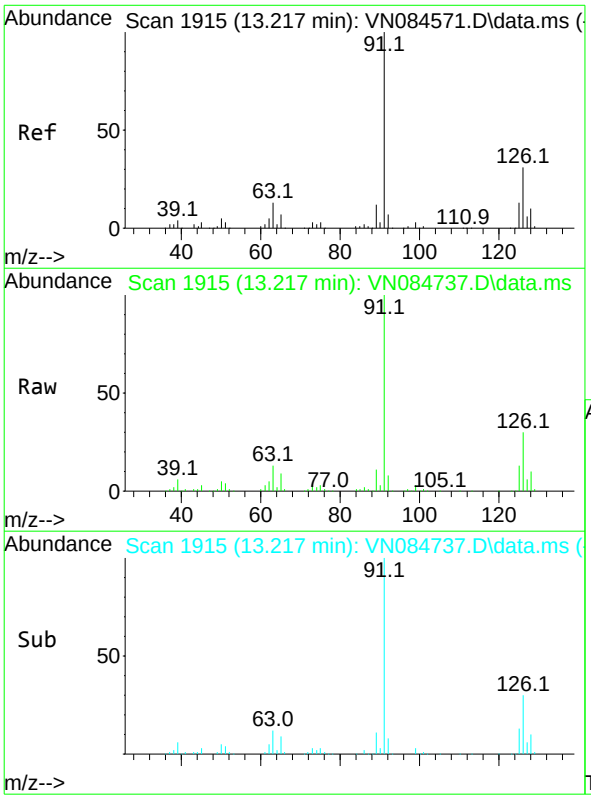
Ion	Ratio	Lower	Upper
75	100		
53	94.8	78.0	117.0
89	44.9	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

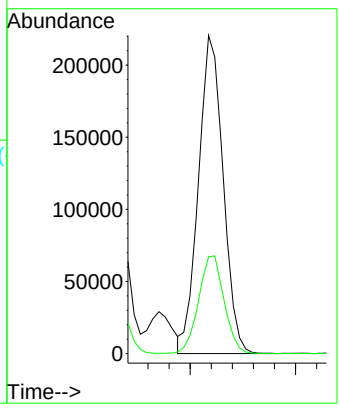


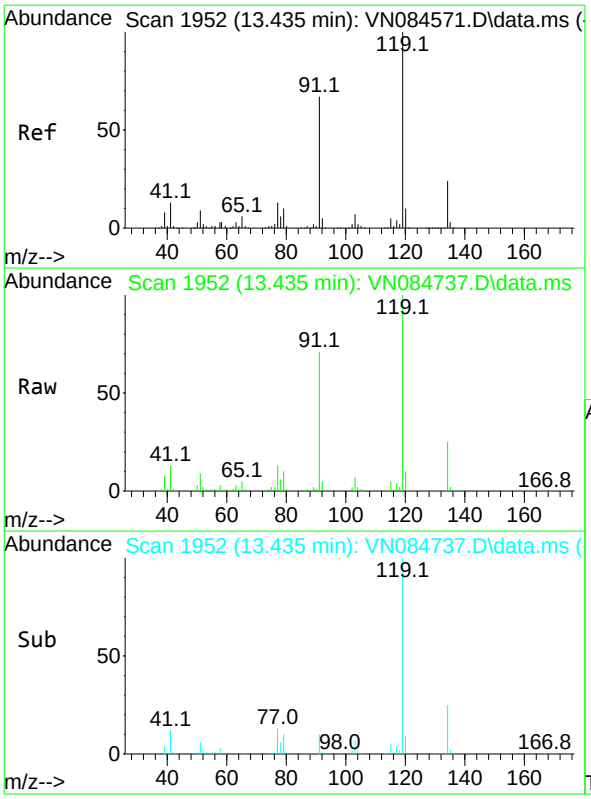


#82
4-Chlorotoluene
Concen: 46.727 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 358231

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

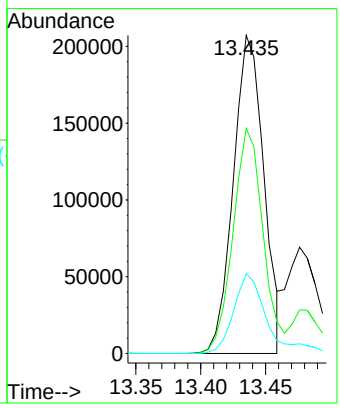




#83
tert-Butylbenzene
Concen: 51.922 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:119 Resp: 338852

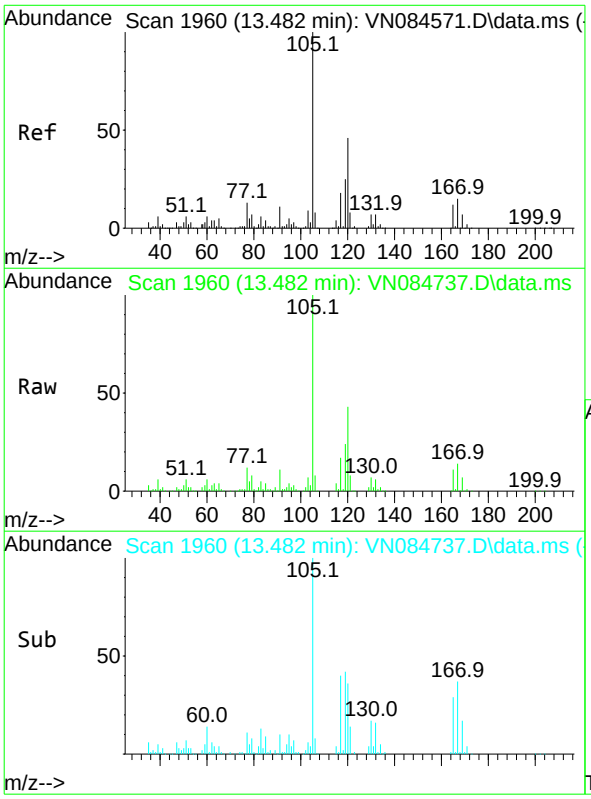
Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	27.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

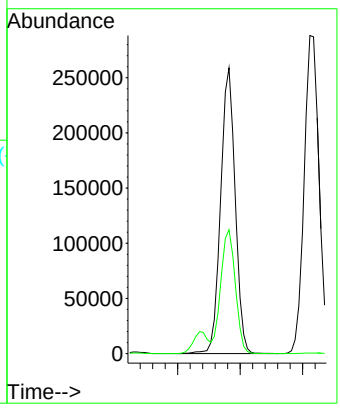
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

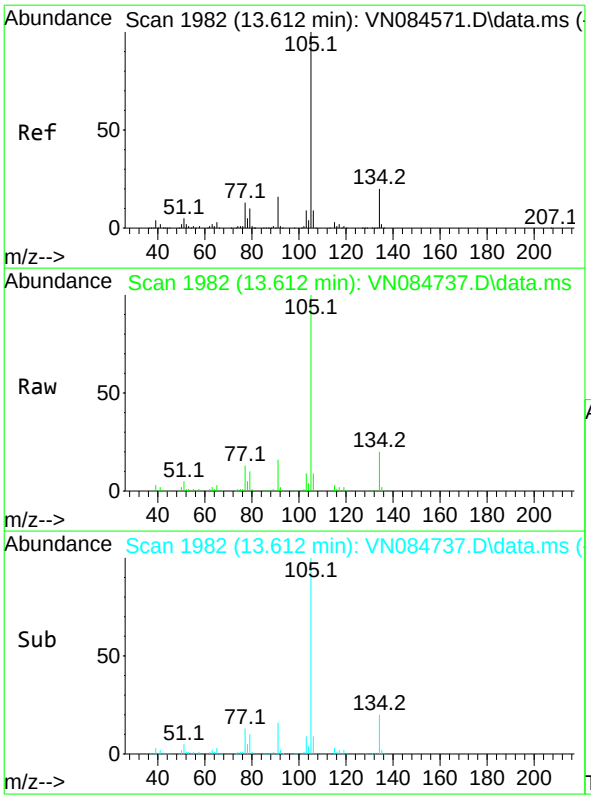


#84
1,2,4-Trimethylbenzene
Concen: 51.510 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 419220

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8

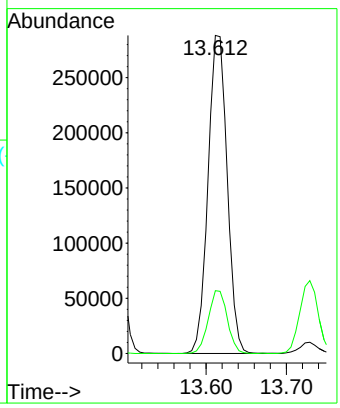




#85
sec-Butylbenzene
Concen: 51.824 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 477749

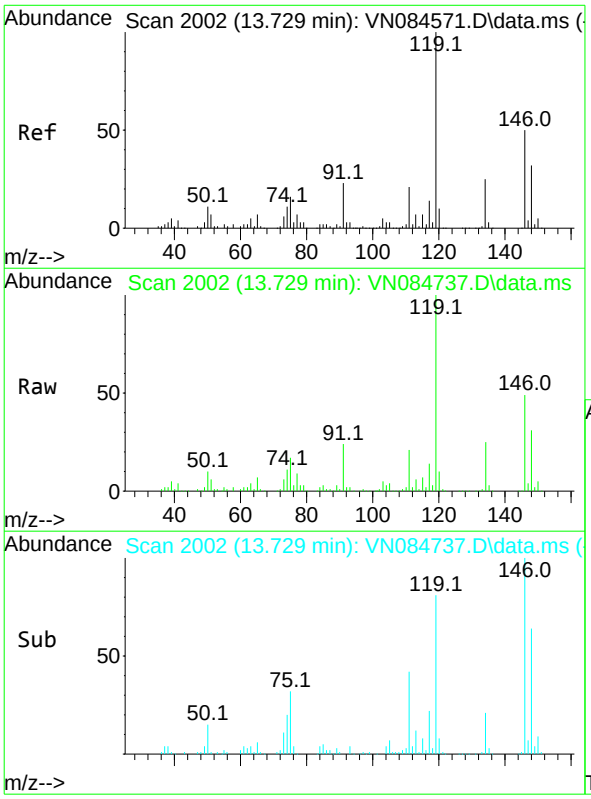
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

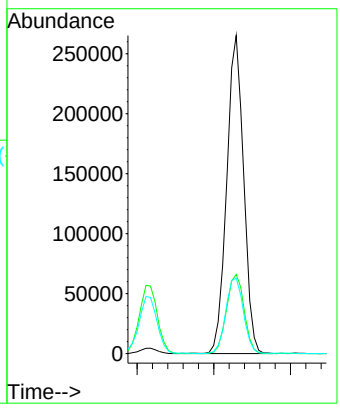
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

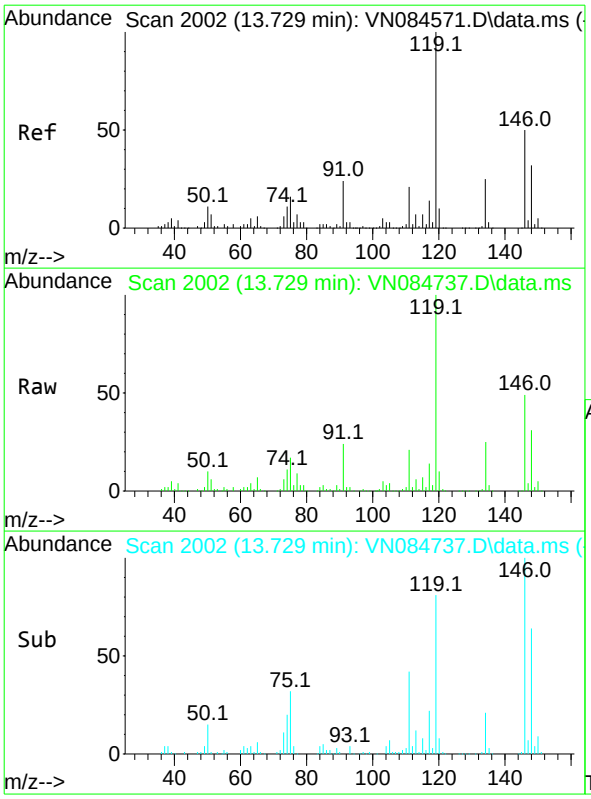


#86
p-Isopropyltoluene
Concen: 53.758 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:119 Resp: 406434

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.4	37.2

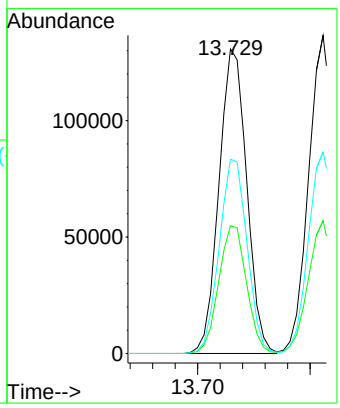




#87
1,3-Dichlorobenzene
Concen: 44.831 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:146 Resp: 223773

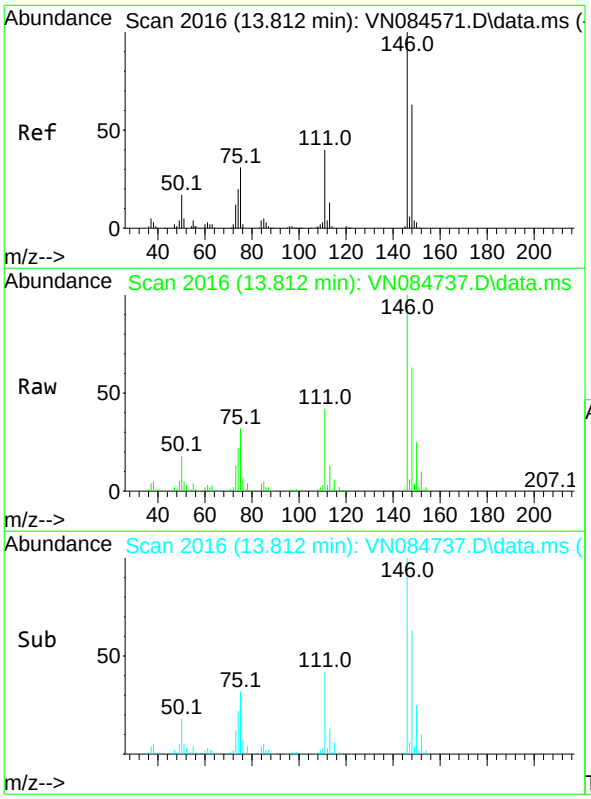
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.3
148	64.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

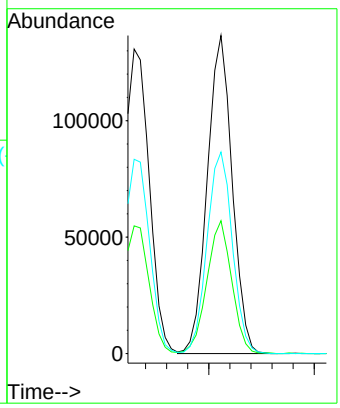
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

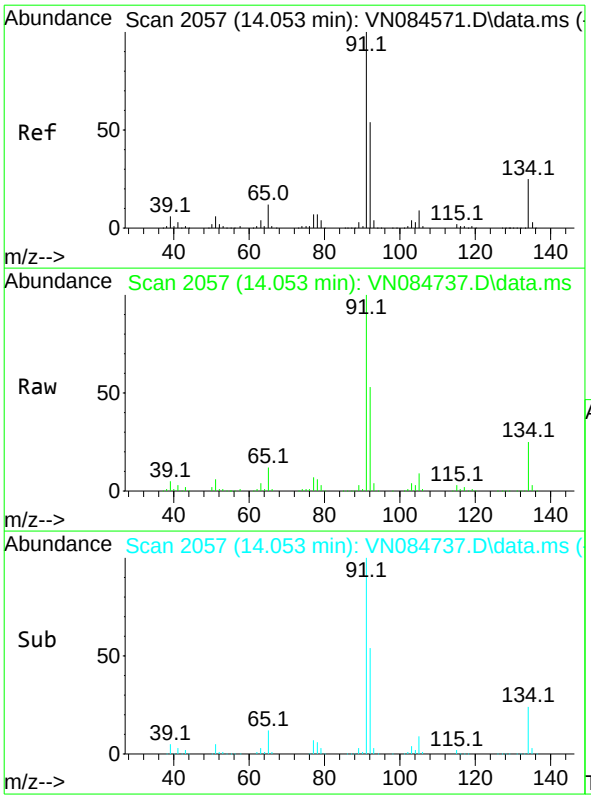


#88
1,4-Dichlorobenzene
Concen: 48.971 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:146 Resp: 224268

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.5	31.9	95.9

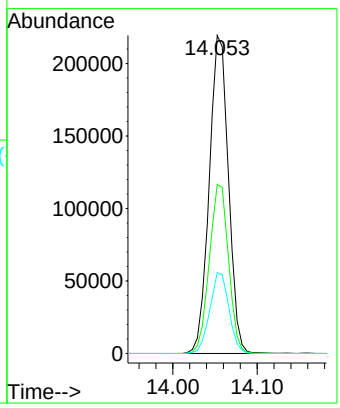




#89
n-Butylbenzene
Concen: 49.100 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 347239

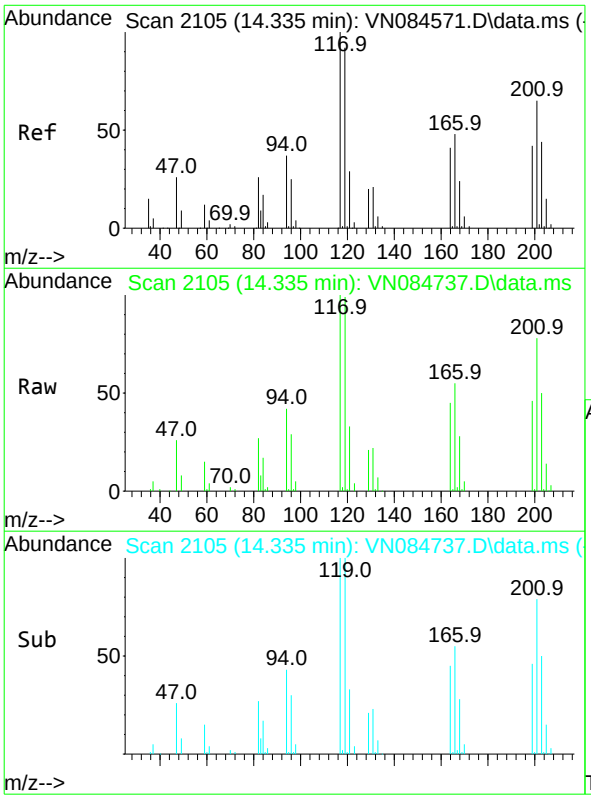
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.3	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

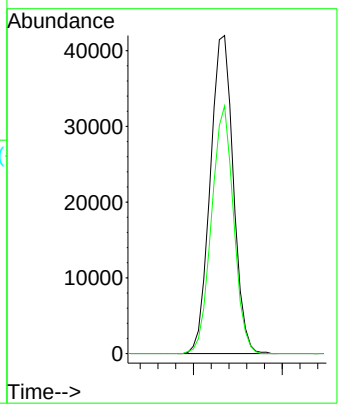
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

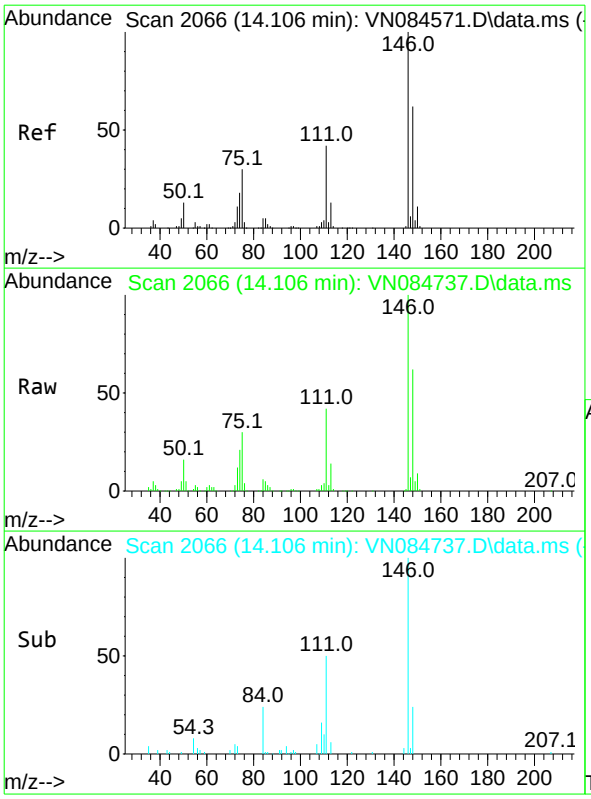


#90
Hexachloroethane
Concen: 44.933 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:117 Resp: 75759

Ion	Ratio	Lower	Upper
117	100		
201	74.4	34.4	103.2

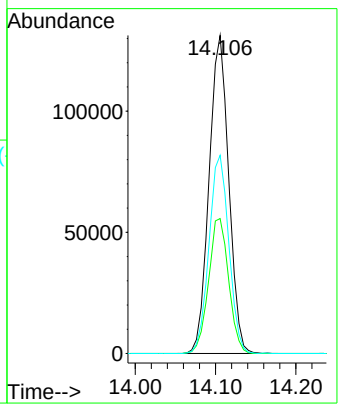




#91
1,2-Dichlorobenzene
Concen: 46.484 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:146 Resp: 222960

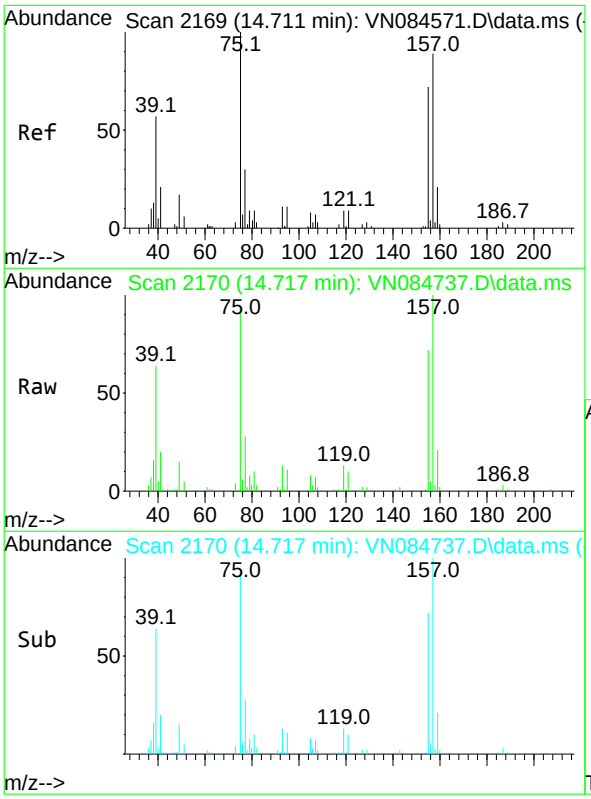
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.0	66.0
148	63.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

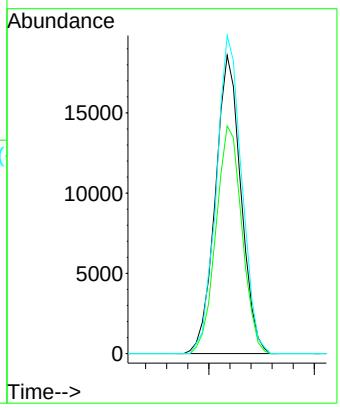
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

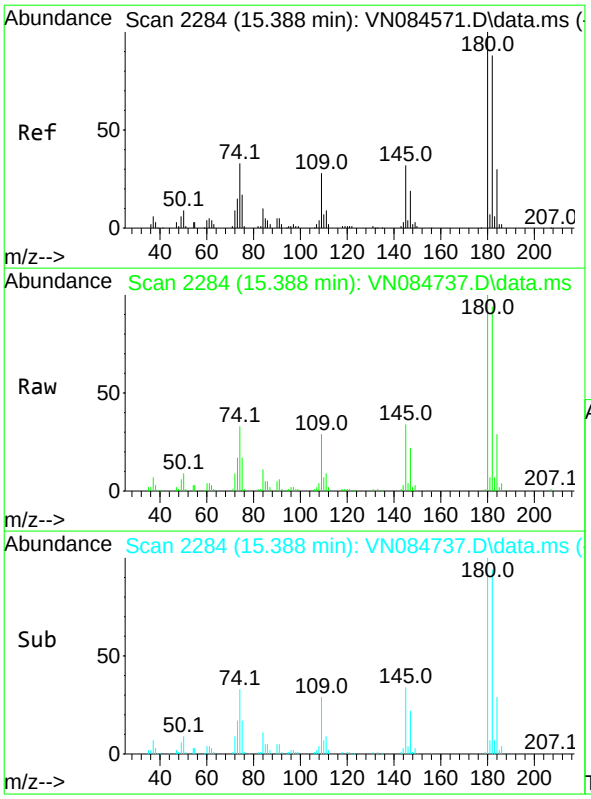


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.712 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 31339

Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.1	114.5
157	105.9	49.6	149.0

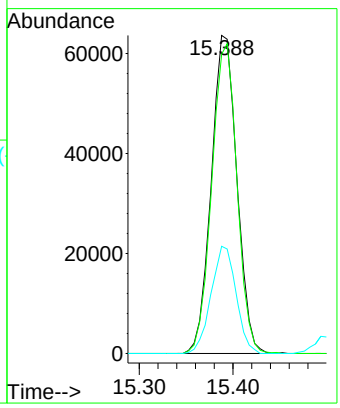




#93
1,2,4-Trichlorobenzene
Concen: 45.957 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:180 Resp: 120654

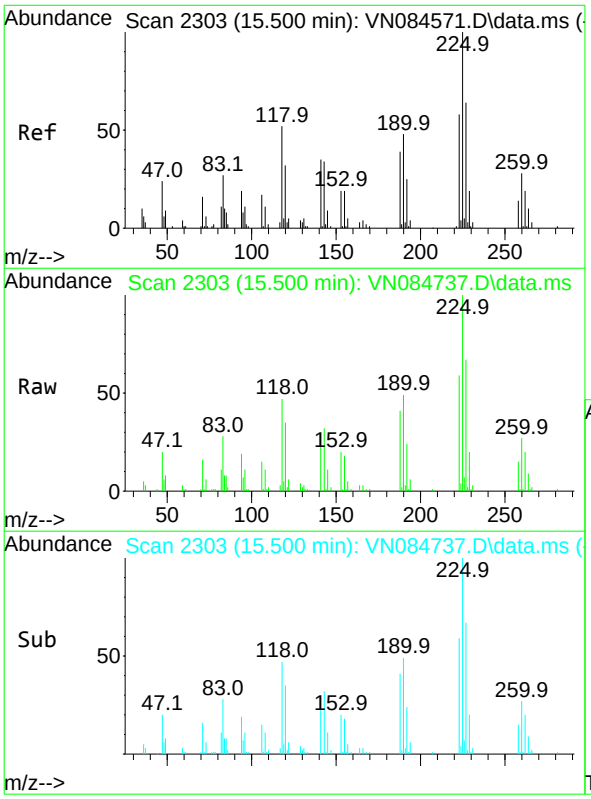
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

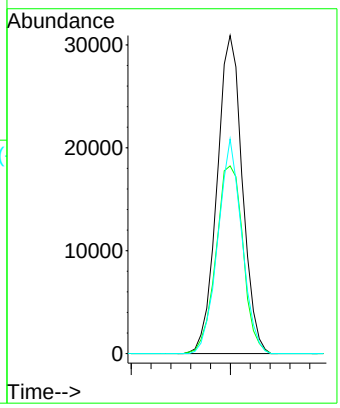
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

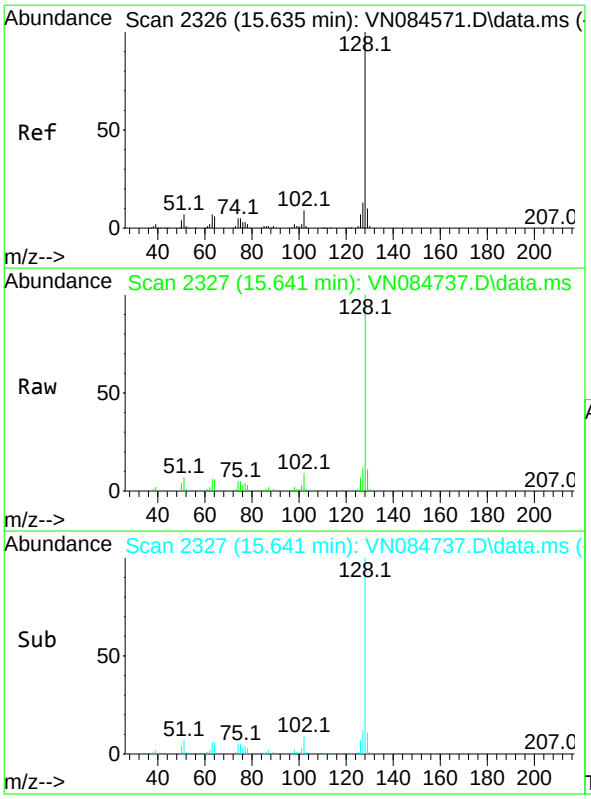


#94
Hexachlorobutadiene
Concen: 47.550 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:225 Resp: 54821

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.4	97.2
227	63.8	32.4	97.0

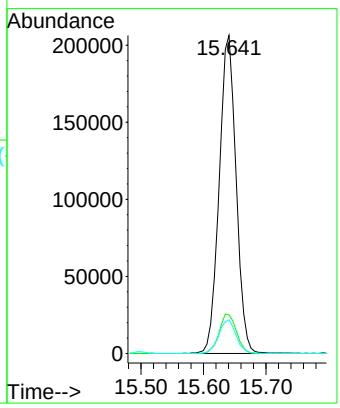




#95
Naphthalene
Concen: 49.414 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:128 Resp: 388305

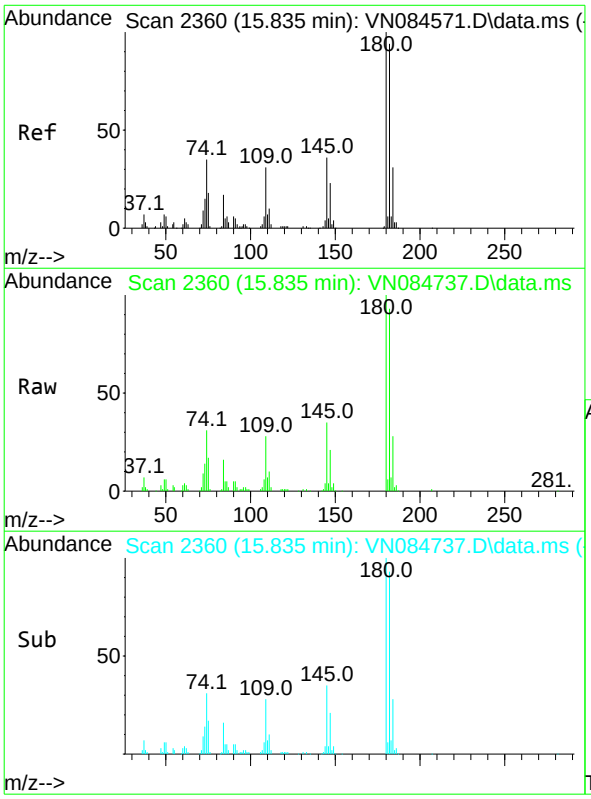
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

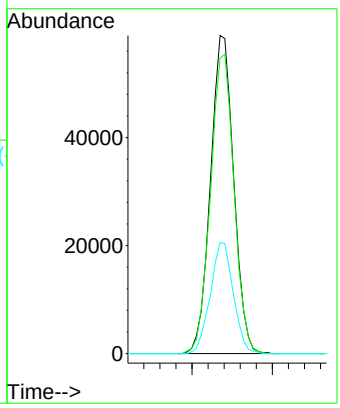
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 46.377 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:180 Resp: 118192

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	34.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	98	0.00
2	T	Dichlorodifluoromethane	0.575	0.506	12.0	90	0.00
3	P	Chloromethane	0.952	0.557	41.5#	81	0.00
4	C	Vinyl Chloride	0.618	0.547	11.5#	89	0.00
5	T	Bromomethane	0.328	0.287	12.5	95	-0.05
6	T	Chloroethane	0.488	0.357	26.8#	93	-0.05
7	T	Trichlorofluoromethane	1.018	0.949	6.8	97	-0.03
8	T	Diethyl Ether	0.359	0.340	5.3	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.549	4.5	97	-0.02
10	T	Methyl Iodide	0.769	0.731	4.9	98	-0.02
11	T	Tert butyl alcohol	0.095	0.101	-6.3	115	0.01
12	CM	1,1-Dichloroethene	0.569	0.508	10.7#	93	-0.02
13	T	Acrolein	0.095	0.091	4.2	102	0.00
14	T	Allyl chloride	0.923	0.849	8.0	91	-0.02
15	T	Acrylonitrile	0.276	0.278	-0.7	101	0.00
16	T	Acetone	0.238	0.238	0.0	115	0.00
17	T	Carbon Disulfide	1.753	1.371	21.8	84	-0.02
18	T	Methyl Acetate	1.172	0.681	41.9#	89	0.00
19	T	Methyl tert-butyl Ether	1.745	1.787	-2.4	100	0.00
20	T	Methylene Chloride	0.635	0.580	8.7	95	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.522	10.8	91	-0.01
22	T	Diisopropyl ether	1.835	1.770	3.5	94	0.00
23	T	Vinyl Acetate	1.265	1.284	-1.5	97	0.00
24	P	1,1-Dichloroethane	1.102	1.027	6.8	95	-0.01
25	T	2-Butanone	0.337	0.361	-7.1	112	0.00
26	T	2,2-Dichloropropane	0.959	0.957	0.2	100	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.647	5.3	96	0.00
28	T	Bromochloromethane	0.439	0.468	-6.6	90	0.00
29	T	Tetrahydrofuran	0.224	0.234	-4.5	104	0.00
30	C	Chloroform	1.121	1.095	2.3#	99	0.00
31	T	Cyclohexane	0.997	0.842	15.5	88	0.00
32	T	1,1,1-Trichloroethane	1.021	0.989	3.1	98	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.672	6.9	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.338	0.337	0.3	94	0.00
36	T	1,1-Dichloropropene	0.469	0.449	4.3	95	0.00
37	T	Ethyl Acetate	0.426	0.439	-3.1	100	0.00
38	T	Carbon Tetrachloride	0.525	0.529	-0.8	99	0.00
39	T	Methylcyclohexane	0.478	0.502	-5.0	95	0.00
40	TM	Benzene	1.507	1.426	5.4	94	0.00
41	T	Methacrylonitrile	0.229	0.244	-6.6	95	0.00
42	TM	1,2-Dichloroethane	0.488	0.484	0.8	94	0.00
43	T	Isopropyl Acetate	0.927	0.753	18.8	95	0.00
44	TM	Trichloroethene	0.348	0.335	3.7	96	0.00
45	C	1,2-Dichloropropane	0.354	0.349	1.4#	96	0.00
46	T	Dibromomethane	0.250	0.246	1.6	97	0.00
47	T	Bromodichloromethane	0.526	0.525	0.2	97	0.00
48	T	Methyl methacrylate	0.331	0.353	-6.6	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	99	0.00
50	S	Toluene-d8	1.247	1.241	0.5	91	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.443	-9.1	100	0.00
52	CM	Toluene	0.882	0.897	-1.7#	96	0.00
53	T	t-1,3-Dichloropropene	0.544	0.542	0.4	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.582	-1.0	96	0.00
55	T	1,1,2-Trichloroethane	0.332	0.338	-1.8	99	0.00
56	T	Ethyl methacrylate	0.480	0.549	-14.4	97	0.00
57	T	1,3-Dichloropropane	0.570	0.577	-1.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.247	-9.8	90	0.00
59	T	2-Hexanone	0.296	0.342	-15.5	105	0.00
60	T	Dibromochloromethane	0.378	0.407	-7.7	99	0.00
61	T	1,2-Dibromoethane	0.340	0.344	-1.2	99	0.00
62	S	4-Bromofluorobenzene	0.466	0.466	0.0	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.333	0.341	-2.4	102	0.00
65	PM	Chlorobenzene	1.119	1.084	3.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.395	-1.5	99	0.00
67	C	Ethyl Benzene	1.867	1.938	-3.8#	96	0.00
68	T	m/p-Xylenes	0.707	0.733	-3.7	94	0.00
69	T	o-Xylene	0.661	0.705	-6.7	96	0.00
70	T	Styrene	1.154	1.220	-5.7	95	0.00
71	P	Bromoform	0.293	0.314	-7.2	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.504	3.511	-0.2	97	0.00
74	T	N-amyl acetate	1.491	1.478	0.9	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.092	6.7	100	0.00
76	T	1,2,3-Trichloropropane	0.999	0.879	12.0	97	0.00
77	T	Bromobenzene	0.942	0.872	7.4	97	0.00
78	T	n-propylbenzene	4.106	4.130	-0.6	96	0.00
79	T	2-Chlorotoluene	2.683	2.602	3.0	97	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.038	-4.6	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.451	-7.1	110	0.00
82	T	4-Chlorotoluene	2.823	2.639	6.5	95	0.00
83	T	tert-Butylbenzene	2.403	2.496	-3.9	97	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.088	-3.0	96	0.00
85	T	sec-Butylbenzene	3.395	3.519	-3.7	98	0.00
86	T	p-Isopropyltoluene	2.784	2.994	-7.5	96	0.00
87	T	1,3-Dichlorobenzene	1.838	1.648	10.3	97	0.00
88	T	1,4-Dichlorobenzene	1.937	1.652	14.7	97	0.00
89	T	n-Butylbenzene	2.605	2.558	1.8	96	0.00
90	T	Hexachloroethane	0.621	0.558	10.1	93	0.00
91	T	1,2-Dichlorobenzene	1.766	1.642	7.0	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.231	2.5	105	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.889	8.1	101	0.00
94	T	Hexachlorobutadiene	0.425	0.404	4.9	107	0.00
95	T	Naphthalene	2.894	2.860	1.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.871	7.2	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	98	0.00
2	T	Dichlorodifluoromethane	50.000	44.011	12.0	90	0.00
3	P	Chloromethane	50.000	40.824	18.4	81	0.00
4	C	Vinyl Chloride	50.000	44.265	11.5#	89	0.00
5	T	Bromomethane	50.000	43.874	12.3	95	-0.05
6	T	Chloroethane	50.000	46.548	6.9	93	-0.05
7	T	Trichlorofluoromethane	50.000	46.569	6.9	97	-0.03
8	T	Diethyl Ether	50.000	47.307	5.4	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.675	4.7	97	-0.02
10	T	Methyl Iodide	50.000	47.554	4.9	98	-0.02
11	T	Tert butyl alcohol	250.000	264.502	-5.8	115	0.01
12	CM	1,1-Dichloroethene	50.000	44.624	10.8#	93	-0.02
13	T	Acrolein	250.000	240.444	3.8	102	0.00
14	T	Allyl chloride	50.000	45.991	8.0	91	-0.02
15	T	Acrylonitrile	250.000	252.005	-0.8	101	0.00
16	T	Acetone	250.000	285.402	-14.2	115	0.00
17	T	Carbon Disulfide	50.000	39.085	21.8	84	-0.02
18	T	Methyl Acetate	50.000	44.235	11.5	89	0.00
19	T	Methyl tert-butyl Ether	50.000	51.192	-2.4	100	0.00
20	T	Methylene Chloride	50.000	45.640	8.7	95	-0.01
21	T	trans-1,2-Dichloroethene	50.000	44.620	10.8	91	-0.01
22	T	Diisopropyl ether	50.000	48.241	3.5	94	0.00
23	T	Vinyl Acetate	250.000	253.614	-1.4	97	0.00
24	P	1,1-Dichloroethane	50.000	46.632	6.7	95	-0.01
25	T	2-Butanone	250.000	267.725	-7.1	112	0.00
26	T	2,2-Dichloropropane	50.000	49.924	0.2	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.375	5.3	96	0.00
28	T	Bromochloromethane	50.000	53.278	-6.6	90	0.00
29	T	Tetrahydrofuran	250.000	262.227	-4.9	104	0.00
30	C	Chloroform	50.000	48.836	2.3#	99	0.00
31	T	Cyclohexane	50.000	42.218	15.6	88	0.00
32	T	1,1,1-Trichloroethane	50.000	48.451	3.1	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.520	7.0	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	49.841	0.3	94	0.00
36	T	1,1-Dichloropropene	50.000	47.829	4.3	95	0.00
37	T	Ethyl Acetate	50.000	51.530	-3.1	100	0.00
38	T	Carbon Tetrachloride	50.000	50.460	-0.9	99	0.00
39	T	Methylcyclohexane	50.000	52.613	-5.2	95	0.00
40	TM	Benzene	50.000	47.302	5.4	94	0.00
41	T	Methacrylonitrile	50.000	53.342	-6.7	95	0.00
42	TM	1,2-Dichloroethane	50.000	49.567	0.9	94	0.00
43	T	Isopropyl Acetate	50.000	47.825	4.3	95	0.00
44	TM	Trichloroethene	50.000	48.155	3.7	96	0.00
45	C	1,2-Dichloropropane	50.000	49.364	1.3#	96	0.00
46	T	Dibromomethane	50.000	49.331	1.3	97	0.00
47	T	Bromodichloromethane	50.000	49.937	0.1	97	0.00
48	T	Methyl methacrylate	50.000	53.245	-6.5	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	1067.991	-6.8	99	0.00
50	S	Toluene-d8	50.000	49.783	0.4	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.681	-9.1	100	0.00
52	CM	Toluene	50.000	50.893	-1.8#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	49.744	0.5	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.535	-1.1	96	0.00
55	T	1,1,2-Trichloroethane	50.000	50.961	-1.9	99	0.00
56	T	Ethyl methacrylate	50.000	57.102	-14.2	97	0.00
57	T	1,3-Dichloropropane	50.000	50.662	-1.3	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.890	-10.0	90	0.00
59	T	2-Hexanone	250.000	289.044	-15.6	105	0.00
60	T	Dibromochloromethane	50.000	53.707	-7.4	99	0.00
61	T	1,2-Dibromoethane	50.000	50.512	-1.0	99	0.00
62	S	4-Bromofluorobenzene	50.000	49.994	0.0	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	51.302	-2.6	102	0.00
65	PM	Chlorobenzene	50.000	48.471	3.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.745	-1.5	99	0.00
67	C	Ethyl Benzene	50.000	51.895	-3.8#	96	0.00
68	T	m/p-Xylenes	100.000	103.688	-3.7	94	0.00
69	T	o-Xylene	50.000	53.315	-6.6	96	0.00
70	T	Styrene	50.000	52.864	-5.7	95	0.00
71	P	Bromoform	50.000	53.640	-7.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	50.098	-0.2	97	0.00
74	T	N-amyl acetate	50.000	49.546	0.9	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.674	6.7	100	0.00
76	T	1,2,3-Trichloropropane	50.000	43.975	12.0	97	0.00
77	T	Bromobenzene	50.000	46.265	7.5	97	0.00
78	T	n-propylbenzene	50.000	50.296	-0.6	96	0.00
79	T	2-Chlorotoluene	50.000	48.502	3.0	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.302	-4.6	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.556	-7.1	110	0.00
82	T	4-Chlorotoluene	50.000	46.727	6.5	95	0.00
83	T	tert-Butylbenzene	50.000	51.922	-3.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.510	-3.0	96	0.00
85	T	sec-Butylbenzene	50.000	51.824	-3.6	98	0.00
86	T	p-Isopropyltoluene	50.000	53.758	-7.5	96	0.00
87	T	1,3-Dichlorobenzene	50.000	44.831	10.3	97	0.00
88	T	1,4-Dichlorobenzene	50.000	48.971	2.1	97	0.00
89	T	n-Butylbenzene	50.000	49.100	1.8	96	0.00
90	T	Hexachloroethane	50.000	44.933	10.1	93	0.00
91	T	1,2-Dichlorobenzene	50.000	46.484	7.0	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.712	2.6	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.957	8.1	101	0.00
94	T	Hexachlorobutadiene	50.000	47.550	4.9	107	0.00
95	T	Naphthalene	50.000	49.414	1.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	46.377	7.2	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 19:44

Lab File ID: VN084761.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.952	0.559	0.1	-41.28	50
Vinyl Chloride	0.618	0.550		-11	50
Bromomethane	0.328	0.301		-8.23	50
Chloroethane	0.488	0.360		-26.23	50
Trichlorofluoromethane	1.018	0.897		-11.89	50
1,1,2-Trichlorotrifluoroethane	0.575	0.497		-13.56	50
1,1-Dichloroethene	0.569	0.503		-11.6	50
Acetone	0.238	0.210		-11.77	50
Carbon Disulfide	1.753	1.332		-24.02	50
Methyl tert-butyl Ether	1.745	1.840		5.44	50
Methylene Chloride	0.635	0.610		-3.94	50
trans-1,2-Dichloroethene	0.585	0.537		-8.2	50
1,1-Dichloroethane	1.102	1.057	0.1	-4.08	50
2-Butanone	0.337	0.333		-1.19	50
Carbon Tetrachloride	0.525	0.488		-7.05	50
cis-1,2-Dichloroethene	0.683	0.666		-2.49	50
Chloroform	1.121	1.122		0.09	50
1,1,1-Trichloroethane	1.021	0.997		-2.35	50
Methylcyclohexane	0.478	0.431		-9.83	50
Benzene	1.507	1.371		-9.02	50
1,2-Dichloroethane	0.488	0.475		-2.66	50
Trichloroethene	0.348	0.317		-8.91	50
1,2-Dichloropropane	0.354	0.340		-3.95	50
Bromodichloromethane	0.526	0.525		-0.19	50
4-Methyl-2-Pentanone	0.406	0.408		0.49	50
Toluene	0.882	0.845		-4.2	50
t-1,3-Dichloropropene	0.544	0.511		-6.07	50
cis-1,3-Dichloropropene	0.576	0.548		-4.86	50
1,1,2-Trichloroethane	0.332	0.326		-1.81	50
2-Hexanone	0.296	0.302		2.03	50
Dibromochloromethane	0.378	0.396		4.76	50
Tetrachloroethene	0.333	0.295		-11.41	50
Chlorobenzene	1.119	0.988	0.3	-11.71	50
Ethyl Benzene	1.867	1.744		-6.59	50
m/p-Xylenes	0.707	0.657		-7.07	50
o-Xylene	0.661	0.641		-3.03	50
Styrene	1.154	1.108		-3.99	50
Bromoform	0.293	0.295	0.1	0.68	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/08/2024 19:44

Lab File ID: VN084761.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.504	2.879		-17.84	50
1,1,2,2-Tetrachloroethane	1.170	0.933	0.3	-20.26	50
1,3-Dichlorobenzene	1.838	1.384		-24.7	50
1,4-Dichlorobenzene	1.937	1.351		-30.25	50
1,2-Dichlorobenzene	1.766	1.373		-22.25	50
1,2-Dichloroethane-d4	0.722	0.747		3.46	50
Dibromofluoromethane	0.338	0.351		3.85	50
Toluene-d8	1.247	1.278		2.49	50
4-Bromofluorobenzene	0.466	0.526		12.88	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\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124529	51.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.400%			
35) Dibromofluoromethane	8.159	113	100795	51.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	10.565	98	367233	51.238	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.847	95	151201	56.448	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	79840	41.645	ug/l	95
3) Chloromethane	2.359	50	93222	40.985	ug/l	99
4) Vinyl Chloride	2.512	62	91807	44.523	ug/l	97
5) Bromomethane	2.901	94	50158	45.910	ug/l	97
6) Chloroethane	3.071	64	60120	47.018	ug/l	91
7) Trichlorofluoromethane	3.465	101	149583	44.037	ug/l	98
8) Diethyl Ether	3.959	74	59028	49.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	82826	43.153	ug/l	96
10) Methyl Iodide	4.577	142	128775	50.201	ug/l	100
11) Tert butyl alcohol	5.536	59	78564	247.098	ug/l	99
12) 1,1-Dichloroethene	4.324	96	83944	44.200	ug/l	97
13) Acrolein	4.171	56	84643	266.973	ug/l	99
14) Allyl chloride	5.012	41	142985	46.424	ug/l	93
15) Acrylonitrile	5.718	53	224511	243.917	ug/l	100
16) Acetone	4.430	43	174954	251.462	ug/l	97
17) Carbon Disulfide	4.695	76	222138	37.981	ug/l	99
18) Methyl Acetate	5.018	43	118028	46.128	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	306885	52.720	ug/l	95
20) Methylene Chloride	5.265	84	101702	48.006	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	89513	45.901	ug/l	98
22) Diisopropyl ether	6.671	45	313158	51.170	ug/l	98
23) Vinyl Acetate	6.594	43	1073079	254.260	ug/l	97
24) 1,1-Dichloroethane	6.565	63	176217	47.960	ug/l	96
25) 2-Butanone	7.483	43	277508	246.947	ug/l	94
26) 2,2-Dichloropropane	7.489	77	144779	45.272	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	110999	48.747	ug/l	95
28) Bromochloromethane	7.812	49	85910	58.687	ug/l	92
29) Tetrahydrofuran	7.836	42	180639	242.301	ug/l	95
30) Chloroform	7.959	83	187046	50.016	ug/l	96
31) Cyclohexane	8.253	56	134612	40.479	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	166312	48.860	ug/l	97
36) 1,1-Dichloropropene	8.365	75	116530	43.185	ug/l	98
37) Ethyl Acetate	7.559	43	116837	47.723	ug/l	100
38) Carbon Tetrachloride	8.359	117	140352	46.534	ug/l	96
39) Methylcyclohexane	9.600	83	123923	45.143	ug/l	99
40) Benzene	8.600	78	394197	45.489	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	68417	51.967	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136487	48.633	ug/l		100
43) Isopropyl Acetate	8.688	43	224271	49.578	ug/l		98
44) Trichloroethene	9.347	130	91180	45.624	ug/l		100
45) 1,2-Dichloropropane	9.618	63	97596	48.010	ug/l		96
46) Dibromomethane	9.706	93	69386	48.372	ug/l		96
47) Bromodichloromethane	9.882	83	150876	49.898	ug/l	#	98
48) Methyl methacrylate	9.677	41	97742	51.298	ug/l		97
49) 1,4-Dioxane	9.694	88	34607	1024.951	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.441	43	587099	251.554	ug/l		98
52) Toluene	10.629	92	242933	47.933	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	146826	46.912	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	157398	47.515	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	93820	49.143	ug/l		94
56) Ethyl methacrylate	10.871	69	151119	54.724	ug/l		96
57) 1,3-Dichloropropane	11.159	76	162153	49.490	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	345207	267.152	ug/l		97
59) 2-Hexanone	11.194	43	433726	255.313	ug/l		97
60) Dibromochloromethane	11.359	129	113705	52.259	ug/l		99
61) 1,2-Dibromoethane	11.465	107	93773	47.966	ug/l		100
64) Tetrachloroethene	11.100	164	77481	44.374	ug/l		99
65) Chlorobenzene	11.888	112	259392	44.169	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	97706	47.831	ug/l		99
67) Ethyl Benzene	11.959	91	457820	46.703	ug/l		100
68) m/p-Xylenes	12.071	106	345030	92.969	ug/l		99
69) o-Xylene	12.394	106	168380	48.500	ug/l		99
70) Styrene	12.412	104	290953	48.041	ug/l		99
71) Bromoform	12.576	173	77334	50.312	ug/l	#	98
73) Isopropylbenzene	12.694	105	420864	41.079	ug/l		100
74) N-amyl acetate	12.494	43	188629	43.258	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	136422	39.892	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	109611m	37.506	ug/l		
77) Bromobenzene	12.976	156	107758	39.124	ug/l		93
78) n-propylbenzene	13.035	91	481292	40.088	ug/l		99
79) 2-Chlorotoluene	13.123	91	314696	40.116	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	364315	42.903	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	53703	43.595	ug/l		90
82) 4-Chlorotoluene	13.218	91	316861	38.381	ug/l		99
83) tert-Butylbenzene	13.435	119	303984	43.255	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	376938	43.009	ug/l		98
85) sec-Butylbenzene	13.612	105	408539	41.154	ug/l		98
86) p-Isopropyltoluene	13.729	119	354338	43.523	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	202400	37.655	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	197494	39.773	ug/l		99
89) n-Butylbenzene	14.053	91	288557	37.890	ug/l		99
90) Hexachloroethane	14.329	117	67008	36.906	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	200797	38.875	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26149	37.744	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	97897	34.628	ug/l		99
94) Hexachlorobutadiene	15.500	225	43879	35.343	ug/l		95
95) Naphthalene	15.641	128	324128	38.303	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	98094	35.743	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

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

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

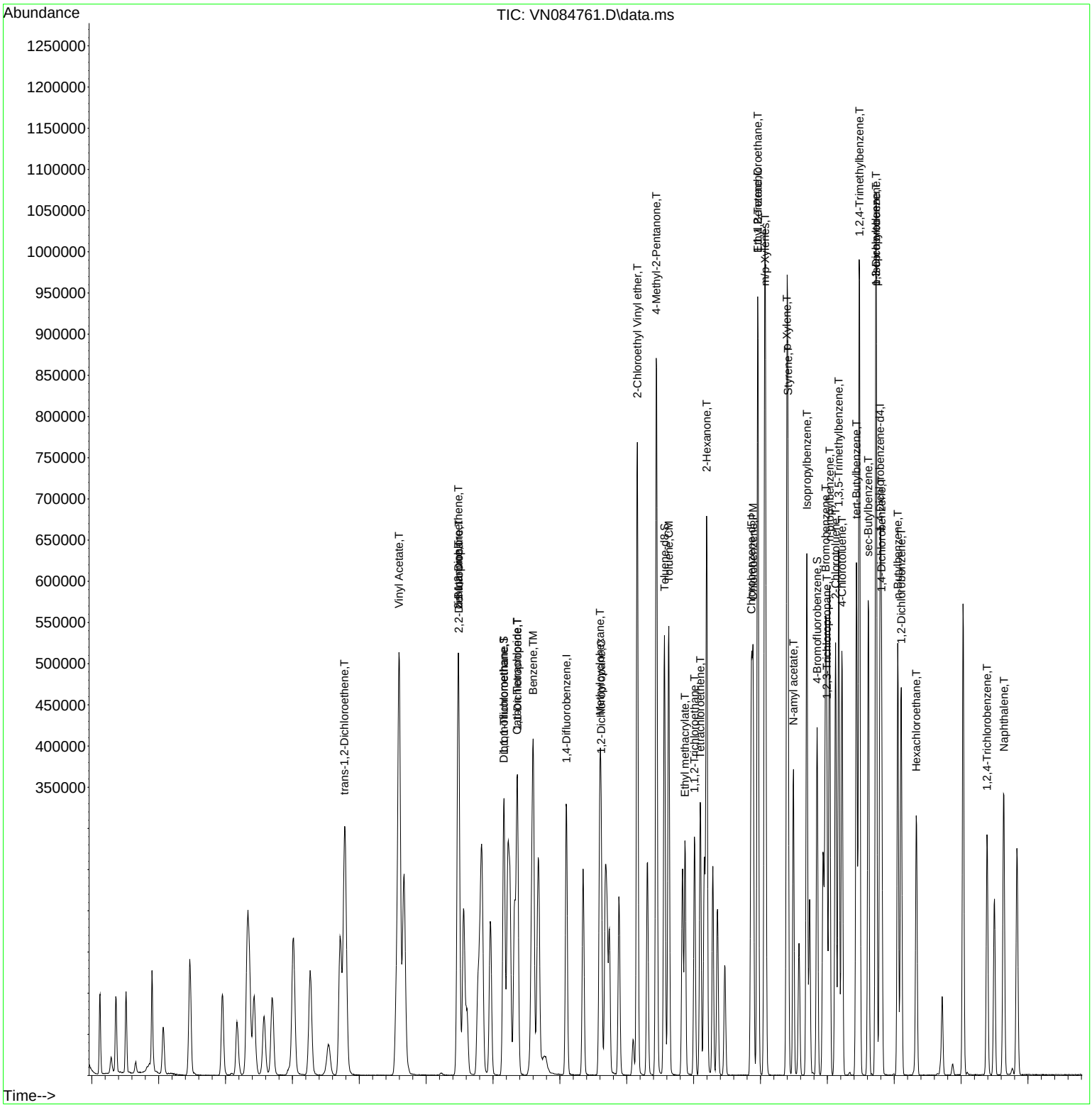
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

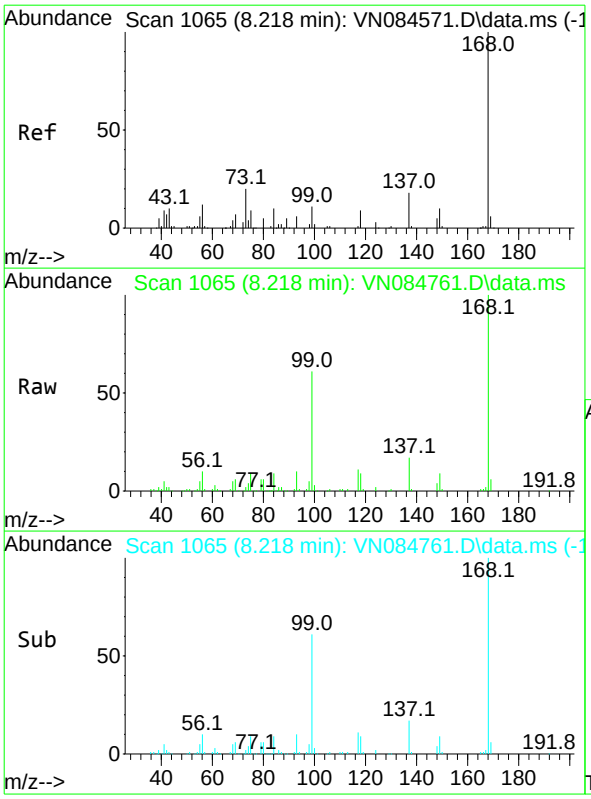
Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

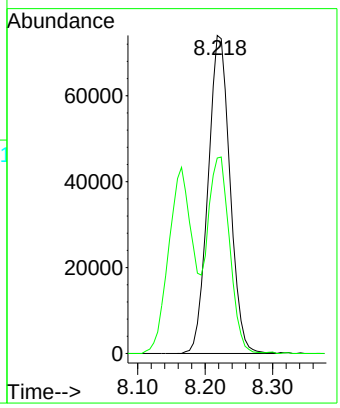




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:168 Resp: 166771

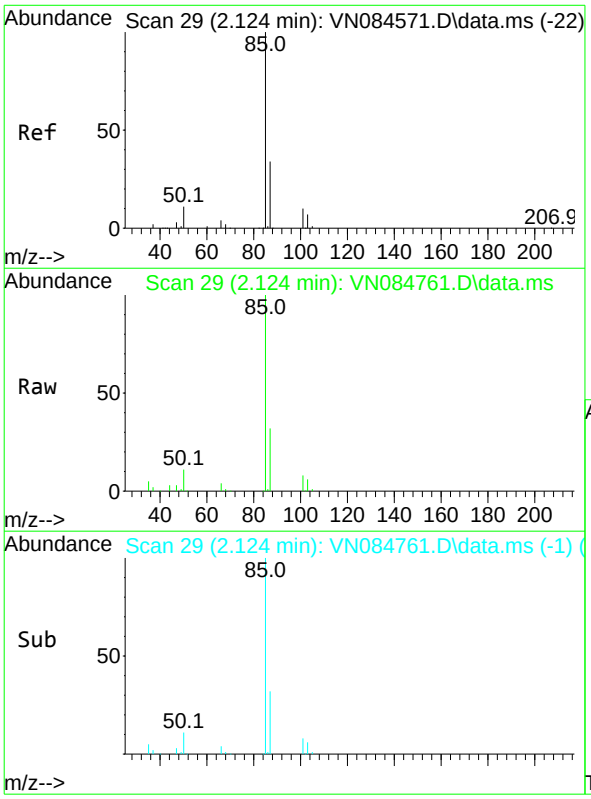
Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

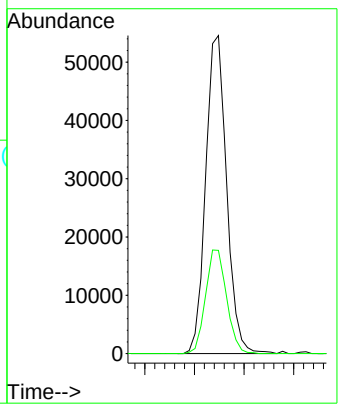
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

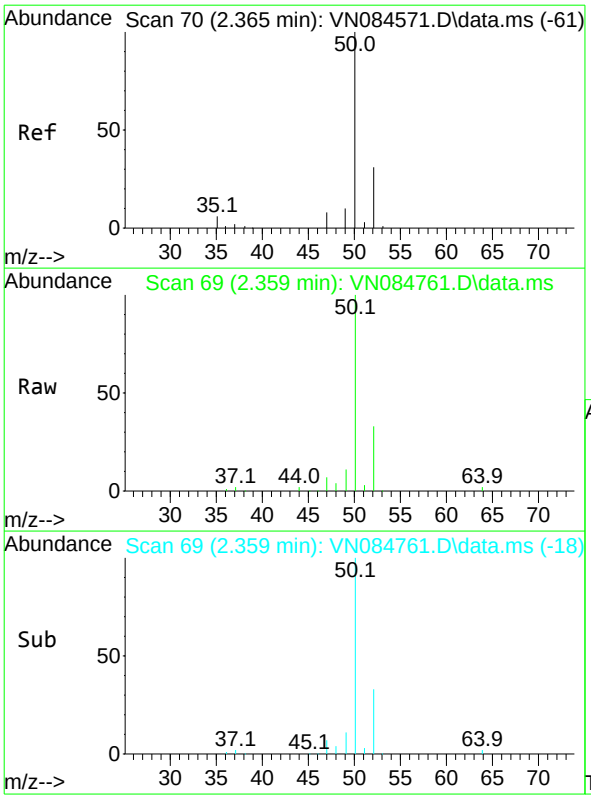


#2
Dichlorodifluoromethane
Concen: 41.645 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 85 Resp: 79840

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9

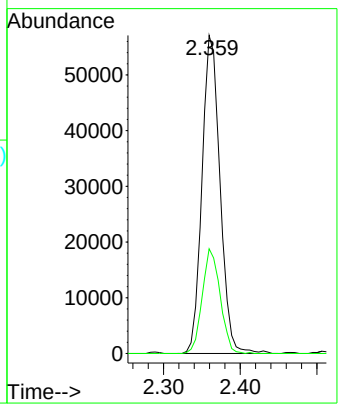




#3
Chloromethane
Concen: 40.985 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 50 Resp: 93222

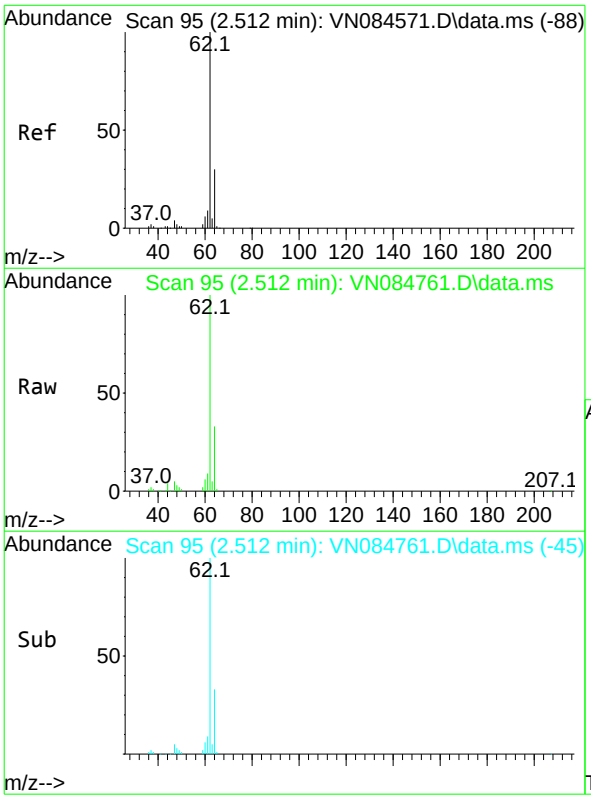
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

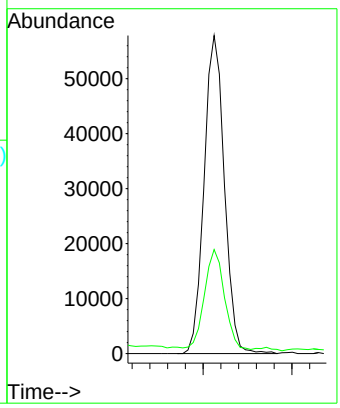
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

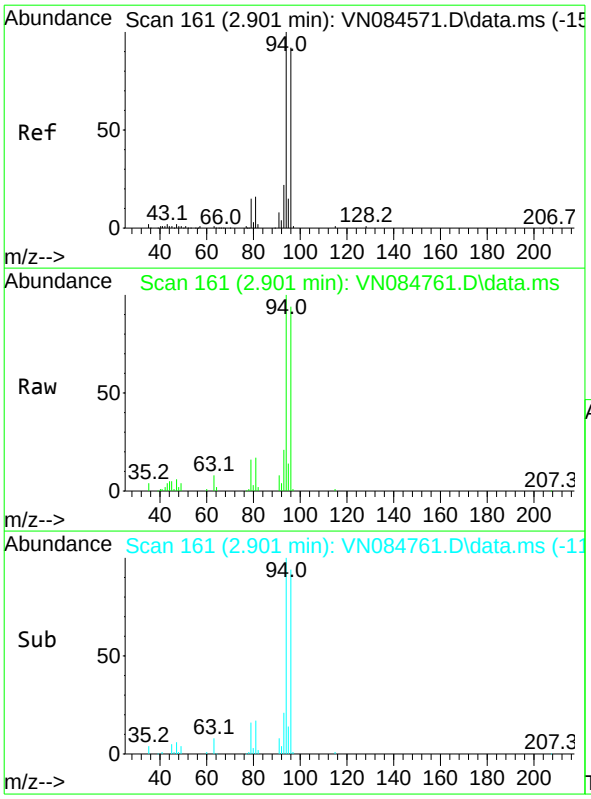


#4
Vinyl Chloride
Concen: 44.523 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 62 Resp: 91807

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.2	39.4

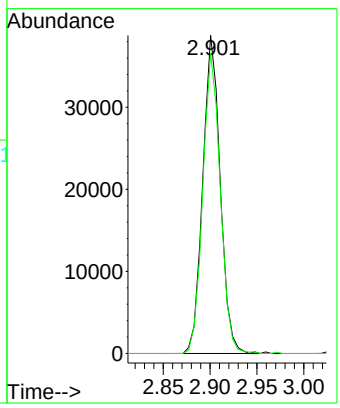




#5
Bromomethane
Concen: 45.910 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 94 Resp: 50158

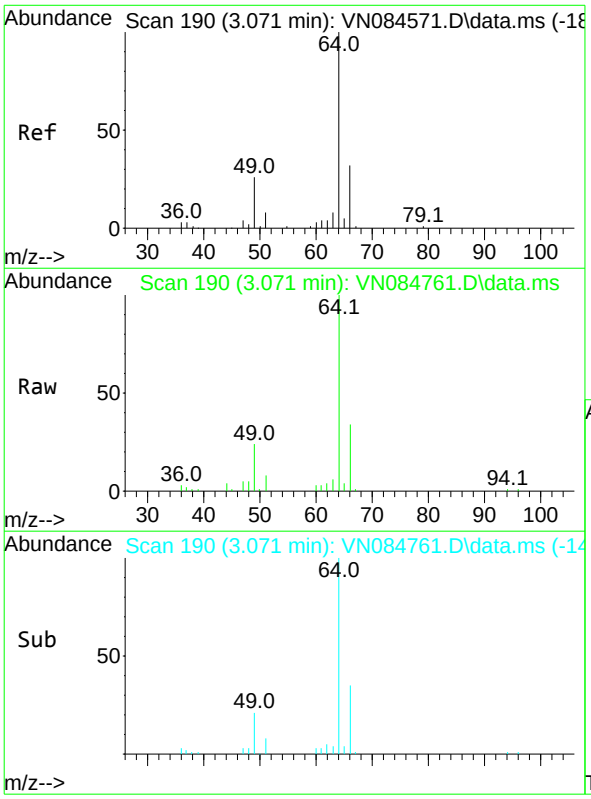
Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

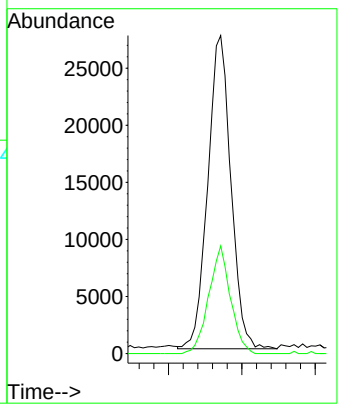
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

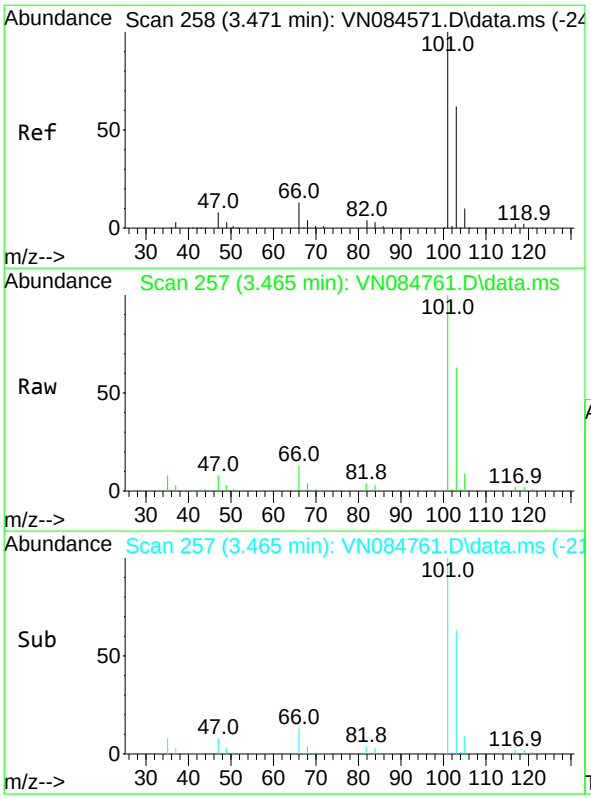


#6
Chloroethane
Concen: 47.018 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 64 Resp: 60120

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.5	35.3

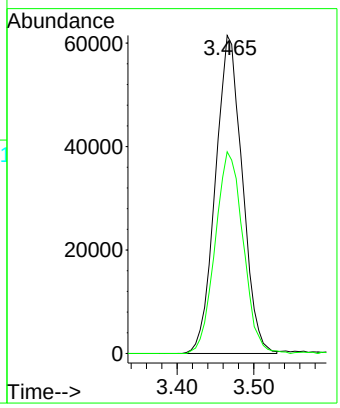




#7
Trichlorofluoromethane
Concen: 44.037 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:101 Resp: 149583

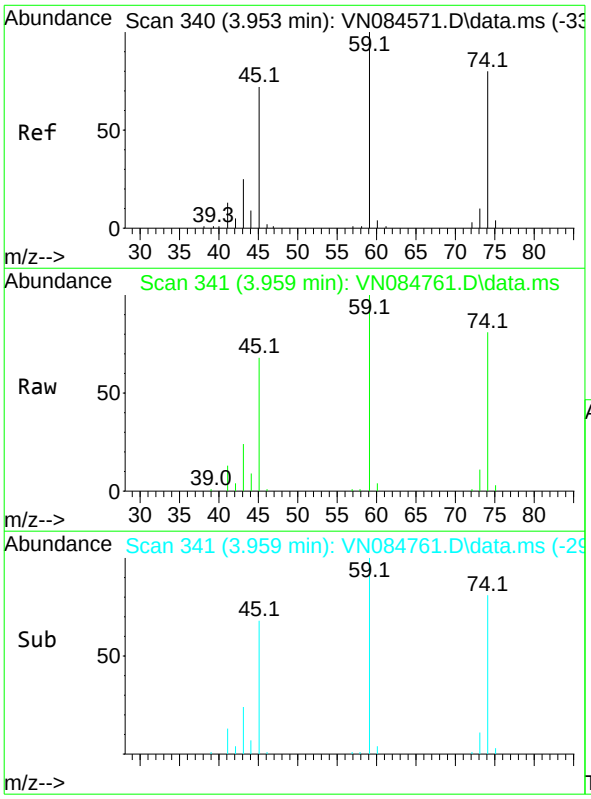
Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

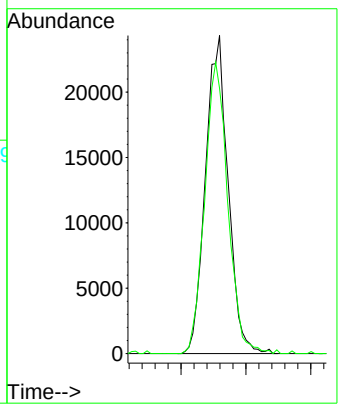
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

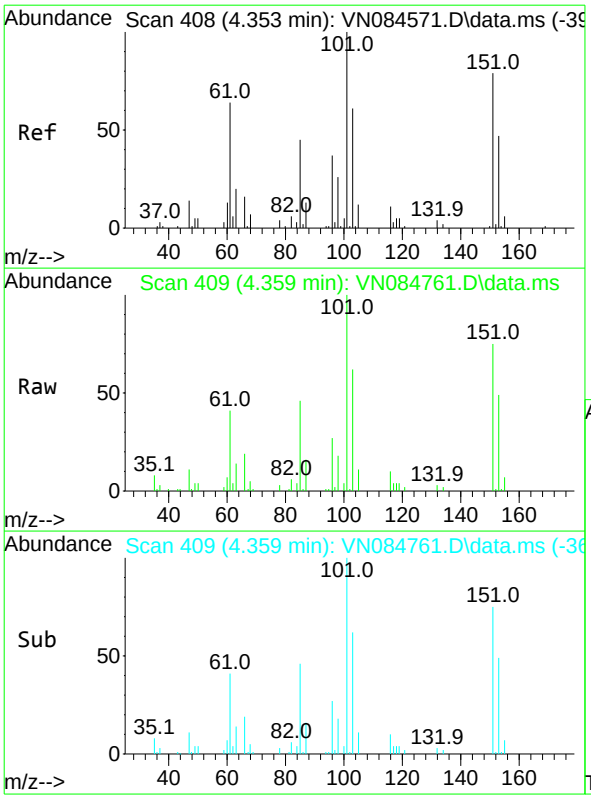


#8
Diethyl Ether
Concen: 49.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 74 Resp: 59028

Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.7	143.1

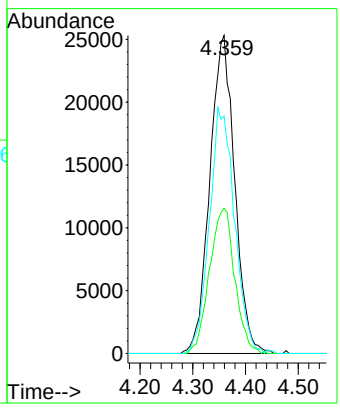




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.153 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:101 Resp: 82826

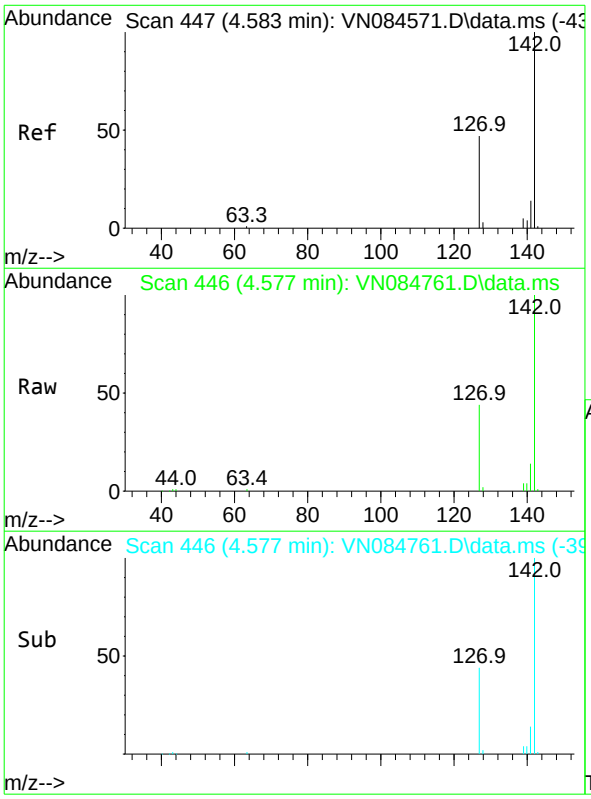
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	78.2	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

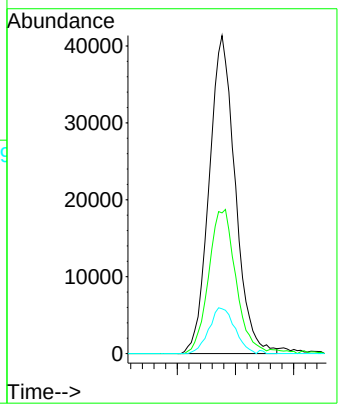
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

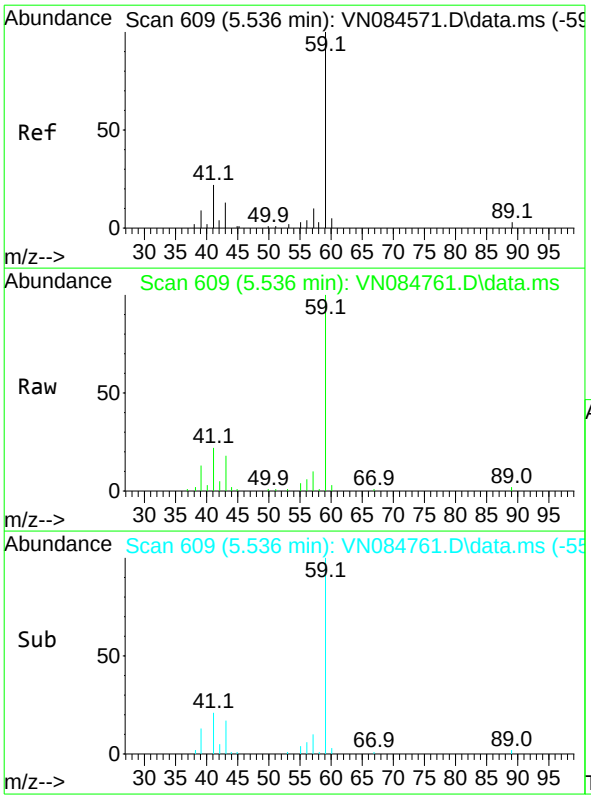


#10
Methyl Iodide
Concen: 50.201 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:142 Resp: 128775

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.3	52.9
141	14.1	11.0	16.6

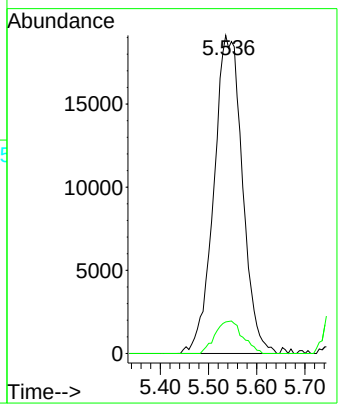




#11
Tert butyl alcohol
Concen: 247.098 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 59 Resp: 78564

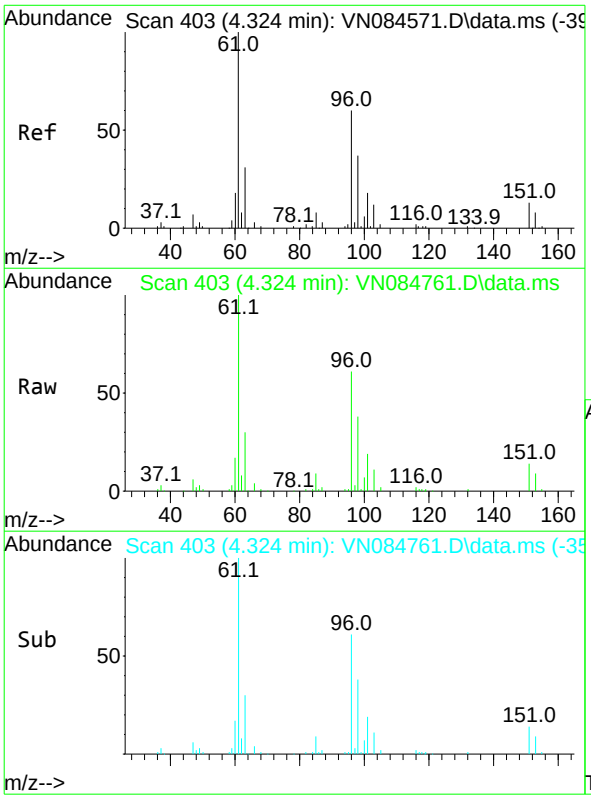
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

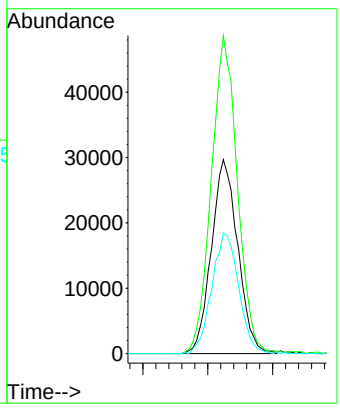
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

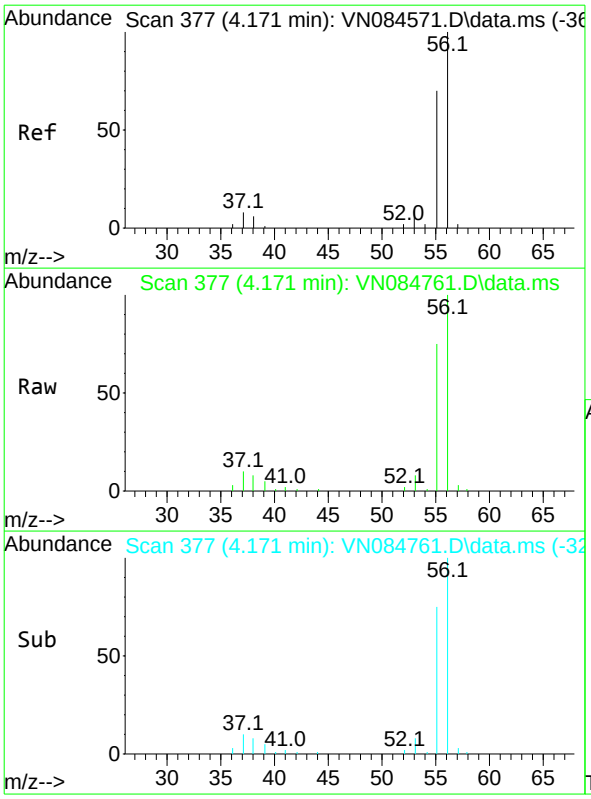


#12
1,1-Dichloroethene
Concen: 44.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 96 Resp: 83944

Ion	Ratio	Lower	Upper
96	100		
61	164.0	128.6	192.8
98	62.2	51.7	77.5

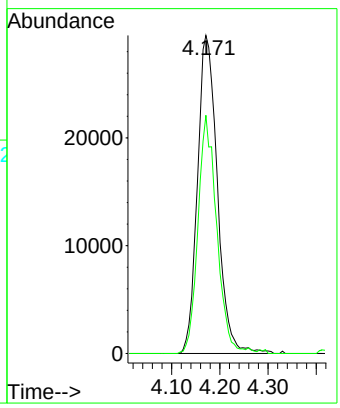




#13
Acrolein
Concen: 266.973 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 56 Resp: 84643

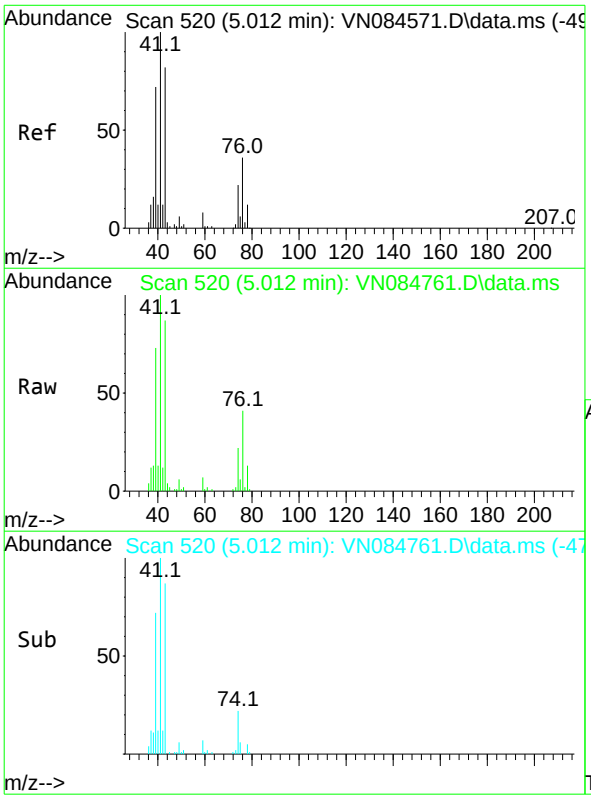
Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

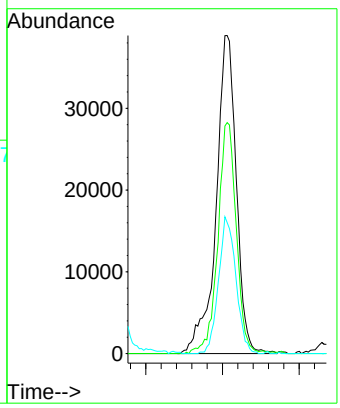
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

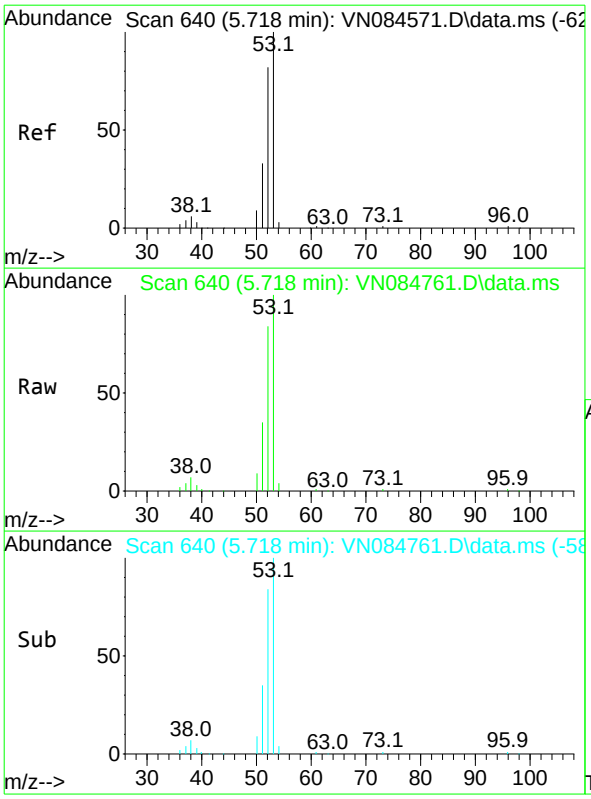


#14
Allyl chloride
Concen: 46.424 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 41 Resp: 142985

Ion	Ratio	Lower	Upper
41	100		
39	65.7	59.0	88.6
76	36.8	29.8	44.6

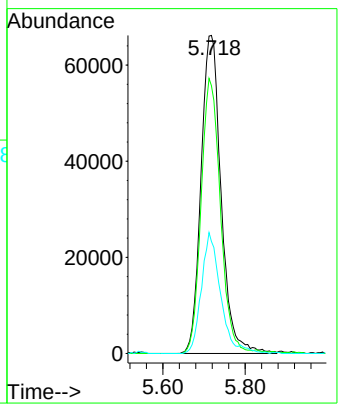




#15
Acrylonitrile
Concen: 243.917 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 53 Resp: 224511

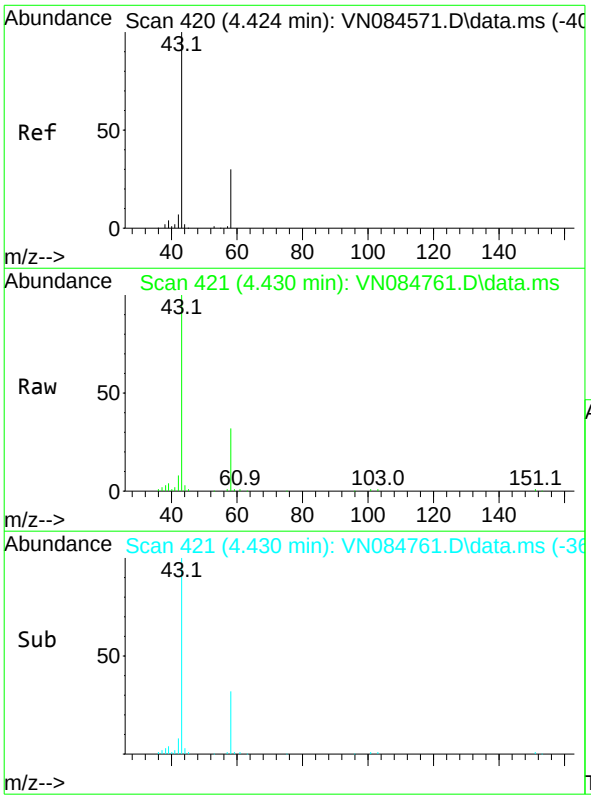
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.4
51	36.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

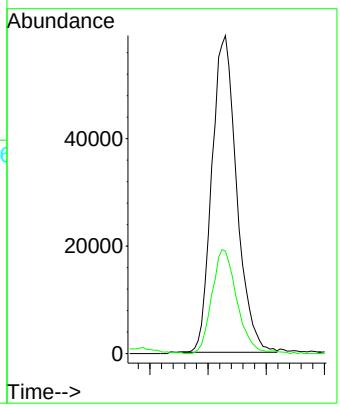
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

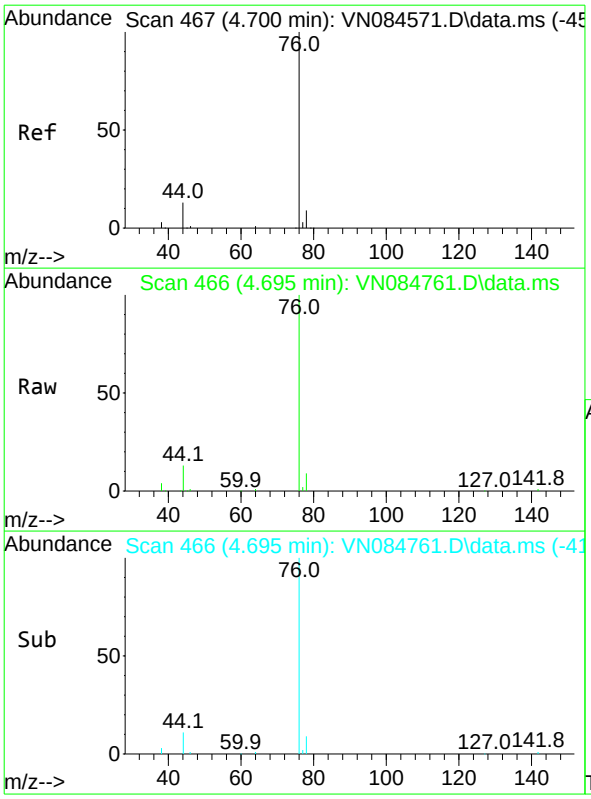


#16
Acetone
Concen: 251.462 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 174954

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6

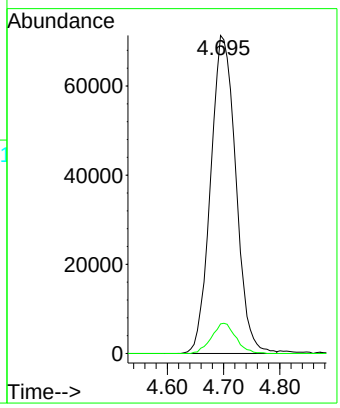




#17
Carbon Disulfide
Concen: 37.981 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 76 Resp: 222138

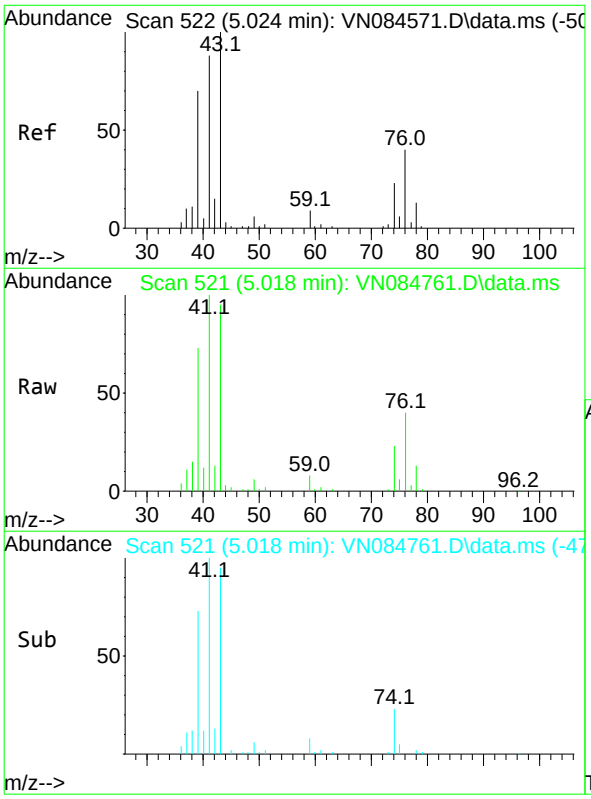
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

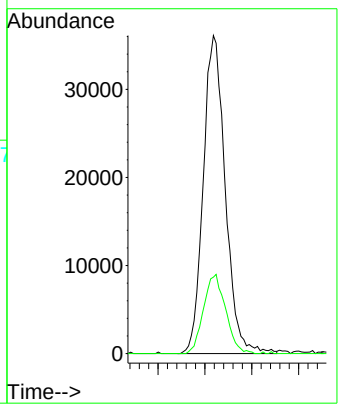
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

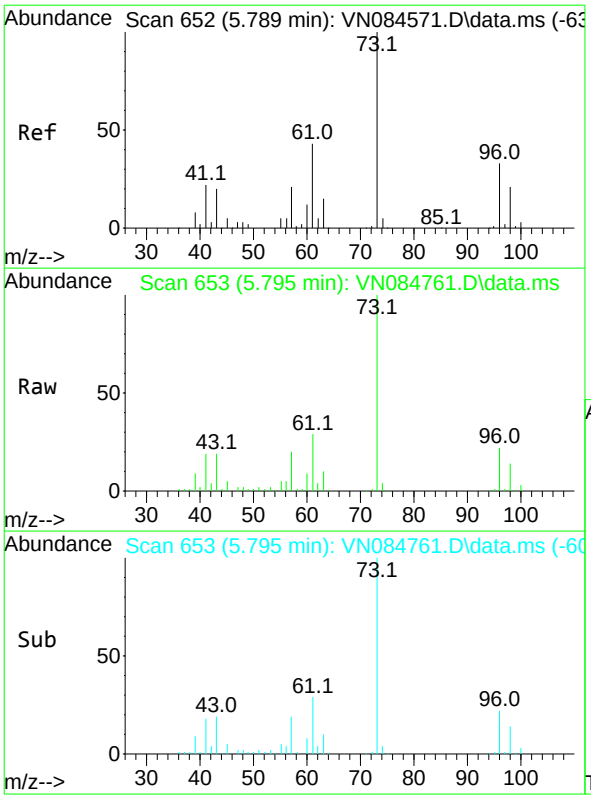


#18
Methyl Acetate
Concen: 46.128 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 118028

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8

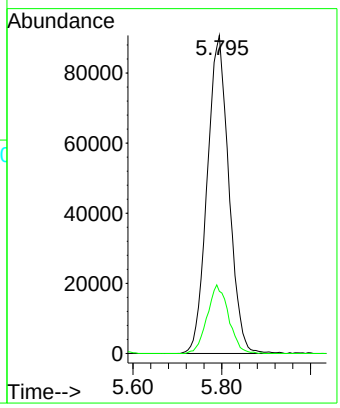




#19
Methyl tert-butyl Ether
Concen: 52.720 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 73 Resp: 306885

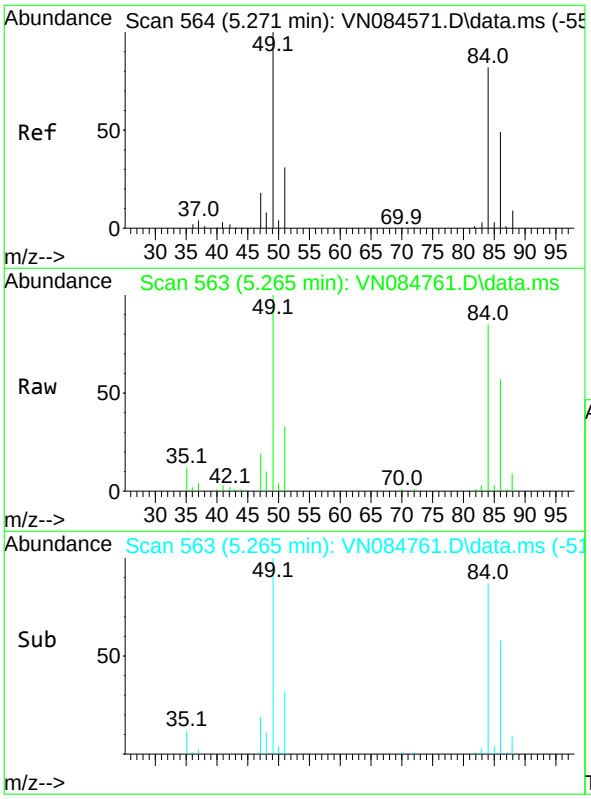
Ion	Ratio	Lower	Upper
73	100		
57	19.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

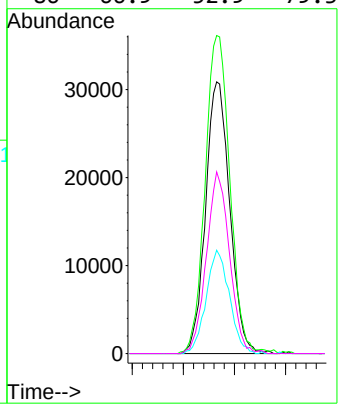
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

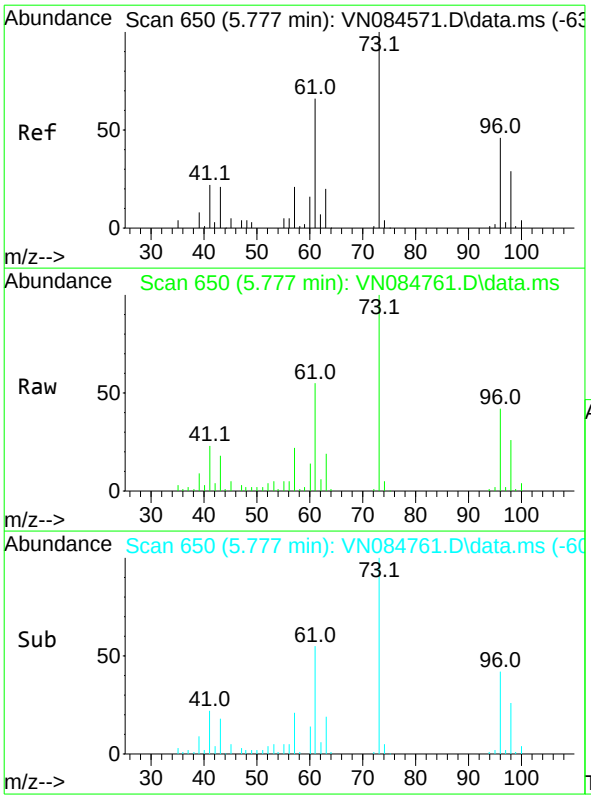


#20
Methylene Chloride
Concen: 48.006 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 84 Resp: 101702

Ion	Ratio	Lower	Upper
84	100		
49	117.0	107.2	160.8
51	38.1	31.8	47.8
86	66.9	52.9	79.3

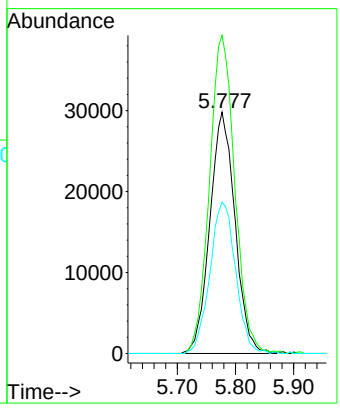




#21
trans-1,2-Dichloroethene
Concen: 45.901 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 96 Resp: 89513

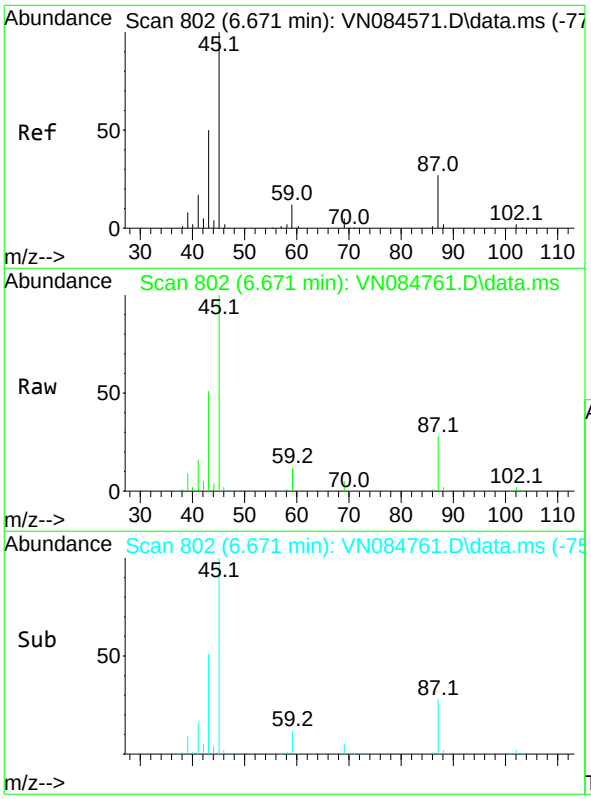
Ion	Ratio	Lower	Upper
96	100		
61	131.8	108.4	162.6
98	62.7	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

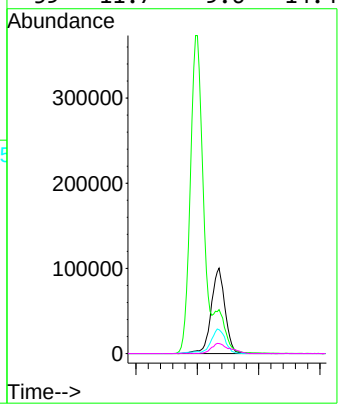
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

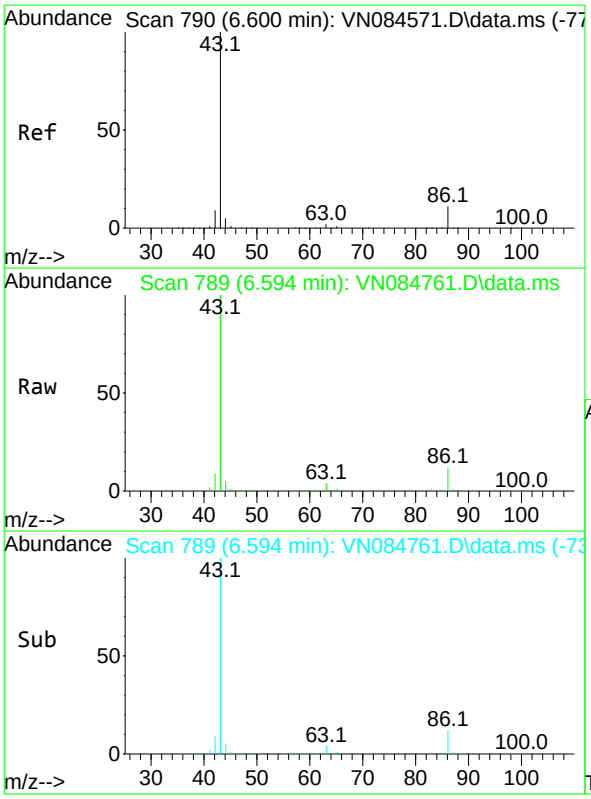


#22
Diisopropyl ether
Concen: 51.170 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 45 Resp: 313158

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.0	21.8	32.6
59	11.7	9.6	14.4

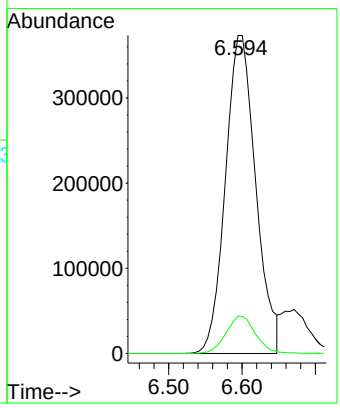




#23
Vinyl Acetate
Concen: 254.260 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 1073079

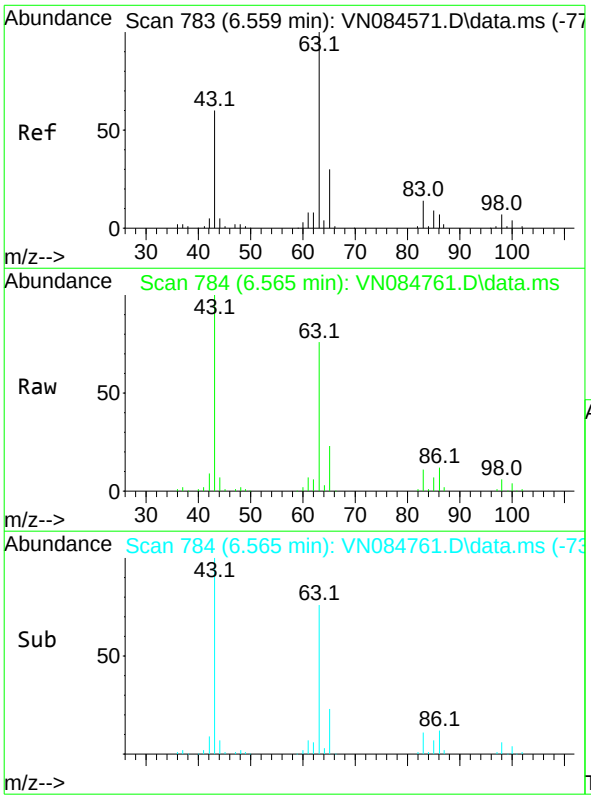
Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

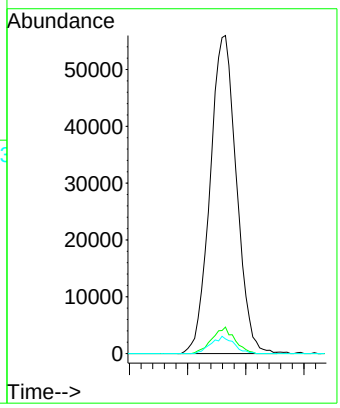
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

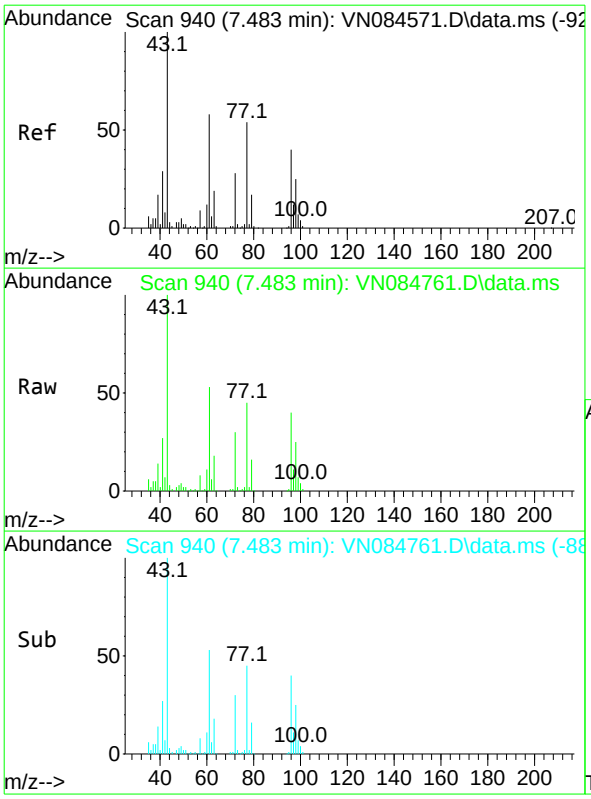


#24
1,1-Dichloroethane
Concen: 47.960 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 63 Resp: 176217

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	4.6	2.0	5.8

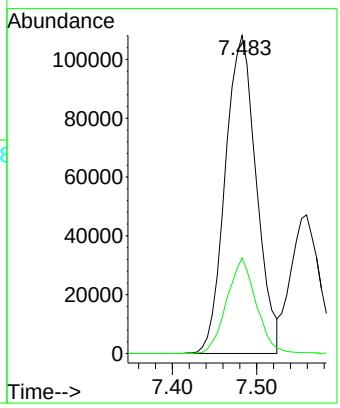




#25
2-Butanone
Concen: 246.947 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 277508

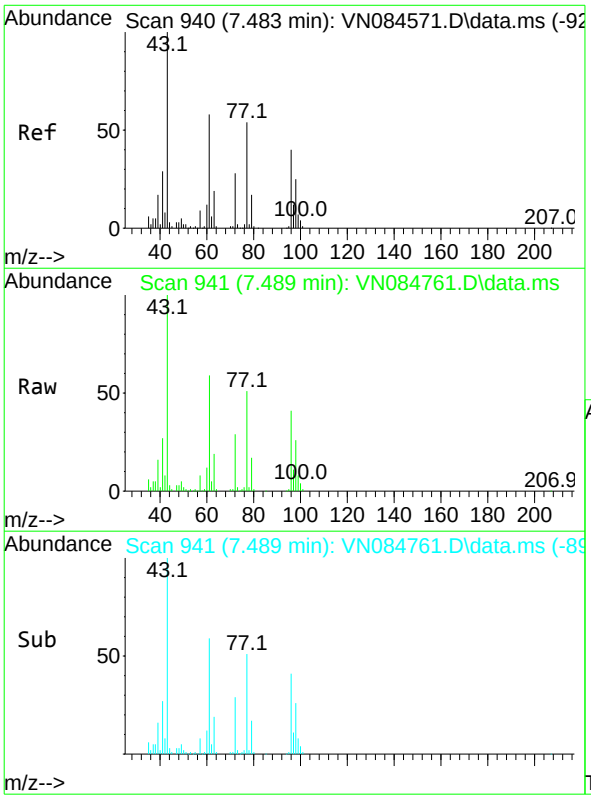
Ion	Ratio	Lower	Upper
43	100		
72	30.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

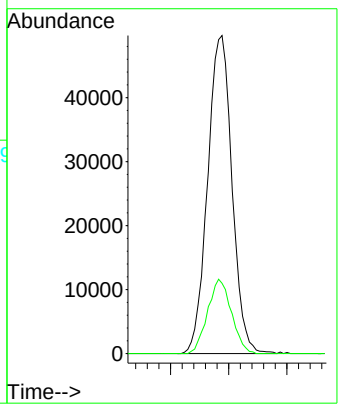
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

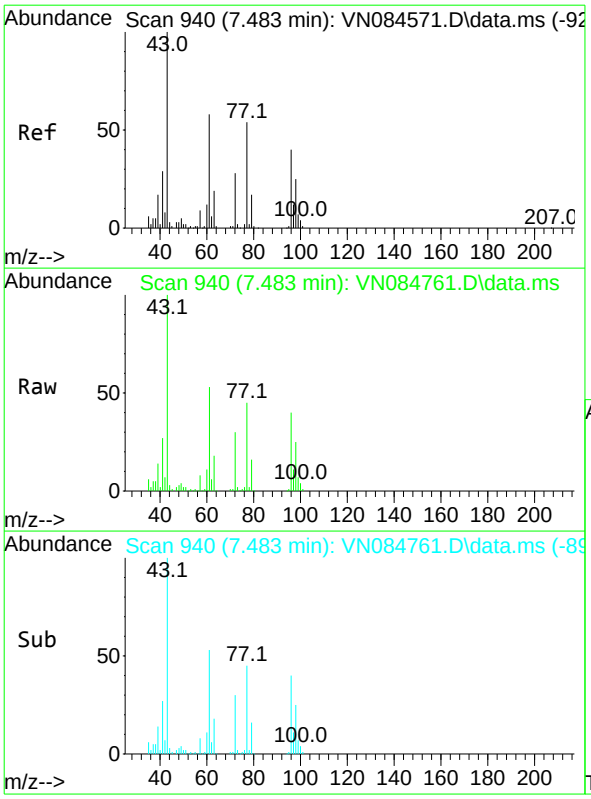


#26
2,2-Dichloropropane
Concen: 45.272 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 77 Resp: 144779

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3

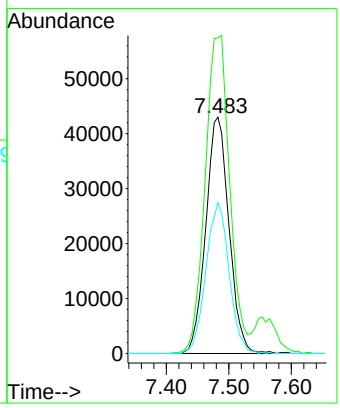




#27
cis-1,2-Dichloroethene
Concen: 48.747 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 96 Resp: 110999

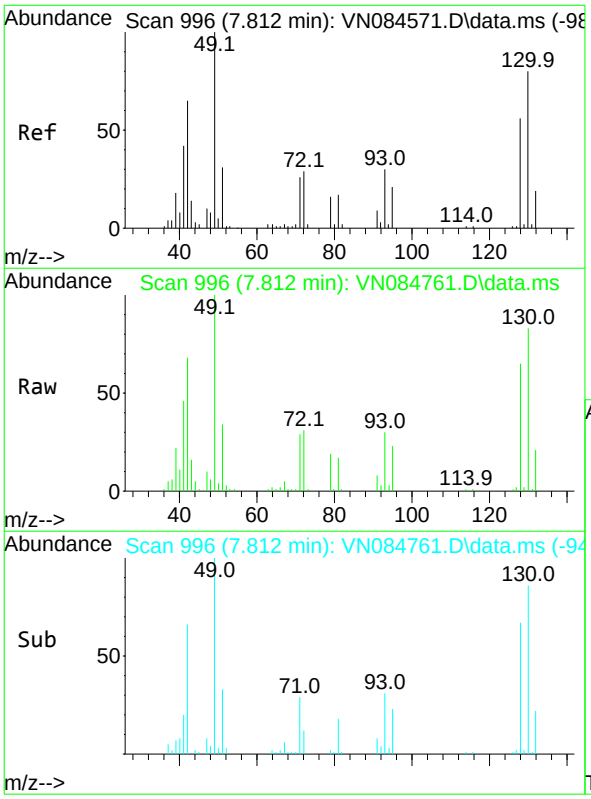
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	301.8
98	63.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

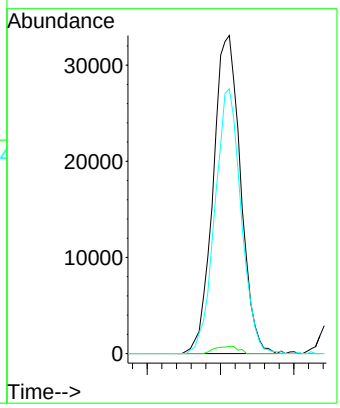
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

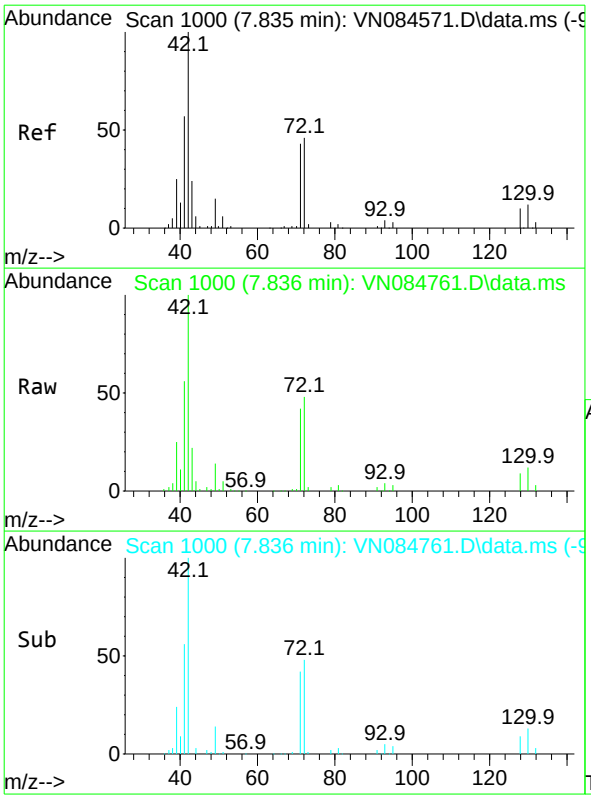


#28
Bromochloromethane
Concen: 58.687 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 49 Resp: 85910

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	79.8	58.0	87.0

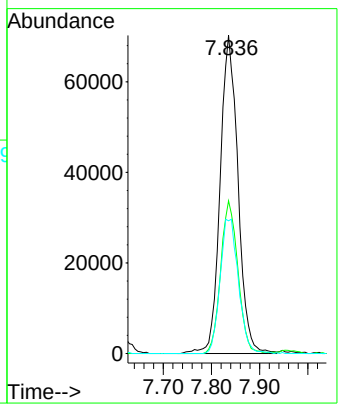




#29
Tetrahydrofuran
Concen: 242.301 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 42 Resp: 180639

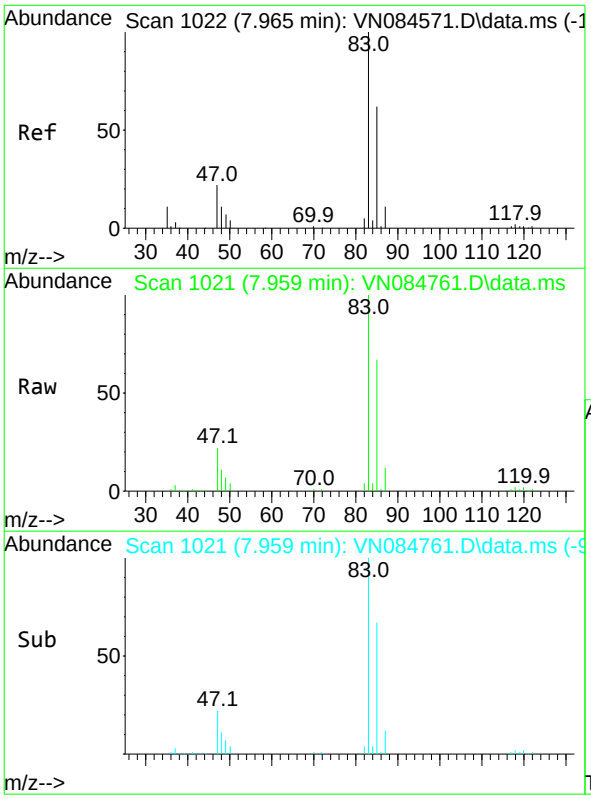
Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.6	51.8
71	43.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

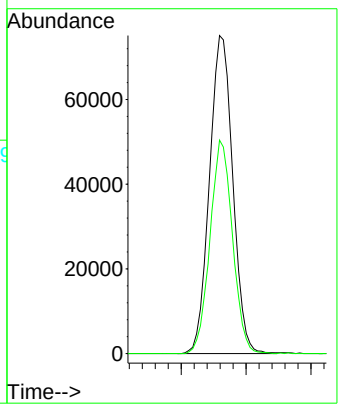
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

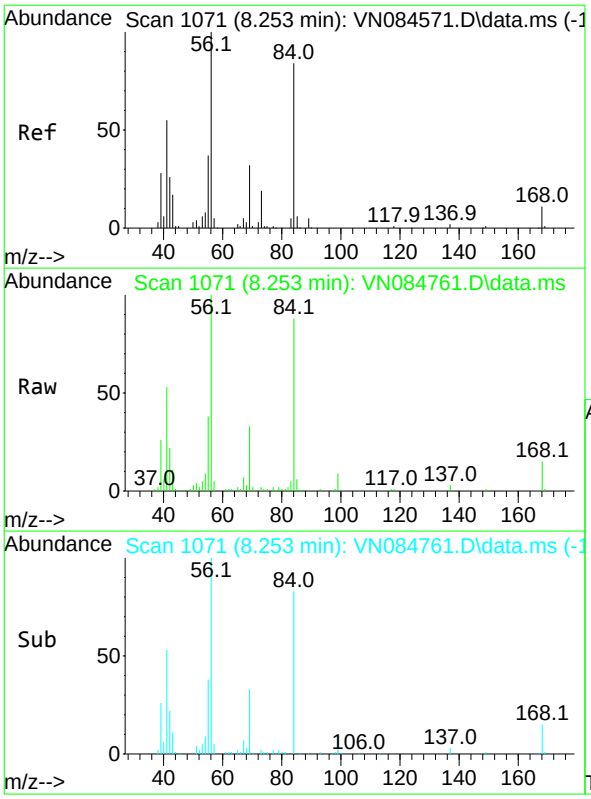


#30
Chloroform
Concen: 50.016 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 83 Resp: 187046

Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.0	76.4

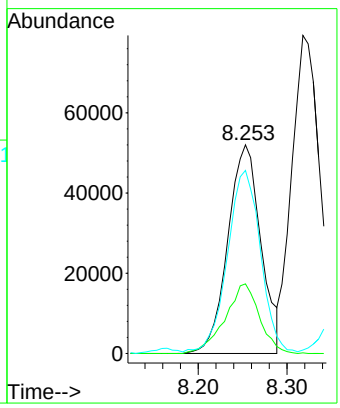




#31
Cyclohexane
Concen: 40.479 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 56 Resp: 134612

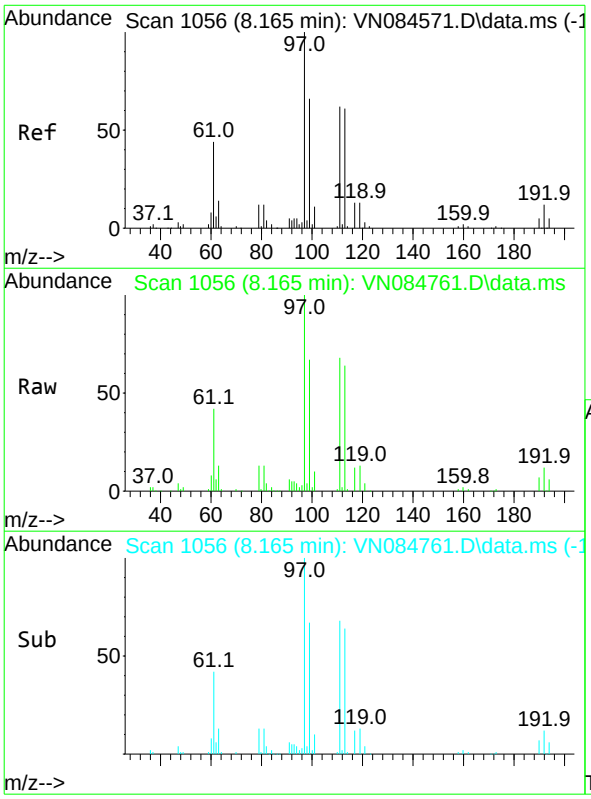
Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.6
84	86.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

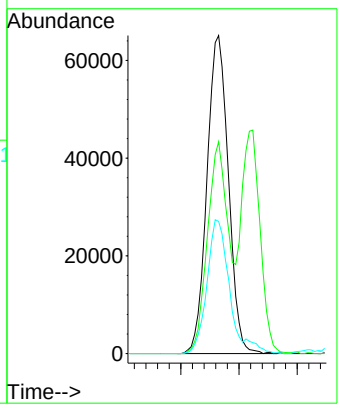
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

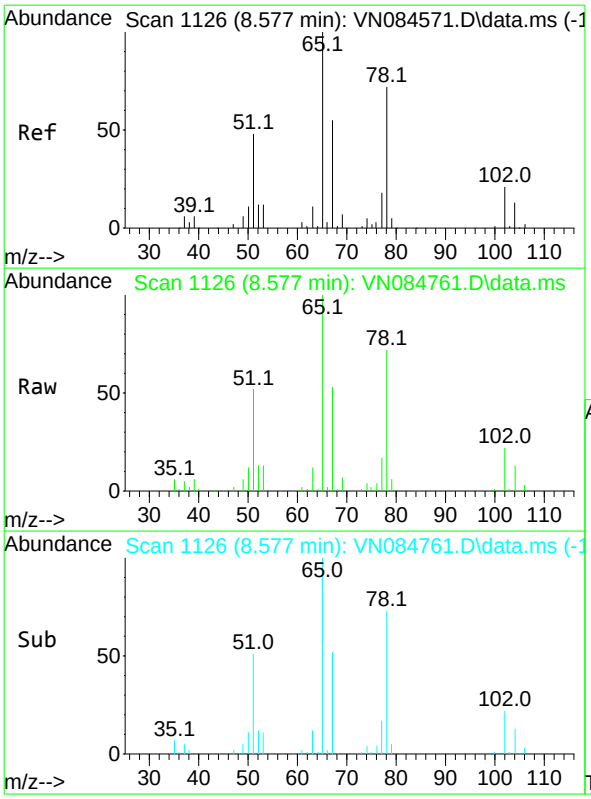


#32
1,1,1-Trichloroethane
Concen: 48.860 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 97 Resp: 166312

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.2	76.8
61	44.6	37.5	56.3

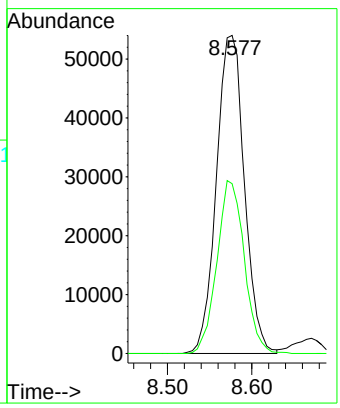




#33
1,2-Dichloroethane-d4
Concen: 51.699 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 65 Resp: 124529

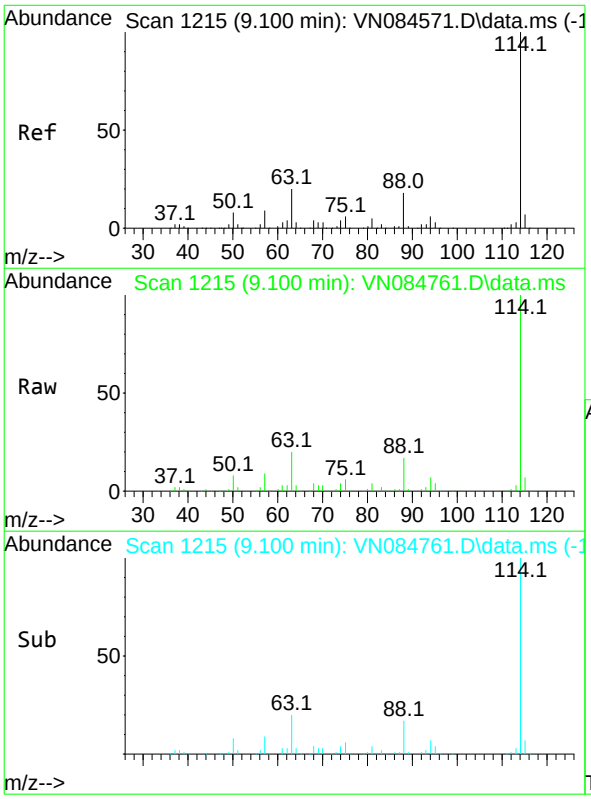
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

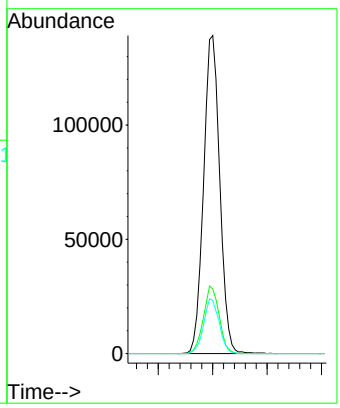
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

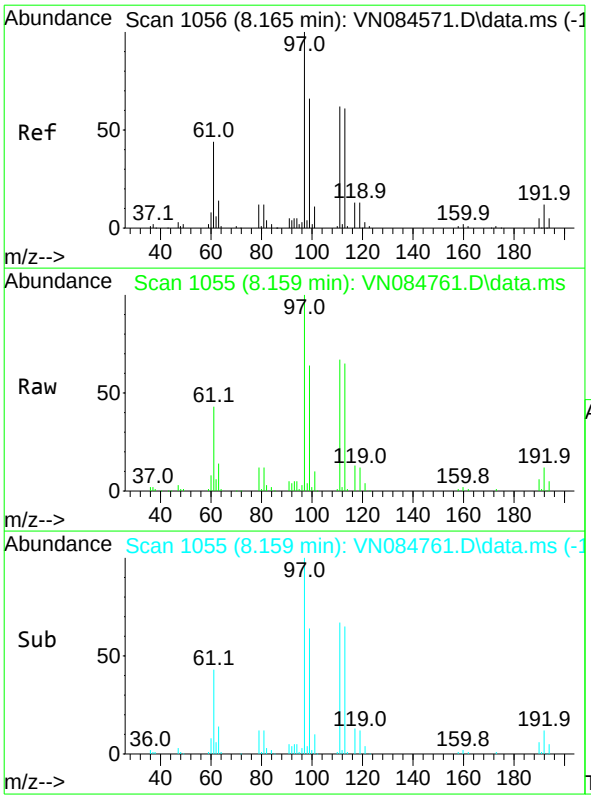


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:114 Resp: 287444

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	16.7	0.0	31.6

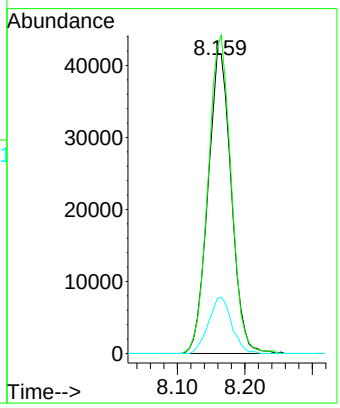




#35
Dibromofluoromethane
Concen: 51.805 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:113 Resp: 100795

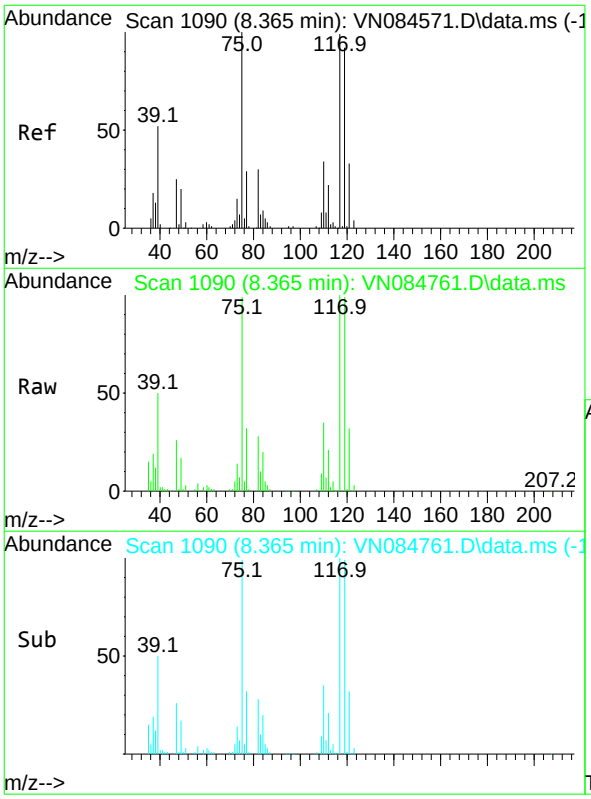
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	18.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

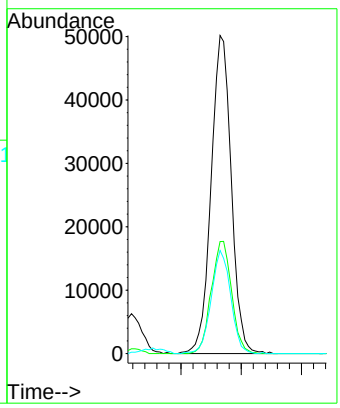
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

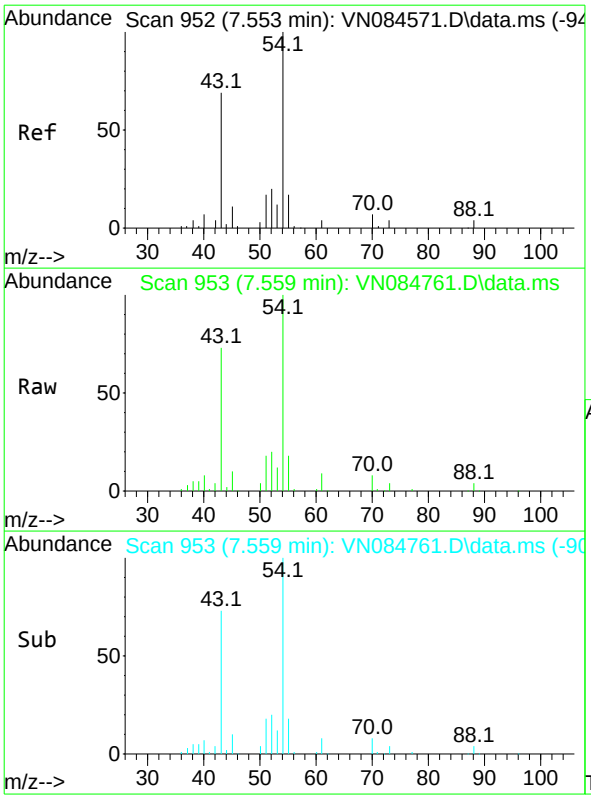


#36
1,1-Dichloropropene
Concen: 43.185 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 116530

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	31.4	24.7	37.1

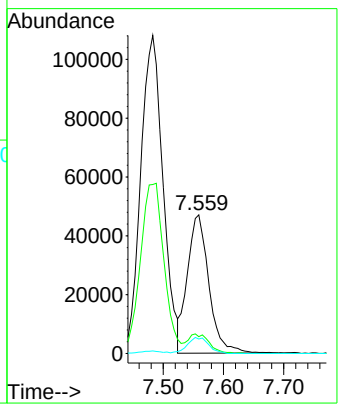




#37
Ethyl Acetate
Concen: 47.723 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 116837

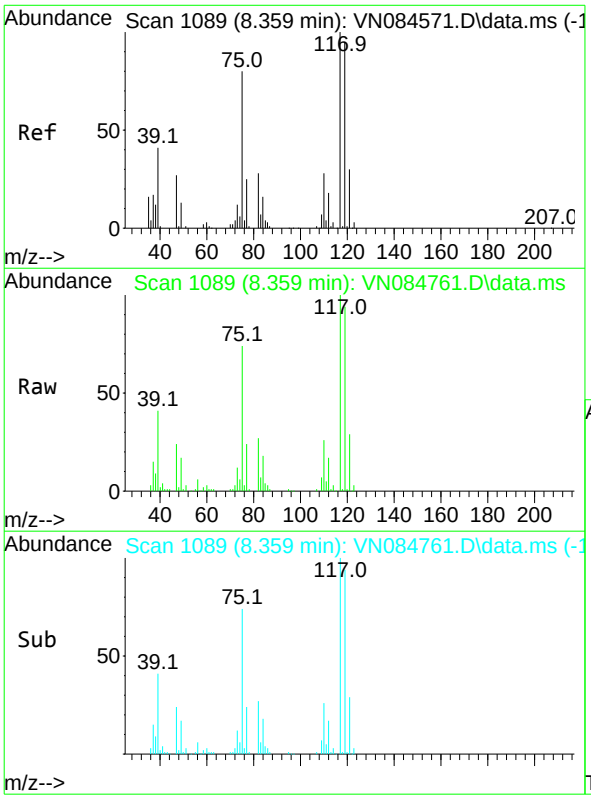
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.4	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

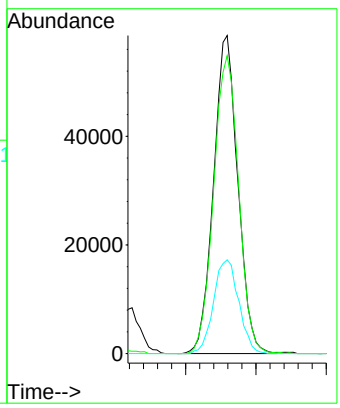
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

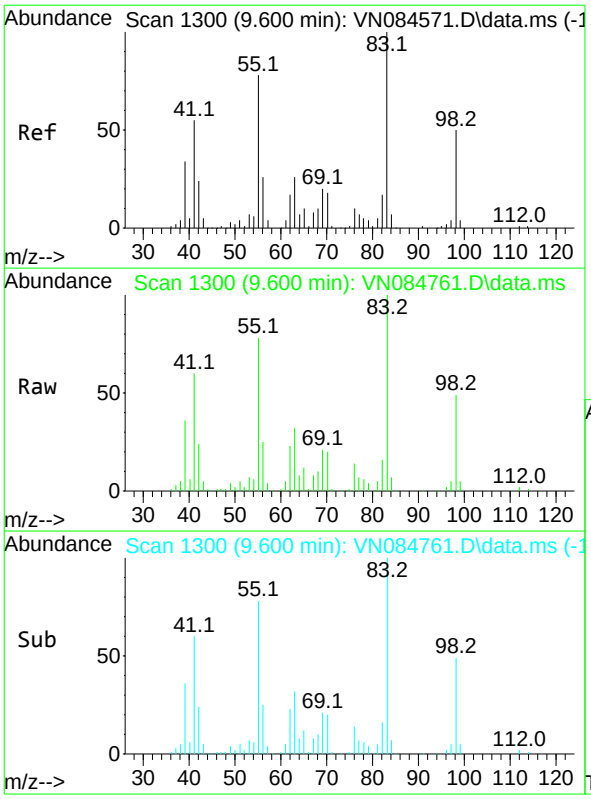


#38
Carbon Tetrachloride
Concen: 46.534 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:117 Resp: 140352

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.7	118.1
121	29.5	24.4	36.6

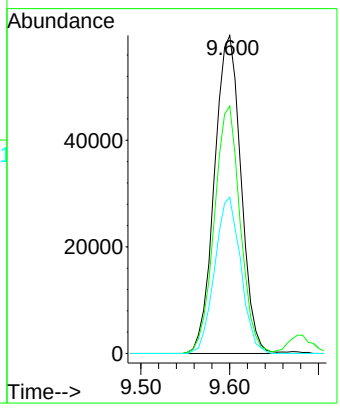




#39
Methylcyclohexane
Concen: 45.143 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 83 Resp: 123923

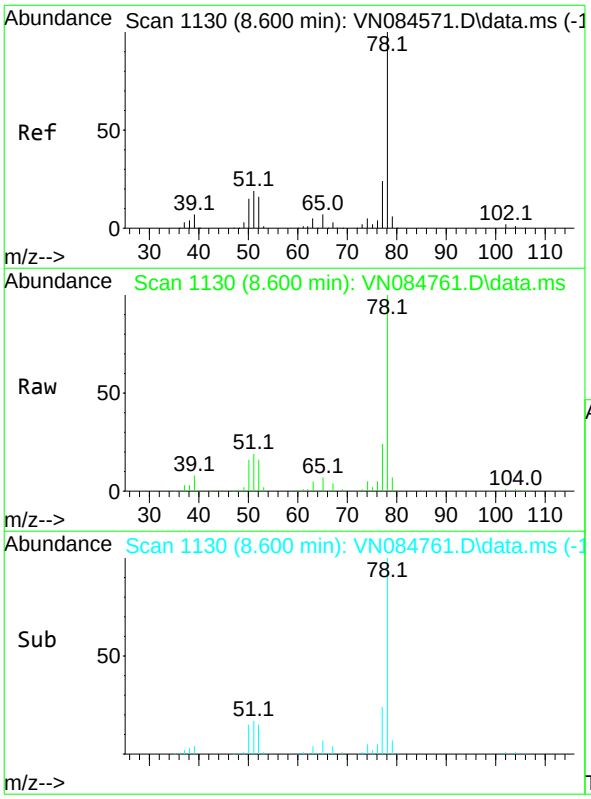
Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	49.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

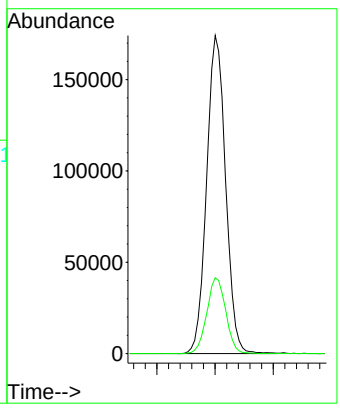
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

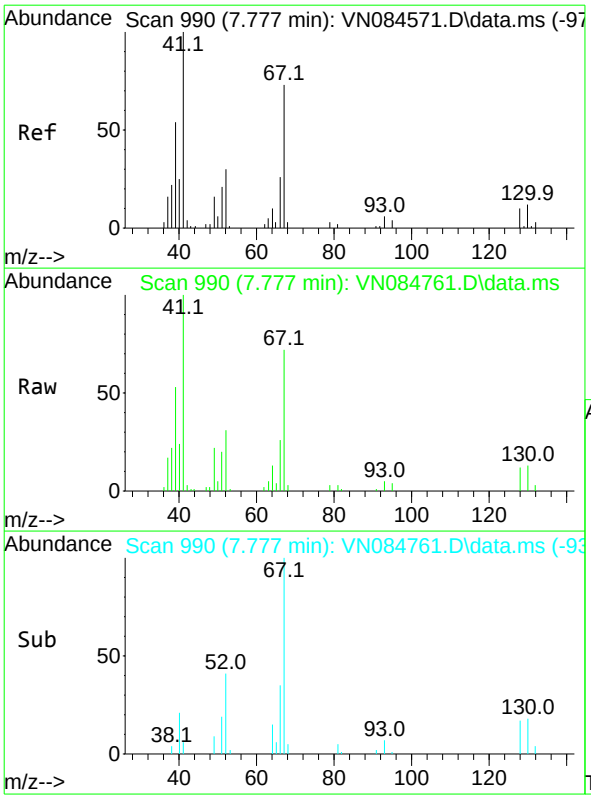


#40
Benzene
Concen: 45.489 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 78 Resp: 394197

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

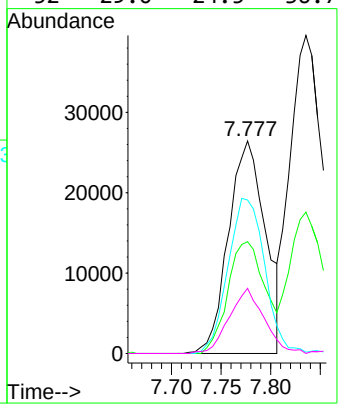




#41
Methacrylonitrile
Concen: 51.967 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 41 Resp: 68417

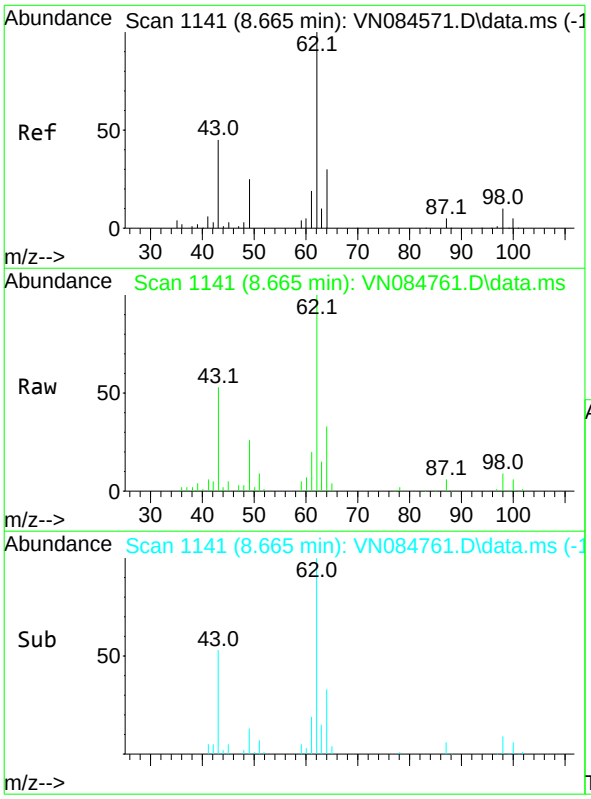
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	72.7	56.1	84.1
52	29.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

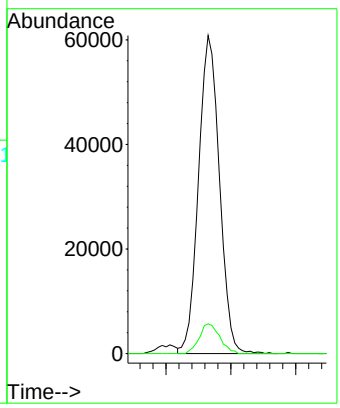
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

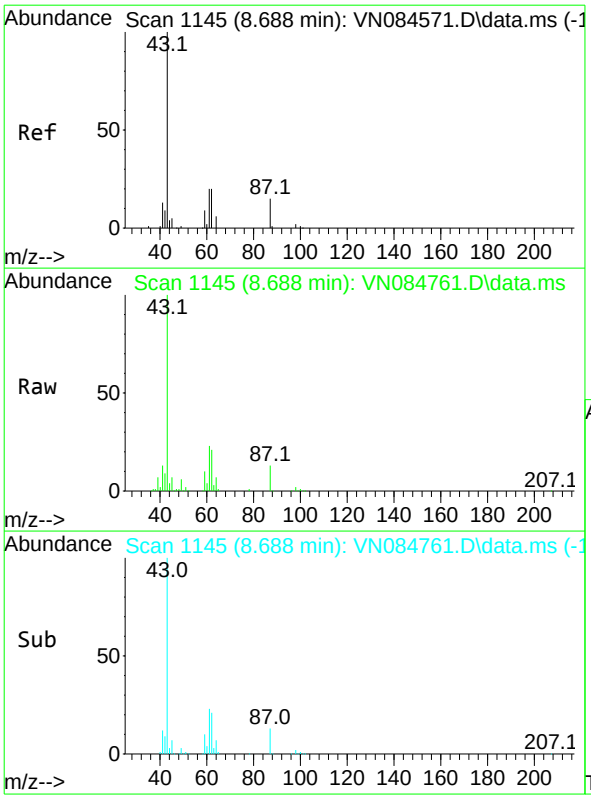


#42
1,2-Dichloroethane
Concen: 48.633 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 62 Resp: 136487

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

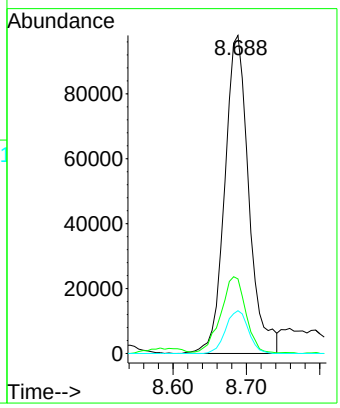
Tgt Ion: 43 Resp: 224271

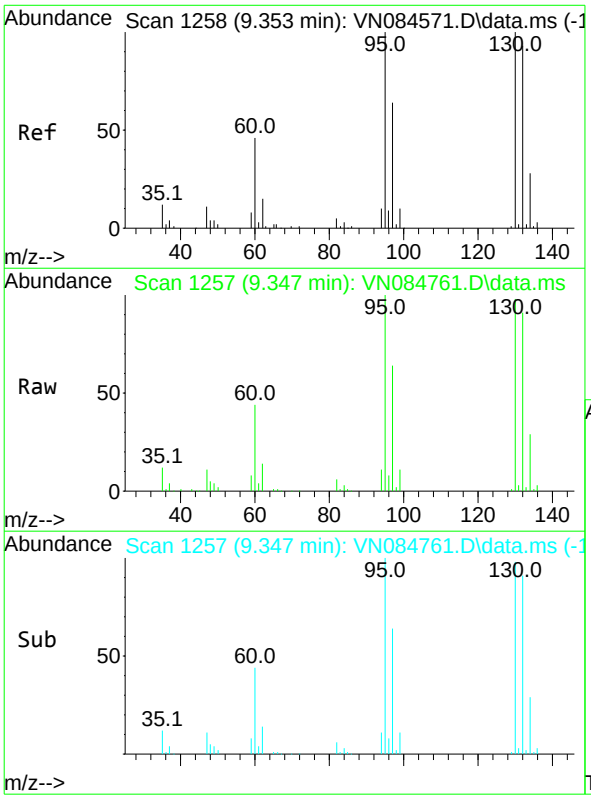
Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.6	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

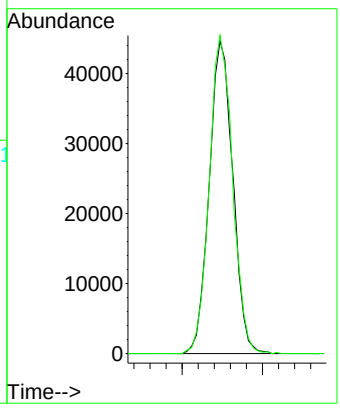


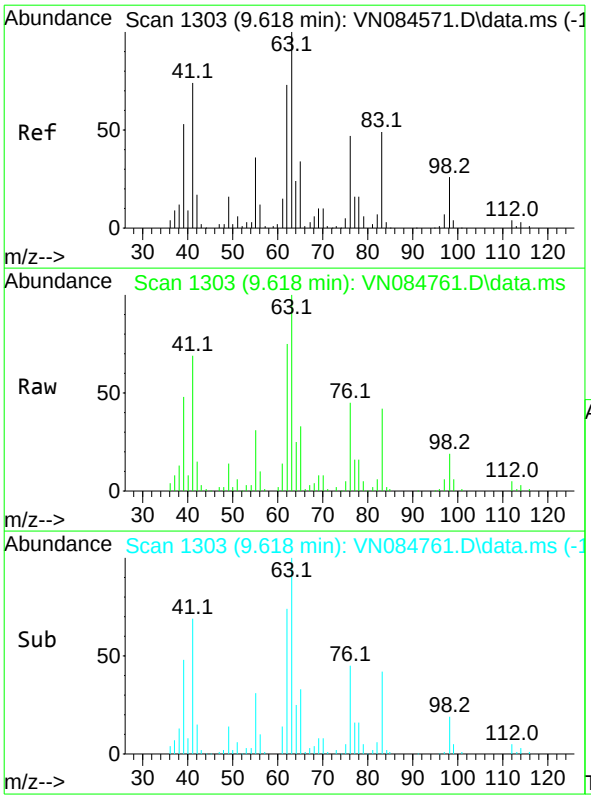


#44
Trichloroethene
Concen: 45.624 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:130 Resp: 91180

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0

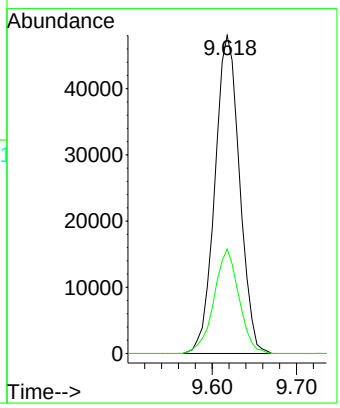




#45
1,2-Dichloropropane
Concen: 48.010 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 63 Resp: 97596

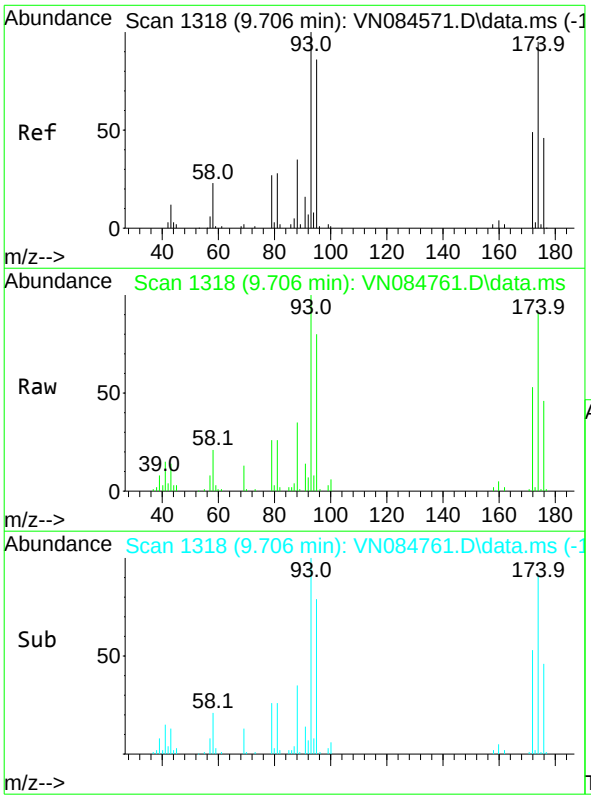
Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

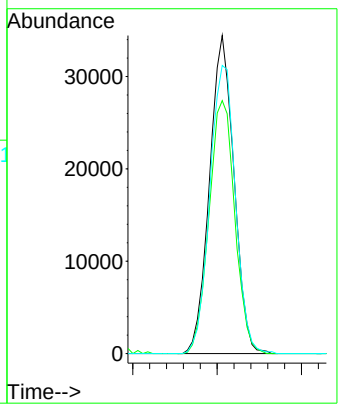
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

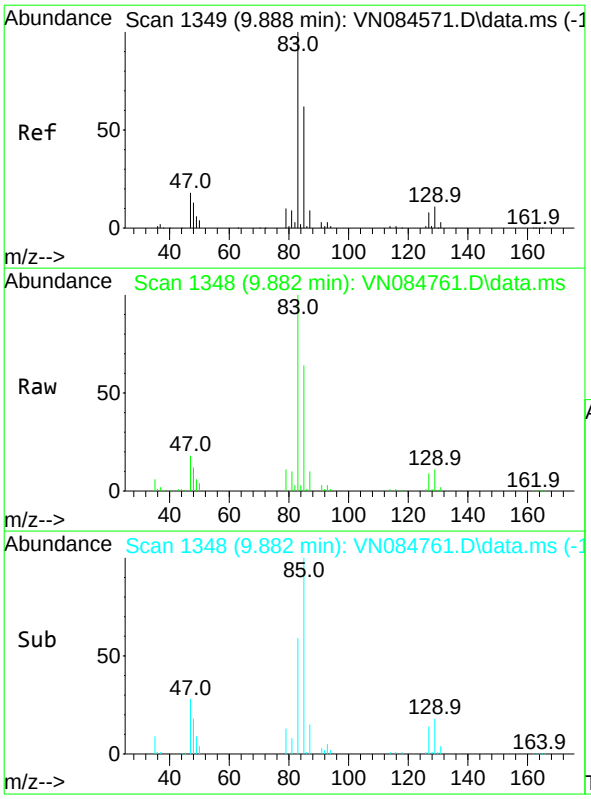


#46
Dibromomethane
Concen: 48.372 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 93 Resp: 69386

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.4
174	94.8	71.8	107.8

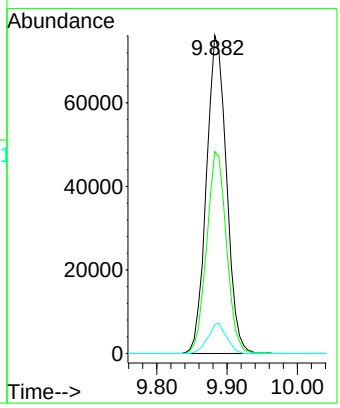




#47
Bromodichloromethane
Concen: 49.898 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 83 Resp: 150876

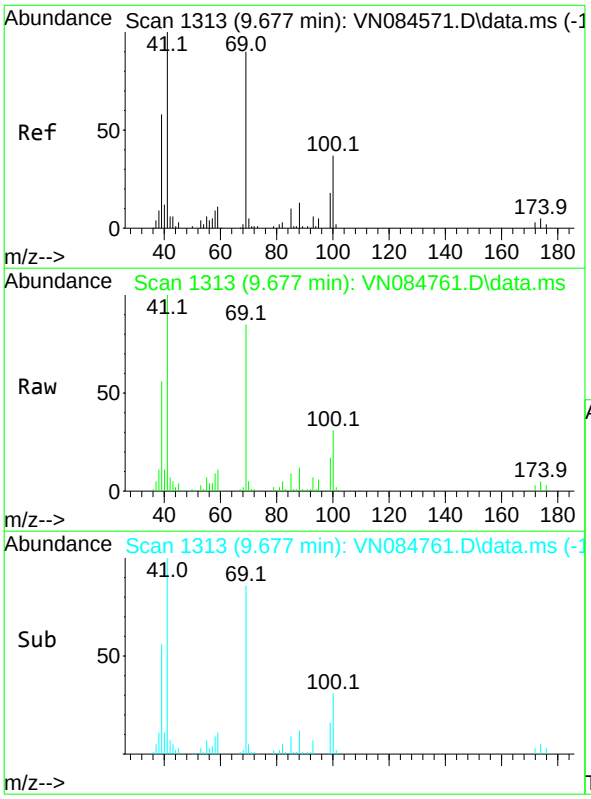
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	9.1	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

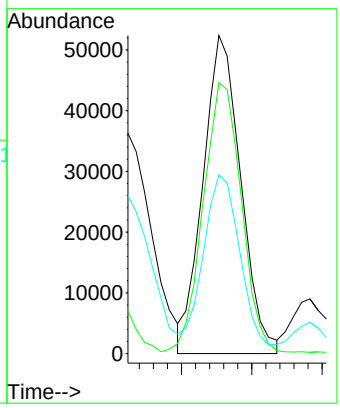
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

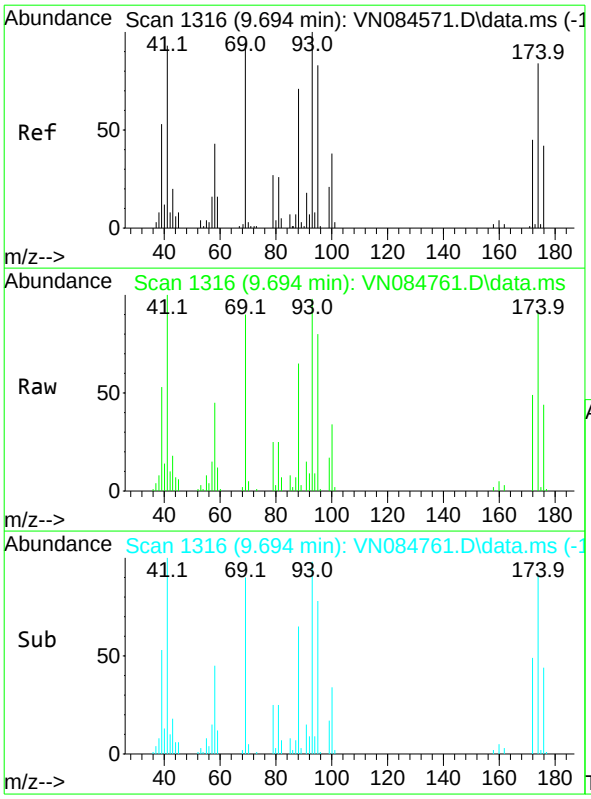


#48
Methyl methacrylate
Concen: 51.298 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 41 Resp: 97742

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.6	45.8	68.6

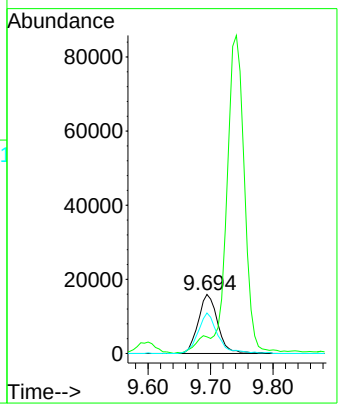




#49
1,4-Dioxane
Concen: 1024.951 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 88 Resp: 34607

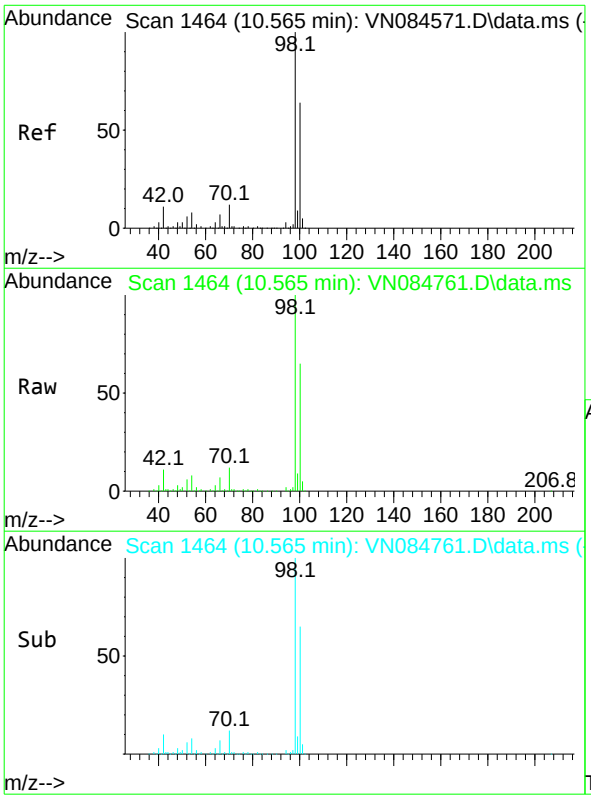
Ion	Ratio	Lower	Upper
88	100		
43	24.1	25.3	37.9#
58	69.0	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

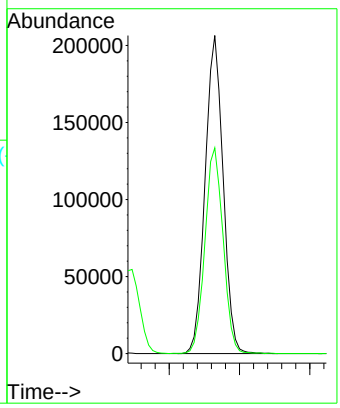
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

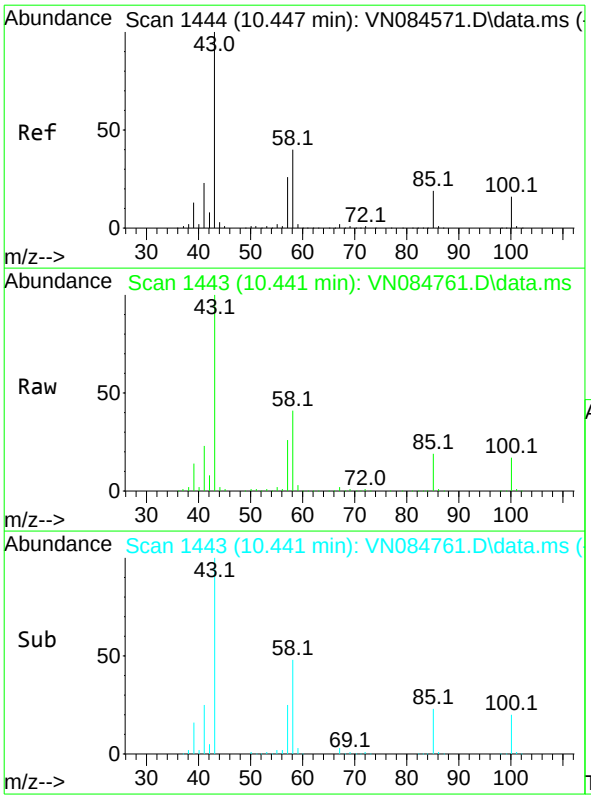


#50
Toluene-d8
Concen: 51.238 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 98 Resp: 367233

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

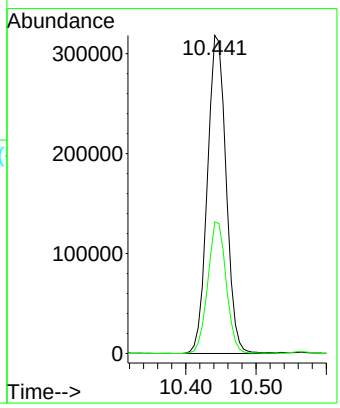




#51
4-Methyl-2-Pentanone
Concen: 251.554 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 587099

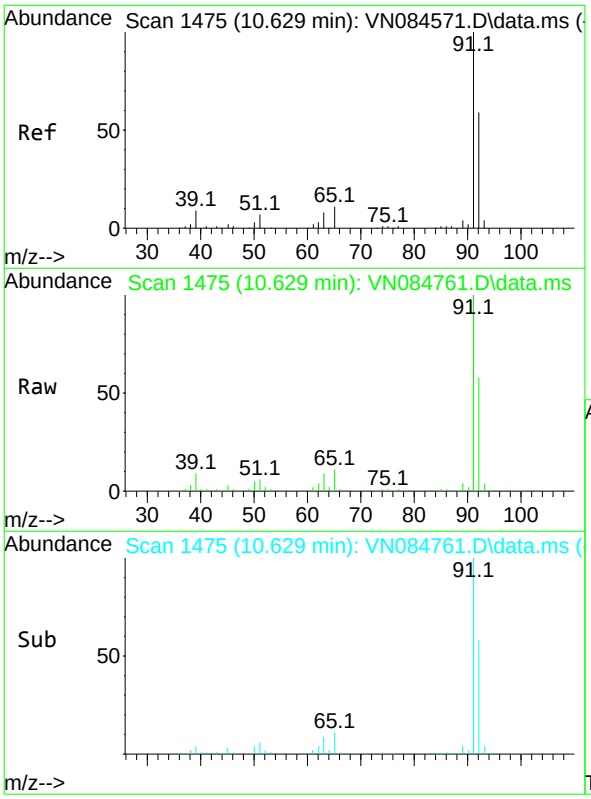
Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

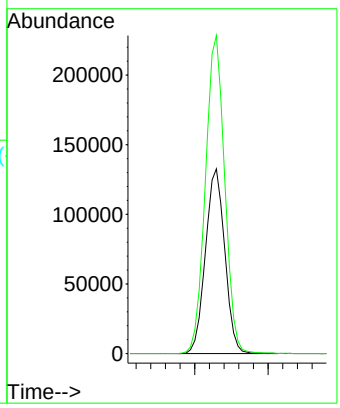
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

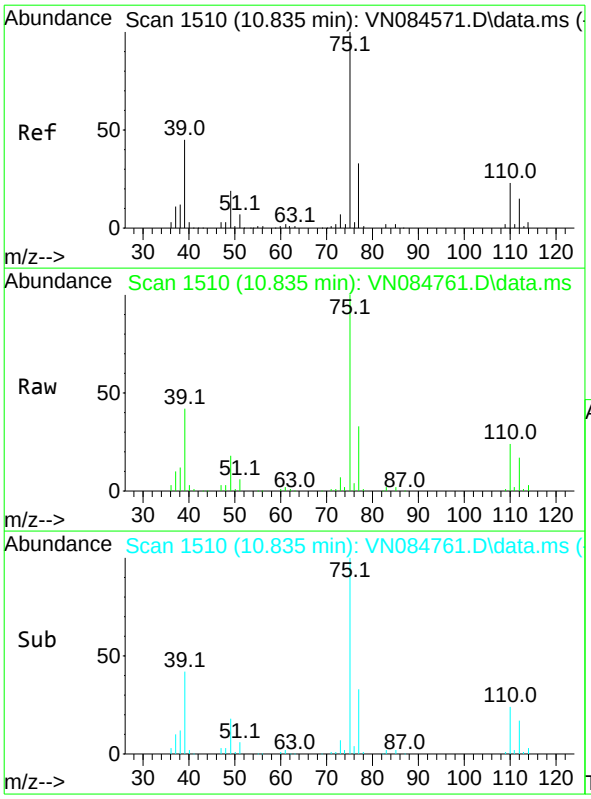


#52
Toluene
Concen: 47.933 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 92 Resp: 242933

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9

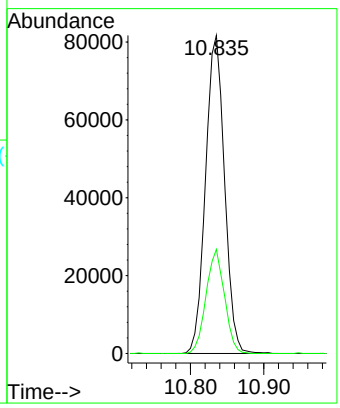




#53
t-1,3-Dichloropropene
Concen: 46.912 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 146826

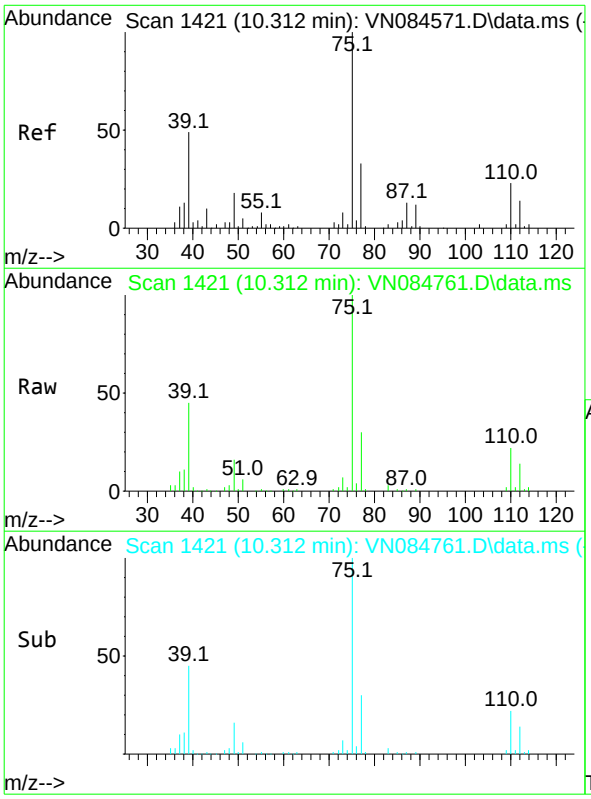
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

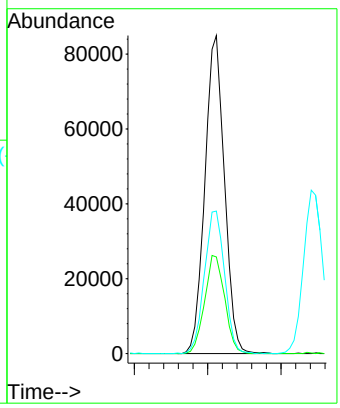
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

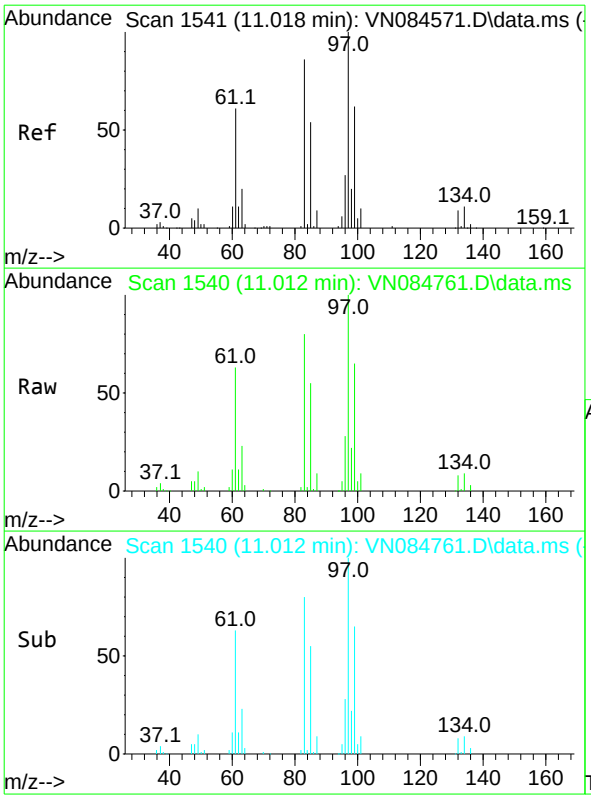


#54
cis-1,3-Dichloropropene
Concen: 47.515 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 157398

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	44.8	38.7	58.1

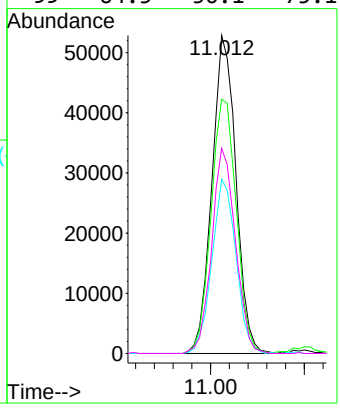




#55
1,1,2-Trichloroethane
Concen: 49.143 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 97 Resp: 93820

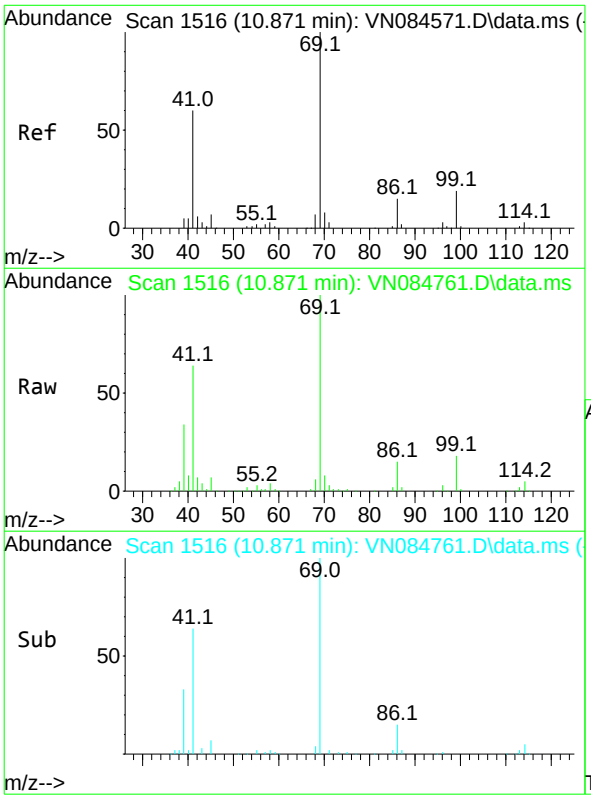
Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.0	106.4
85	54.7	41.7	62.5
99	64.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

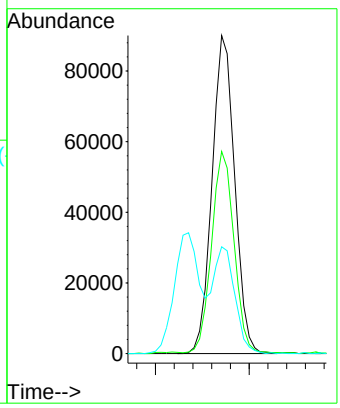
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

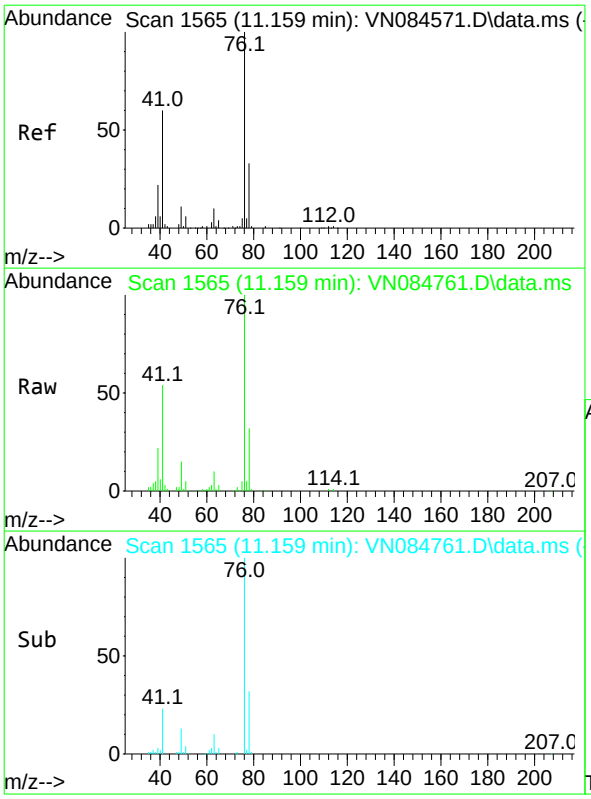


#56
Ethyl methacrylate
Concen: 54.724 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 69 Resp: 151119

Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.3	79.9
39	32.9	28.8	43.2

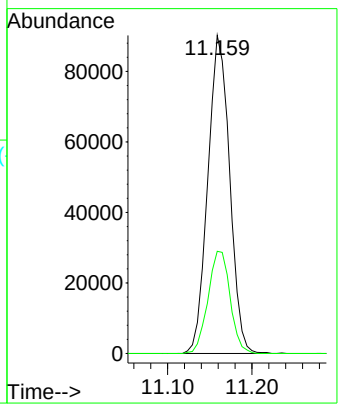




#57
1,3-Dichloropropane
Concen: 49.490 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 76 Resp: 162153

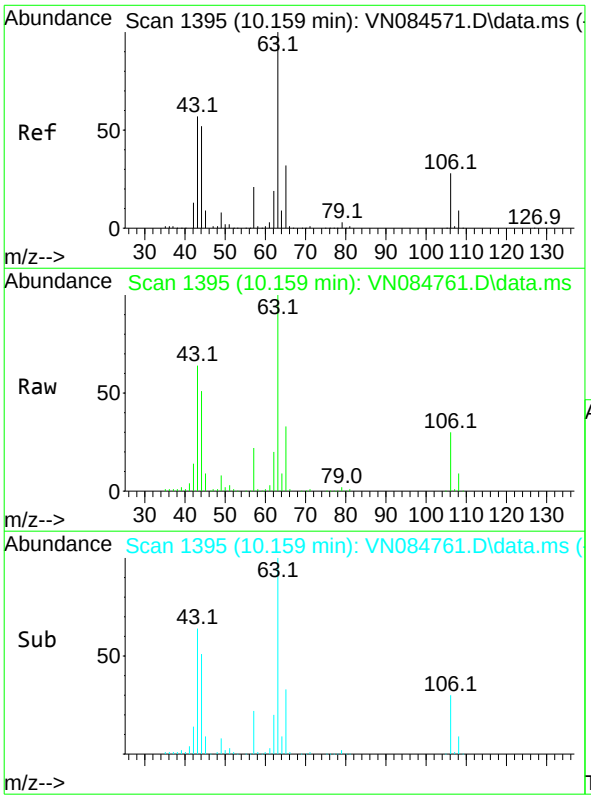
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

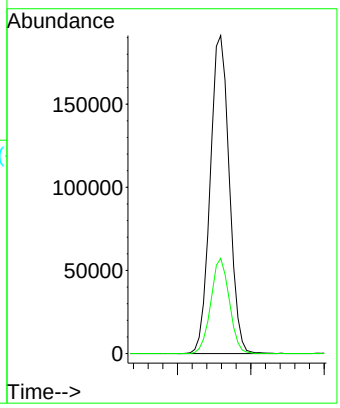
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

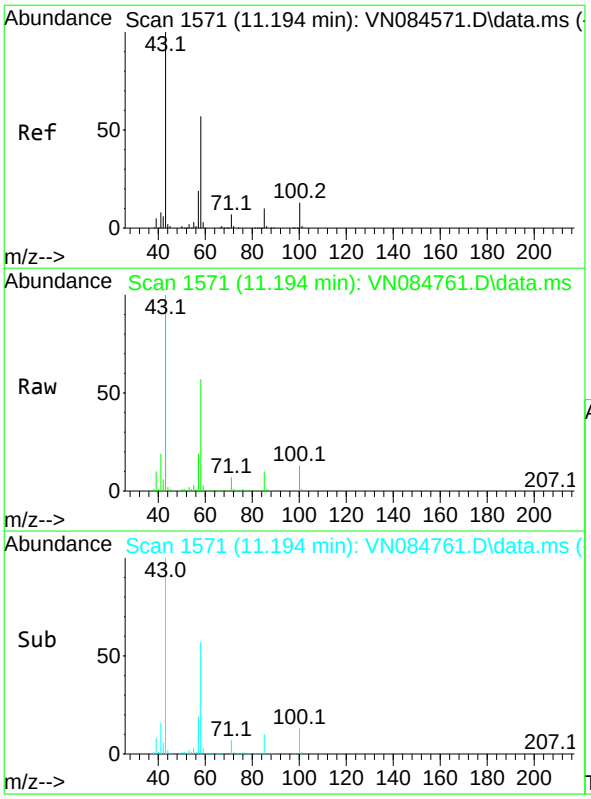


#58
2-Chloroethyl Vinyl ether
Concen: 267.152 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 63 Resp: 345207

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6

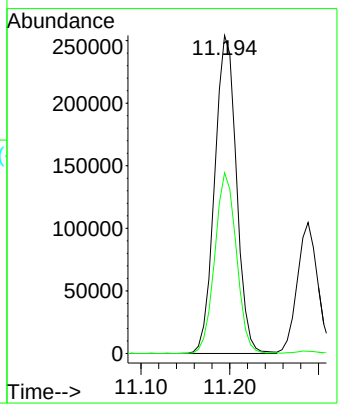




#59
2-Hexanone
Concen: 255.313 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 433726

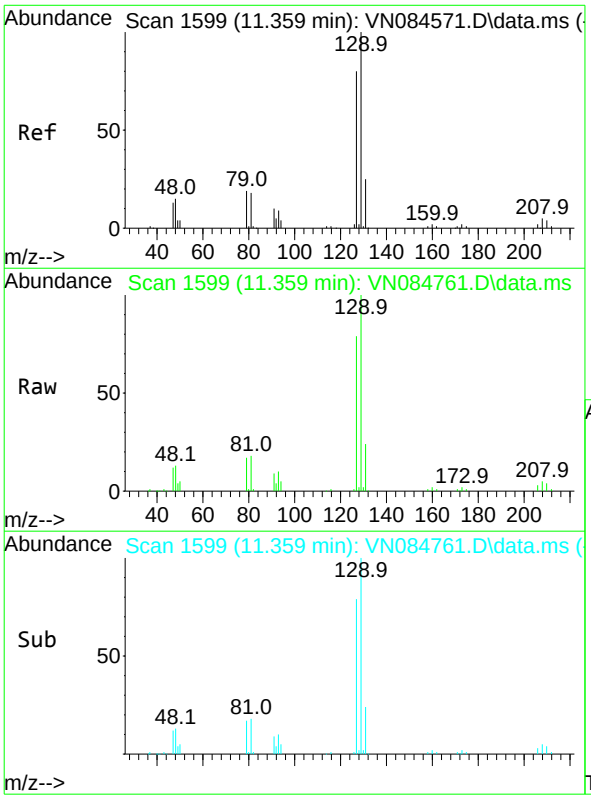
Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

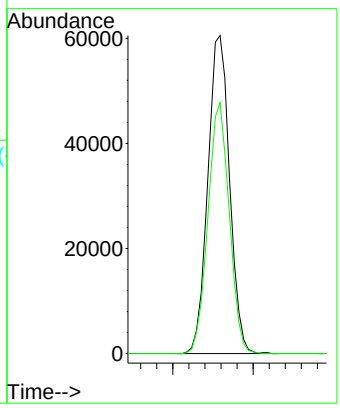
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

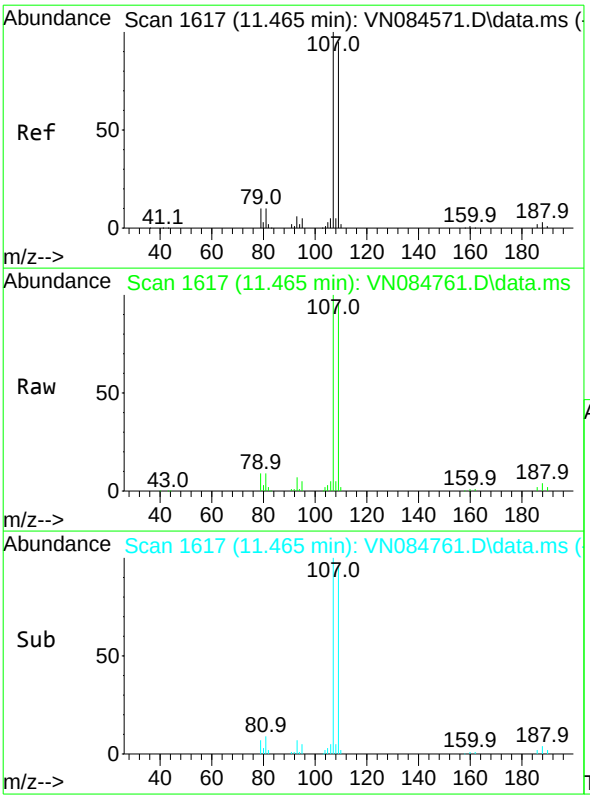


#60
Dibromochloromethane
Concen: 52.259 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:129 Resp: 113705

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9

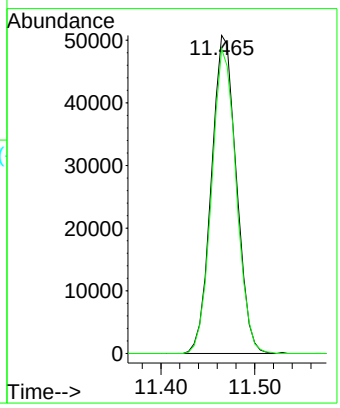




#61
1,2-Dibromoethane
Concen: 47.966 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:107 Resp: 93773

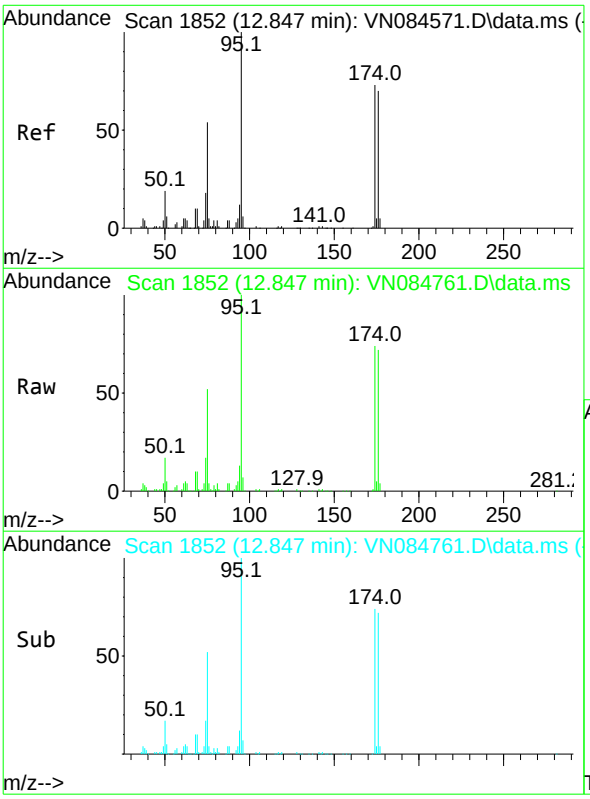
Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

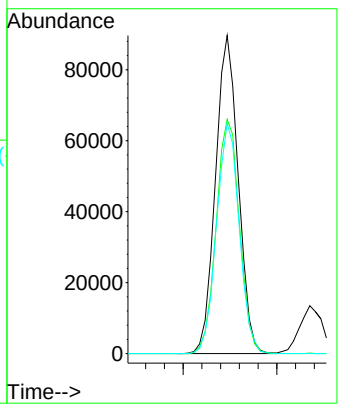
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

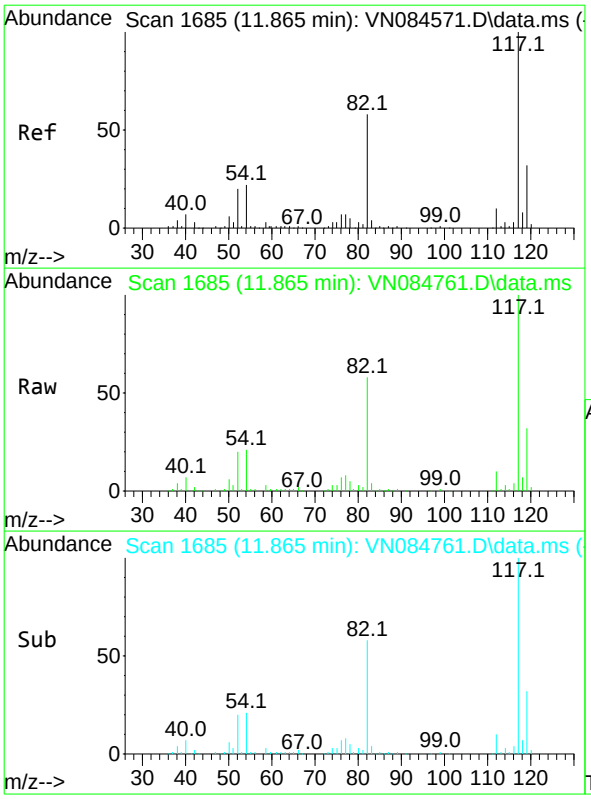


#62
4-Bromofluorobenzene
Concen: 56.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 95 Resp: 151201

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	72.1	0.0	140.0

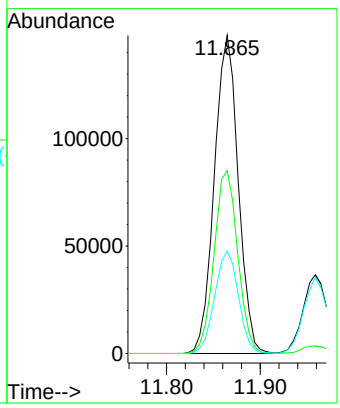




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:117 Resp: 262505

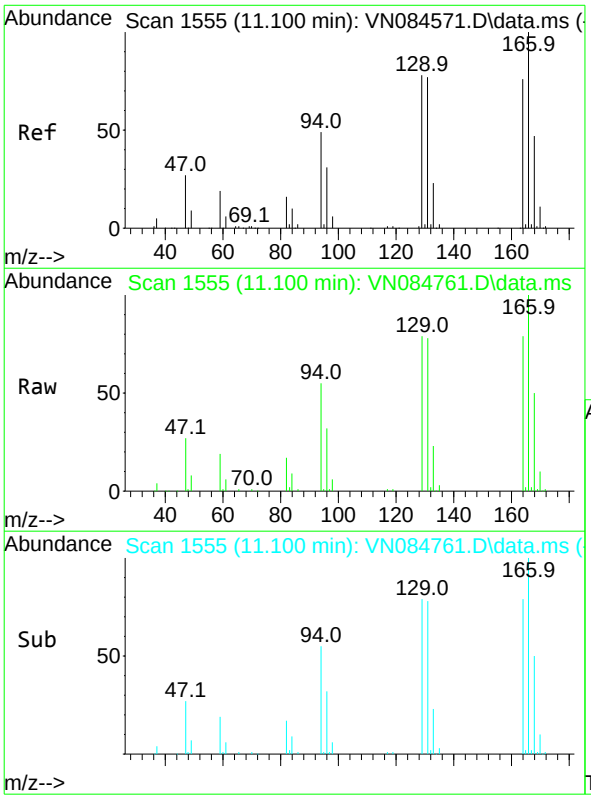
Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.2	70.8
119	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

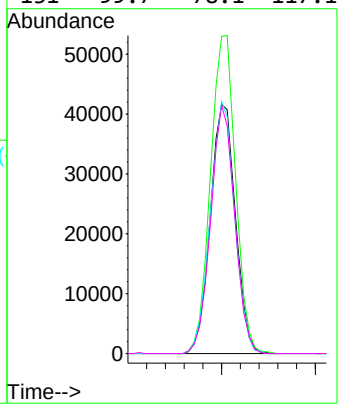
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

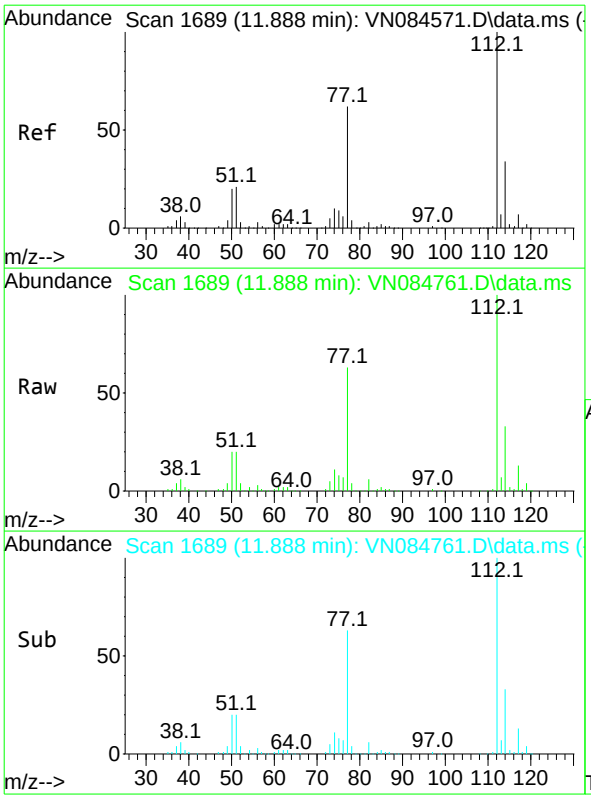


#64
Tetrachloroethene
Concen: 44.374 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:164 Resp: 77481

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	101.2	80.8	121.2
131	99.7	78.1	117.1

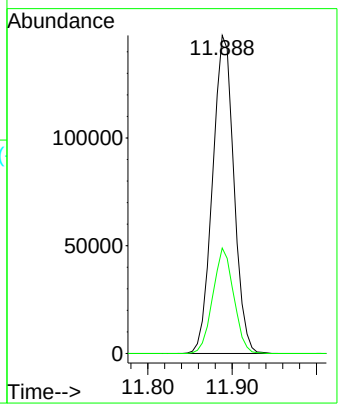




#65
Chlorobenzene
Concen: 44.169 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:112 Resp: 259392

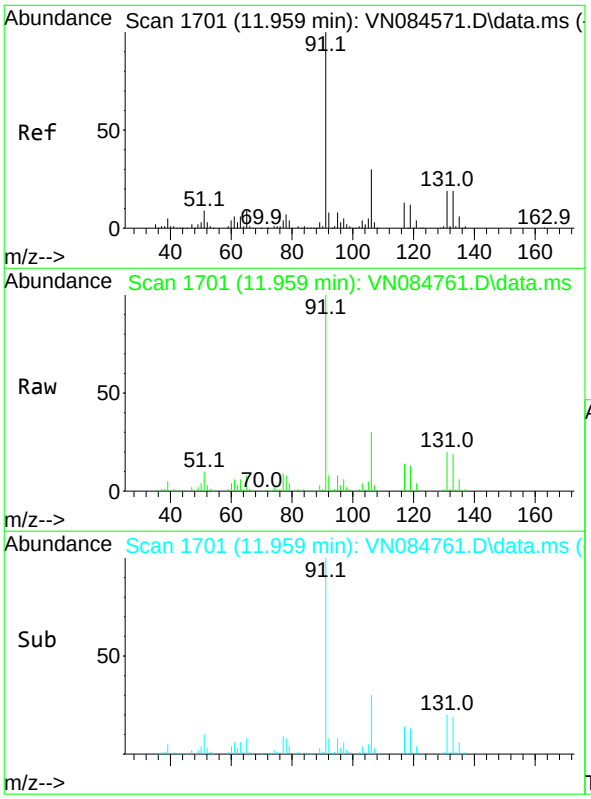
Ion	Ratio	Lower	Upper
112	100		
114	33.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

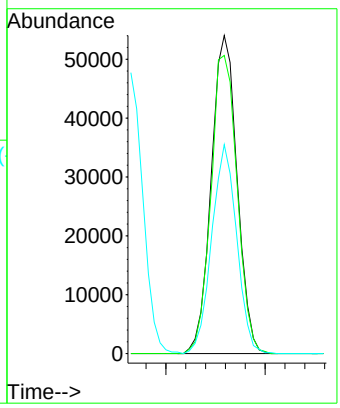
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

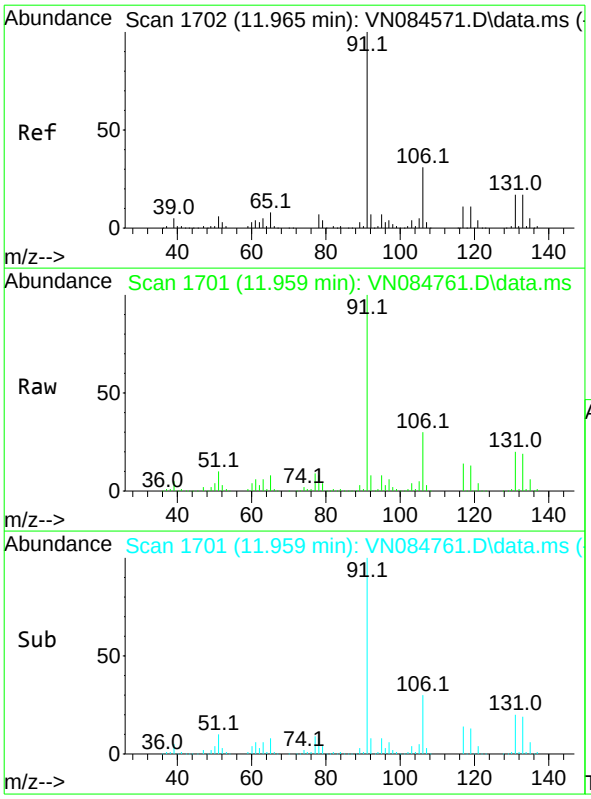


#66
1,1,1,2-Tetrachloroethane
Concen: 47.831 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:131 Resp: 97706

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.7
119	63.5	32.8	98.3

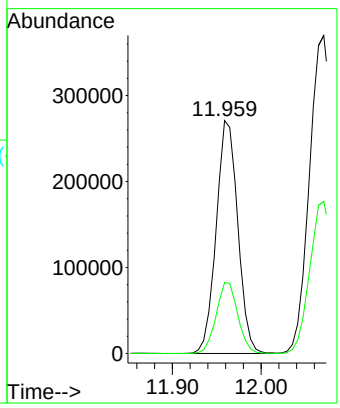




#67
Ethyl Benzene
Concen: 46.703 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 457820

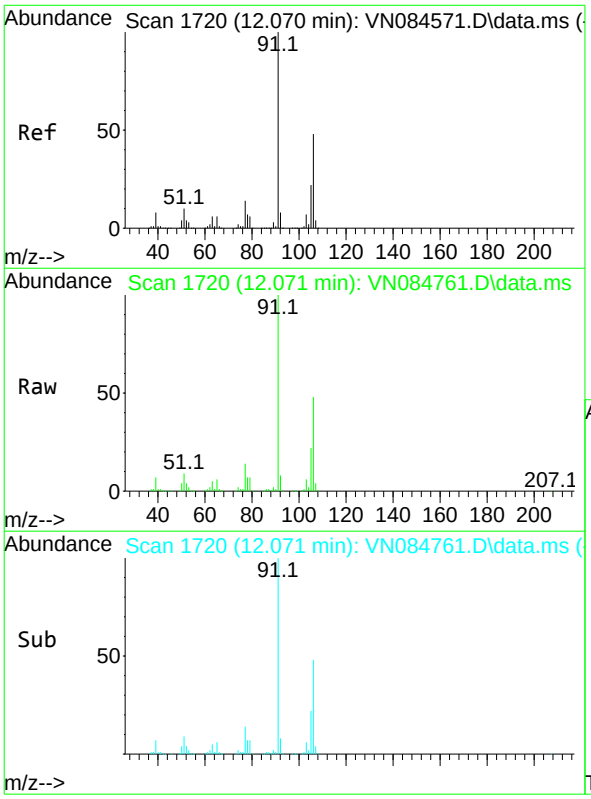
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

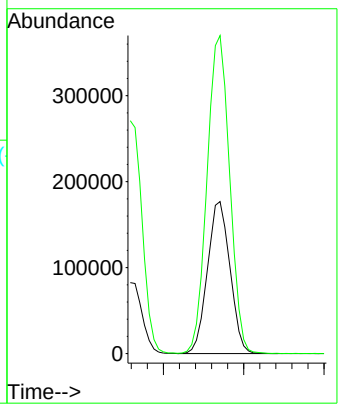
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

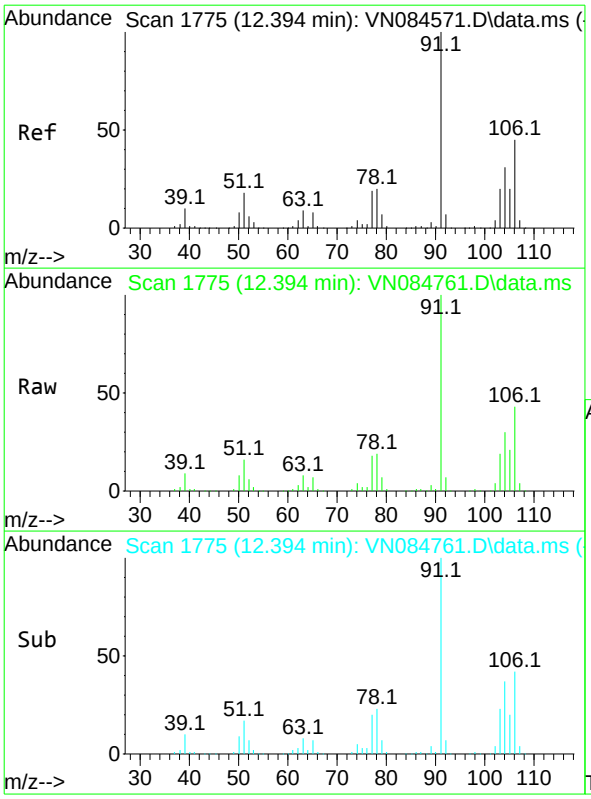


#68
m/p-Xylenes
Concen: 92.969 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:106 Resp: 345030

Ion	Ratio	Lower	Upper
106	100		
91	209.9	167.1	250.7

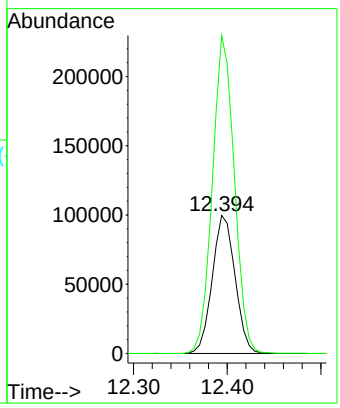




#69
o-Xylene
Concen: 48.500 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:106 Resp: 168380

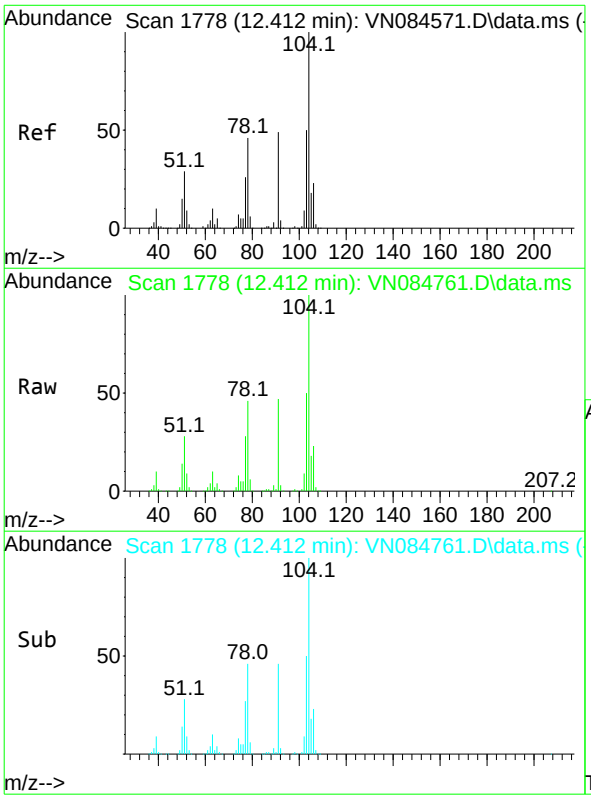
Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

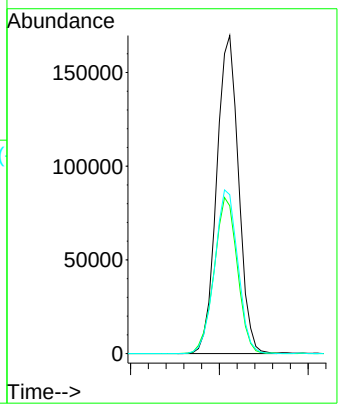
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

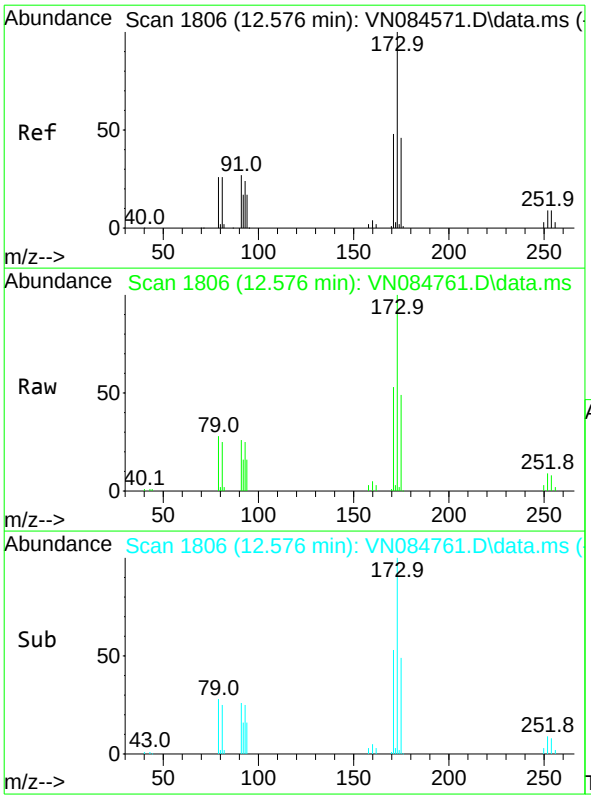


#70
Styrene
Concen: 48.041 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:104 Resp: 290953

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.7	64.1
103	54.6	43.6	65.4

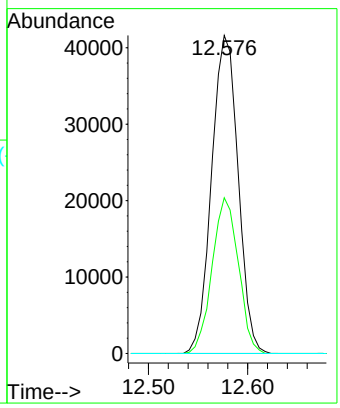




#71
Bromoform
Concen: 50.312 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:173 Resp: 77334

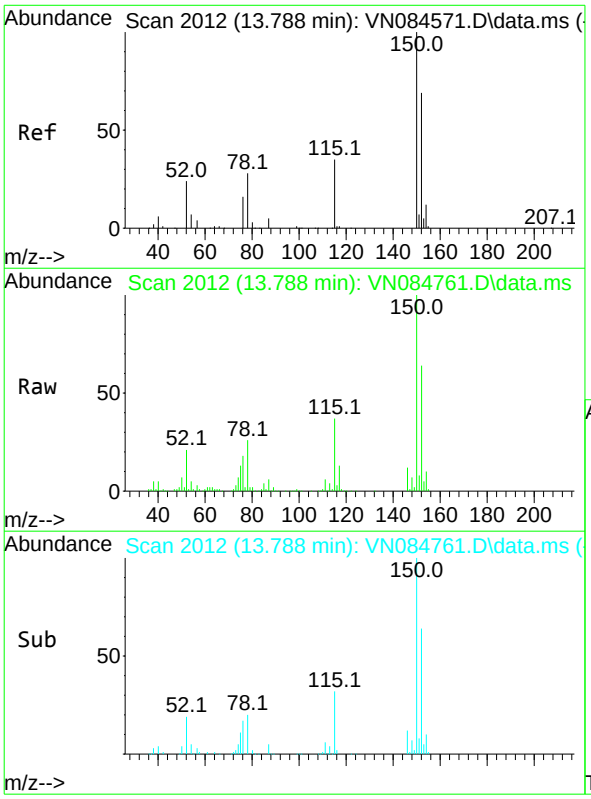
Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

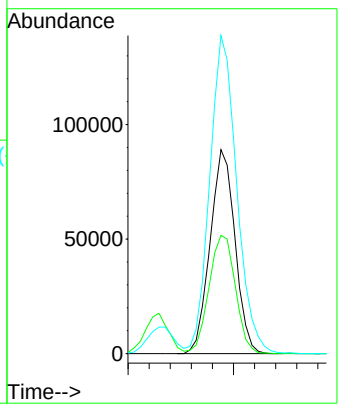
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

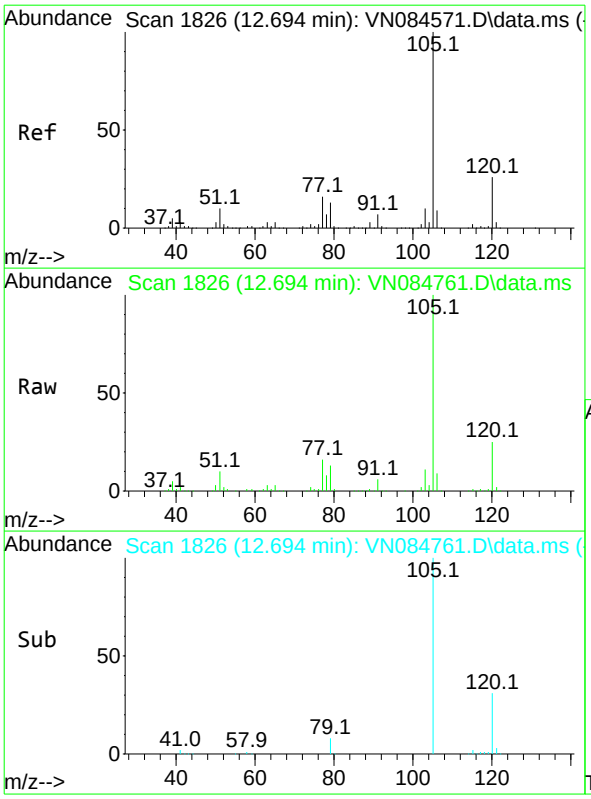


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:152 Resp: 146200

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	169.2	0.0	349.8

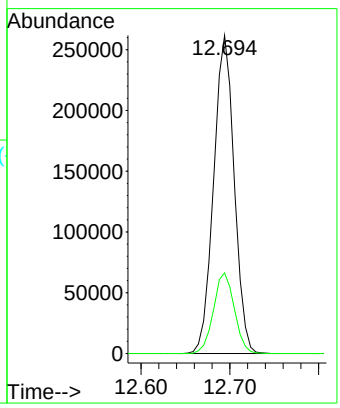




#73
Isopropylbenzene
Concen: 41.079 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 420864

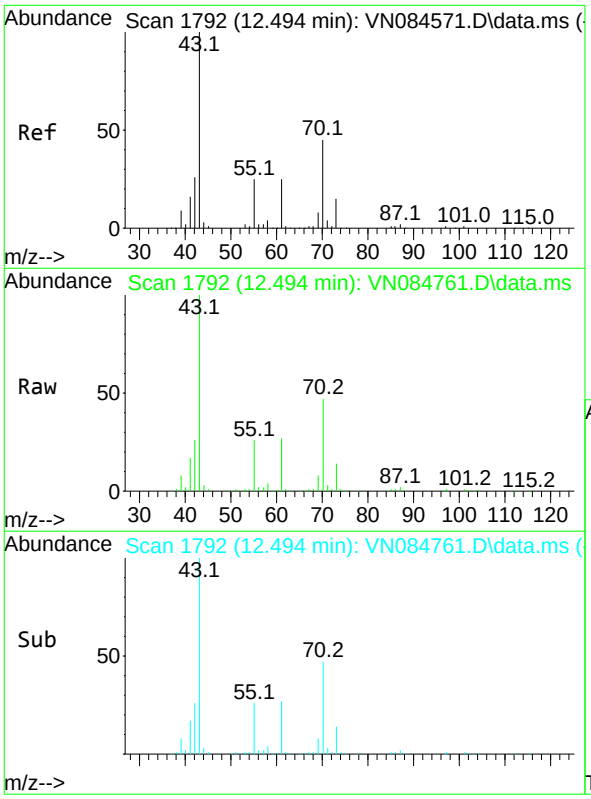
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

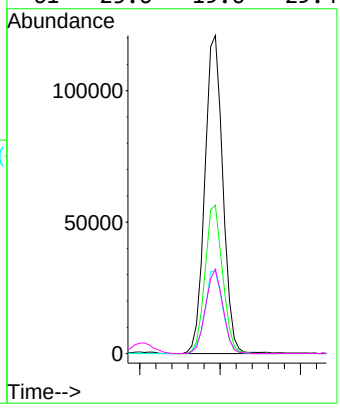
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

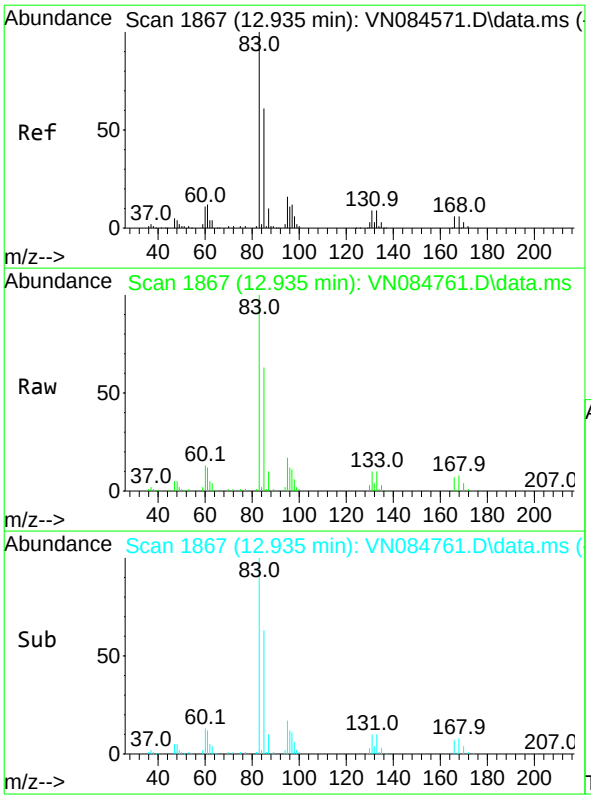


#74
N-amyl acetate
Concen: 43.258 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 188629

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	25.8	19.6	29.4
61	25.6	19.6	29.4

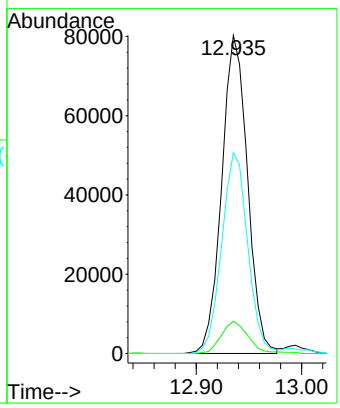




#75
1,1,2,2-Tetrachloroethane
Concen: 39.892 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 83 Resp: 136422

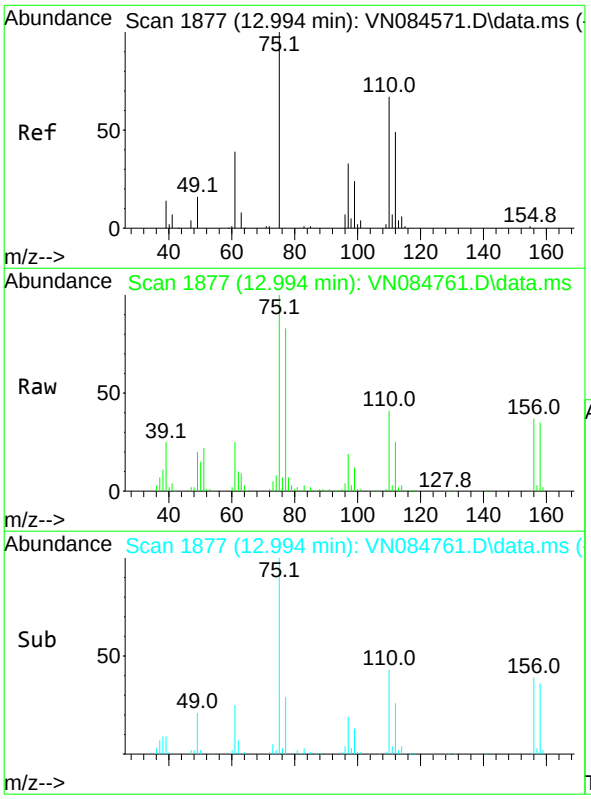
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	63.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

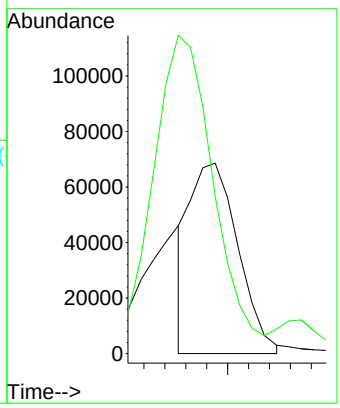
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

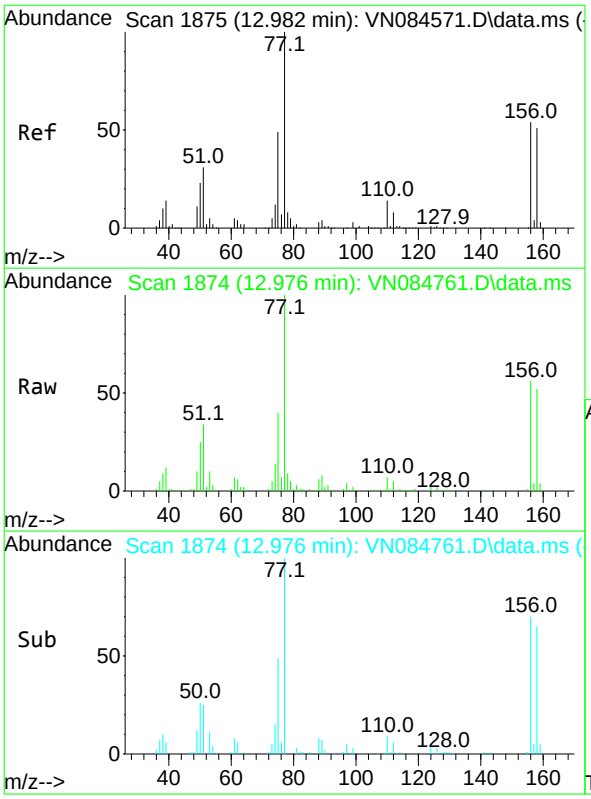


#76
1,2,3-Trichloropropane
Concen: 37.506 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 109611

Ion	Ratio	Lower	Upper
75	100		
77	211.6	96.9	290.7

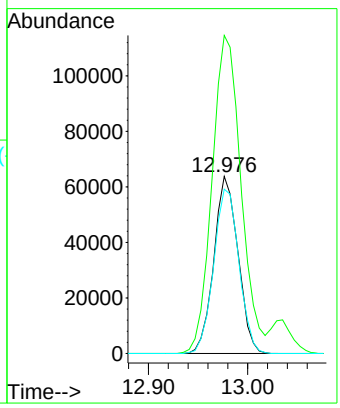




#77
Bromobenzene
Concen: 39.124 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:156 Resp: 107758

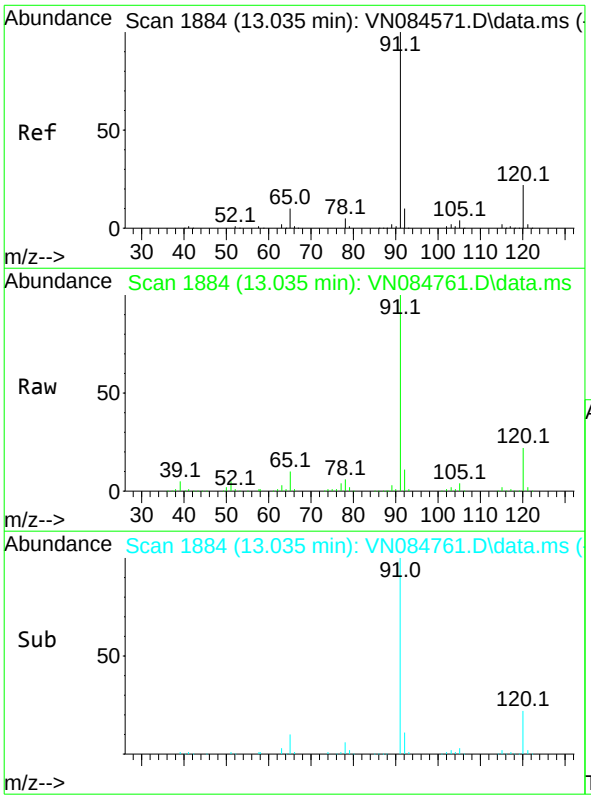
Ion	Ratio	Lower	Upper
156	100		
77	215.2	115.1	345.3
158	97.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

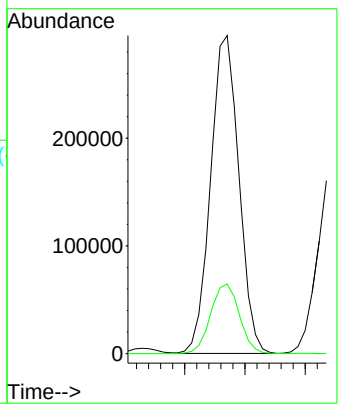
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

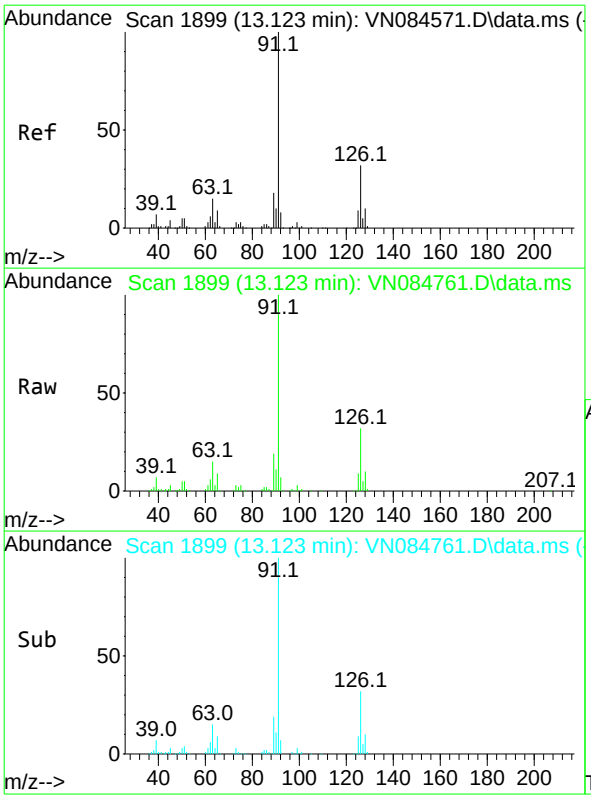


#78
n-propylbenzene
Concen: 40.088 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 481292

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4

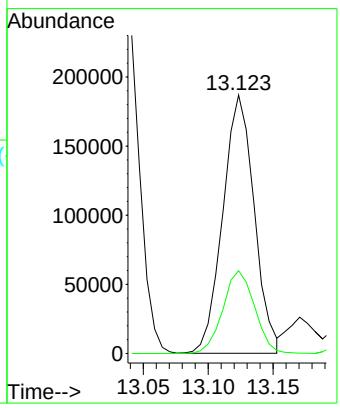




#79
2-Chlorotoluene
Concen: 40.116 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 314696

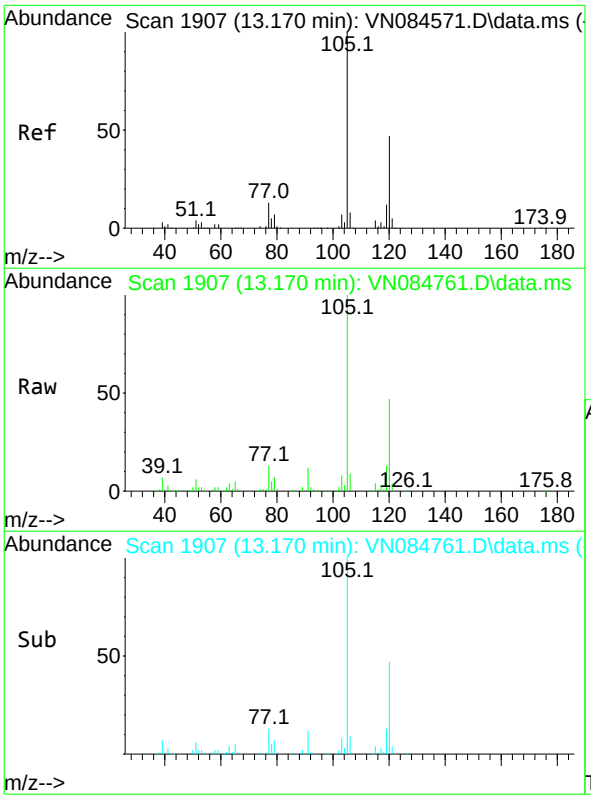
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

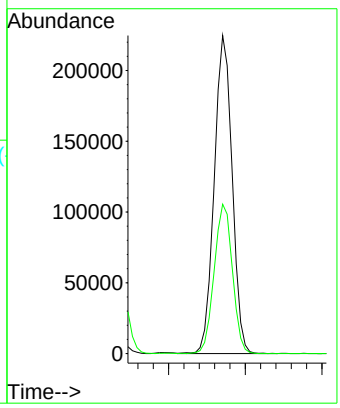
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

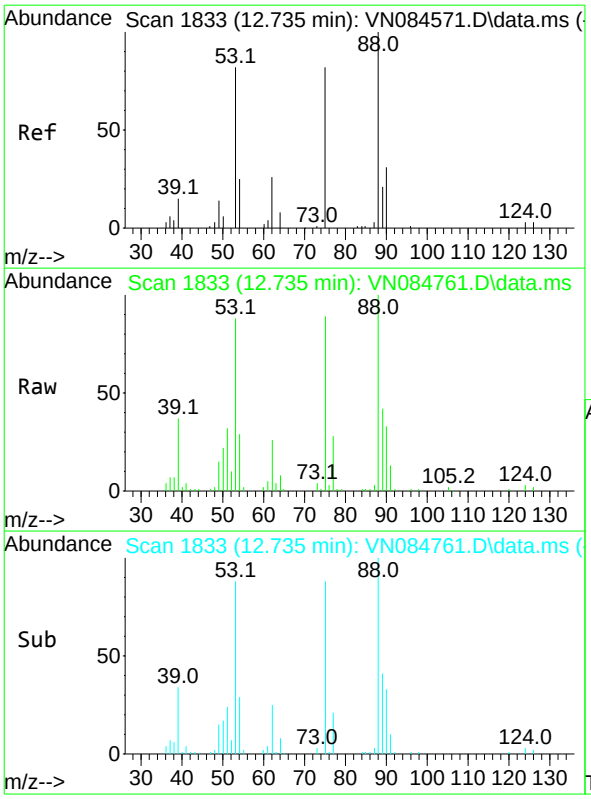


#80
1,3,5-Trimethylbenzene
Concen: 42.903 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 364315

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1

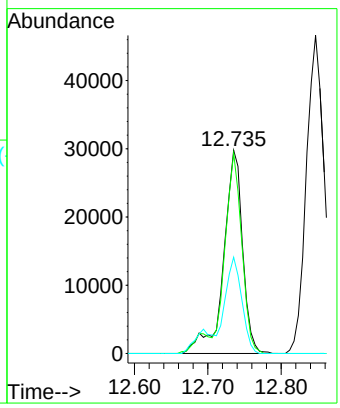




#81
trans-1,4-Dichloro-2-butene
Concen: 43.595 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 53703

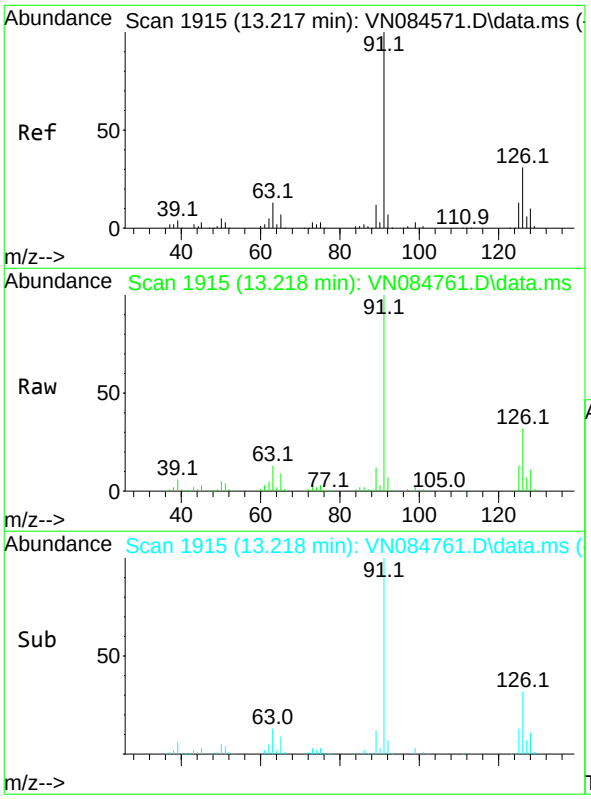
Ion	Ratio	Lower	Upper
75	100		
53	85.3	78.0	117.0
89	40.8	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

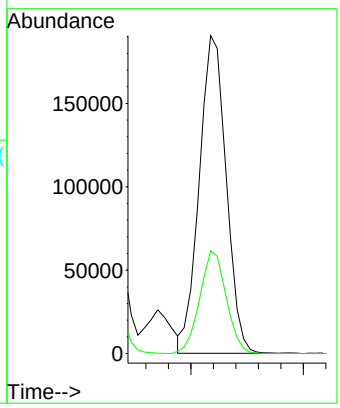
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

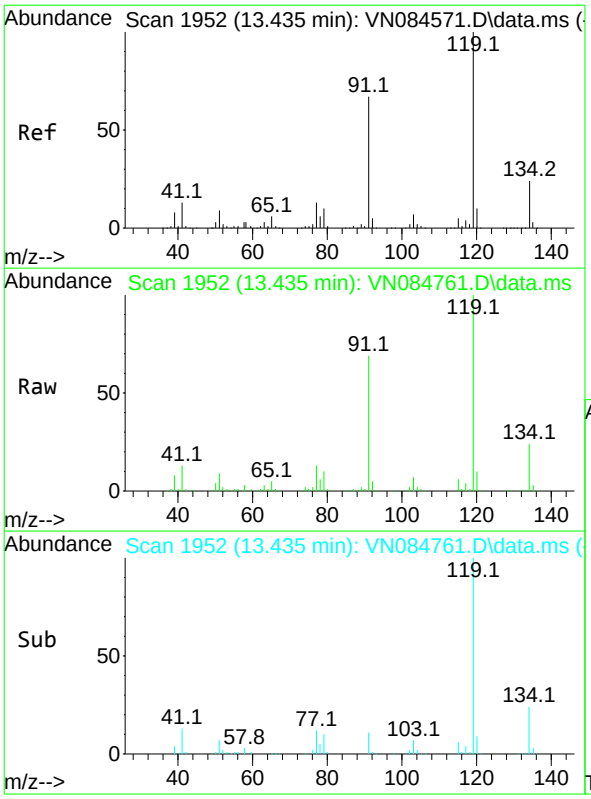


#82
4-Chlorotoluene
Concen: 38.381 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 316861

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1

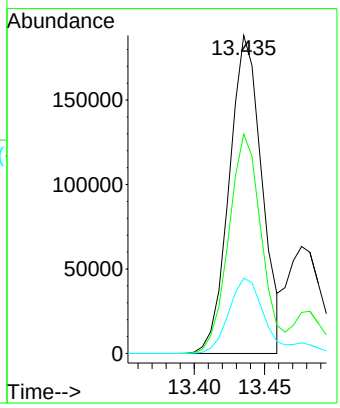




#83
tert-Butylbenzene
Concen: 43.255 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:119 Resp: 303984

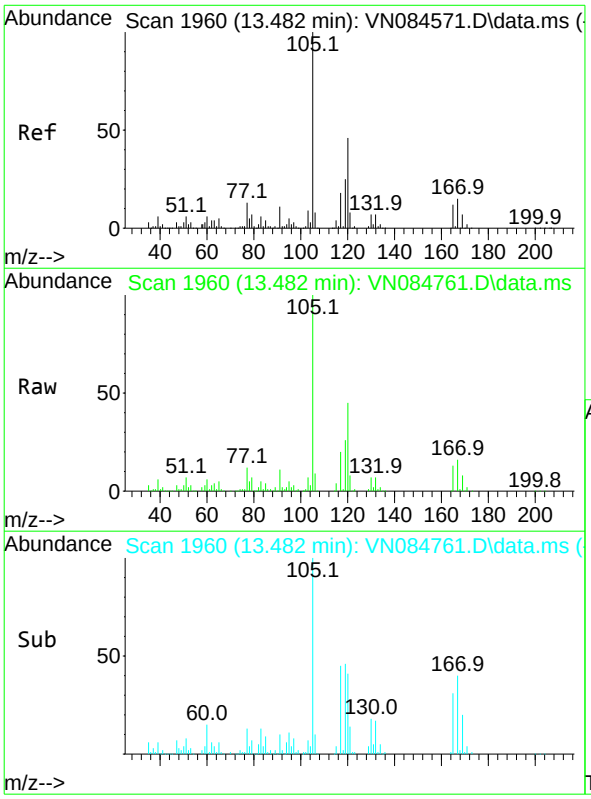
Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.1	102.3
134	27.5	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

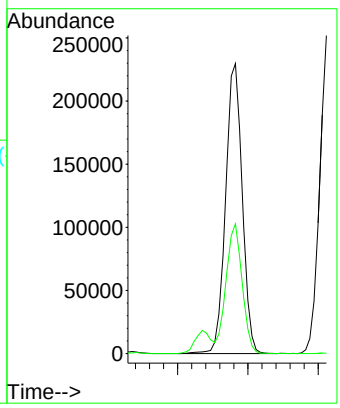
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

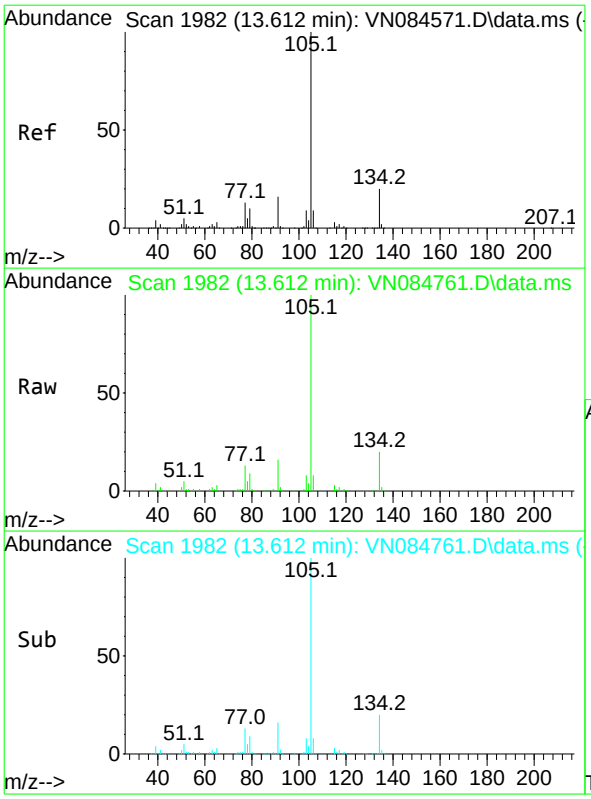


#84
1,2,4-Trimethylbenzene
Concen: 43.009 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 376938

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8

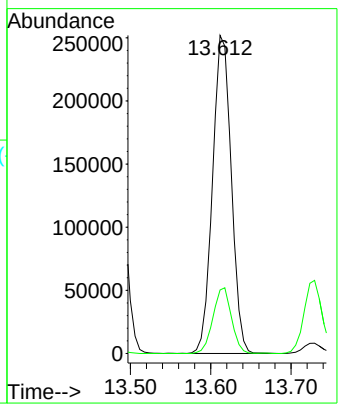




#85
sec-Butylbenzene
Concen: 41.154 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 408539

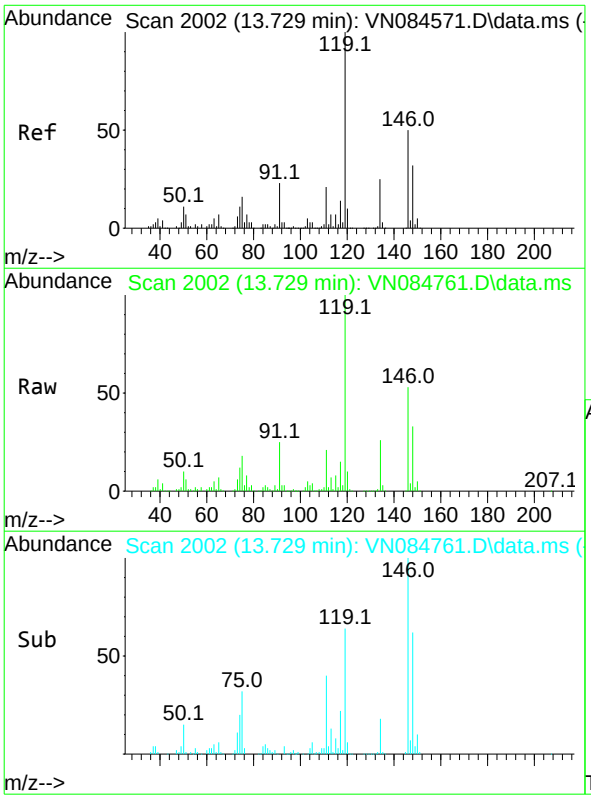
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

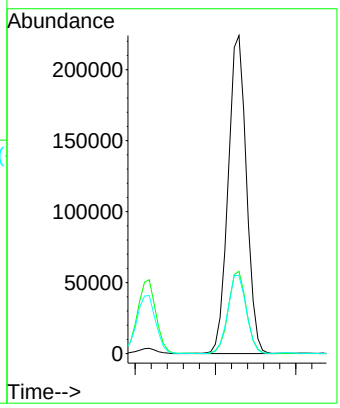
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

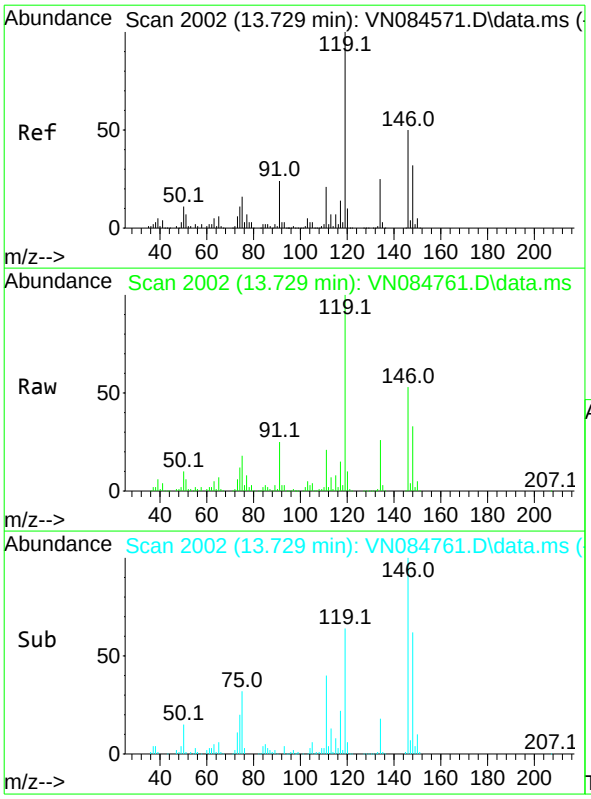


#86
p-Isopropyltoluene
Concen: 43.523 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:119 Resp: 354338

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.1	12.4	37.2

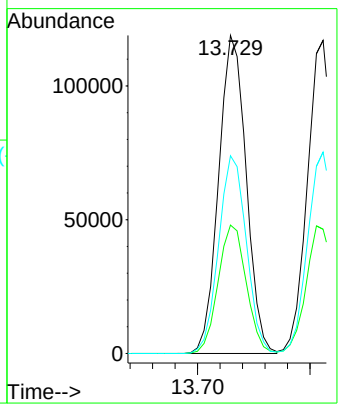




#87
1,3-Dichlorobenzene
Concen: 37.655 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:146 Resp: 202400

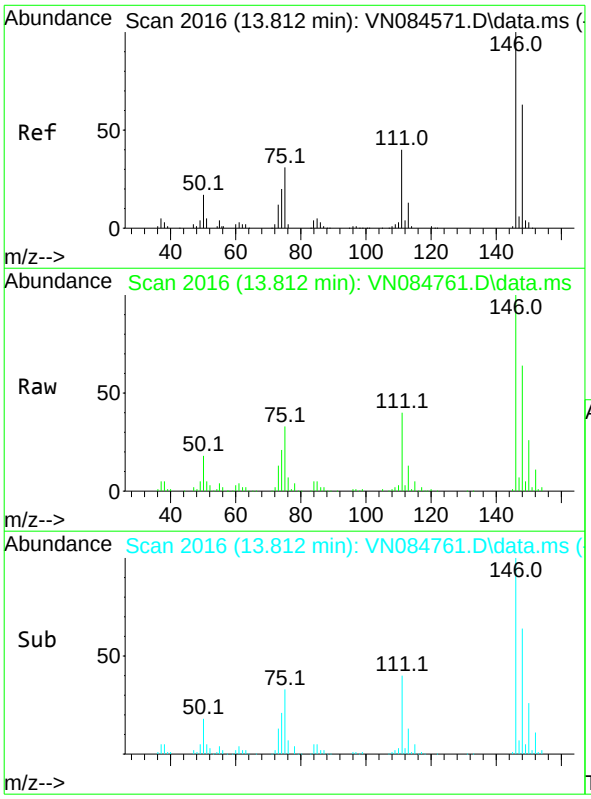
Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.8	65.3
148	62.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

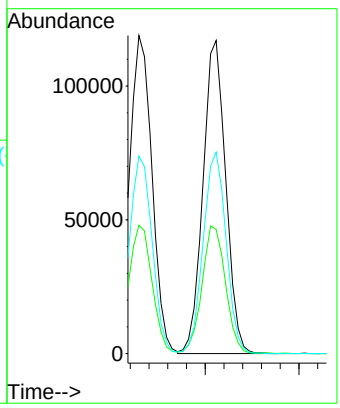
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

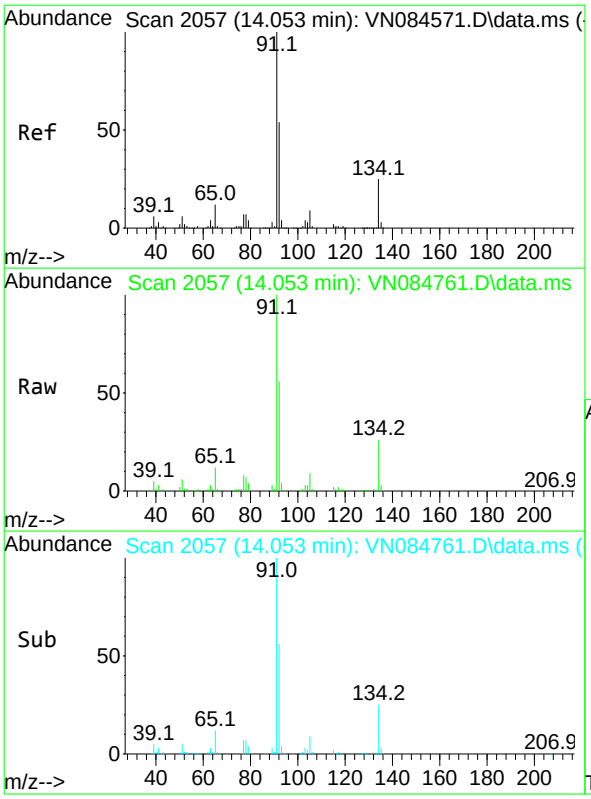


#88
1,4-Dichlorobenzene
Concen: 39.773 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:146 Resp: 197494

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.9	31.9	95.9

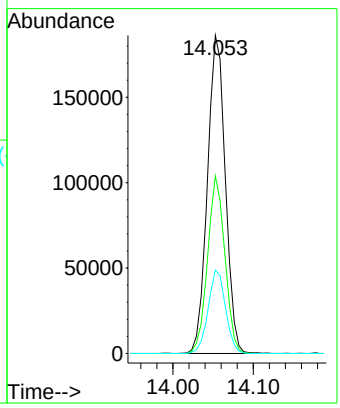




#89
n-Butylbenzene
Concen: 37.890 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 288557

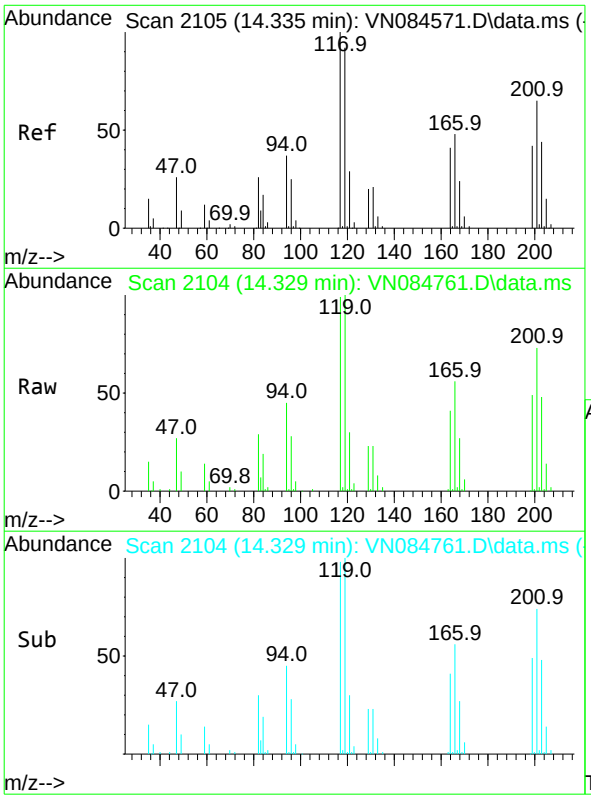
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	25.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

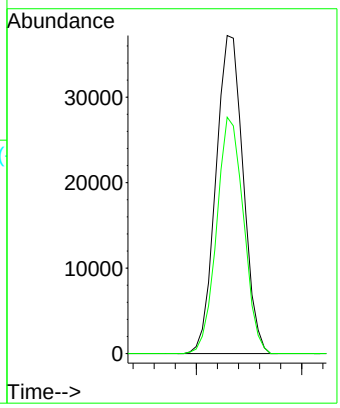
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

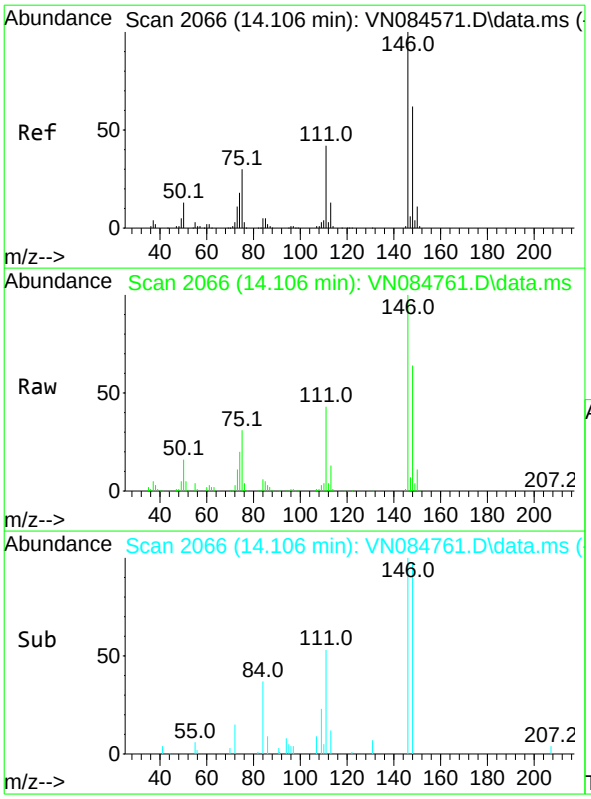


#90
Hexachloroethane
Concen: 36.906 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:117 Resp: 67008

Ion	Ratio	Lower	Upper
117	100		
201	73.1	34.4	103.2

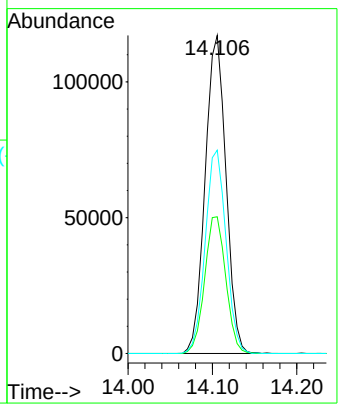




#91
1,2-Dichlorobenzene
Concen: 38.875 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:146 Resp: 200797

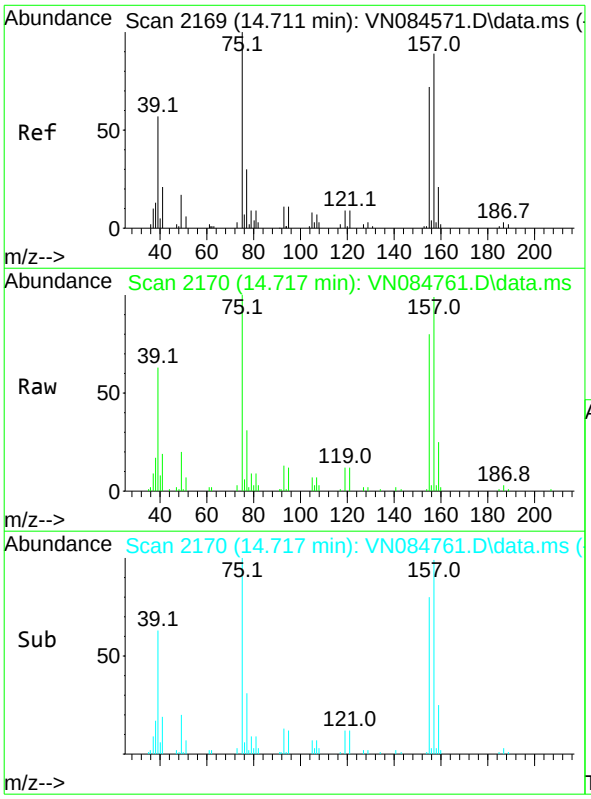
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

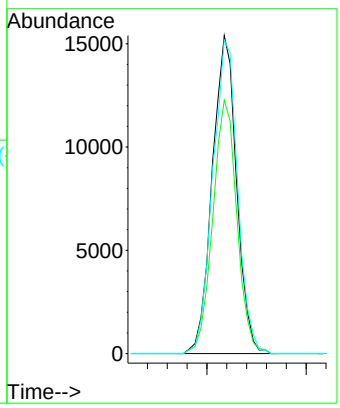
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

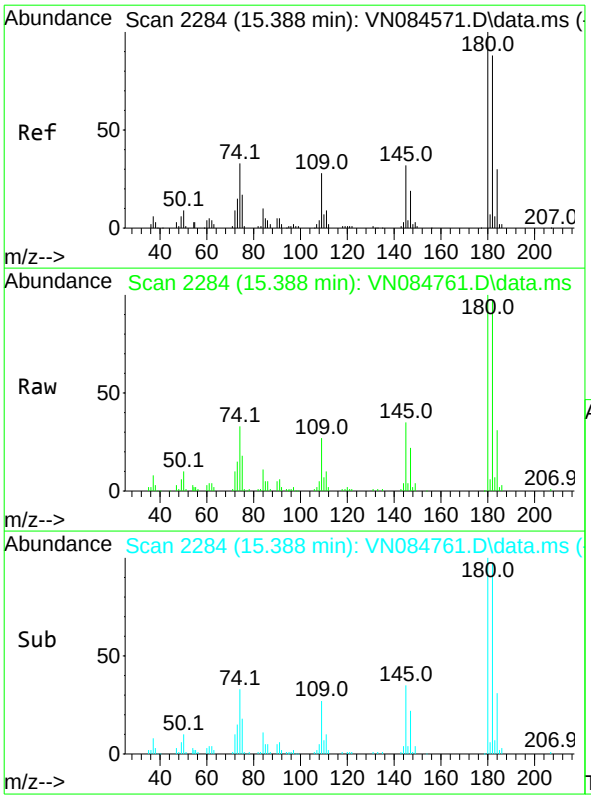


#92
1,2-Dibromo-3-Chloropropane
Concen: 37.744 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 26149

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	100.6	49.6	149.0

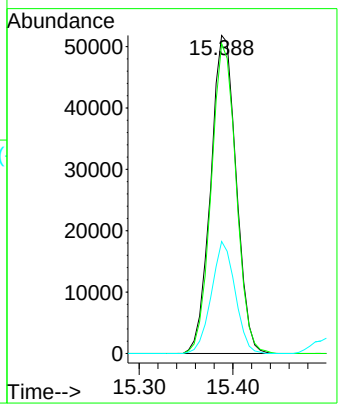




#93
1,2,4-Trichlorobenzene
Concen: 34.628 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:180 Resp: 97897

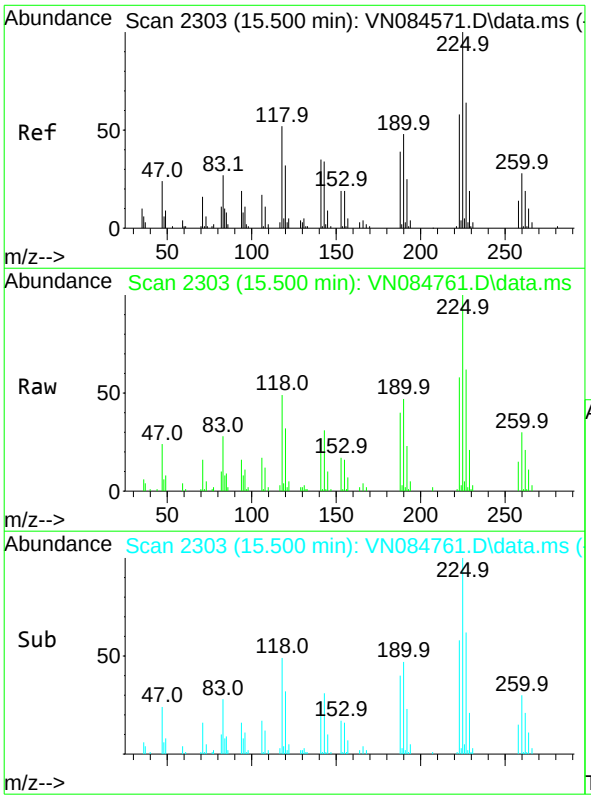
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	32.8	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

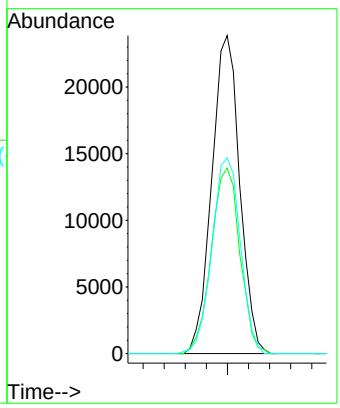
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

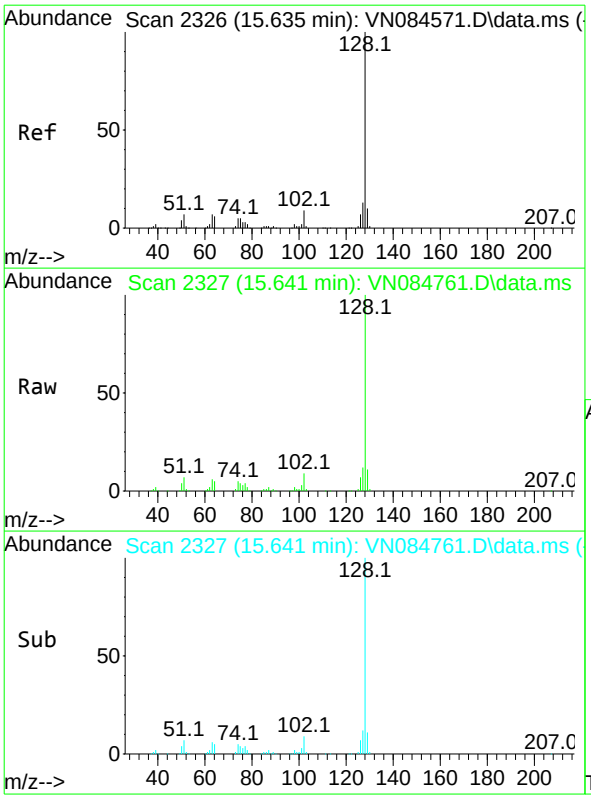


#94
Hexachlorobutadiene
Concen: 35.343 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:225 Resp: 43879

Ion	Ratio	Lower	Upper
225	100		
223	59.9	32.4	97.2
227	62.5	32.4	97.0

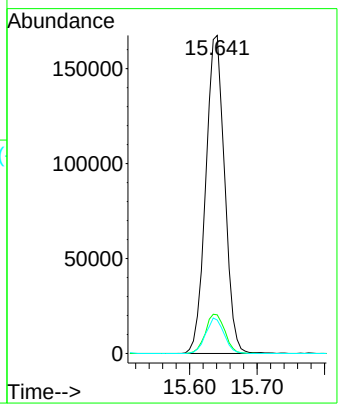




#95
Naphthalene
Concen: 38.303 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:128 Resp: 324128

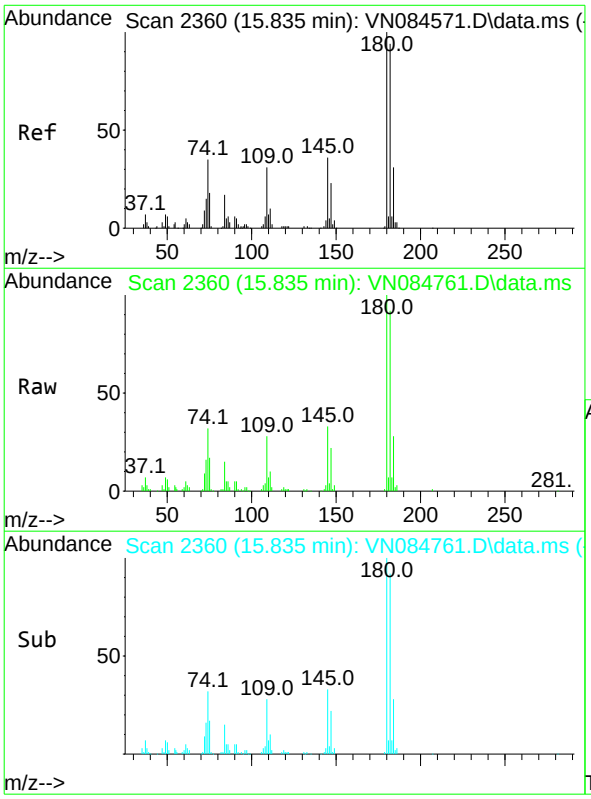
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

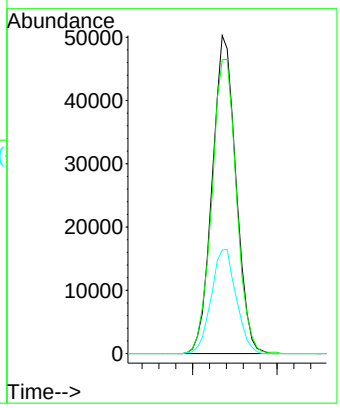
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 35.743 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:180 Resp: 98094

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.2	144.6
145	34.5	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	89	0.00
2	T	Dichlorodifluoromethane	0.575	0.479	16.7	77	0.00
3	P	Chloromethane	0.952	0.559	41.3#	74	0.00
4	C	Vinyl Chloride	0.618	0.550	11.0#	81	0.00
5	T	Bromomethane	0.328	0.301	8.2	91	-0.05
6	T	Chloroethane	0.488	0.360	26.2#	86	-0.05
7	T	Trichlorofluoromethane	1.018	0.897	11.9	84	-0.03
8	T	Diethyl Ether	0.359	0.354	1.4	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.497	13.6	80	-0.01
10	T	Methyl Iodide	0.769	0.772	-0.4	94	-0.02
11	T	Tert butyl alcohol	0.095	0.094	1.1	97	0.01
12	CM	1,1-Dichloroethene	0.569	0.503	11.6#	84	-0.02
13	T	Acrolein	0.095	0.102	-7.4	103	0.00
14	T	Allyl chloride	0.923	0.857	7.2	84	-0.01
15	T	Acrylonitrile	0.276	0.269	2.5	89	0.00
16	T	Acetone	0.238	0.210	11.8	92	0.00
17	T	Carbon Disulfide	1.753	1.332	24.0	74	-0.02
18	T	Methyl Acetate	1.172	0.708	39.6#	84	0.00
19	T	Methyl tert-butyl Ether	1.745	1.840	-5.4	94	0.00
20	T	Methylene Chloride	0.635	0.610	3.9	91	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.537	8.2	85	-0.01
22	T	Diisopropyl ether	1.835	1.878	-2.3	90	0.00
23	T	Vinyl Acetate	1.265	1.287	-1.7	89	0.00
24	P	1,1-Dichloroethane	1.102	1.057	4.1	89	0.00
25	T	2-Butanone	0.337	0.333	1.2	94	0.00
26	T	2,2-Dichloropropane	0.959	0.868	9.5	82	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.666	2.5	90	0.00
28	T	Bromochloromethane	0.439	0.515	-17.3	90	0.00
29	T	Tetrahydrofuran	0.224	0.217	3.1	87	0.00
30	C	Chloroform	1.121	1.122	-0.1#	92	0.00
31	T	Cyclohexane	0.997	0.807	19.1	77	0.00
32	T	1,1,1-Trichloroethane	1.021	0.997	2.4	90	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.747	-3.5	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.338	0.351	-3.8	94	0.00
36	T	1,1-Dichloropropene	0.469	0.405	13.6	83	0.00
37	T	Ethyl Acetate	0.426	0.406	4.7	89	0.00
38	T	Carbon Tetrachloride	0.525	0.488	7.0	88	0.00
39	T	Methylcyclohexane	0.478	0.431	9.8	78	0.00
40	TM	Benzene	1.507	1.371	9.0	87	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	89	0.00
42	TM	1,2-Dichloroethane	0.488	0.475	2.7	89	0.00
43	T	Isopropyl Acetate	0.927	0.780	15.9	95	0.00
44	TM	Trichloroethene	0.348	0.317	8.9	87	0.00
45	C	1,2-Dichloropropane	0.354	0.340	4.0#	90	0.00
46	T	Dibromomethane	0.250	0.241	3.6	91	0.00
47	T	Bromodichloromethane	0.526	0.525	0.2	93	0.00
48	T	Methyl methacrylate	0.331	0.340	-2.7	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	92	0.00
50	S	Toluene-d8	1.247	1.278	-2.5	90	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.408	-0.5	89	0.00
52	CM	Toluene	0.882	0.845	4.2#	87	0.00
53	T	t-1,3-Dichloropropene	0.544	0.511	6.1	87	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.548	4.9	87	0.00
55	T	1,1,2-Trichloroethane	0.332	0.326	1.8	92	0.00
56	T	Ethyl methacrylate	0.480	0.526	-9.6	90	0.00
57	T	1,3-Dichloropropane	0.570	0.564	1.1	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.240	-6.7	85	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	89	0.00
60	T	Dibromochloromethane	0.378	0.396	-4.8	93	0.00
61	T	1,2-Dibromoethane	0.340	0.326	4.1	90	0.00
62	S	4-Bromofluorobenzene	0.466	0.526	-12.9	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.333	0.295	11.4	89	0.00
65	PM	Chlorobenzene	1.119	0.988	11.7	88	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.372	4.4	93	0.00
67	C	Ethyl Benzene	1.867	1.744	6.6#	87	0.00
68	T	m/p-Xylenes	0.707	0.657	7.1	85	0.00
69	T	o-Xylene	0.661	0.641	3.0	87	0.00
70	T	Styrene	1.154	1.108	4.0	86	0.00
71	P	Bromoform	0.293	0.295	-0.7	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73	T	Isopropylbenzene	3.504	2.879	17.8	85	0.00
74	T	N-amyl acetate	1.491	1.290	13.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	0.933	20.3	92	0.00
76	T	1,2,3-Trichloropropane	0.999	0.750	24.9	89	0.00
77	T	Bromobenzene	0.942	0.737	21.8	88	0.00
78	T	n-propylbenzene	4.106	3.292	19.8	82	0.00
79	T	2-Chlorotoluene	2.683	2.153	19.8	87	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.492	14.2	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.367	12.8	97	0.00
82	T	4-Chlorotoluene	2.823	2.167	23.2	84	0.00
83	T	tert-Butylbenzene	2.403	2.079	13.5	87	0.00
84	T	1,2,4-Trimethylbenzene	2.997	2.578	14.0	87	0.00
85	T	sec-Butylbenzene	3.395	2.794	17.7	83	0.00
86	T	p-Isopropyltoluene	2.784	2.424	12.9	84	0.00
87	T	1,3-Dichlorobenzene	1.838	1.384	24.7	88	0.00
88	T	1,4-Dichlorobenzene	1.937	1.351	30.3#	85	0.00
89	T	n-Butylbenzene	2.605	1.974	24.2	80	0.00
90	T	Hexachloroethane	0.621	0.458	26.2#	82	0.00
91	T	1,2-Dichlorobenzene	1.766	1.373	22.3	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.179	24.5	87	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.670	30.7#	82	0.00
94	T	Hexachlorobutadiene	0.425	0.300	29.4#	86	0.00
95	T	Naphthalene	2.894	2.217	23.4	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.671	28.5#	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	89	0.00
2	T	Dichlorodifluoromethane	50.000	41.645	16.7	77	0.00
3	P	Chloromethane	50.000	40.985	18.0	74	0.00
4	C	Vinyl Chloride	50.000	44.523	11.0#	81	0.00
5	T	Bromomethane	50.000	45.910	8.2	91	-0.05
6	T	Chloroethane	50.000	47.018	6.0	86	-0.05
7	T	Trichlorofluoromethane	50.000	44.037	11.9	84	-0.03
8	T	Diethyl Ether	50.000	49.263	1.5	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.153	13.7	80	-0.01
10	T	Methyl Iodide	50.000	50.201	-0.4	94	-0.02
11	T	Tert butyl alcohol	250.000	247.098	1.2	97	0.01
12	CM	1,1-Dichloroethene	50.000	44.200	11.6#	84	-0.02
13	T	Acrolein	250.000	266.973	-6.8	103	0.00
14	T	Allyl chloride	50.000	46.424	7.2	84	-0.01
15	T	Acrylonitrile	250.000	243.917	2.4	89	0.00
16	T	Acetone	250.000	251.462	-0.6	92	0.00
17	T	Carbon Disulfide	50.000	37.981	24.0	74	-0.02
18	T	Methyl Acetate	50.000	46.128	7.7	84	0.00
19	T	Methyl tert-butyl Ether	50.000	52.720	-5.4	94	0.00
20	T	Methylene Chloride	50.000	48.006	4.0	91	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.901	8.2	85	-0.01
22	T	Diisopropyl ether	50.000	51.170	-2.3	90	0.00
23	T	Vinyl Acetate	250.000	254.260	-1.7	89	0.00
24	P	1,1-Dichloroethane	50.000	47.960	4.1	89	0.00
25	T	2-Butanone	250.000	246.947	1.2	94	0.00
26	T	2,2-Dichloropropane	50.000	45.272	9.5	82	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.747	2.5	90	0.00
28	T	Bromochloromethane	50.000	58.687	-17.4	90	0.00
29	T	Tetrahydrofuran	250.000	242.301	3.1	87	0.00
30	C	Chloroform	50.000	50.016	-0.0#	92	0.00
31	T	Cyclohexane	50.000	40.479	19.0	77	0.00
32	T	1,1,1-Trichloroethane	50.000	48.860	2.3	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.699	-3.4	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	51.805	-3.6	94	0.00
36	T	1,1-Dichloropropene	50.000	43.185	13.6	83	0.00
37	T	Ethyl Acetate	50.000	47.723	4.6	89	0.00
38	T	Carbon Tetrachloride	50.000	46.534	6.9	88	0.00
39	T	Methylcyclohexane	50.000	45.143	9.7	78	0.00
40	TM	Benzene	50.000	45.489	9.0	87	0.00
41	T	Methacrylonitrile	50.000	51.967	-3.9	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.633	2.7	89	0.00
43	T	Isopropyl Acetate	50.000	49.578	0.8	95	0.00
44	TM	Trichloroethene	50.000	45.624	8.8	87	0.00
45	C	1,2-Dichloropropane	50.000	48.010	4.0#	90	0.00
46	T	Dibromomethane	50.000	48.372	3.3	91	0.00
47	T	Bromodichloromethane	50.000	49.898	0.2	93	0.00
48	T	Methyl methacrylate	50.000	51.298	-2.6	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	1024.951	-2.5	92	0.00
50	S	Toluene-d8	50.000	51.238	-2.5	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.554	-0.6	89	0.00
52	CM	Toluene	50.000	47.933	4.1#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	46.912	6.2	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.515	5.0	87	0.00
55	T	1,1,2-Trichloroethane	50.000	49.143	1.7	92	0.00
56	T	Ethyl methacrylate	50.000	54.724	-9.4	90	0.00
57	T	1,3-Dichloropropane	50.000	49.490	1.0	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.152	-6.9	85	0.00
59	T	2-Hexanone	250.000	255.313	-2.1	89	0.00
60	T	Dibromochloromethane	50.000	52.259	-4.5	93	0.00
61	T	1,2-Dibromoethane	50.000	47.966	4.1	90	0.00
62	S	4-Bromofluorobenzene	50.000	56.448	-12.9	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	44.374	11.3	89	0.00
65	PM	Chlorobenzene	50.000	44.169	11.7	88	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.831	4.3	93	0.00
67	C	Ethyl Benzene	50.000	46.703	6.6#	87	0.00
68	T	m/p-Xylenes	100.000	92.969	7.0	85	0.00
69	T	o-Xylene	50.000	48.500	3.0	87	0.00
70	T	Styrene	50.000	48.041	3.9	86	0.00
71	P	Bromoform	50.000	50.312	-0.6	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73	T	Isopropylbenzene	50.000	41.079	17.8	85	0.00
74	T	N-amyl acetate	50.000	43.258	13.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	39.892	20.2	92	0.00
76	T	1,2,3-Trichloropropane	50.000	37.506	25.0	89	0.00
77	T	Bromobenzene	50.000	39.124	21.8	88	0.00
78	T	n-propylbenzene	50.000	40.088	19.8	82	0.00
79	T	2-Chlorotoluene	50.000	40.116	19.8	87	0.00
80	T	1,3,5-Trimethylbenzene	50.000	42.903	14.2	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.595	12.8	97	0.00
82	T	4-Chlorotoluene	50.000	38.381	23.2	84	0.00
83	T	tert-Butylbenzene	50.000	43.255	13.5	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	43.009	14.0	87	0.00
85	T	sec-Butylbenzene	50.000	41.154	17.7	83	0.00
86	T	p-Isopropyltoluene	50.000	43.523	13.0	84	0.00
87	T	1,3-Dichlorobenzene	50.000	37.655	24.7	88	0.00
88	T	1,4-Dichlorobenzene	50.000	39.773	20.5	85	0.00
89	T	n-Butylbenzene	50.000	37.890	24.2	80	0.00
90	T	Hexachloroethane	50.000	36.906	26.2#	82	0.00
91	T	1,2-Dichlorobenzene	50.000	38.875	22.3	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	37.744	24.5	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	34.628	30.7#	82	0.00
94	T	Hexachlorobutadiene	50.000	35.343	29.3#	86	0.00
95	T	Naphthalene	50.000	38.303	23.4	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	35.743	28.5#	84	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/11/2024 10:54

Lab File ID: VN084763.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.952	0.548	0.1	-42.44	20
Vinyl Chloride	0.618	0.542		-12.3	20
Bromomethane	0.328	0.308		-6.1	20
Chloroethane	0.488	0.366		-25	20
Trichlorofluoromethane	1.018	0.982		-3.54	20
1,1,2-Trichlorotrifluoroethane	0.575	0.552		-4	20
1,1-Dichloroethene	0.569	0.521		-8.44	20
Acetone	0.238	0.254		6.72	20
Carbon Disulfide	1.753	1.378		-21.39	20
Methyl tert-butyl Ether	1.745	1.856		6.36	20
Methylene Chloride	0.635	0.615		-3.15	20
trans-1,2-Dichloroethene	0.585	0.553		-5.47	20
1,1-Dichloroethane	1.102	1.060	0.1	-3.81	20
2-Butanone	0.337	0.376		11.57	20
Carbon Tetrachloride	0.525	0.542		3.24	20
cis-1,2-Dichloroethene	0.683	0.672		-1.61	20
Chloroform	1.121	1.129		0.71	20
1,1,1-Trichloroethane	1.021	1.023		0.2	20
Methylcyclohexane	0.478	0.485		1.46	20
Benzene	1.507	1.478		-1.92	20
1,2-Dichloroethane	0.488	0.503		3.07	20
Trichloroethene	0.348	0.337		-3.16	20
1,2-Dichloropropane	0.354	0.362		2.26	20
Bromodichloromethane	0.526	0.565		7.41	20
4-Methyl-2-Pentanone	0.406	0.479		17.98	20
Toluene	0.882	0.921		4.42	20
t-1,3-Dichloropropene	0.544	0.543		-0.18	20
cis-1,3-Dichloropropene	0.576	0.584		1.39	20
1,1,2-Trichloroethane	0.332	0.355		6.93	20
2-Hexanone	0.296	0.354		19.59	20
Dibromochloromethane	0.378	0.437		15.61	20
Tetrachloroethene	0.333	0.338		1.5	20
Chlorobenzene	1.119	1.110	0.3	-0.8	20
Ethyl Benzene	1.867	1.951		4.5	20
m/p-Xylenes	0.707	0.762		7.78	20
o-Xylene	0.661	0.749		13.31	20
Styrene	1.154	1.272		10.23	20
Bromoform	0.293	0.344	0.1	17.41	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/11/2024 10:54

Lab File ID: VN084763.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.504	3.590		2.45	20
1,1,2,2-Tetrachloroethane	1.170	1.149	0.3	-1.79	20
1,3-Dichlorobenzene	1.838	1.685		-8.32	20
1,4-Dichlorobenzene	1.937	1.671		-13.73	20
1,2-Dichlorobenzene	1.766	1.670		-5.44	20
1,2-Dichloroethane-d4	0.722	0.679		-5.96	20
Dibromofluoromethane	0.338	0.342		1.18	20
Toluene-d8	1.247	1.214		-2.65	20
4-Bromofluorobenzene	0.466	0.484		3.86	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\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113027	47.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.040%			
35) Dibromofluoromethane	8.165	113	92661	50.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	10.565	98	328558	48.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.847	95	131064	51.967	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84174	43.991	ug/l	96
3) Chloromethane	2.359	50	91149	40.098	ug/l	98
4) Vinyl Chloride	2.512	62	90263	43.860	ug/l	98
5) Bromomethane	2.901	94	51203	46.958	ug/l	99
6) Chloroethane	3.077	64	60880	47.726	ug/l	96
7) Trichlorofluoromethane	3.471	101	163519	48.234	ug/l	97
8) Diethyl Ether	3.953	74	58712	49.095	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	91907	47.978	ug/l	97
10) Methyl Iodide	4.583	142	127633	49.853	ug/l	97
11) Tert butyl alcohol	5.530	59	86050	271.171	ug/l	98
12) 1,1-Dichloroethene	4.330	96	86792	45.789	ug/l	95
13) Acrolein	4.171	56	66268	209.424	ug/l	100
14) Allyl chloride	5.018	41	143357	46.636	ug/l	92
15) Acrylonitrile	5.712	53	247053	268.931	ug/l	98
16) Acetone	4.424	43	211776	305.595	ug/l	95
17) Carbon Disulfide	4.700	76	229303	39.283	ug/l	99
18) Methyl Acetate	5.018	43	124245	48.890	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	308982	53.183	ug/l	96
20) Methylene Chloride	5.271	84	102299	48.382	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	91997	47.267	ug/l	97
22) Diisopropyl ether	6.665	45	301392	49.344	ug/l	97
23) Vinyl Acetate	6.600	43	1086820	258.019	ug/l	97
24) 1,1-Dichloroethane	6.559	63	176476	48.124	ug/l	99
25) 2-Butanone	7.483	43	312670	278.781	ug/l	99
26) 2,2-Dichloropropane	7.483	77	156025	48.884	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	111780	49.185	ug/l	94
28) Bromochloromethane	7.812	49	79339	54.304	ug/l	87
29) Tetrahydrofuran	7.836	42	199372	267.951	ug/l	93
30) Chloroform	7.965	83	187932	50.351	ug/l	99
31) Cyclohexane	8.253	56	141347	42.587	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	170235	50.110	ug/l	98
36) 1,1-Dichloropropene	8.371	75	119899	47.191	ug/l	98
37) Ethyl Acetate	7.553	43	126440	54.851	ug/l	98
38) Carbon Tetrachloride	8.359	117	146629	51.633	ug/l	97
39) Methylcyclohexane	9.600	83	131208	50.763	ug/l	98
40) Benzene	8.606	78	400092	49.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	71755	57.885	ug/l		98
42) 1,2-Dichloroethane	8.665	62	136041	51.482	ug/l		99
43) Isopropyl Acetate	8.688	43	213108	50.042	ug/l		97
44) Trichloroethene	9.347	130	91293	48.515	ug/l		96
45) 1,2-Dichloropropane	9.618	63	98068	51.236	ug/l		97
46) Dibromomethane	9.706	93	70386	52.114	ug/l		95
47) Bromodichloromethane	9.882	83	153028	53.751	ug/l	#	96
48) Methyl methacrylate	9.677	41	98683	55.006	ug/l		93
49) 1,4-Dioxane	9.694	88	37307	1173.486	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	647585	294.690	ug/l		97
52) Toluene	10.630	92	249401	52.263	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	147017	49.888	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	158062	50.677	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	96183	53.508	ug/l		97
56) Ethyl methacrylate	10.871	69	157941	60.744	ug/l		93
57) 1,3-Dichloropropane	11.159	76	162845	52.786	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	338599	278.300	ug/l		96
59) 2-Hexanone	11.194	43	478507	299.154	ug/l		96
60) Dibromochloromethane	11.359	129	118310	57.750	ug/l		100
61) 1,2-Dibromoethane	11.465	107	96259	52.293	ug/l		99
64) Tetrachloroethene	11.100	164	80569	50.742	ug/l		97
65) Chlorobenzene	11.888	112	264984	49.619	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	101669	54.732	ug/l		98
67) Ethyl Benzene	11.965	91	465784	52.251	ug/l		99
68) m/p-Xylenes	12.071	106	363586	107.734	ug/l		100
69) o-Xylene	12.400	106	178745	56.617	ug/l		98
70) Styrene	12.412	104	303645	55.134	ug/l		98
71) Bromoform	12.576	173	82078	58.721	ug/l	#	99
73) Isopropylbenzene	12.694	105	446708	51.228	ug/l		99
74) N-amyl acetate	12.494	43	188248	50.722	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	142997	49.129	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	118247m	47.539	ug/l		
77) Bromobenzene	12.976	156	113359	48.357	ug/l		93
78) n-propylbenzene	13.035	91	524800	51.358	ug/l		98
79) 2-Chlorotoluene	13.123	91	333703	49.979	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	393675	54.470	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	50917	48.563	ug/l		96
82) 4-Chlorotoluene	13.218	91	335959	47.812	ug/l		99
83) tert-Butylbenzene	13.435	119	335070	56.018	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	401540	53.831	ug/l		98
85) sec-Butylbenzene	13.612	105	446905	52.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	381882	55.110	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	209698	45.837	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	207944	49.560	ug/l		99
89) n-Butylbenzene	14.053	91	312135	48.155	ug/l		99
90) Hexachloroethane	14.329	117	73088	47.297	ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	207866	47.283	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30432	51.610	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	110955	46.111	ug/l		100
94) Hexachlorobutadiene	15.500	225	49394	46.744	ug/l		96
95) Naphthalene	15.641	128	367171	50.979	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	109885	47.044	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

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

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

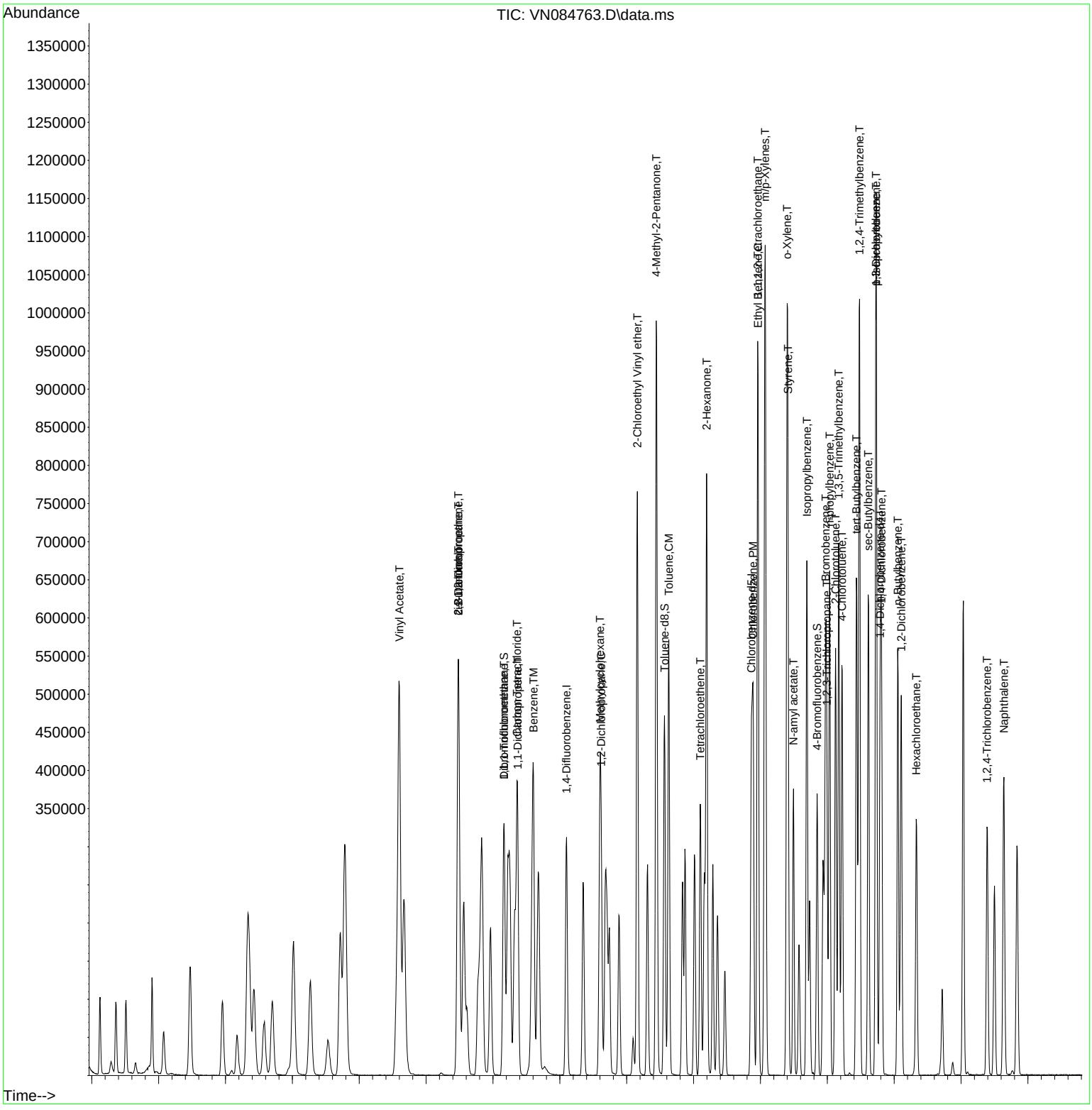
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

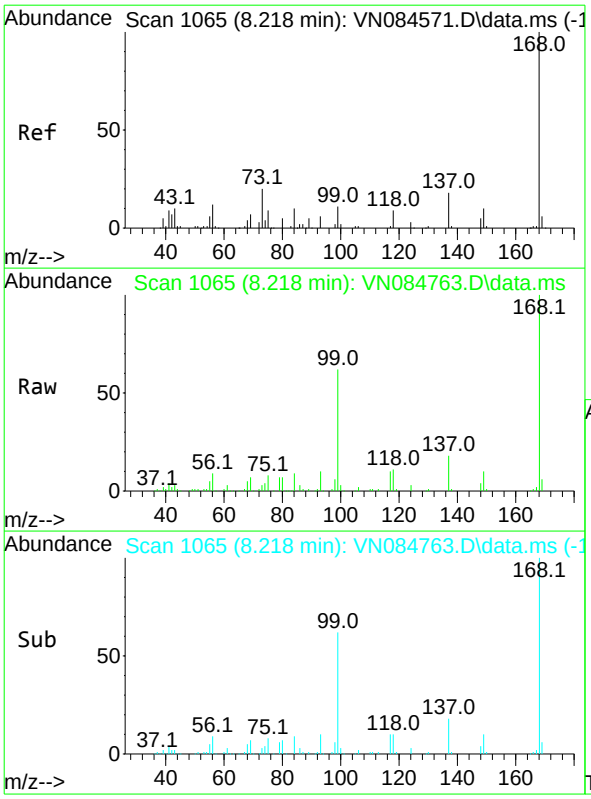
Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

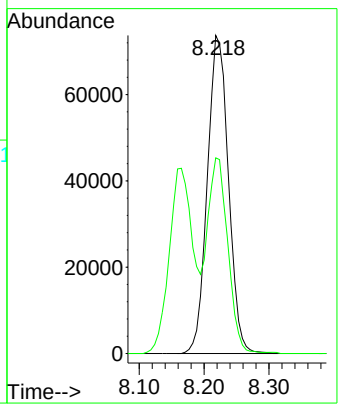




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:168 Resp: 166446

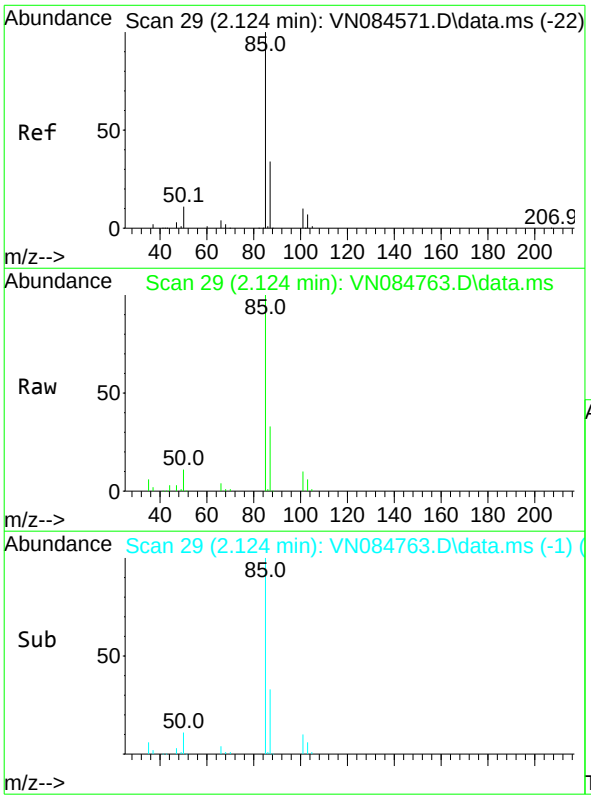
Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

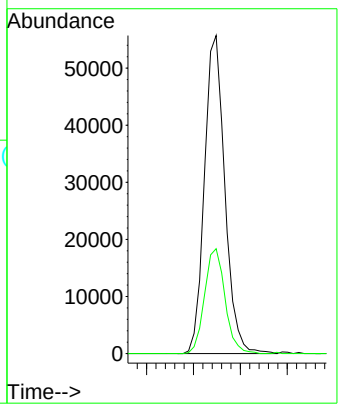
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

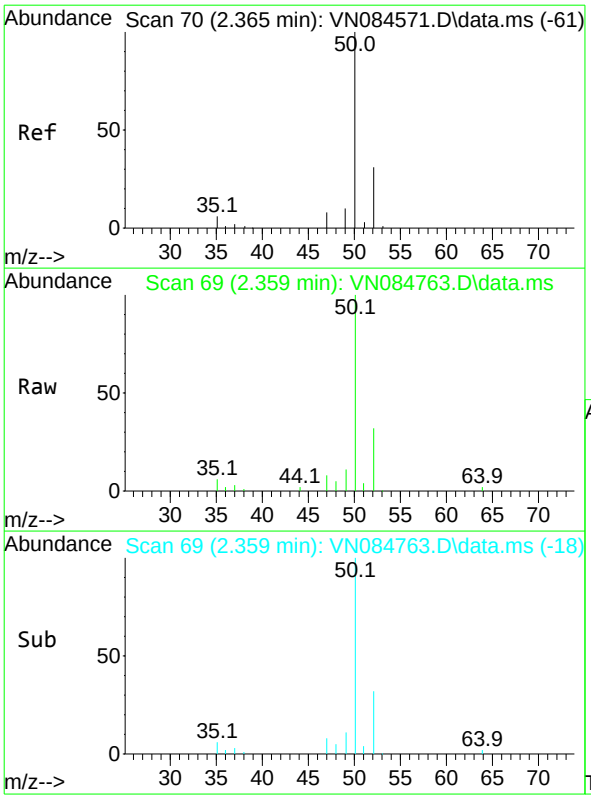


#2
Dichlorodifluoromethane
Concen: 43.991 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 85 Resp: 84174

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9

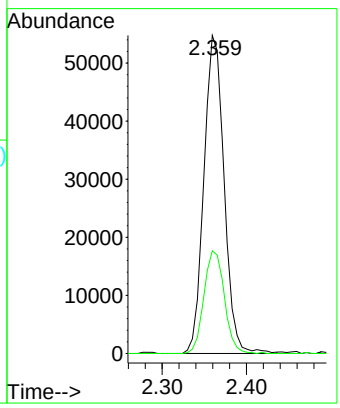




#3
Chloromethane
Concen: 40.098 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 50 Resp: 91149

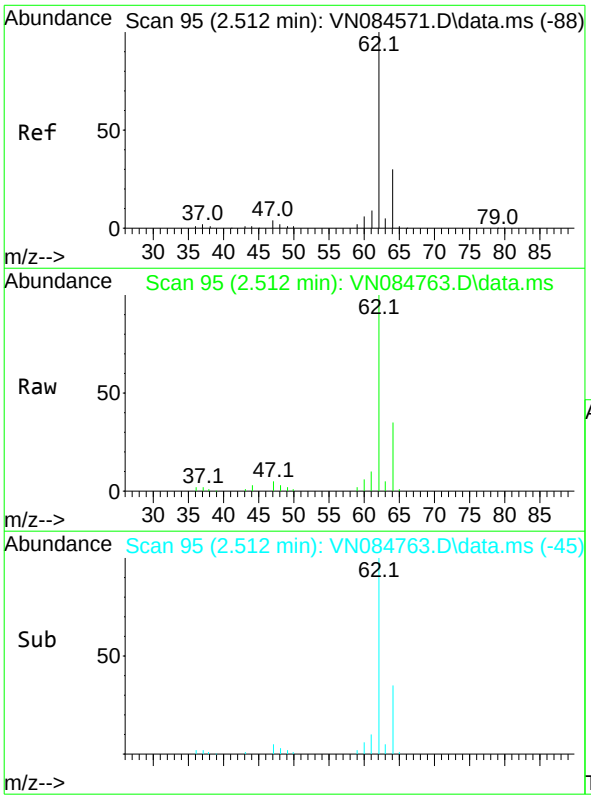
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

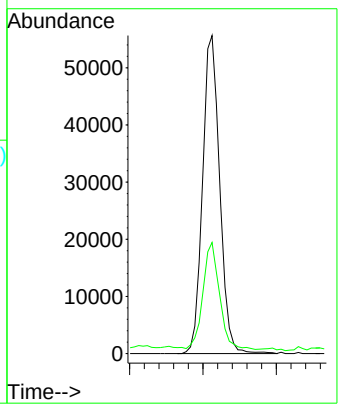
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

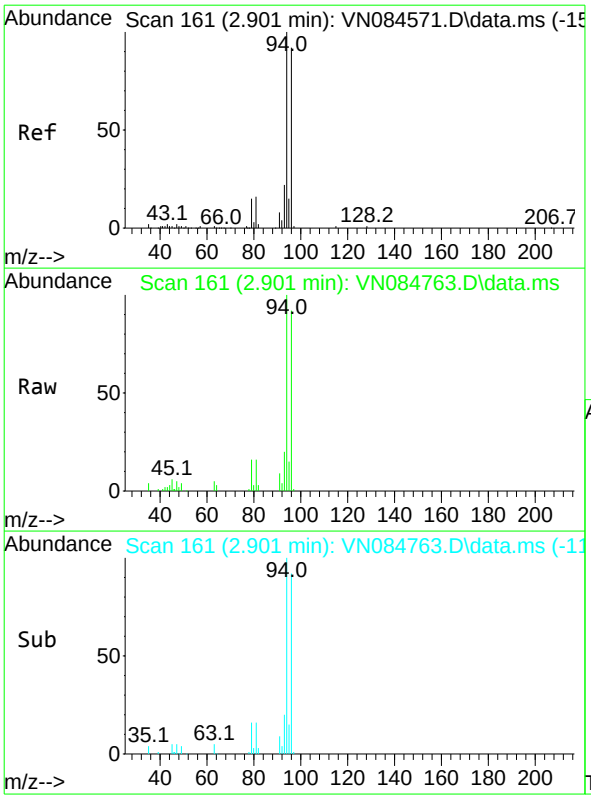


#4
Vinyl Chloride
Concen: 43.860 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 62 Resp: 90263

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.2	39.4

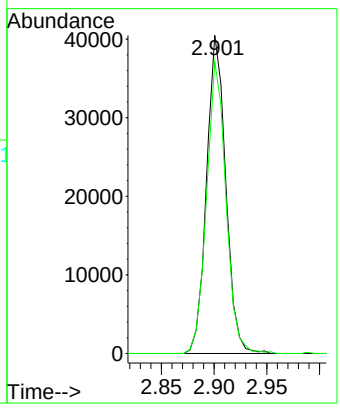




#5
Bromomethane
Concen: 46.958 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 94 Resp: 51203

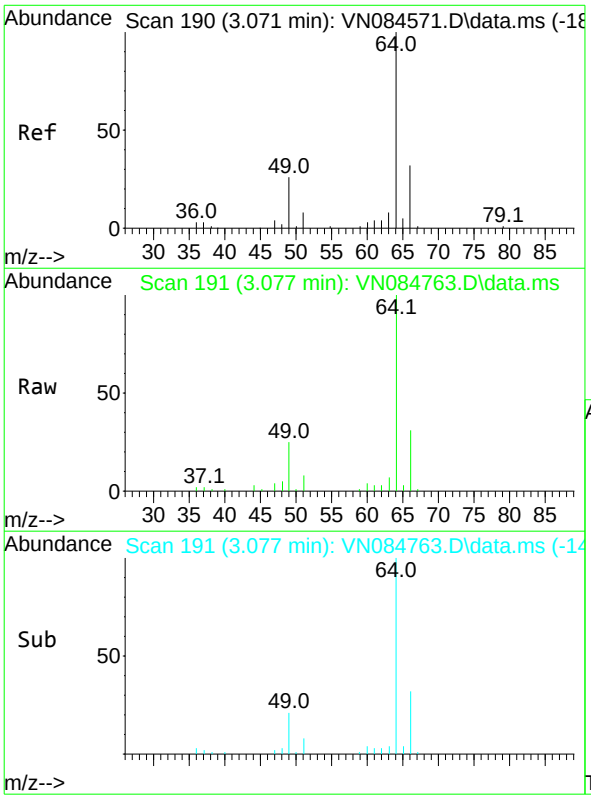
Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

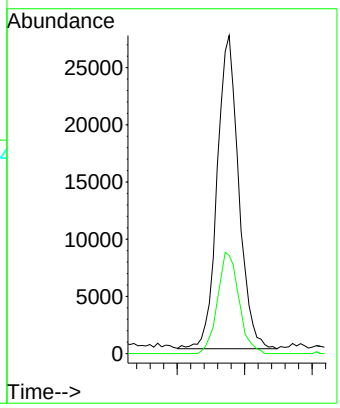
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

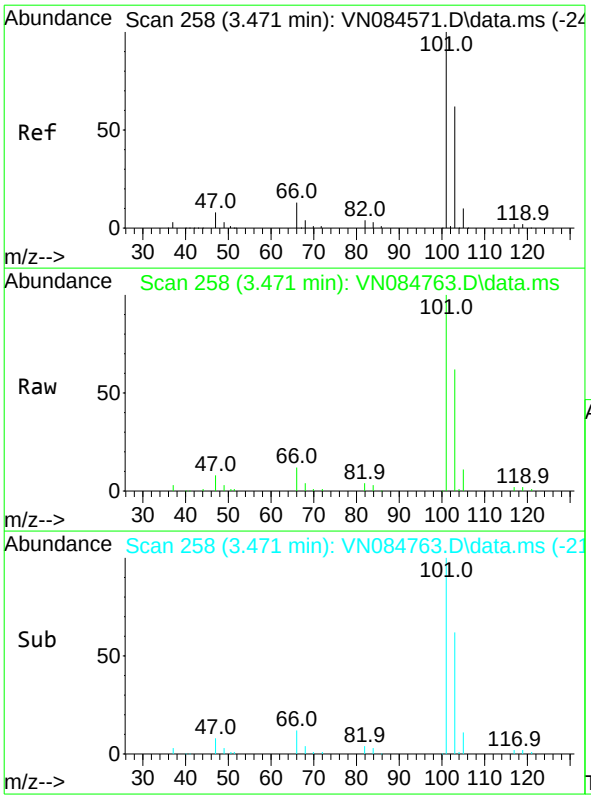


#6
Chloroethane
Concen: 47.726 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 64 Resp: 60880

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3

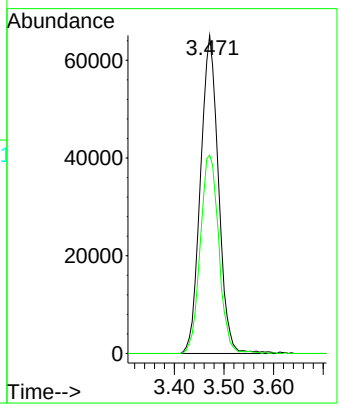




#7
Trichlorofluoromethane
Concen: 48.234 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:101 Resp: 163519

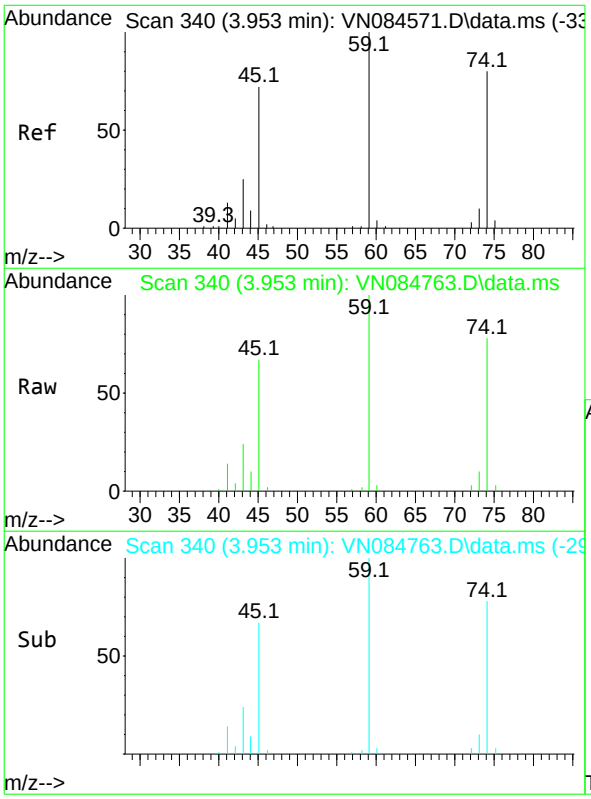
Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

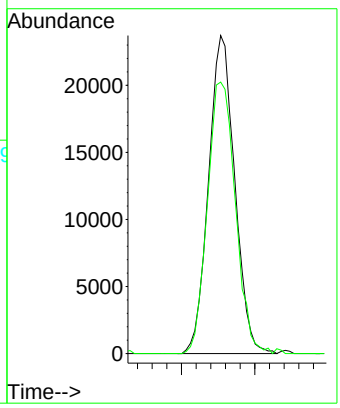
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

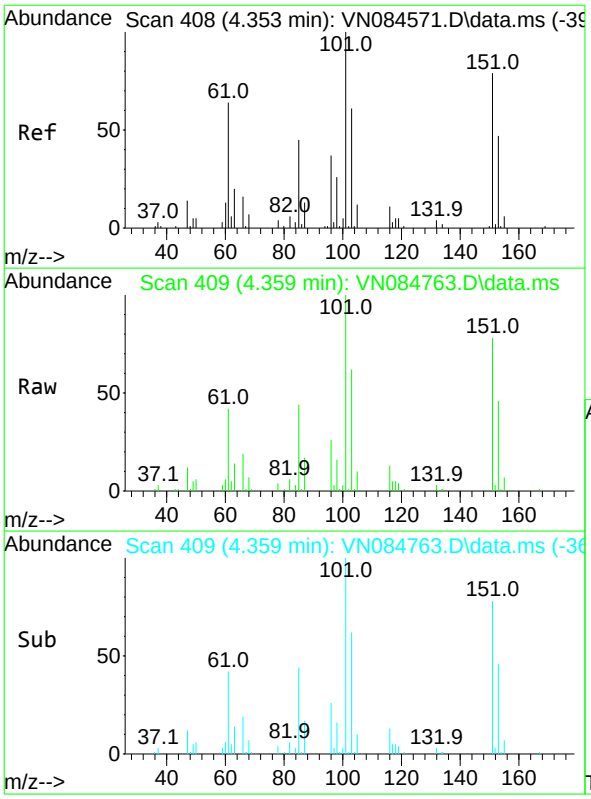


#8
Diethyl Ether
Concen: 49.095 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 74 Resp: 58712

Ion	Ratio	Lower	Upper
74	100		
45	91.2	47.7	143.1

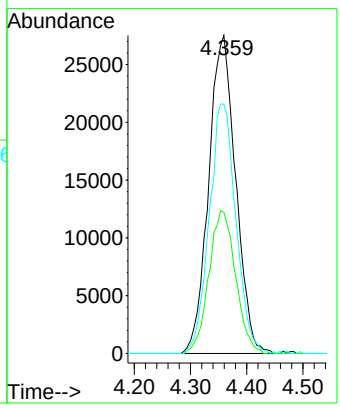




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.978 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:101 Resp: 91907

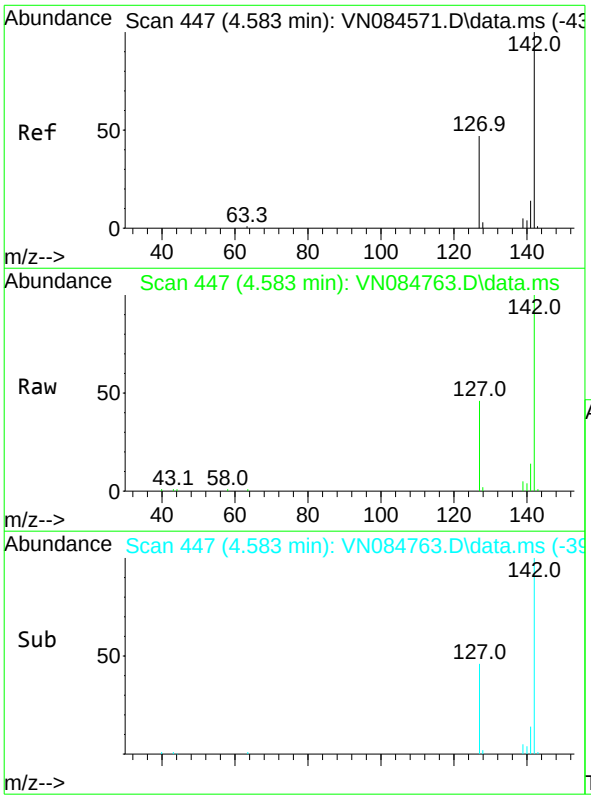
Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.2	54.4
151	77.4	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

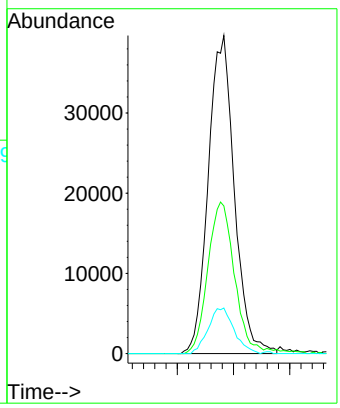
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

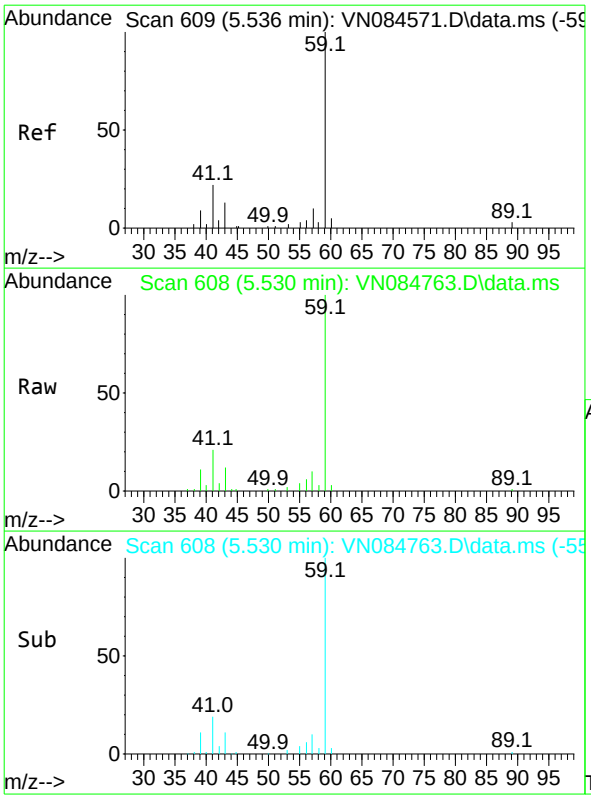


#10
Methyl Iodide
Concen: 49.853 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:142 Resp: 127633

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.3	52.9
141	14.3	11.0	16.6

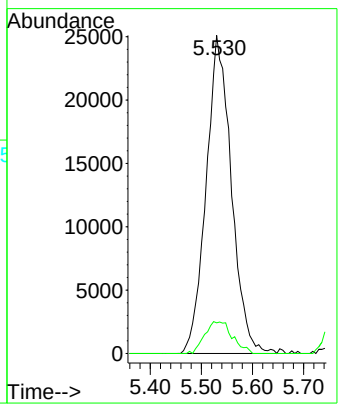




#11
Tert butyl alcohol
Concen: 271.171 ug/l
RT: 5.530 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 59 Resp: 86050

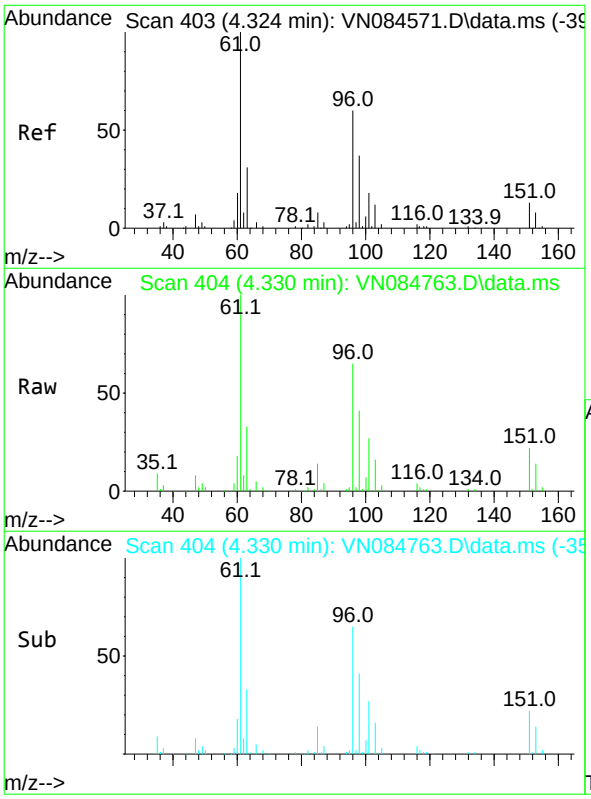
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

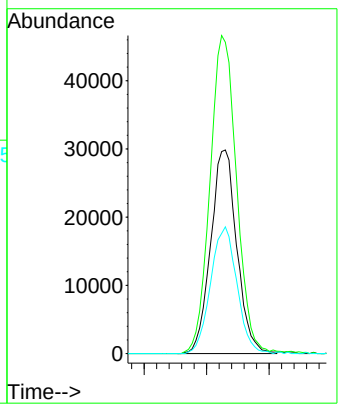
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

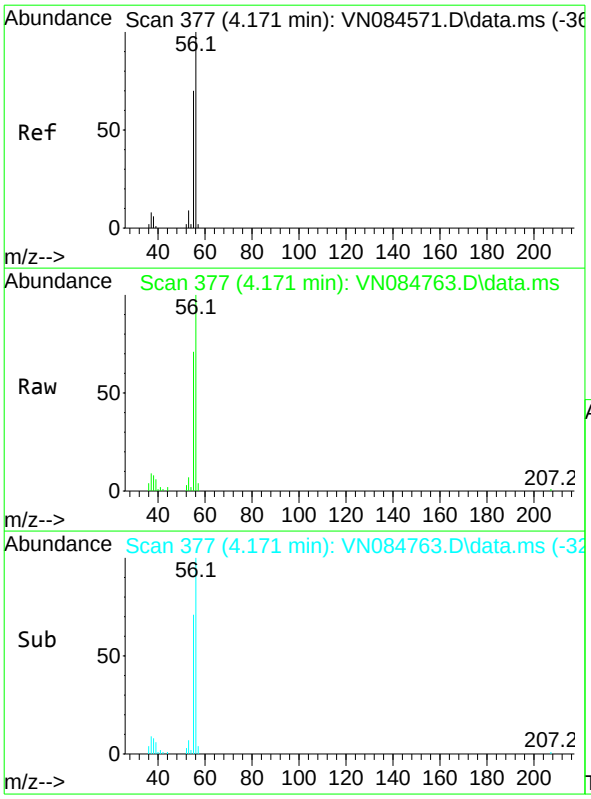


#12
1,1-Dichloroethene
Concen: 45.789 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 96 Resp: 86792

Ion	Ratio	Lower	Upper
96	100		
61	152.9	128.6	192.8
98	62.2	51.7	77.5

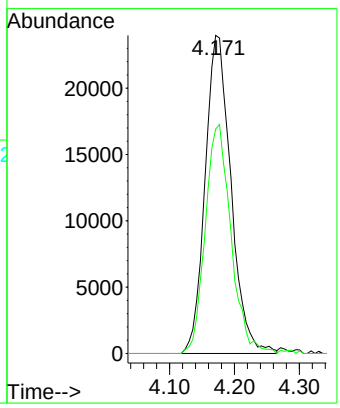




#13
Acrolein
Concen: 209.424 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 56 Resp: 66268

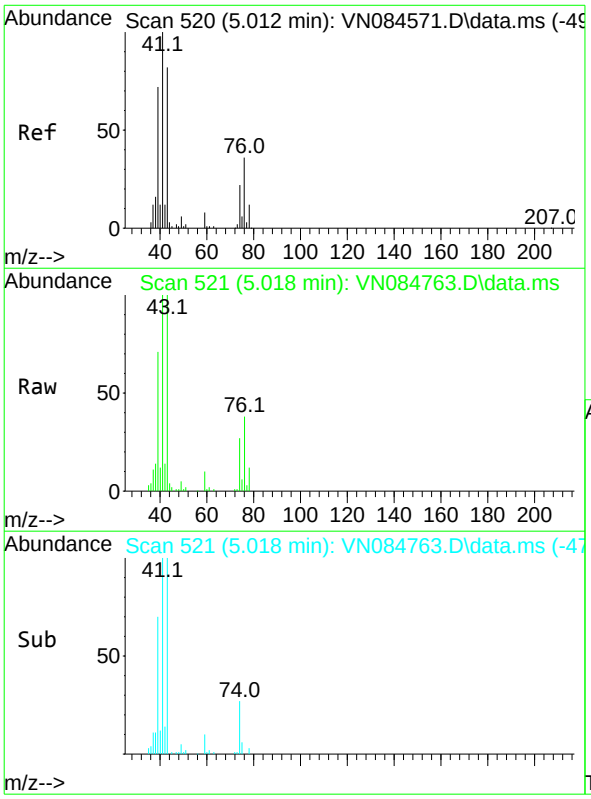
Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

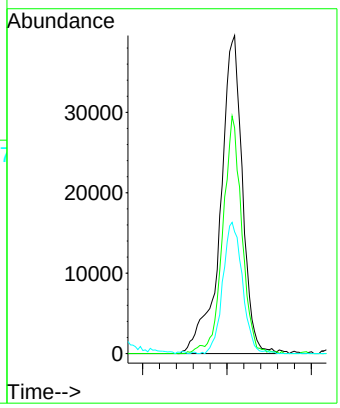
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

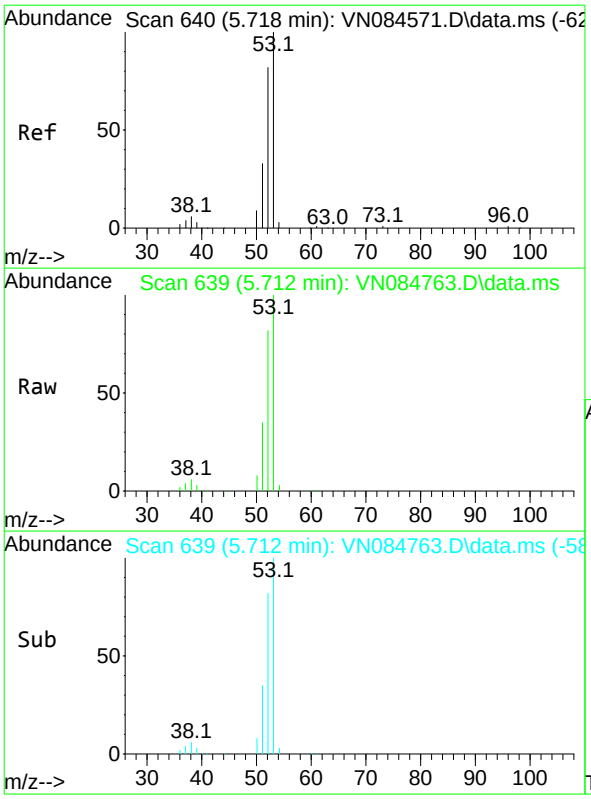


#14
Allyl chloride
Concen: 46.636 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 41 Resp: 143357

Ion	Ratio	Lower	Upper
41	100		
39	64.5	59.0	88.6
76	36.8	29.8	44.6

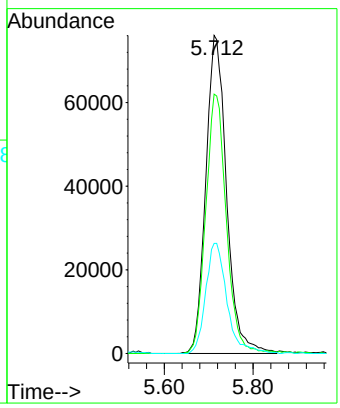




#15
Acrylonitrile
Concen: 268.931 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 53 Resp: 247053

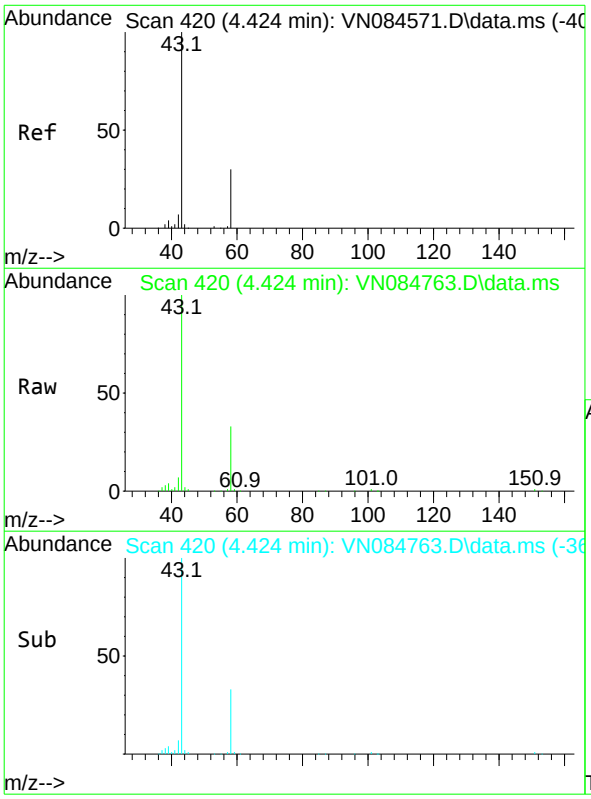
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	35.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

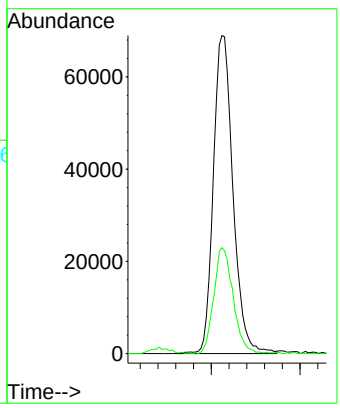
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

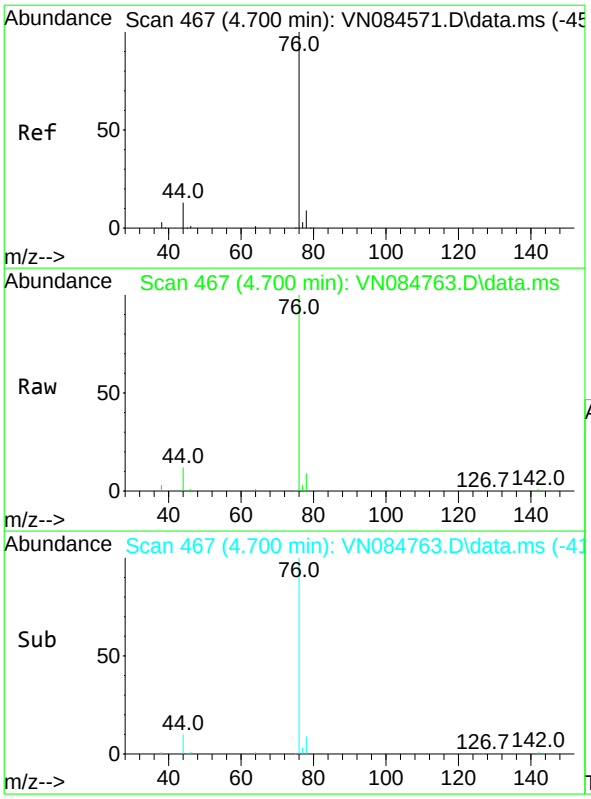


#16
Acetone
Concen: 305.595 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 211776

Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.4	36.6

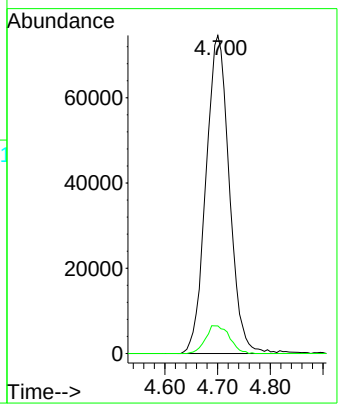




#17
Carbon Disulfide
Concen: 39.283 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 76 Resp: 229303

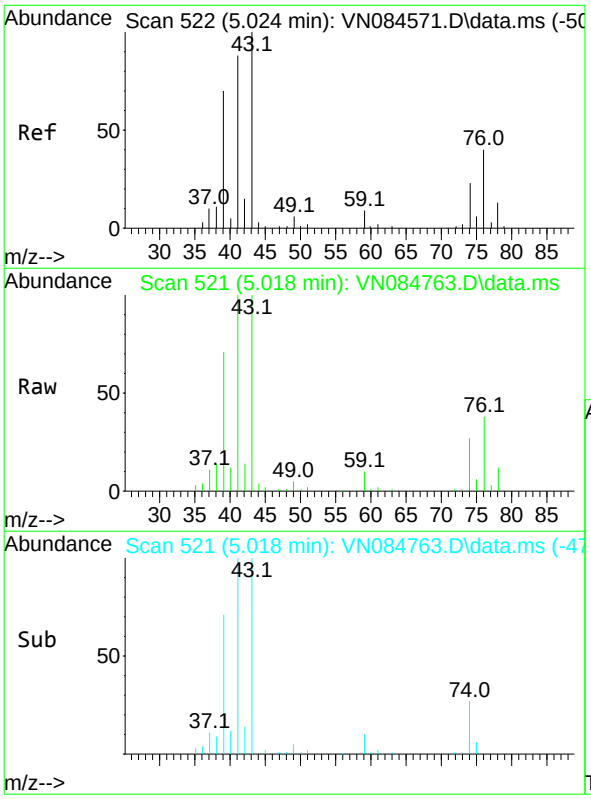
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

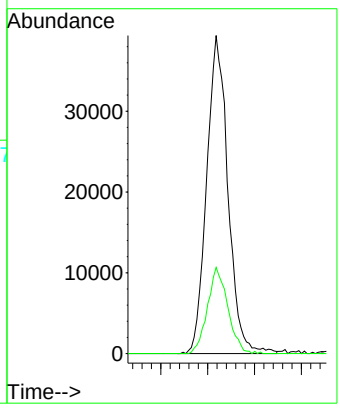
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

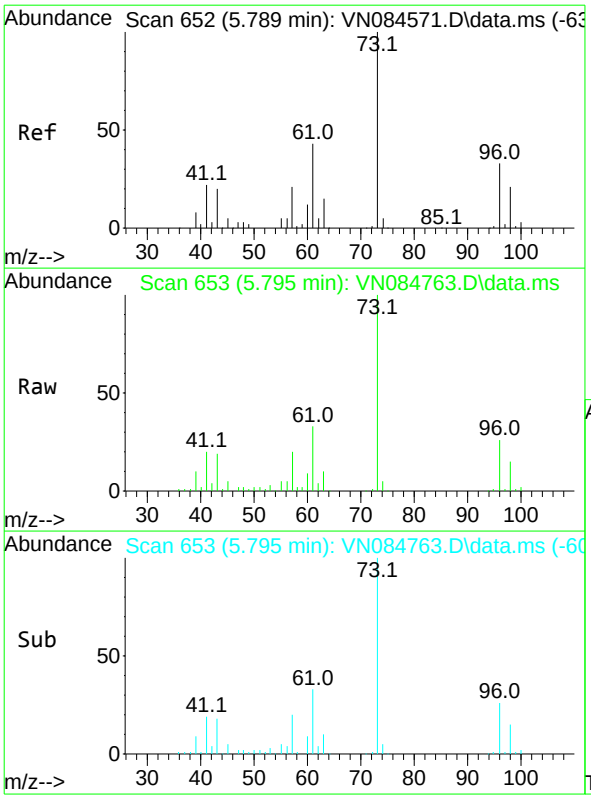


#18
Methyl Acetate
Concen: 48.890 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 124245

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.2	28.8

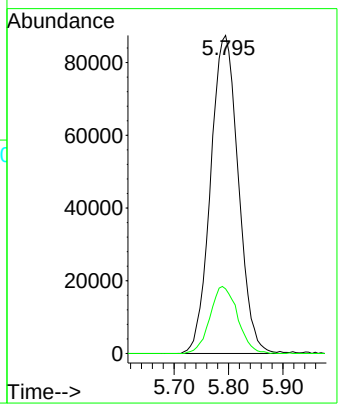




#19
Methyl tert-butyl Ether
Concen: 53.183 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 73 Resp: 308982

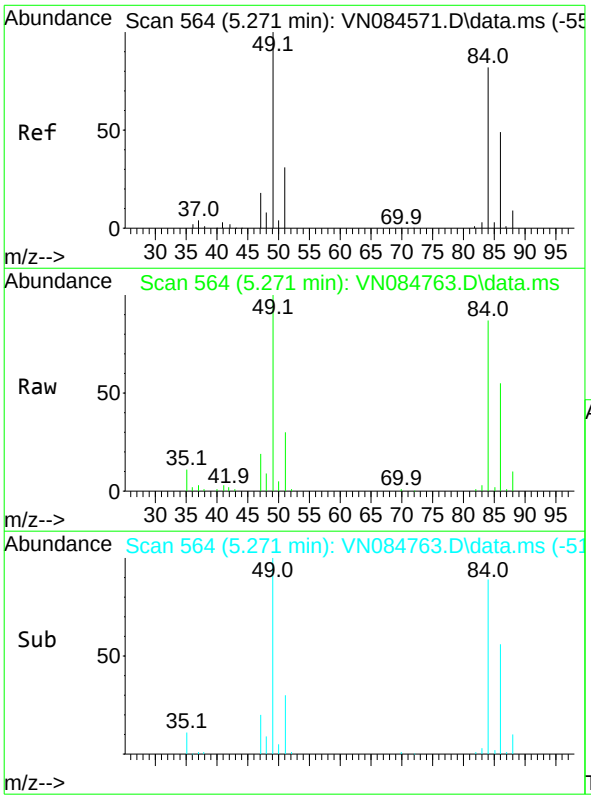
Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

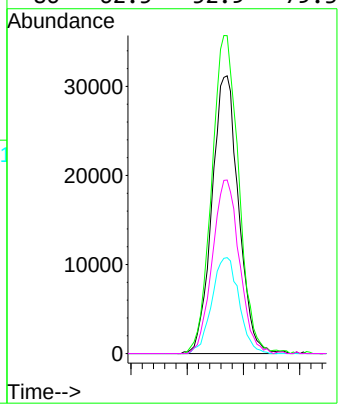
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

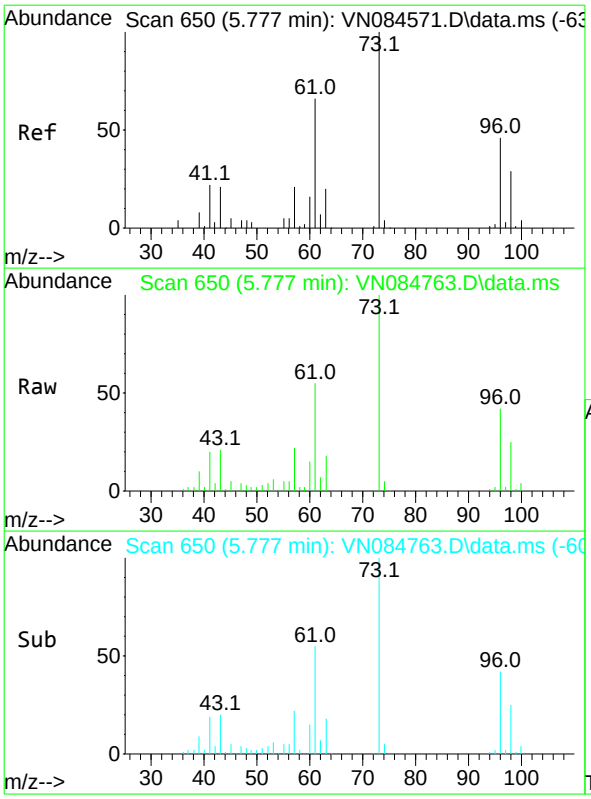


#20
Methylene Chloride
Concen: 48.382 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 84 Resp: 102299

Ion	Ratio	Lower	Upper
84	100		
49	114.4	107.2	160.8
51	34.5	31.8	47.8
86	62.5	52.9	79.3

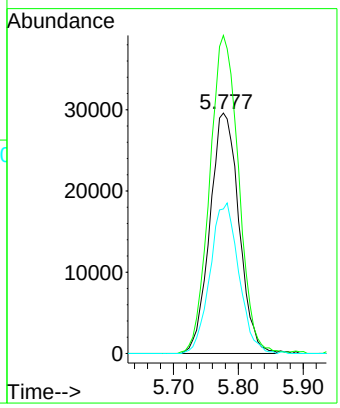




#21
trans-1,2-Dichloroethene
Concen: 47.267 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 96 Resp: 91997

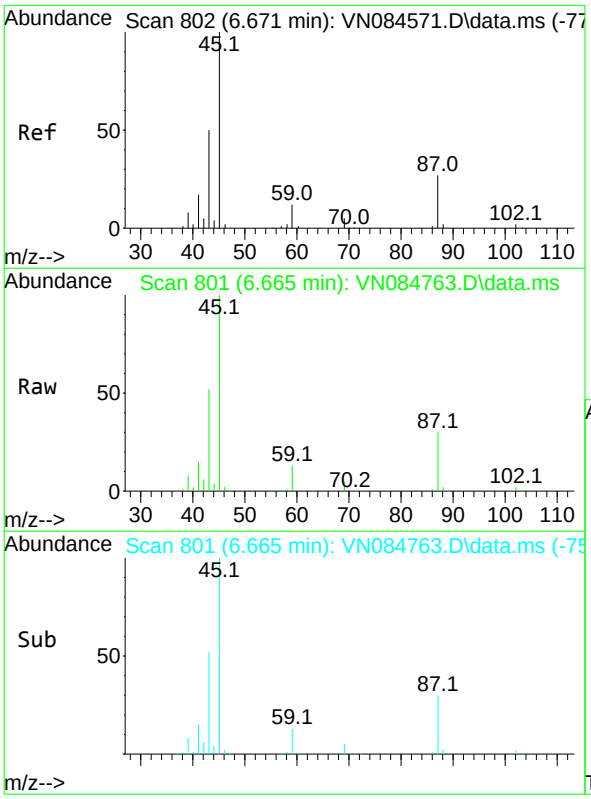
Ion	Ratio	Lower	Upper
96	100		
61	132.3	108.4	162.6
98	60.1	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

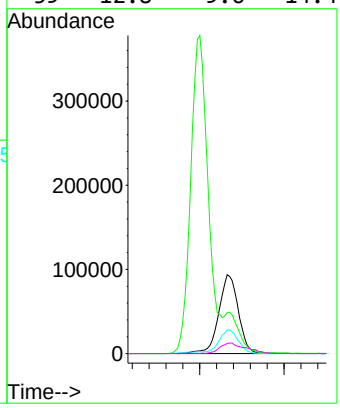
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

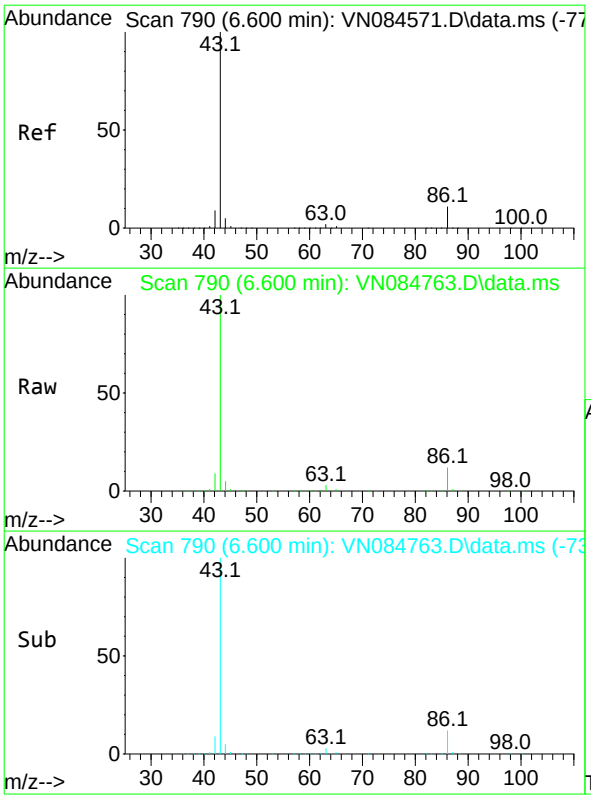


#22
Diisopropyl ether
Concen: 49.344 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 45 Resp: 301392

Ion	Ratio	Lower	Upper
45	100		
43	51.1	42.3	63.5
87	29.9	21.8	32.6
59	12.8	9.6	14.4

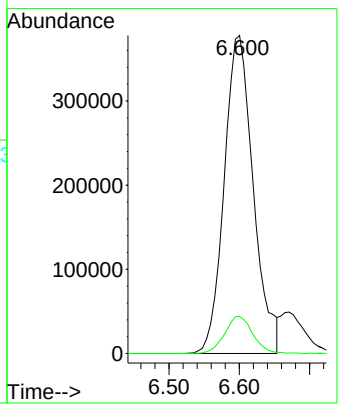




#23
Vinyl Acetate
Concen: 258.019 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 108682

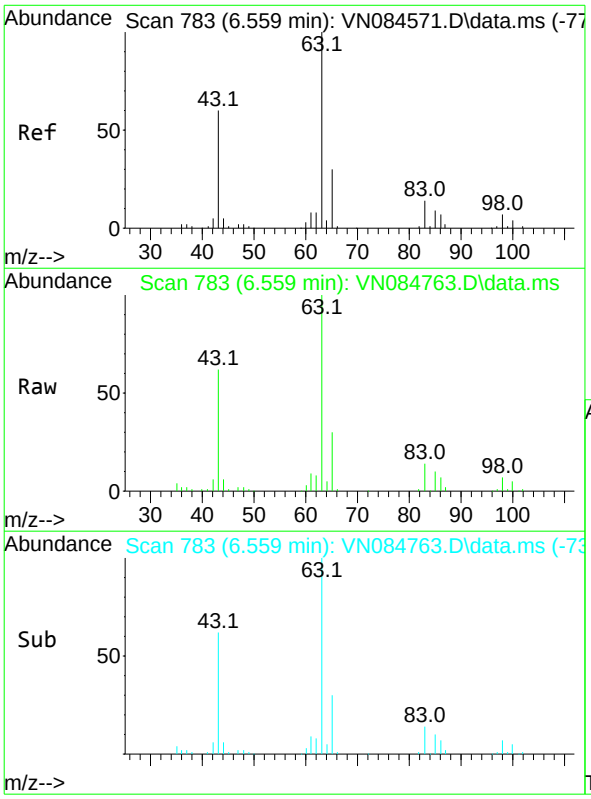
Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

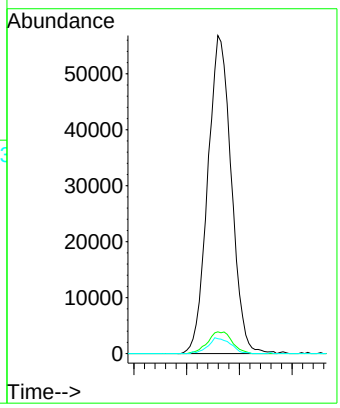
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

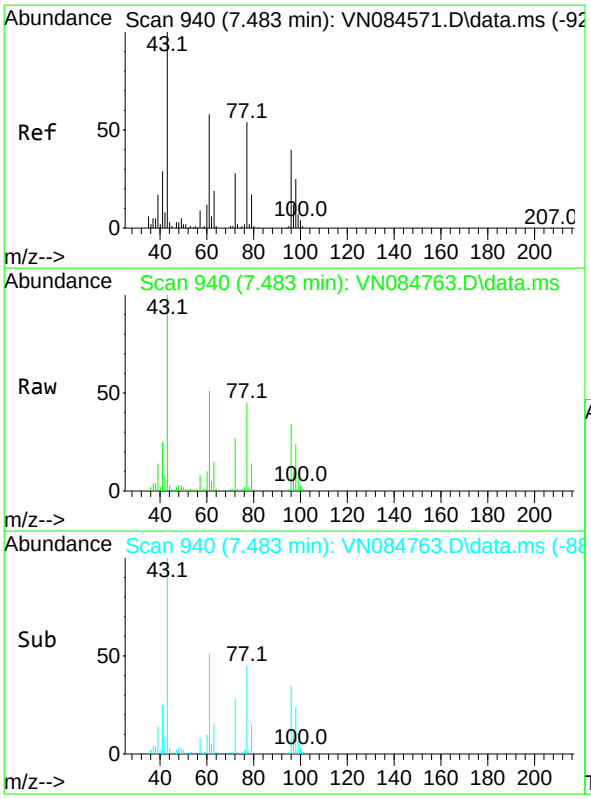


#24
1,1-Dichloroethane
Concen: 48.124 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 63 Resp: 176476

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.7	2.0	5.8

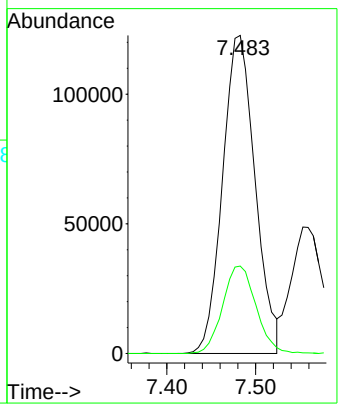




#25
2-Butanone
Concen: 278.781 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 312670

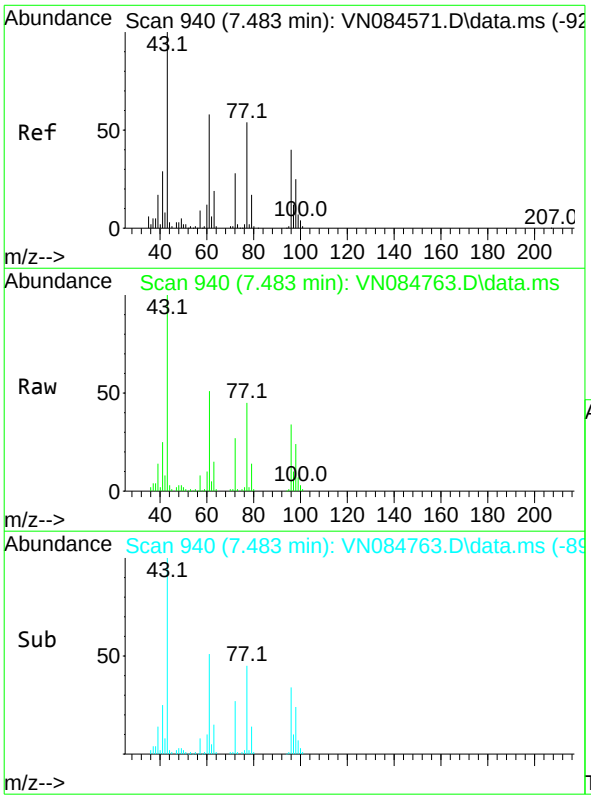
Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

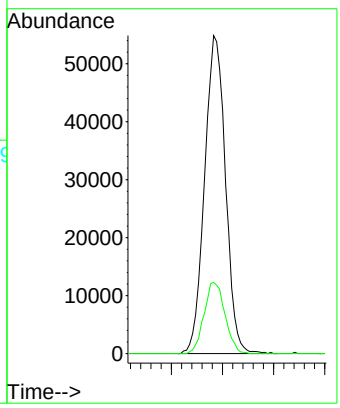
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

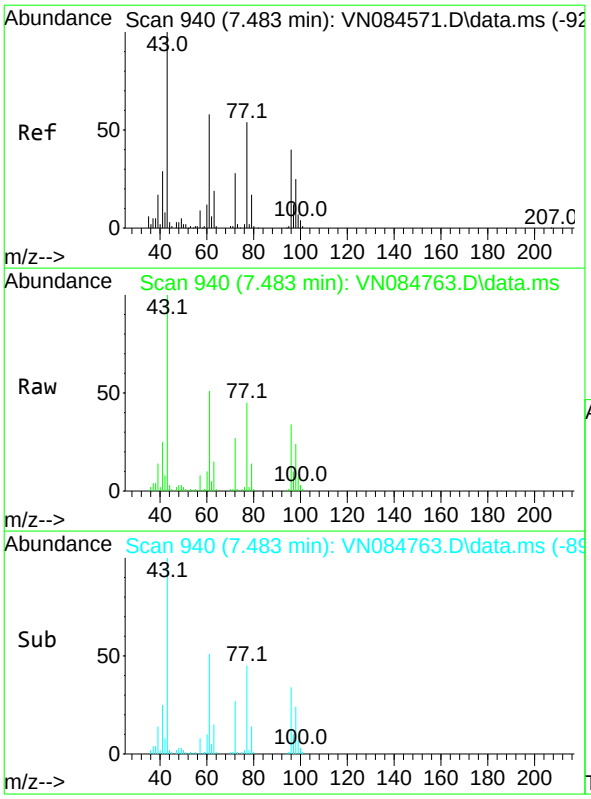


#26
2,2-Dichloropropane
Concen: 48.884 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 77 Resp: 156025

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.8	32.3

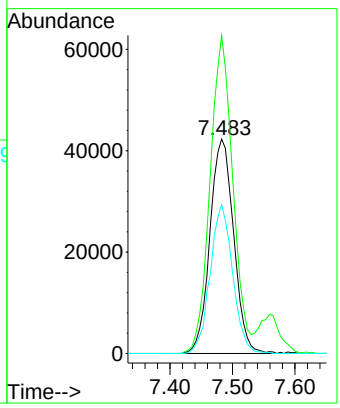




#27
cis-1,2-Dichloroethene
Concen: 49.185 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 96 Resp: 111780

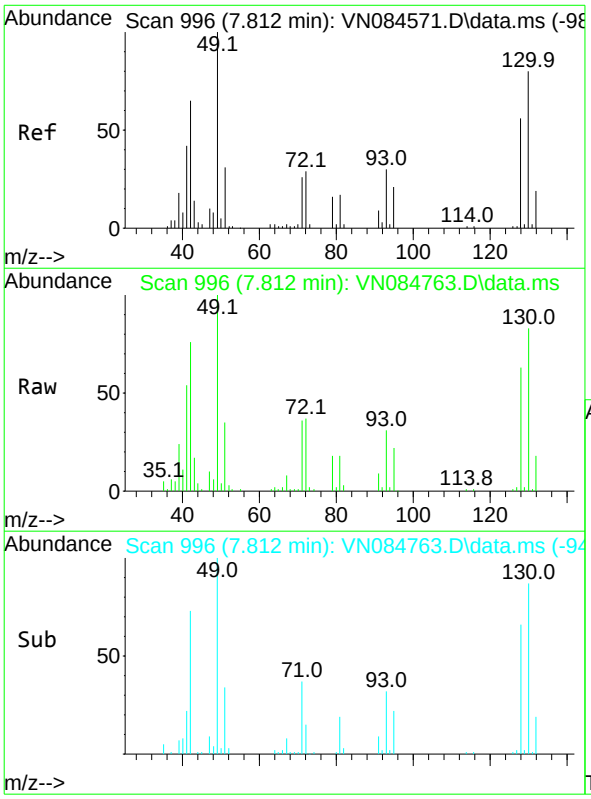
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	301.8
98	65.8	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

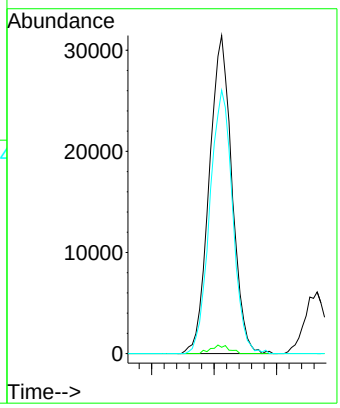
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

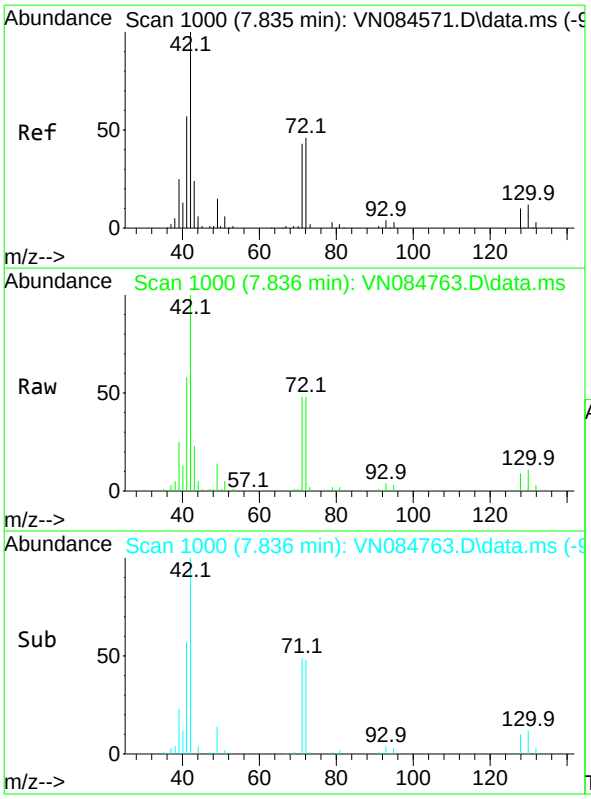


#28
Bromochloromethane
Concen: 54.304 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 49 Resp: 79339

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	83.2	58.0	87.0

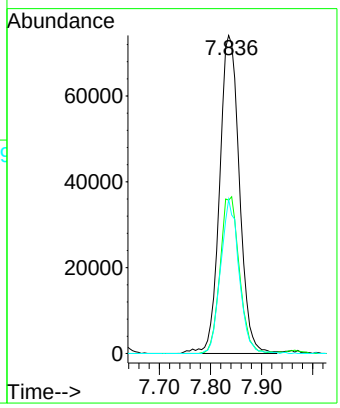




#29
Tetrahydrofuran
Concen: 267.951 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 42 Resp: 199372

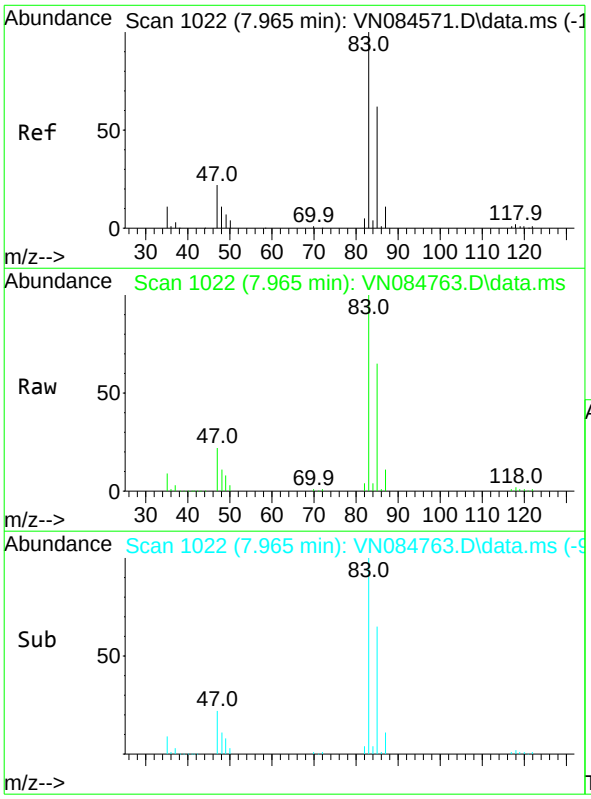
Ion	Ratio	Lower	Upper
42	100		
72	48.0	34.6	51.8
71	45.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

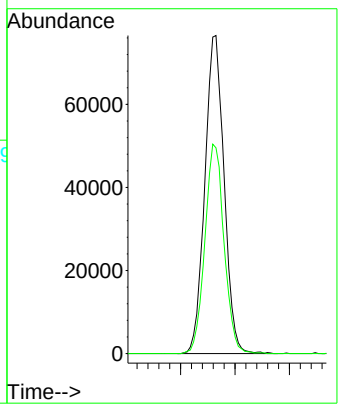
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

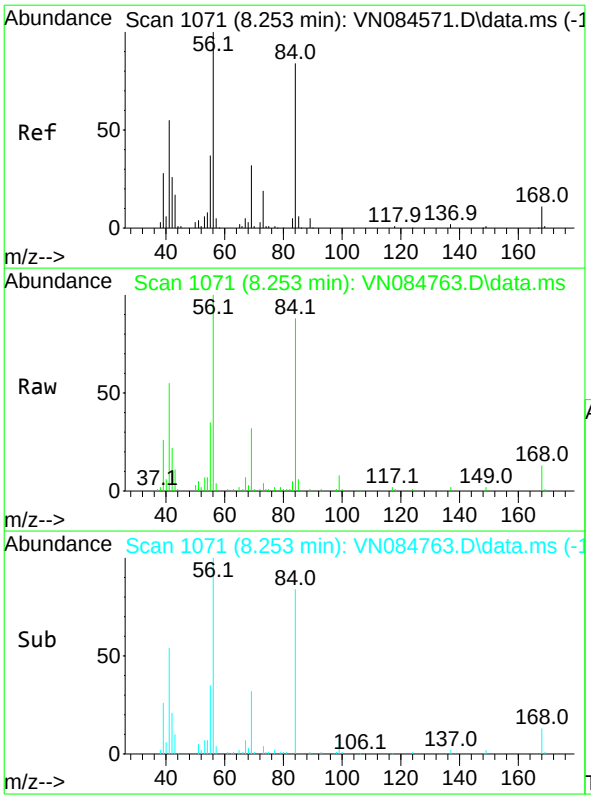


#30
Chloroform
Concen: 50.351 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 83 Resp: 187932

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4

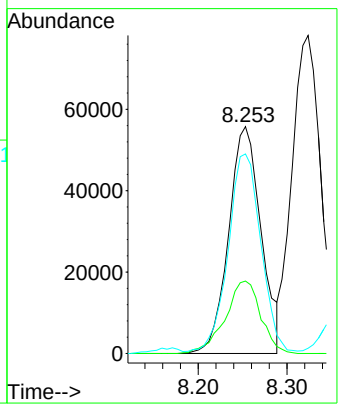




#31
Cyclohexane
Concen: 42.587 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 56 Resp: 141347

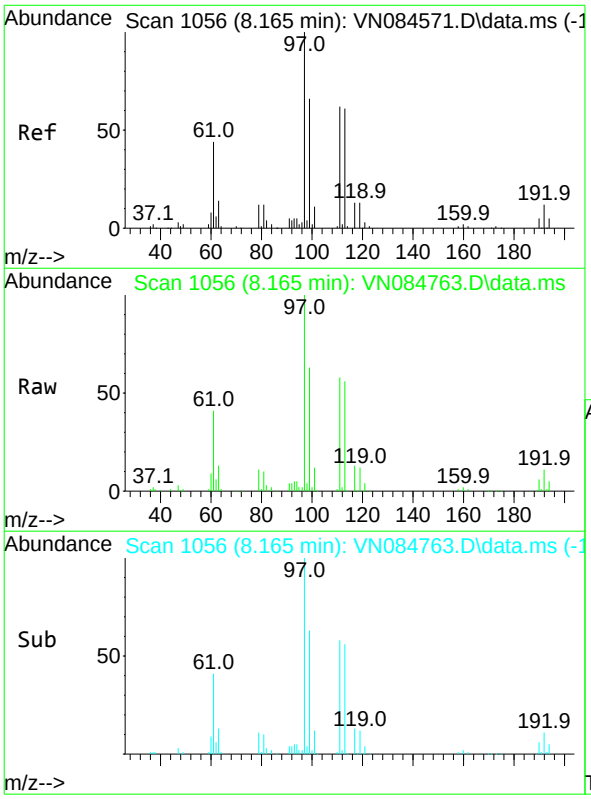
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	86.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

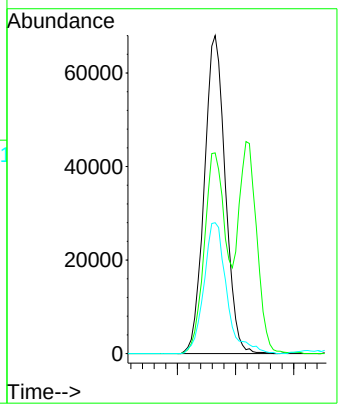
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

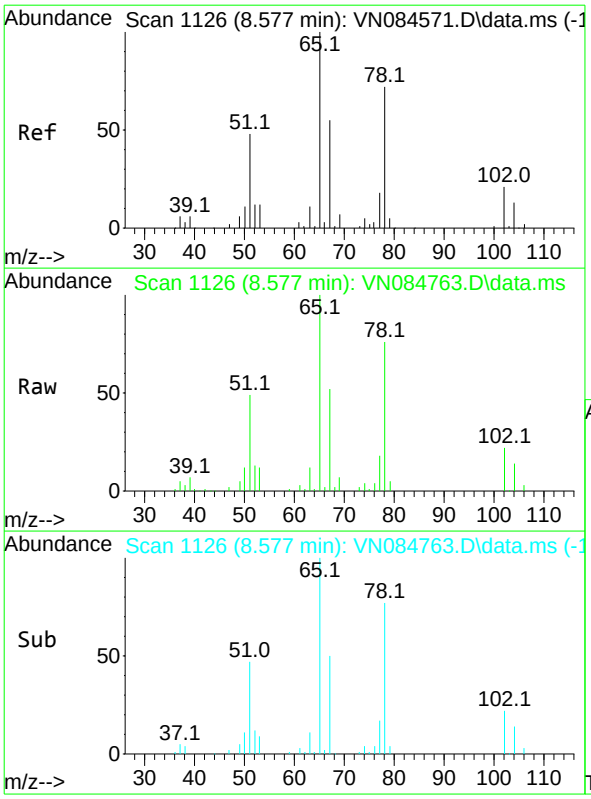


#32
1,1,1-Trichloroethane
Concen: 50.110 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 97 Resp: 170235

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	44.7	37.5	56.3

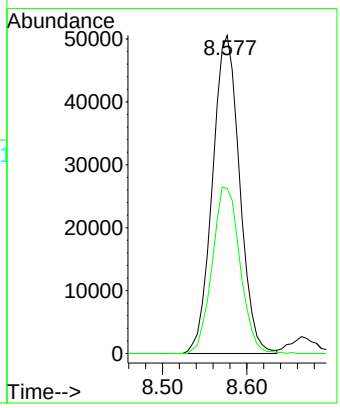




#33
1,2-Dichloroethane-d4
Concen: 47.015 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 65 Resp: 113027

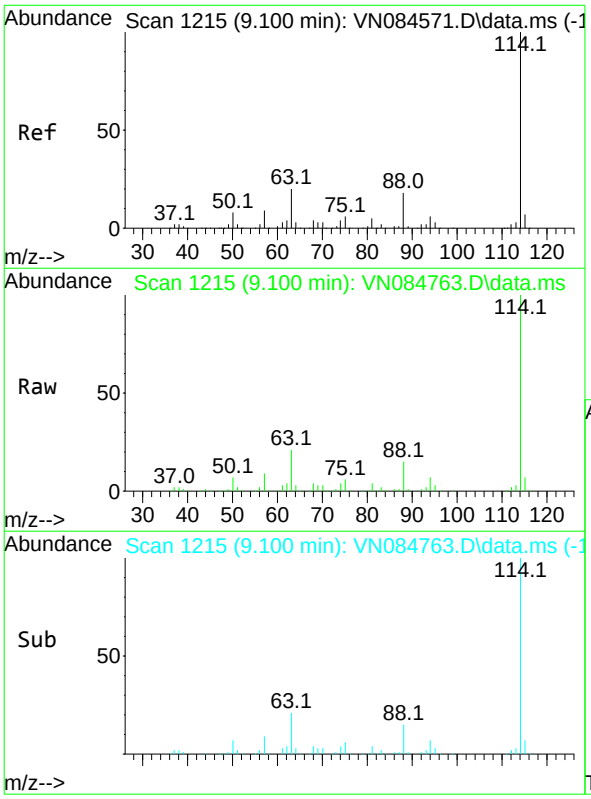
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

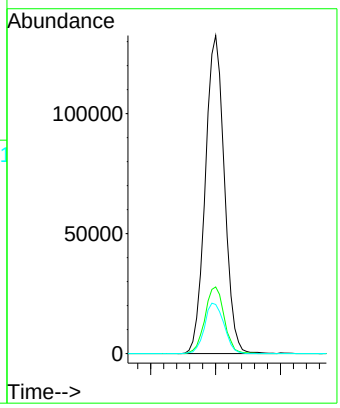
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

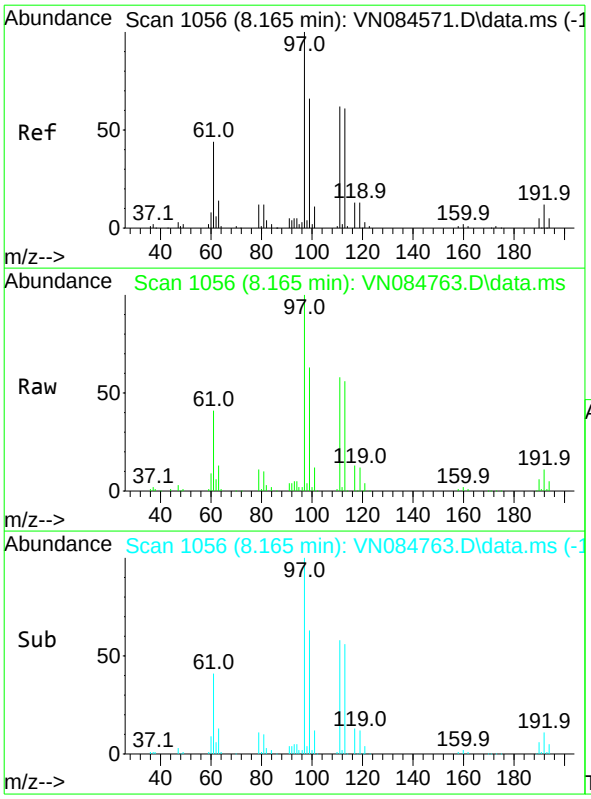


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:114 Resp: 270648

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	15.4	0.0	31.6

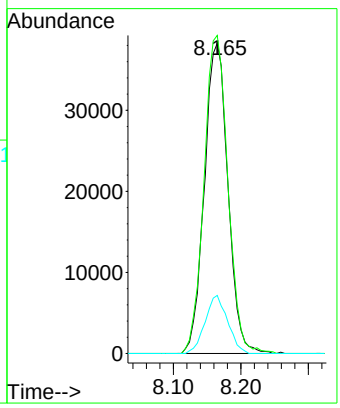




#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:113 Resp: 92661

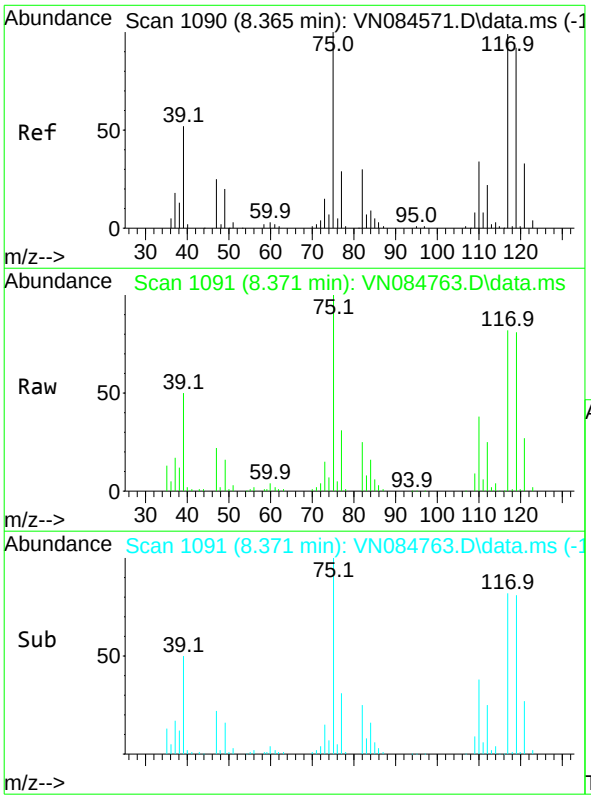
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	17.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

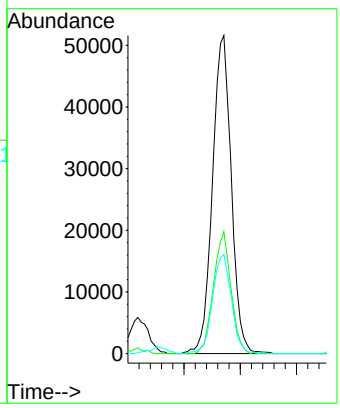
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

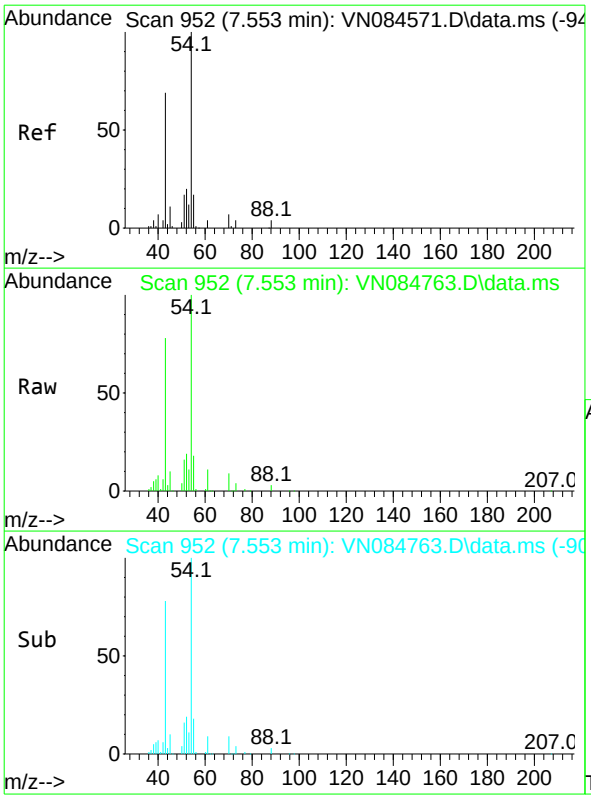


#36
1,1-Dichloropropene
Concen: 47.191 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 119899

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.9	50.7
77	31.3	24.7	37.1

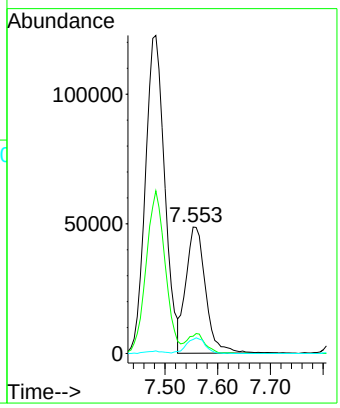




#37
Ethyl Acetate
Concen: 54.851 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 126440

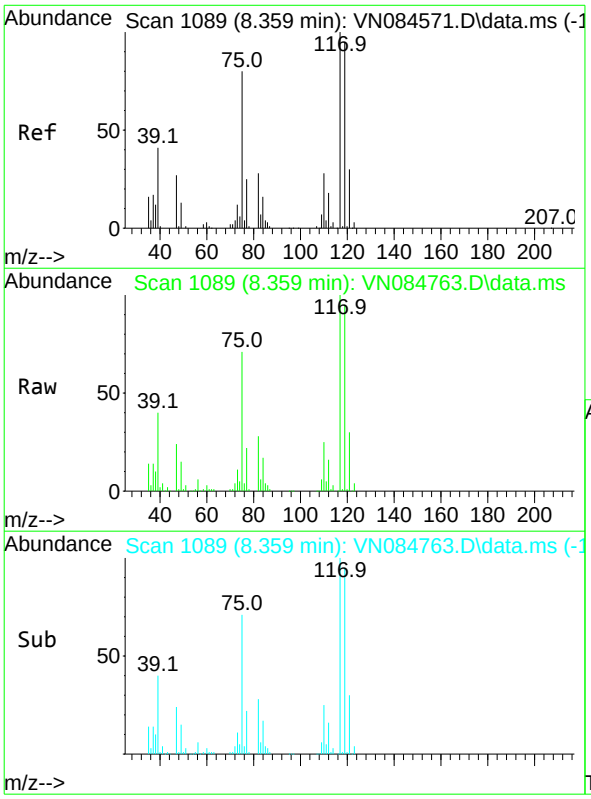
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

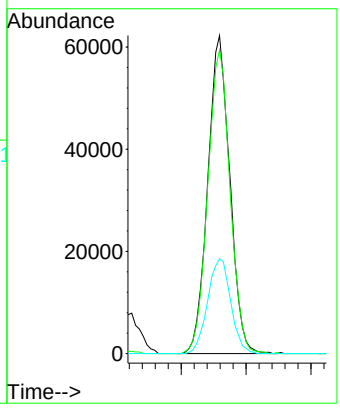
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

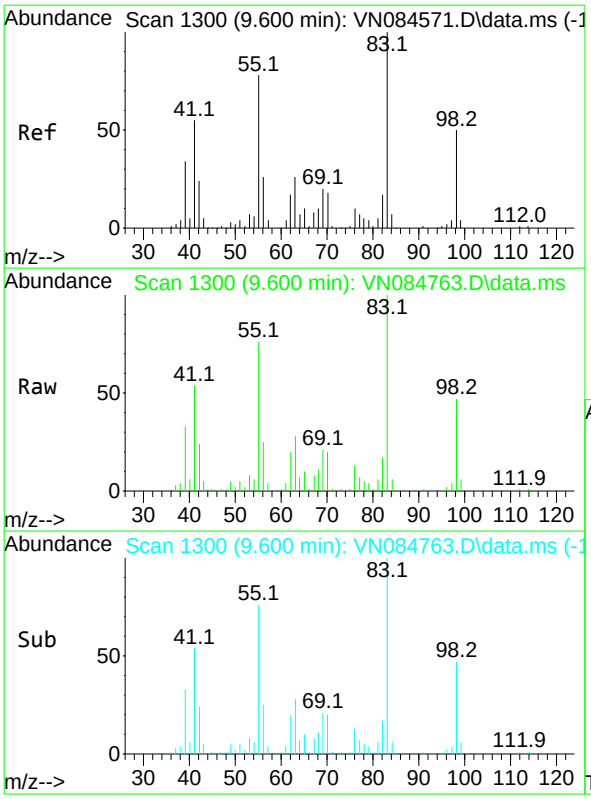


#38
Carbon Tetrachloride
Concen: 51.633 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:117 Resp: 146629

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	29.8	24.4	36.6

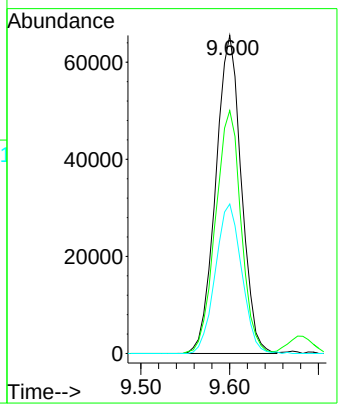




#39
Methylcyclohexane
Concen: 50.763 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 83 Resp: 131208

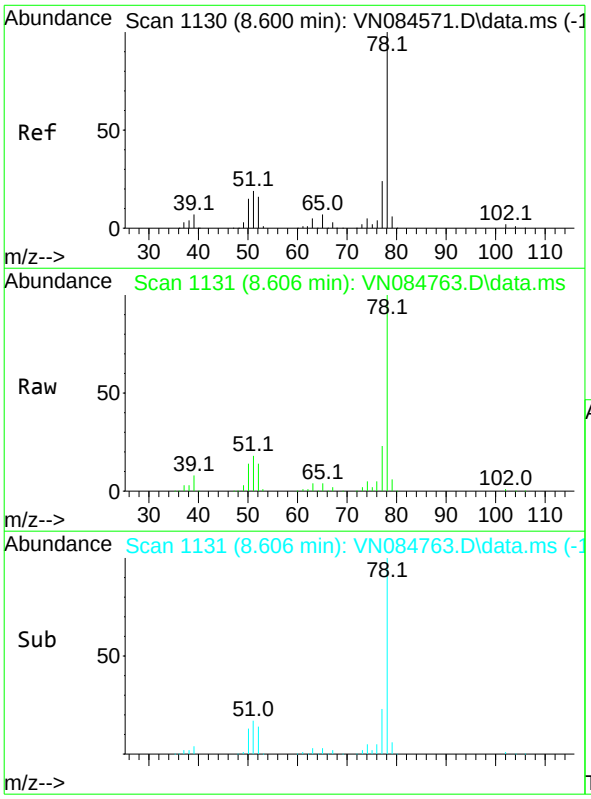
Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.8	94.2
98	47.0	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

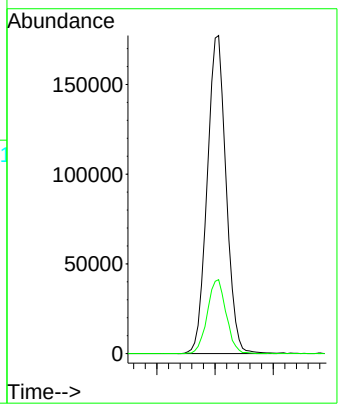
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

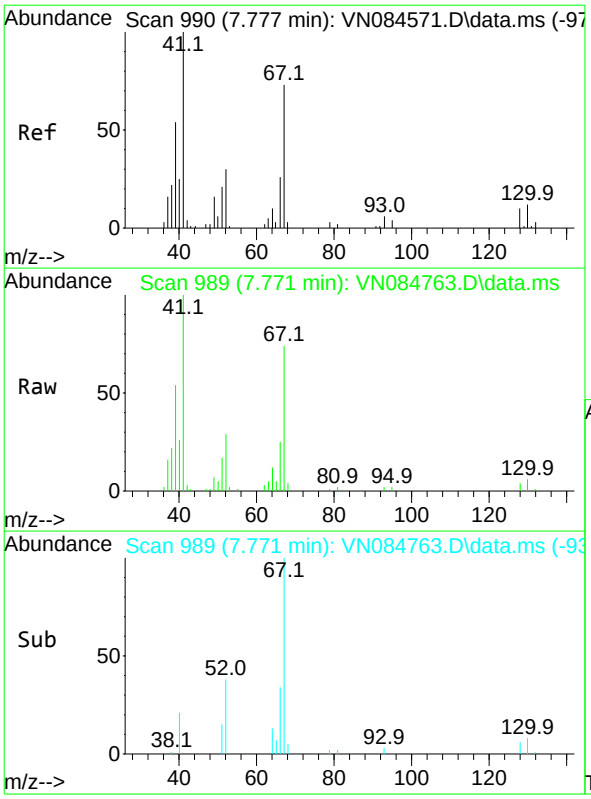


#40
Benzene
Concen: 49.035 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 78 Resp: 400092

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

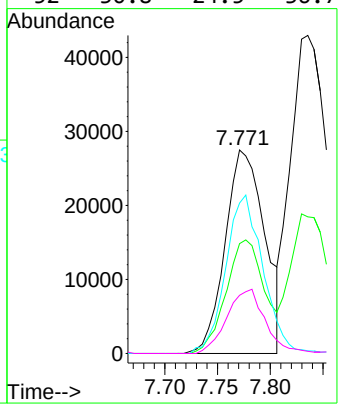




#41
Methacrylonitrile
Concen: 57.885 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 41 Resp: 71755

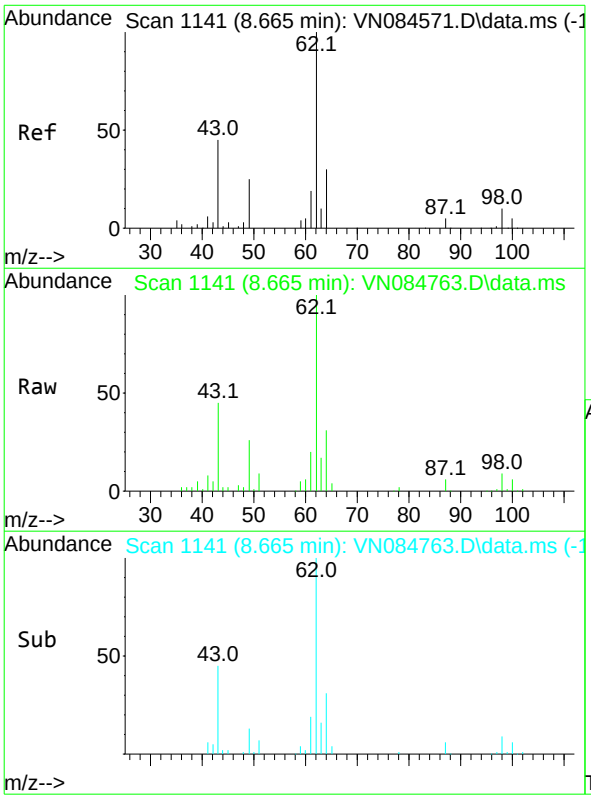
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.3	64.9
67	73.3	56.1	84.1
52	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

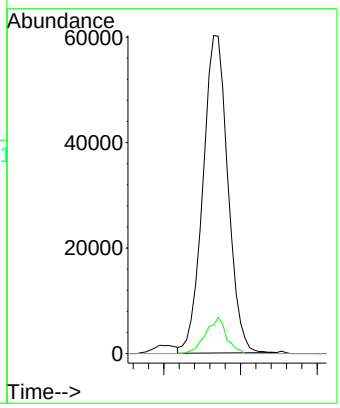
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

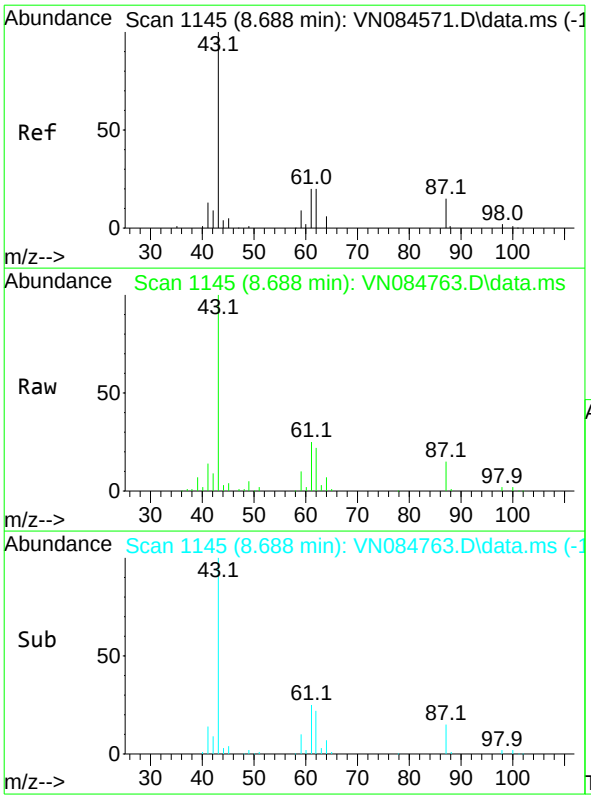


#42
1,2-Dichloroethane
Concen: 51.482 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 62 Resp: 136041

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

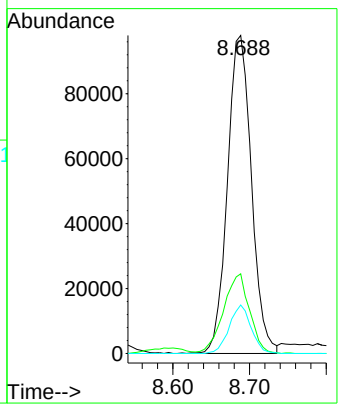




#43
Isopropyl Acetate
Concen: 50.042 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 213108

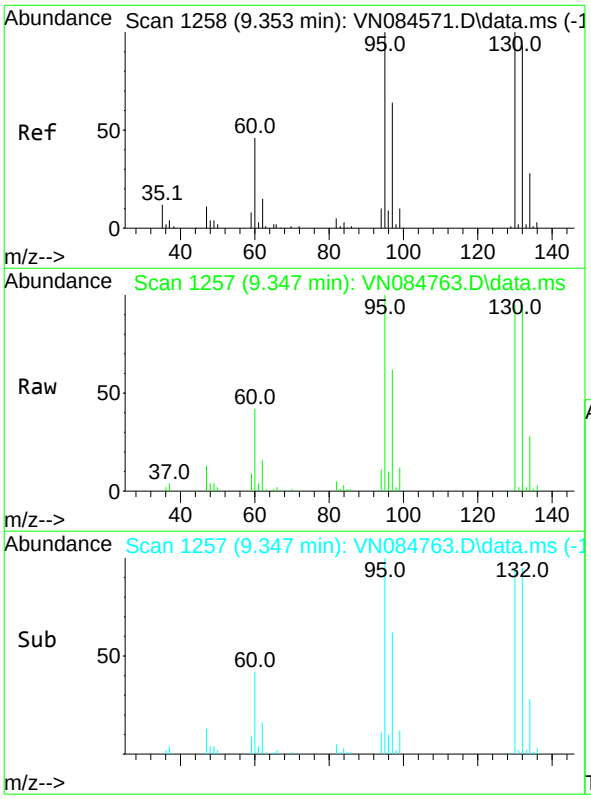
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

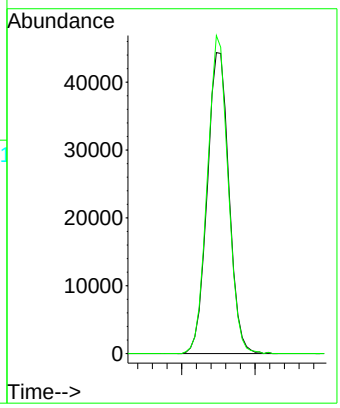
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

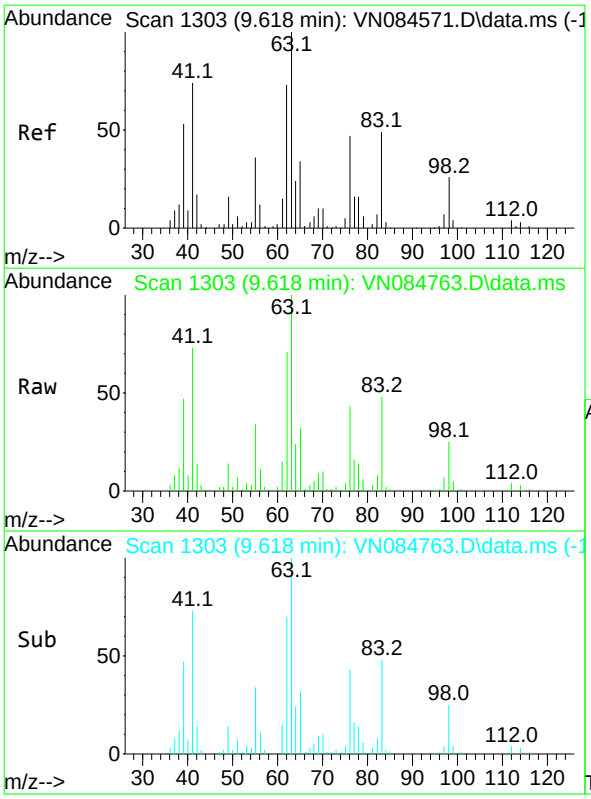


#44
Trichloroethene
Concen: 48.515 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:130 Resp: 91293

Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.0

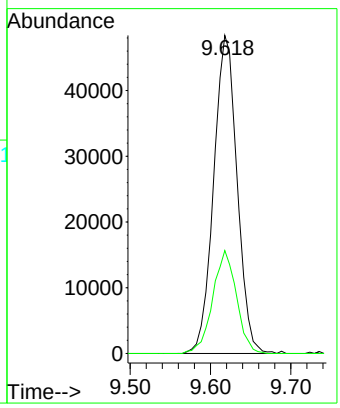




#45
1,2-Dichloropropane
Concen: 51.236 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 63 Resp: 98068

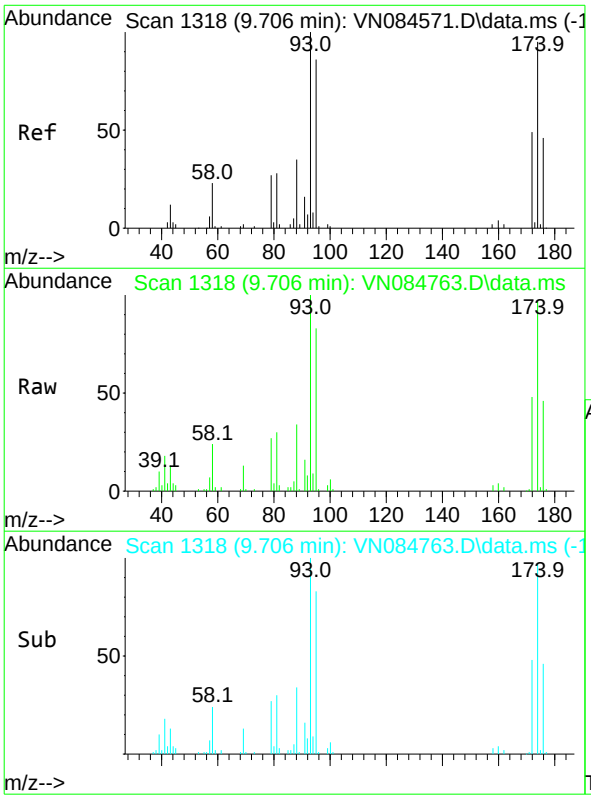
Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

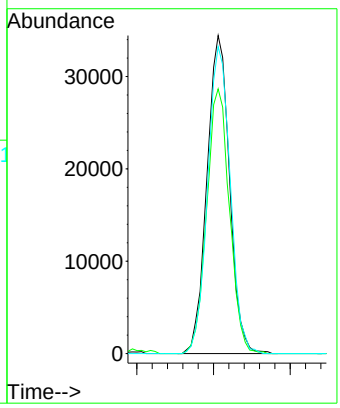
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

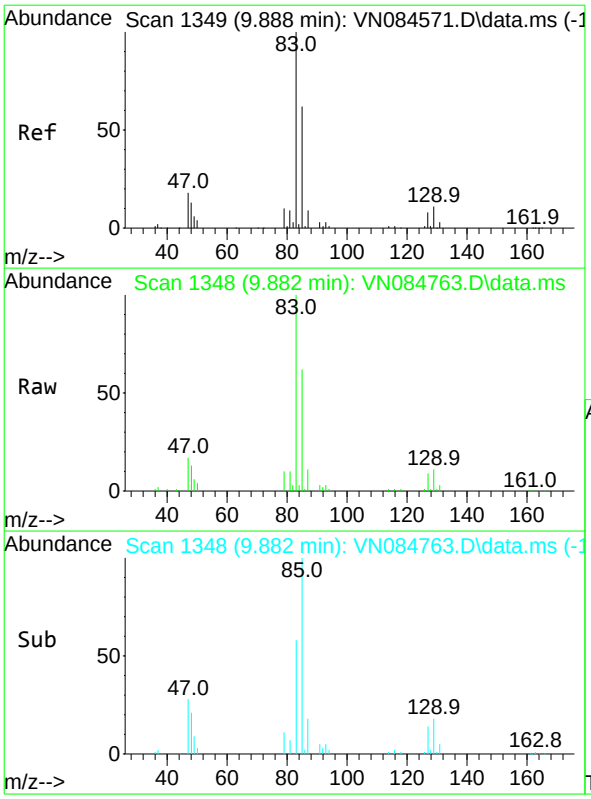


#46
Dibromomethane
Concen: 52.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 93 Resp: 70386

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.0	97.4
174	96.2	71.8	107.8

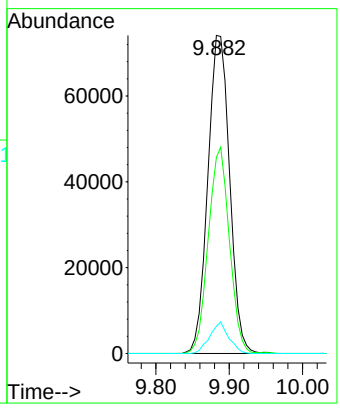




#47
Bromodichloromethane
Concen: 53.751 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 83 Resp: 153028

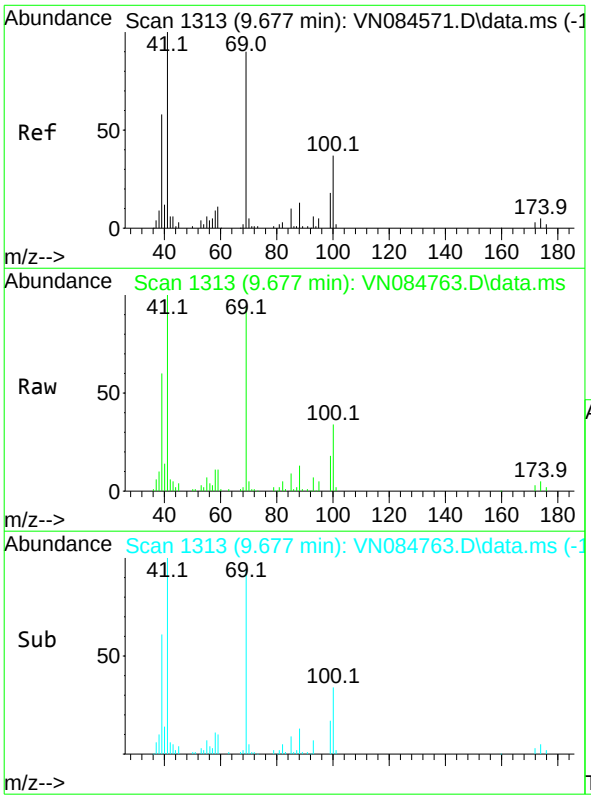
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

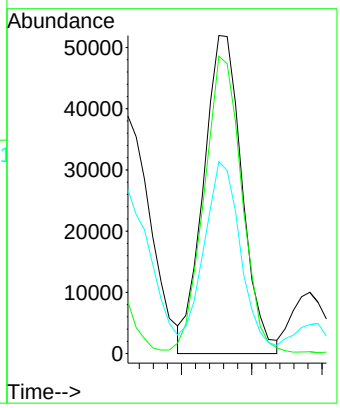
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

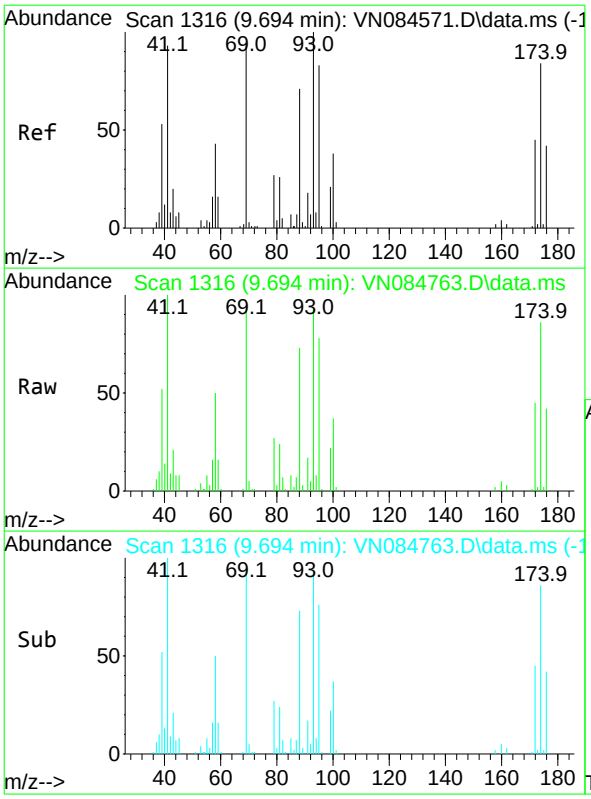


#48
Methyl methacrylate
Concen: 55.006 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 41 Resp: 98683

Ion	Ratio	Lower	Upper
41	100		
69	92.7	67.1	100.7
39	58.7	45.8	68.6

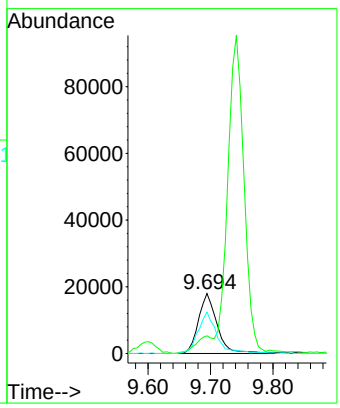




#49
1,4-Dioxane
Concen: 1173.486 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 88 Resp: 37307

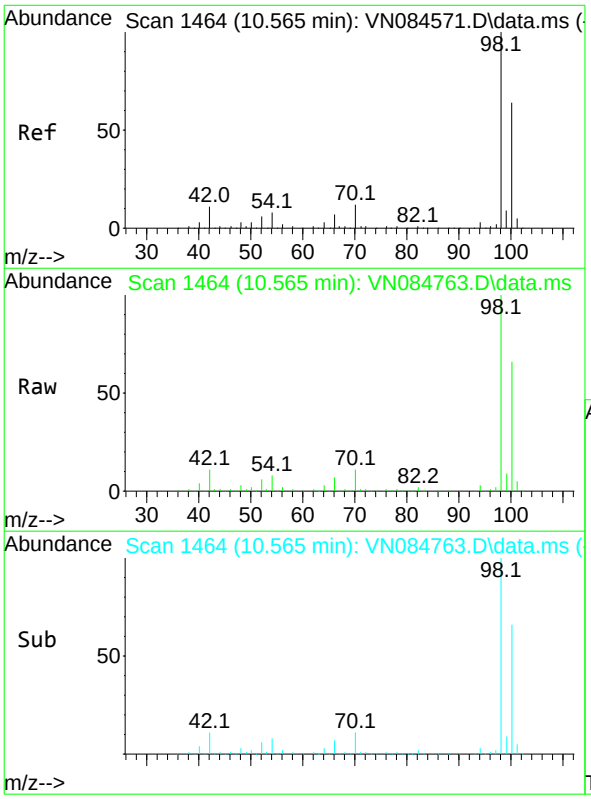
Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.3	37.9
58	70.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

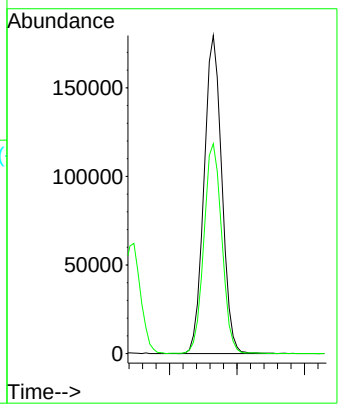
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

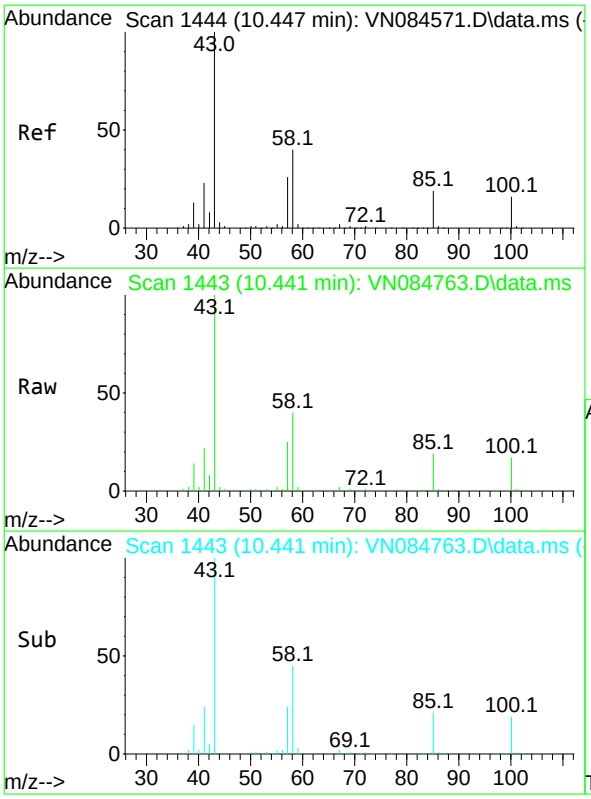


#50
Toluene-d8
Concen: 48.687 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 98 Resp: 328558

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1

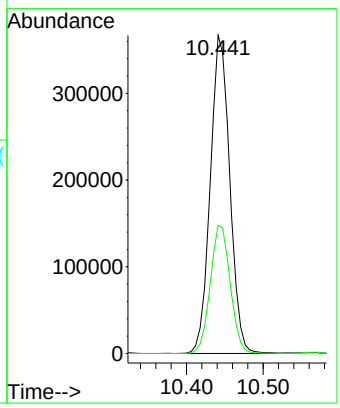




#51
4-Methyl-2-Pentanone
Concen: 294.690 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 647585

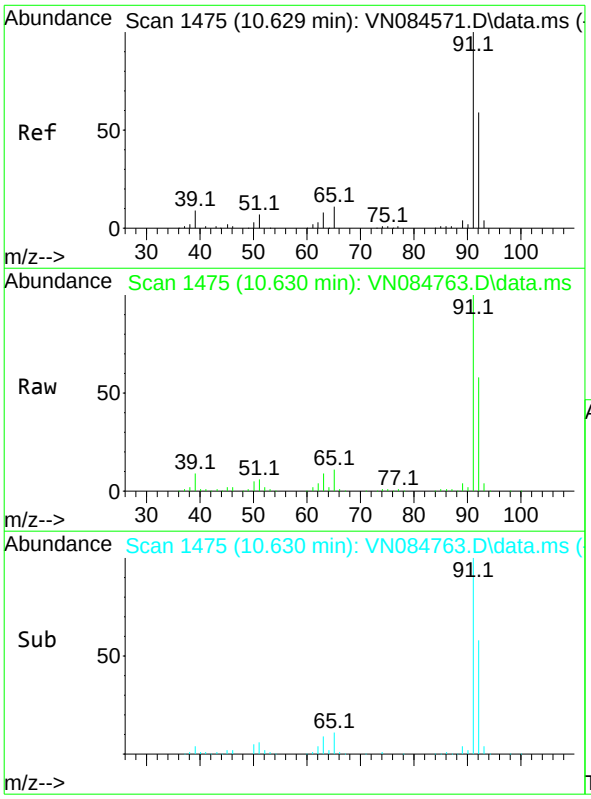
Ion	Ratio	Lower	Upper
43	100		
58	41.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

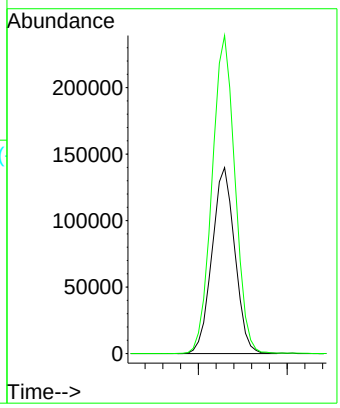
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

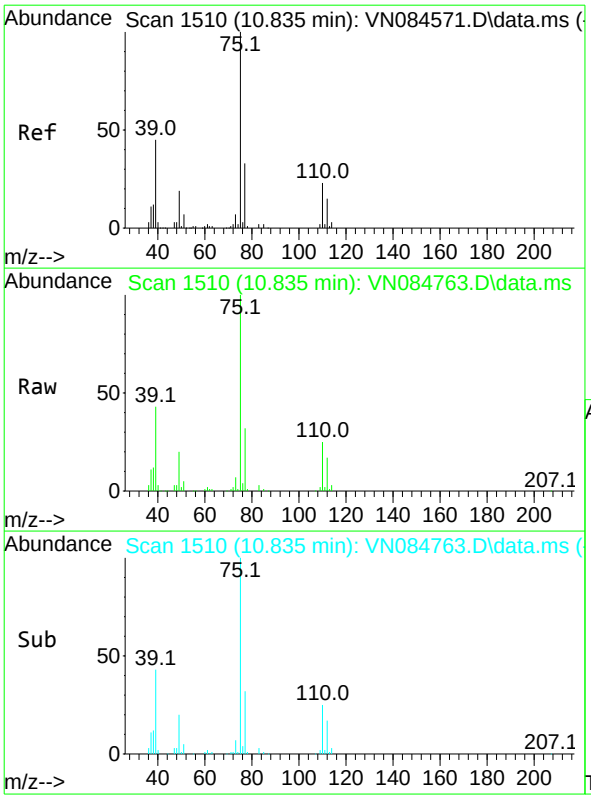


#52
Toluene
Concen: 52.263 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 92 Resp: 249401

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.3	205.9

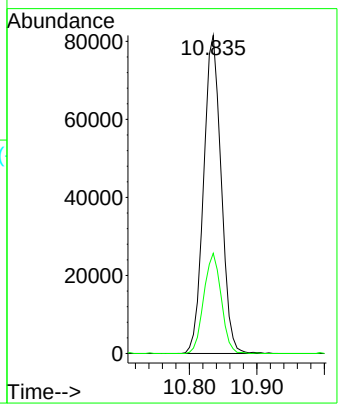




#53
t-1,3-Dichloropropene
Concen: 49.888 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 147017

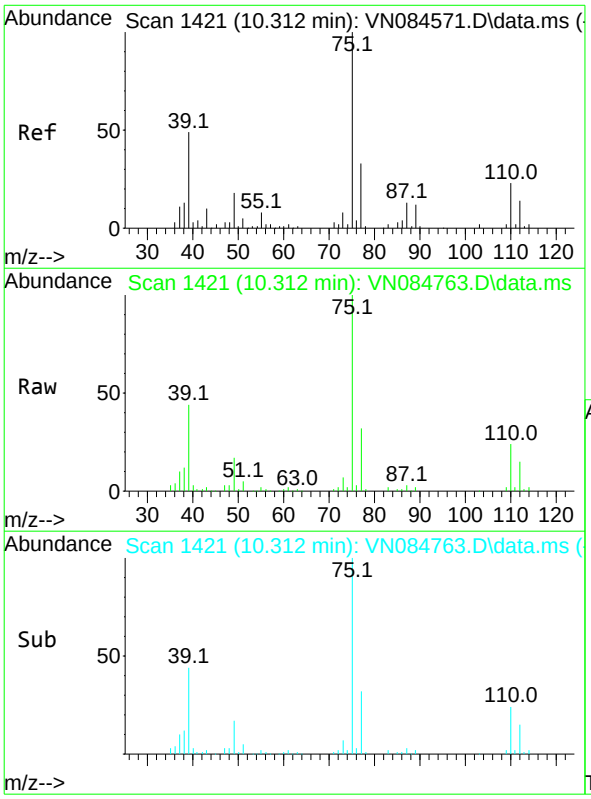
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

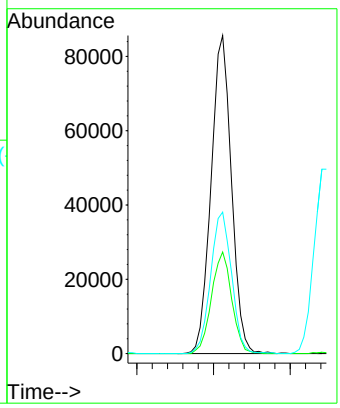
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

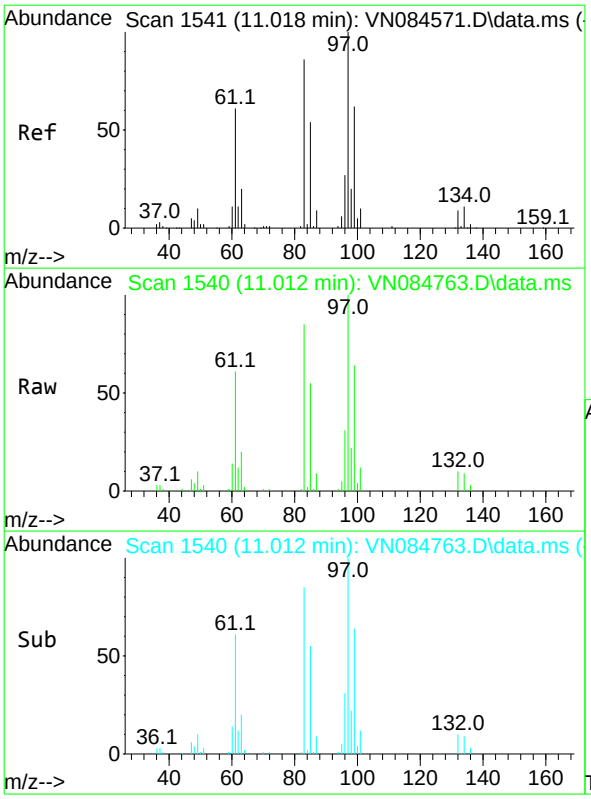


#54
cis-1,3-Dichloropropene
Concen: 50.677 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 158062

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.2	36.2
39	44.5	38.7	58.1

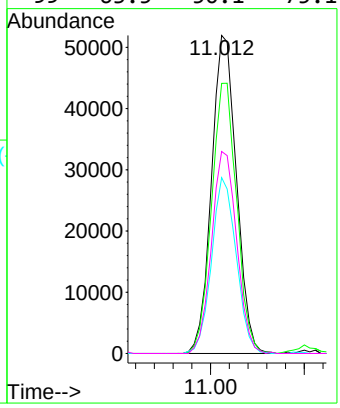




#55
1,1,2-Trichloroethane
Concen: 53.508 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 97 Resp: 96183

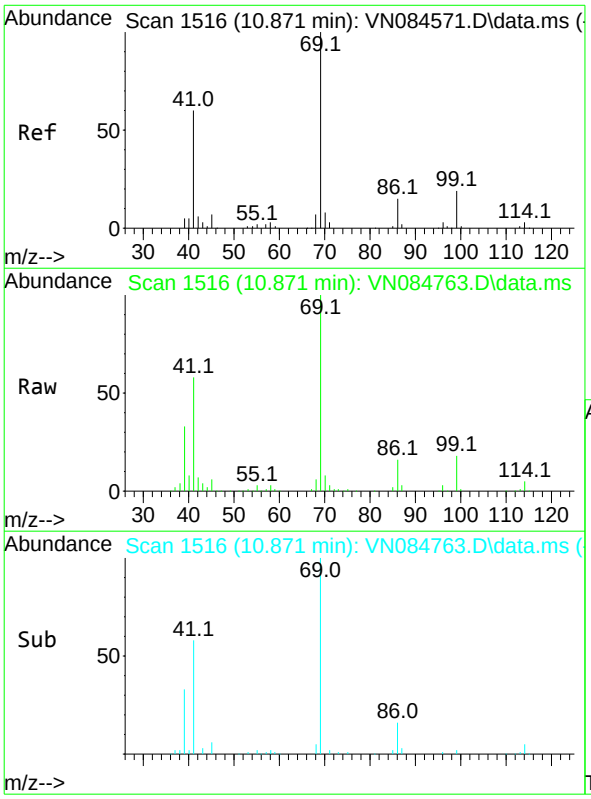
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	55.3	41.7	62.5
99	63.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

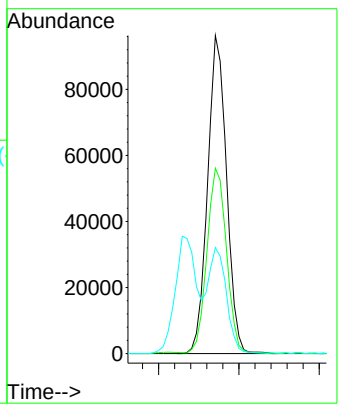
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

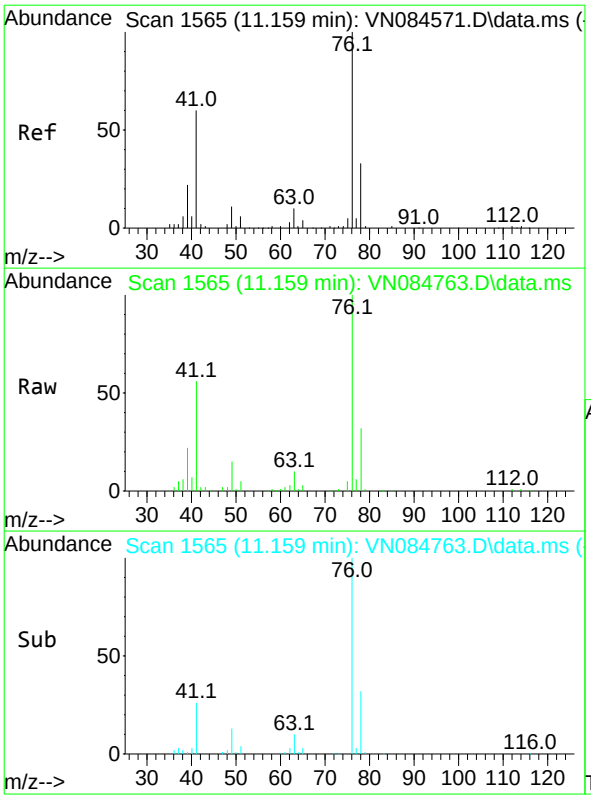


#56
Ethyl methacrylate
Concen: 60.744 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 69 Resp: 157941

Ion	Ratio	Lower	Upper
69	100		
41	60.3	53.3	79.9
39	32.9	28.8	43.2

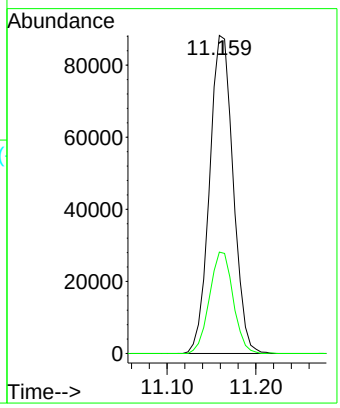




#57
1,3-Dichloropropane
Concen: 52.786 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 76 Resp: 162845

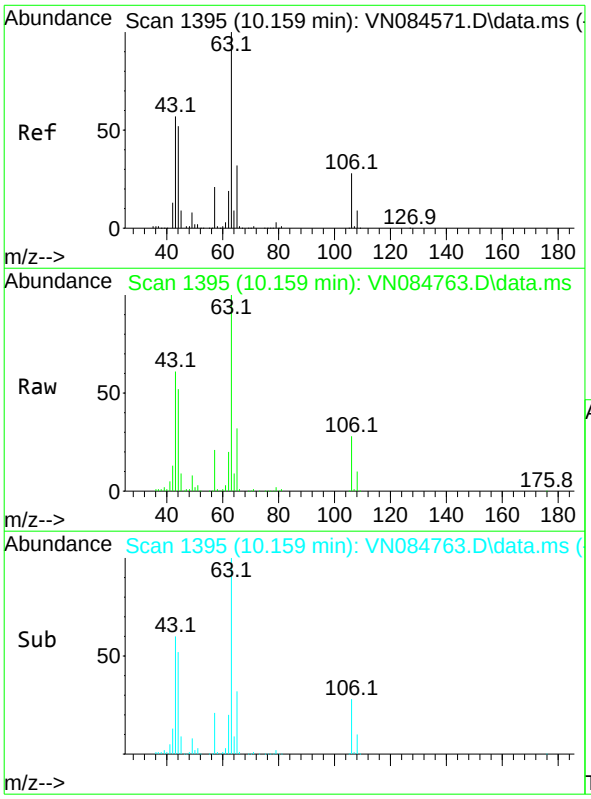
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

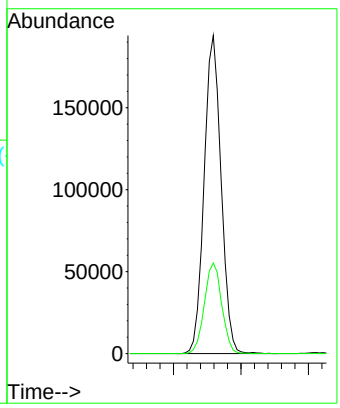
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

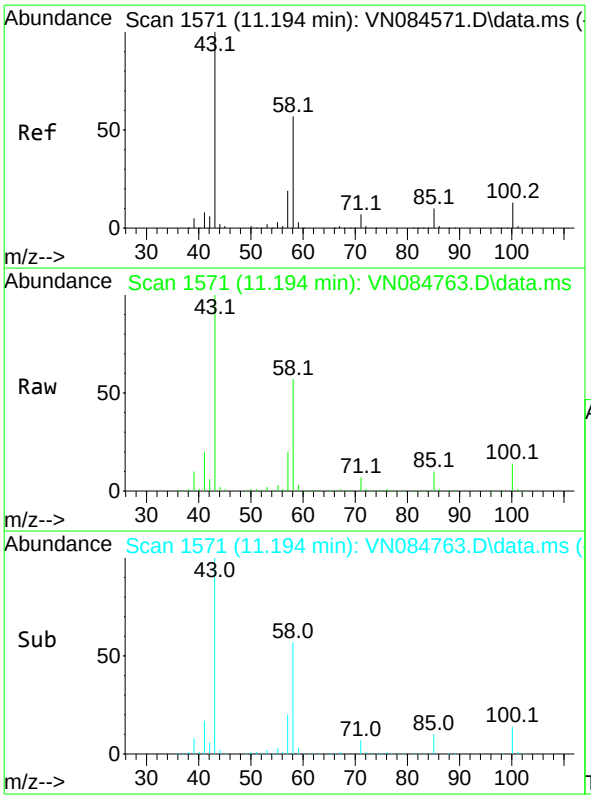


#58
2-Chloroethyl Vinyl ether
Concen: 278.300 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 63 Resp: 338599

Ion	Ratio	Lower	Upper
63	100		
106	29.1	21.8	32.6

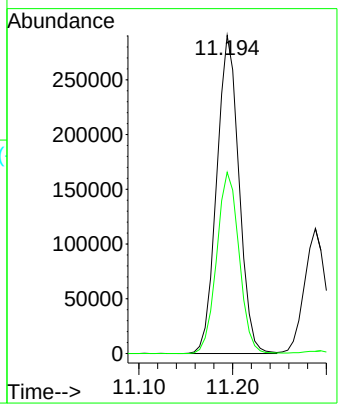




#59
2-Hexanone
Concen: 299.154 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 478507

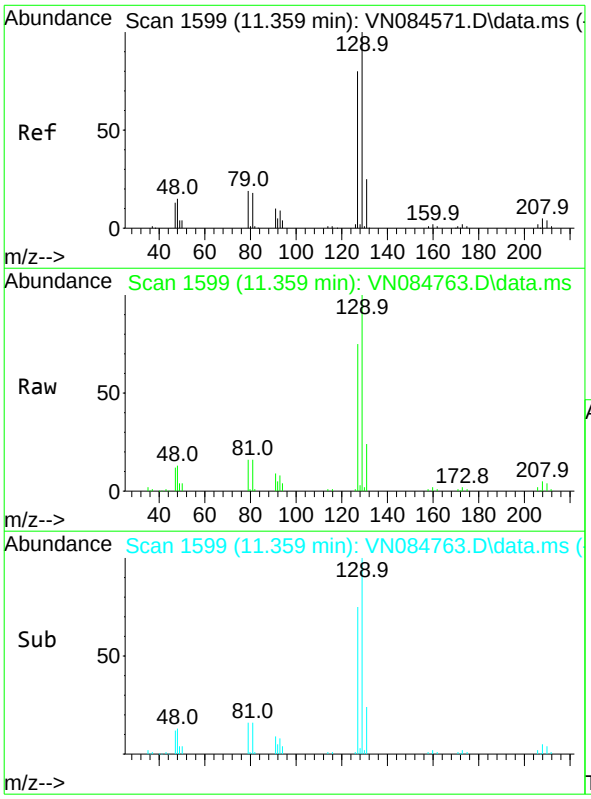
Ion	Ratio	Lower	Upper
43	100		
58	57.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

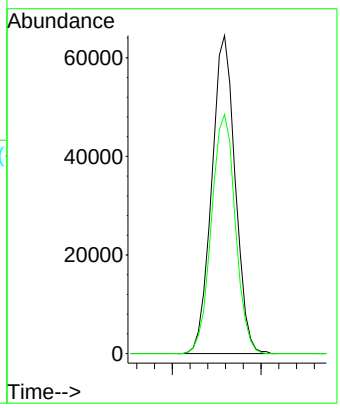
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

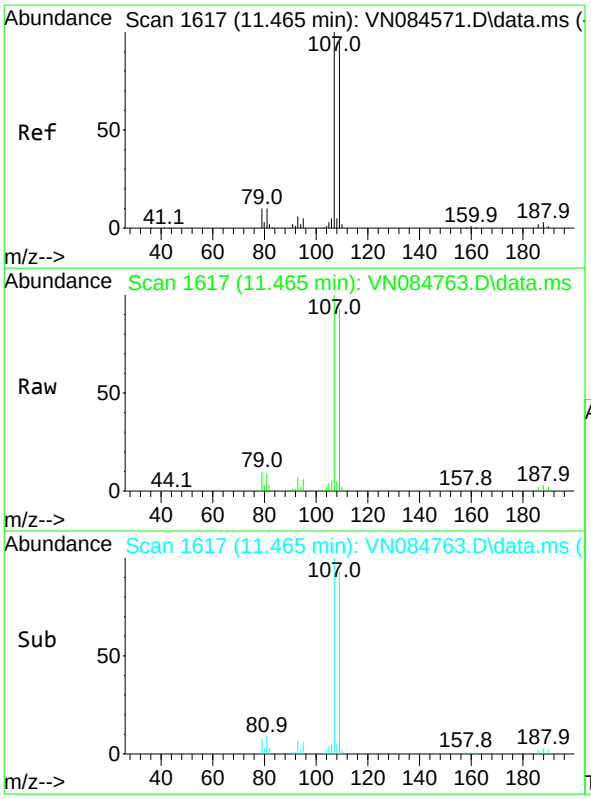


#60
Dibromochloromethane
Concen: 57.750 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:129 Resp: 118310

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

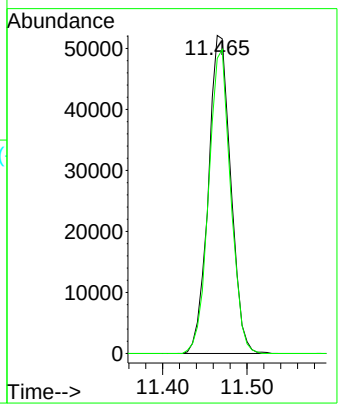




#61
1,2-Dibromoethane
Concen: 52.293 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:107 Resp: 96259

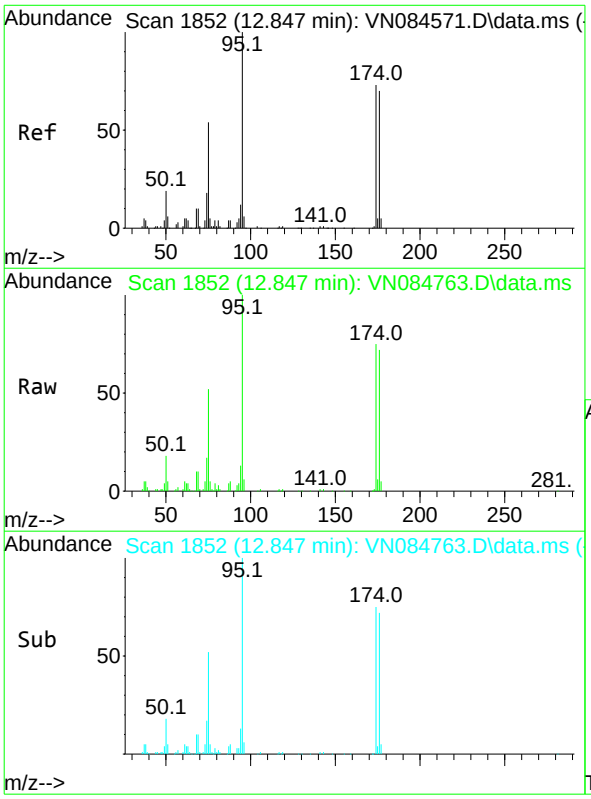
Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

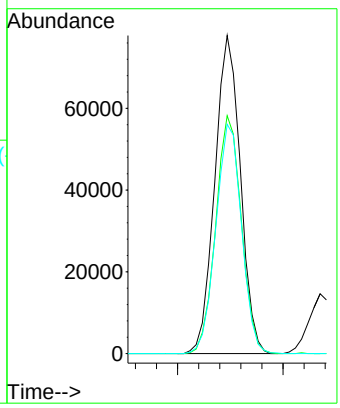
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

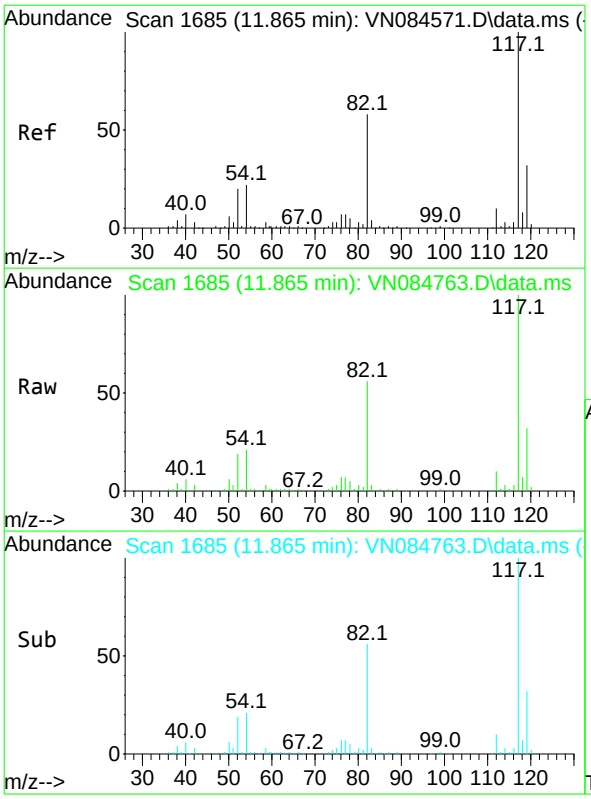


#62
4-Bromofluorobenzene
Concen: 51.967 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 95 Resp: 131064

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	72.4	0.0	140.0

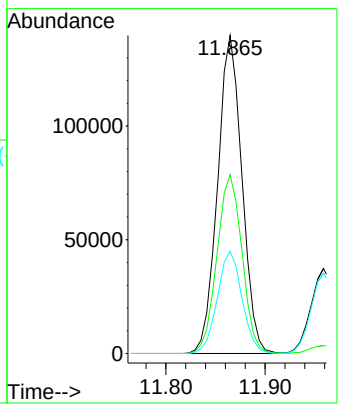




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:117 Resp: 238712

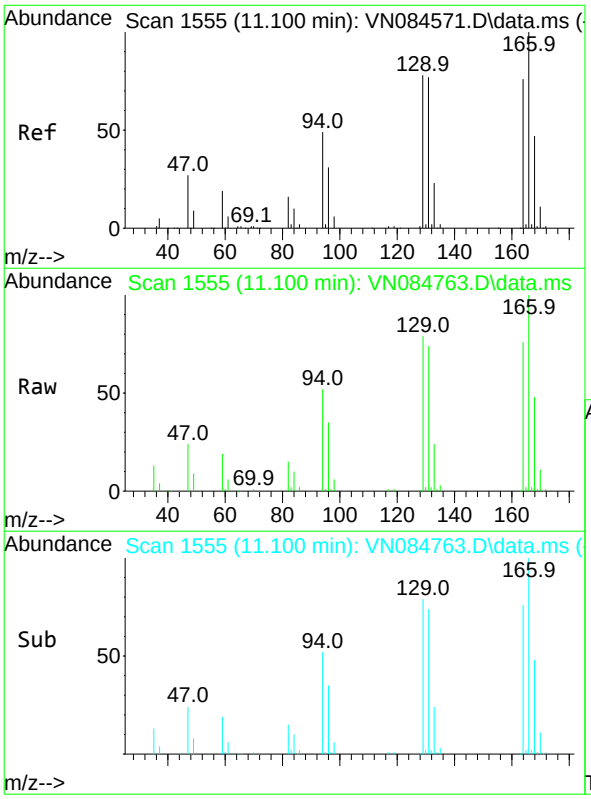
Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.2	70.8
119	32.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

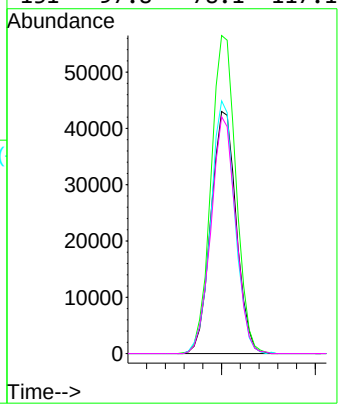
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

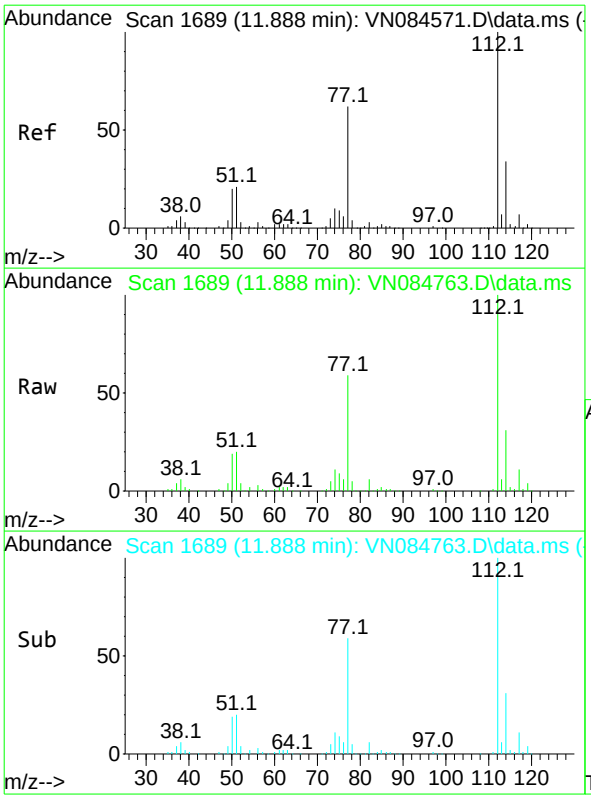


#64
Tetrachloroethene
Concen: 50.742 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:164 Resp: 80569

Ion	Ratio	Lower	Upper
164	100		
166	131.4	101.0	151.4
129	104.4	80.8	121.2
131	97.8	78.1	117.1

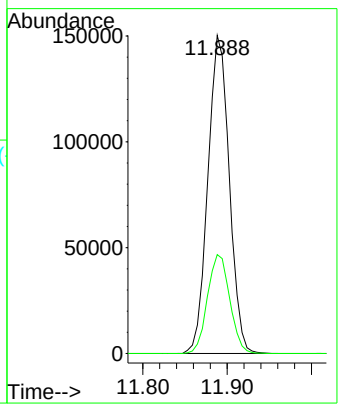




#65
Chlorobenzene
Concen: 49.619 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:112 Resp: 264984

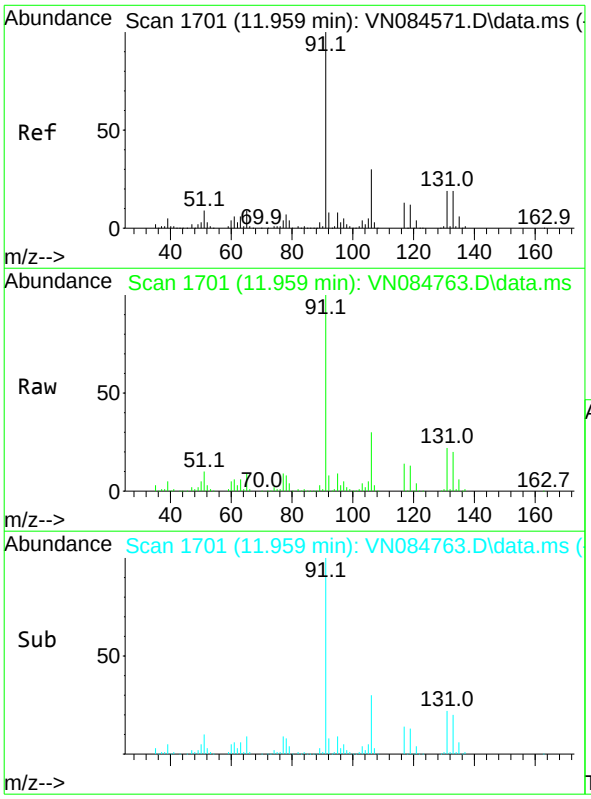
Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

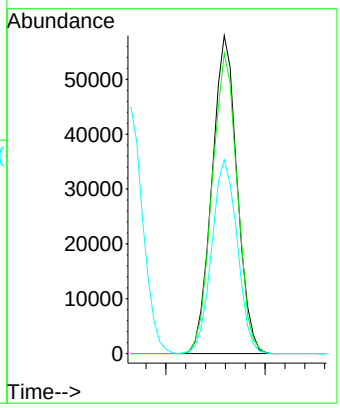
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

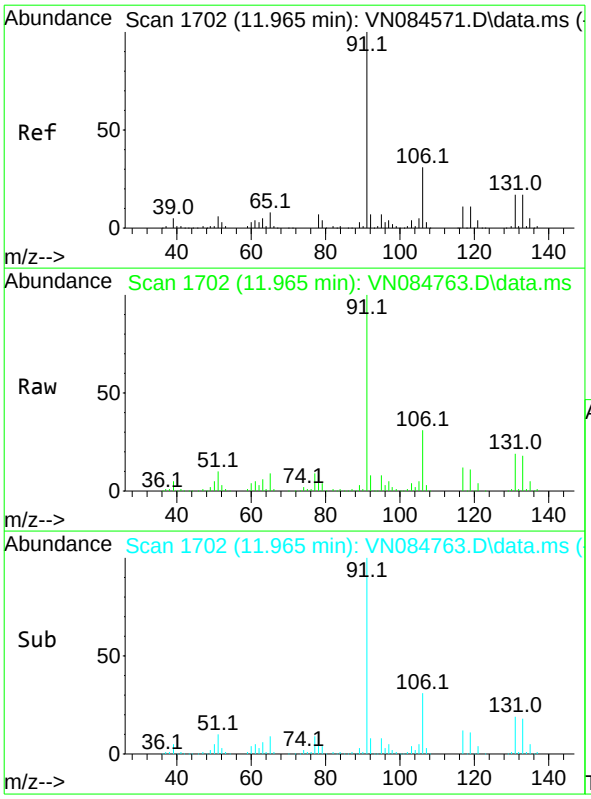


#66
1,1,1,2-Tetrachloroethane
Concen: 54.732 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:131 Resp: 101669

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.7
119	62.1	32.8	98.3

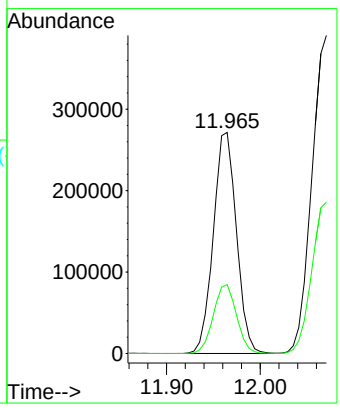




#67
Ethyl Benzene
Concen: 52.251 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 465784

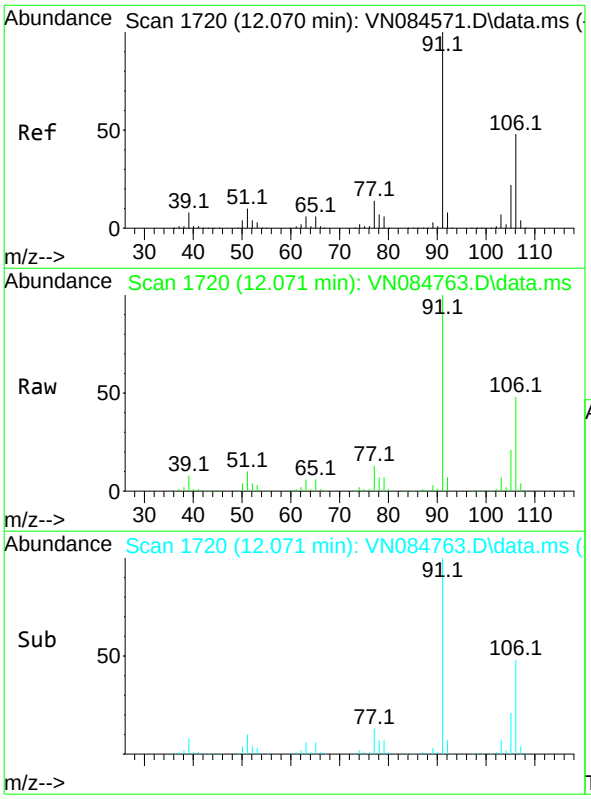
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

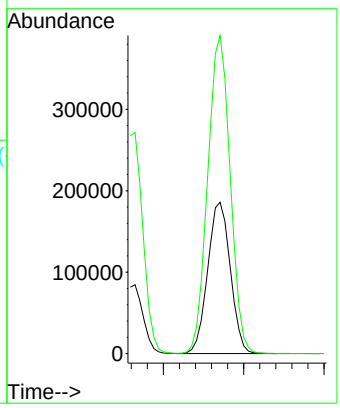
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

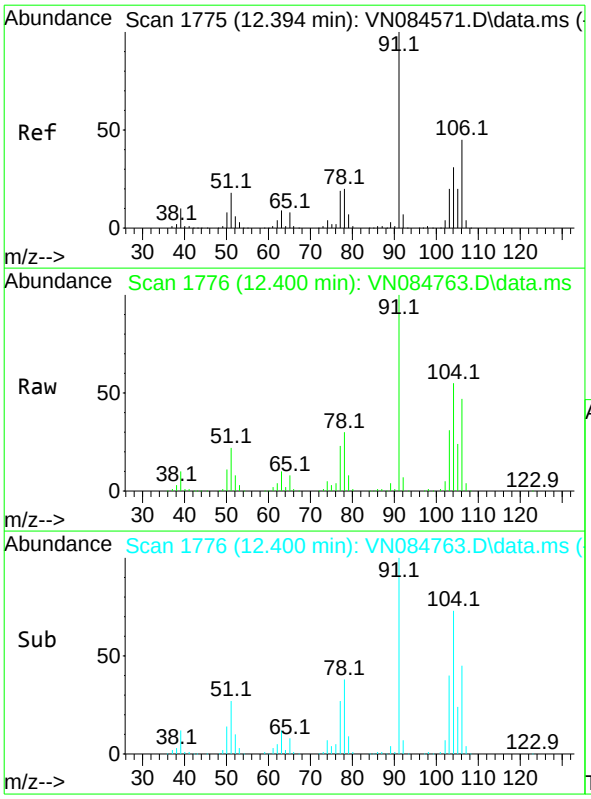


#68
m/p-Xylenes
Concen: 107.734 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:106 Resp: 363586

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.1	250.7

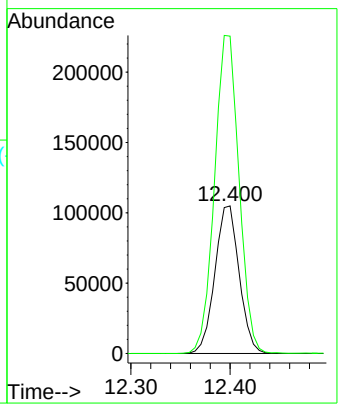




#69
o-Xylene
Concen: 56.617 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:106 Resp: 178745

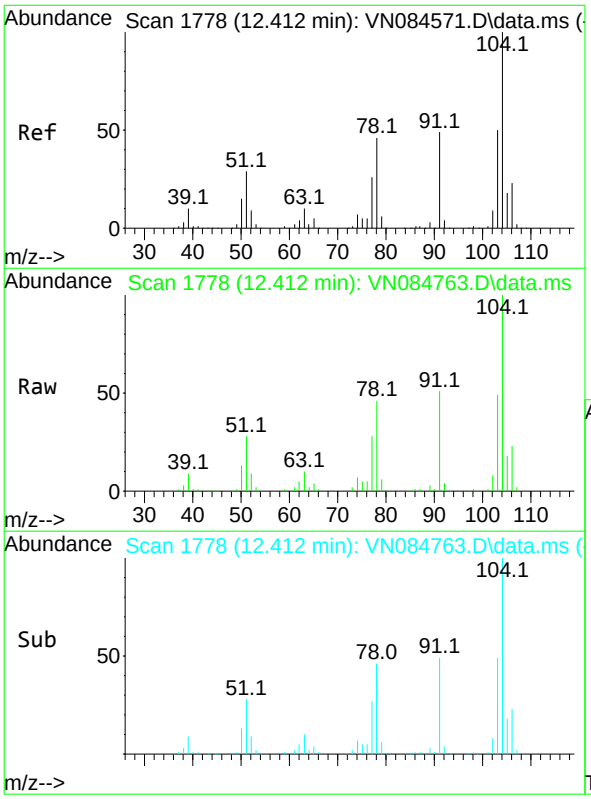
Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

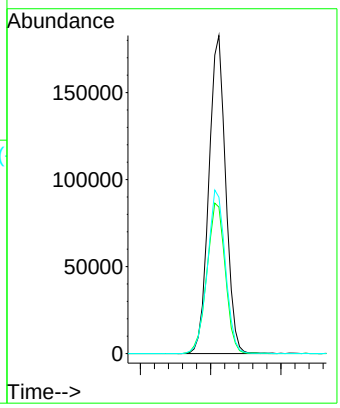
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

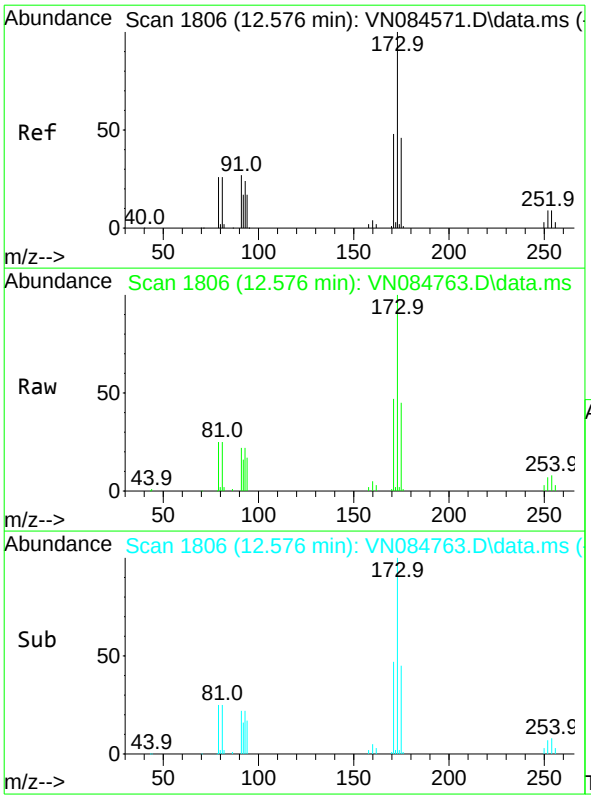


#70
Styrene
Concen: 55.134 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:104 Resp: 303645

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.7	64.1
103	55.2	43.6	65.4

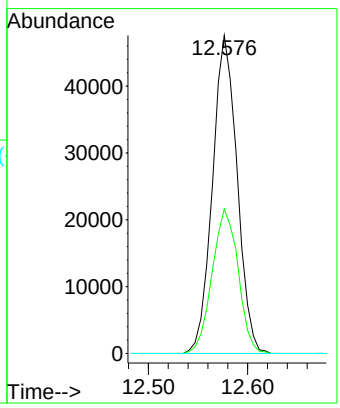




#71
Bromoform
Concen: 58.721 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:173 Resp: 82078

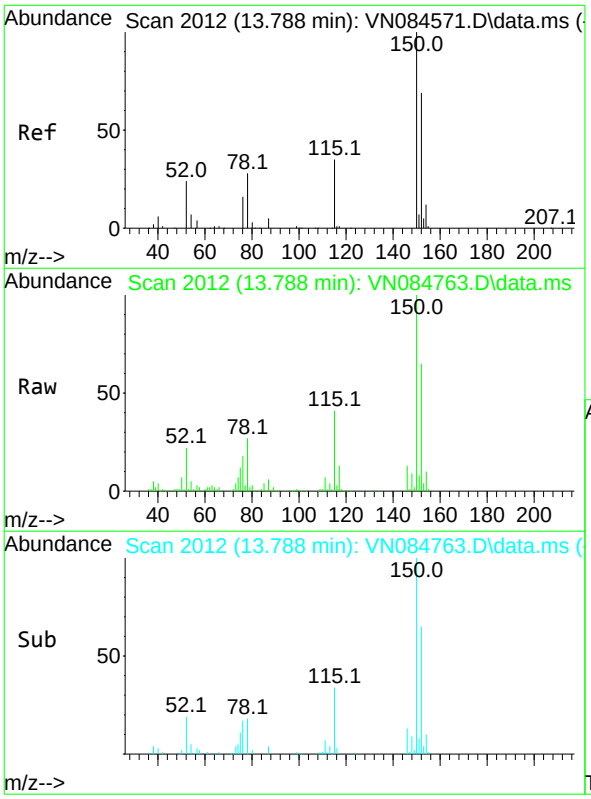
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

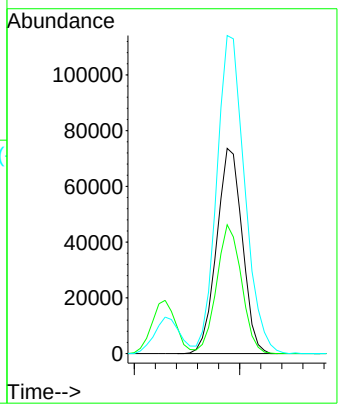
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

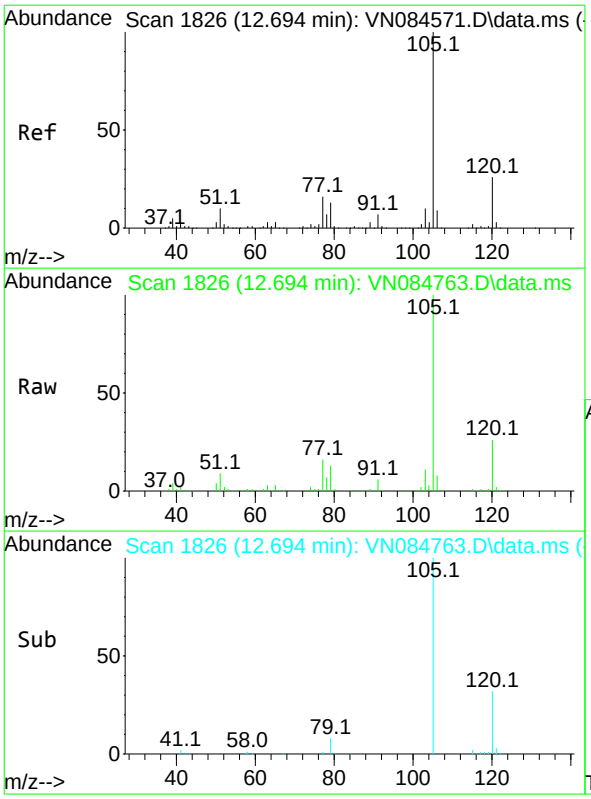


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:152 Resp: 124434

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.3	93.9
150	169.0	0.0	349.8

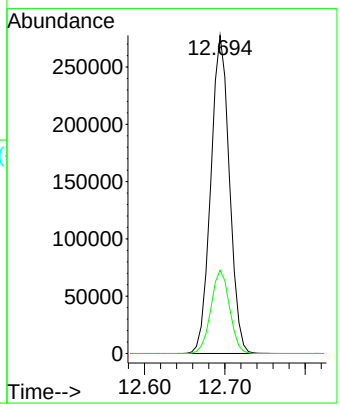




#73
Isopropylbenzene
Concen: 51.228 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 446708

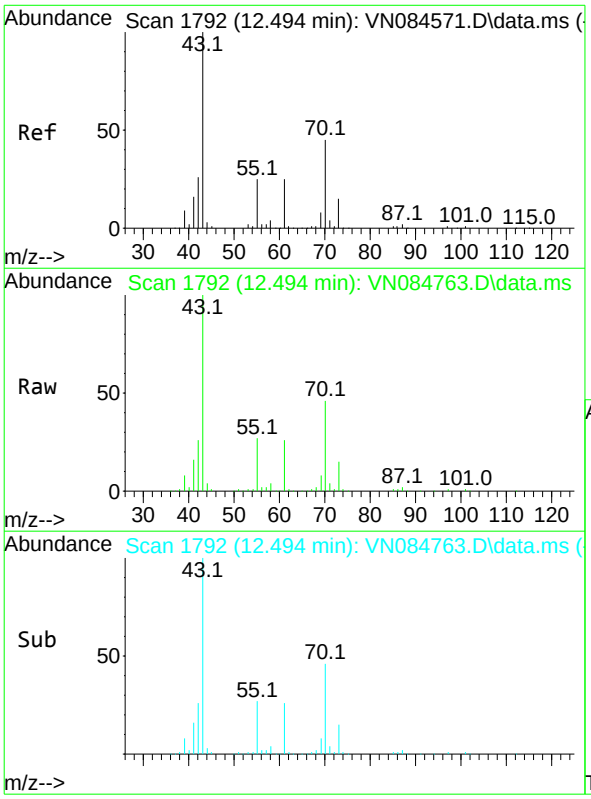
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

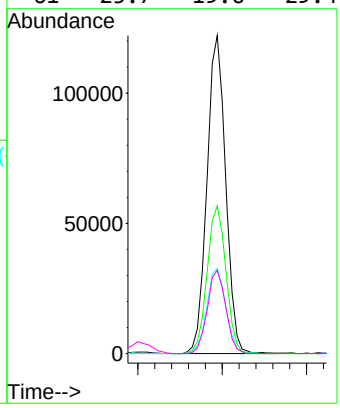
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

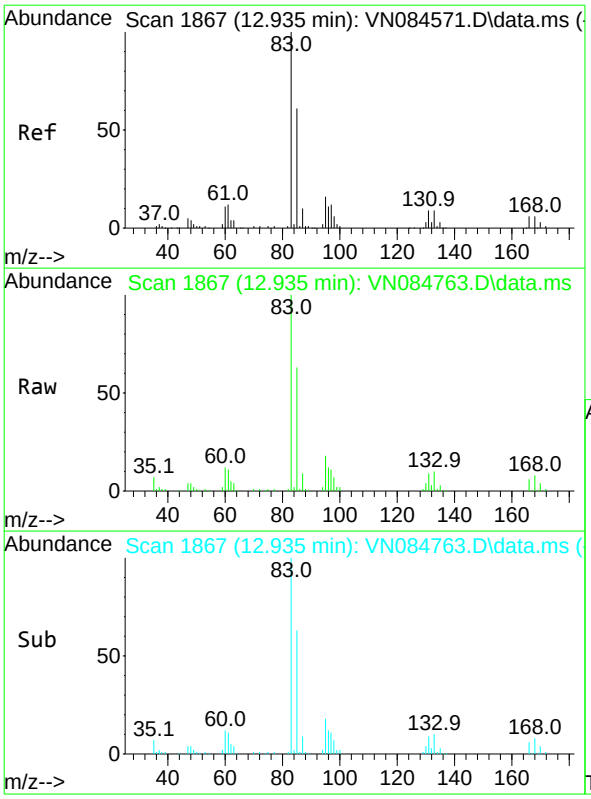


#74
N-amyl acetate
Concen: 50.722 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 188248

Ion	Ratio	Lower	Upper
43	100		
70	46.8	34.4	51.6
55	27.2	19.6	29.4
61	25.7	19.6	29.4

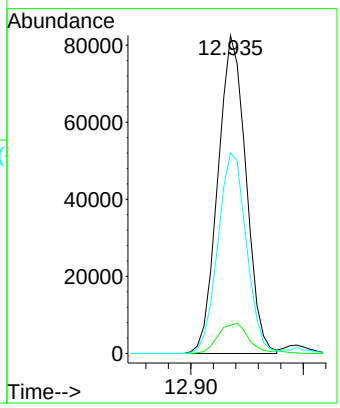




#75
1,1,2,2-Tetrachloroethane
Concen: 49.129 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 83 Resp: 142997

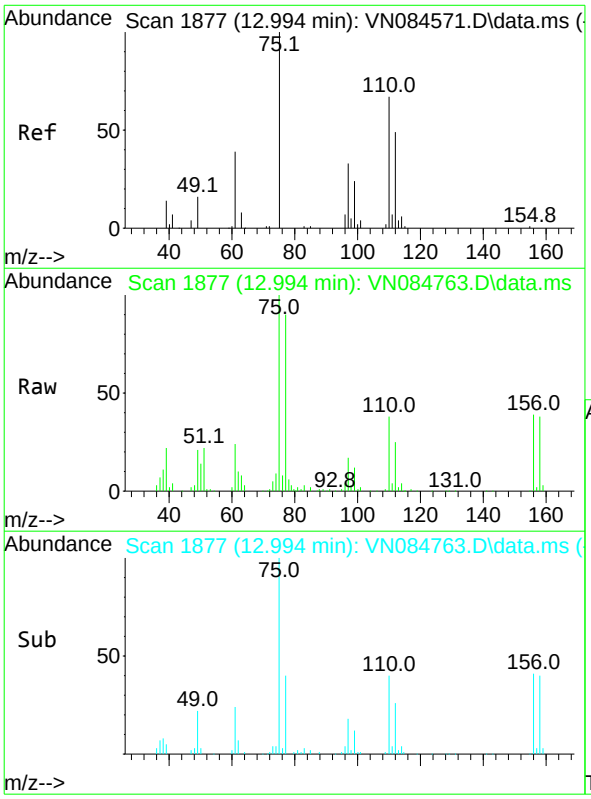
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	64.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

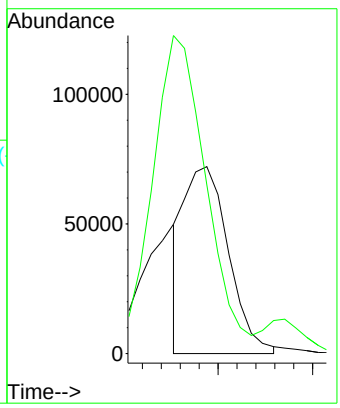
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

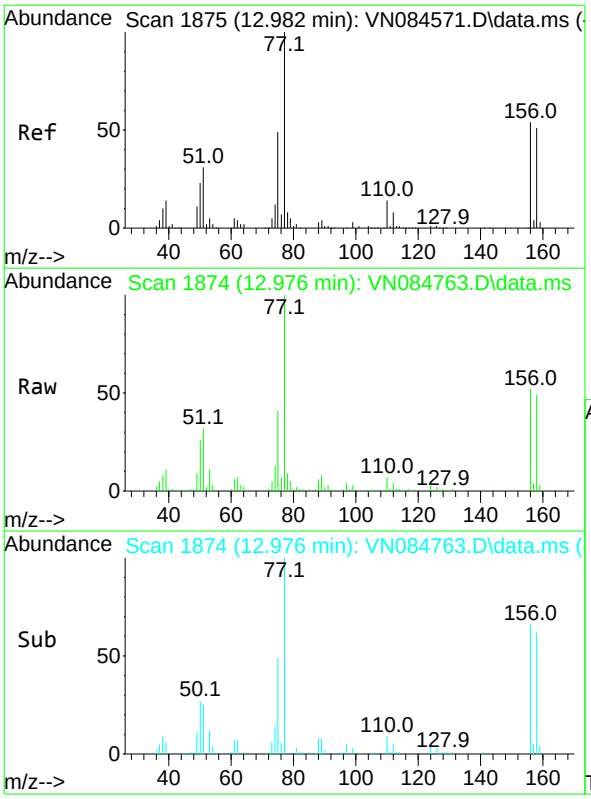


#76
1,2,3-Trichloropropane
Concen: 47.539 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 118247

Ion	Ratio	Lower	Upper
75	100		
77	205.7	96.9	290.7

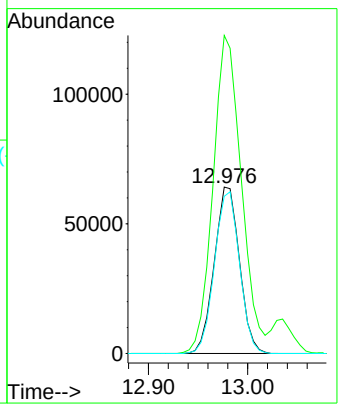




#77
Bromobenzene
Concen: 48.357 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:156 Resp: 113359

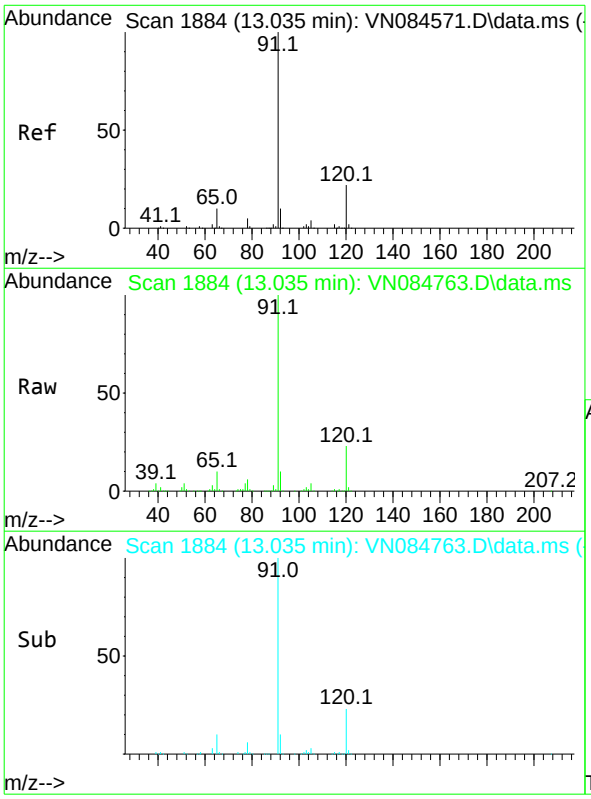
Ion	Ratio	Lower	Upper
156	100		
77	214.5	115.1	345.3
158	96.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

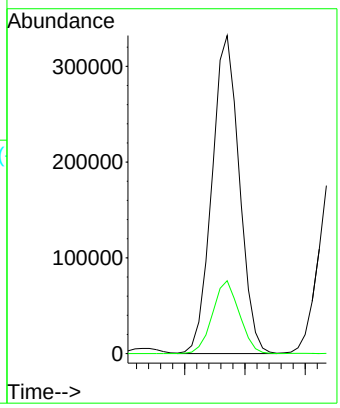
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

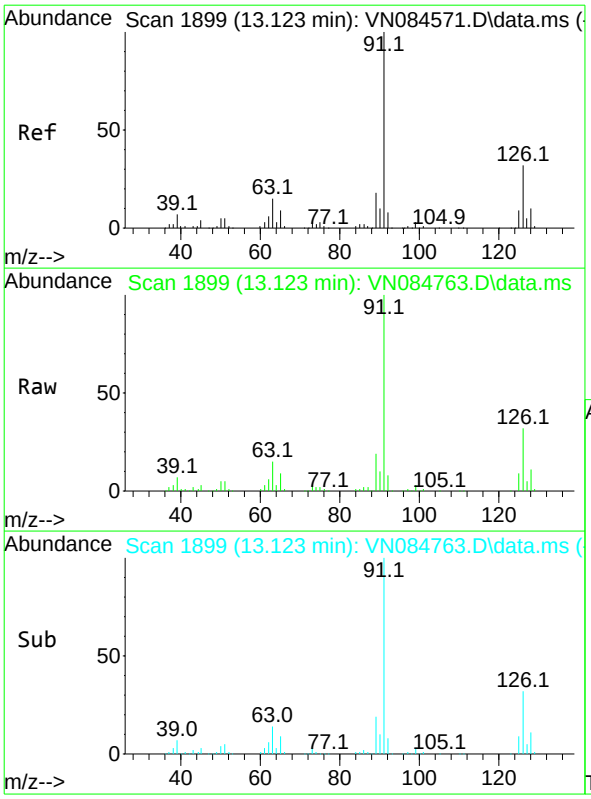


#78
n-propylbenzene
Concen: 51.358 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 524800

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

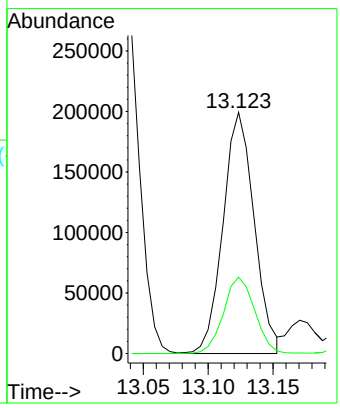




#79
2-Chlorotoluene
Concen: 49.979 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 333703

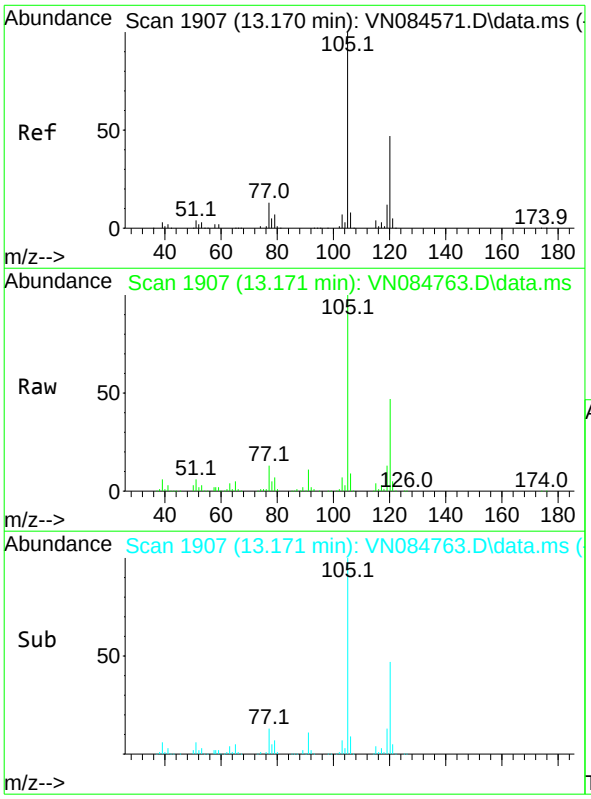
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

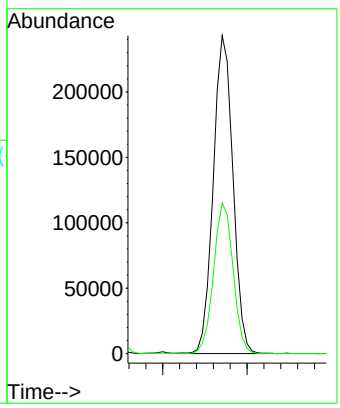
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

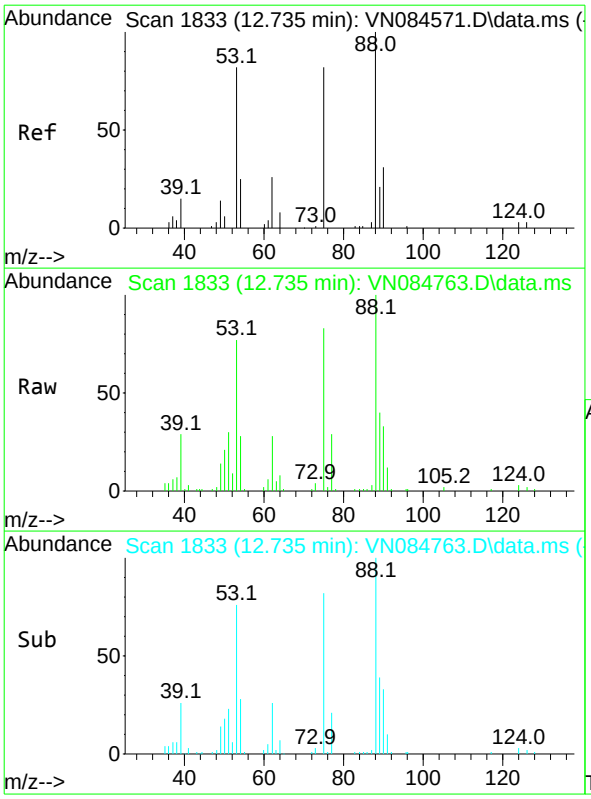


#80
1,3,5-Trimethylbenzene
Concen: 54.470 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 393675

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1

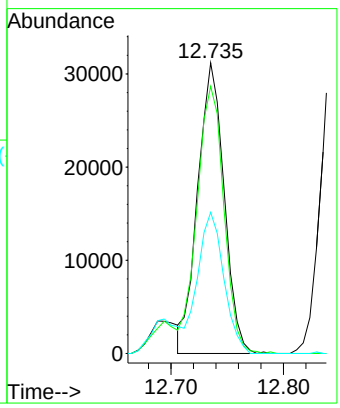




#81
trans-1,4-Dichloro-2-butene
Concen: 48.563 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 50917

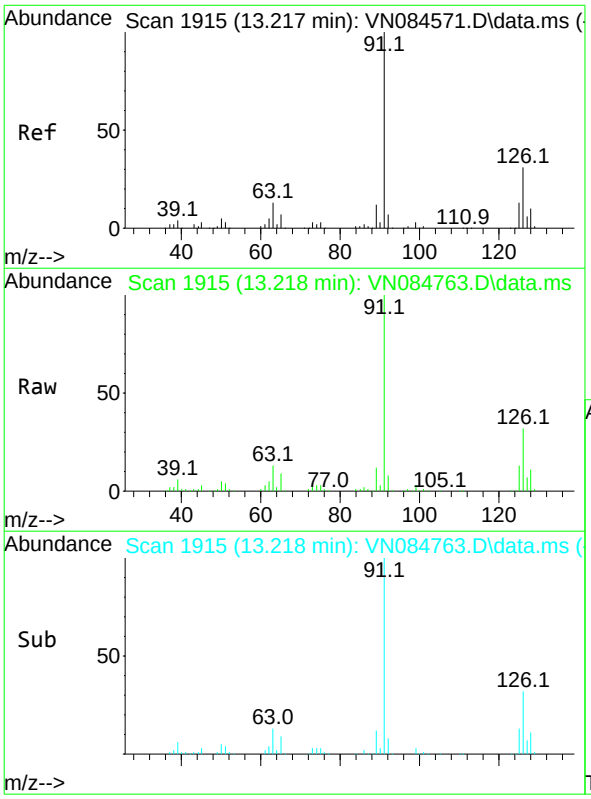
Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.0	117.0
89	47.5	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

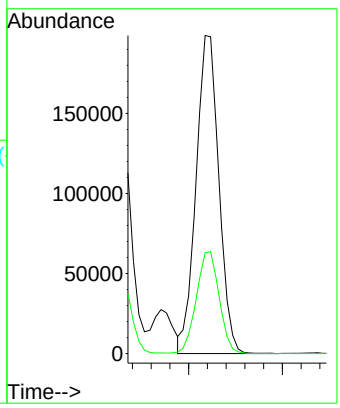
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

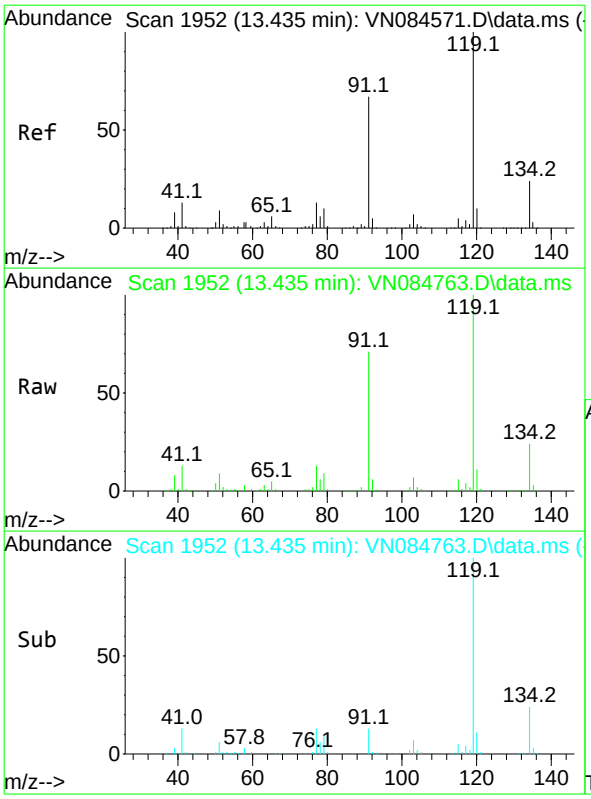


#82
4-Chlorotoluene
Concen: 47.812 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 335959

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

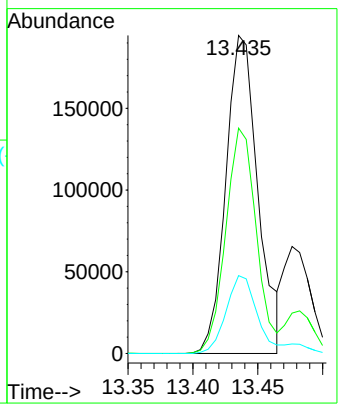




#83
tert-Butylbenzene
Concen: 56.018 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:119 Resp: 335070

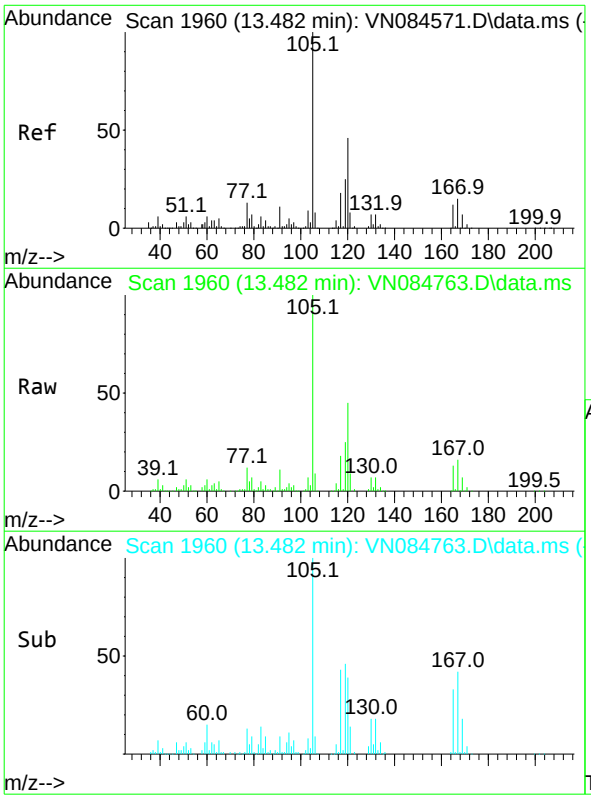
Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.1	102.3
134	23.8	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

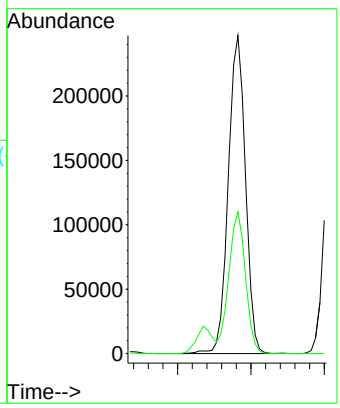
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

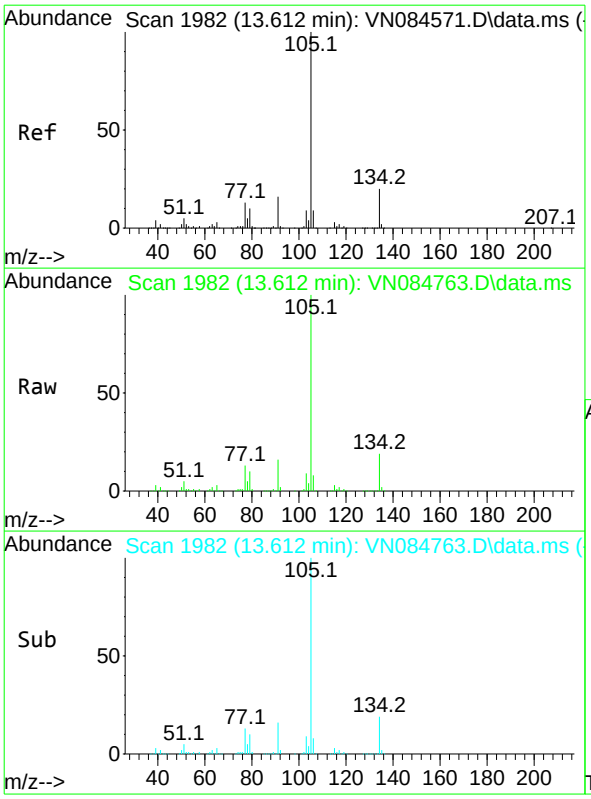


#84
1,2,4-Trimethylbenzene
Concen: 53.831 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 401540

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8

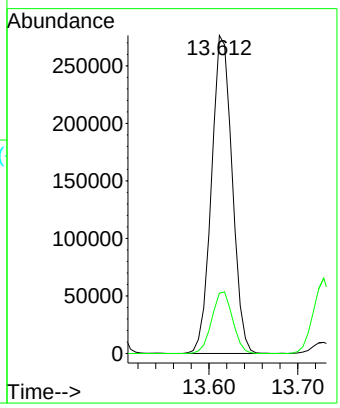




#85
sec-Butylbenzene
Concen: 52.893 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 446905

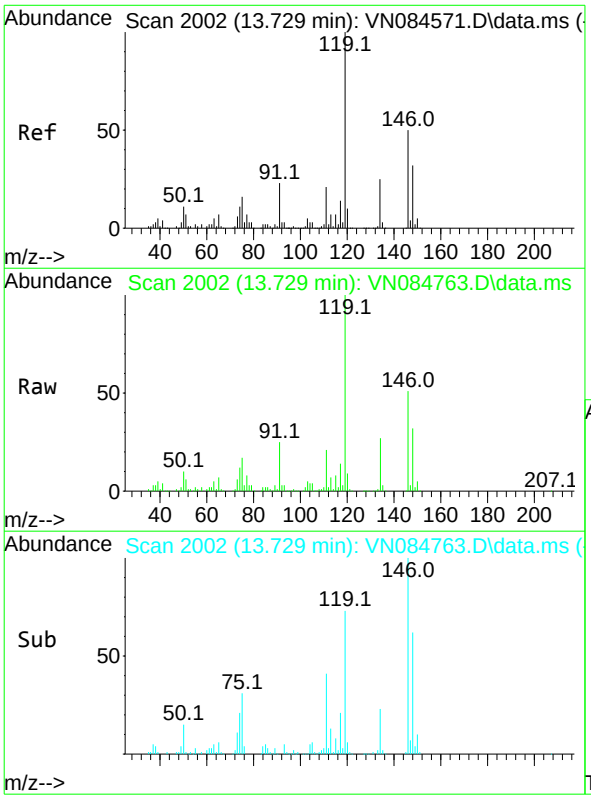
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

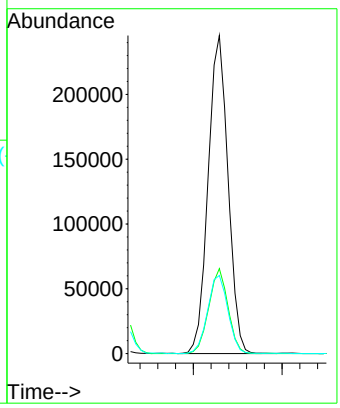
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

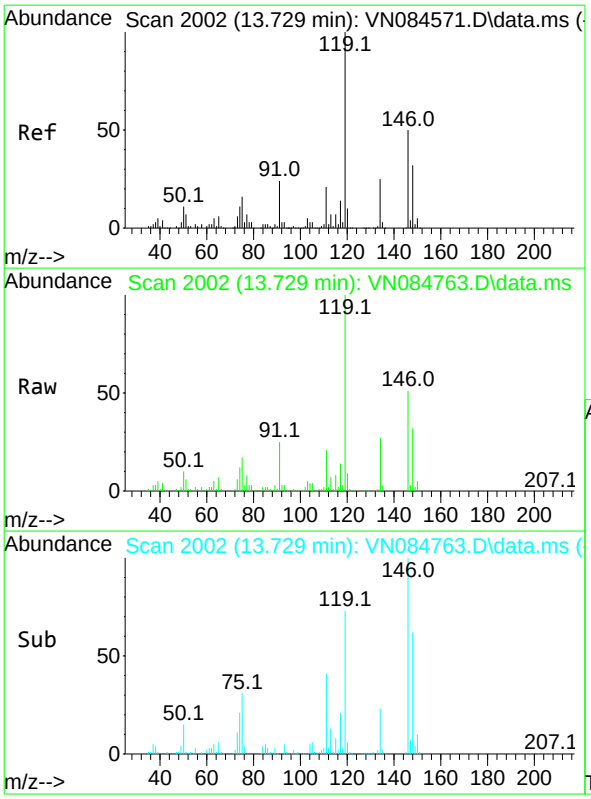


#86
p-Isopropyltoluene
Concen: 55.110 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:119 Resp: 381882

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.4	37.2

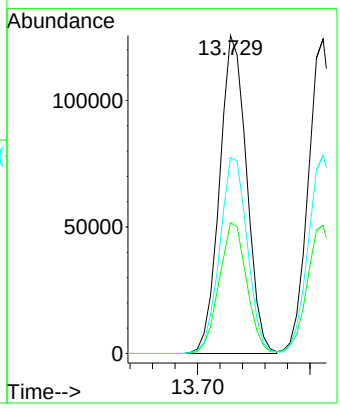




#87
1,3-Dichlorobenzene
Concen: 45.837 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:146 Resp: 209698

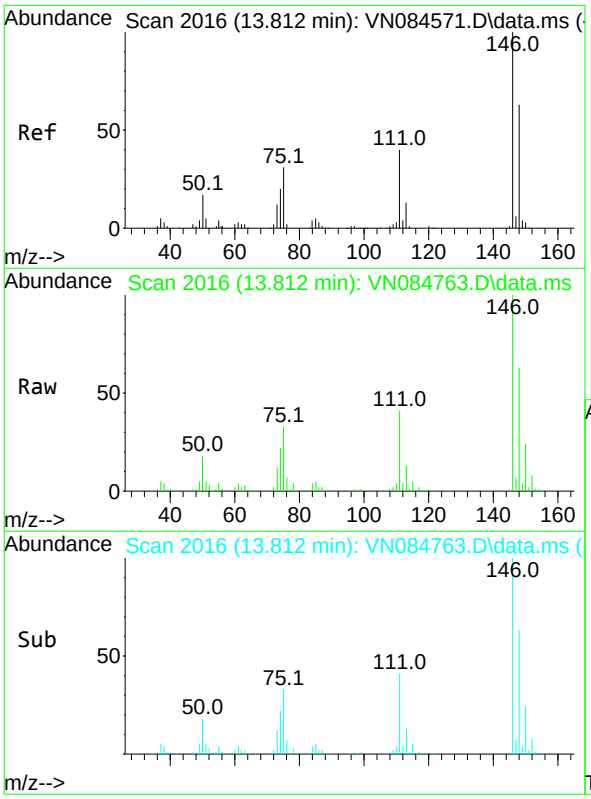
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	63.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

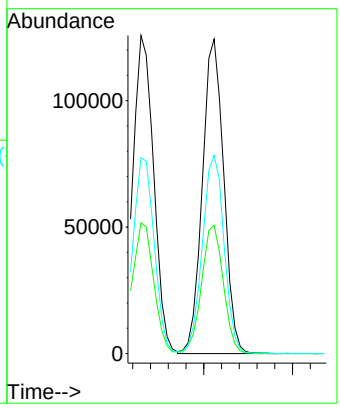
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

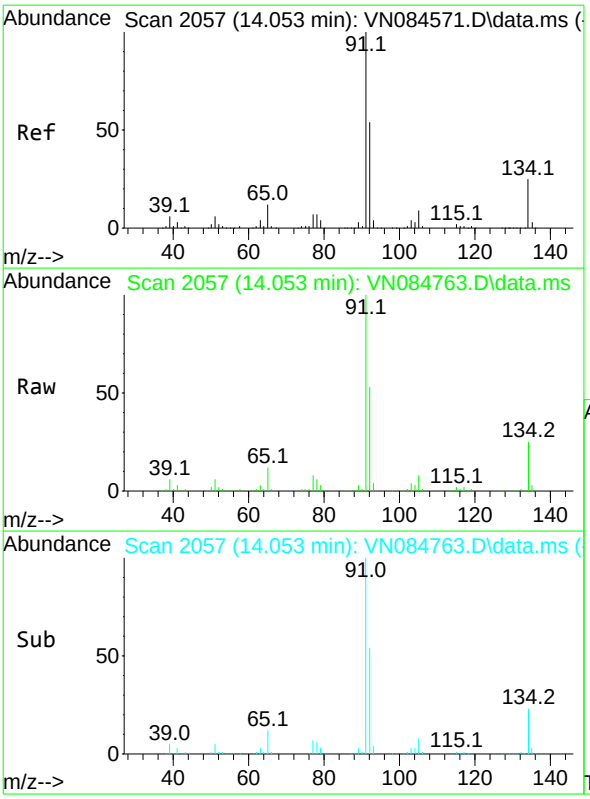


#88
1,4-Dichlorobenzene
Concen: 49.560 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:146 Resp: 207944

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.2	63.6
148	64.1	31.9	95.9

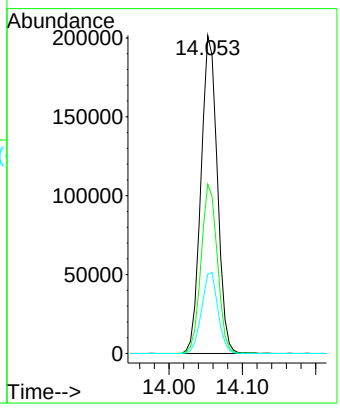




#89
n-Butylbenzene
Concen: 48.155 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 312135

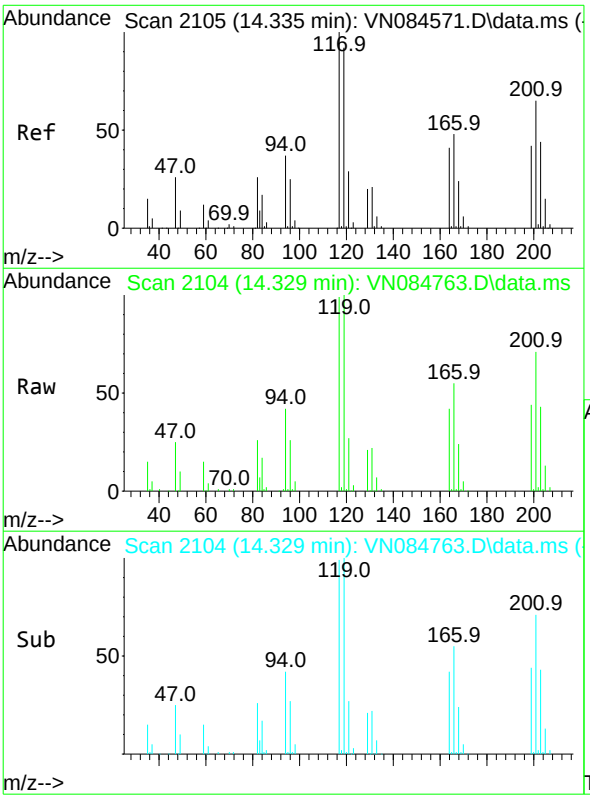
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

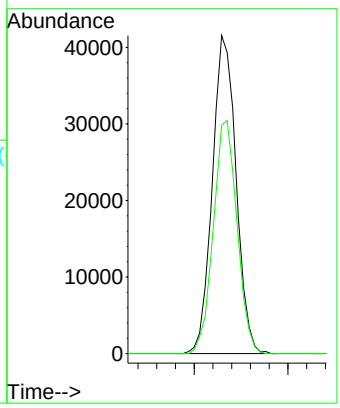
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

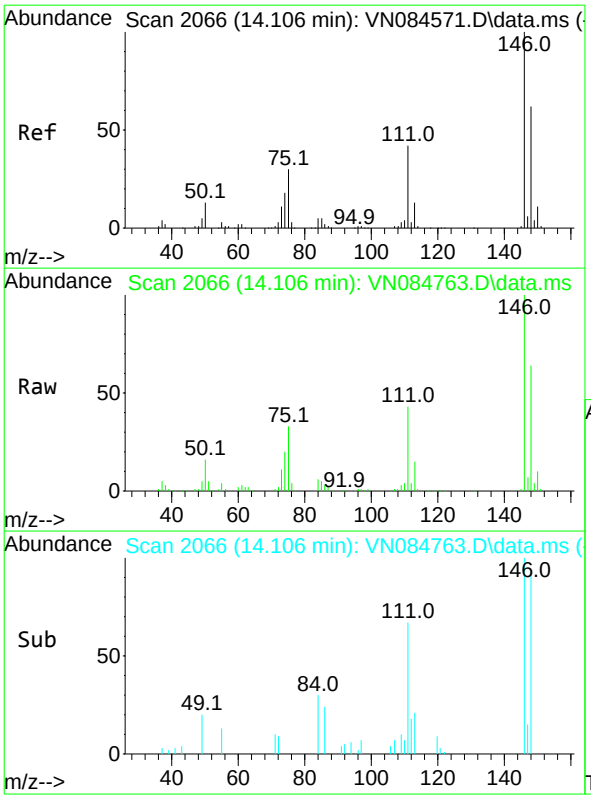


#90
Hexachloroethane
Concen: 47.297 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:117 Resp: 73088

Ion	Ratio	Lower	Upper
117	100		
201	73.3	34.4	103.2

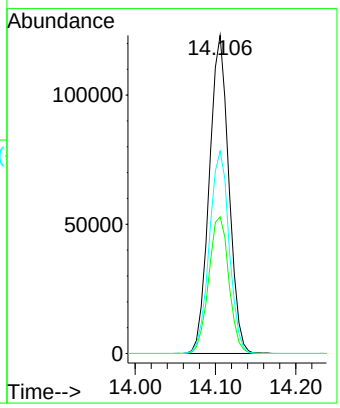




#91
1,2-Dichlorobenzene
Concen: 47.283 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:146 Resp: 207866

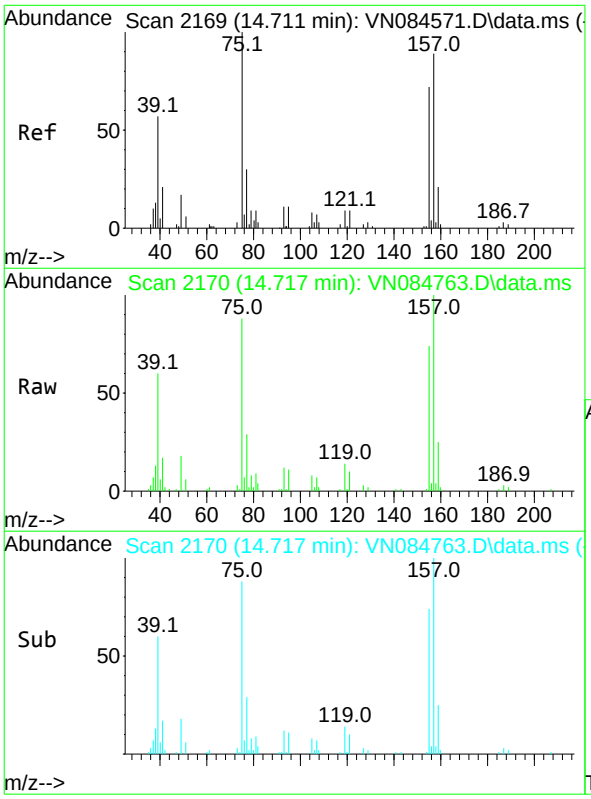
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	64.5	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

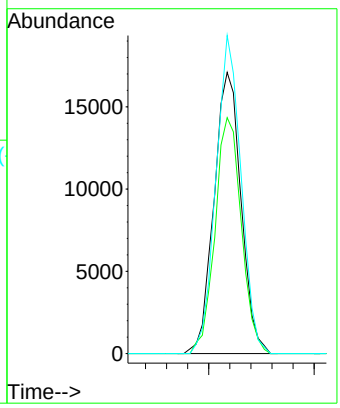
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

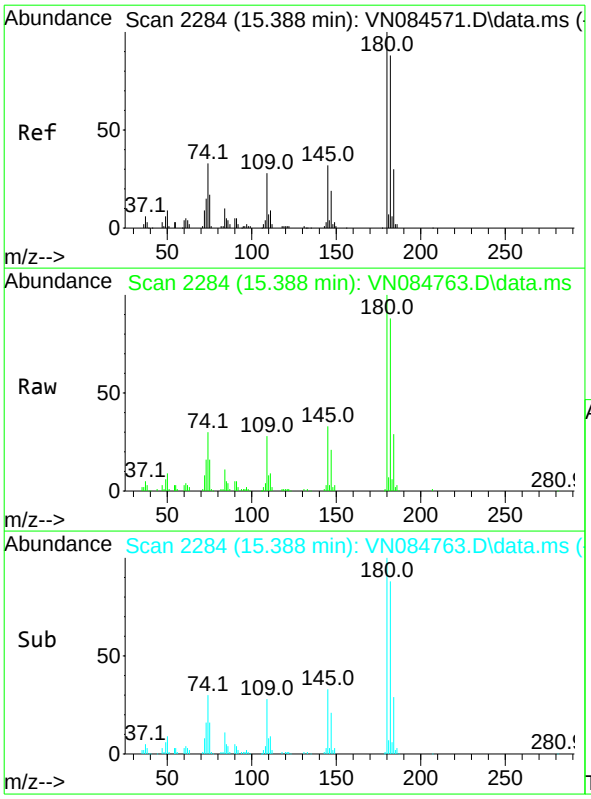


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.610 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 30432

Ion	Ratio	Lower	Upper
75	100		
155	81.6	38.1	114.5
157	105.0	49.6	149.0

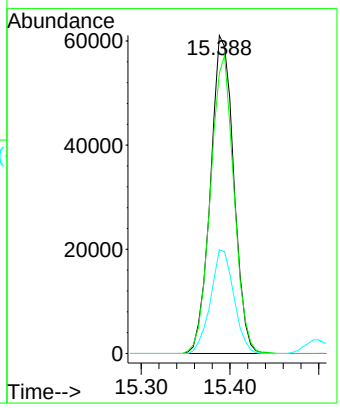




#93
1,2,4-Trichlorobenzene
Concen: 46.111 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:180 Resp: 110955

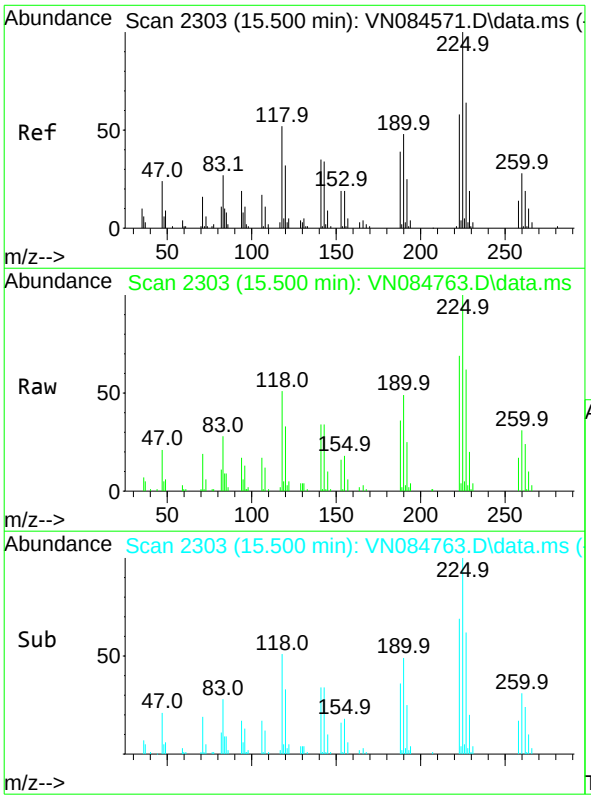
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.0
145	32.7	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

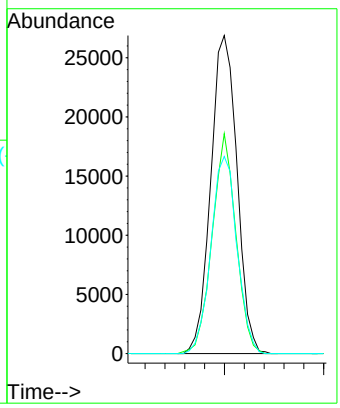
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024

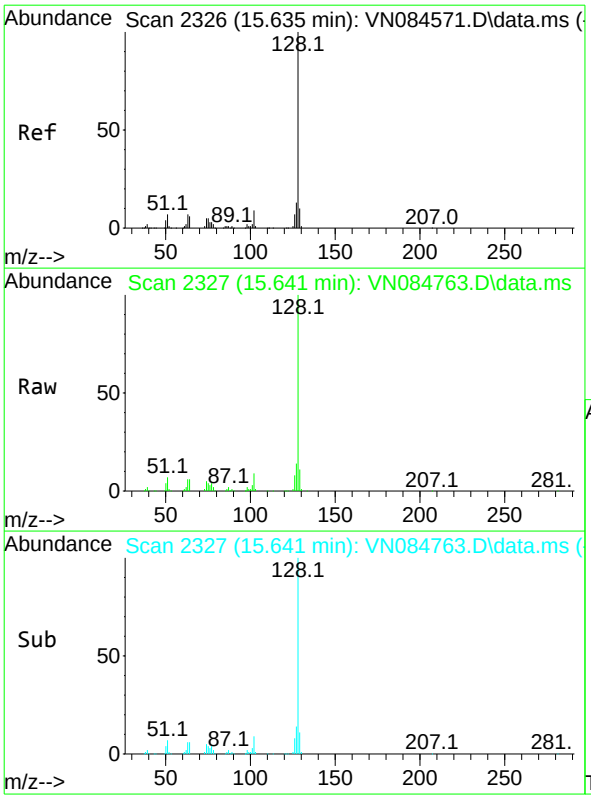


#94
Hexachlorobutadiene
Concen: 46.744 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:225 Resp: 49394

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.4	97.2
227	61.5	32.4	97.0

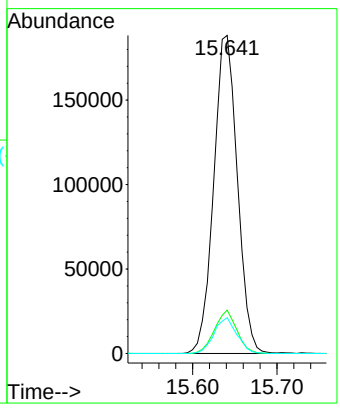




#95
Naphthalene
Concen: 50.979 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:128 Resp: 367171

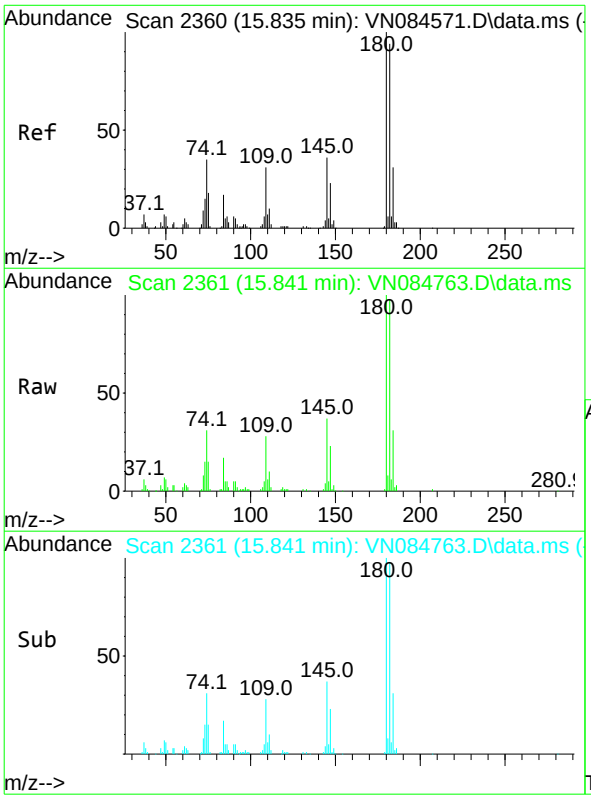
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

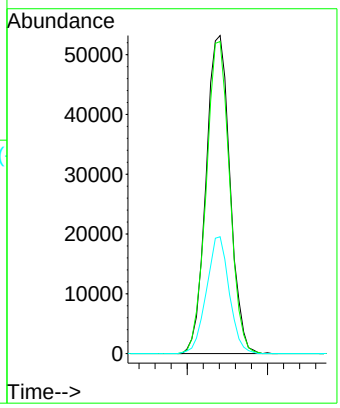
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/12/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.044 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:180 Resp: 109885

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	35.1	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	89	0.00
2	T	Dichlorodifluoromethane	0.575	0.506	12.0	82	0.00
3	P	Chloromethane	0.952	0.548	42.4#	73	0.00
4	C	Vinyl Chloride	0.618	0.542	12.3#	80	0.00
5	T	Bromomethane	0.328	0.308	6.1	93	-0.05
6	T	Chloroethane	0.488	0.366	25.0	87	-0.04
7	T	Trichlorofluoromethane	1.018	0.982	3.5	91	-0.02
8	T	Diethyl Ether	0.359	0.353	1.7	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.552	4.0	88	-0.01
10	T	Methyl Iodide	0.769	0.767	0.3	93	-0.01
11	T	Tert butyl alcohol	0.095	0.103	-8.4	107	0.00
12	CM	1,1-Dichloroethene	0.569	0.521	8.4#	86	-0.01
13	T	Acrolein	0.095	0.080	15.8	81	0.00
14	T	Allyl chloride	0.923	0.861	6.7	84	0.00
15	T	Acrylonitrile	0.276	0.297	-7.6	98	0.00
16	T	Acetone	0.238	0.254	-6.7	111	0.00
17	T	Carbon Disulfide	1.753	1.378	21.4	77	-0.01
18	T	Methyl Acetate	1.172	0.746	36.3#	89	0.00
19	T	Methyl tert-butyl Ether	1.745	1.856	-6.4	94	0.00
20	T	Methylene Chloride	0.635	0.615	3.1	91	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.553	5.5	88	-0.01
22	T	Diisopropyl ether	1.835	1.811	1.3	87	0.00
23	T	Vinyl Acetate	1.265	1.306	-3.2	90	0.00
24	P	1,1-Dichloroethane	1.102	1.060	3.8	89	-0.01
25	T	2-Butanone	0.337	0.376	-11.6	106	0.00
26	T	2,2-Dichloropropane	0.959	0.937	2.3	89	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.672	1.6	91	0.00
28	T	Bromochloromethane	0.439	0.477	-8.7	83	0.00
29	T	Tetrahydrofuran	0.224	0.240	-7.1	96	0.00
30	C	Chloroform	1.121	1.129	-0.7#	93	0.00
31	T	Cyclohexane	0.997	0.849	14.8	81	0.00
32	T	1,1,1-Trichloroethane	1.021	1.023	-0.2	92	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.679	6.0	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.338	0.342	-1.2	86	0.00
36	T	1,1-Dichloropropene	0.469	0.443	5.5	85	0.00
37	T	Ethyl Acetate	0.426	0.467	-9.6	96	0.00
38	T	Carbon Tetrachloride	0.525	0.542	-3.2	92	0.00
39	T	Methylcyclohexane	0.478	0.485	-1.5	83	0.00
40	TM	Benzene	1.507	1.478	1.9	89	0.00
41	T	Methacrylonitrile	0.229	0.265	-15.7	93	0.00
42	TM	1,2-Dichloroethane	0.488	0.503	-3.1	88	0.00
43	T	Isopropyl Acetate	0.927	0.787	15.1	90	0.00
44	TM	Trichloroethene	0.348	0.337	3.2	87	0.00
45	C	1,2-Dichloropropane	0.354	0.362	-2.3#	91	0.00
46	T	Dibromomethane	0.250	0.260	-4.0	93	0.00
47	T	Bromodichloromethane	0.526	0.565	-7.4	94	0.00
48	T	Methyl methacrylate	0.331	0.365	-10.3	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	99	0.00
50	S	Toluene-d8	1.247	1.214	2.6	81	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.479	-18.0	98	0.00
52	CM	Toluene	0.882	0.921	-4.4#	89	0.00
53	T	t-1,3-Dichloropropene	0.544	0.543	0.2	87	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.584	-1.4	87	0.00
55	T	1,1,2-Trichloroethane	0.332	0.355	-6.9	94	0.00
56	T	Ethyl methacrylate	0.480	0.584	-21.7	94	0.00
57	T	1,3-Dichloropropane	0.570	0.602	-5.6	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.250	-11.1	83	0.00
59	T	2-Hexanone	0.296	0.354	-19.6	99	0.00
60	T	Dibromochloromethane	0.378	0.437	-15.6	96	0.00
61	T	1,2-Dibromoethane	0.340	0.356	-4.7	93	0.00
62	S	4-Bromofluorobenzene	0.466	0.484	-3.9	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.333	0.338	-1.5	92	0.00
65	PM	Chlorobenzene	1.119	1.110	0.8	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.426	-9.5	97	0.00
67	C	Ethyl Benzene	1.867	1.951	-4.5#	88	0.00
68	T	m/p-Xylenes	0.707	0.762	-7.8	89	0.00
69	T	o-Xylene	0.661	0.749	-13.3	93	0.00
70	T	Styrene	1.154	1.272	-10.2	90	0.00
71	P	Bromoform	0.293	0.344	-17.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.504	3.590	-2.5	90	0.00
74	T	N-amyl acetate	1.491	1.513	-1.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.149	1.8	96	0.00
76	T	1,2,3-Trichloropropane	0.999	0.950	4.9	96	0.00
77	T	Bromobenzene	0.942	0.911	3.3	93	0.00
78	T	n-propylbenzene	4.106	4.217	-2.7	90	0.00
79	T	2-Chlorotoluene	2.683	2.682	0.0	92	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.164	-9.0	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.409	2.9	92	0.00
82	T	4-Chlorotoluene	2.823	2.700	4.4	89	0.00
83	T	tert-Butylbenzene	2.403	2.693	-12.1	96	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.227	-7.7	92	0.00
85	T	sec-Butylbenzene	3.395	3.592	-5.8	91	0.00
86	T	p-Isopropyltoluene	2.784	3.069	-10.2	91	0.00
87	T	1,3-Dichlorobenzene	1.838	1.685	8.3	91	0.00
88	T	1,4-Dichlorobenzene	1.937	1.671	13.7	90	0.00
89	T	n-Butylbenzene	2.605	2.508	3.7	86	0.00
90	T	Hexachloroethane	0.621	0.587	5.5	90	0.00
91	T	1,2-Dichlorobenzene	1.766	1.670	5.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.245	-3.4	101	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.892	7.8	93	0.00
94	T	Hexachlorobutadiene	0.425	0.397	6.6	97	0.00
95	T	Naphthalene	2.894	2.951	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.883	6.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	89	0.00
2	T	Dichlorodifluoromethane	50.000	43.991	12.0	82	0.00
3	P	Chloromethane	50.000	40.098	19.8	73	0.00
4	C	Vinyl Chloride	50.000	43.860	12.3#	80	0.00
5	T	Bromomethane	50.000	46.958	6.1	93	-0.05
6	T	Chloroethane	50.000	47.726	4.5	87	-0.04
7	T	Trichlorofluoromethane	50.000	48.234	3.5	91	-0.02
8	T	Diethyl Ether	50.000	49.095	1.8	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.978	4.0	88	-0.01
10	T	Methyl Iodide	50.000	49.853	0.3	93	-0.01
11	T	Tert butyl alcohol	250.000	271.171	-8.5	107	0.00
12	CM	1,1-Dichloroethene	50.000	45.789	8.4#	86	-0.01
13	T	Acrolein	250.000	209.424	16.2	81	0.00
14	T	Allyl chloride	50.000	46.636	6.7	84	0.00
15	T	Acrylonitrile	250.000	268.931	-7.6	98	0.00
16	T	Acetone	250.000	305.595	-22.2	111	0.00
17	T	Carbon Disulfide	50.000	39.283	21.4	77	-0.01
18	T	Methyl Acetate	50.000	48.890	2.2	89	0.00
19	T	Methyl tert-butyl Ether	50.000	53.183	-6.4	94	0.00
20	T	Methylene Chloride	50.000	48.382	3.2	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.267	5.5	88	-0.01
22	T	Diisopropyl ether	50.000	49.344	1.3	87	0.00
23	T	Vinyl Acetate	250.000	258.019	-3.2	90	0.00
24	P	1,1-Dichloroethane	50.000	48.124	3.8	89	-0.01
25	T	2-Butanone	250.000	278.781	-11.5	106	0.00
26	T	2,2-Dichloropropane	50.000	48.884	2.2	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.185	1.6	91	0.00
28	T	Bromochloromethane	50.000	54.304	-8.6	83	0.00
29	T	Tetrahydrofuran	250.000	267.951	-7.2	96	0.00
30	C	Chloroform	50.000	50.351	-0.7#	93	0.00
31	T	Cyclohexane	50.000	42.587	14.8	81	0.00
32	T	1,1,1-Trichloroethane	50.000	50.110	-0.2	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.015	6.0	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.580	-1.2	86	0.00
36	T	1,1-Dichloropropene	50.000	47.191	5.6	85	0.00
37	T	Ethyl Acetate	50.000	54.851	-9.7	96	0.00
38	T	Carbon Tetrachloride	50.000	51.633	-3.3	92	0.00
39	T	Methylcyclohexane	50.000	50.763	-1.5	83	0.00
40	TM	Benzene	50.000	49.035	1.9	89	0.00
41	T	Methacrylonitrile	50.000	57.885	-15.8	93	0.00
42	TM	1,2-Dichloroethane	50.000	51.482	-3.0	88	0.00
43	T	Isopropyl Acetate	50.000	50.042	-0.1	90	0.00
44	TM	Trichloroethene	50.000	48.515	3.0	87	0.00
45	C	1,2-Dichloropropane	50.000	51.236	-2.5#	91	0.00
46	T	Dibromomethane	50.000	52.114	-4.2	93	0.00
47	T	Bromodichloromethane	50.000	53.751	-7.5	94	0.00
48	T	Methyl methacrylate	50.000	55.006	-10.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	1173.486	-17.3	99	0.00
50	S	Toluene-d8	50.000	48.687	2.6	81	0.00
51	T	4-Methyl-2-Pentanone	250.000	294.690	-17.9	98	0.00
52	CM	Toluene	50.000	52.263	-4.5#	89	0.00
53	T	t-1,3-Dichloropropene	50.000	49.888	0.2	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.677	-1.4	87	0.00
55	T	1,1,2-Trichloroethane	50.000	53.508	-7.0	94	0.00
56	T	Ethyl methacrylate	50.000	60.744	-21.5	94	0.00
57	T	1,3-Dichloropropane	50.000	52.786	-5.6	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.300	-11.3	83	0.00
59	T	2-Hexanone	250.000	299.154	-19.7	99	0.00
60	T	Dibromochloromethane	50.000	57.750	-15.5	96	0.00
61	T	1,2-Dibromoethane	50.000	52.293	-4.6	93	0.00
62	S	4-Bromofluorobenzene	50.000	51.967	-3.9	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	50.742	-1.5	92	0.00
65	PM	Chlorobenzene	50.000	49.619	0.8	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.732	-9.5	97	0.00
67	C	Ethyl Benzene	50.000	52.251	-4.5#	88	0.00
68	T	m/p-Xylenes	100.000	107.734	-7.7	89	0.00
69	T	o-Xylene	50.000	56.617	-13.2	93	0.00
70	T	Styrene	50.000	55.134	-10.3	90	0.00
71	P	Bromoform	50.000	58.721	-17.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	51.228	-2.5	90	0.00
74	T	N-amyl acetate	50.000	50.722	-1.4	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.129	1.7	96	0.00
76	T	1,2,3-Trichloropropane	50.000	47.539	4.9	96	0.00
77	T	Bromobenzene	50.000	48.357	3.3	93	0.00
78	T	n-propylbenzene	50.000	51.358	-2.7	90	0.00
79	T	2-Chlorotoluene	50.000	49.979	0.0	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.470	-8.9	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.563	2.9	92	0.00
82	T	4-Chlorotoluene	50.000	47.812	4.4	89	0.00
83	T	tert-Butylbenzene	50.000	56.018	-12.0	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.831	-7.7	92	0.00
85	T	sec-Butylbenzene	50.000	52.893	-5.8	91	0.00
86	T	p-Isopropyltoluene	50.000	55.110	-10.2	91	0.00
87	T	1,3-Dichlorobenzene	50.000	45.837	8.3	91	0.00
88	T	1,4-Dichlorobenzene	50.000	49.560	0.9	90	0.00
89	T	n-Butylbenzene	50.000	48.155	3.7	86	0.00
90	T	Hexachloroethane	50.000	47.297	5.4	90	0.00
91	T	1,2-Dichlorobenzene	50.000	47.283	5.4	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.610	-3.2	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.111	7.8	93	0.00
94	T	Hexachlorobutadiene	50.000	46.744	6.5	97	0.00
95	T	Naphthalene	50.000	50.979	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 11:50:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	47.044	5.9	94	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/11/2024 21:18

Lab File ID: VN084787.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.952	0.512	0.1	-46.22	50
Vinyl Chloride	0.618	0.566		-8.41	50
Bromomethane	0.328	0.292		-10.98	50
Chloroethane	0.488	0.368		-24.59	50
Trichlorofluoromethane	1.018	0.929		-8.74	50
1,1,2-Trichlorotrifluoroethane	0.575	0.523		-9.04	50
1,1-Dichloroethene	0.569	0.486		-14.59	50
Acetone	0.238	0.225		-5.46	50
Carbon Disulfide	1.753	1.264		-27.9	50
Methyl tert-butyl Ether	1.745	1.731		-0.8	50
Methylene Chloride	0.635	0.555		-12.6	50
trans-1,2-Dichloroethene	0.585	0.499		-14.7	50
1,1-Dichloroethane	1.102	0.984	0.1	-10.71	50
2-Butanone	0.337	0.369		9.5	50
Carbon Tetrachloride	0.525	0.506		-3.62	50
cis-1,2-Dichloroethene	0.683	0.615		-9.96	50
Chloroform	1.121	1.049		-6.42	50
1,1,1-Trichloroethane	1.021	0.952		-6.76	50
Methylcyclohexane	0.478	0.459		-3.97	50
Benzene	1.507	1.344		-10.82	50
1,2-Dichloroethane	0.488	0.458		-6.15	50
Trichloroethene	0.348	0.315		-9.48	50
1,2-Dichloropropane	0.354	0.328		-7.34	50
Bromodichloromethane	0.526	0.501		-4.75	50
4-Methyl-2-Pentanone	0.406	0.441		8.62	50
Toluene	0.882	0.846		-4.08	50
t-1,3-Dichloropropene	0.544	0.504		-7.35	50
cis-1,3-Dichloropropene	0.576	0.528		-8.33	50
1,1,2-Trichloroethane	0.332	0.321		-3.31	50
2-Hexanone	0.296	0.334		12.84	50
Dibromochloromethane	0.378	0.383		1.32	50
Tetrachloroethene	0.333	0.304		-8.71	50
Chlorobenzene	1.119	1.008	0.3	-9.92	50
Ethyl Benzene	1.867	1.823		-2.36	50
m/p-Xylenes	0.707	0.689		-2.55	50
o-Xylene	0.661	0.669		1.21	50
Styrene	1.154	1.136		-1.56	50
Bromoform	0.293	0.292	0.1	-0.34	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.: P4774 SAS No.: P4774 SDG No.: P4774

Instrument ID: MSVOA_N Calibration Date/Time: 11/11/2024 21:18

Lab File ID: VN084787.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.504	3.609		3	50
1,1,2,2-Tetrachloroethane	1.170	1.068	0.3	-8.72	50
1,3-Dichlorobenzene	1.838	1.530		-16.76	50
1,4-Dichlorobenzene	1.937	1.540		-20.5	50
1,2-Dichlorobenzene	1.766	1.589		-10.02	50
1,2-Dichloroethane-d4	0.722	0.674		-6.65	50
Dibromofluoromethane	0.338	0.334		-1.18	50
Toluene-d8	1.247	1.206		-3.29	50
4-Bromofluorobenzene	0.466	0.464		-0.43	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\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	291331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118955	46.659	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.320%			
35) Dibromofluoromethane	8.165	113	97314	49.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	10.565	98	351476	48.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.780%			
62) 4-Bromofluorobenzene	12.847	95	135180	49.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	84501	41.643	ug/l	96
3) Chloromethane	2.360	50	90304	37.285	ug/l	96
4) Vinyl Chloride	2.512	62	99906	45.776	ug/l	97
5) Bromomethane	2.901	94	51624	44.644	ug/l	99
6) Chloroethane	3.054	64	65003	48.061	ug/l	99
7) Trichlorofluoromethane	3.454	101	163963	45.606	ug/l	99
8) Diethyl Ether	3.948	74	59294	46.753	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.348	101	92258	45.414	ug/l	97
10) Methyl Iodide	4.571	142	120168	44.260	ug/l	98
11) Tert butyl alcohol	5.548	59	106297	315.868	ug/l	99
12) 1,1-Dichloroethene	4.318	96	85753	42.660	ug/l	98
13) Acrolein	4.171	56	83096	247.625	ug/l	99
14) Allyl chloride	5.006	41	144576	44.349	ug/l	91
15) Acrylonitrile	5.718	53	245495	251.991	ug/l	99
16) Acetone	4.430	43	198198	269.348	ug/l	93
17) Carbon Disulfide	4.689	76	223087	36.038	ug/l	99
18) Methyl Acetate	5.018	43	130899	48.542	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	305562	49.595	ug/l	96
20) Methylene Chloride	5.259	84	98051	43.728	ug/l	86
21) trans-1,2-Dichloroethene	5.771	96	88013	42.641	ug/l	97
22) Diisopropyl ether	6.671	45	298223	46.040	ug/l	96
23) Vinyl Acetate	6.595	43	1081205	242.044	ug/l	98
24) 1,1-Dichloroethane	6.565	63	173686	44.661	ug/l	99
25) 2-Butanone	7.483	43	325803	273.920	ug/l	98
26) 2,2-Dichloropropane	7.483	77	140167	41.411	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	108592	45.057	ug/l	96
28) Bromochloromethane	7.806	49	72979	47.101	ug/l	92
29) Tetrahydrofuran	7.836	42	205582	260.536	ug/l	94
30) Chloroform	7.959	83	185103	46.764	ug/l	99
31) Cyclohexane	8.253	56	141733	40.267	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	168045	46.644	ug/l	98
36) 1,1-Dichloropropene	8.365	75	119608	43.735	ug/l	97
37) Ethyl Acetate	7.553	43	123291	49.688	ug/l	97
38) Carbon Tetrachloride	8.353	117	147502	48.253	ug/l	97
39) Methylcyclohexane	9.594	83	133862	48.113	ug/l	99
40) Benzene	8.600	78	391445	44.569	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	68548	51.372 ug/l		95
42) 1,2-Dichloroethane	8.665	62	133491	46.931 ug/l		99
43) Isopropyl Acetate	8.688	43	243452	53.170 ug/l		99
44) Trichloroethene	9.347	130	91914	45.377 ug/l		100
45) 1,2-Dichloropropane	9.618	63	95605	46.403 ug/l		95
46) Dibromomethane	9.706	93	67476	46.413 ug/l		96
47) Bromodichloromethane	9.888	83	145902	47.610 ug/l	#	97
48) Methyl methacrylate	9.677	41	100305	51.941 ug/l		96
49) 1,4-Dioxane	9.694	88	38986	1139.238 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.447	43	641767	271.309 ug/l		98
52) Toluene	10.630	92	246524	47.993 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	146707	46.248 ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	153802	45.810 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	93404	48.273 ug/l		95
56) Ethyl methacrylate	10.871	69	156659	55.974 ug/l		95
57) 1,3-Dichloropropane	11.159	76	160452	48.318 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	352227	268.948 ug/l		97
59) 2-Hexanone	11.194	43	486706	282.678 ug/l		97
60) Dibromochloromethane	11.359	129	111721	50.662 ug/l		99
61) 1,2-Dibromoethane	11.465	107	96789	48.848 ug/l		99
64) Tetrachloroethene	11.100	164	79480	45.715 ug/l		99
65) Chlorobenzene	11.888	112	263506	45.063 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95834	47.117 ug/l		99
67) Ethyl Benzene	11.959	91	476489	48.816 ug/l		100
68) m/p-Xylenes	12.071	106	359947	97.406 ug/l		99
69) o-Xylene	12.394	106	174747	50.550 ug/l		98
70) Styrene	12.412	104	296821	49.221 ug/l		99
71) Bromoform	12.576	173	76363	49.894 ug/l	#	100
73) Isopropylbenzene	12.694	105	461999	51.499 ug/l		100
74) N-amyl acetate	12.494	43	198094	51.881 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	136784	45.679 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	114085m	44.582 ug/l		
77) Bromobenzene	12.976	156	106796	44.282 ug/l		95
78) n-propylbenzene	13.035	91	513794	48.874 ug/l		97
79) 2-Chlorotoluene	13.124	91	317997	46.294 ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	377354	50.751 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	48448m	44.915 ug/l		
82) 4-Chlorotoluene	13.218	91	317522	43.924 ug/l		97
83) tert-Butylbenzene	13.435	119	333151	54.138 ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	381057	49.655 ug/l		99
85) sec-Butylbenzene	13.618	105	440437	50.669 ug/l		100
86) p-Isopropyltoluene	13.729	119	374128	52.480 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	195927	41.628 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	197206	45.560 ug/l		99
89) n-Butylbenzene	14.053	91	310726	46.596 ug/l		98
90) Hexachloroethane	14.329	117	69240	43.552 ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	203390	44.970 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31583	52.063 ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	117324	47.394 ug/l		99
94) Hexachlorobutadiene	15.500	225	48175	44.315 ug/l		100
95) Naphthalene	15.641	128	402741	54.353 ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	115194	47.936 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

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

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

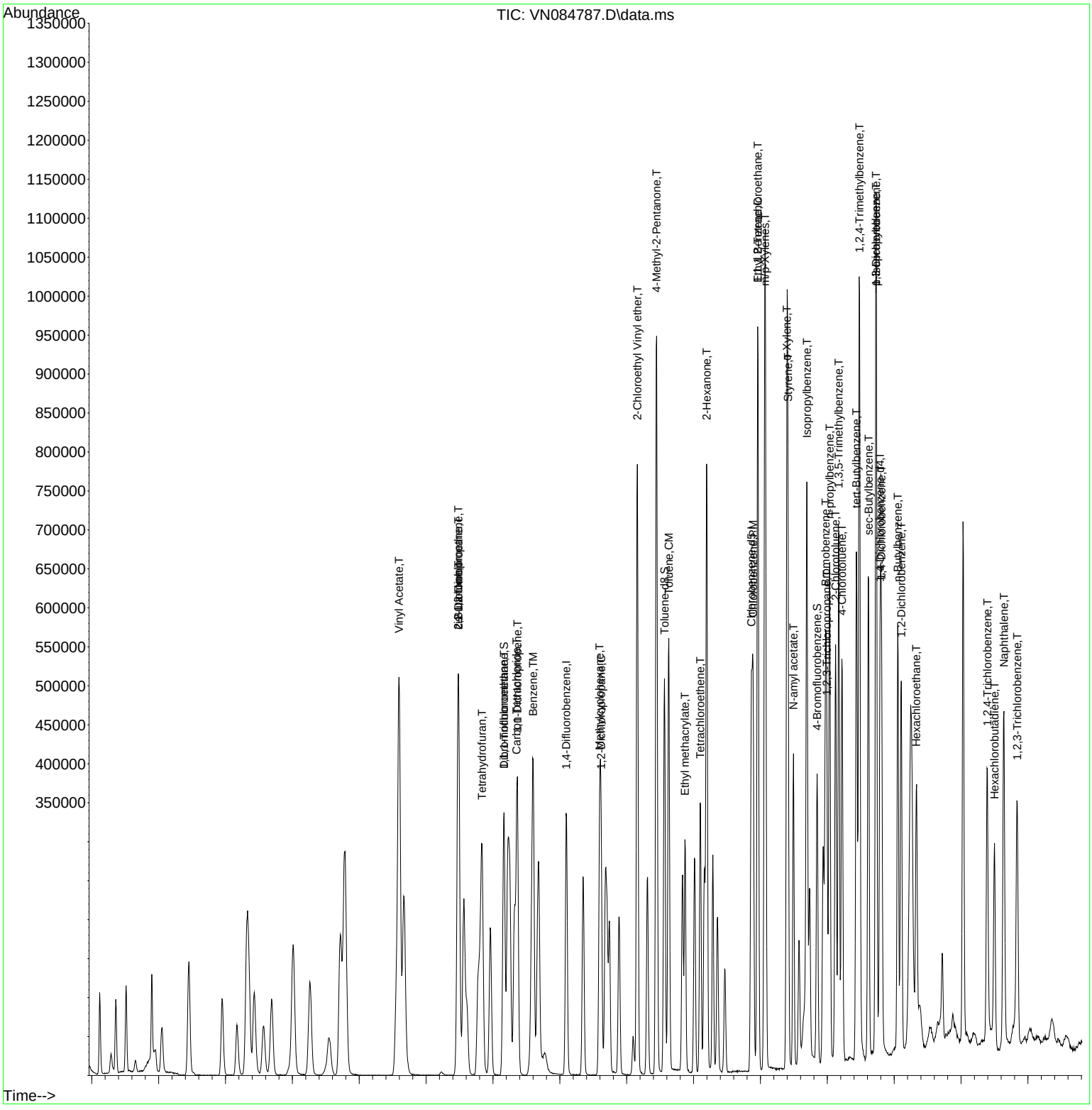
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

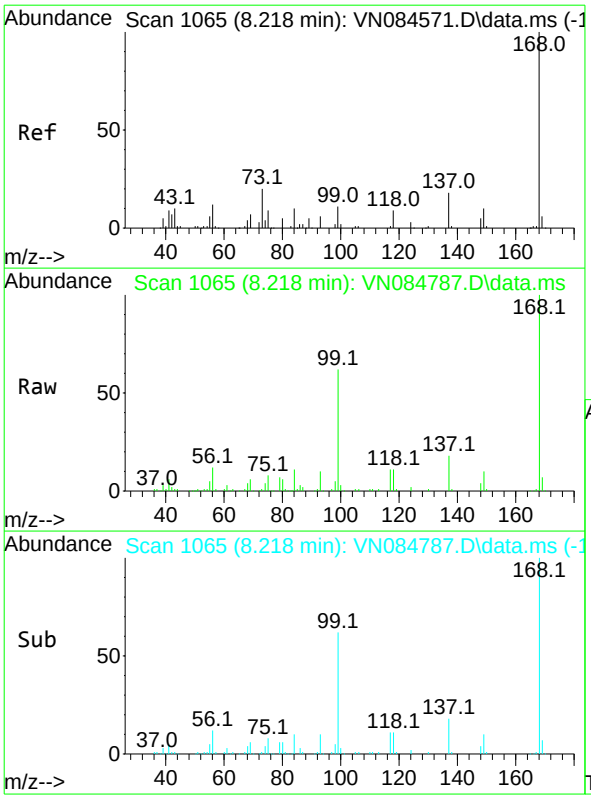
Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

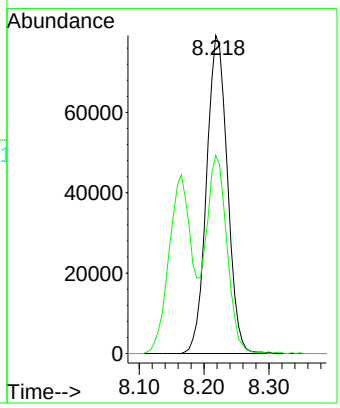




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:168 Resp: 176515

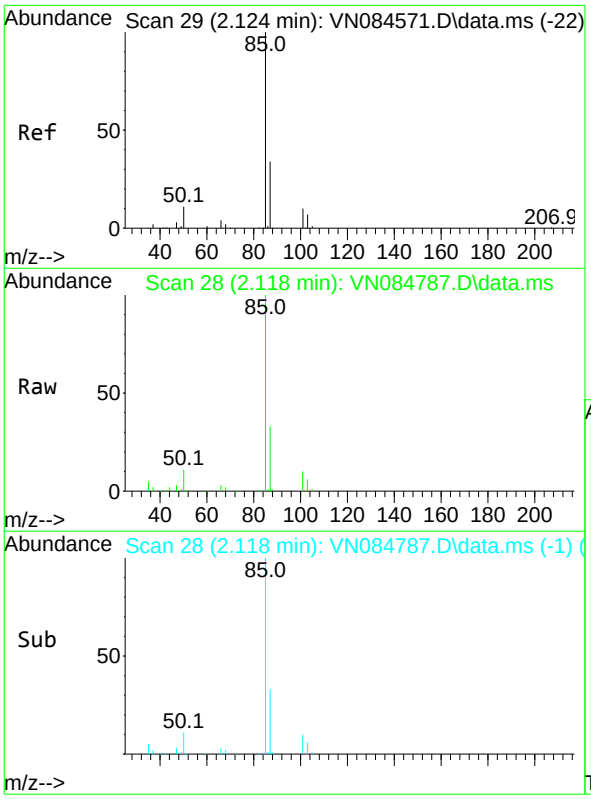
Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

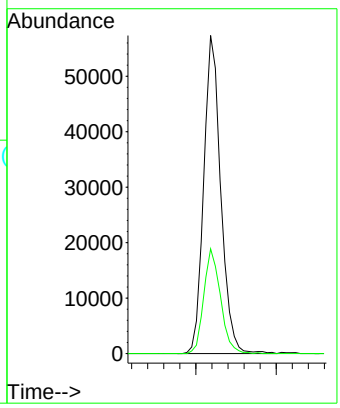
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

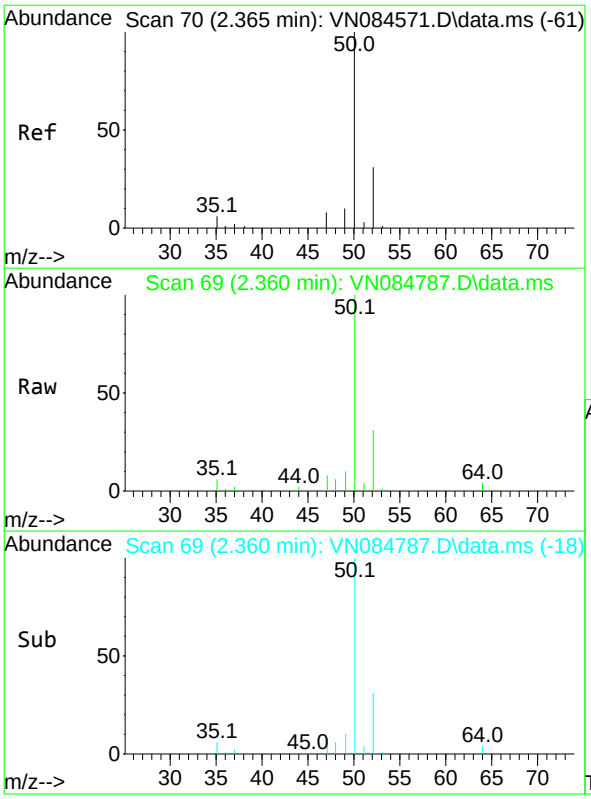


#2
Dichlorodifluoromethane
Concen: 41.643 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 85 Resp: 84501

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.6	52.9

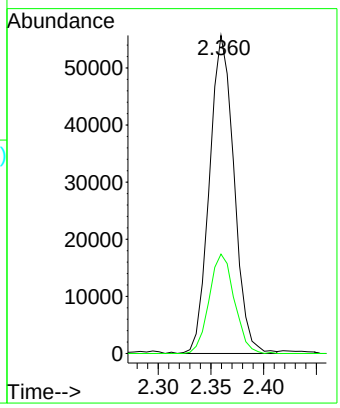




#3
Chloromethane
Concen: 37.285 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 50 Resp: 90304

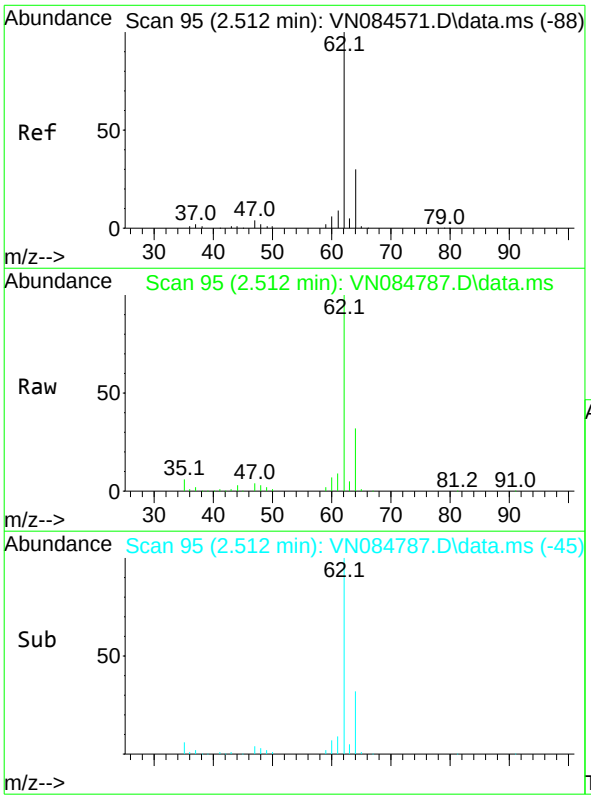
Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

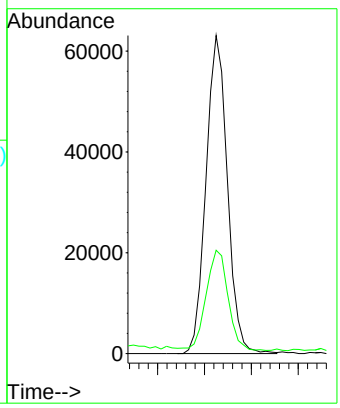
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

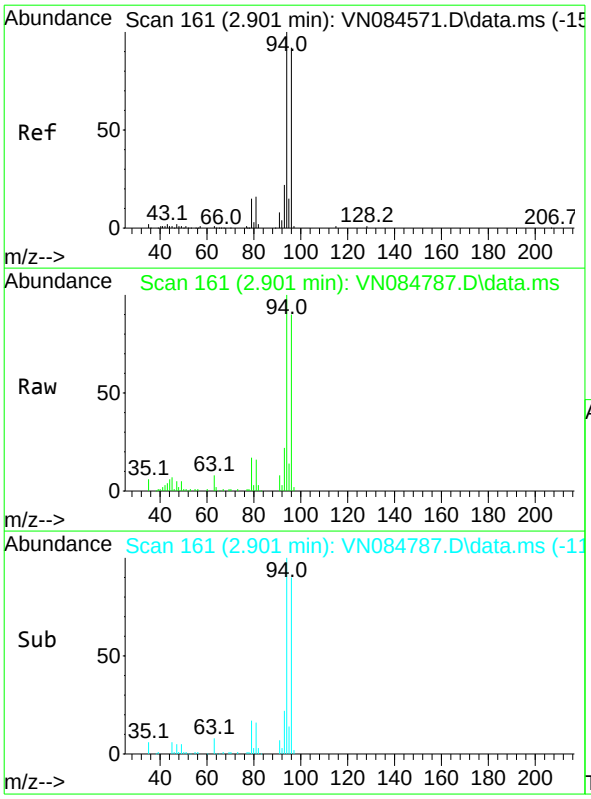


#4
Vinyl Chloride
Concen: 45.776 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 62 Resp: 99906

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4

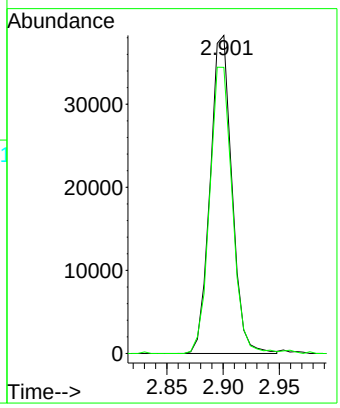




#5
Bromomethane
Concen: 44.644 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 94 Resp: 51624

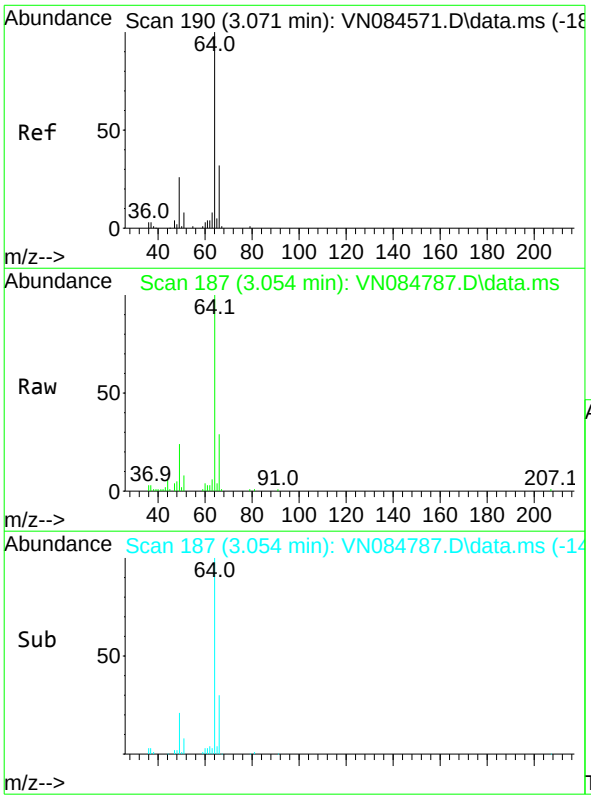
Ion	Ratio	Lower	Upper
94	100		
96	90.0	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

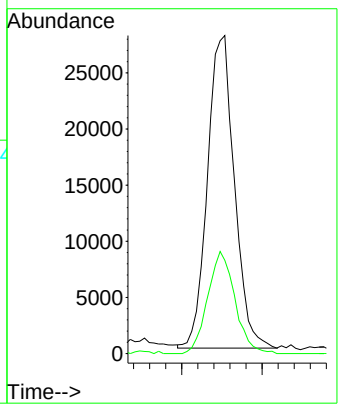
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

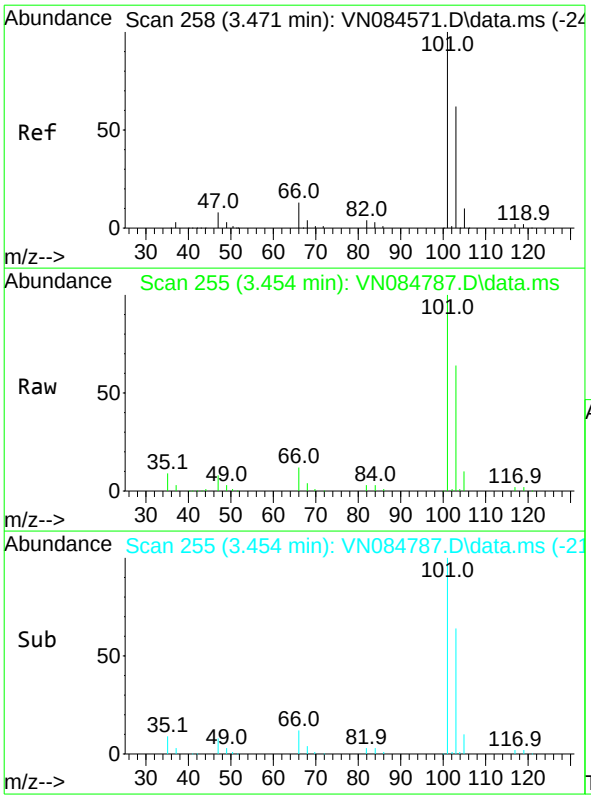


#6
Chloroethane
Concen: 48.061 ug/l
RT: 3.054 min Scan# 187
Delta R.T. -0.064 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 64 Resp: 65003

Ion	Ratio	Lower	Upper
64	100		
66	29.8	23.5	35.3

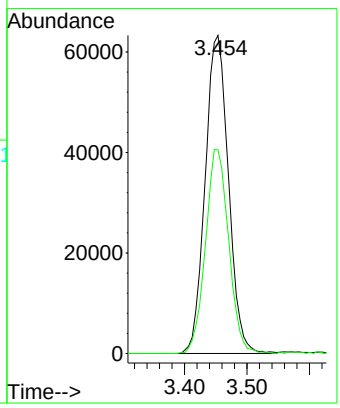




#7
Trichlorofluoromethane
Concen: 45.606 ug/l
RT: 3.454 min Scan# 25
Delta R.T. -0.041 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:101 Resp: 163963

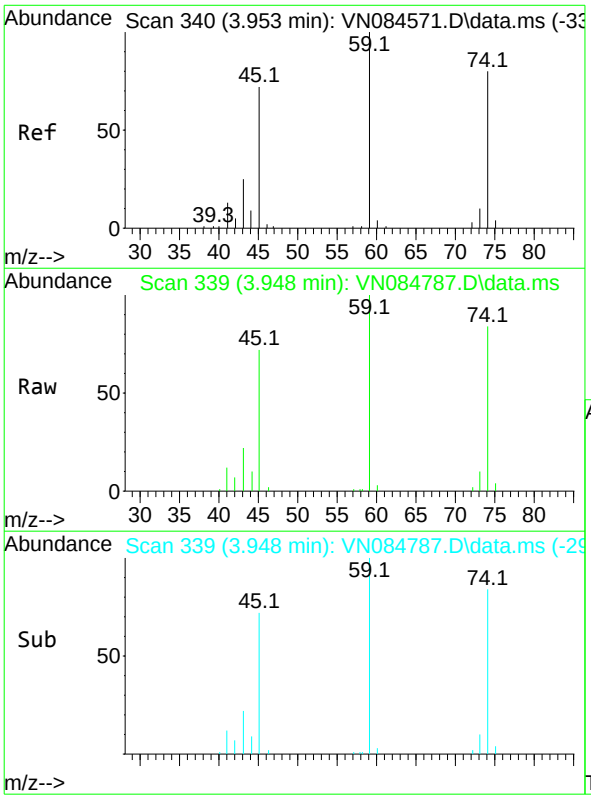
Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

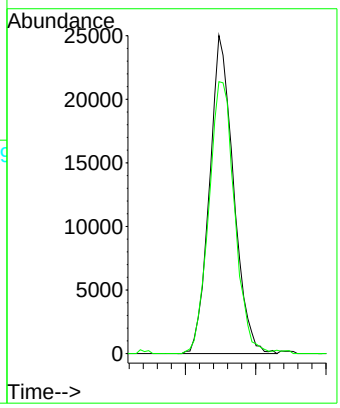
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

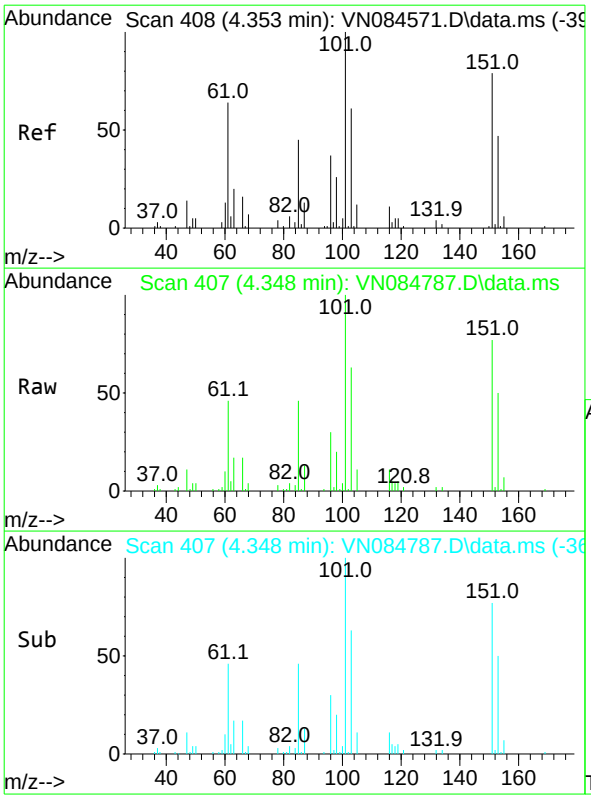


#8
Diethyl Ether
Concen: 46.753 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 74 Resp: 59294

Ion	Ratio	Lower	Upper
74	100		
45	91.7	47.7	143.1

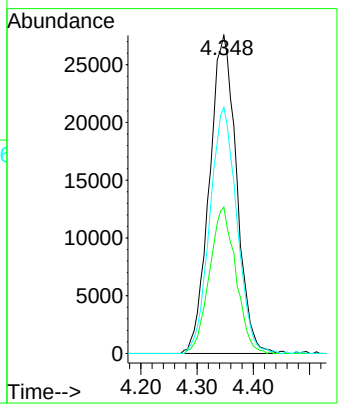




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.414 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:101 Resp: 92258

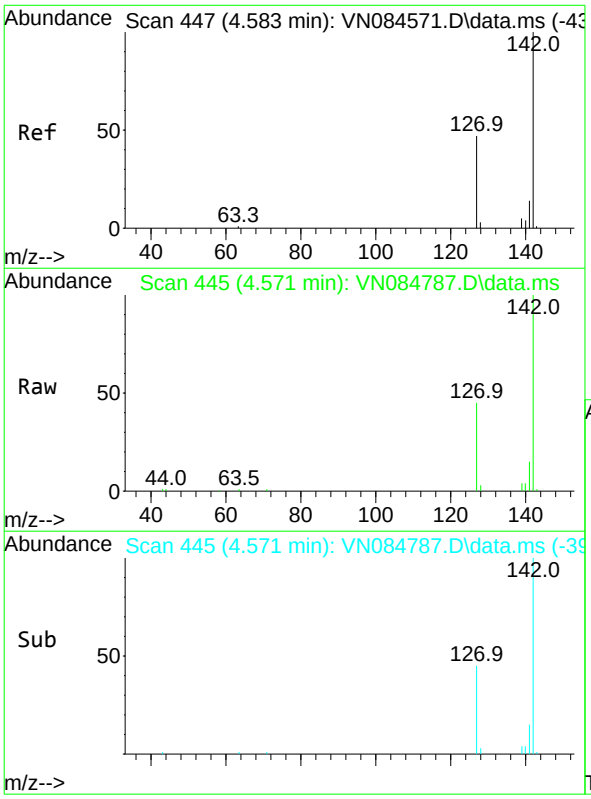
Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.2	54.4
151	77.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

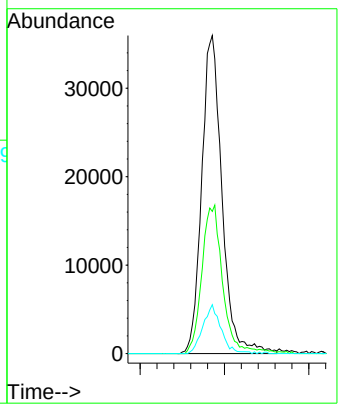
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

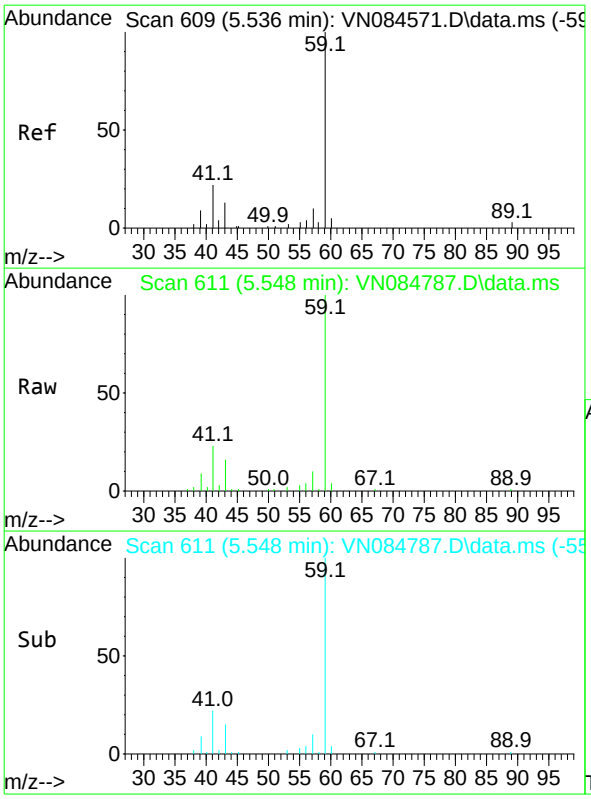


#10
Methyl Iodide
Concen: 44.260 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:142 Resp: 120168

Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.3	52.9
141	15.4	11.0	16.6

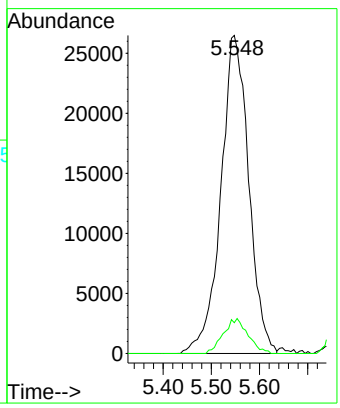




#11
Tert butyl alcohol
Concen: 315.868 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 59 Resp: 106297

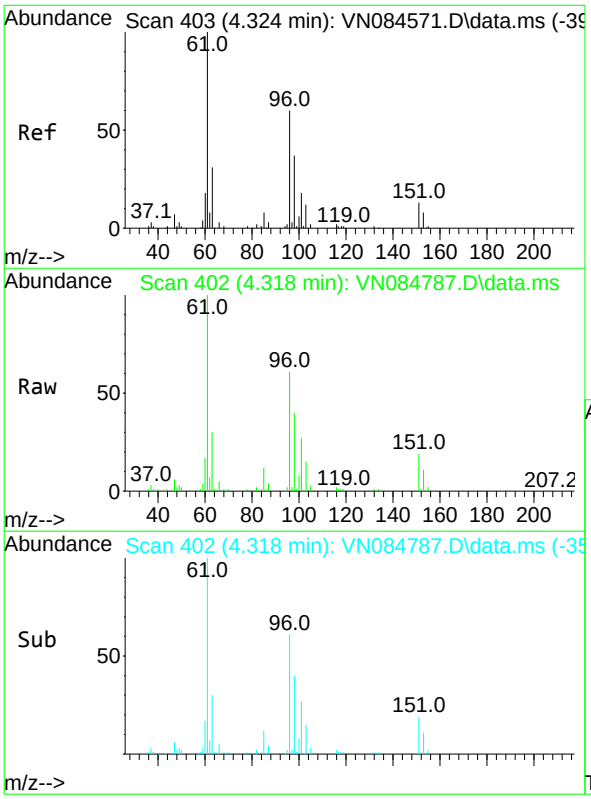
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

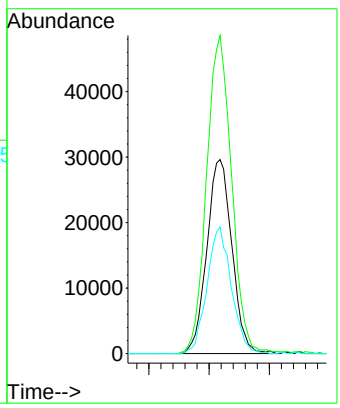
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

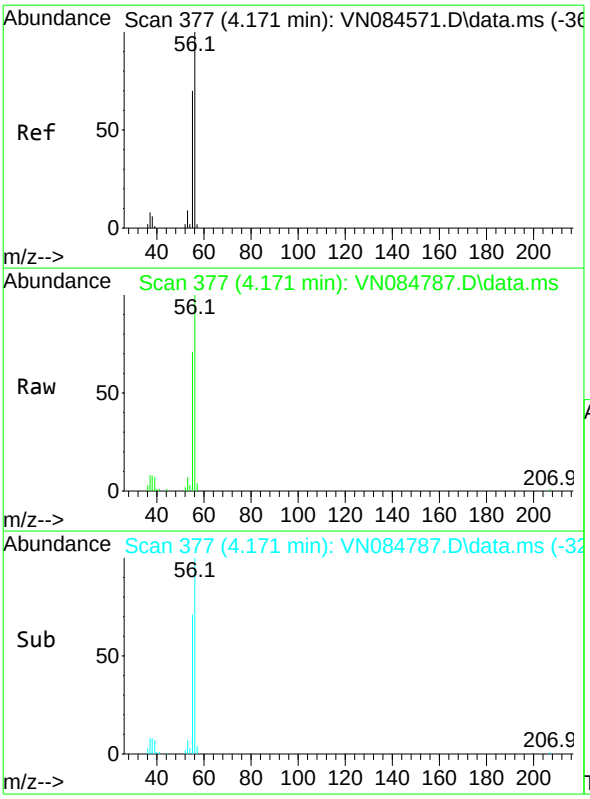


#12
1,1-Dichloroethene
Concen: 42.660 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 96 Resp: 85753

Ion	Ratio	Lower	Upper
96	100		
61	163.9	128.6	192.8
98	65.3	51.7	77.5

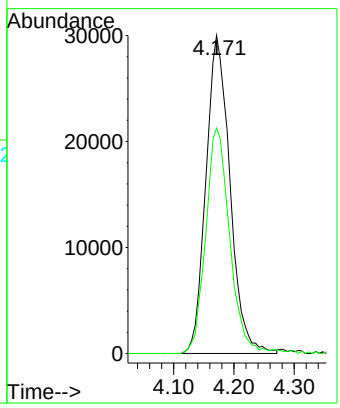




#13
Acrolein
Concen: 247.625 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 56 Resp: 83096

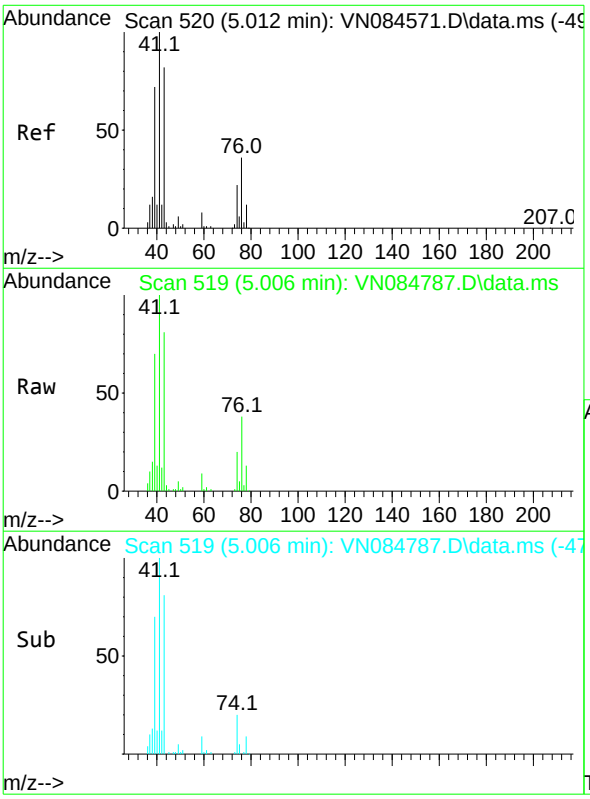
Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

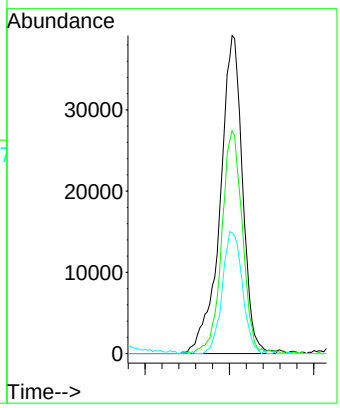
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

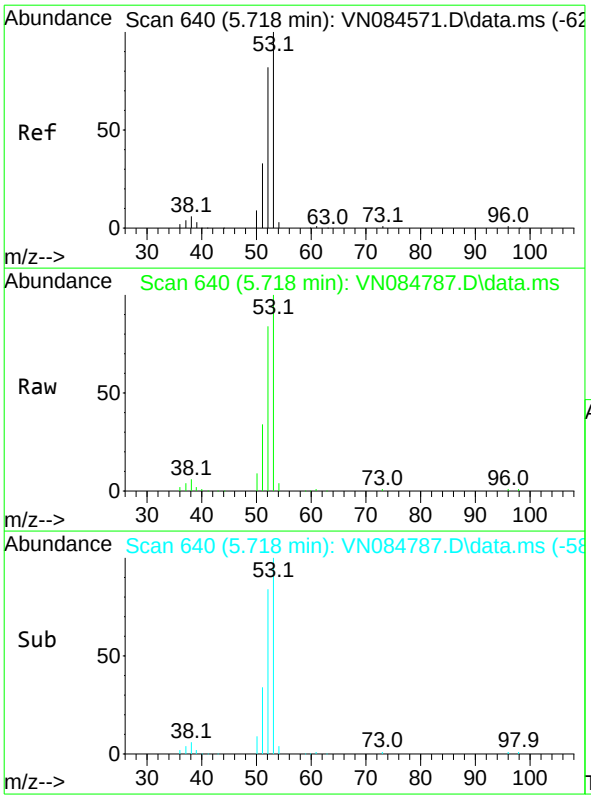


#14
Allyl chloride
Concen: 44.349 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 41 Resp: 144576

Ion	Ratio	Lower	Upper
41	100		
39	64.4	59.0	88.6
76	34.3	29.8	44.6





#15
Acrylonitrile
Concen: 251.991 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

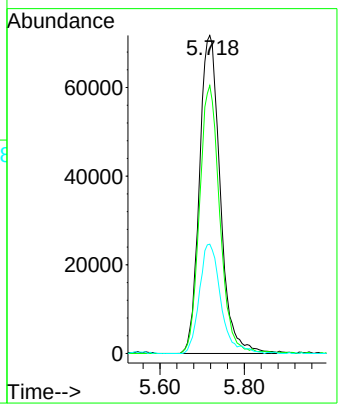
Tgt Ion: 53 Resp: 245495

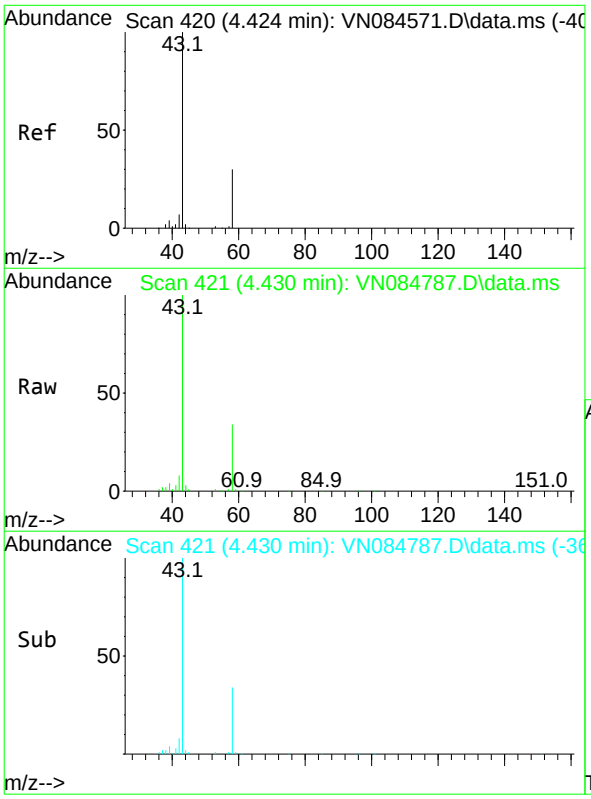
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.4	28.8	43.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

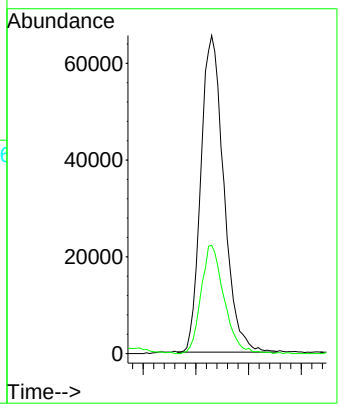


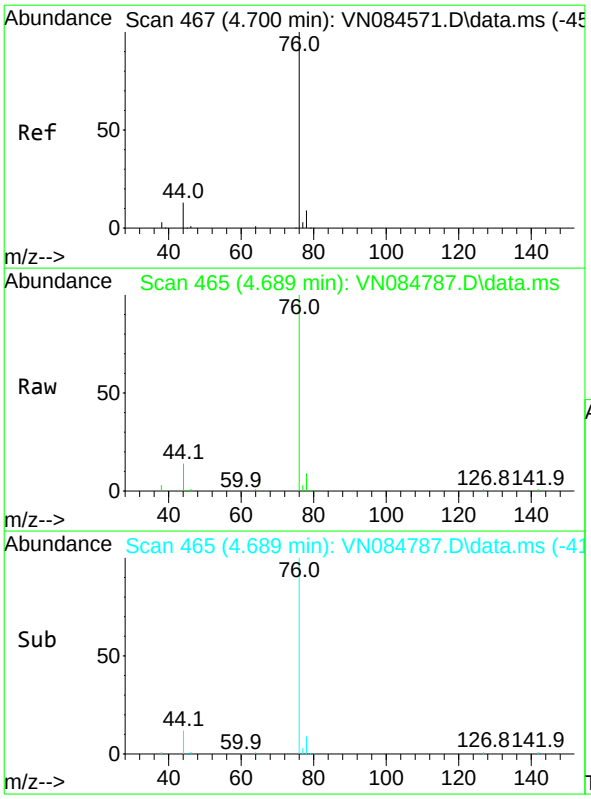


#16
Acetone
Concen: 269.348 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 198198

Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.4	36.6

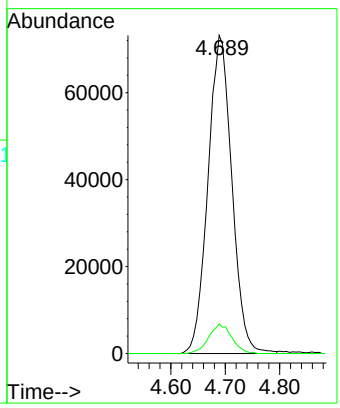




#17
Carbon Disulfide
Concen: 36.038 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 76 Resp: 223087

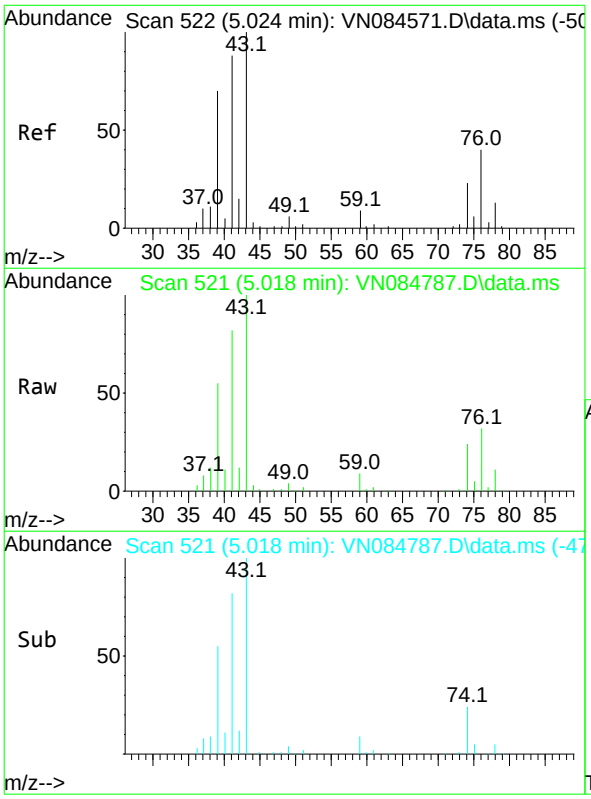
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

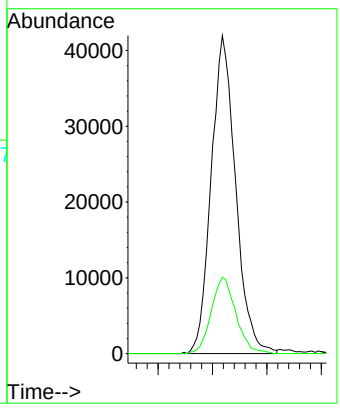
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

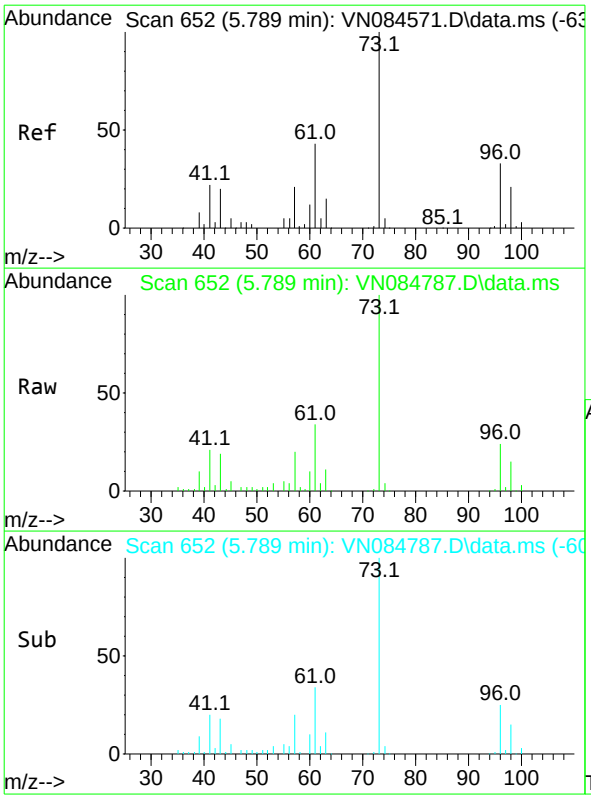


#18
Methyl Acetate
Concen: 48.542 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 130899

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

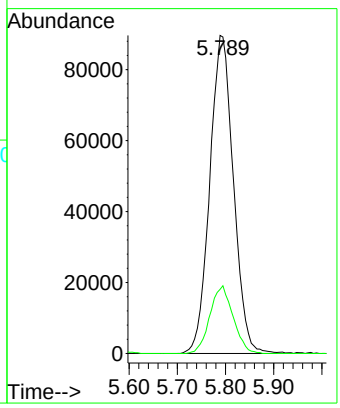




#19
Methyl tert-butyl Ether
Concen: 49.595 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 73 Resp: 305562

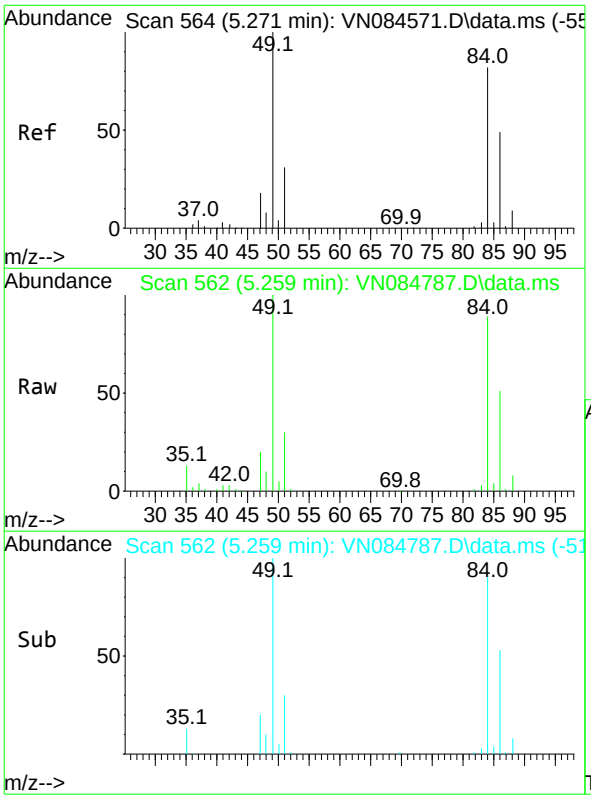
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

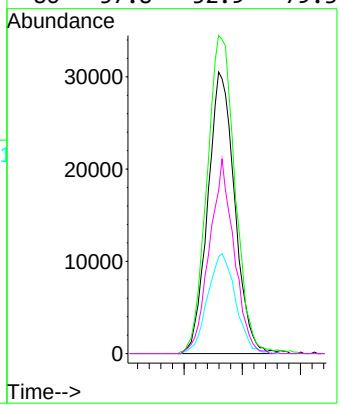
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

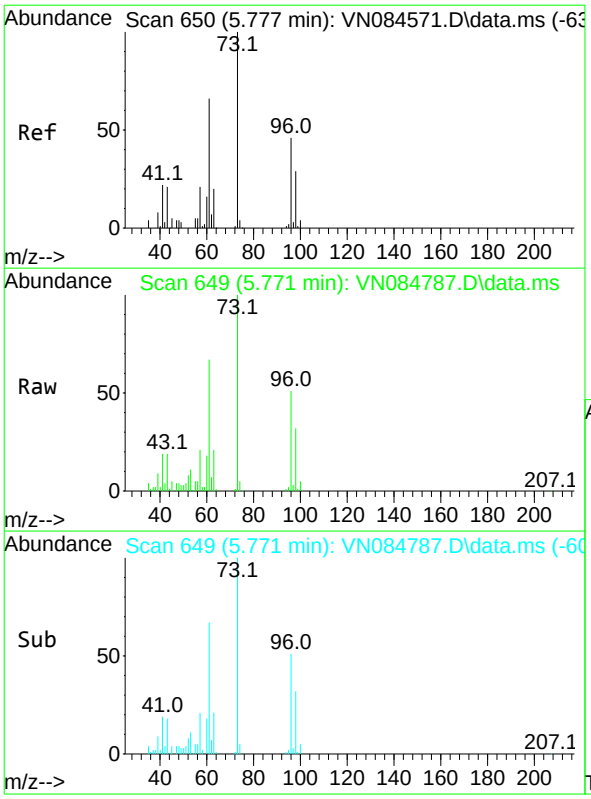


#20
Methylene Chloride
Concen: 43.728 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 84 Resp: 98051

Ion	Ratio	Lower	Upper
84	100		
49	112.9	107.2	160.8
51	34.3	31.8	47.8
86	57.8	52.9	79.3

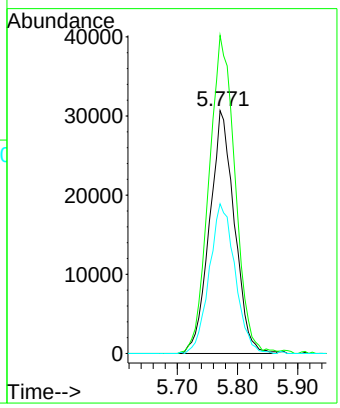




#21
trans-1,2-Dichloroethene
Concen: 42.641 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 96 Resp: 88013

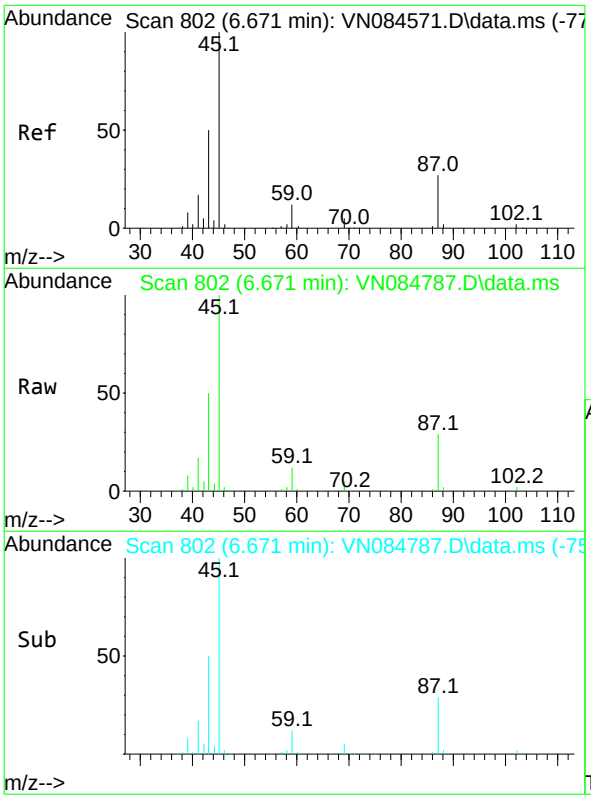
Ion	Ratio	Lower	Upper
96	100		
61	131.0	108.4	162.6
98	61.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

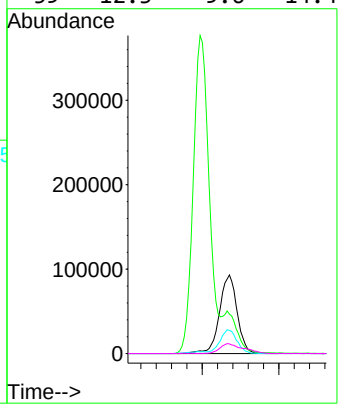
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

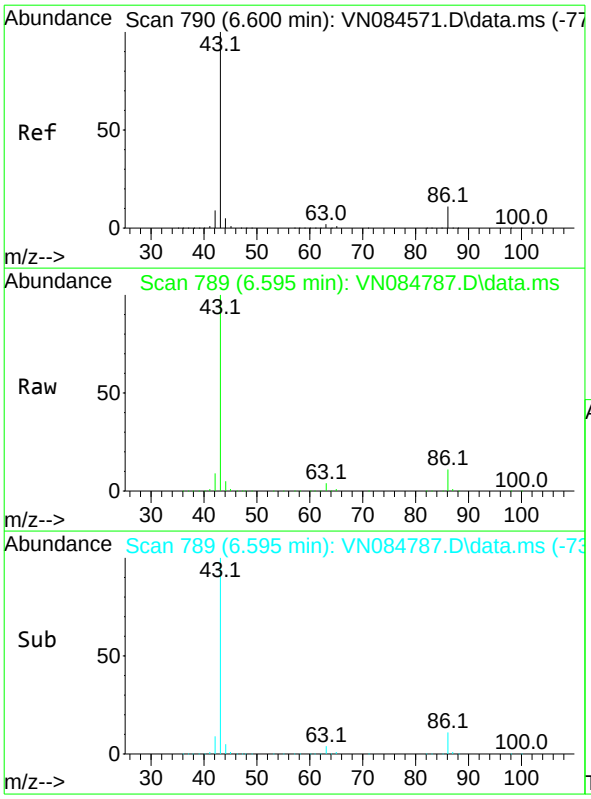


#22
Diisopropyl ether
Concen: 46.040 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 45 Resp: 298223

Ion	Ratio	Lower	Upper
45	100		
43	49.5	42.3	63.5
87	29.4	21.8	32.6
59	12.3	9.6	14.4

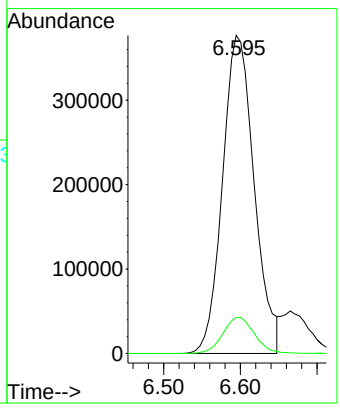




#23
Vinyl Acetate
Concen: 242.044 ug/l
RT: 6.595 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 1081205

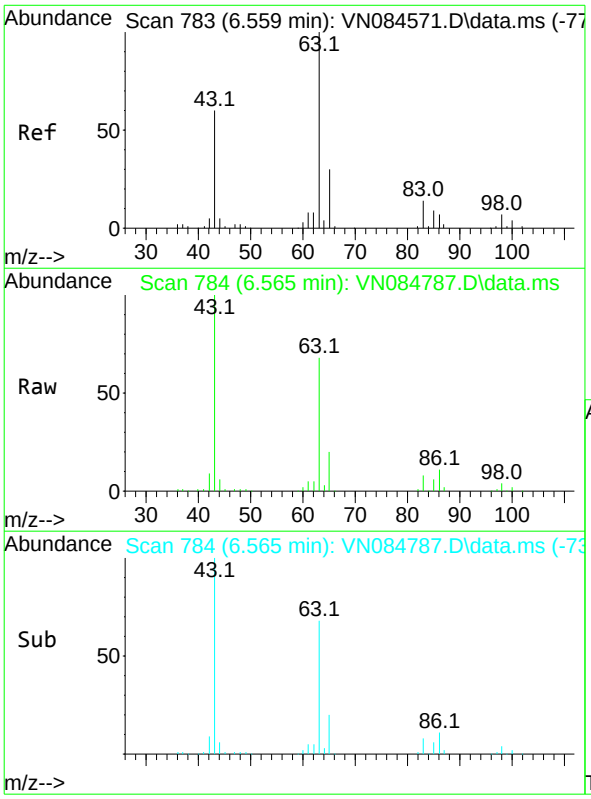
Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

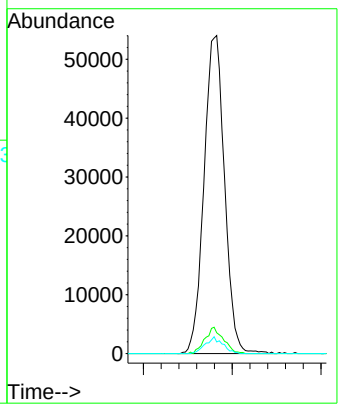
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

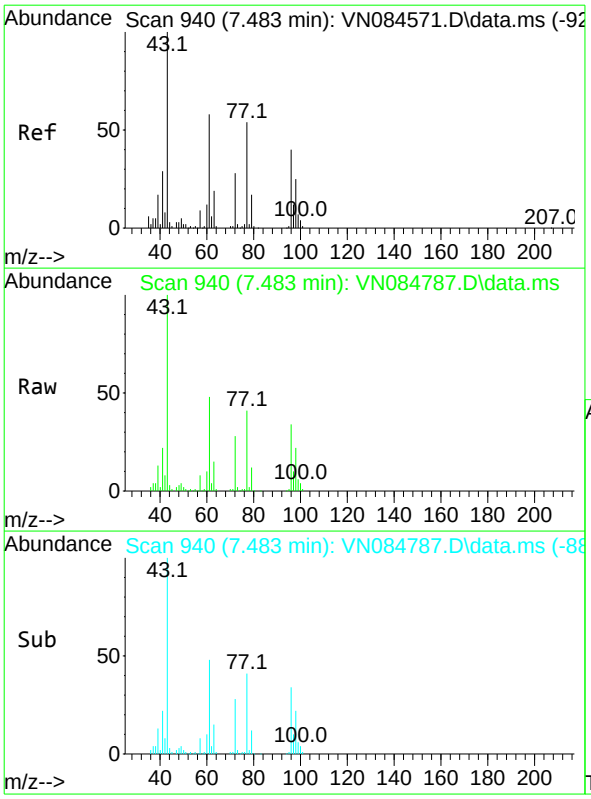


#24
1,1-Dichloroethane
Concen: 44.661 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 63 Resp: 173686

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	3.7	2.0	5.8

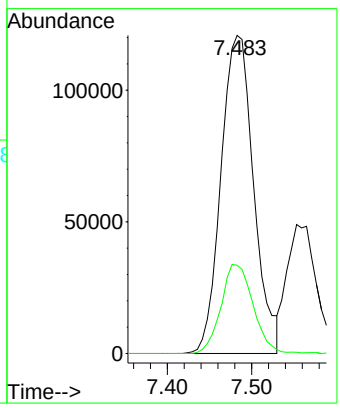




#25
2-Butanone
Concen: 273.920 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 325803

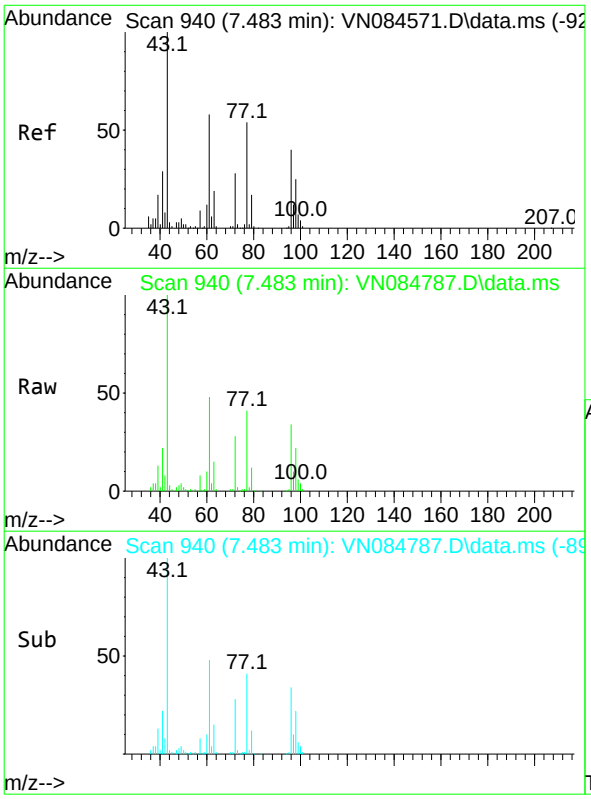
Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

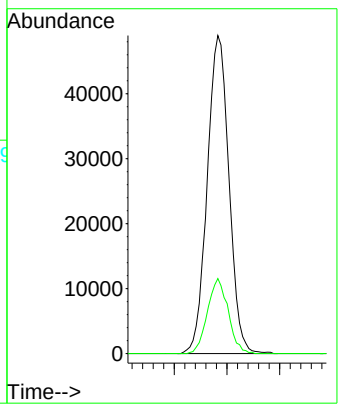
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

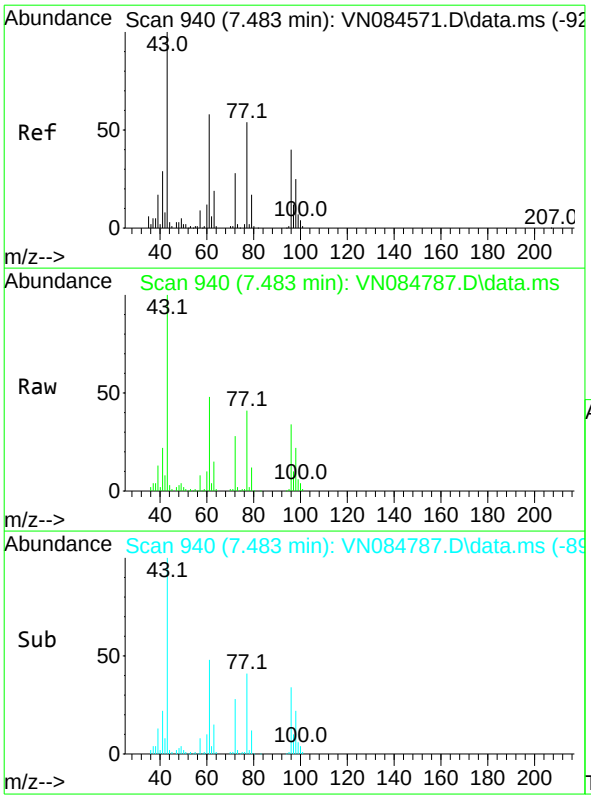


#26
2,2-Dichloropropane
Concen: 41.411 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 77 Resp: 140167

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3

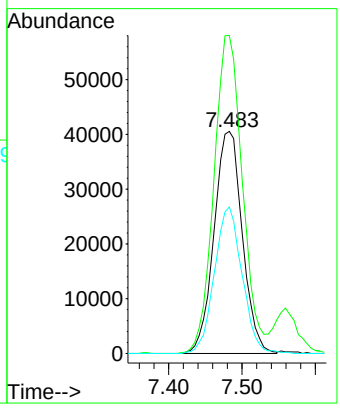




#27
cis-1,2-Dichloroethene
Concen: 45.057 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 96 Resp: 108592

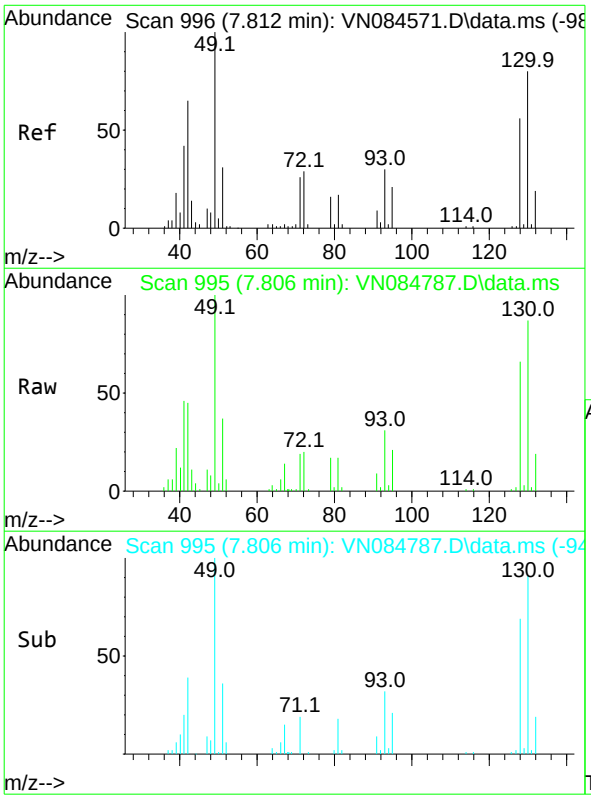
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.8
98	64.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

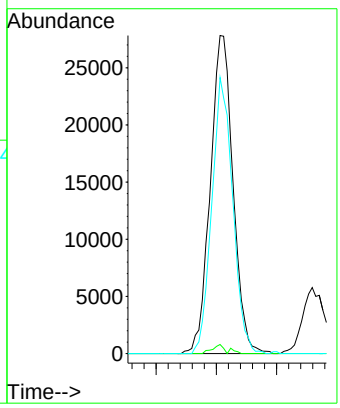
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

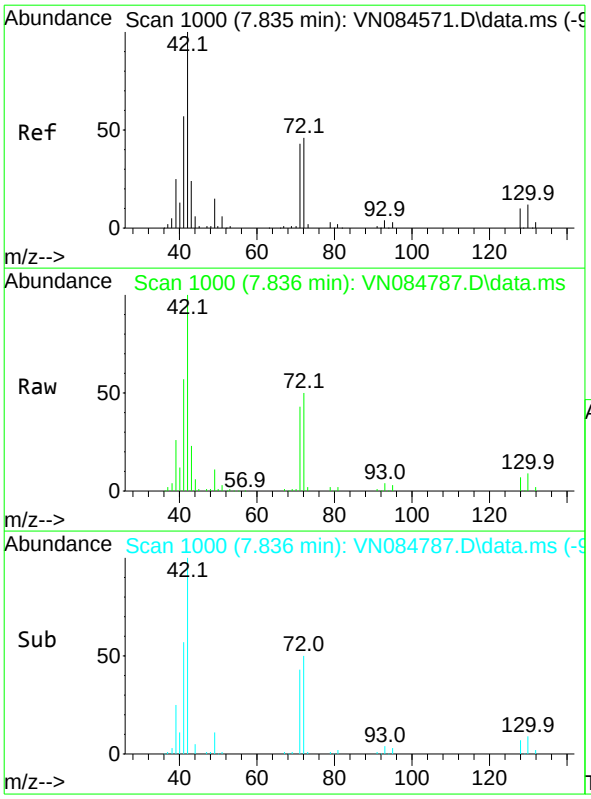


#28
Bromochloromethane
Concen: 47.101 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 49 Resp: 72979

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	79.7	58.0	87.0

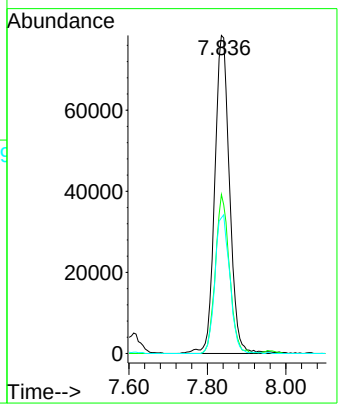




#29
Tetrahydrofuran
Concen: 260.536 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 42 Resp: 205582

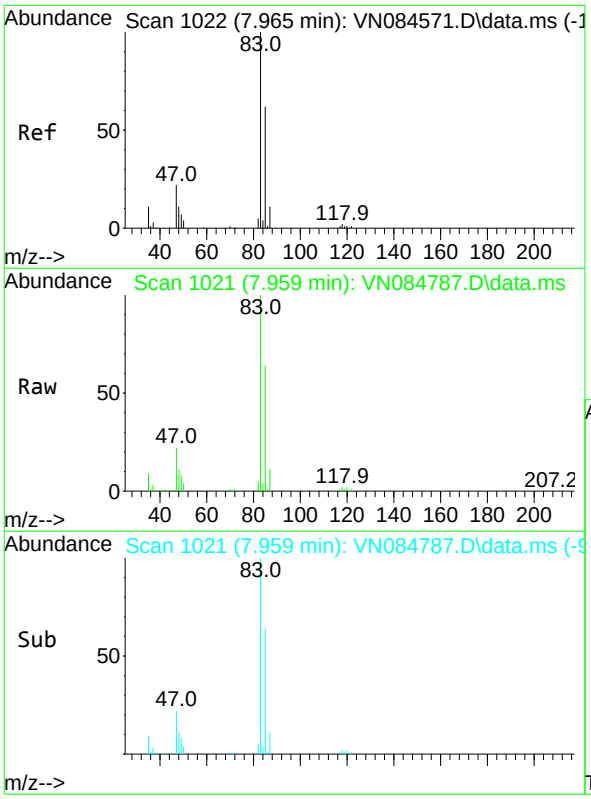
Ion	Ratio	Lower	Upper
42	100		
72	47.1	34.6	51.8
71	43.5	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

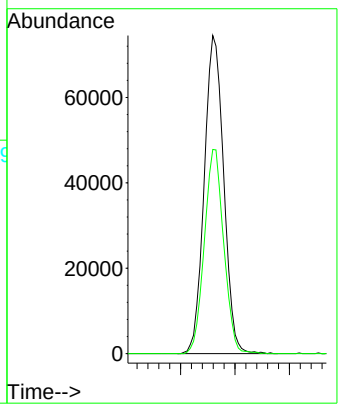
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

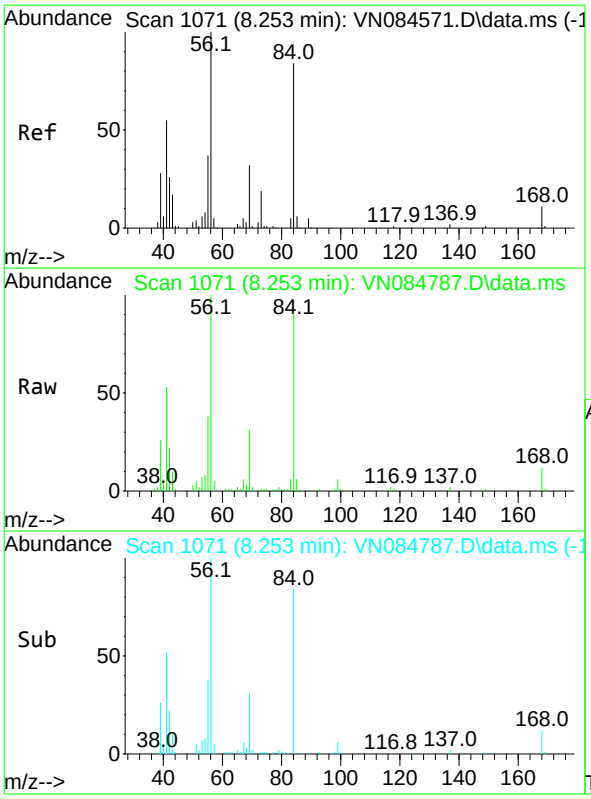


#30
Chloroform
Concen: 46.764 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 83 Resp: 185103

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4

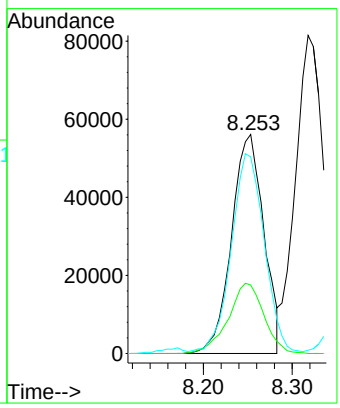




#31
Cyclohexane
Concen: 40.267 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 56 Resp: 141733

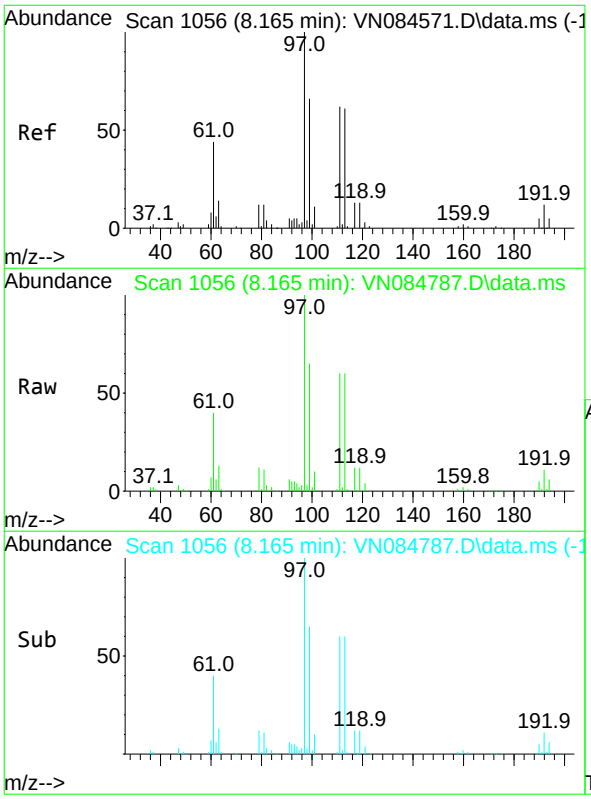
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	87.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

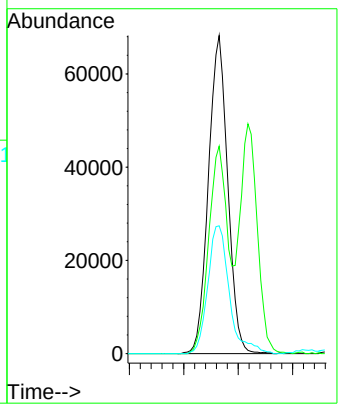
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

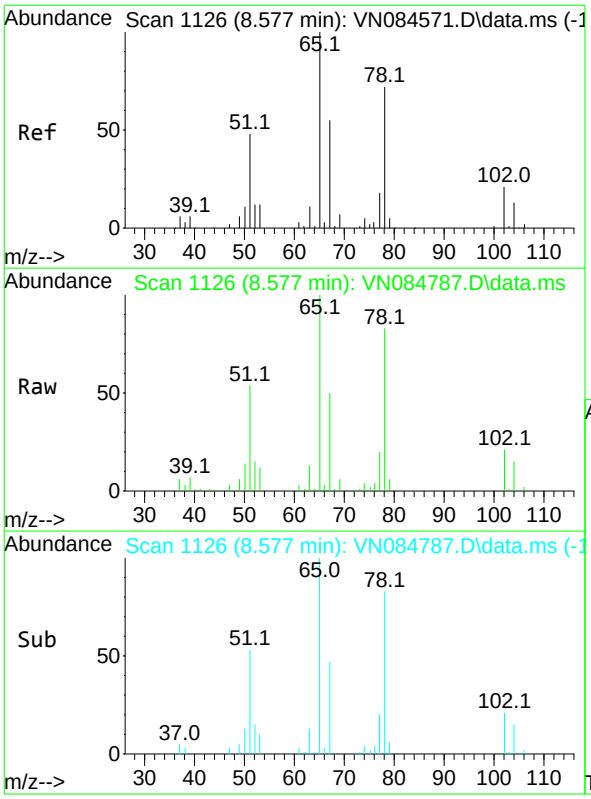


#32
1,1,1-Trichloroethane
Concen: 46.644 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 97 Resp: 168045

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	44.8	37.5	56.3

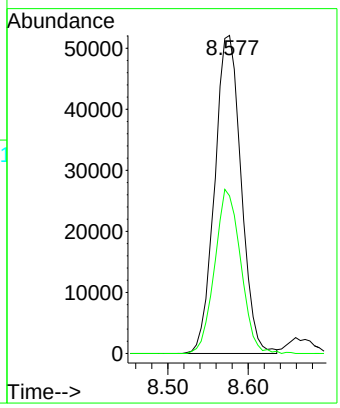




#33
1,2-Dichloroethane-d4
Concen: 46.659 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 65 Resp: 118955

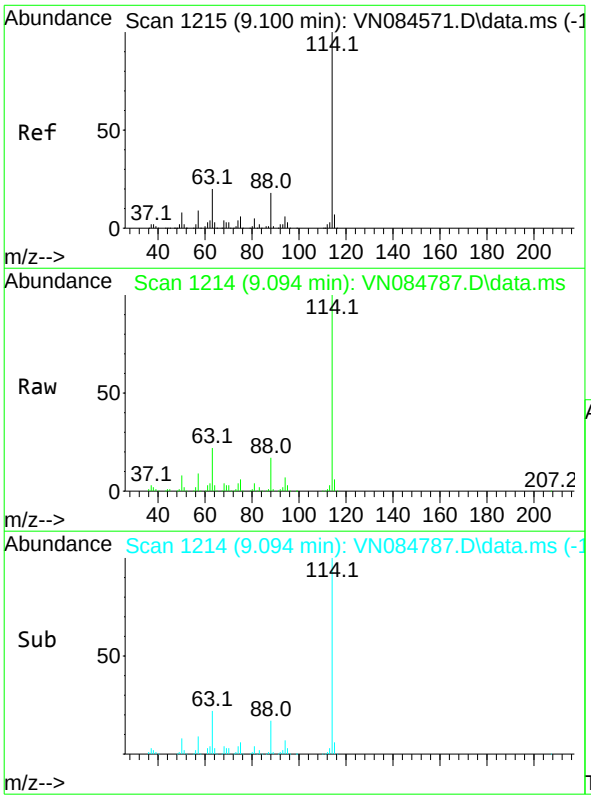
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

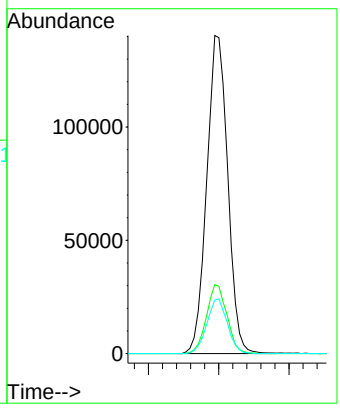
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

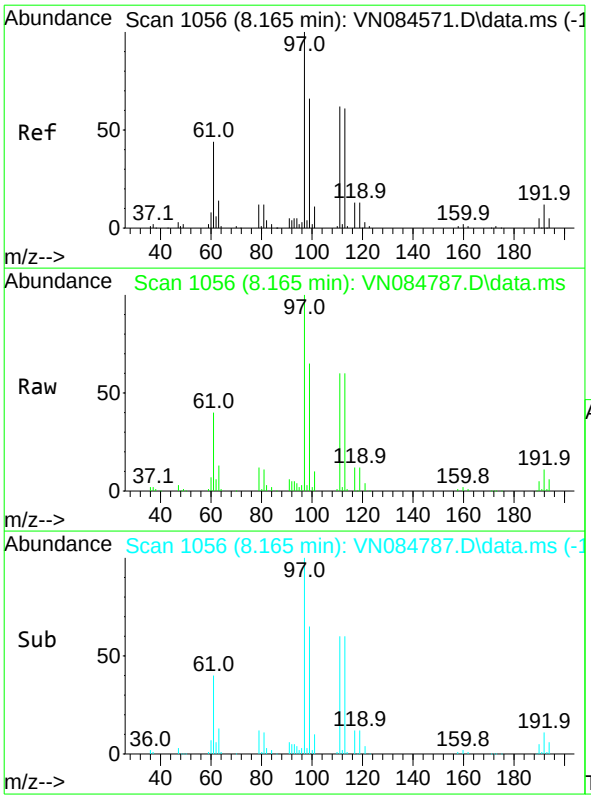


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:114 Resp: 291331

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.9	0.0	31.6

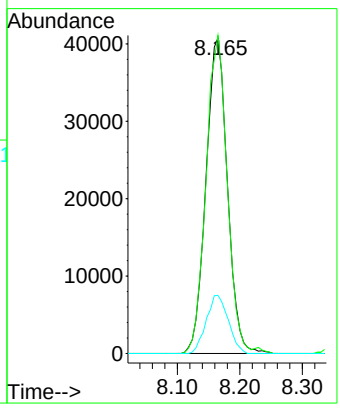




#35
Dibromofluoromethane
Concen: 49.349 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:113 Resp: 97314

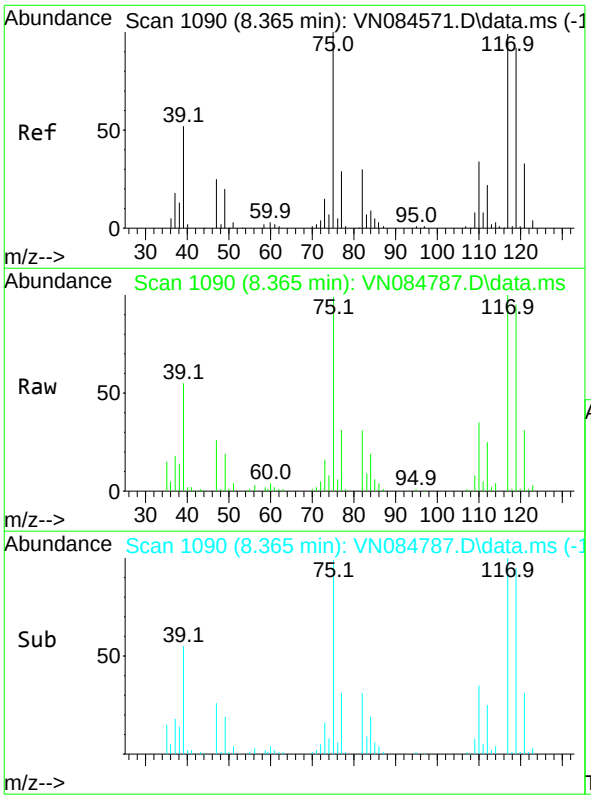
Ion	Ratio	Lower	Upper
113	100		
111	99.4	83.3	124.9
192	18.9	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

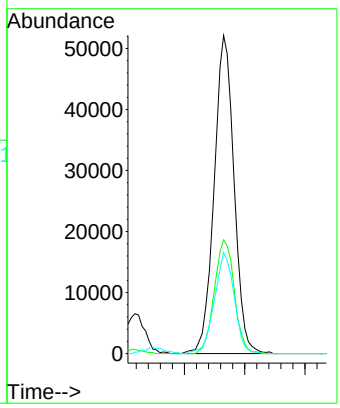
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

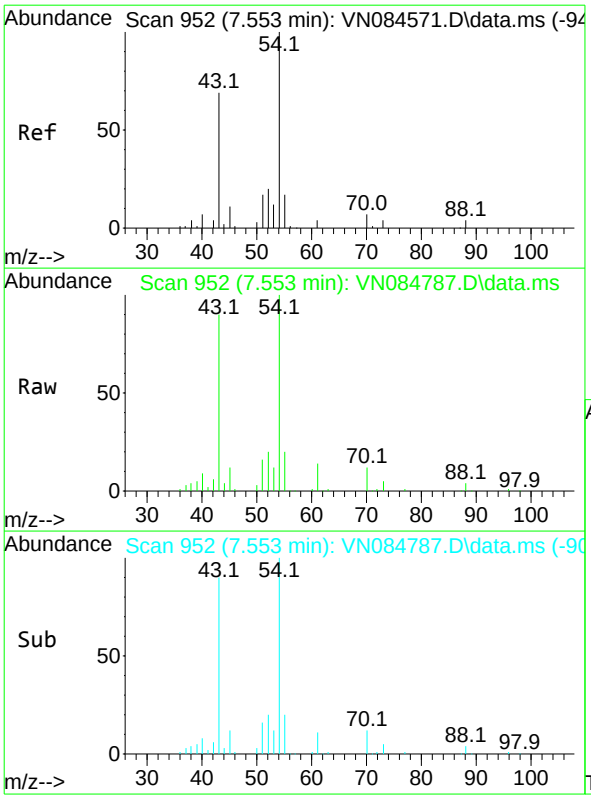


#36
1,1-Dichloropropene
Concen: 43.735 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 119608

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.7	24.7	37.1





#37
Ethyl Acetate
Concen: 49.688 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

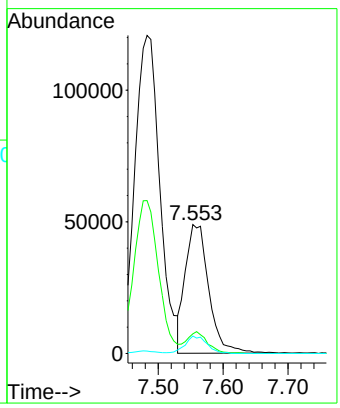
Tgt Ion: 43 Resp: 123291

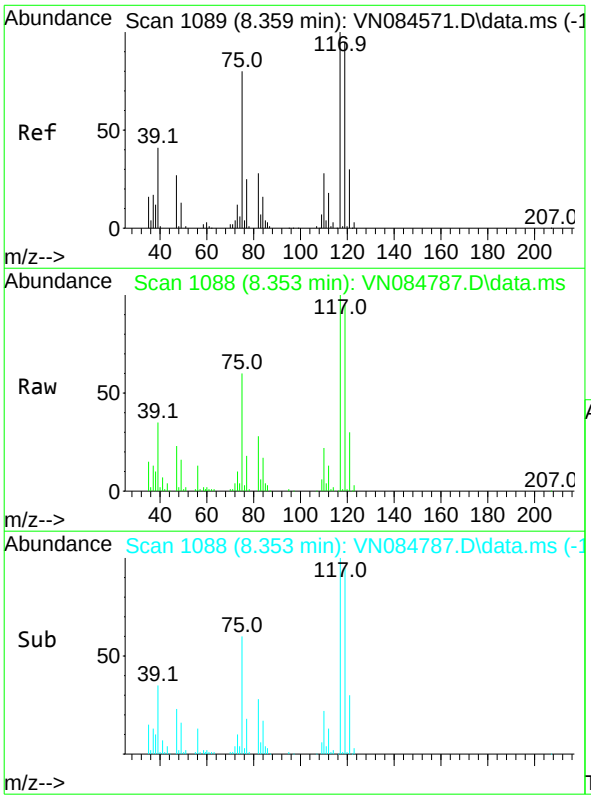
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	12.5	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

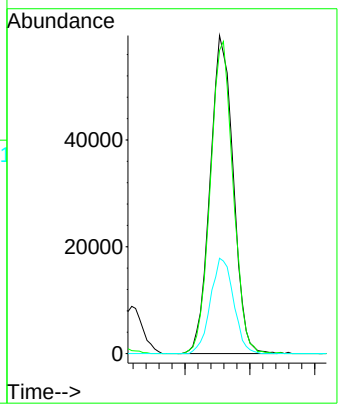


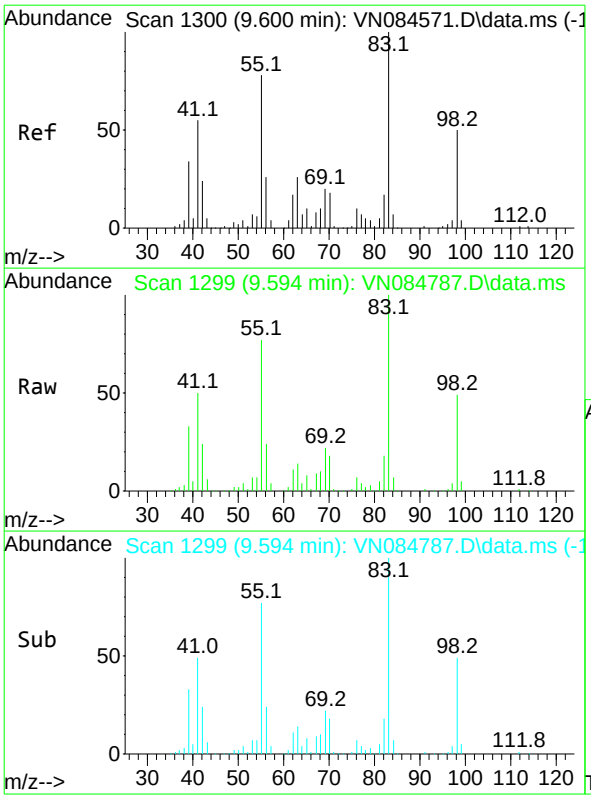


#38
Carbon Tetrachloride
Concen: 48.253 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:117 Resp: 147502

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	30.0	24.4	36.6

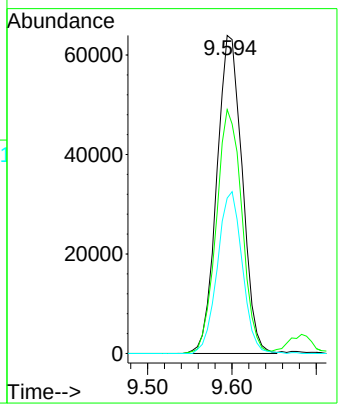




#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 83 Resp: 133862

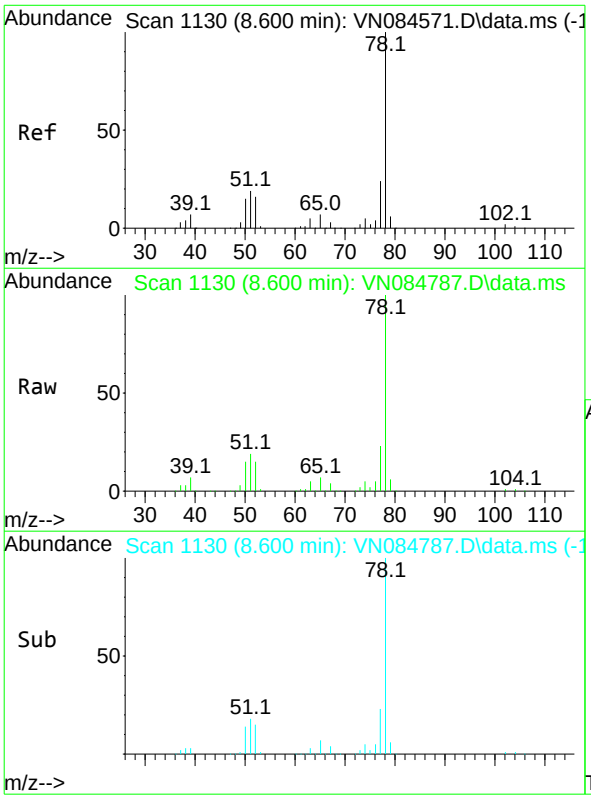
Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	48.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

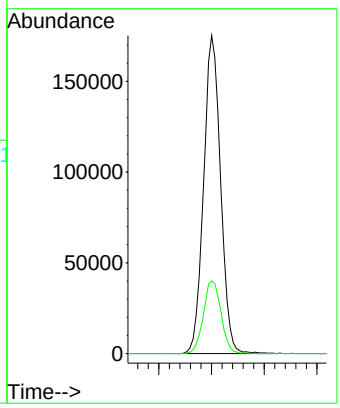
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

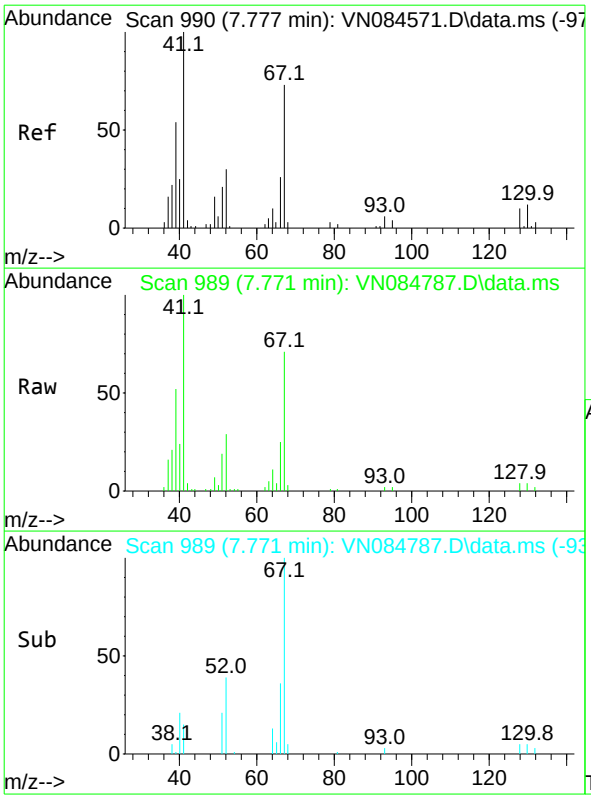


#40
Benzene
Concen: 44.569 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 78 Resp: 391445

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7

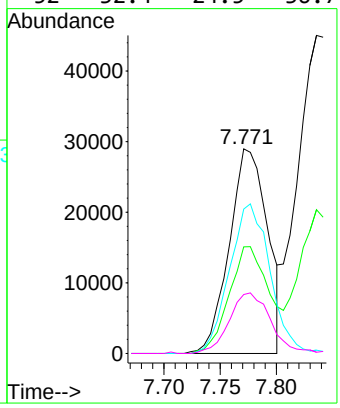




#41
Methacrylonitrile
Concen: 51.372 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 41 Resp: 68548

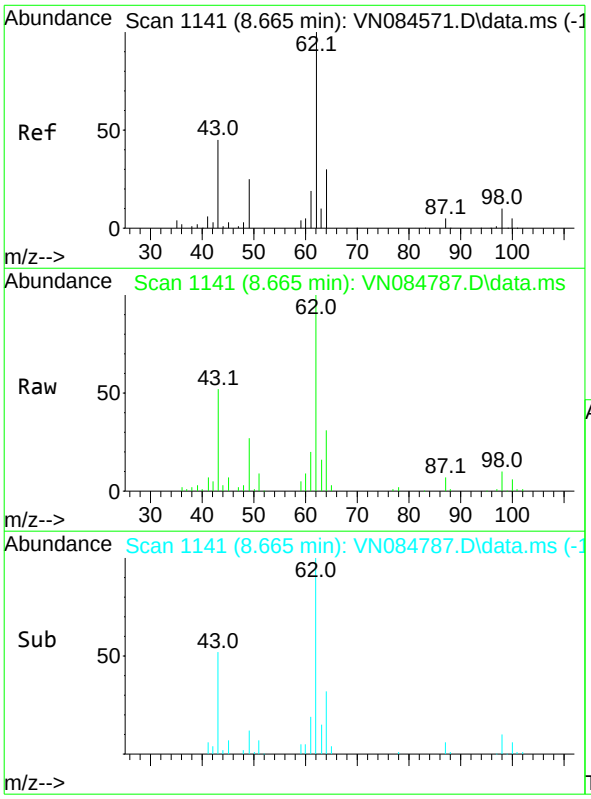
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	77.7	56.1	84.1
52	32.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

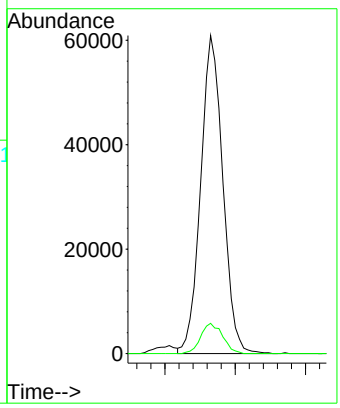
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

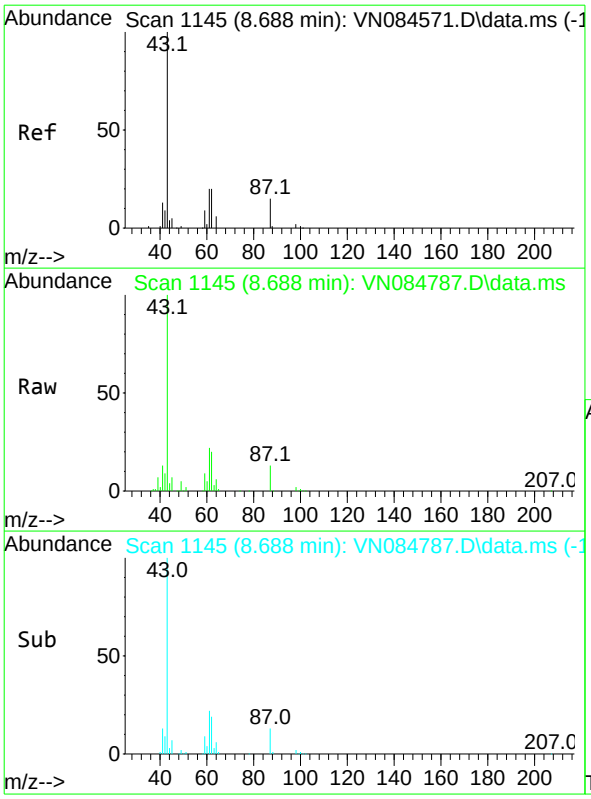


#42
1,2-Dichloroethane
Concen: 46.931 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 62 Resp: 133491

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
Isopropyl Acetate
Concen: 53.170 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

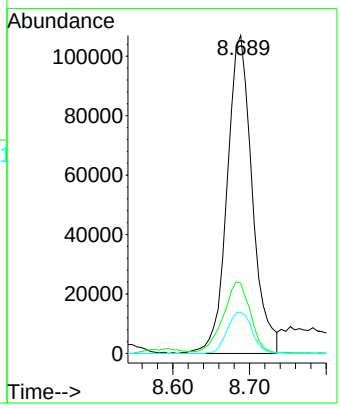
Tgt Ion: 43 Resp: 243452

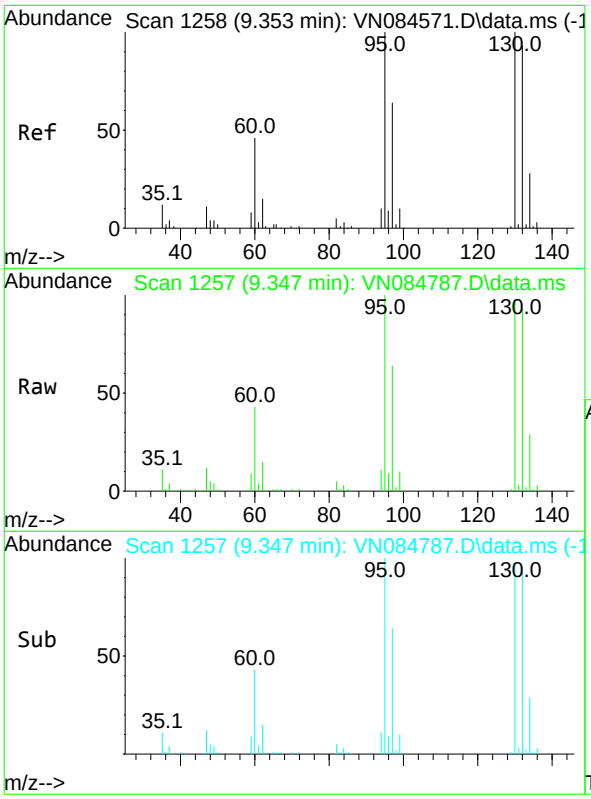
Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.8	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

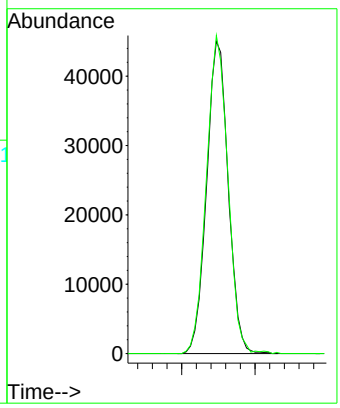


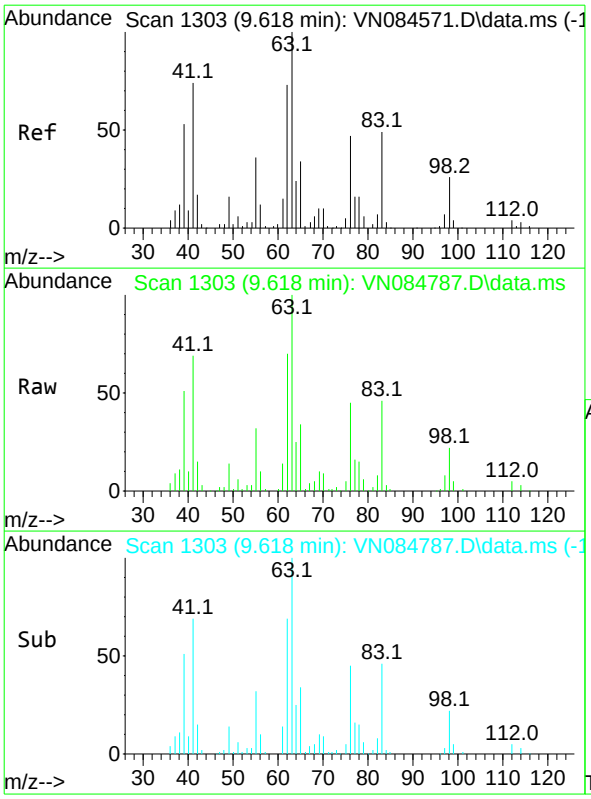


#44
Trichloroethene
Concen: 45.377 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:130 Resp: 91914

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0

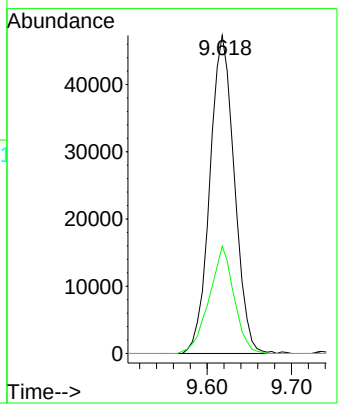




#45
1,2-Dichloropropane
Concen: 46.403 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 63 Resp: 95605

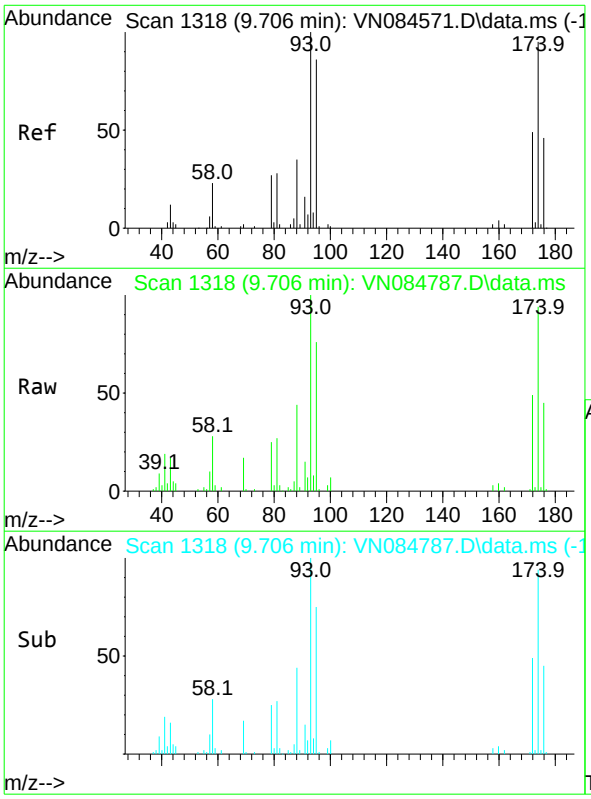
Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

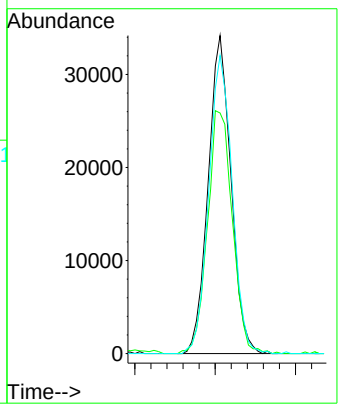
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

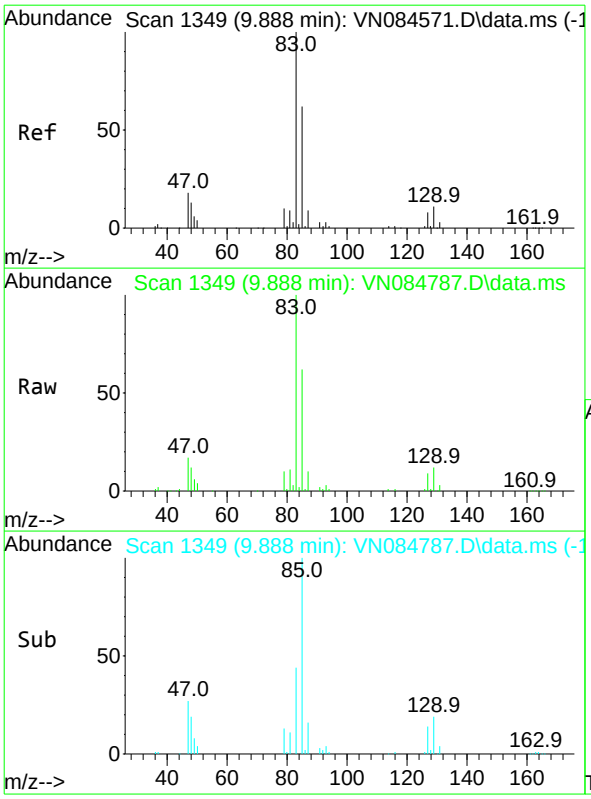


#46
Dibromomethane
Concen: 46.413 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 93 Resp: 67476

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.0	97.4
174	96.0	71.8	107.8

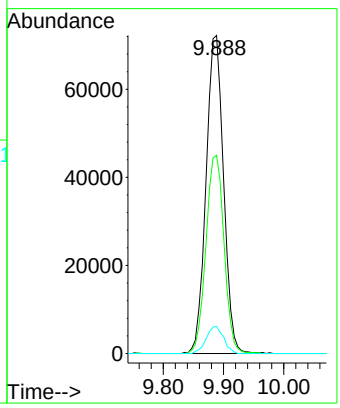




#47
Bromodichloromethane
Concen: 47.610 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 83 Resp: 145902

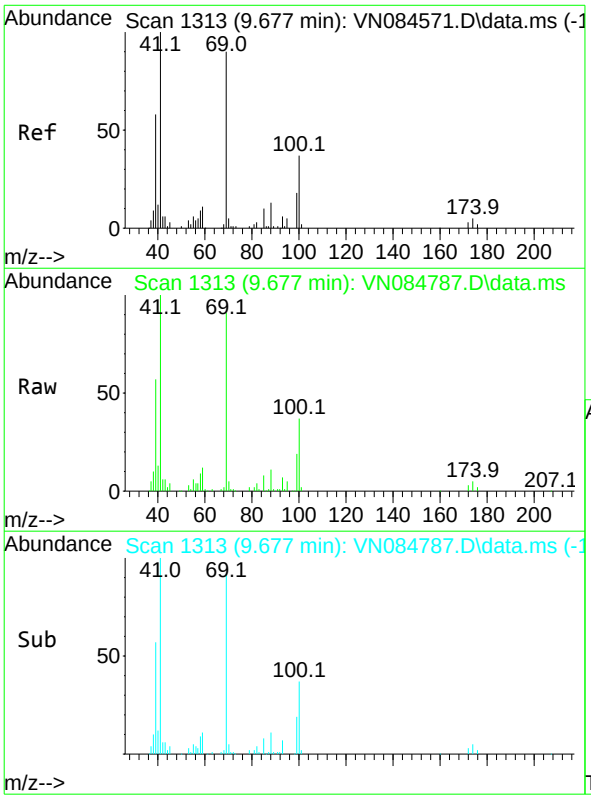
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	8.6	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

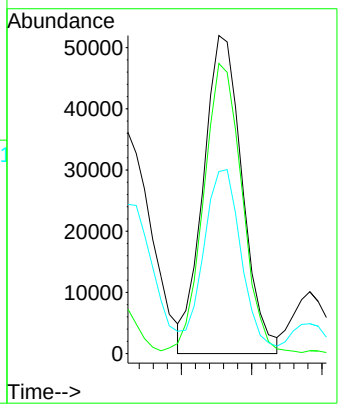
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

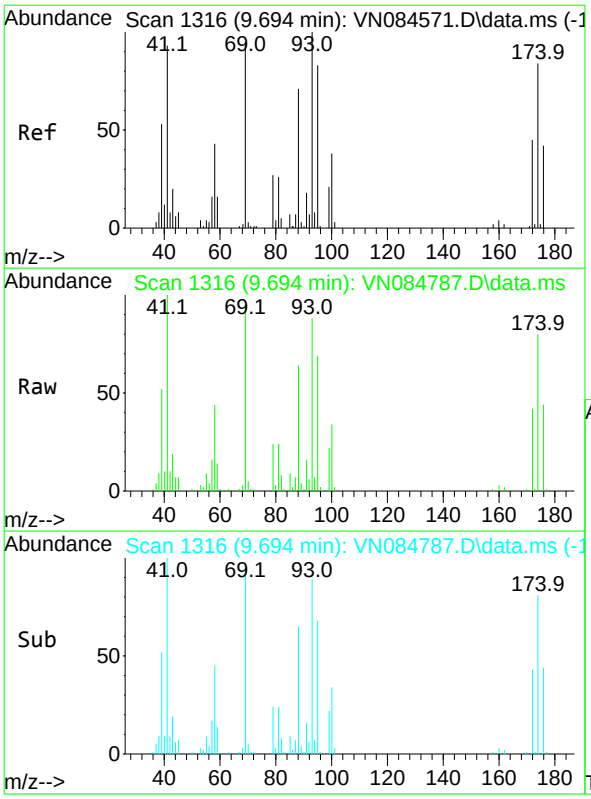


#48
Methyl methacrylate
Concen: 51.941 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 41 Resp: 100305

Ion	Ratio	Lower	Upper
41	100		
69	89.3	67.1	100.7
39	56.9	45.8	68.6

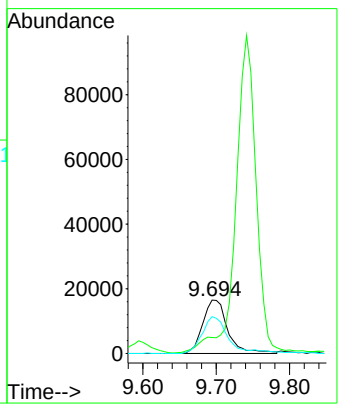




#49
1,4-Dioxane
Concen: 1139.238 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 88 Resp: 38986

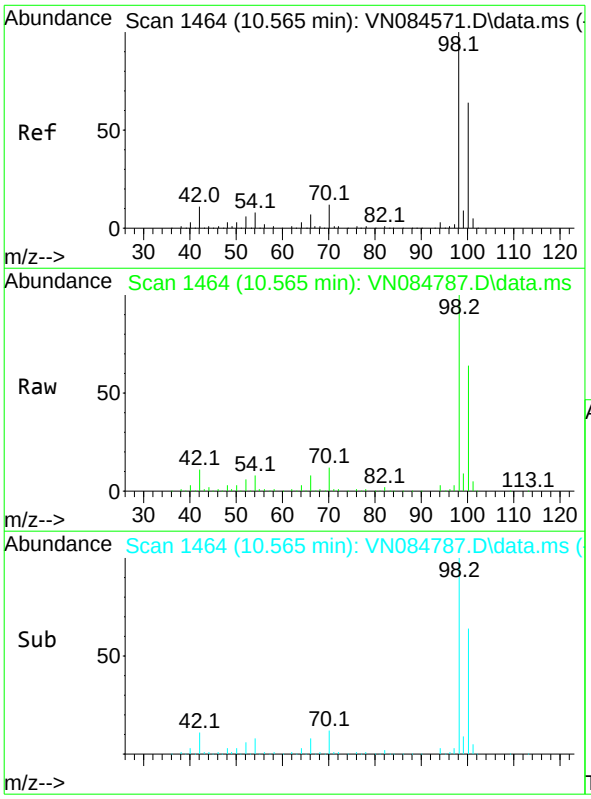
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.0	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

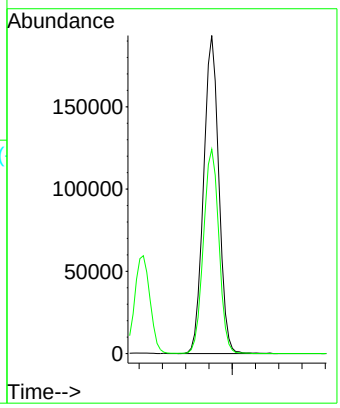
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

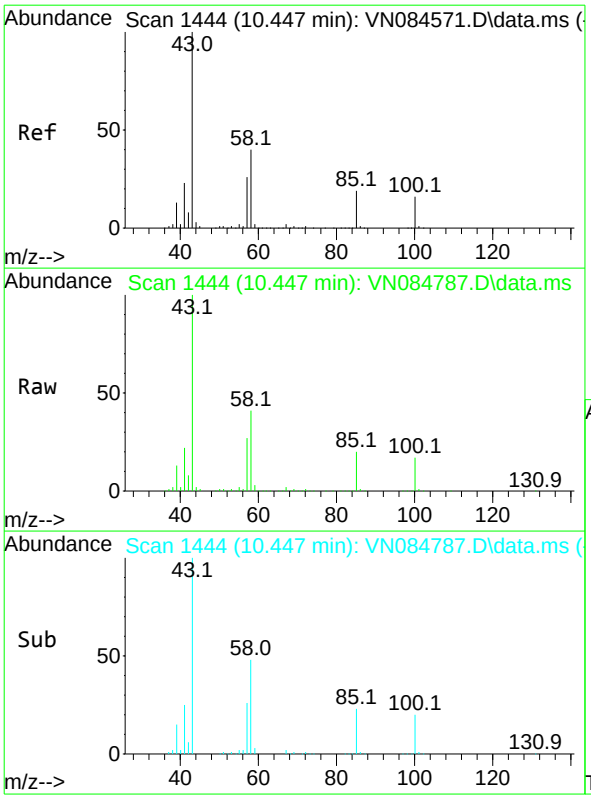


#50
Toluene-d8
Concen: 48.386 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 98 Resp: 351476

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

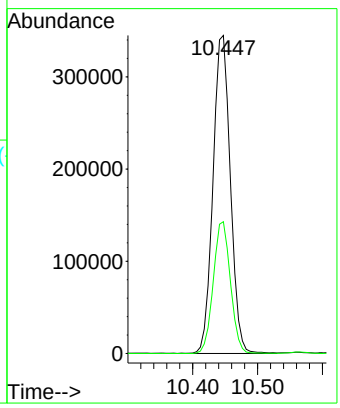




#51
4-Methyl-2-Pentanone
Concen: 271.309 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 641767

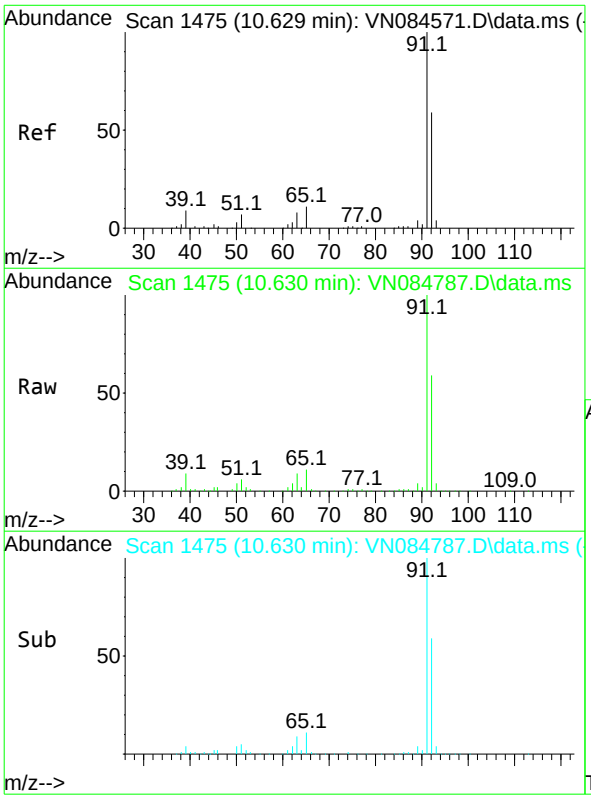
Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

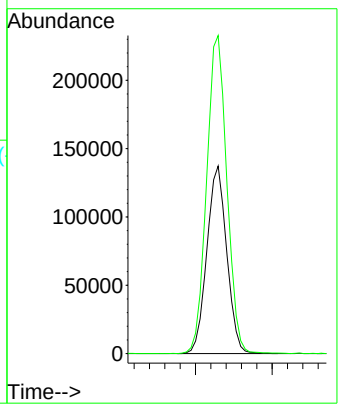
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

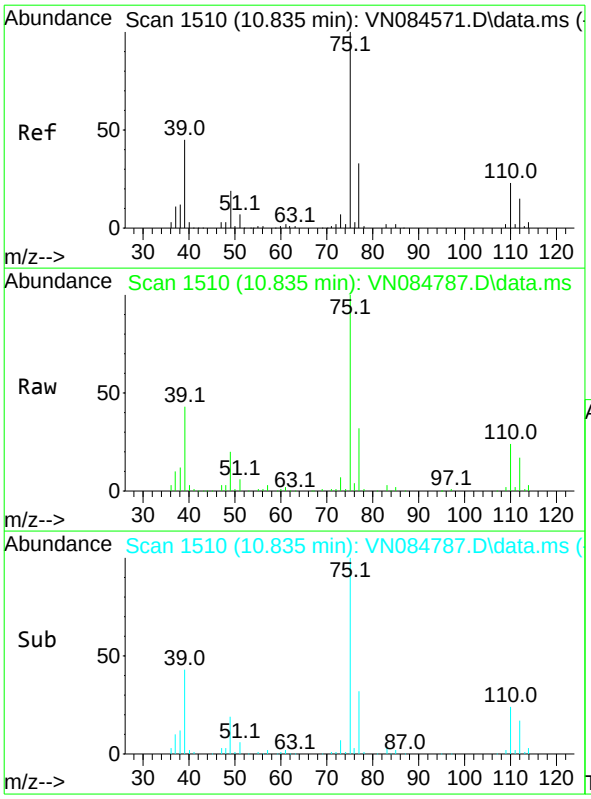


#52
Toluene
Concen: 47.993 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 92 Resp: 246524

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9

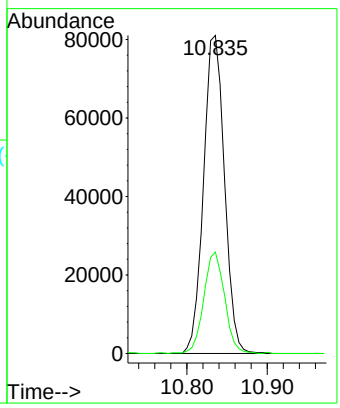




#53
t-1,3-Dichloropropene
Concen: 46.248 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 146707

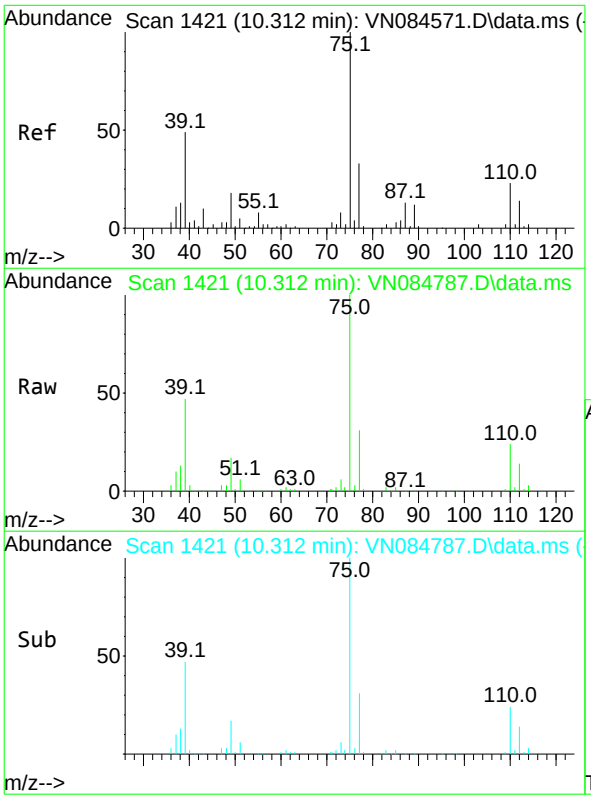
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

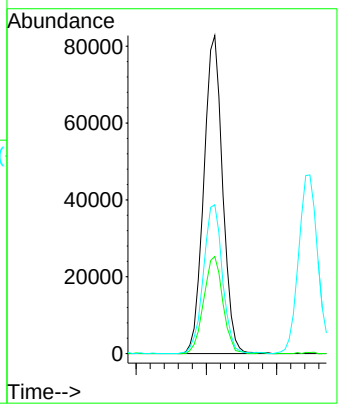
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

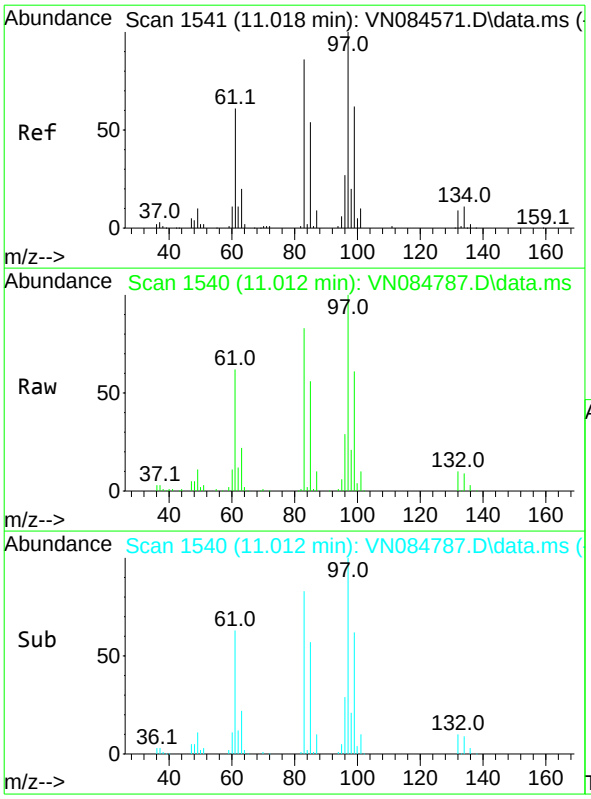


#54
cis-1,3-Dichloropropene
Concen: 45.810 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 153802

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2
39	46.8	38.7	58.1

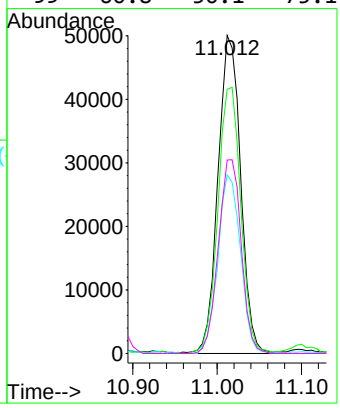




#55
1,1,2-Trichloroethane
Concen: 48.273 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 97 Resp: 93404

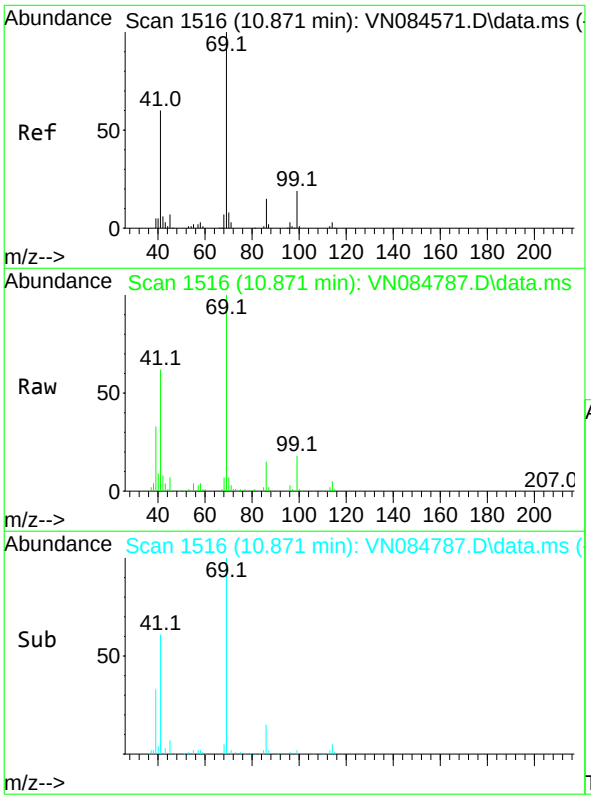
Ion	Ratio	Lower	Upper
97	100		
83	82.7	71.0	106.4
85	56.2	41.7	62.5
99	60.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

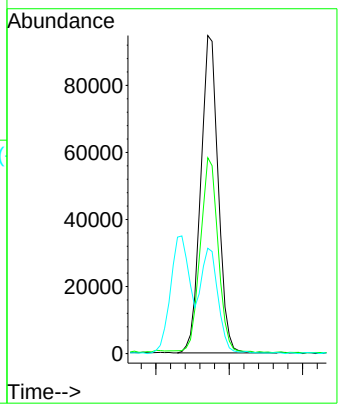
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

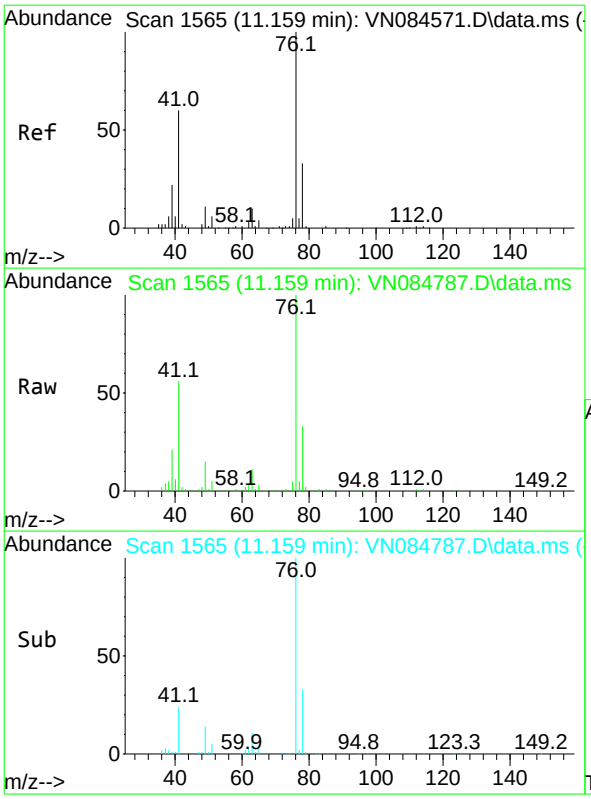


#56
Ethyl methacrylate
Concen: 55.974 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 69 Resp: 156659

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	32.9	28.8	43.2

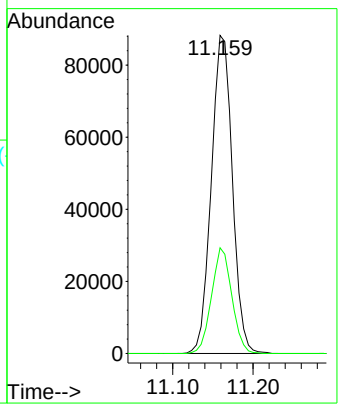




#57
1,3-Dichloropropane
Concen: 48.318 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 76 Resp: 160452

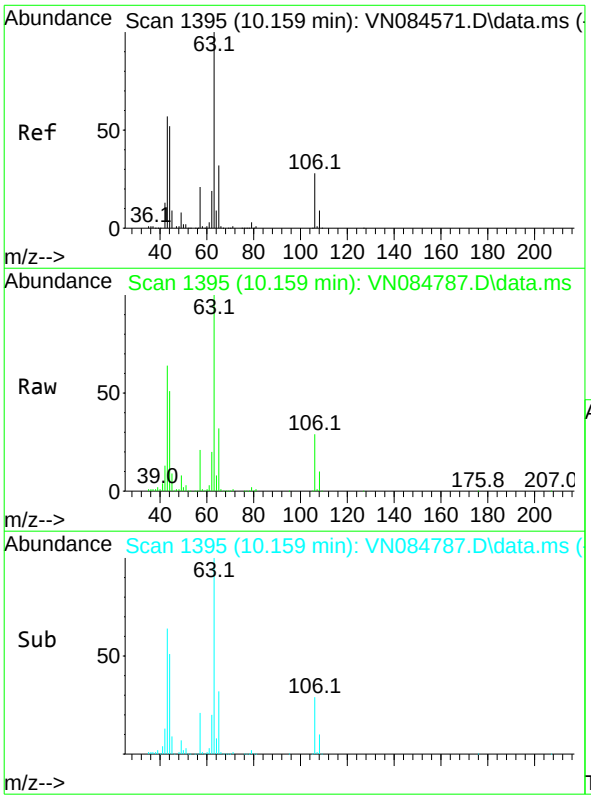
Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

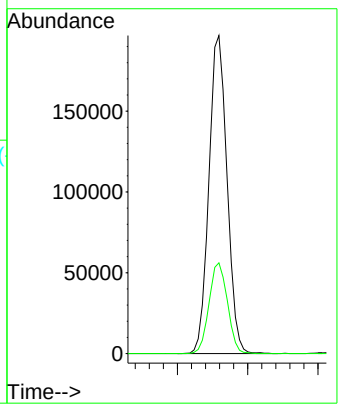
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

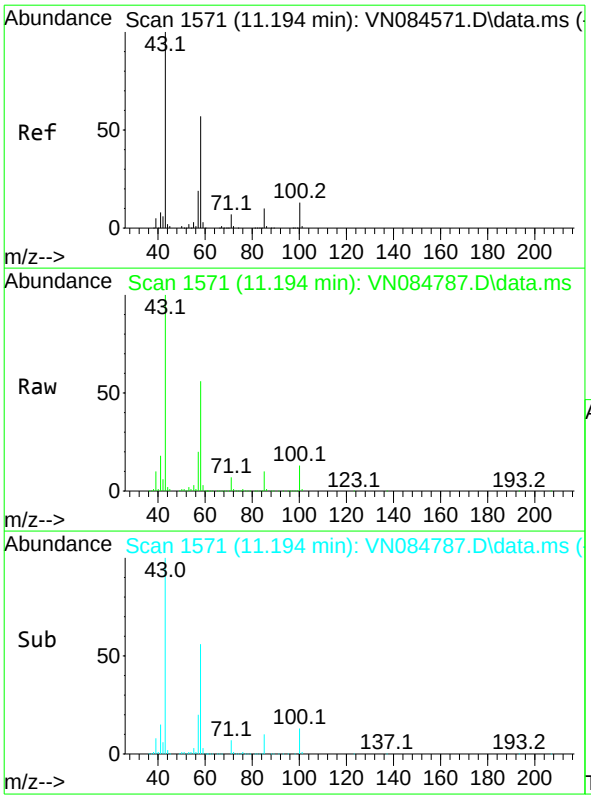


#58
2-Chloroethyl Vinyl ether
Concen: 268.948 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 63 Resp: 352227

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

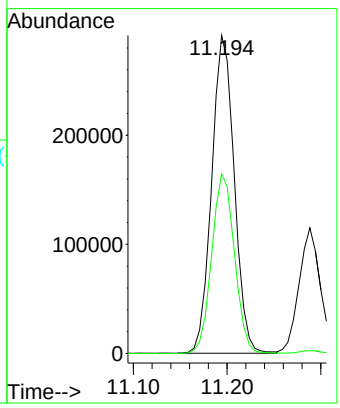




#59
2-Hexanone
Concen: 282.678 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 486706

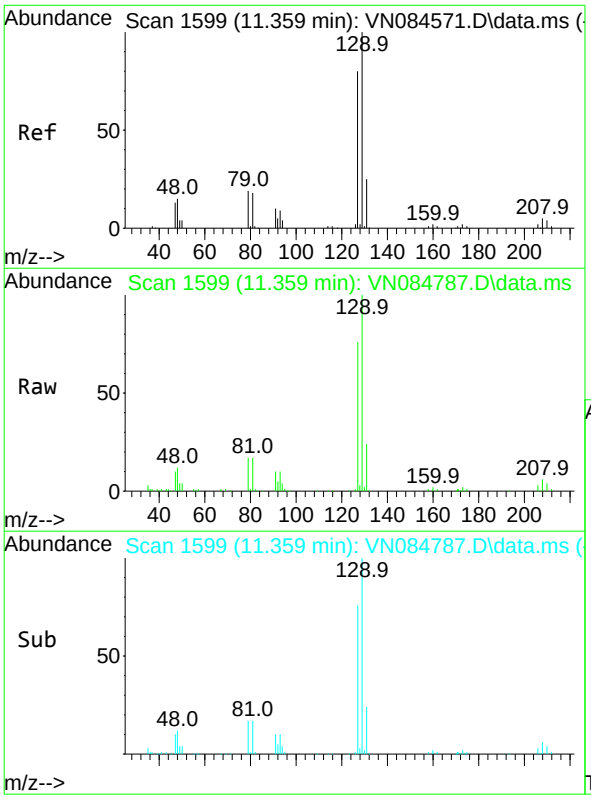
Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

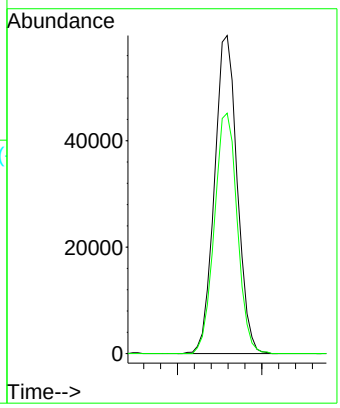
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

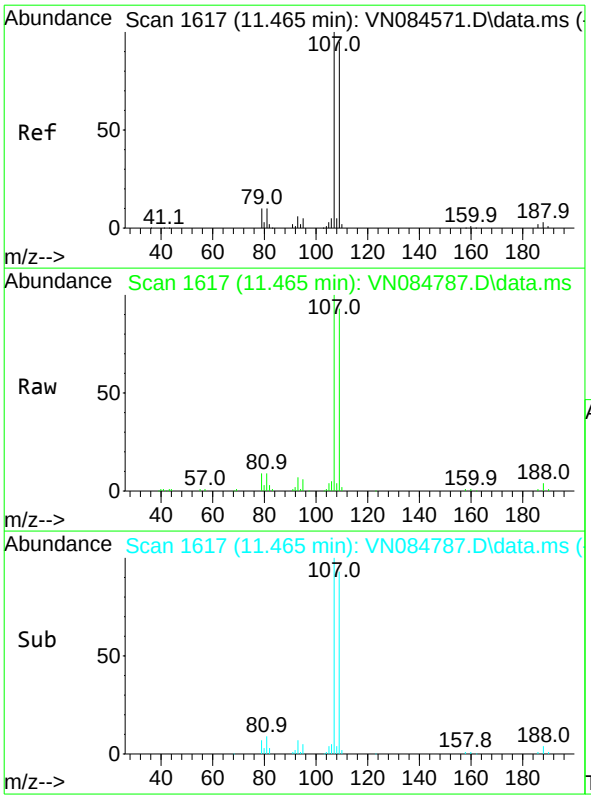


#60
Dibromochloromethane
Concen: 50.662 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:129 Resp: 111721

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9

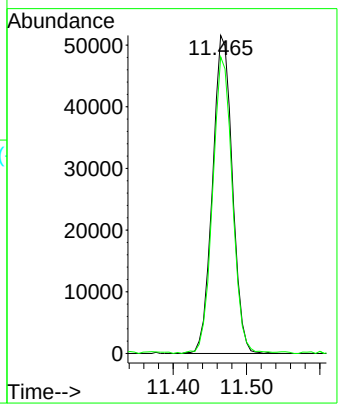




#61
1,2-Dibromoethane
Concen: 48.848 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:107 Resp: 96789

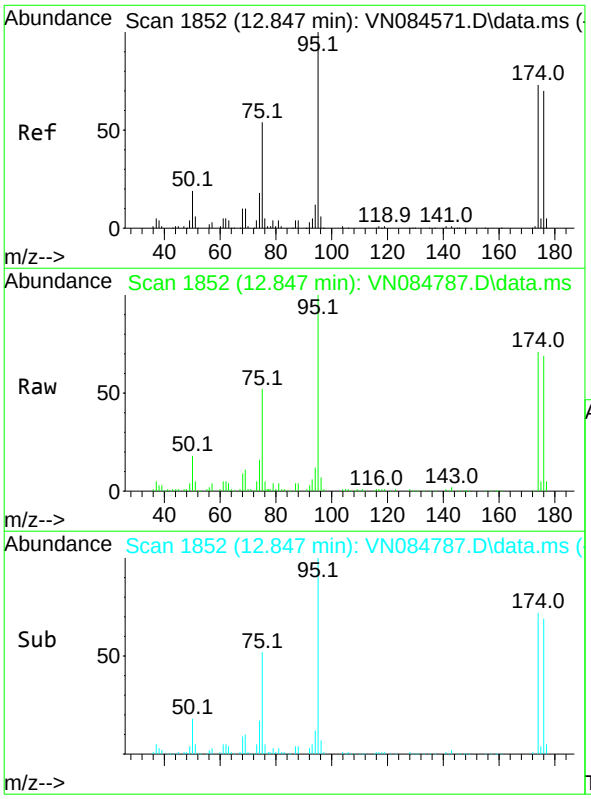
Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

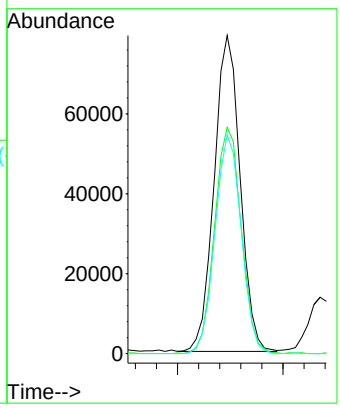
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

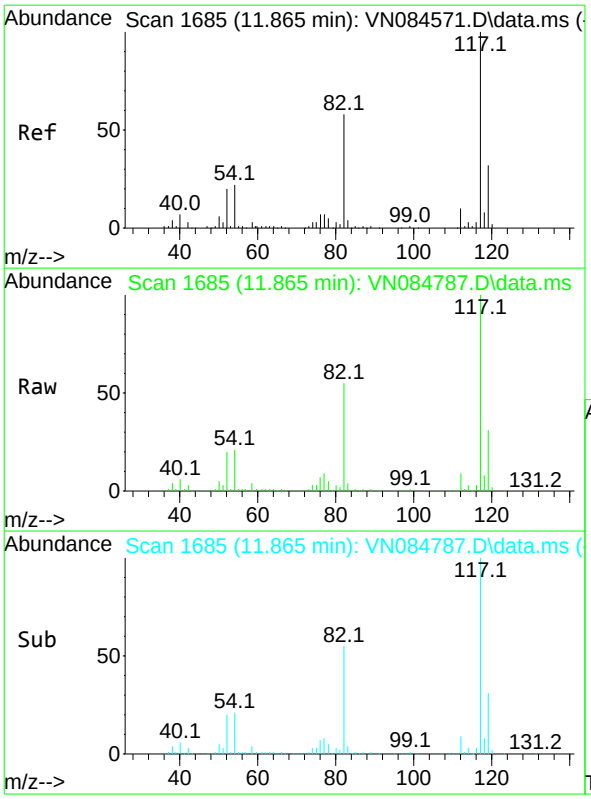


#62
4-Bromofluorobenzene
Concen: 49.793 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 95 Resp: 135180

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	69.9	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

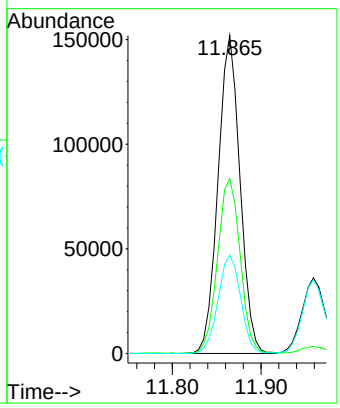
Tgt Ion:117 Resp: 261381

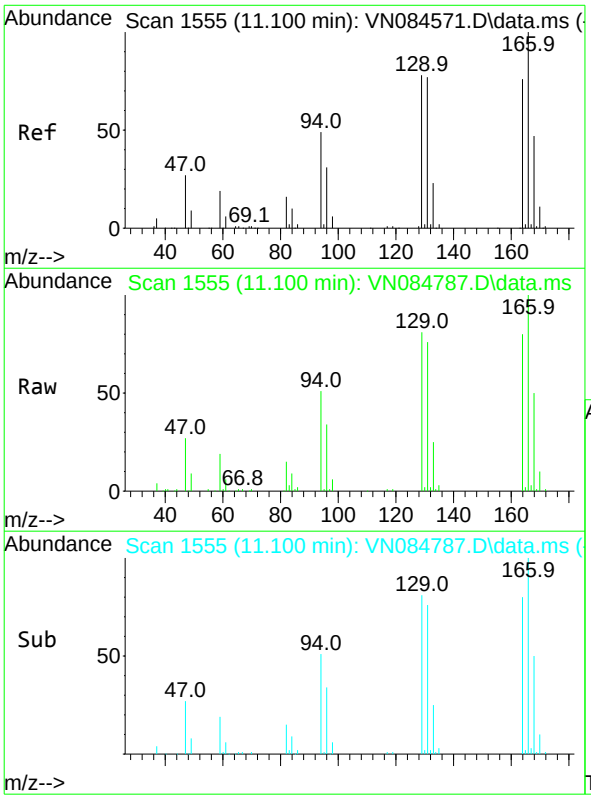
Ion	Ratio	Lower	Upper
117	100		
82	55.0	47.2	70.8
119	31.0	25.4	38.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

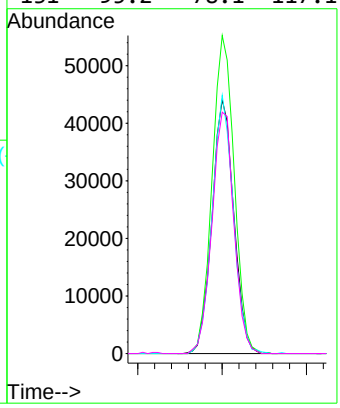


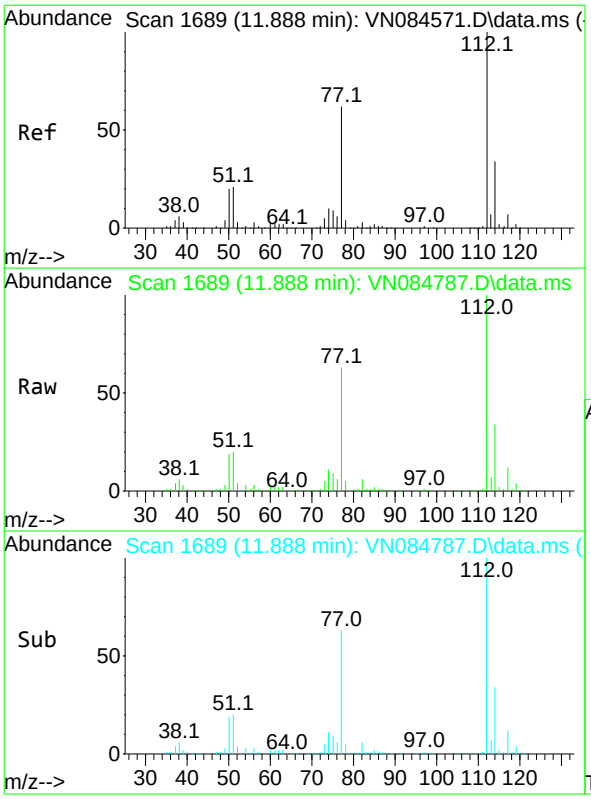


#64
Tetrachloroethene
Concen: 45.715 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:164 Resp: 79480

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	101.7	80.8	121.2
131	95.2	78.1	117.1

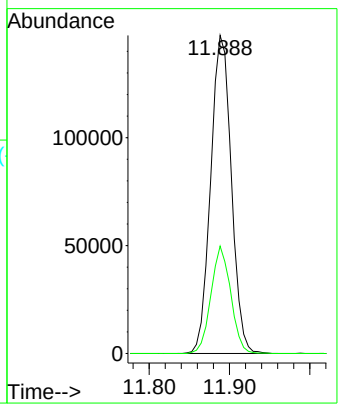




#65
Chlorobenzene
Concen: 45.063 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:112 Resp: 263506

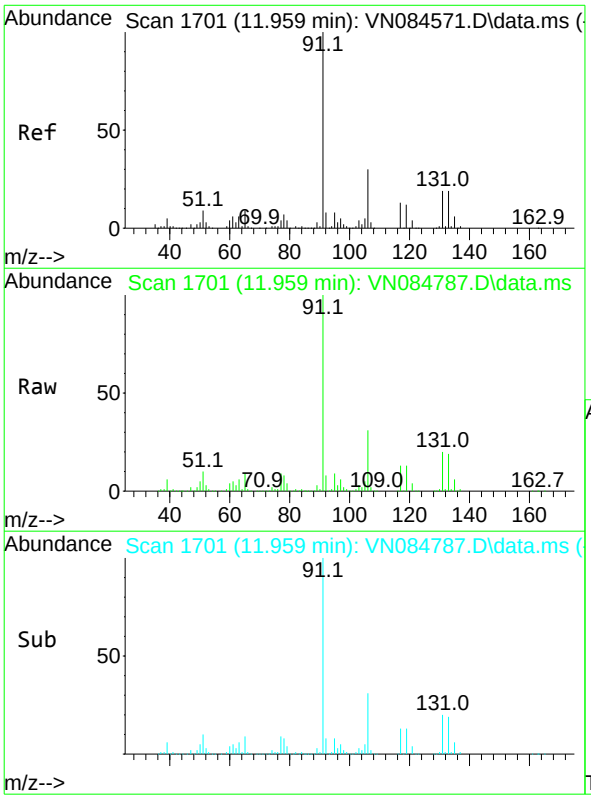
Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

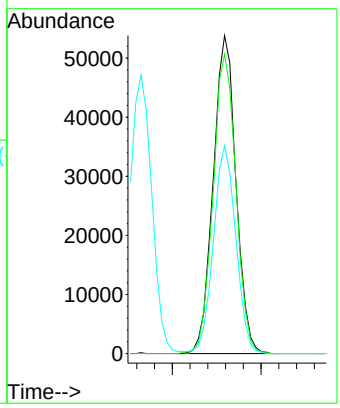
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

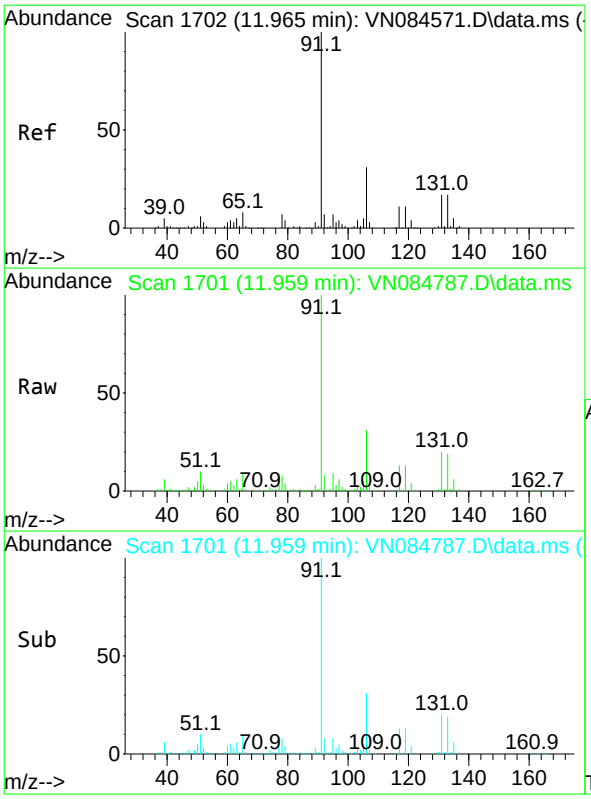


#66
1,1,1,2-Tetrachloroethane
Concen: 47.117 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:131 Resp: 95834

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.9	143.7
119	64.5	32.8	98.3

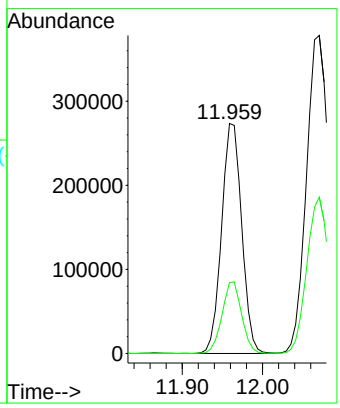




#67
Ethyl Benzene
Concen: 48.816 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 476489

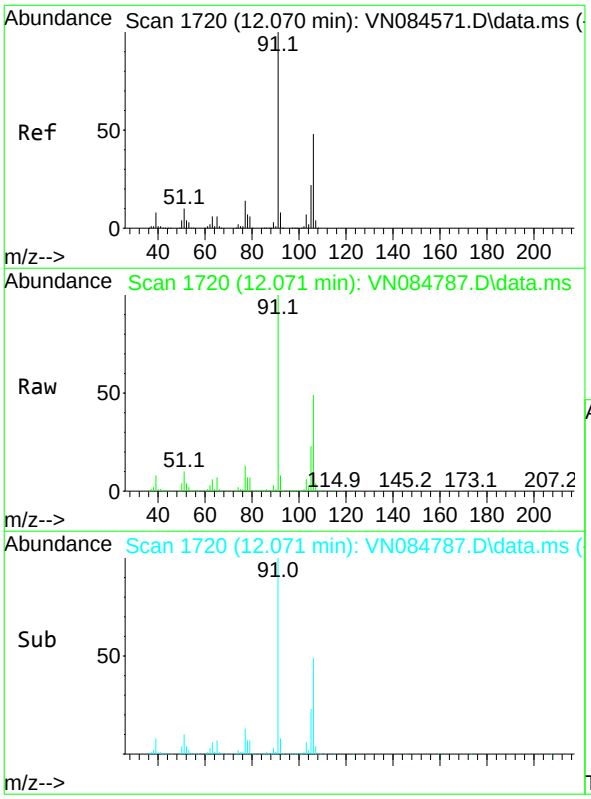
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

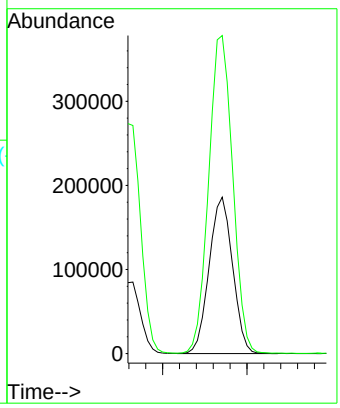
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

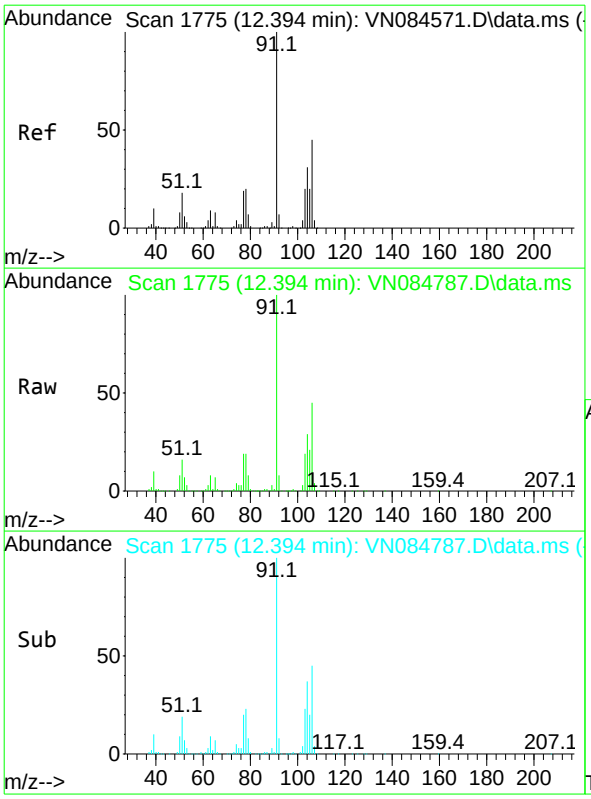


#68
m/p-Xylenes
Concen: 97.406 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:106 Resp: 359947

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7

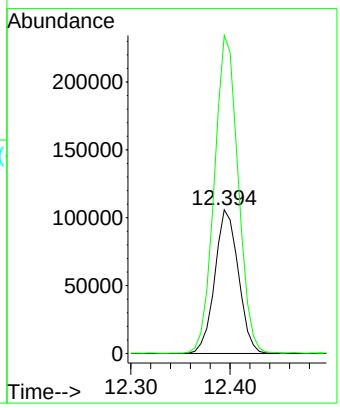




#69
o-Xylene
Concen: 50.550 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:106 Resp: 174747

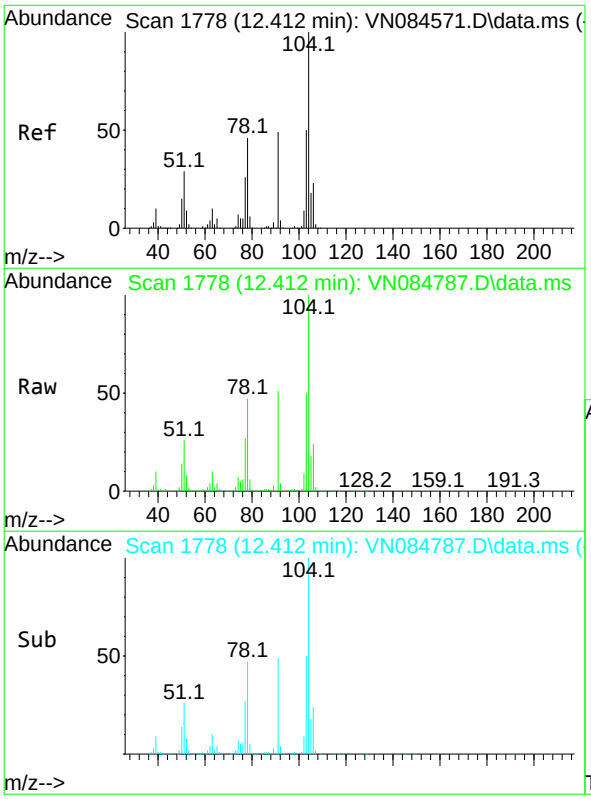
Ion	Ratio	Lower	Upper
106	100		
91	224.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

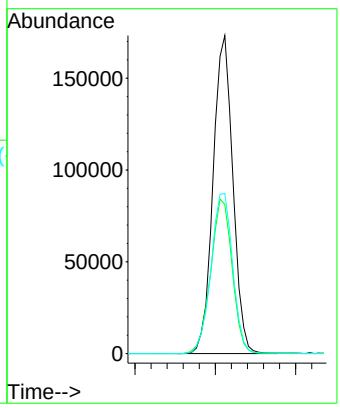
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

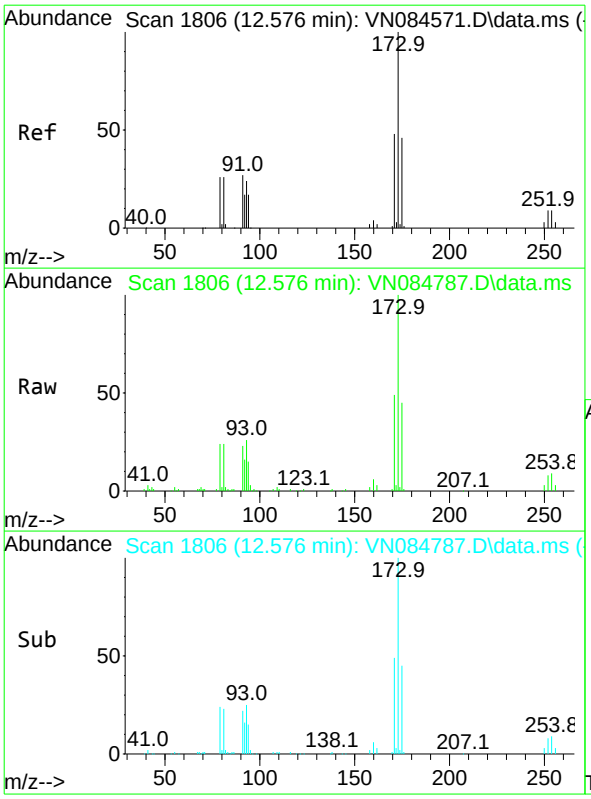


#70
Styrene
Concen: 49.221 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:104 Resp: 296821

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	55.2	43.6	65.4

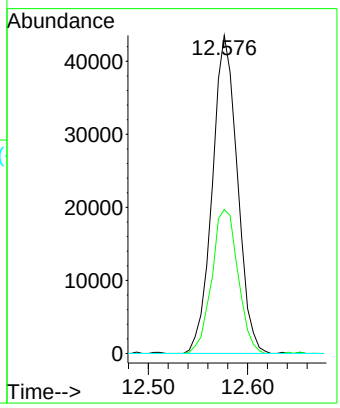




#71
Bromoform
Concen: 49.894 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:173 Resp: 76363

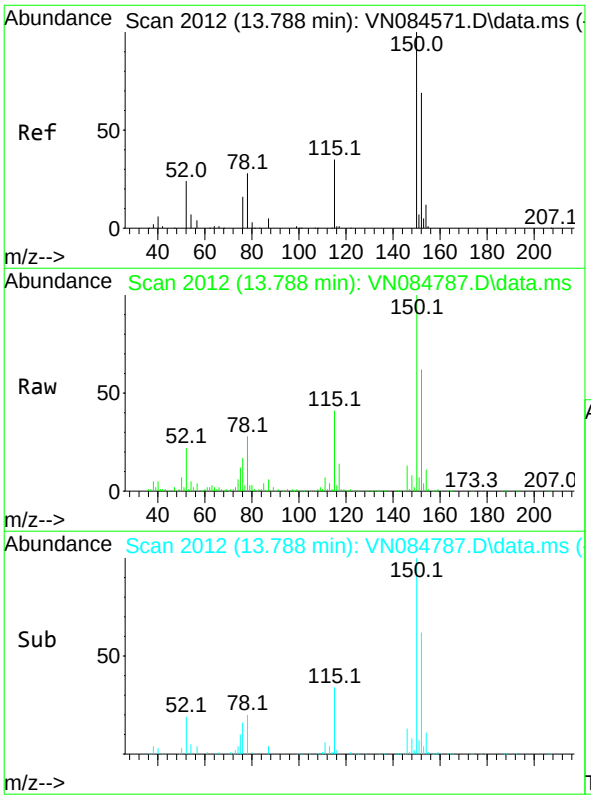
Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

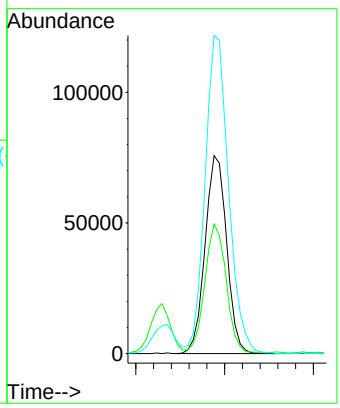
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

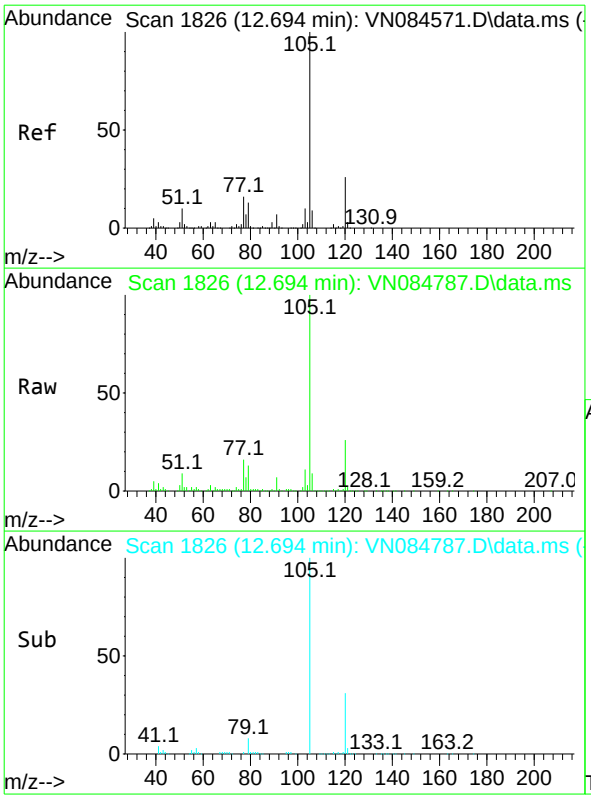


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:152 Resp: 128017

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	175.0	0.0	349.8

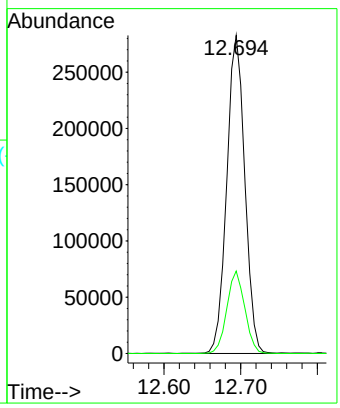




#73
Isopropylbenzene
Concen: 51.499 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 461999

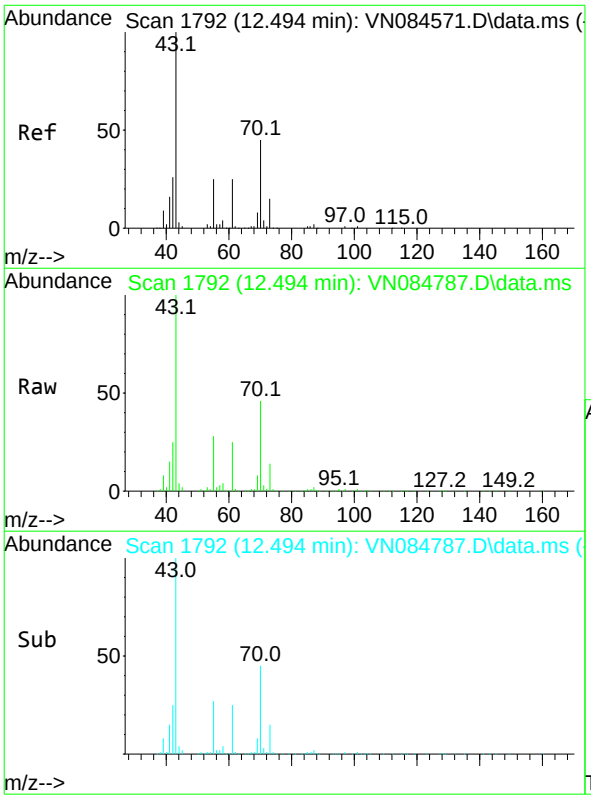
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

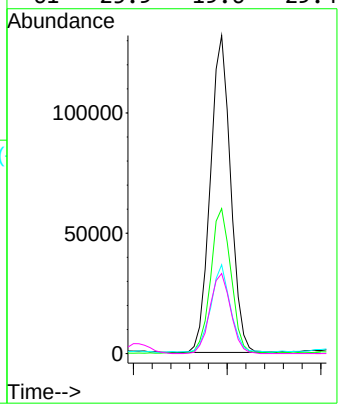
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

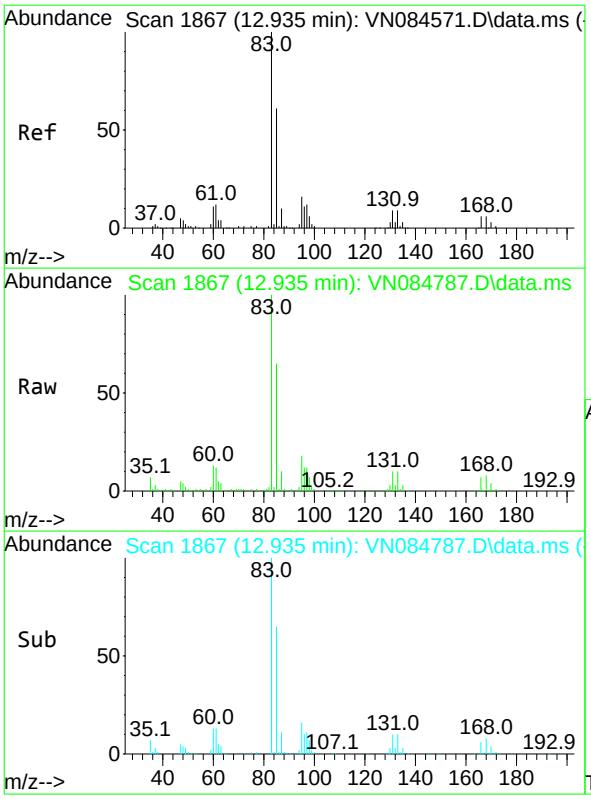


#74
N-amyl acetate
Concen: 51.881 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 198094

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.4	51.6
55	26.4	19.6	29.4
61	25.9	19.6	29.4

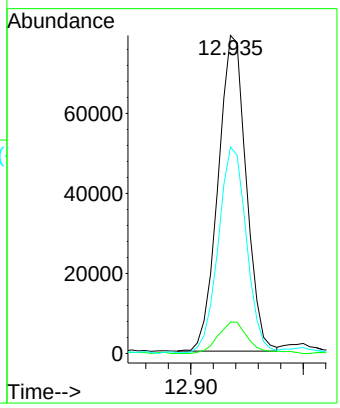




#75
1,1,2,2-Tetrachloroethane
Concen: 45.679 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 83 Resp: 136784

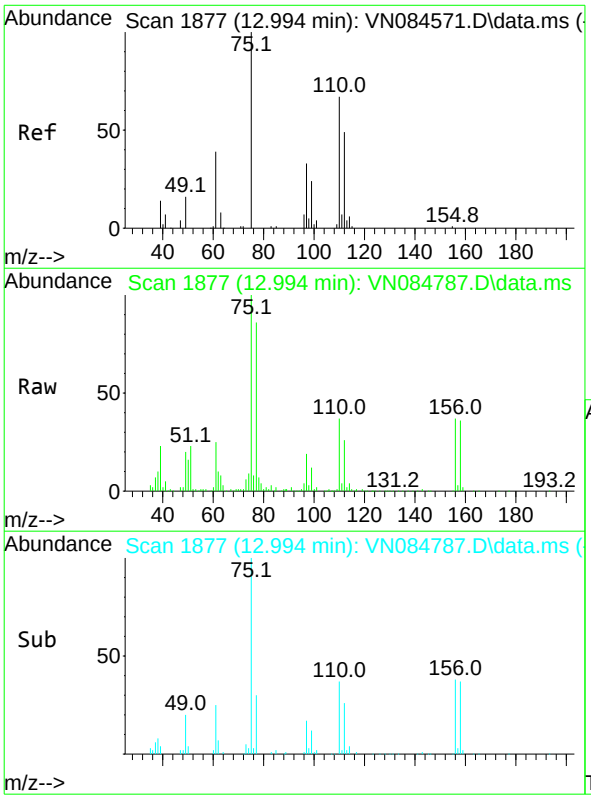
Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	65.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

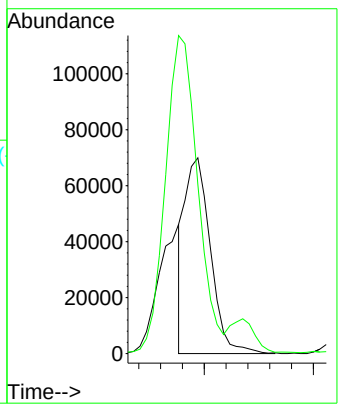
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

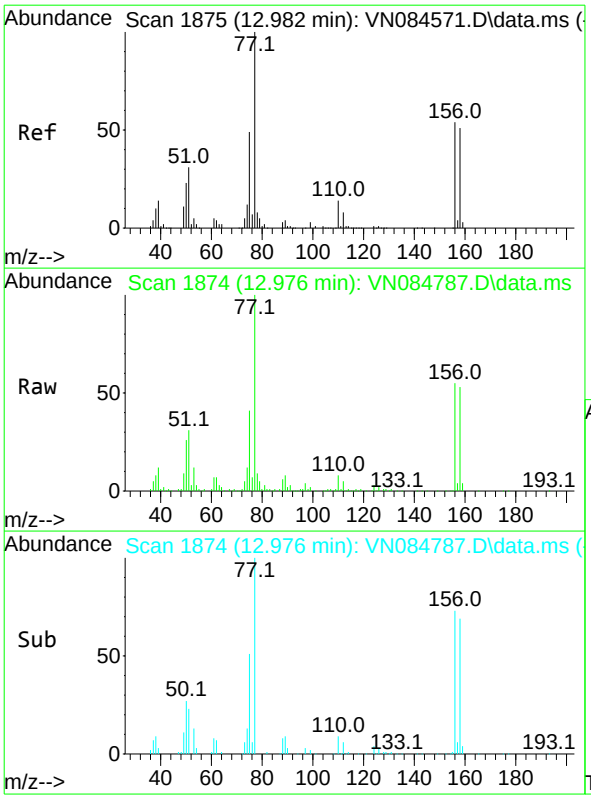


#76
1,2,3-Trichloropropane
Concen: 44.582 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 114085

Ion	Ratio	Lower	Upper
75	100		
77	204.0	96.9	290.7

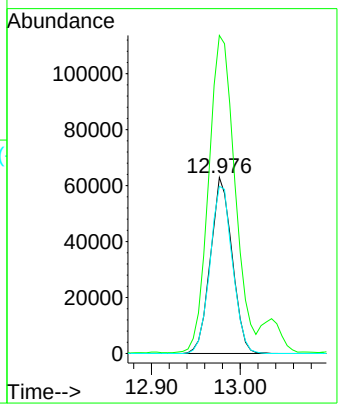




#77
Bromobenzene
Concen: 44.282 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:156 Resp: 106796

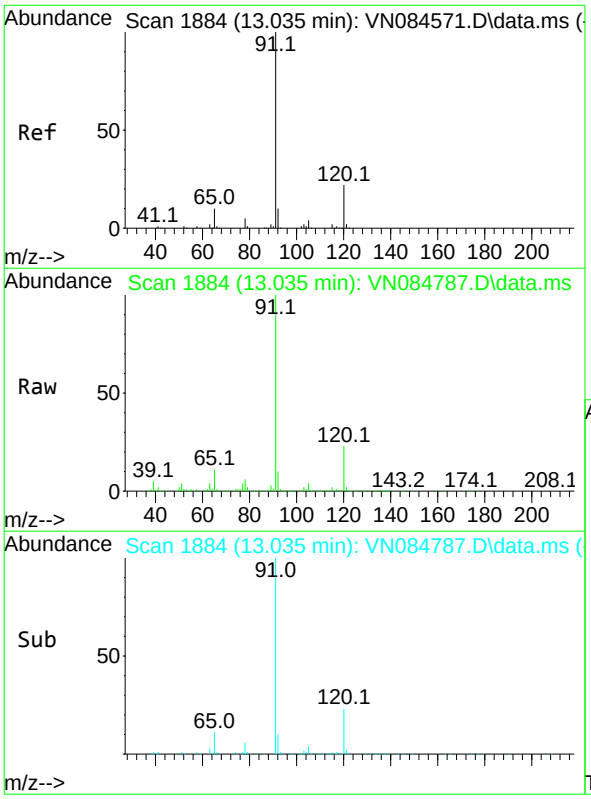
Ion	Ratio	Lower	Upper
156	100		
77	218.0	115.1	345.3
158	98.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

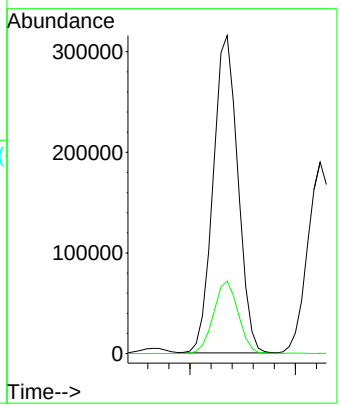
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

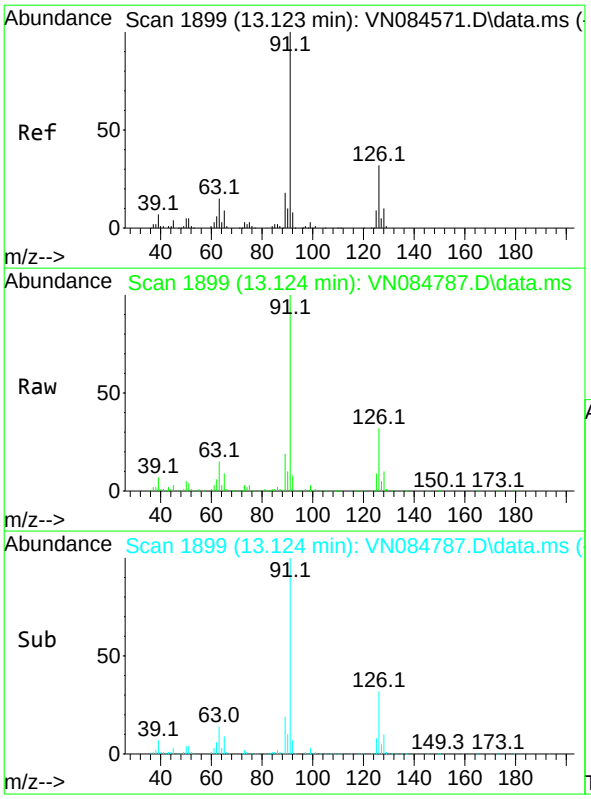


#78
n-propylbenzene
Concen: 48.874 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 513794

Ion	Ratio	Lower	Upper
91	100		
120	22.9	10.8	32.4

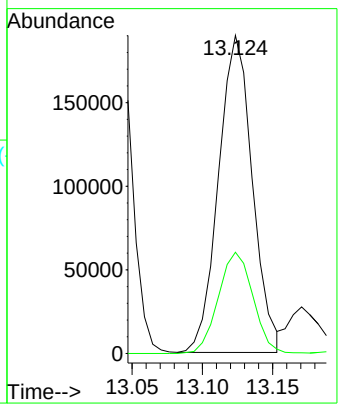




#79
2-Chlorotoluene
Concen: 46.294 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 317997

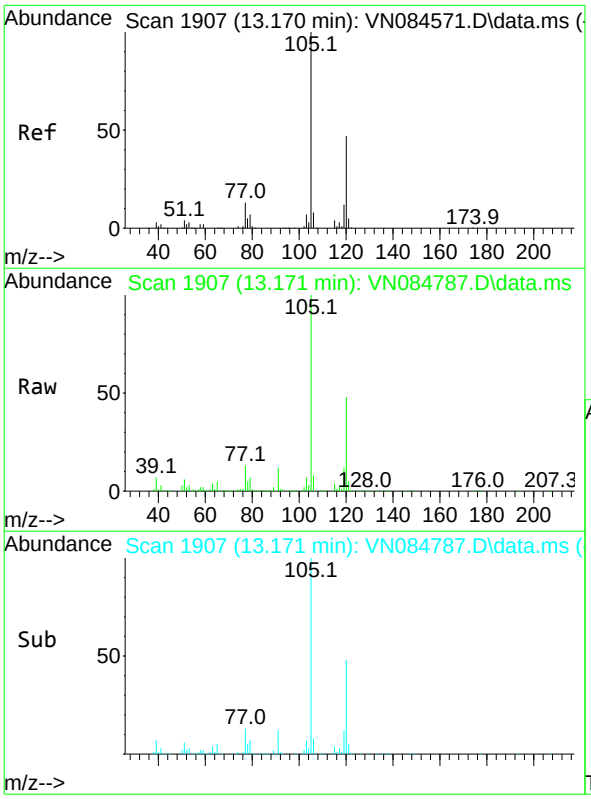
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

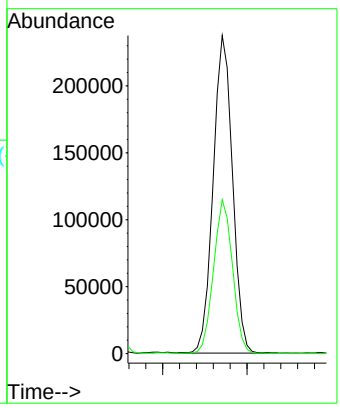
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

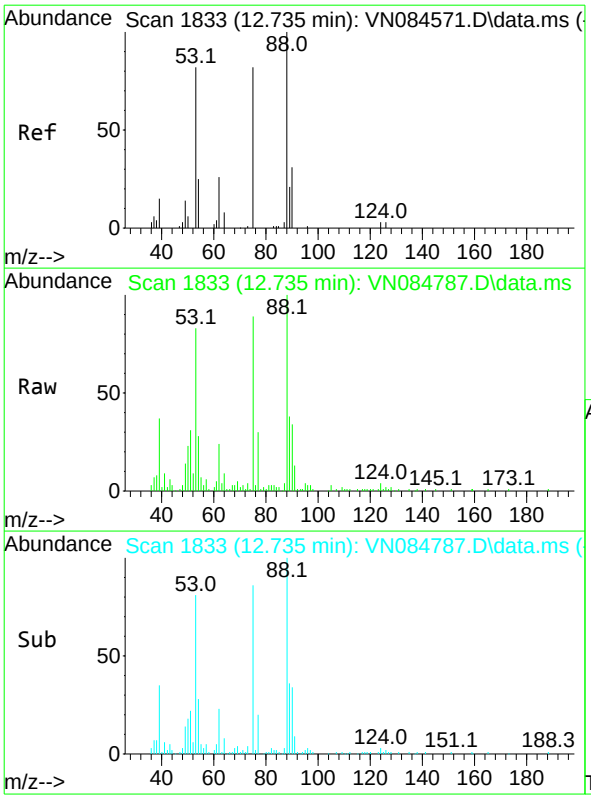


#80
1,3,5-Trimethylbenzene
Concen: 50.751 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 377354

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 44.915 ug/l m
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

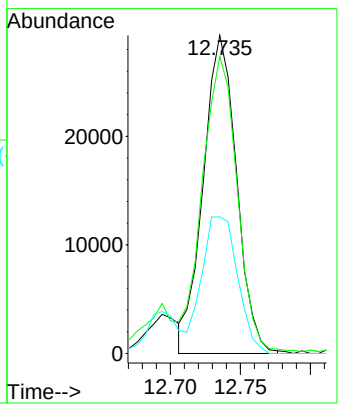
Tgt Ion: 75 Resp: 48448

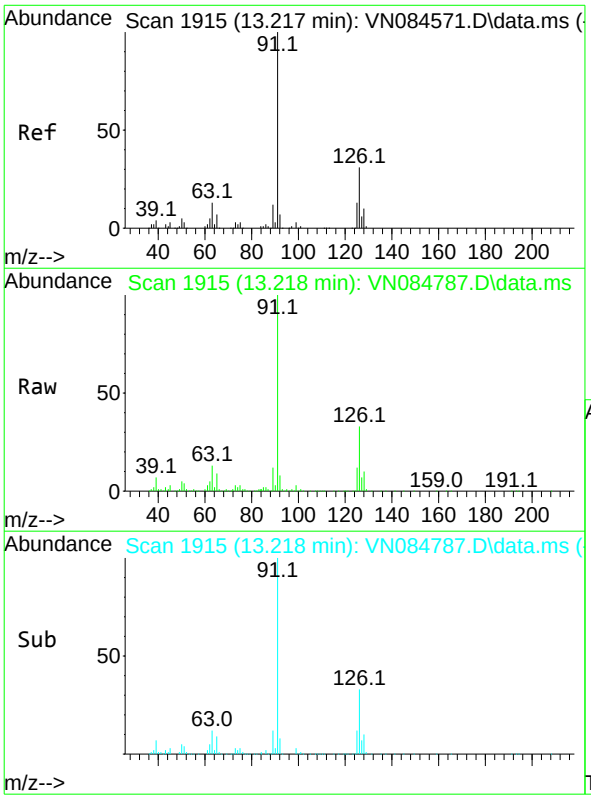
Ion	Ratio	Lower	Upper
75	100		
53	96.3	78.0	117.0
89	45.9	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

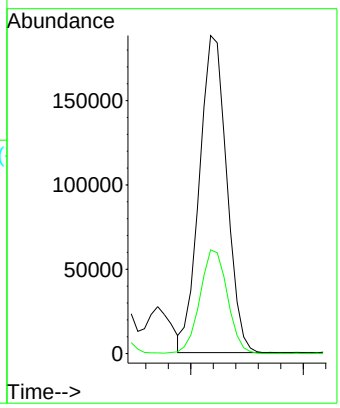


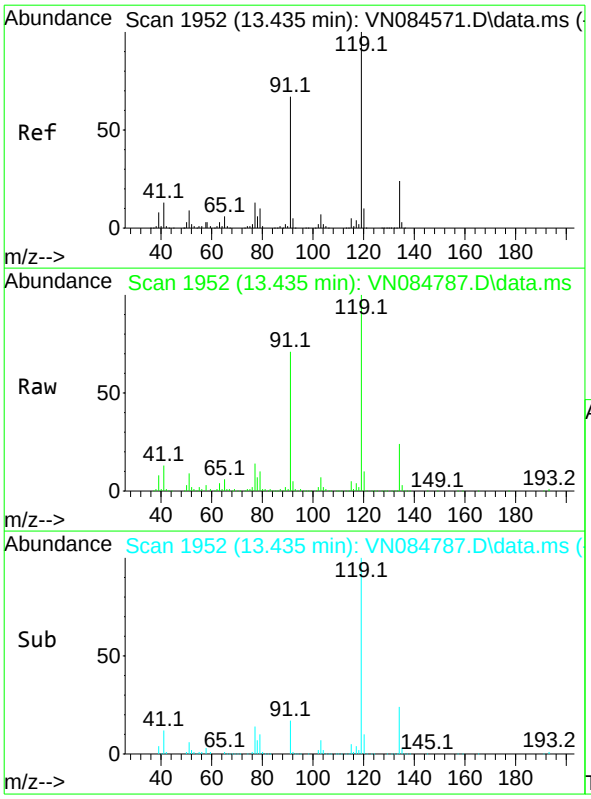


#82
4-Chlorotoluene
Concen: 43.924 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 317522

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1

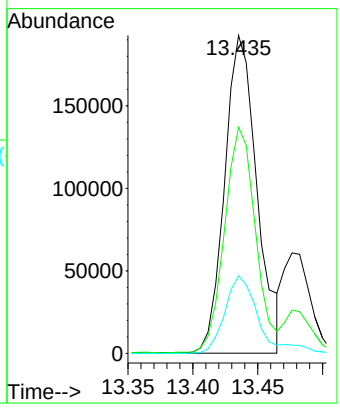




#83
tert-Butylbenzene
Concen: 54.138 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

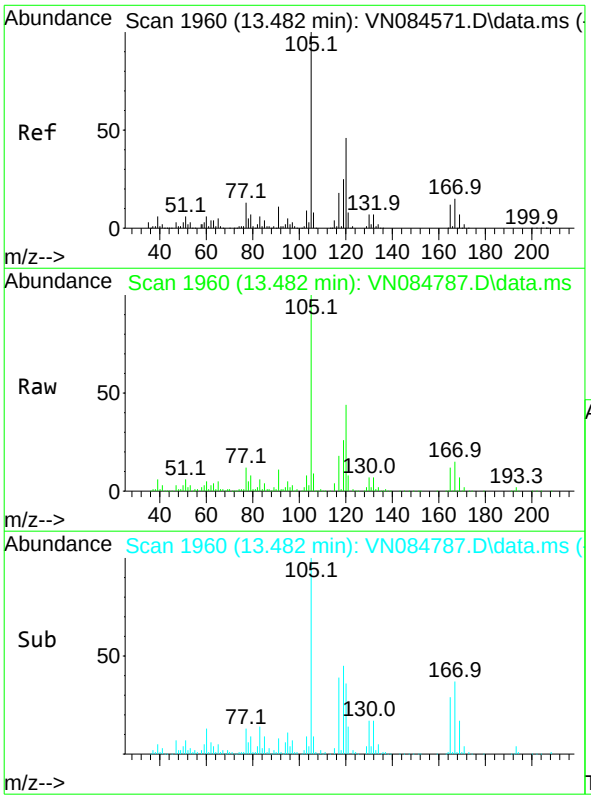
Tgt Ion:119 Resp: 333151

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

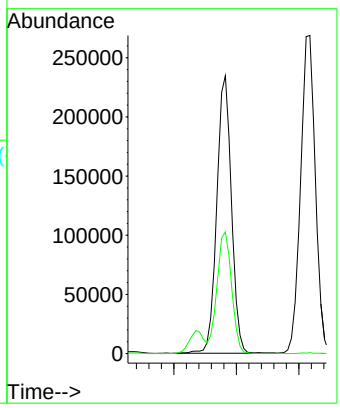
Manual Integrations APPROVED
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

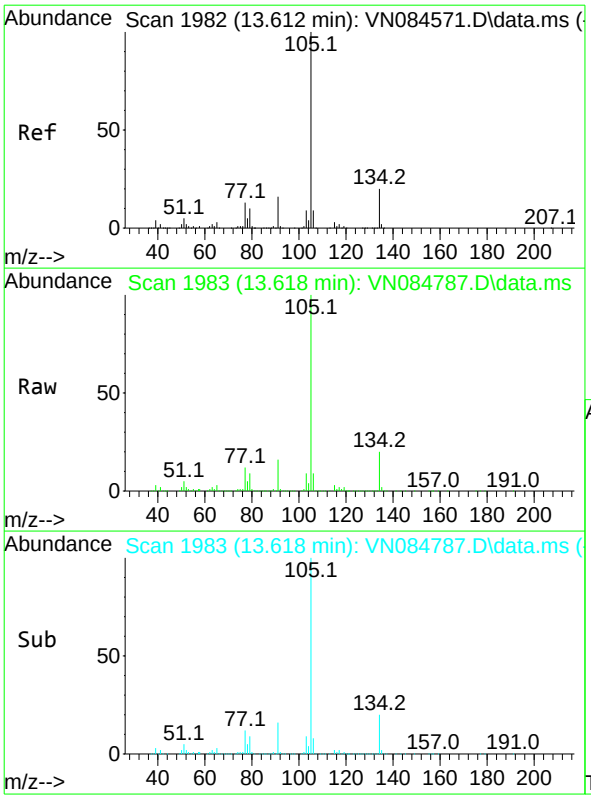


#84
1,2,4-Trimethylbenzene
Concen: 49.655 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 381057

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8

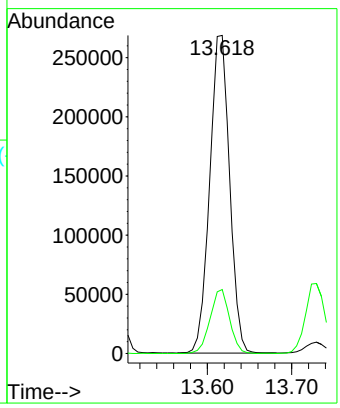




#85
sec-Butylbenzene
Concen: 50.669 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 440437

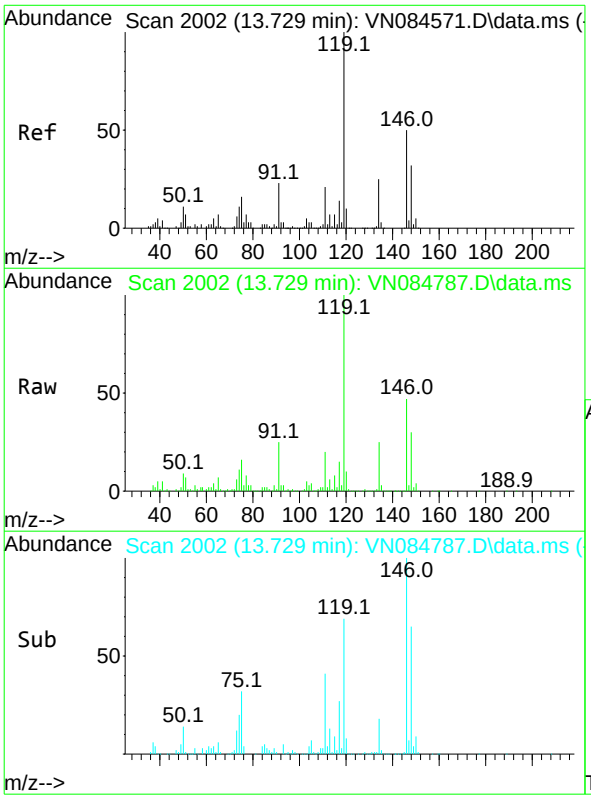
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

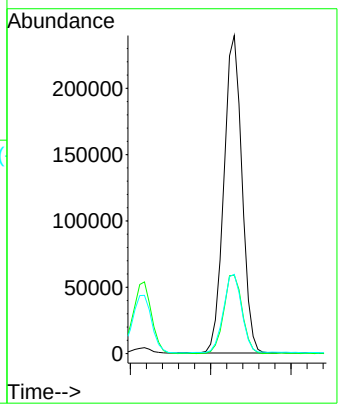
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

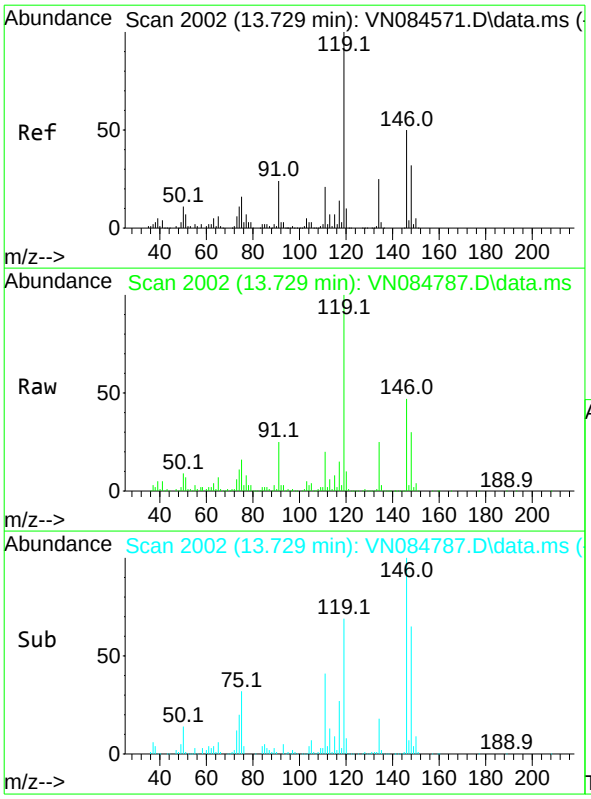


#86
p-Isopropyltoluene
Concen: 52.480 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:119 Resp: 374128

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	25.2	12.4	37.2

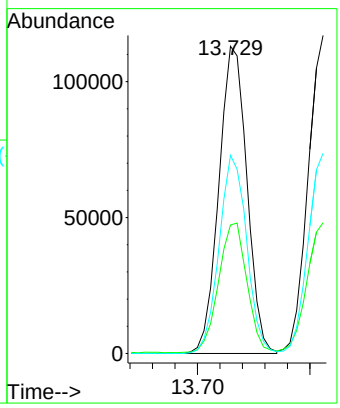




#87
1,3-Dichlorobenzene
Concen: 41.628 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:146 Resp: 195927

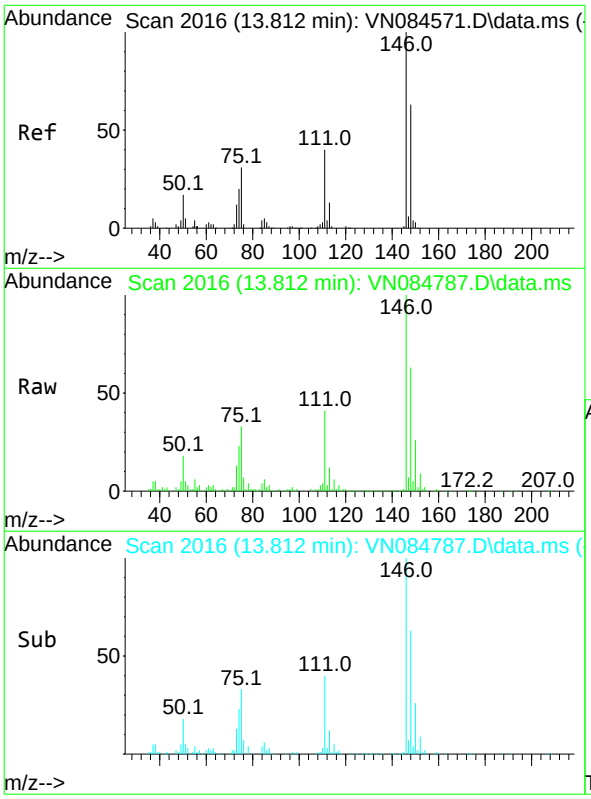
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

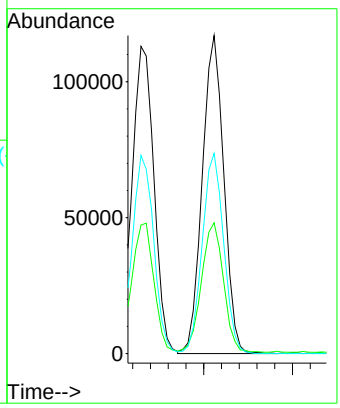
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

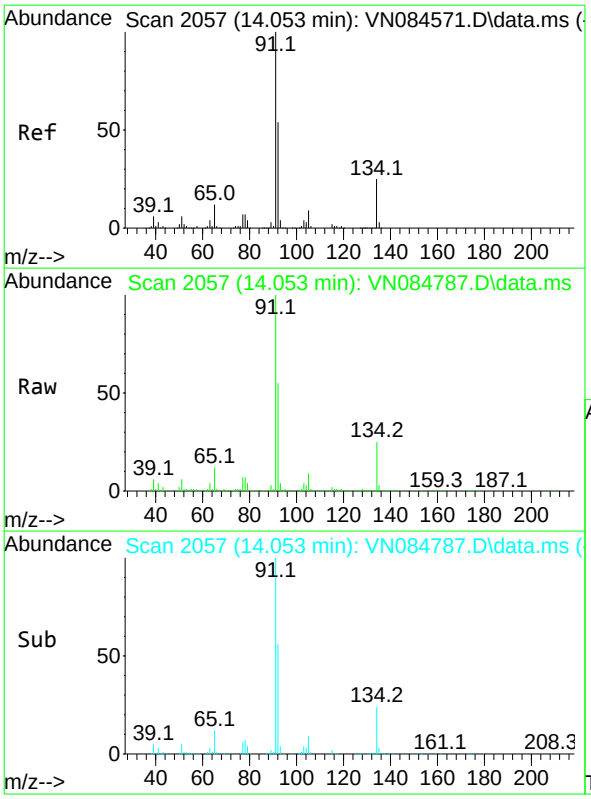


#88
1,4-Dichlorobenzene
Concen: 45.560 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:146 Resp: 197206

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	62.8	31.9	95.9

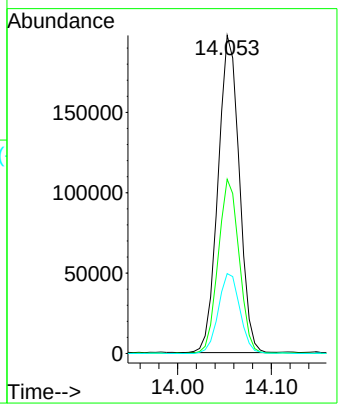




#89
n-Butylbenzene
Concen: 46.596 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 310726

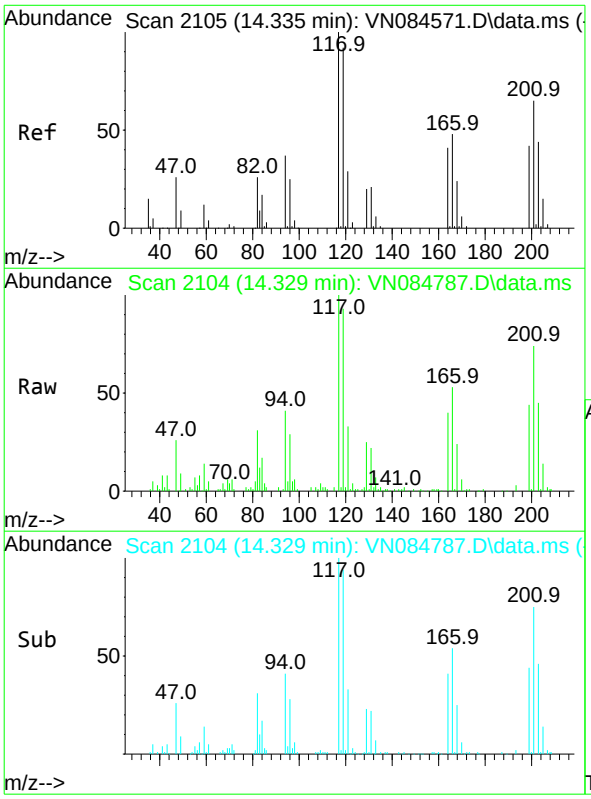
Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.6	79.7
134	25.6	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

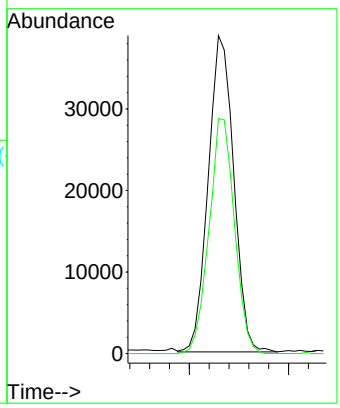
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

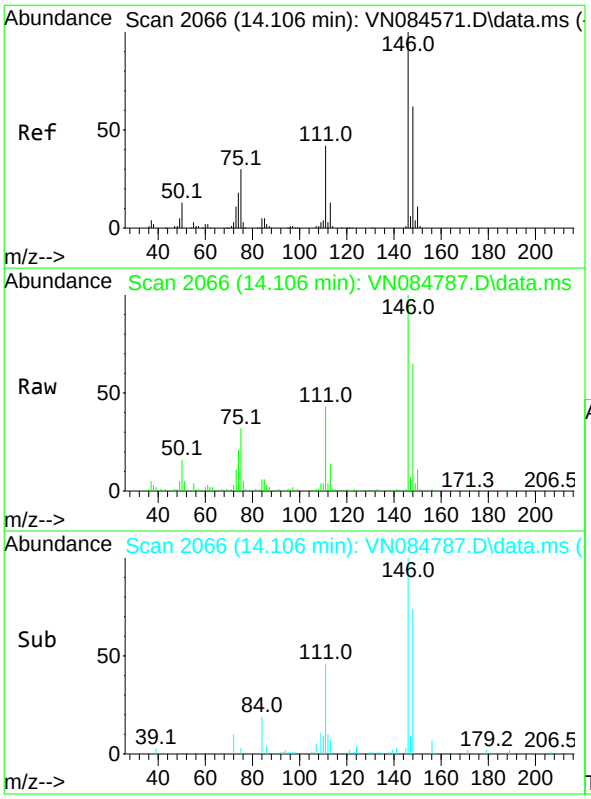


#90
Hexachloroethane
Concen: 43.552 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:117 Resp: 69240

Ion	Ratio	Lower	Upper
117	100		
201	74.2	34.4	103.2

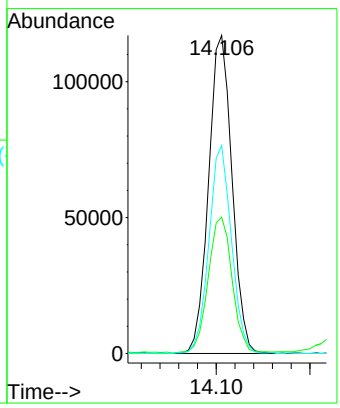




#91
1,2-Dichlorobenzene
Concen: 44.970 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:146 Resp: 203390

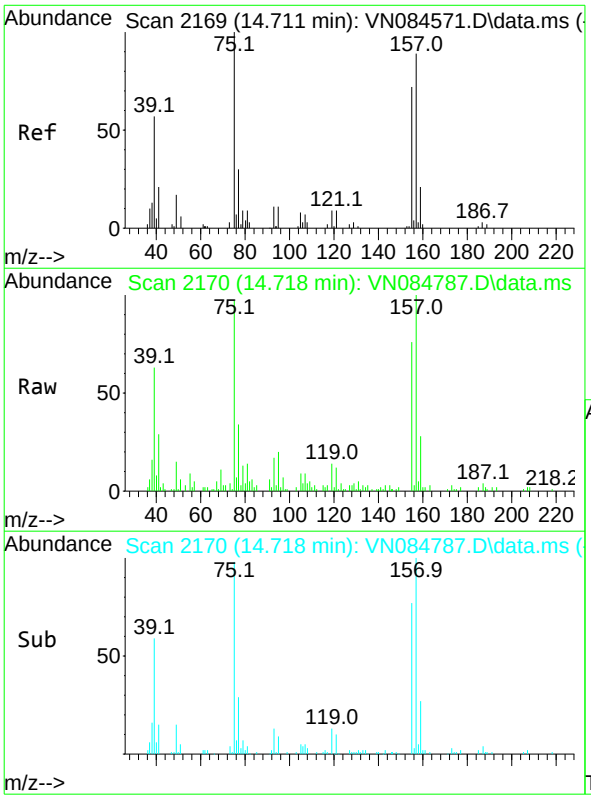
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	62.9	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

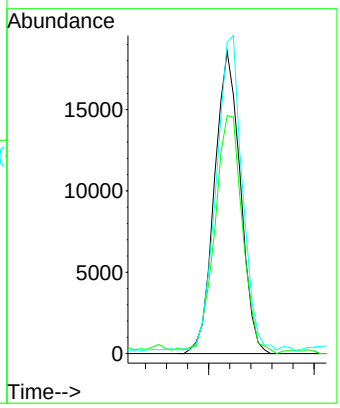
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

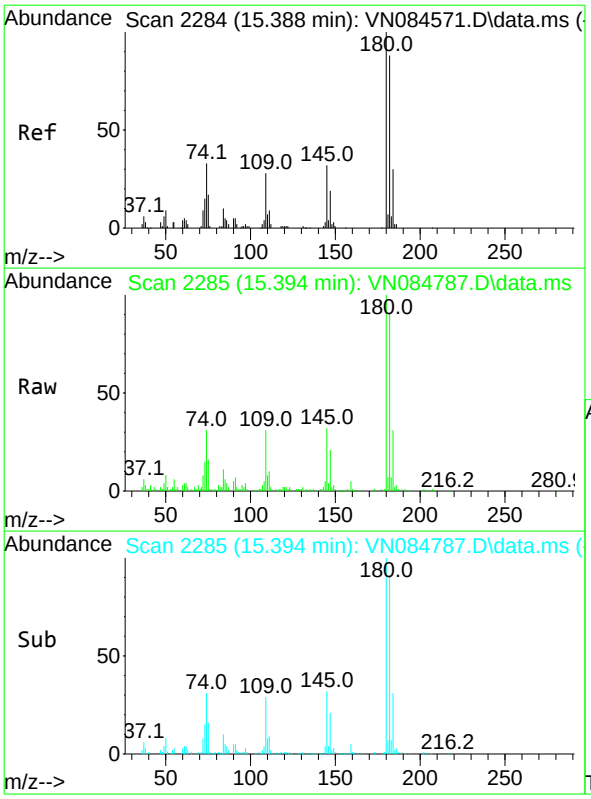


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.063 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 31583

Ion	Ratio	Lower	Upper
75	100		
155	84.5	38.1	114.5
157	104.1	49.6	149.0

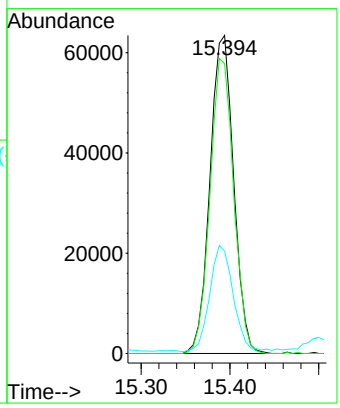




#93
1,2,4-Trichlorobenzene
Concen: 47.394 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

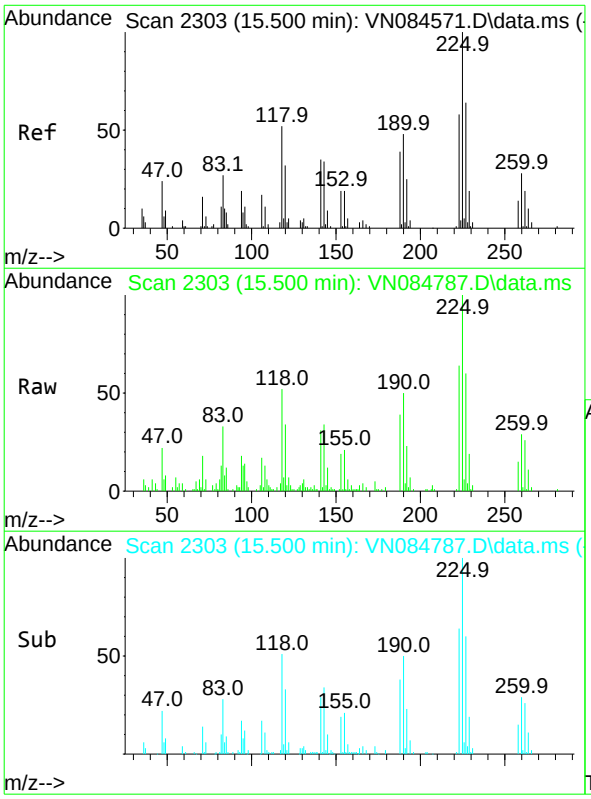
Tgt Ion:180 Resp: 117324

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	33.5	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

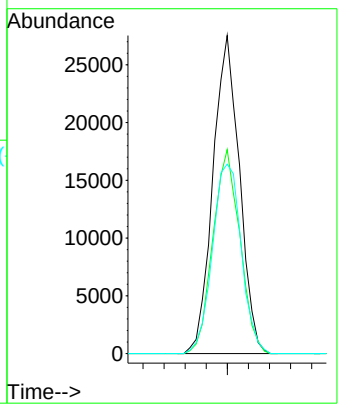
Manual Integrations APPROVED
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

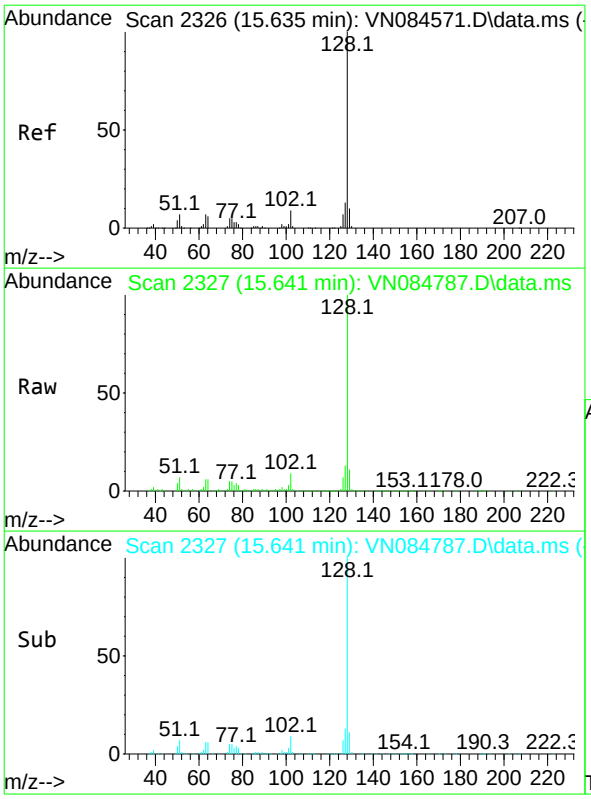


#94
Hexachlorobutadiene
Concen: 44.315 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:225 Resp: 48175

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.4	97.2
227	64.8	32.4	97.0

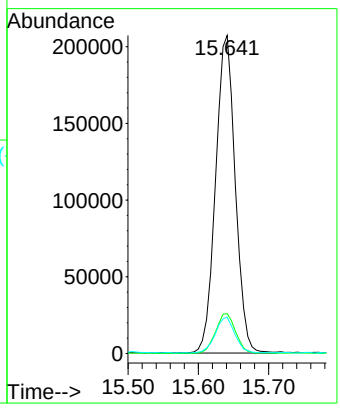




#95
Naphthalene
Concen: 54.353 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:128 Resp: 402741

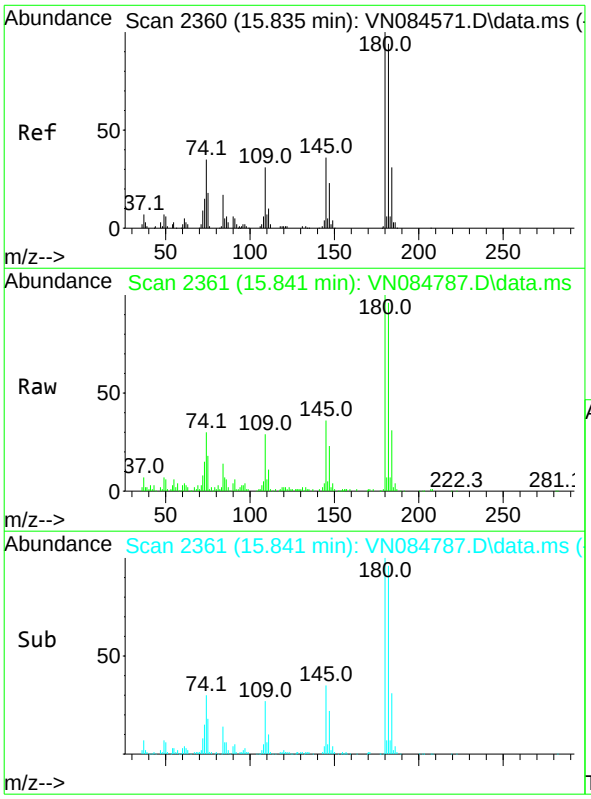
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

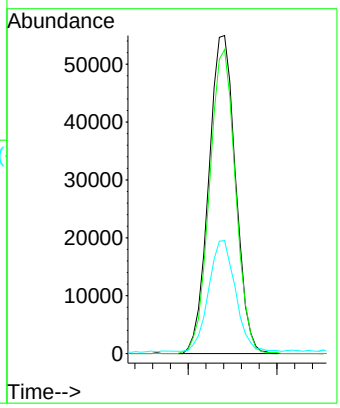
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024



#96
1,2,3-Trichlorobenzene
Concen: 47.936 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:180 Resp: 115194

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.2	144.6
145	34.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.575	0.479	16.7	82	0.00
3	P	Chloromethane	0.952	0.512	46.2#	72	0.00
4	C	Vinyl Chloride	0.618	0.566	8.4#	88	0.00
5	T	Bromomethane	0.328	0.292	11.0	94	-0.05
6	T	Chloroethane	0.488	0.368	24.6	93	-0.06
7	T	Trichlorofluoromethane	1.018	0.929	8.7	92	-0.04
8	T	Diethyl Ether	0.359	0.336	6.4	90	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.523	9.0	89	-0.02
10	T	Methyl Iodide	0.769	0.681	11.4	88	-0.02
11	T	Tert butyl alcohol	0.095	0.120	-26.3#	132	0.02
12	CM	1,1-Dichloroethene	0.569	0.486	14.6#	85	-0.02
13	T	Acrolein	0.095	0.094	1.1	101	0.00
14	T	Allyl chloride	0.923	0.819	11.3	85	-0.02
15	T	Acrylonitrile	0.276	0.278	-0.7	97	0.00
16	T	Acetone	0.238	0.225	5.5	104	0.00
17	T	Carbon Disulfide	1.753	1.264	27.9#	75	-0.02
18	T	Methyl Acetate	1.172	0.742	36.7#	94	0.00
19	T	Methyl tert-butyl Ether	1.745	1.731	0.8	93	0.00
20	T	Methylene Chloride	0.635	0.555	12.6	87	-0.02
21	T	trans-1,2-Dichloroethene	0.585	0.499	14.7	84	-0.02
22	T	Diisopropyl ether	1.835	1.690	7.9	86	0.00
23	T	Vinyl Acetate	1.265	1.225	3.2	89	0.00
24	P	1,1-Dichloroethane	1.102	0.984	10.7	87	0.00
25	T	2-Butanone	0.337	0.369	-9.5	111	0.00
26	T	2,2-Dichloropropane	0.959	0.794	17.2	80	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.615	10.0	88	0.00
28	T	Bromochloromethane	0.439	0.413	5.9	77	0.00
29	T	Tetrahydrofuran	0.224	0.233	-4.0	99	0.00
30	C	Chloroform	1.121	1.049	6.4#	91	0.00
31	T	Cyclohexane	0.997	0.803	19.5	81	0.00
32	T	1,1,1-Trichloroethane	1.021	0.952	6.8	91	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.674	6.6	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35	S	Dibromofluoromethane	0.338	0.334	1.2	91	0.00
36	T	1,1-Dichloropropene	0.469	0.411	12.4	85	0.00
37	T	Ethyl Acetate	0.426	0.423	0.7	94	0.00
38	T	Carbon Tetrachloride	0.525	0.506	3.6	92	0.00
39	T	Methylcyclohexane	0.478	0.459	4.0	84	0.00
40	TM	Benzene	1.507	1.344	10.8	87	0.00
41	T	Methacrylonitrile	0.229	0.235	-2.6	89	0.00
42	TM	1,2-Dichloroethane	0.488	0.458	6.1	87	0.00
43	T	Isopropyl Acetate	0.927	0.836	9.8	103	0.00
44	TM	Trichloroethene	0.348	0.315	9.5	88	0.00
45	C	1,2-Dichloropropane	0.354	0.328	7.3#	88	0.00
46	T	Dibromomethane	0.250	0.232	7.2	89	0.00
47	T	Bromodichloromethane	0.526	0.501	4.8	90	0.00
48	T	Methyl methacrylate	0.331	0.344	-3.9	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	103	0.00
50	S	Toluene-d8	1.247	1.206	3.3	87	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.441	-8.6	97	0.00
52	CM	Toluene	0.882	0.846	4.1#	88	0.00
53	T	t-1,3-Dichloropropene	0.544	0.504	7.4	87	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.528	8.3	85	0.00
55	T	1,1,2-Trichloroethane	0.332	0.321	3.3	91	0.00
56	T	Ethyl methacrylate	0.480	0.538	-12.1	93	0.00
57	T	1,3-Dichloropropane	0.570	0.551	3.3	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.242	-7.6	86	0.00
59	T	2-Hexanone	0.296	0.334	-12.8	100	0.00
60	T	Dibromochloromethane	0.378	0.383	-1.3	91	0.00
61	T	1,2-Dibromoethane	0.340	0.332	2.4	93	0.00
62	S	4-Bromofluorobenzene	0.466	0.464	0.4	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.333	0.304	8.7	91	0.00
65	PM	Chlorobenzene	1.119	1.008	9.9	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.367	5.7	91	0.00
67	C	Ethyl Benzene	1.867	1.823	2.4#	90	0.00
68	T	m/p-Xylenes	0.707	0.689	2.5	88	0.00
69	T	o-Xylene	0.661	0.669	-1.2	91	0.00
70	T	Styrene	1.154	1.136	1.6	88	0.00
71	P	Bromoform	0.293	0.292	0.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.504	3.609	-3.0	94	0.00
74	T	N-amyl acetate	1.491	1.547	-3.8	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.068	8.7	92	0.00
76	T	1,2,3-Trichloropropane	0.999	0.891	10.8	93	0.00
77	T	Bromobenzene	0.942	0.834	11.5	87	0.00
78	T	n-propylbenzene	4.106	4.013	2.3	88	0.00
79	T	2-Chlorotoluene	2.683	2.484	7.4	88	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.948	-1.5	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.378	10.2	87	0.00
82	T	4-Chlorotoluene	2.823	2.480	12.2	85	0.00
83	T	tert-Butylbenzene	2.403	2.602	-8.3	95	0.00
84	T	1,2,4-Trimethylbenzene	2.997	2.977	0.7	88	0.00
85	T	sec-Butylbenzene	3.395	3.440	-1.3	90	0.00
86	T	p-Isopropyltoluene	2.784	2.922	-5.0	89	0.00
87	T	1,3-Dichlorobenzene	1.838	1.530	16.8	85	0.00
88	T	1,4-Dichlorobenzene	1.937	1.540	20.5	85	0.00
89	T	n-Butylbenzene	2.605	2.427	6.8	86	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	85	0.00
91	T	1,2-Dichlorobenzene	1.766	1.589	10.0	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.247	-4.2	105	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.916	5.3	98	0.00
94	T	Hexachlorobutadiene	0.425	0.376	11.5	94	0.00
95	T	Naphthalene	2.894	3.146	-8.7	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.900	4.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	41.643	16.7	82	0.00
3	P	Chloromethane	50.000	37.285	25.4#	72	0.00
4	C	Vinyl Chloride	50.000	45.776	8.4#	88	0.00
5	T	Bromomethane	50.000	44.644	10.7	94	-0.05
6	T	Chloroethane	50.000	48.061	3.9	93	-0.06
7	T	Trichlorofluoromethane	50.000	45.606	8.8	92	-0.04
8	T	Diethyl Ether	50.000	46.753	6.5	90	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.414	9.2	89	-0.02
10	T	Methyl Iodide	50.000	44.260	11.5	88	-0.02
11	T	Tert butyl alcohol	250.000	315.868	-26.3#	132	0.02
12	CM	1,1-Dichloroethene	50.000	42.660	14.7#	85	-0.02
13	T	Acrolein	250.000	247.625	0.9	101	0.00
14	T	Allyl chloride	50.000	44.349	11.3	85	-0.02
15	T	Acrylonitrile	250.000	251.991	-0.8	97	0.00
16	T	Acetone	250.000	269.348	-7.7	104	0.00
17	T	Carbon Disulfide	50.000	36.038	27.9#	75	-0.02
18	T	Methyl Acetate	50.000	48.542	2.9	94	0.00
19	T	Methyl tert-butyl Ether	50.000	49.595	0.8	93	0.00
20	T	Methylene Chloride	50.000	43.728	12.5	87	-0.02
21	T	trans-1,2-Dichloroethene	50.000	42.641	14.7	84	-0.02
22	T	Diisopropyl ether	50.000	46.040	7.9	86	0.00
23	T	Vinyl Acetate	250.000	242.044	3.2	89	0.00
24	P	1,1-Dichloroethane	50.000	44.661	10.7	87	0.00
25	T	2-Butanone	250.000	273.920	-9.6	111	0.00
26	T	2,2-Dichloropropane	50.000	41.411	17.2	80	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.057	9.9	88	0.00
28	T	Bromochloromethane	50.000	47.101	5.8	77	0.00
29	T	Tetrahydrofuran	250.000	260.536	-4.2	99	0.00
30	C	Chloroform	50.000	46.764	6.5#	91	0.00
31	T	Cyclohexane	50.000	40.267	19.5	81	0.00
32	T	1,1,1-Trichloroethane	50.000	46.644	6.7	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.659	6.7	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35	S	Dibromofluoromethane	50.000	49.349	1.3	91	0.00
36	T	1,1-Dichloropropene	50.000	43.735	12.5	85	0.00
37	T	Ethyl Acetate	50.000	49.688	0.6	94	0.00
38	T	Carbon Tetrachloride	50.000	48.253	3.5	92	0.00
39	T	Methylcyclohexane	50.000	48.113	3.8	84	0.00
40	TM	Benzene	50.000	44.569	10.9	87	0.00
41	T	Methacrylonitrile	50.000	51.372	-2.7	89	0.00
42	TM	1,2-Dichloroethane	50.000	46.931	6.1	87	0.00
43	T	Isopropyl Acetate	50.000	53.170	-6.3	103	0.00
44	TM	Trichloroethene	50.000	45.377	9.2	88	0.00
45	C	1,2-Dichloropropane	50.000	46.403	7.2#	88	0.00
46	T	Dibromomethane	50.000	46.413	7.2	89	0.00
47	T	Bromodichloromethane	50.000	47.610	4.8	90	0.00
48	T	Methyl methacrylate	50.000	51.941	-3.9	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	1139.238	-13.9	103	0.00
50	S	Toluene-d8	50.000	48.386	3.2	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.309	-8.5	97	0.00
52	CM	Toluene	50.000	47.993	4.0#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	46.248	7.5	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	45.810	8.4	85	0.00
55	T	1,1,2-Trichloroethane	50.000	48.273	3.5	91	0.00
56	T	Ethyl methacrylate	50.000	55.974	-11.9	93	0.00
57	T	1,3-Dichloropropane	50.000	48.318	3.4	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.948	-7.6	86	0.00
59	T	2-Hexanone	250.000	282.678	-13.1	100	0.00
60	T	Dibromochloromethane	50.000	50.662	-1.3	91	0.00
61	T	1,2-Dibromoethane	50.000	48.848	2.3	93	0.00
62	S	4-Bromofluorobenzene	50.000	49.793	0.4	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	45.715	8.6	91	0.00
65	PM	Chlorobenzene	50.000	45.063	9.9	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.117	5.8	91	0.00
67	C	Ethyl Benzene	50.000	48.816	2.4#	90	0.00
68	T	m/p-Xylenes	100.000	97.406	2.6	88	0.00
69	T	o-Xylene	50.000	50.550	-1.1	91	0.00
70	T	Styrene	50.000	49.221	1.6	88	0.00
71	P	Bromoform	50.000	49.894	0.2	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	51.499	-3.0	94	0.00
74	T	N-amyl acetate	50.000	51.881	-3.8	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.679	8.6	92	0.00
76	T	1,2,3-Trichloropropane	50.000	44.582	10.8	93	0.00
77	T	Bromobenzene	50.000	44.282	11.4	87	0.00
78	T	n-propylbenzene	50.000	48.874	2.3	88	0.00
79	T	2-Chlorotoluene	50.000	46.294	7.4	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.751	-1.5	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.915	10.2	87	0.00
82	T	4-Chlorotoluene	50.000	43.924	12.2	85	0.00
83	T	tert-Butylbenzene	50.000	54.138	-8.3	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.655	0.7	88	0.00
85	T	sec-Butylbenzene	50.000	50.669	-1.3	90	0.00
86	T	p-Isopropyltoluene	50.000	52.480	-5.0	89	0.00
87	T	1,3-Dichlorobenzene	50.000	41.628	16.7	85	0.00
88	T	1,4-Dichlorobenzene	50.000	45.560	8.9	85	0.00
89	T	n-Butylbenzene	50.000	46.596	6.8	86	0.00
90	T	Hexachloroethane	50.000	43.552	12.9	85	0.00
91	T	1,2-Dichlorobenzene	50.000	44.970	10.1	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.063	-4.1	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.394	5.2	98	0.00
94	T	Hexachlorobutadiene	50.000	44.315	11.4	94	0.00
95	T	Naphthalene	50.000	54.353	-8.7	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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	47.936	4.1	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

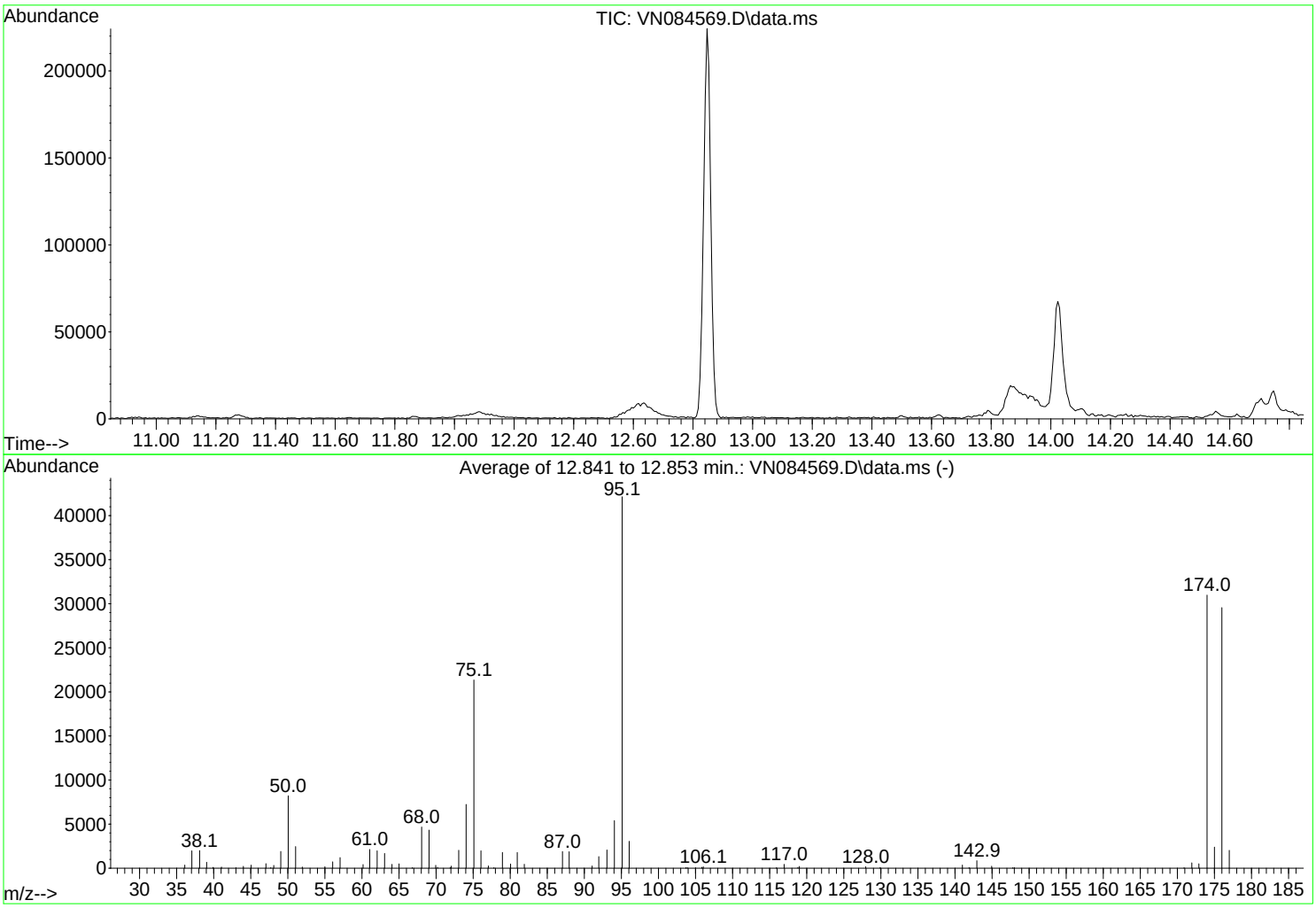
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
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\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

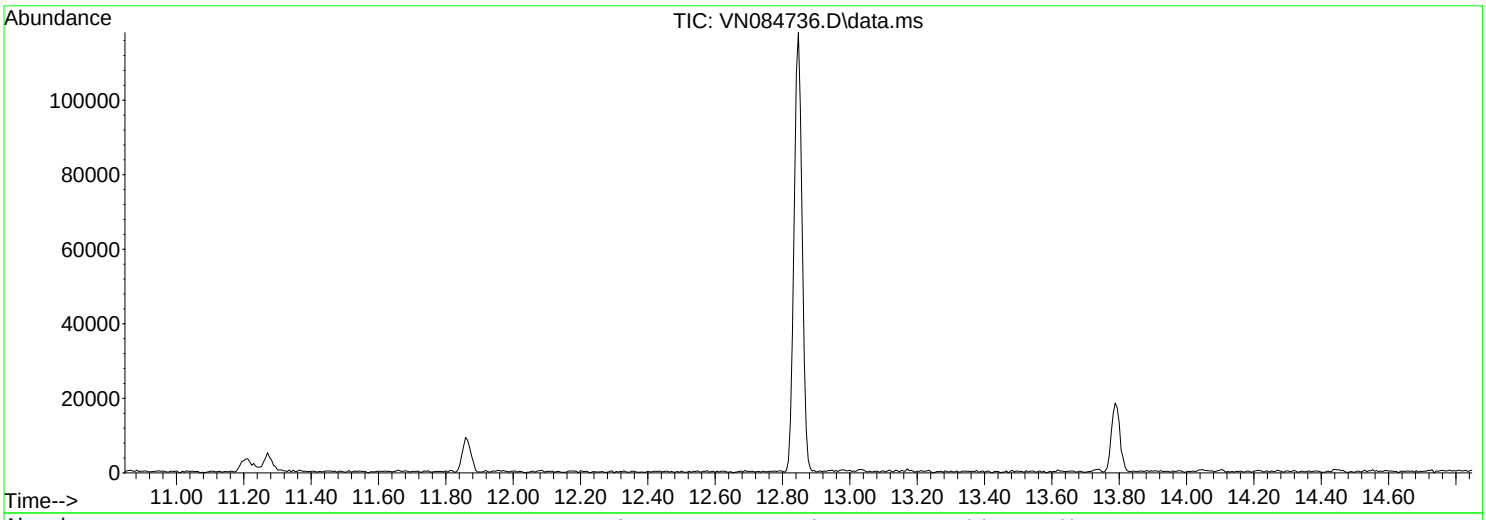
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

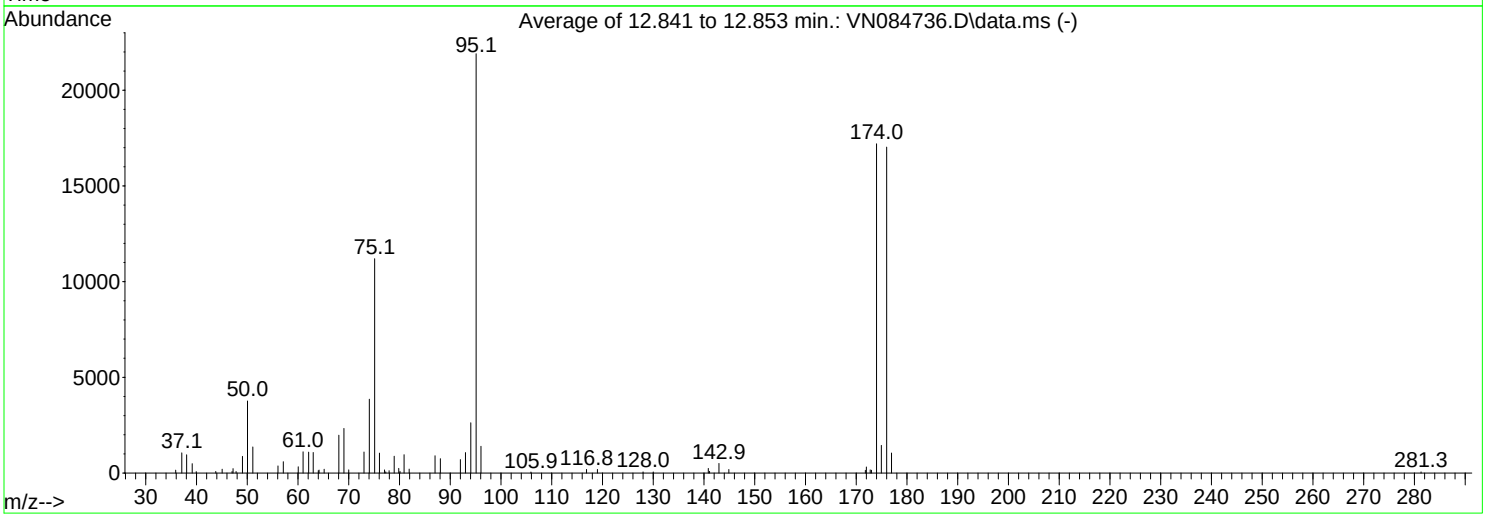
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084736.D
Acq On : 08 Nov 2024 08:18
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

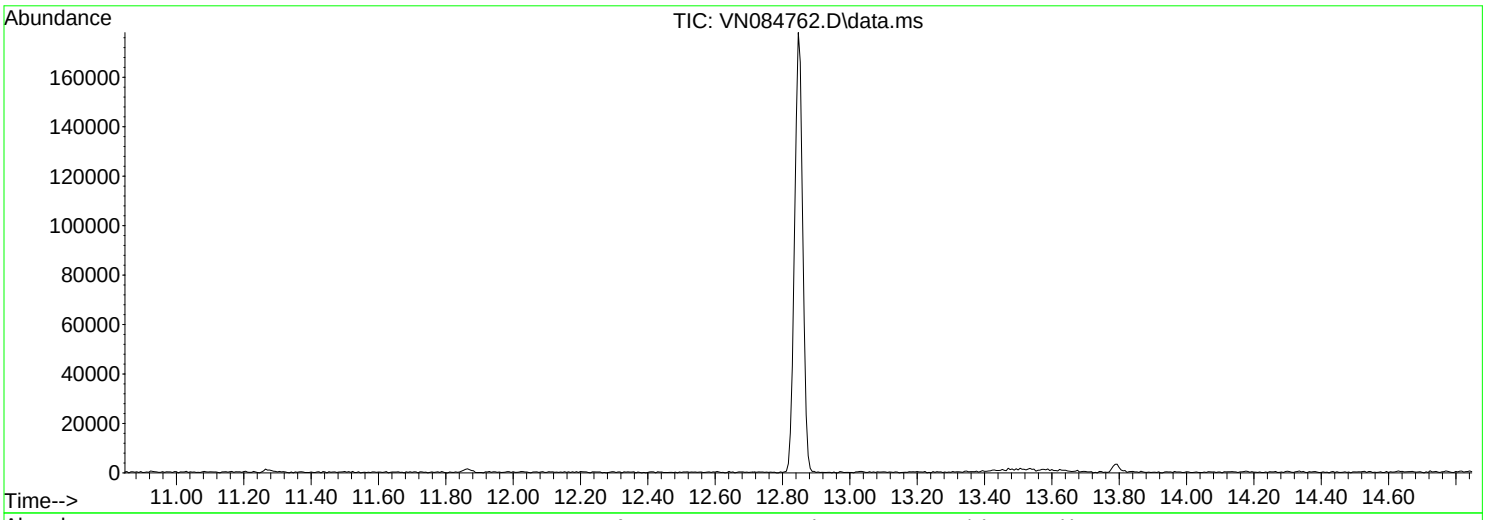
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	3766	PASS
75	95	30	60	51.1	11200	PASS
95	95	100	100	100.0	21907	PASS
96	95	5	9	6.4	1400	PASS
173	174	0.00	2	1.0	167	PASS
174	95	50	100	78.5	17202	PASS
175	174	5	9	8.4	1446	PASS
176	174	95	101	99.0	17029	PASS
177	176	5	9	6.2	1049	PASS

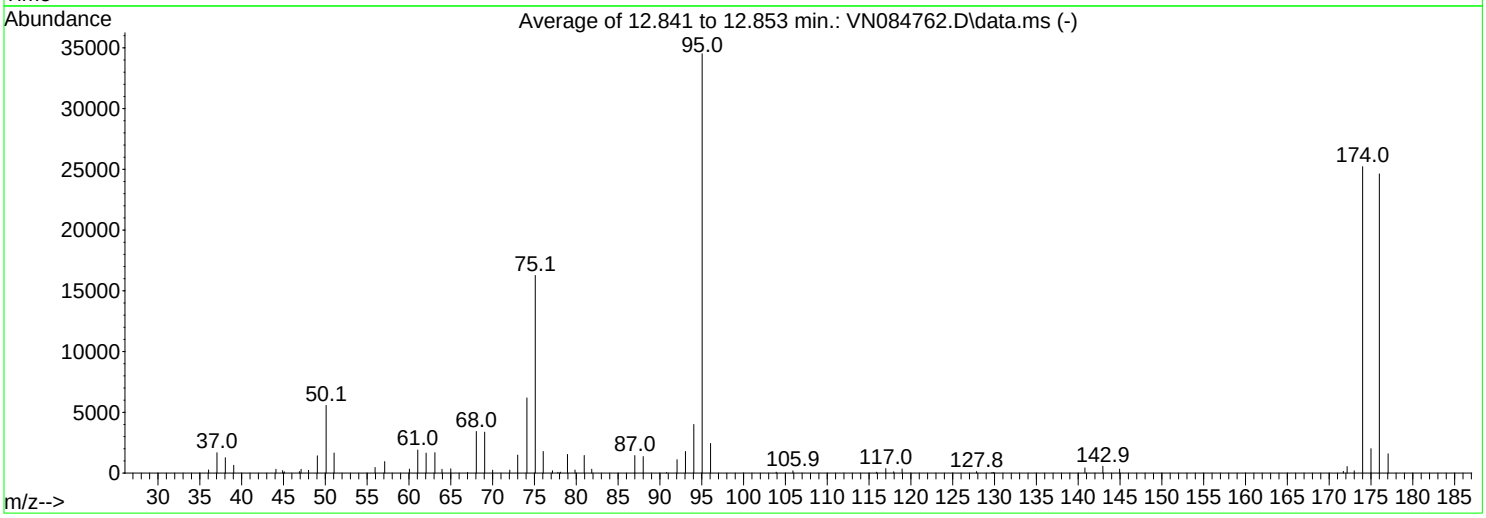
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084762.D
Acq On : 11 Nov 2024 10:21
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





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	16.1	5574	PASS
75	95	30	60	47.1	16266	PASS
95	95	100	100	100.0	34517	PASS
96	95	5	9	7.1	2436	PASS
173	174	0.00	2	0.8	191	PASS
174	95	50	100	73.1	25224	PASS
175	174	5	9	8.0	2010	PASS
176	174	95	101	97.6	24629	PASS
177	176	5	9	6.5	1591	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:	CTO WE13	Date Received:	
Client Sample ID:	VN1108WBL01	SDG No.:	P4774
Lab Sample ID:	VN1108WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084739.D	1		11/08/24 10:44	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	CTO WE13	Date Received:	
Client Sample ID:	VN1108WBL01	SDG No.:	P4774
Lab Sample ID:	VN1108WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084739.D	1		11/08/24 10:44	VN110824

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	45.6		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.218				
540-36-3	1,4-Difluorobenzene	297000	9.1				
3114-55-4	Chlorobenzene-d5	256000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	114000	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\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Quant Time: Nov 08 22:26:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119910	48.722	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.440%		
35) Dibromofluoromethane	8.159	113	98292	48.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.760%		
50) Toluene-d8	10.565	98	337837	45.608	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.220%		
62) 4-Bromofluorobenzene	12.847	95	127156	45.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.860%		

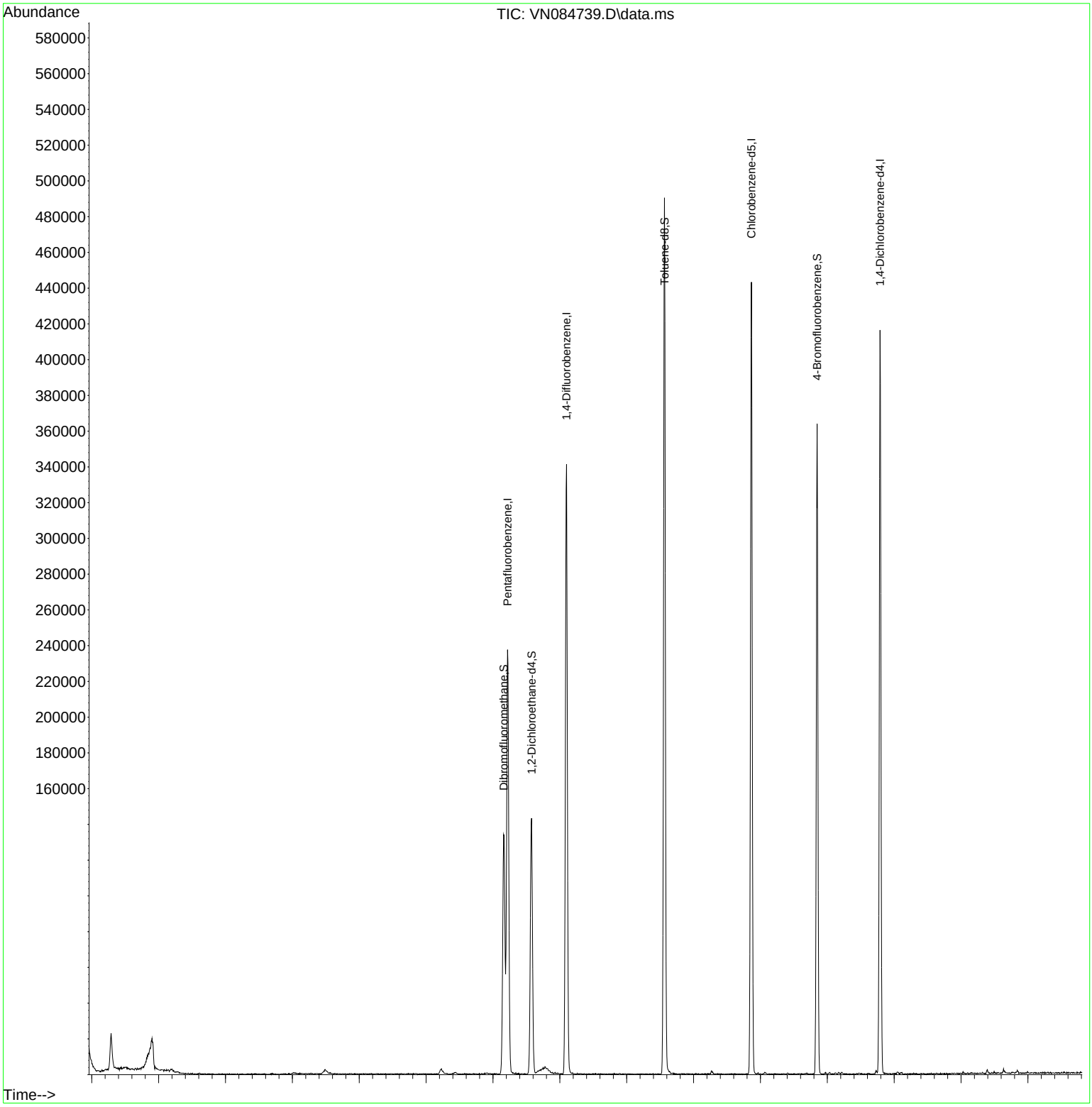
Target Compounds Qvalue

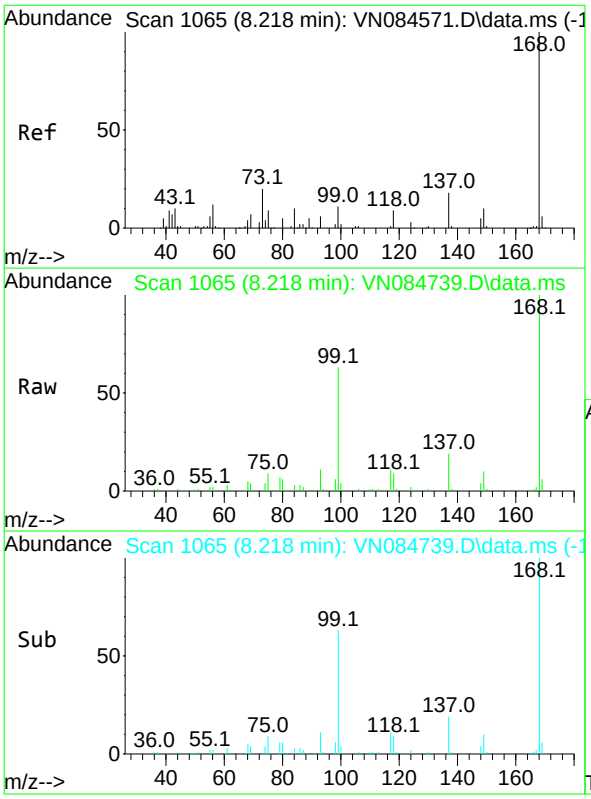
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Quant Time: Nov 08 22:26:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



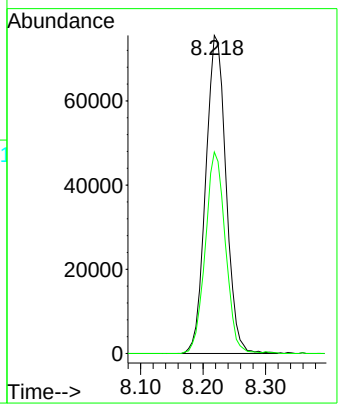


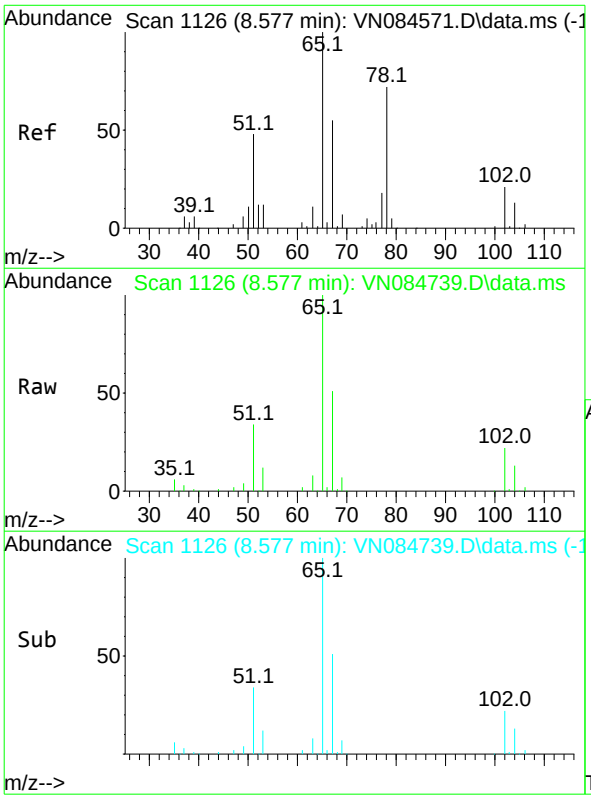
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Tgt Ion:168 Resp: 170398

Ion	Ratio	Lower	Upper
168	100		
99	63.3	54.2	81.2

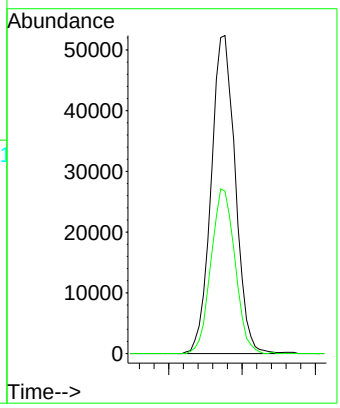


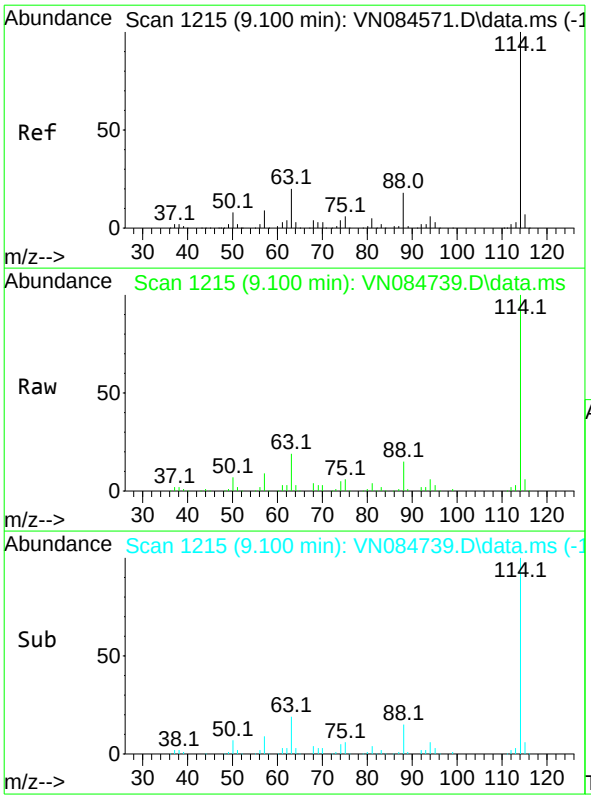


#33
1,2-Dichloroethane-d4
Concen: 48.722 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Tgt Ion: 65 Resp: 119910

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



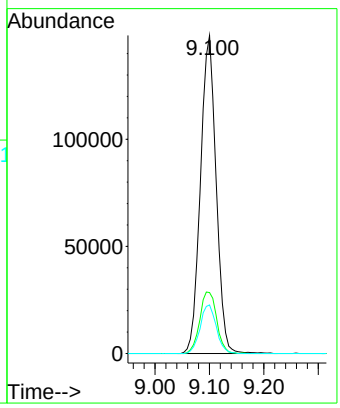


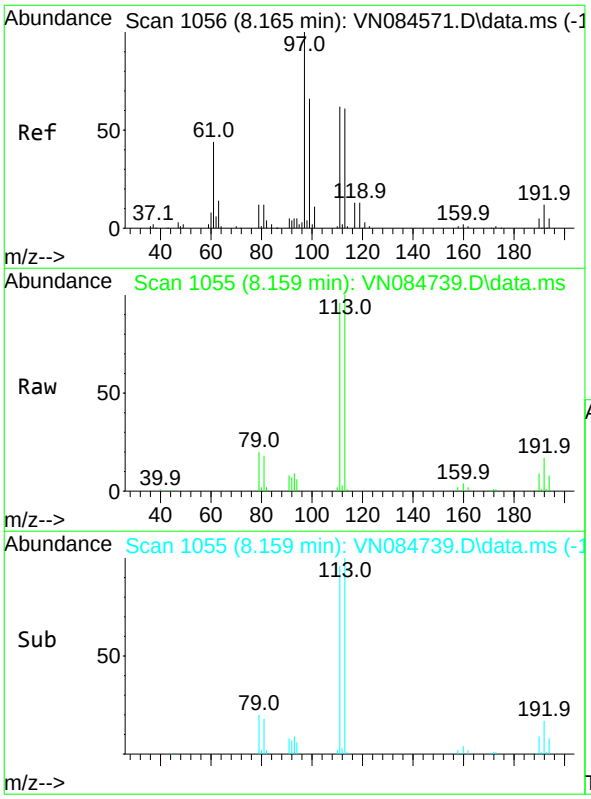
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Tgt Ion:114 Resp: 297081

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	43.8
88	15.3	0.0	31.6

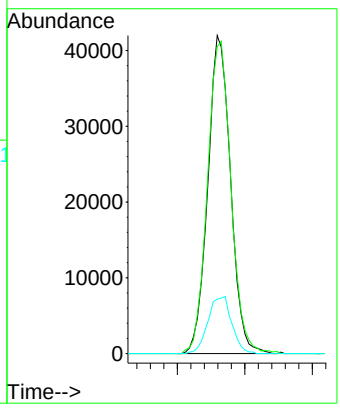


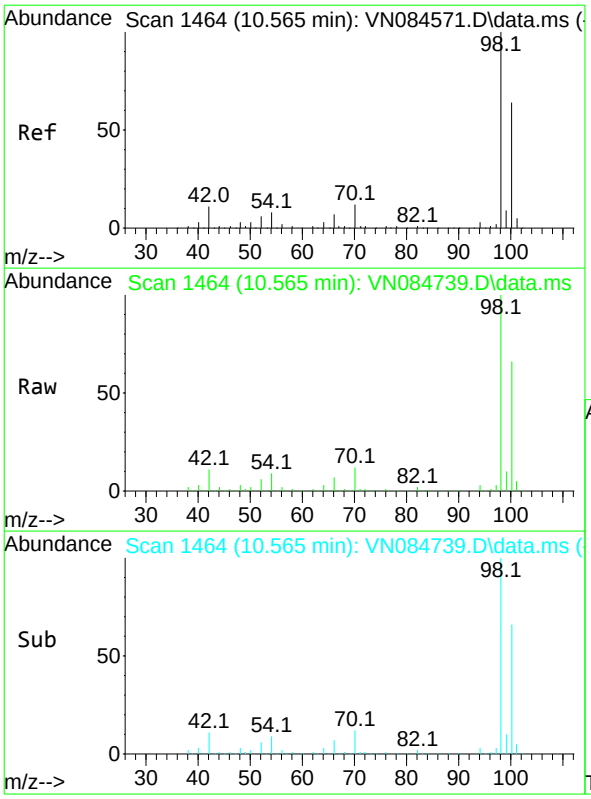


#35
Dibromofluoromethane
Concen: 48.880 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Tgt Ion:113 Resp: 98292

Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.3	124.9
192	18.7	13.5	20.3



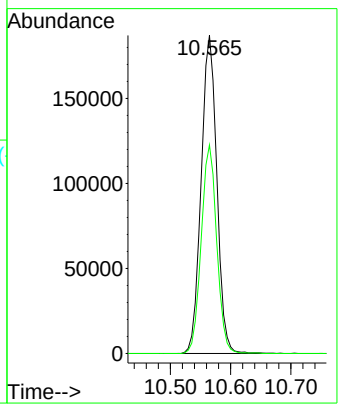


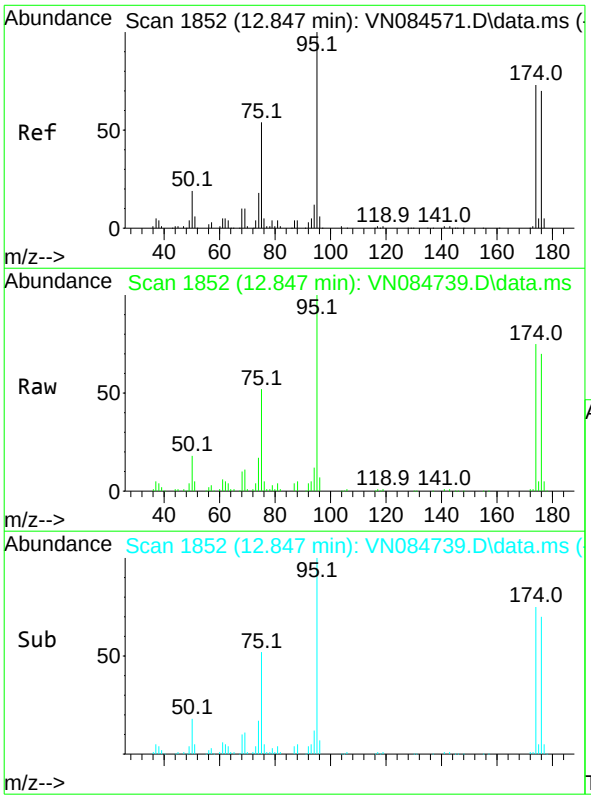
#50
Toluene-d8
Concen: 45.608 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Tgt Ion: 98 Resp: 337837

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1

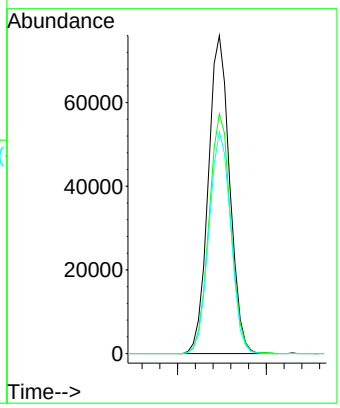


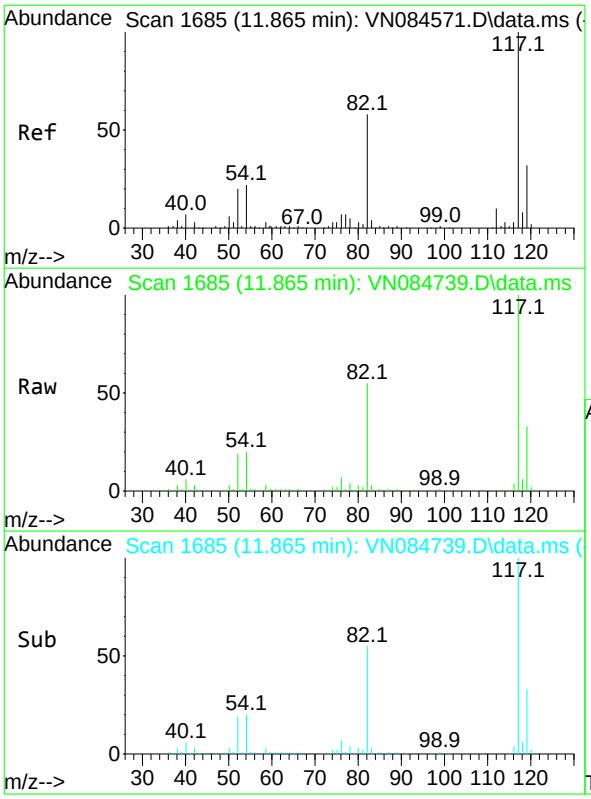


#62
4-Bromofluorobenzene
Concen: 45.931 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Tgt Ion: 95 Resp: 127156

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	145.2
176	70.9	0.0	140.0



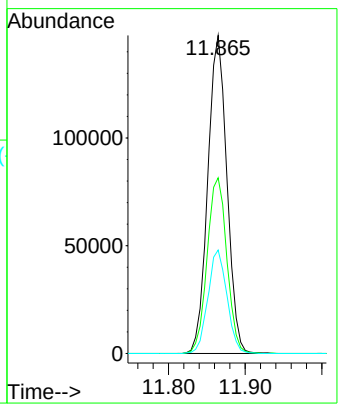


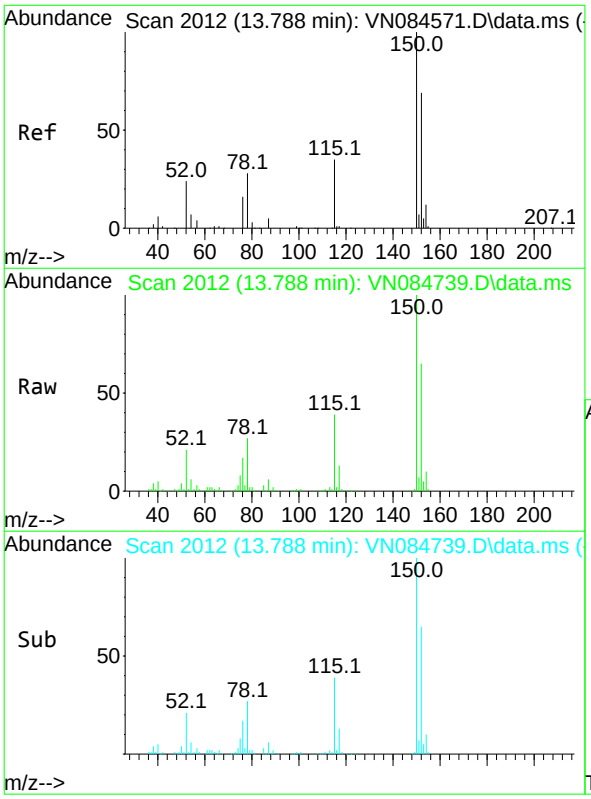
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Tgt Ion:117 Resp: 255691

Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.2	70.8
119	32.5	25.4	38.0

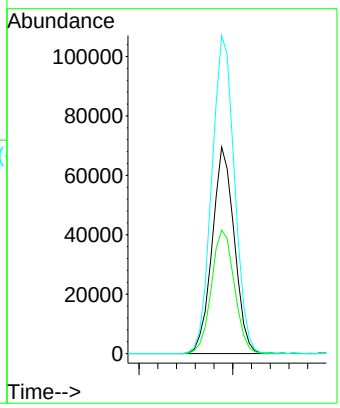




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084739.D
Acq: 08 Nov 2024 10:44

Tgt Ion:152 Resp: 113797

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	158.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084739.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	65	rBV2	20512	45164	5.11%	0.912%
2	2.848	140	152	153	rBV6	8186	21534	2.43%	0.435%
3	2.901	153	161	168	rVB6	17107	55950	6.33%	1.130%
4	8.159	1045	1055	1060	rBV2	134091	321104	36.31%	6.485%
5	8.218	1060	1065	1078	rVB	237036	526991	59.59%	10.643%
6	8.577	1115	1126	1136	rBV	143247	324766	36.72%	6.559%
7	9.100	1205	1215	1228	rBV	341294	692489	78.30%	13.985%
8	10.565	1455	1464	1476	rBV	490177	884391	100.00%	17.861%
9	11.865	1676	1685	1698	rVB	443022	781929	88.41%	15.791%
10	12.847	1845	1852	1865	rVB	363915	601818	68.05%	12.154%
11	13.788	2005	2012	2022	rVB	415870	695511	78.64%	14.046%

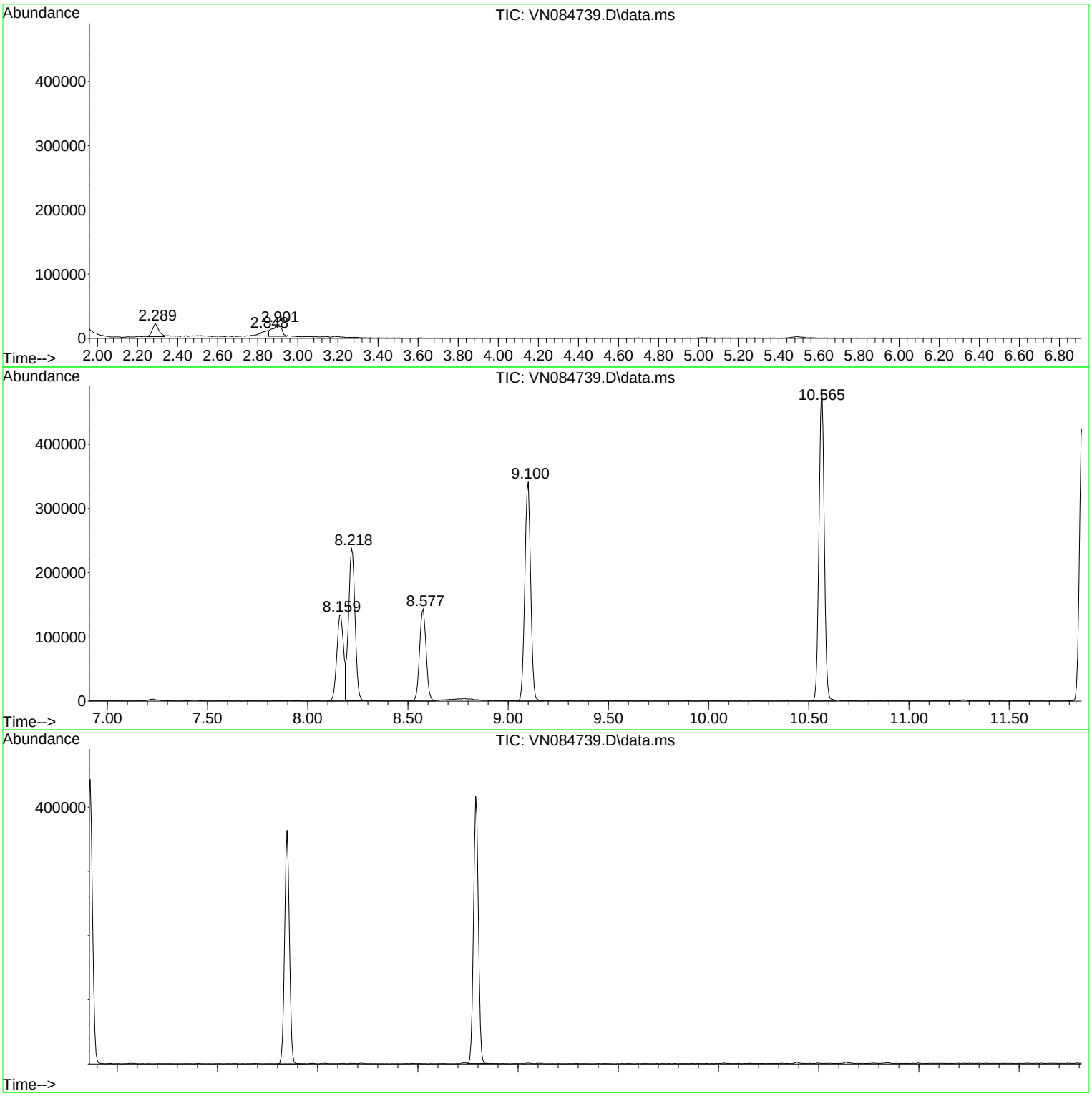
Sum of corrected areas: 4951647

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084739.D
Acq On : 08 Nov 2024 10:44
Operator : JC\MD
Sample : VN1108WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	CTO WE13	Date Received:	
Client Sample ID:	VN1111WBL01	SDG No.:	P4774
Lab Sample ID:	VN1111WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084765.D	1		11/11/24 12:30	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.30	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	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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:	CTO WE13	Date Received:	
Client Sample ID:	VN1111WBL01	SDG No.:	P4774
Lab Sample ID:	VN1111WBL01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084765.D	1		11/11/24 12:30	VN111124

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	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.0		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	45.9		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	8.224				
540-36-3	1,4-Difluorobenzene	283000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	115000	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\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Quant Time: Nov 11 12:48:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

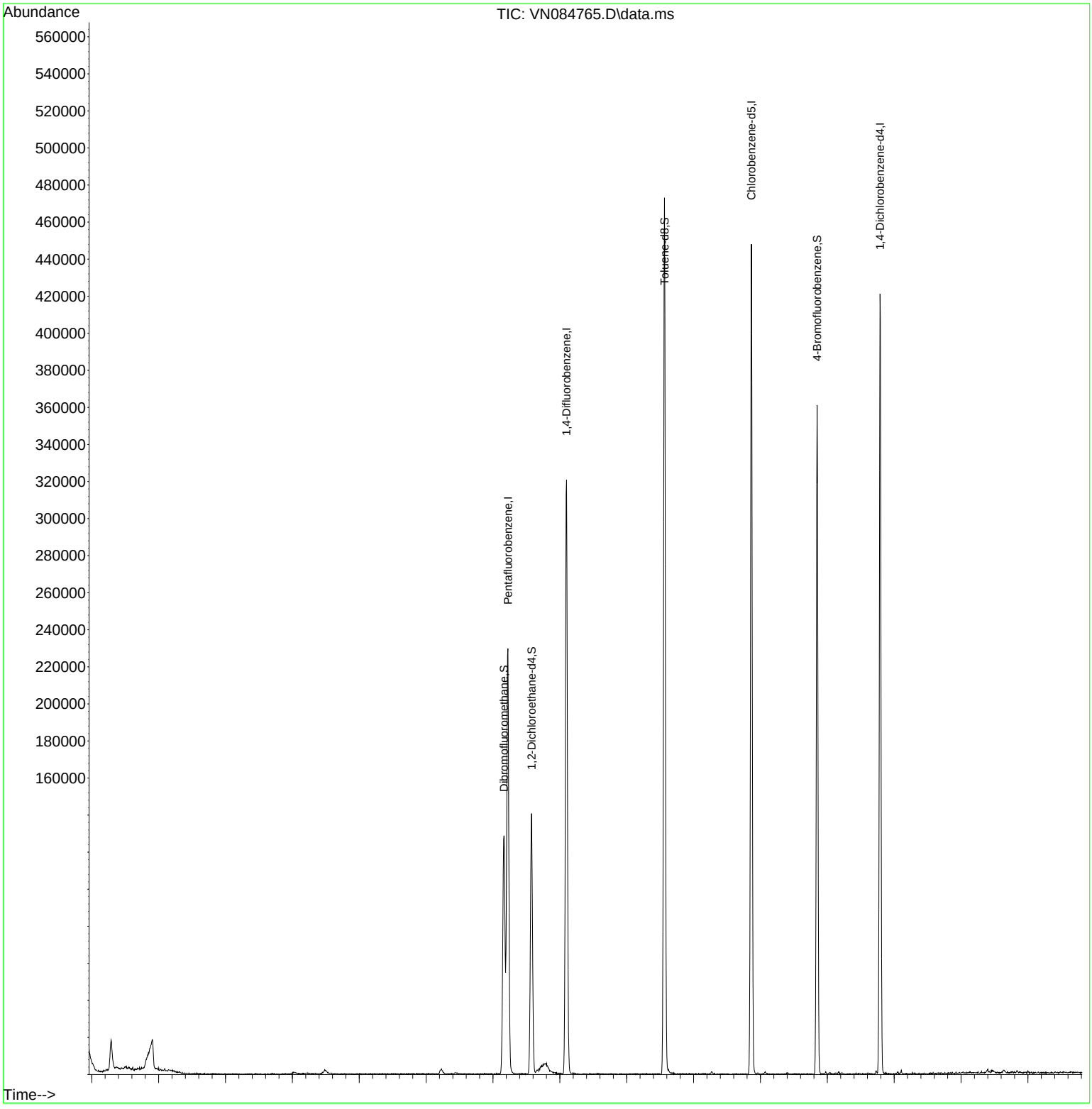
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115755	47.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.900%		
35) Dibromofluoromethane	8.165	113	94094	49.101	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.200%		
50) Toluene-d8	10.565	98	324137	45.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.840%		
62) 4-Bromofluorobenzene	12.847	95	126929	48.111	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.220%		
Target Compounds						Qvalue

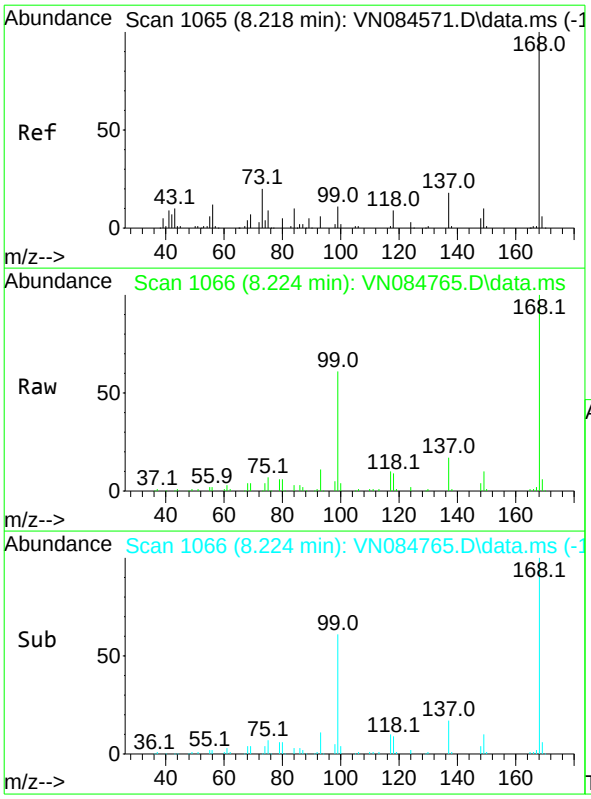
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Quant Time: Nov 11 12:48:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



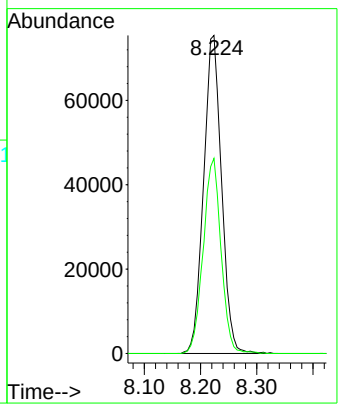


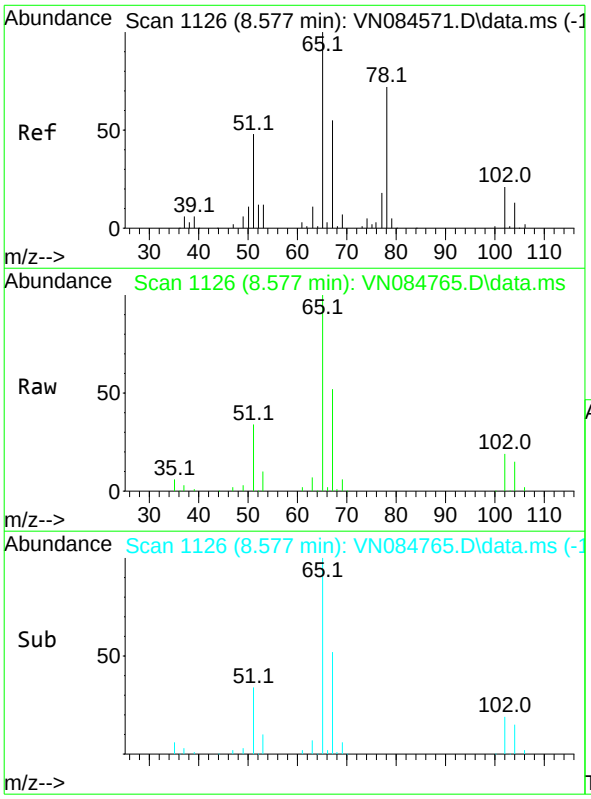
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion:168 Resp: 167136

Ion	Ratio	Lower	Upper
168	100		
99	61.3	54.2	81.2

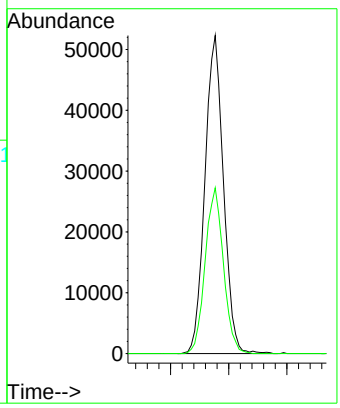


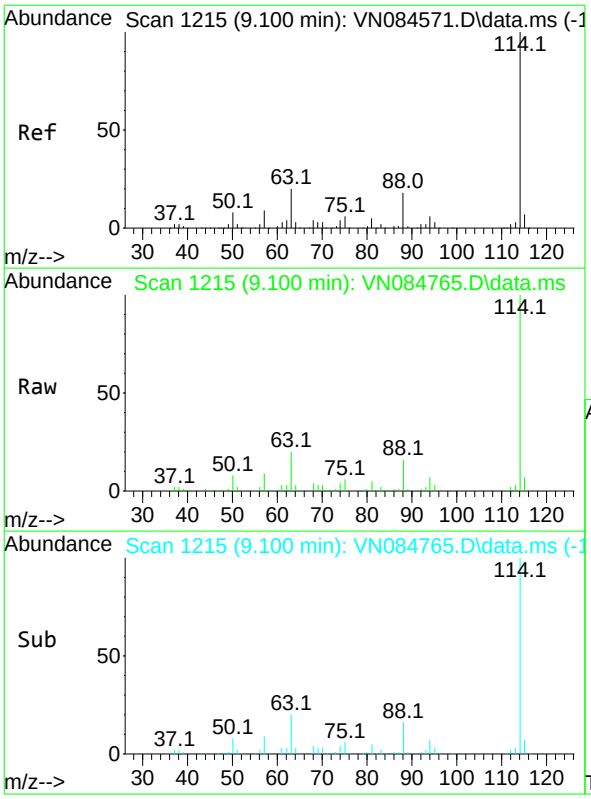


#33
1,2-Dichloroethane-d4
Concen: 47.951 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Tgt Ion: 65 Resp: 115755

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.0



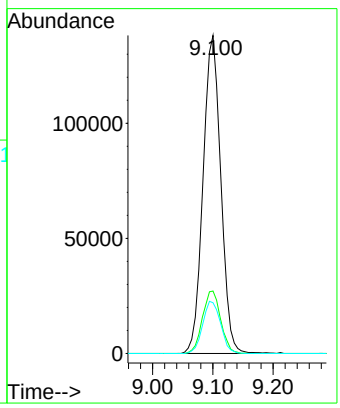


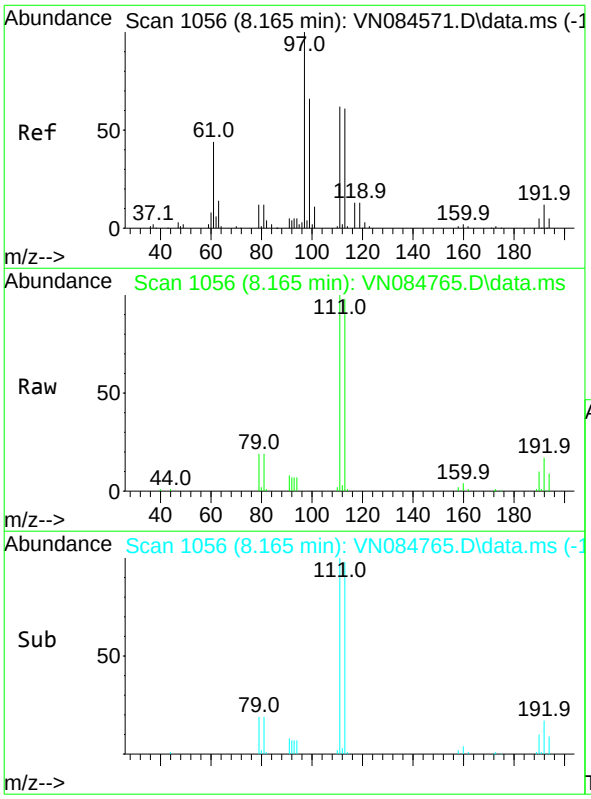
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion:114 Resp: 283115

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	43.8
88	16.0	0.0	31.6

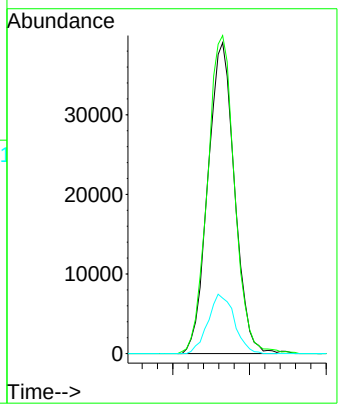


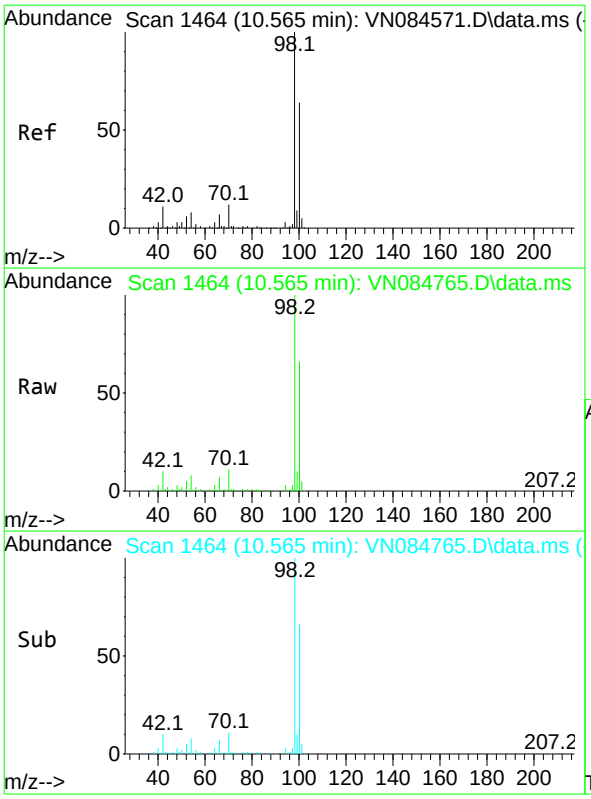


#35
Dibromofluoromethane
Concen: 49.101 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Tgt Ion:113 Resp: 94094

Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.3	124.9
192	18.9	13.5	20.3



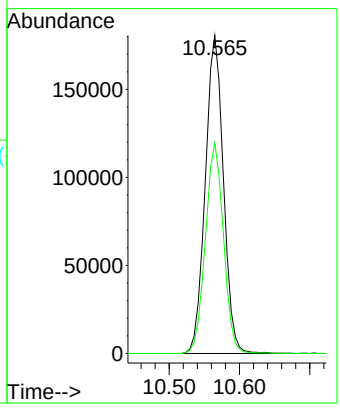


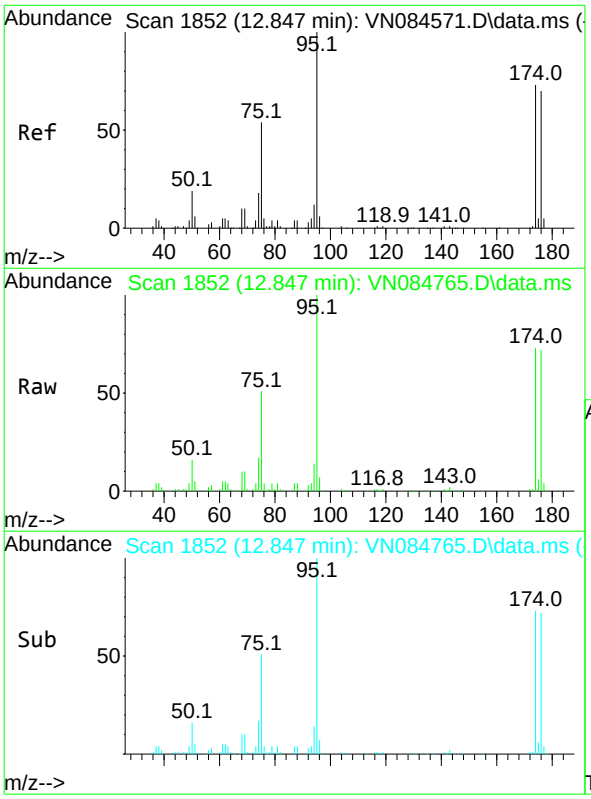
#50
Toluene-d8
Concen: 45.917 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion: 98 Resp: 324137

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1

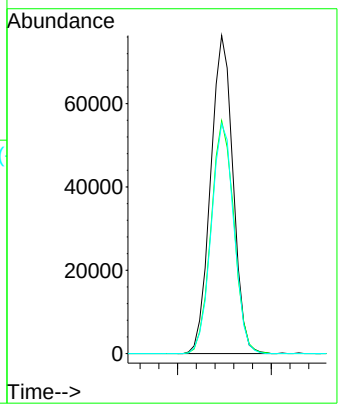


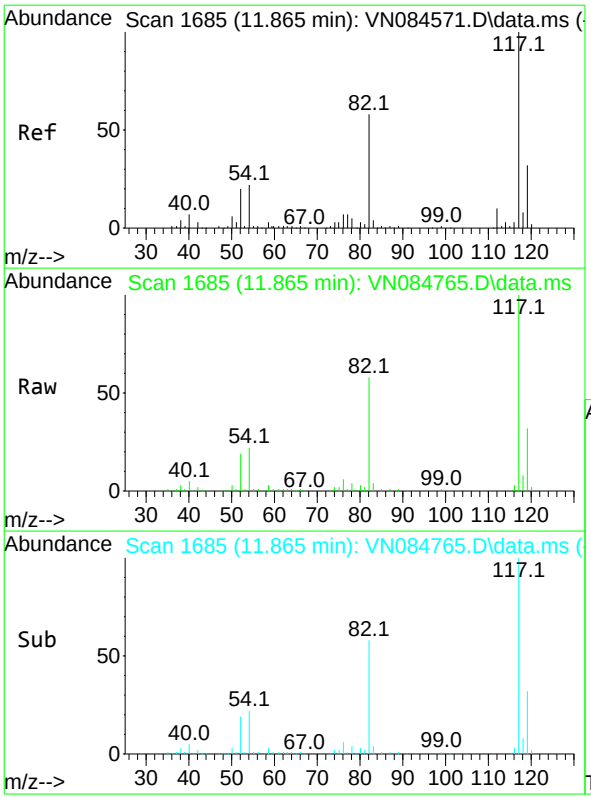


#62
4-Bromofluorobenzene
Concen: 48.111 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Tgt Ion: 95 Resp: 126929

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	145.2
176	73.2	0.0	140.0



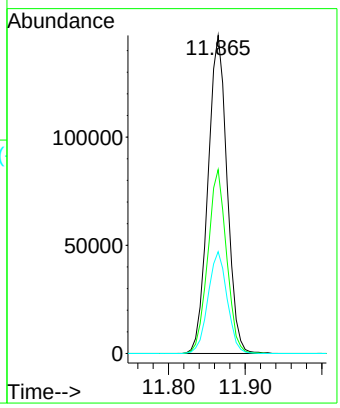


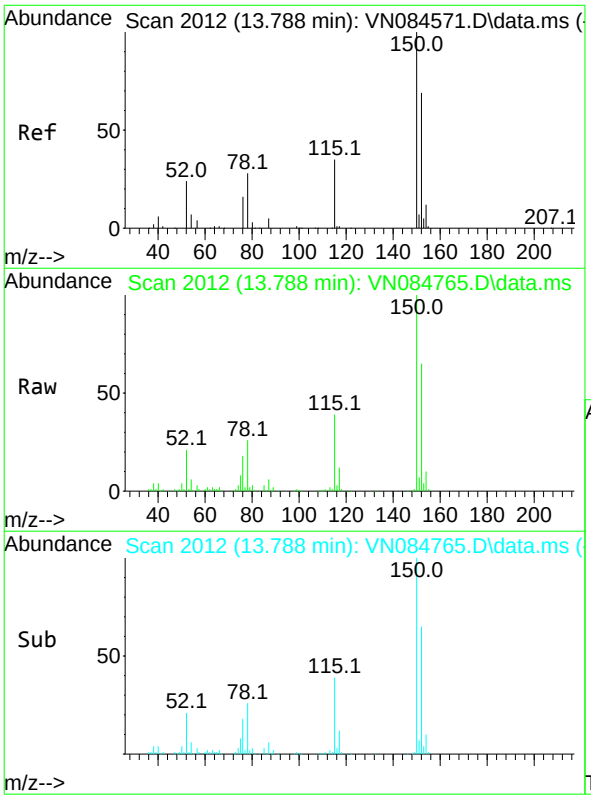
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion:117 Resp: 253987

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.0	25.4	38.0

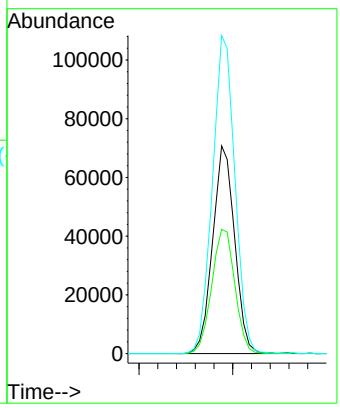




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084765.D
Acq: 11 Nov 2024 12:30

Tgt Ion:152 Resp: 115446

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	156.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

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\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084765.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	66	rBV3	16280	39189	4.56%	0.809%
2	2.848	141	152	153	rBV4	8303	20845	2.43%	0.430%
3	2.907	153	162	170	rVB5	15795	52595	6.12%	1.086%
4	8.165	1046	1056	1060	rBV	128412	307395	35.77%	6.347%
5	8.224	1060	1066	1080	rVB	229249	511447	59.51%	10.560%
6	8.577	1117	1126	1136	rBV	140295	307617	35.79%	6.352%
7	9.100	1206	1215	1226	rVB	320309	660476	76.85%	13.638%
8	10.565	1454	1464	1473	rBV	473132	859465	100.00%	17.746%
9	11.865	1677	1685	1698	rBB	448078	775618	90.24%	16.015%
10	12.847	1844	1852	1861	rVB	361251	602465	70.10%	12.440%
11	13.788	2005	2012	2022	rVB	420848	705944	82.14%	14.576%

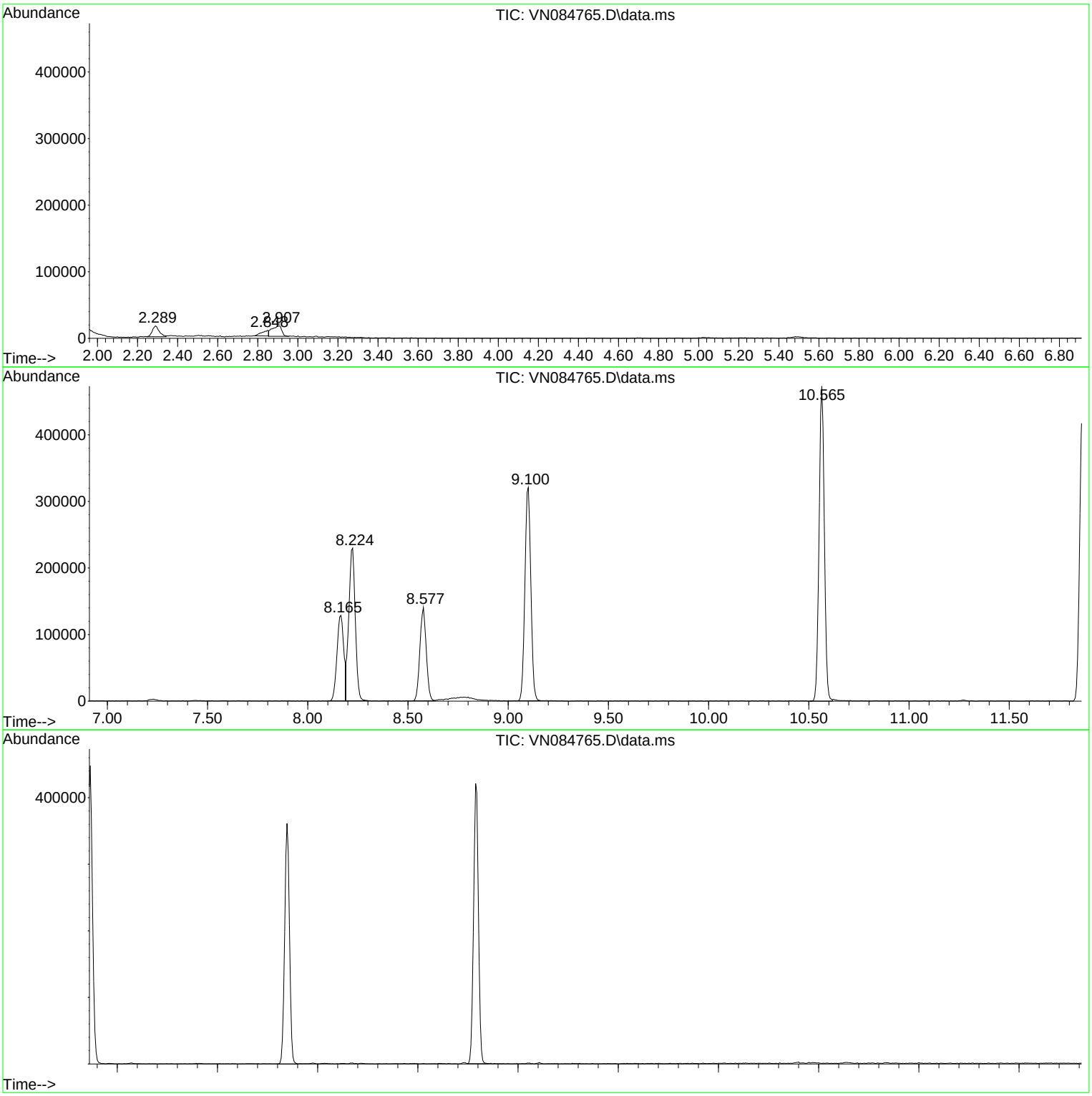
Sum of corrected areas: 4843056

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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\VN111124\
Data File : VN084765.D
Acq On : 11 Nov 2024 12:30
Operator : JC\MD
Sample : VN1111WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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:	CTO WE13	Date Received:	
Client Sample ID:	VN1108WBS01	SDG No.:	P4774
Lab Sample ID:	VN1108WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084740.D	1		11/08/24 11:19	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	14.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.0		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.1		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.8		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.8		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.19	0.50	1.00	ug/L
71-43-2	Benzene	17.7		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.9		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	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:	CTO WE13		Date Received:		
Client Sample ID:	VN1108WBS01		SDG No.:	P4774	
Lab Sample ID:	VN1108WBS01		Matrix:	Water	
Analytical Method:	SW8260		% 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
VN084740.D	1		11/08/24 11:19	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.0		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	36.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.1		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.2		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		80 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	47.1		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175000	8.218				
540-36-3	1,4-Difluorobenzene	291000	9.1				
3114-55-4	Chlorobenzene-d5	263000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	136000	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\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116684	46.174	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.340%			
35) Dibromofluoromethane	8.165	113	93853	47.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.240%			
50) Toluene-d8	10.565	98	341782	47.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.847	95	137305	50.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34767	17.286	ug/l	93
3) Chloromethane	2.359	50	37956	14.282	ug/l	93
4) Vinyl Chloride	2.512	62	34968	16.164	ug/l	97
5) Bromomethane	2.901	94	19469	16.986	ug/l	95
6) Chloroethane	3.065	64	23715	16.783	ug/l	93
7) Trichlorofluoromethane	3.465	101	63402	17.792	ug/l	99
8) Diethyl Ether	3.948	74	22022	17.518	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	36193	17.974	ug/l	96
10) Methyl Iodide	4.577	142	47599	17.687	ug/l	95
11) Tert butyl alcohol	5.530	59	36995	110.909	ug/l	96
12) 1,1-Dichloroethene	4.318	96	33369	16.748	ug/l	98
13) Acrolein	4.177	56	25953	78.026	ug/l	99
14) Allyl chloride	5.012	41	55430	17.154	ug/l	93
15) Acrylonitrile	5.712	53	99106	102.632	ug/l	98
16) Acetone	4.430	43	82332	111.205	ug/l	96
17) Carbon Disulfide	4.695	76	92605	15.092	ug/l	100
18) Methyl Acetate	5.024	43	49919	16.007	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	115190	18.862	ug/l	100
20) Methylene Chloride	5.259	84	39511	17.777	ug/l #	83
21) trans-1,2-Dichloroethene	5.777	96	34277	16.754	ug/l	98
22) Diisopropyl ether	6.665	45	118560	18.466	ug/l	96
23) Vinyl Acetate	6.600	43	425627	96.129	ug/l	98
24) 1,1-Dichloroethane	6.559	63	68939	17.884	ug/l	97
25) 2-Butanone	7.483	43	123723	104.944	ug/l	97
26) 2,2-Dichloropropane	7.489	77	62524	18.636	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	43621	18.260	ug/l	95
28) Bromochloromethane	7.812	49	30783	20.044	ug/l	91
29) Tetrahydrofuran	7.836	42	80577	103.022	ug/l	94
30) Chloroform	7.965	83	73867	18.827	ug/l	99
31) Cyclohexane	8.253	56	57060	16.355	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	66952	18.749	ug/l	96
36) 1,1-Dichloropropene	8.365	75	47988	17.555	ug/l	99
37) Ethyl Acetate	7.553	43	51613	20.810	ug/l	97
38) Carbon Tetrachloride	8.359	117	57972	18.973	ug/l	97
39) Methylcyclohexane	9.594	83	51512	18.523	ug/l	98
40) Benzene	8.600	78	155201	17.679	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27233	20.418 ug/l	94
42) 1,2-Dichloroethane	8.665	62	54291	19.095 ug/l	99
43) Isopropyl Acetate	8.688	43	86390	18.241 ug/l	99
44) Trichloroethene	9.353	130	37093	18.321 ug/l	96
45) 1,2-Dichloropropane	9.618	63	38326	18.610 ug/l	97
46) Dibromomethane	9.706	93	27144	18.679 ug/l	94
47) Bromodichloromethane	9.888	83	56189	18.343 ug/l #	96
48) Methyl methacrylate	9.677	41	37137	19.239 ug/l	92
49) 1,4-Dioxane	9.694	88	14506	424.079 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	255755	108.170 ug/l	98
52) Toluene	10.629	92	96819	18.857 ug/l	98
53) t-1,3-Dichloropropene	10.835	75	57707	18.200 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	61498	18.325 ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	37879	19.585 ug/l	98
56) Ethyl methacrylate	10.871	69	58163	20.791 ug/l	96
57) 1,3-Dichloropropane	11.165	76	64044	19.294 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	141306	107.944 ug/l	98
59) 2-Hexanone	11.194	43	188419	109.482 ug/l	96
60) Dibromochloromethane	11.359	129	44133	20.022 ug/l	100
61) 1,2-Dibromoethane	11.465	107	38295	19.336 ug/l	98
64) Tetrachloroethene	11.100	164	31948	18.289 ug/l	94
65) Chlorobenzene	11.888	112	103377	17.596 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	38498	18.839 ug/l	100
67) Ethyl Benzene	11.965	91	178544	18.206 ug/l	100
68) m/p-Xylenes	12.071	106	137179	36.948 ug/l	99
69) o-Xylene	12.394	106	65367	18.820 ug/l	99
70) Styrene	12.412	104	112670	18.596 ug/l	98
71) Bromoform	12.576	173	30386	19.760 ug/l #	95
73) Isopropylbenzene	12.694	105	164923	17.362 ug/l	99
74) N-amyl acetate	12.494	43	71767	17.751 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	57392	18.101 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	53019m	19.567 ug/l	
77) Bromobenzene	12.982	156	43577	17.064 ug/l	93
78) n-propylbenzene	13.035	91	191605	17.213 ug/l	98
79) 2-Chlorotoluene	13.123	91	126696	17.419 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	144609	18.367 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19561	17.126 ug/l	97
82) 4-Chlorotoluene	13.218	91	124322	16.242 ug/l	98
83) tert-Butylbenzene	13.435	119	122675	18.827 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	145733	17.935 ug/l	99
85) sec-Butylbenzene	13.612	105	163337	17.746 ug/l	99
86) p-Isopropyltoluene	13.729	119	135693	17.976 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	79514	15.955 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	78967	16.542 ug/l	99
89) n-Butylbenzene	14.053	91	112075	15.872 ug/l	97
90) Hexachloroethane	14.329	117	28476	16.916 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	80587	16.827 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12300	19.149 ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	39577	15.099 ug/l	98
94) Hexachlorobutadiene	15.500	225	18430	16.011 ug/l	98
95) Naphthalene	15.641	128	126375	16.107 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	39105	15.368 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

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

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

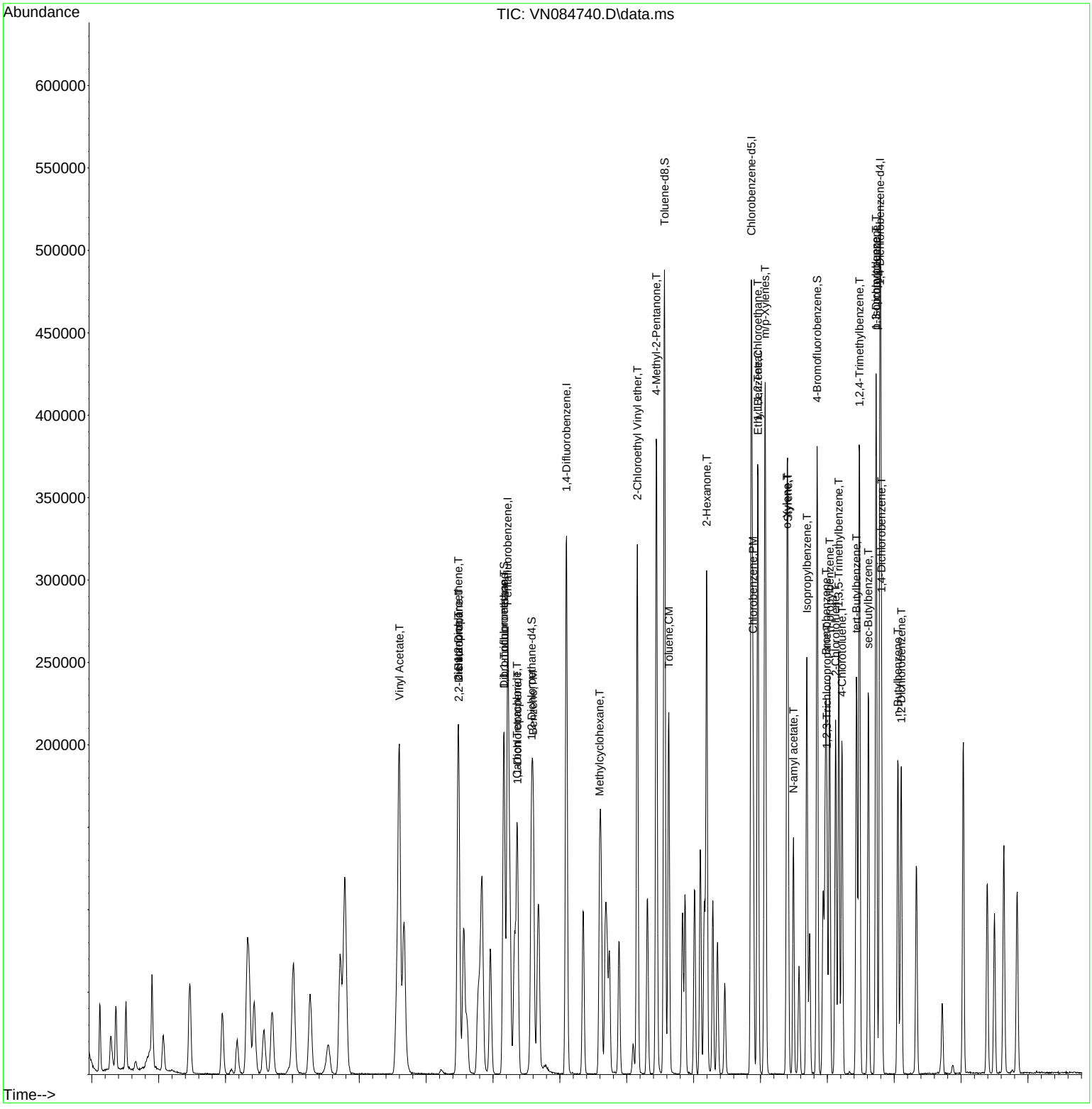
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

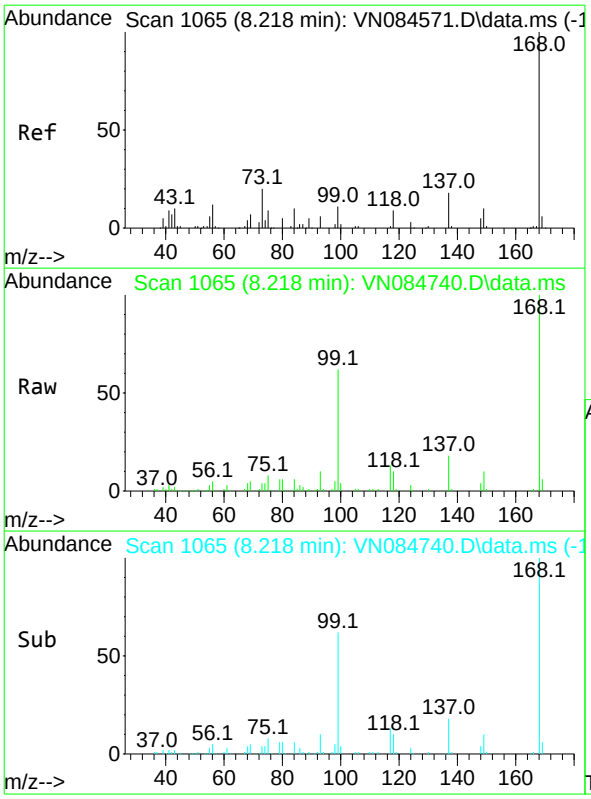
Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

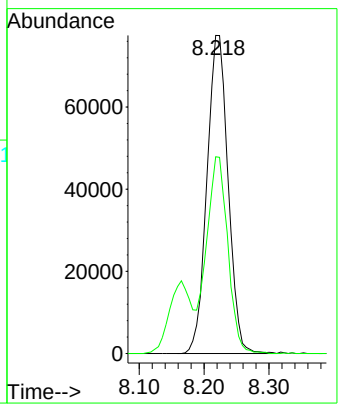




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:168 Resp: 174962

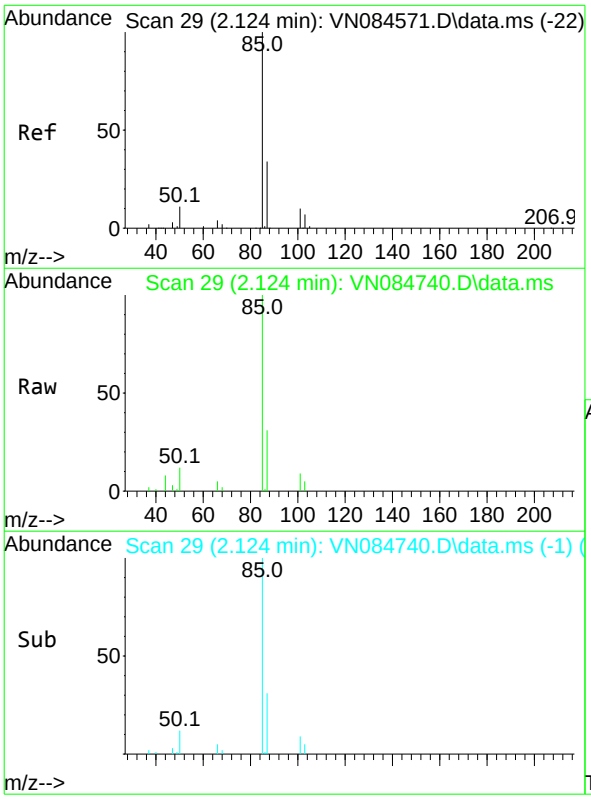
Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

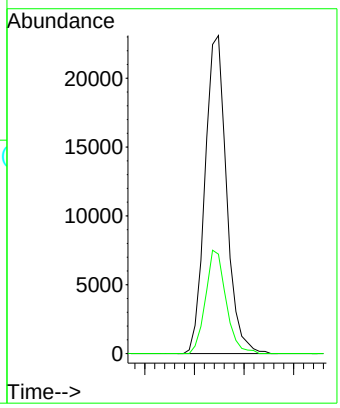
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

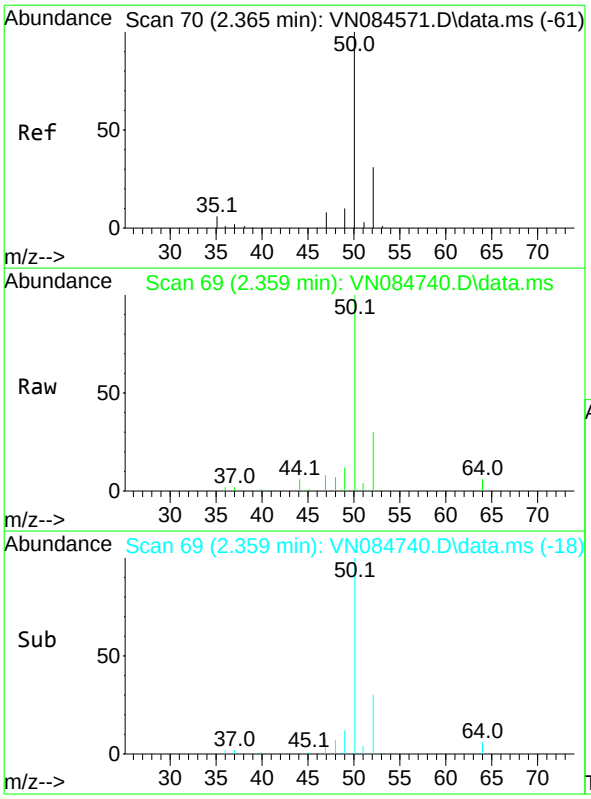


#2
Dichlorodifluoromethane
Concen: 17.286 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 85 Resp: 34767

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9

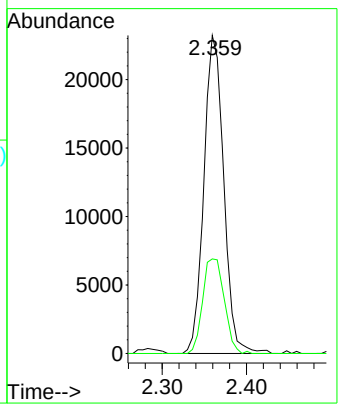




#3
Chloromethane
Concen: 14.282 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 50 Resp: 37956

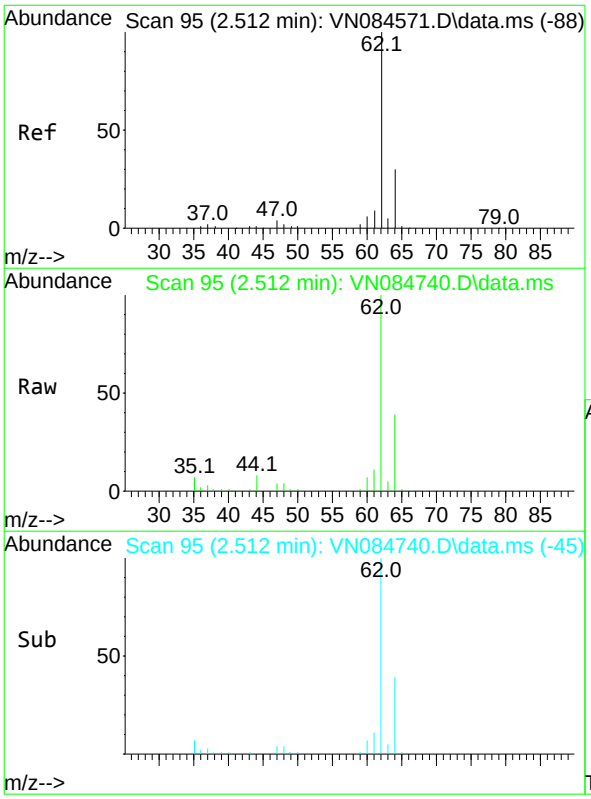
Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

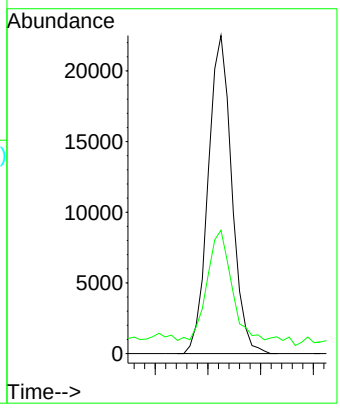
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

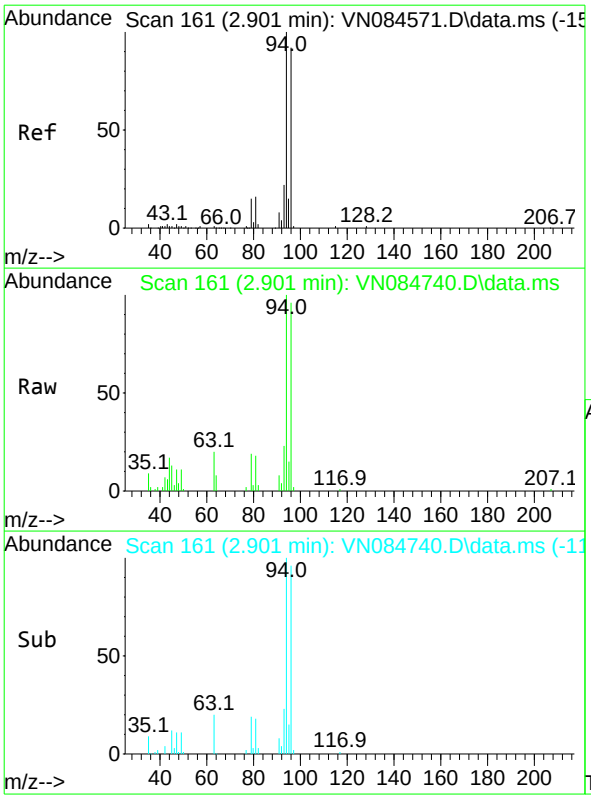


#4
Vinyl Chloride
Concen: 16.164 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 62 Resp: 34968

Ion	Ratio	Lower	Upper
62	100		
64	34.6	26.2	39.4

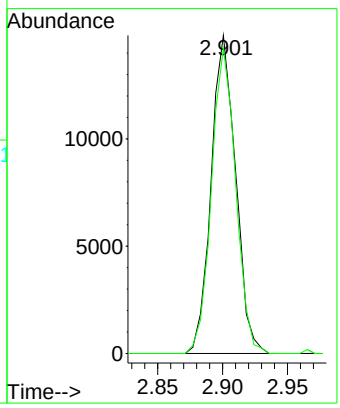




#5
Bromomethane
Concen: 16.986 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 94 Resp: 19469

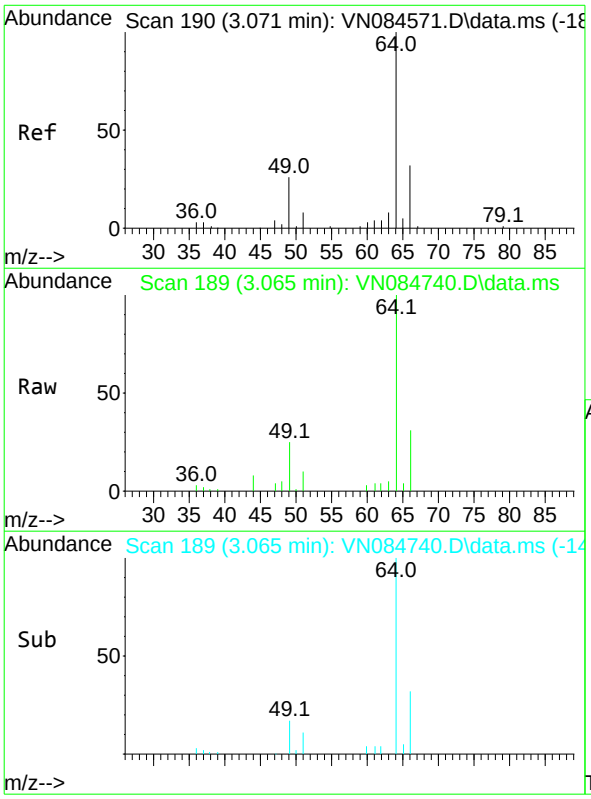
Ion	Ratio	Lower	Upper
94	100		
96	96.0	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

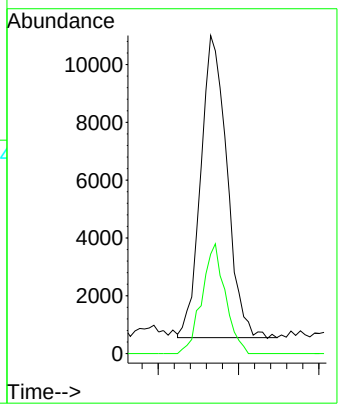
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

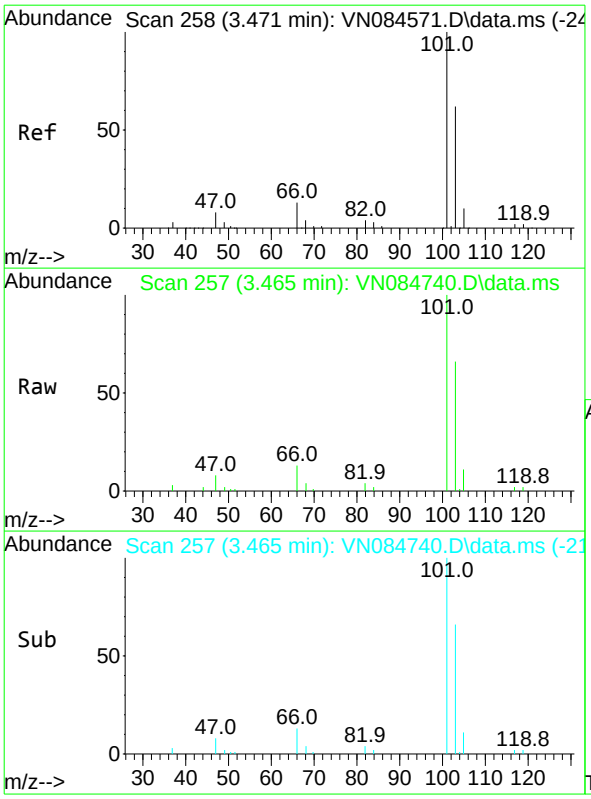


#6
Chloroethane
Concen: 16.783 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 64 Resp: 23715

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.5	35.3

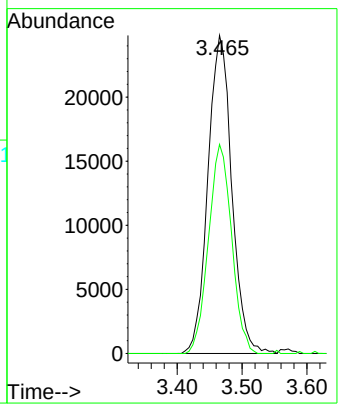




#7
Trichlorofluoromethane
Concen: 17.792 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:101 Resp: 63402

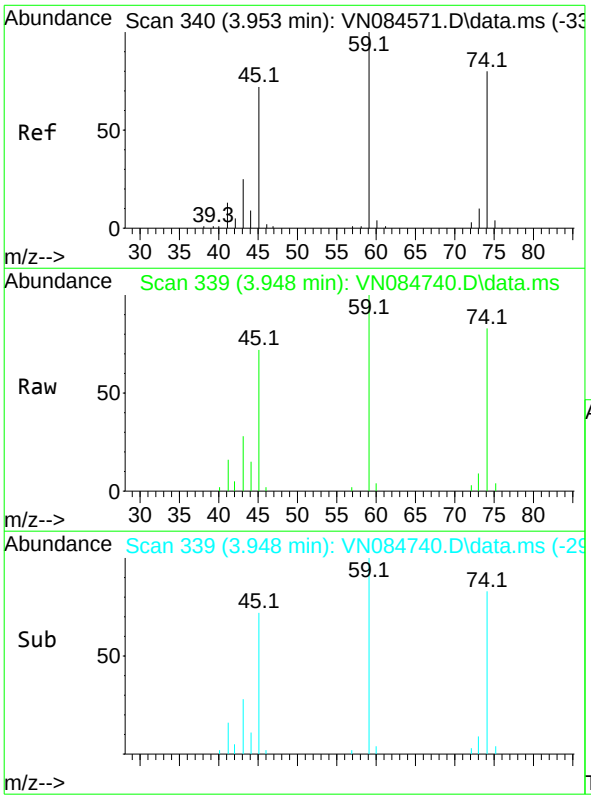
Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

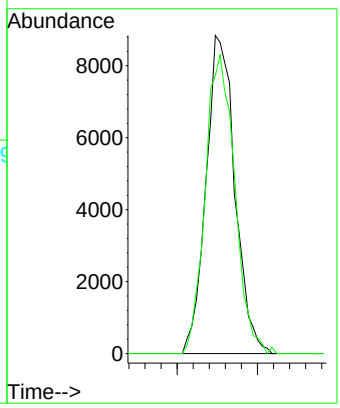
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

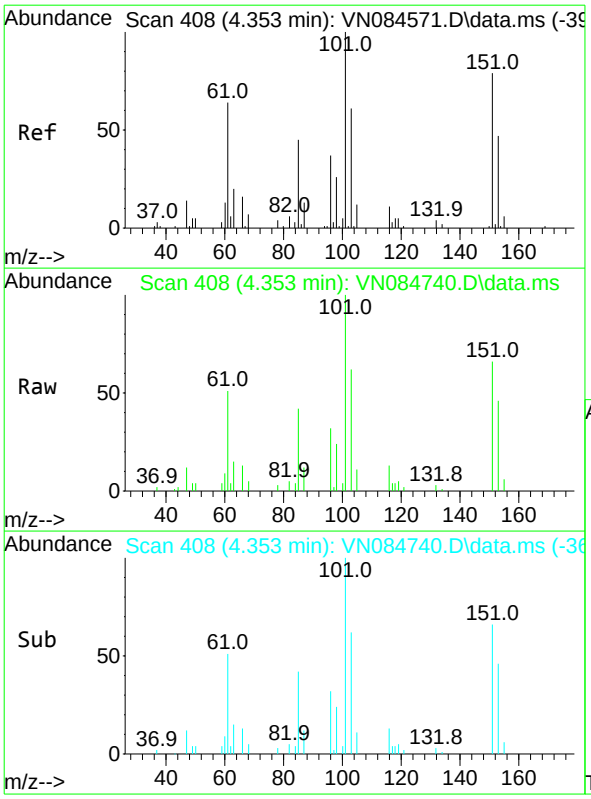


#8
Diethyl Ether
Concen: 17.518 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 74 Resp: 22022

Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.7	143.1

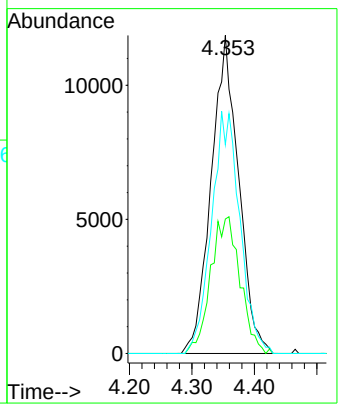




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.974 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:101 Resp: 36193

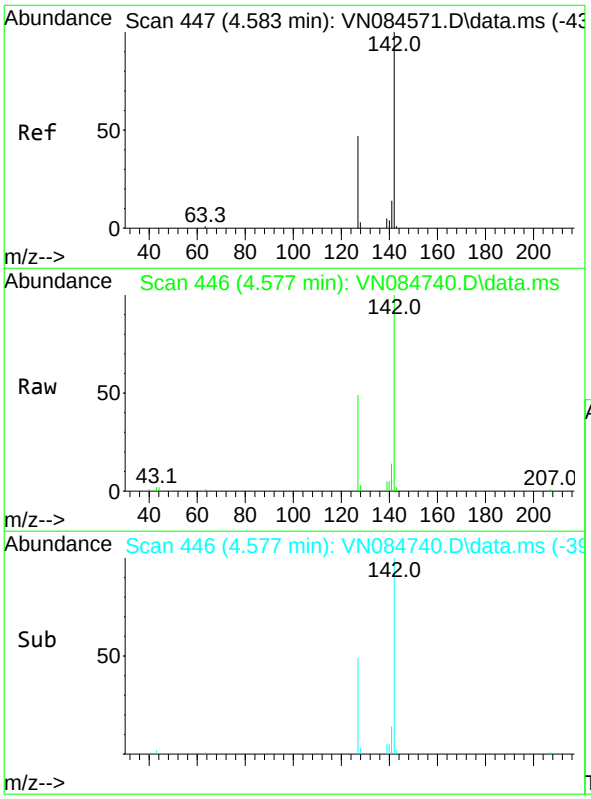
Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	78.6	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

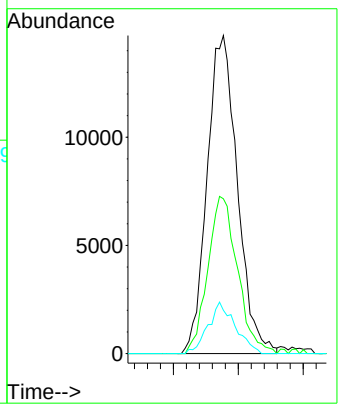
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

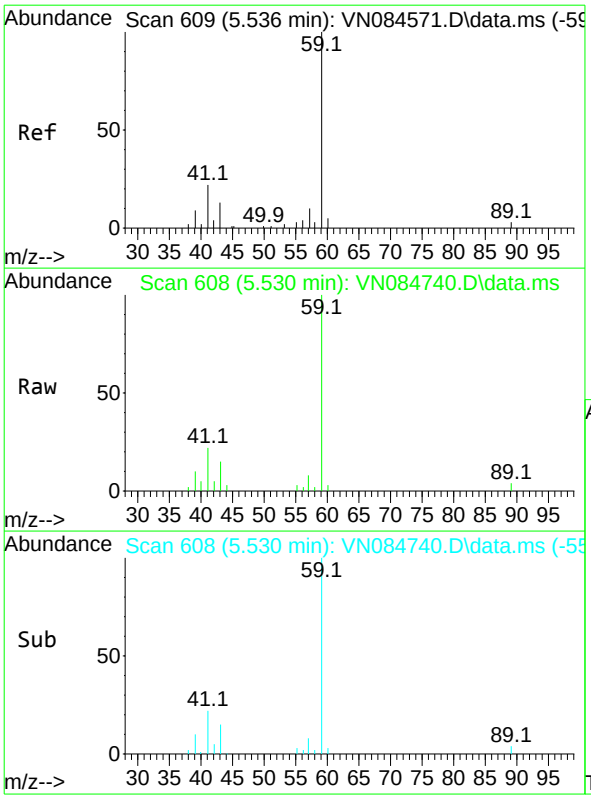


#10
Methyl Iodide
Concen: 17.687 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:142 Resp: 47599

Ion	Ratio	Lower	Upper
142	100		
127	48.7	35.3	52.9
141	13.6	11.0	16.6

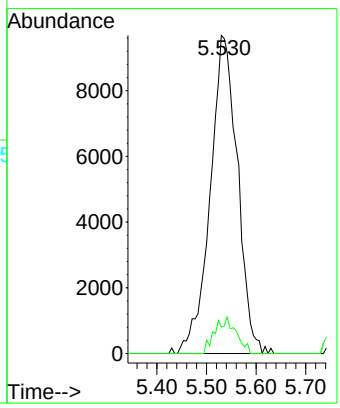




#11
Tert butyl alcohol
Concen: 110.909 ug/l
RT: 5.530 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 59 Resp: 36995

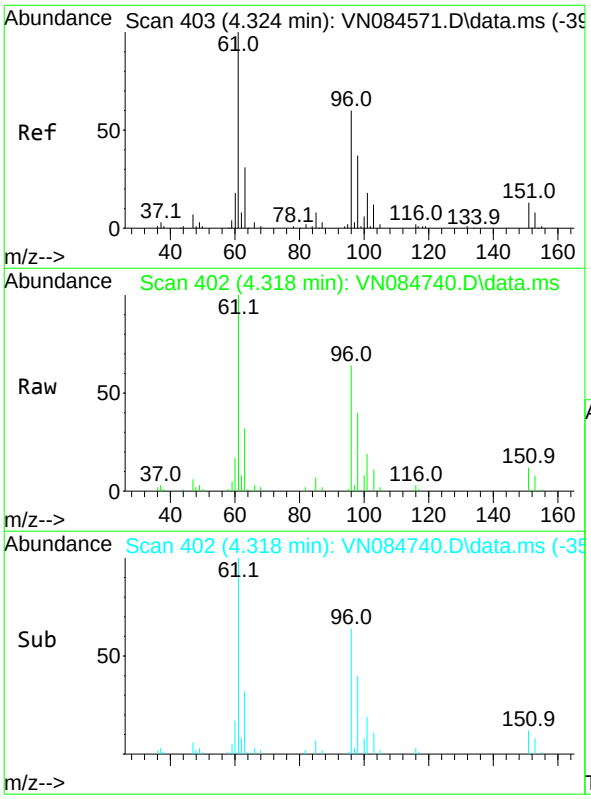
Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

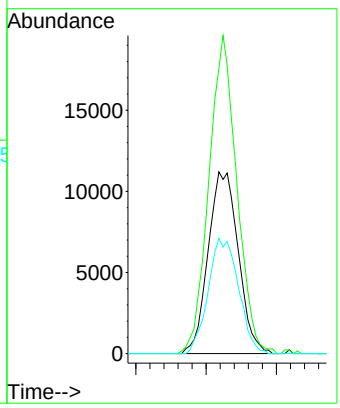
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

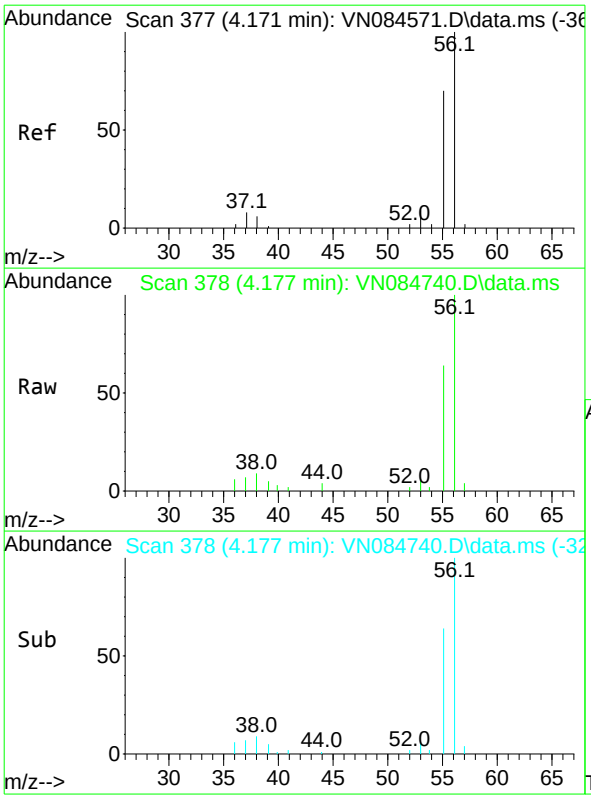


#12
1,1-Dichloroethene
Concen: 16.748 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 96 Resp: 33369

Ion	Ratio	Lower	Upper
96	100		
61	157.1	128.6	192.8
98	63.4	51.7	77.5

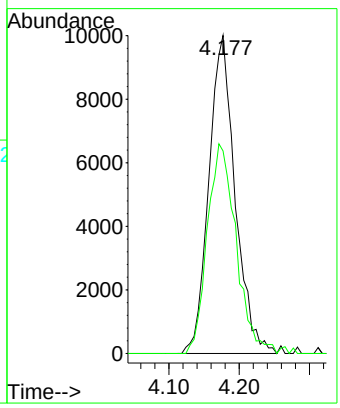




#13
Acrolein
Concen: 78.026 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 56 Resp: 25953

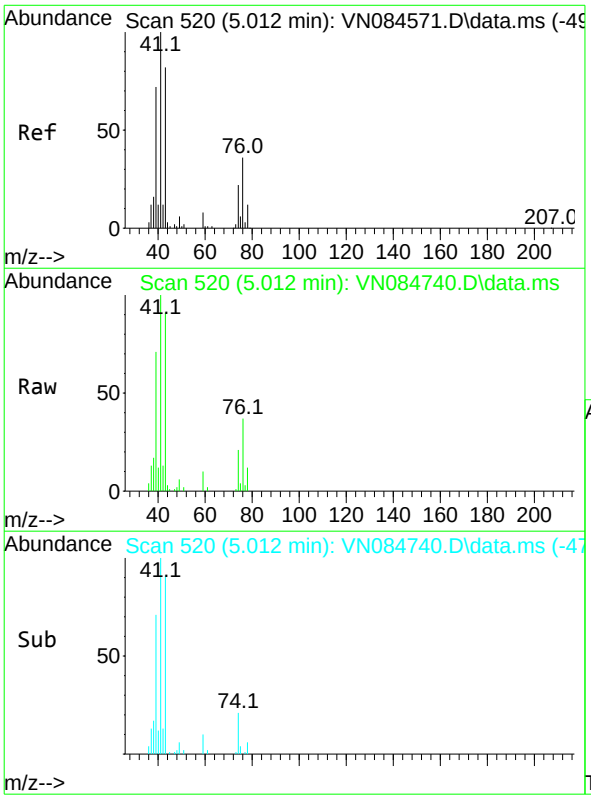
Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

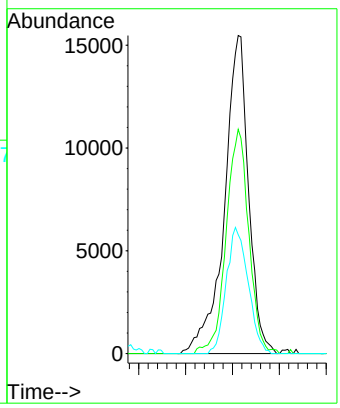
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

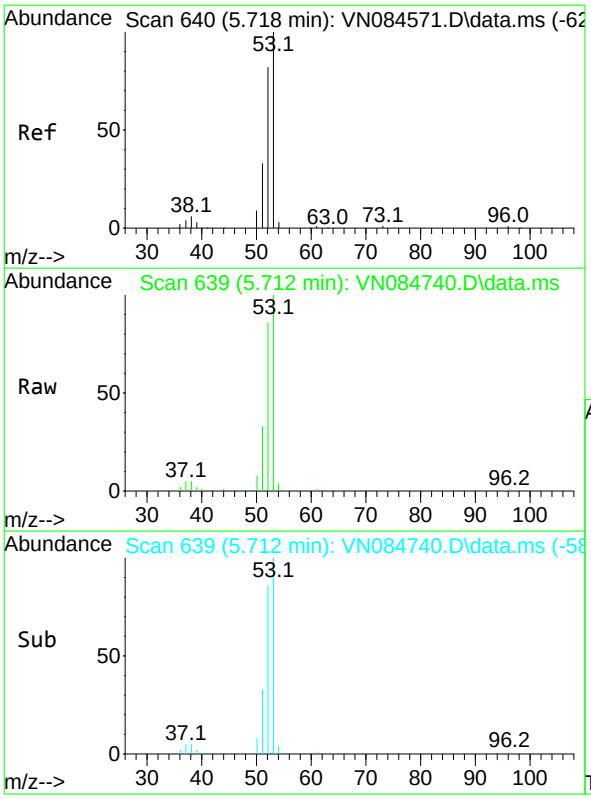


#14
Allyl chloride
Concen: 17.154 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 41 Resp: 55430

Ion	Ratio	Lower	Upper
41	100		
39	66.1	59.0	88.6
76	35.9	29.8	44.6

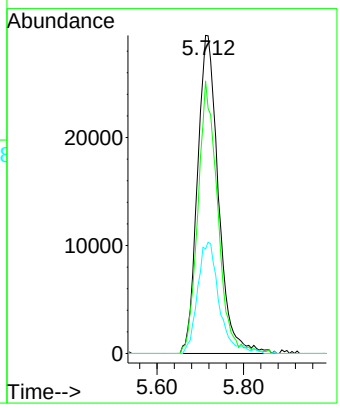




#15
Acrylonitrile
Concen: 102.632 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 53 Resp: 99106

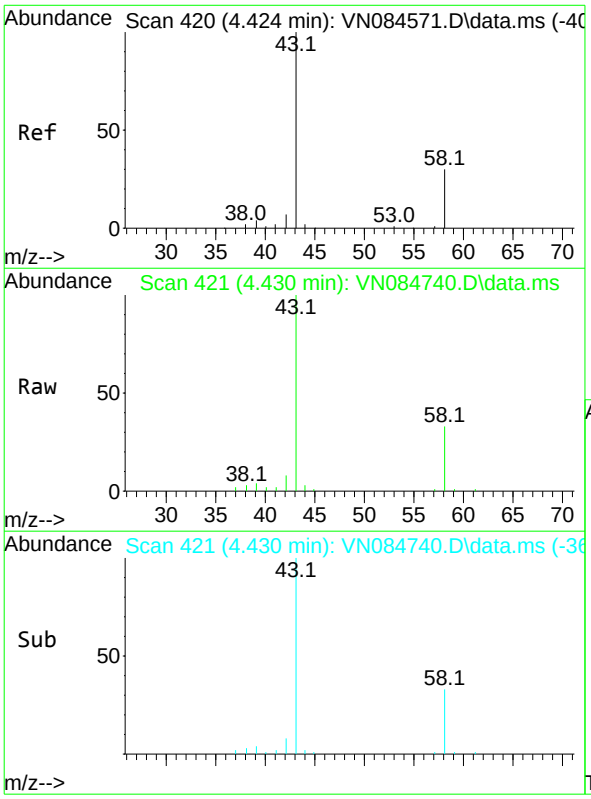
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	35.8	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

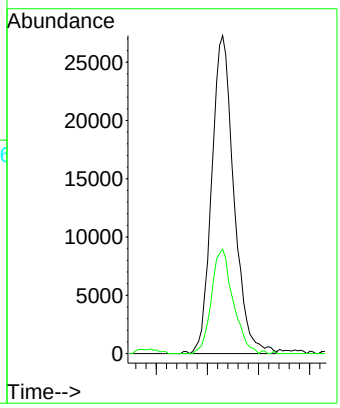
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

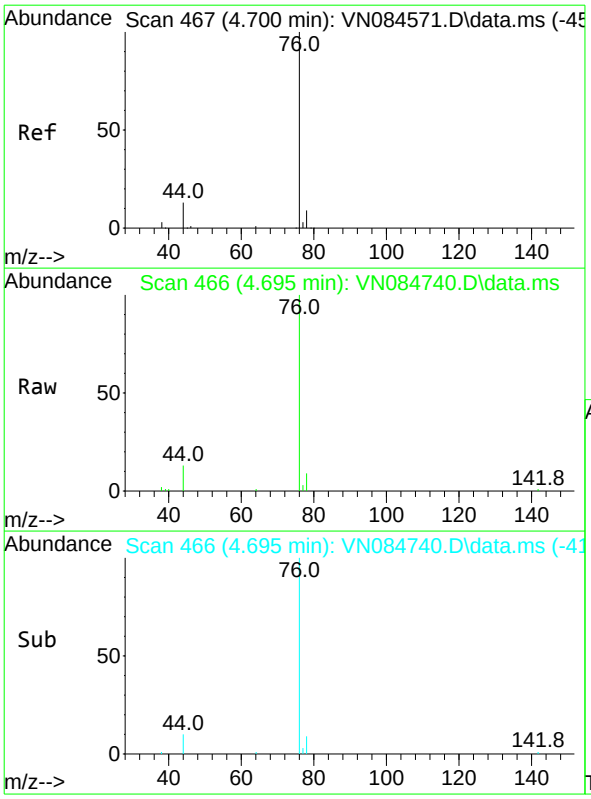


#16
Acetone
Concen: 111.205 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 82332

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6

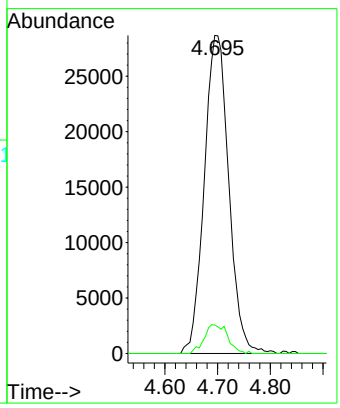




#17
Carbon Disulfide
Concen: 15.092 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 76 Resp: 92605

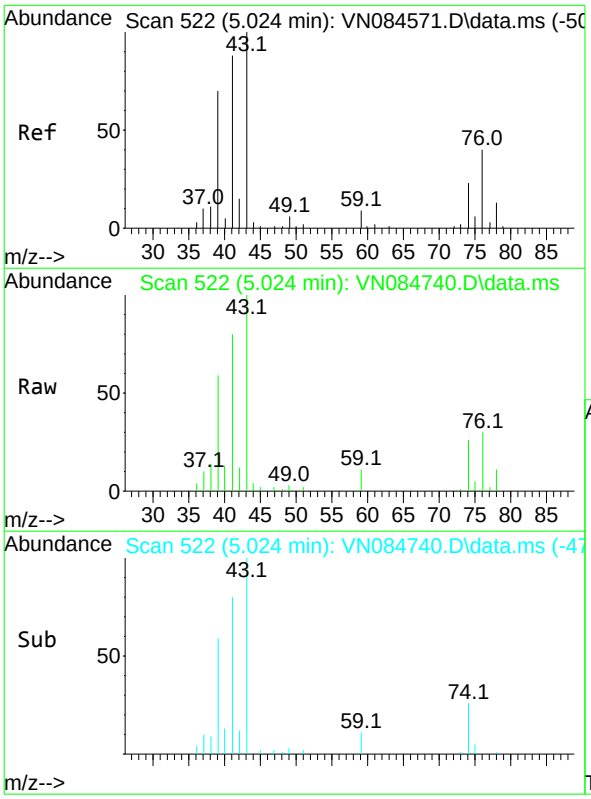
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

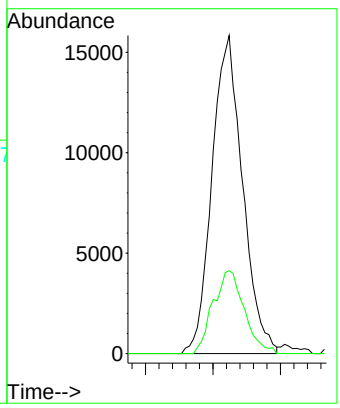
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

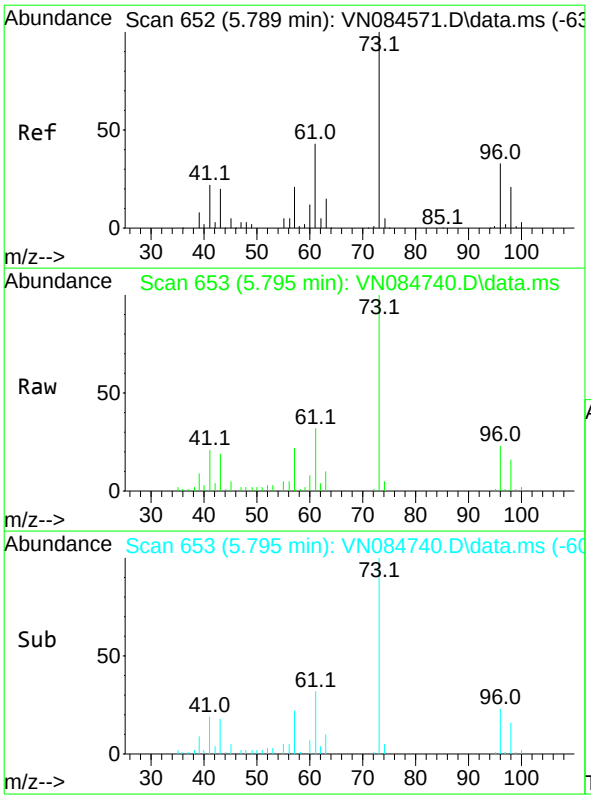


#18
Methyl Acetate
Concen: 16.007 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 49919

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.2	28.8

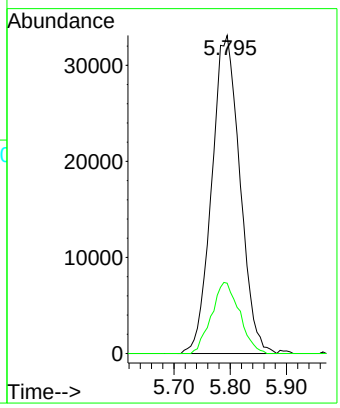




#19
Methyl tert-butyl Ether
Concen: 18.862 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 73 Resp: 115190

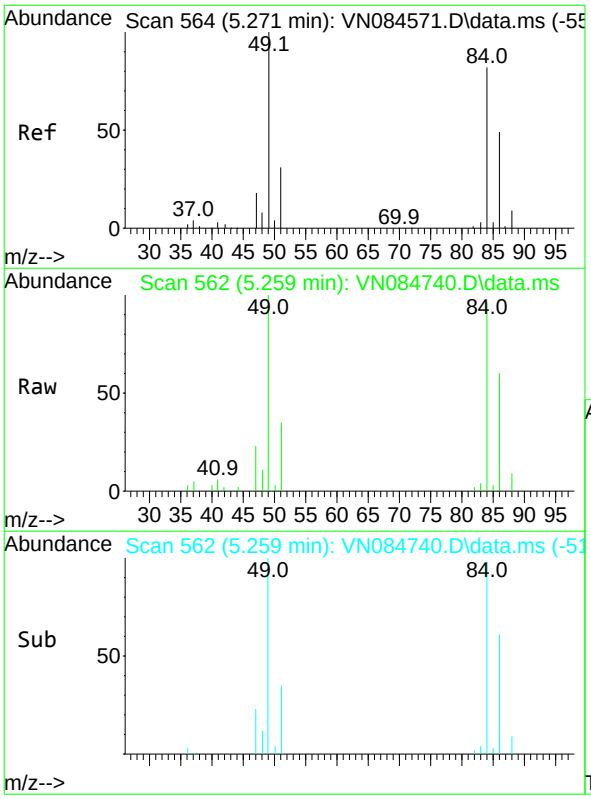
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

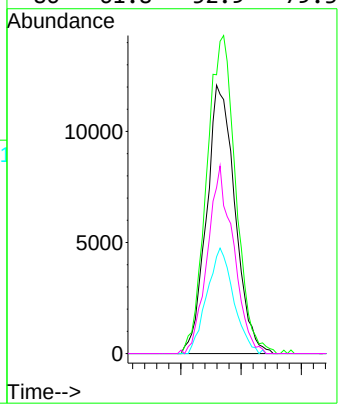
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

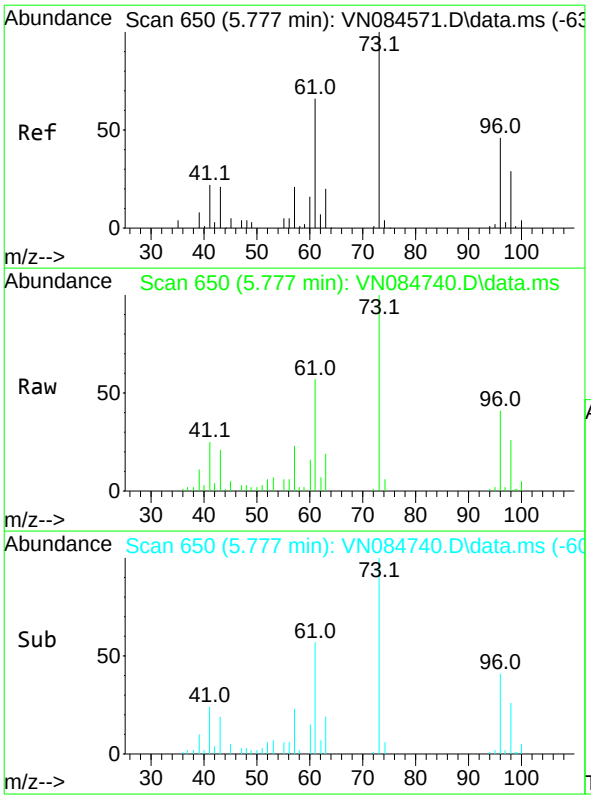


#20
Methylene Chloride
Concen: 17.777 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 84 Resp: 39511

Ion	Ratio	Lower	Upper
84	100		
49	103.9	107.2	160.8#
51	36.0	31.8	47.8
86	61.8	52.9	79.3

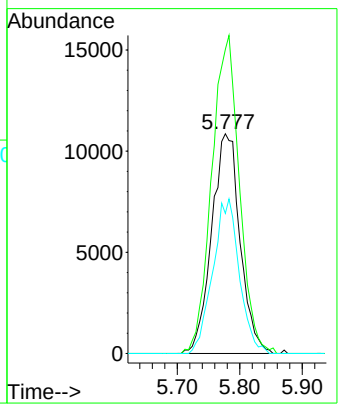




#21
trans-1,2-Dichloroethene
Concen: 16.754 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 96 Resp: 34277

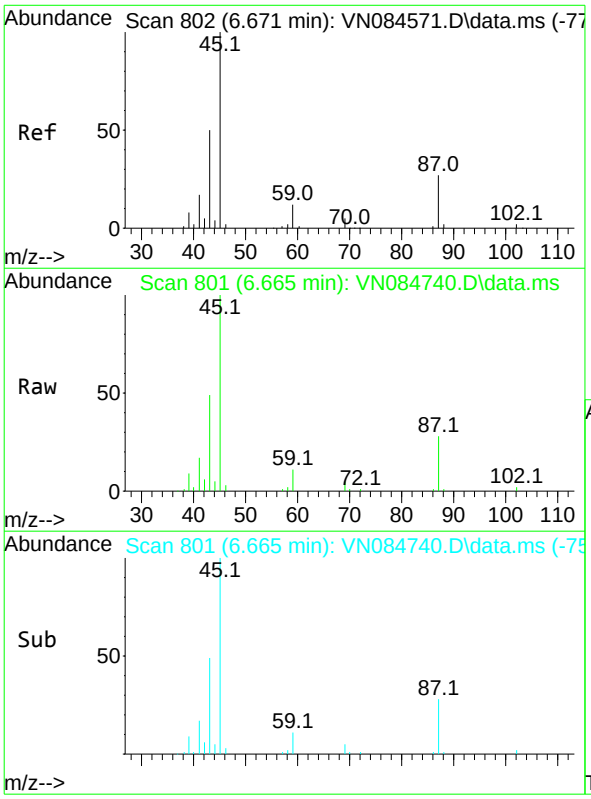
Ion	Ratio	Lower	Upper
96	100		
61	138.4	108.4	162.6
98	63.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

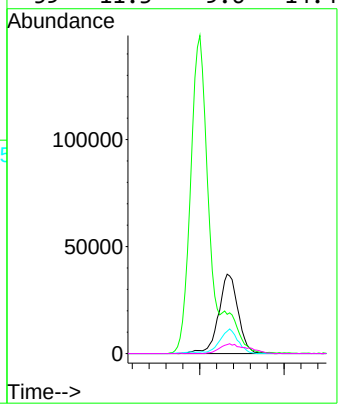
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

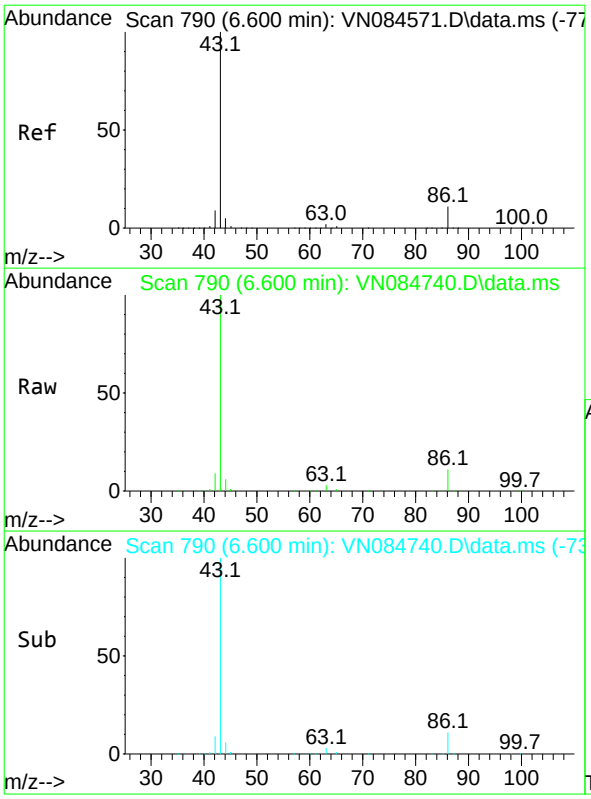


#22
Diisopropyl ether
Concen: 18.466 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 45 Resp: 118560

Ion	Ratio	Lower	Upper
45	100		
43	48.8	42.3	63.5
87	28.1	21.8	32.6
59	11.3	9.6	14.4

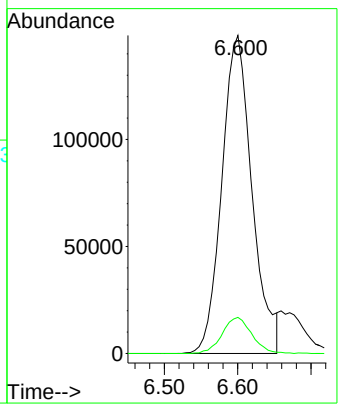




#23
Vinyl Acetate
Concen: 96.129 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 425627

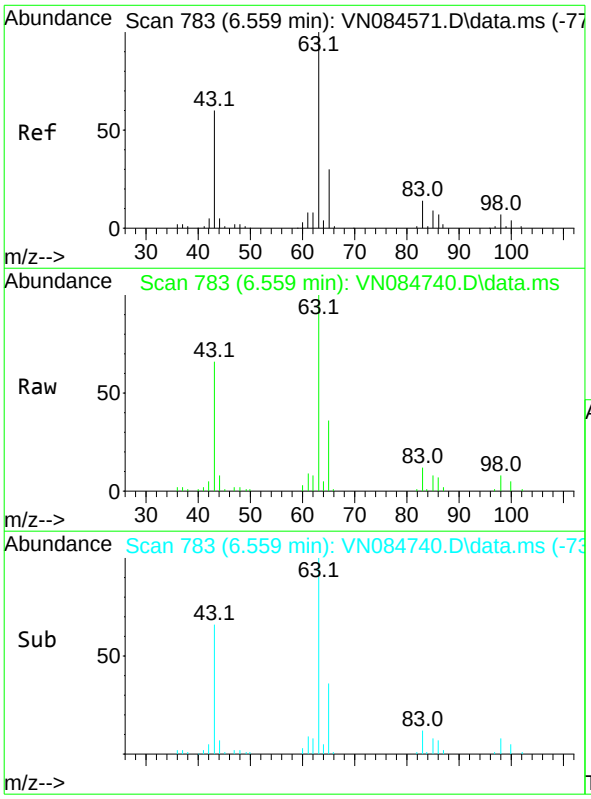
Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

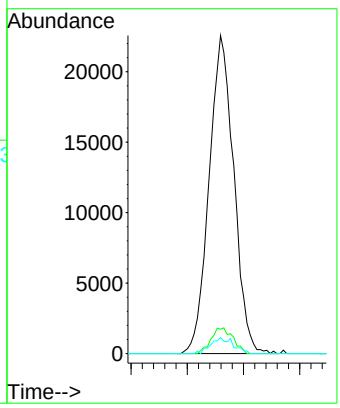
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

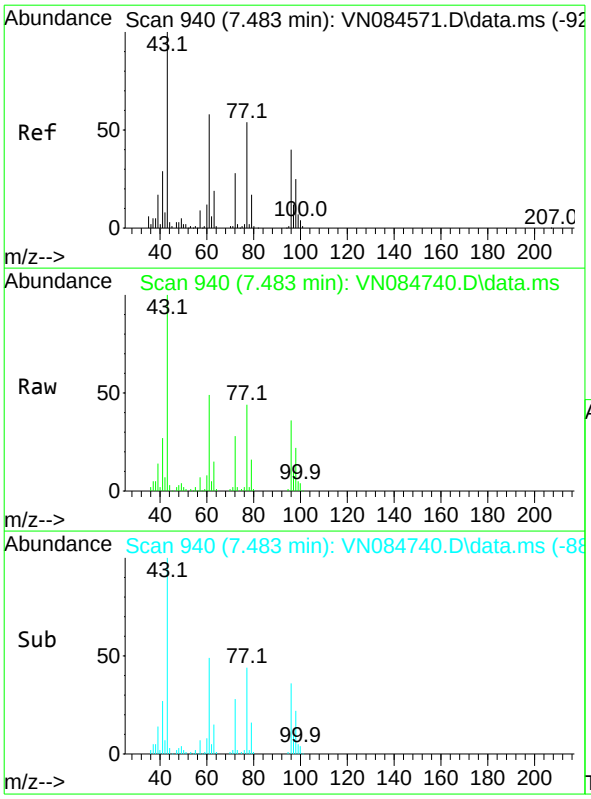


#24
1,1-Dichloroethane
Concen: 17.884 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 63 Resp: 68939

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.2
100	5.0	2.0	5.8

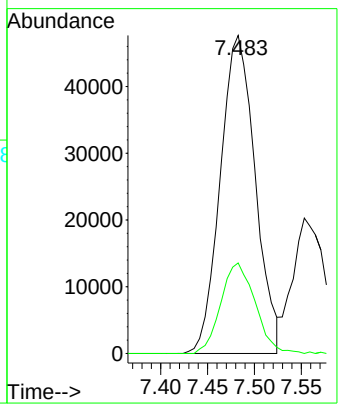




#25
2-Butanone
Concen: 104.944 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 123723

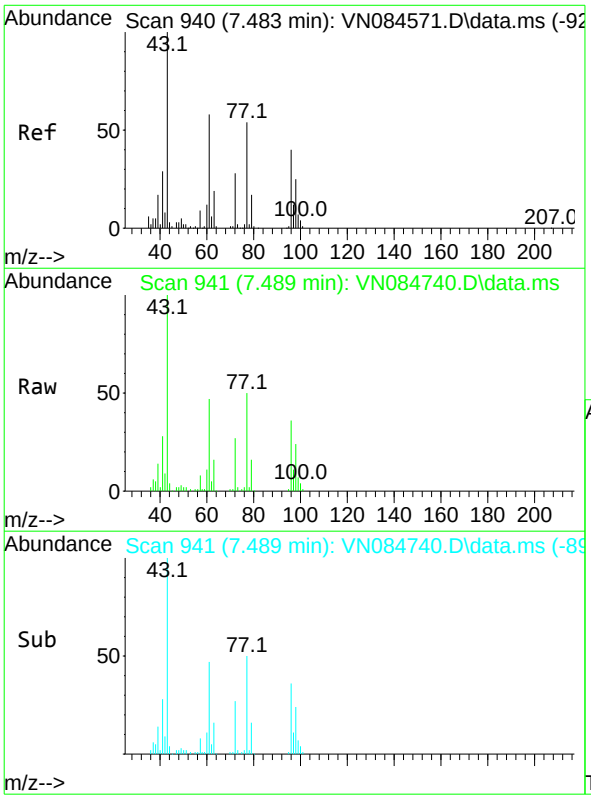
Ion	Ratio	Lower	Upper
43	100		
72	28.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

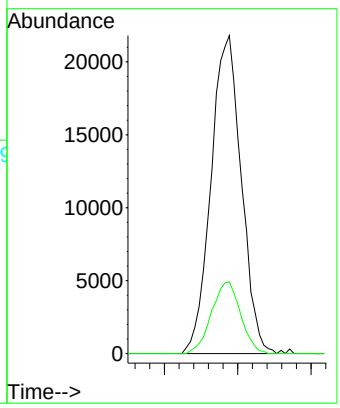
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

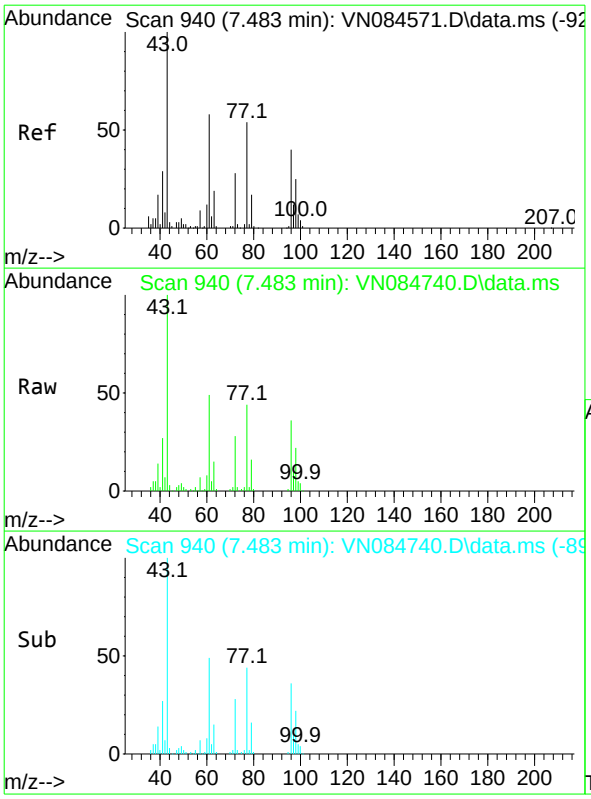


#26
2,2-Dichloropropane
Concen: 18.636 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 77 Resp: 62524

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

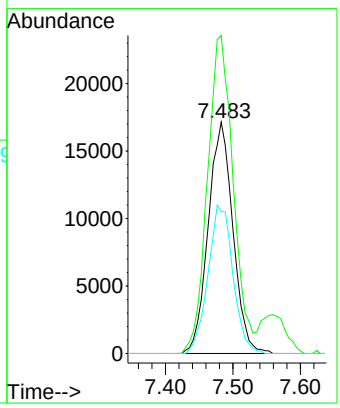




#27
cis-1,2-Dichloroethene
Concen: 18.260 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 96 Resp: 43621

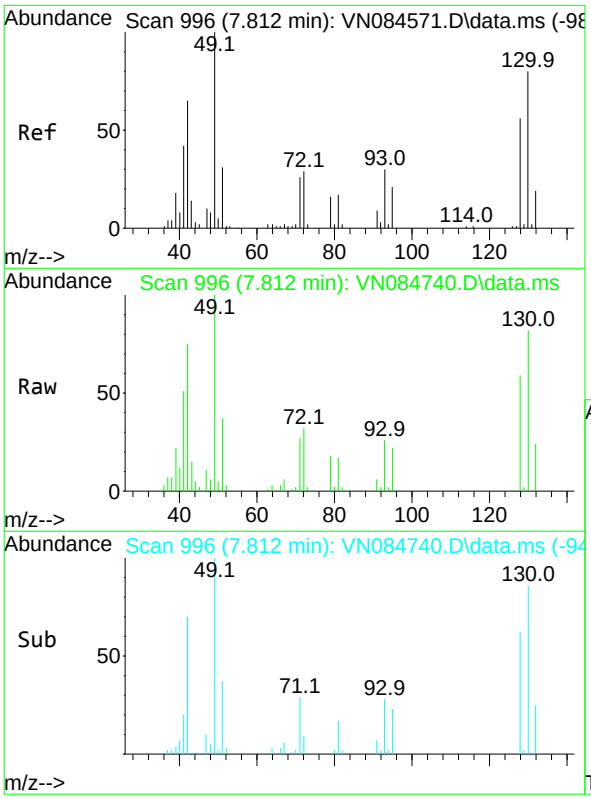
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	301.8
98	64.7	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

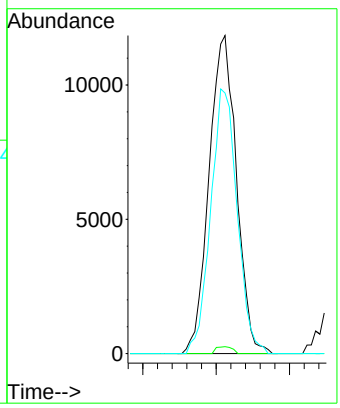
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

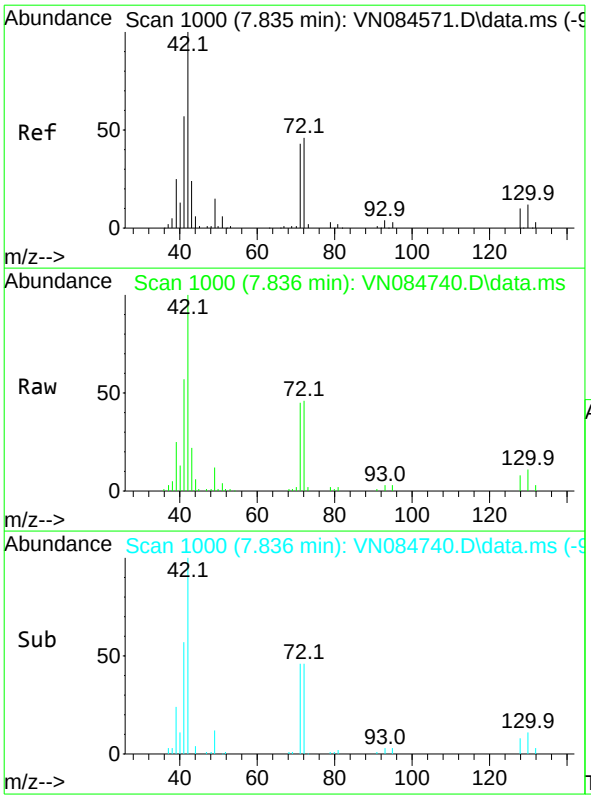


#28
Bromochloromethane
Concen: 20.044 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 49 Resp: 30783

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	80.2	58.0	87.0

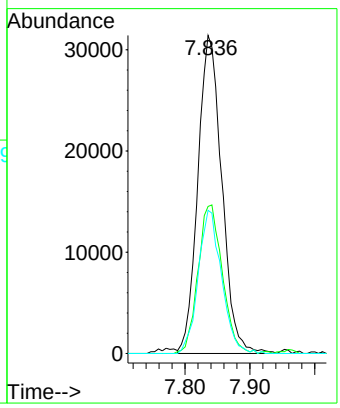




#29
Tetrahydrofuran
Concen: 103.022 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 42 Resp: 80577

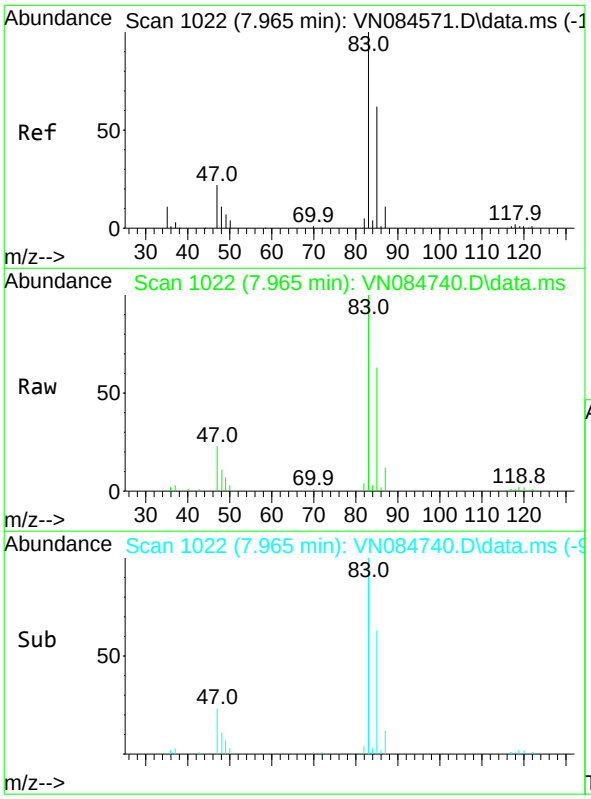
Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	43.9	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

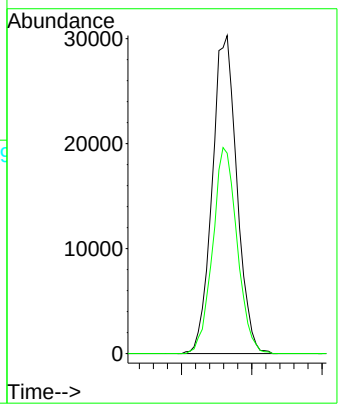
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

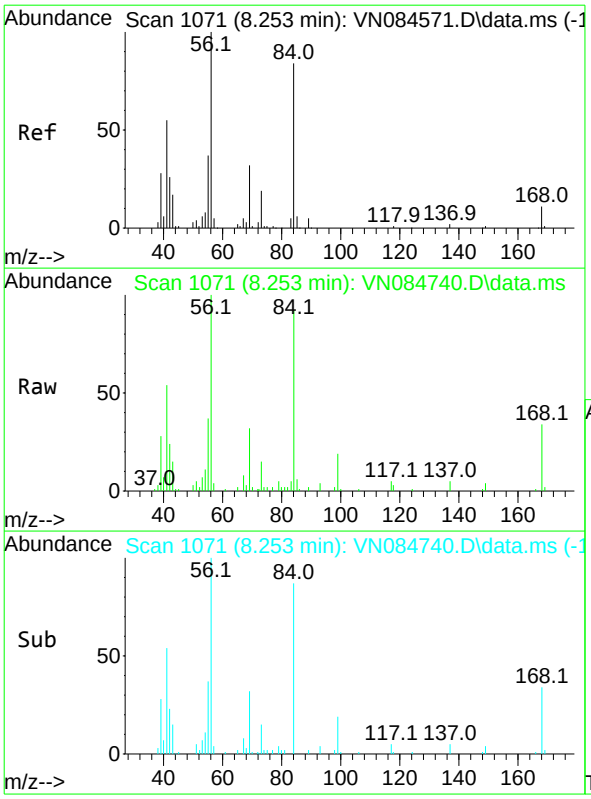


#30
Chloroform
Concen: 18.827 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 83 Resp: 73867

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.4

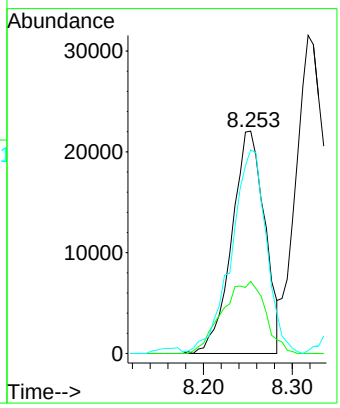




#31
Cyclohexane
Concen: 16.355 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 56 Resp: 57060

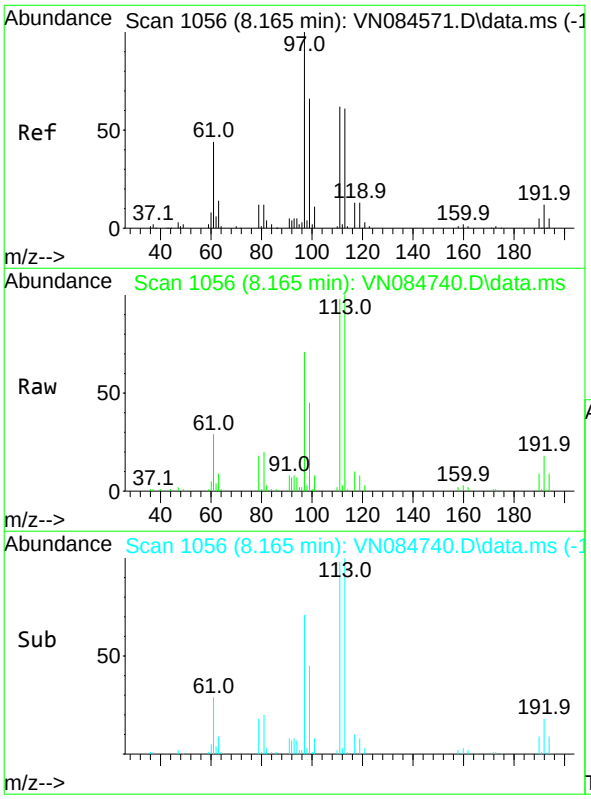
Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.8	35.6
84	88.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

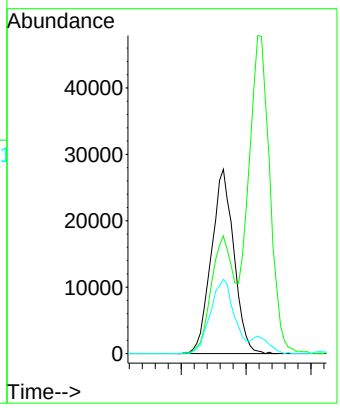
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

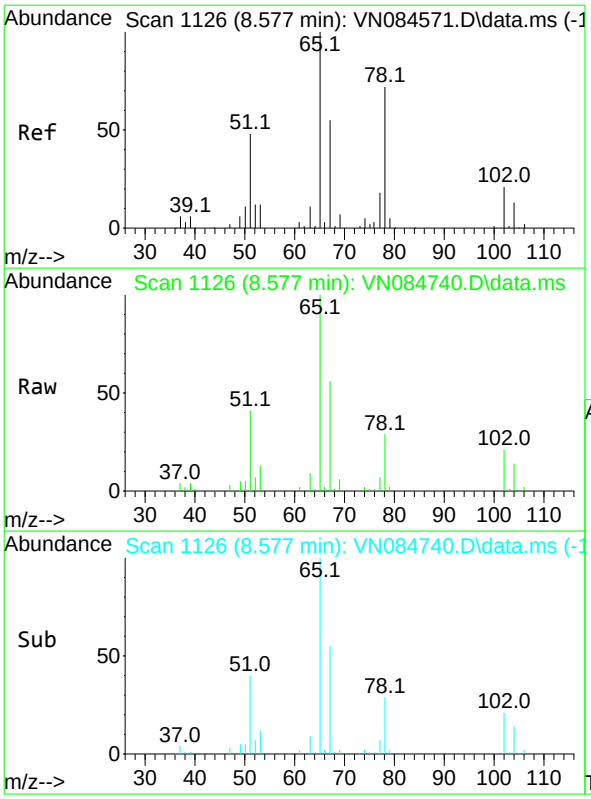


#32
1,1,1-Trichloroethane
Concen: 18.749 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 97 Resp: 66952

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	42.3	37.5	56.3

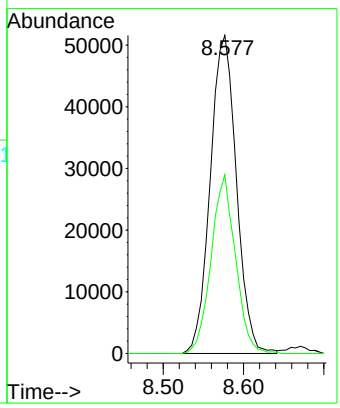




#33
1,2-Dichloroethane-d4
Concen: 46.174 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 65 Resp: 116684

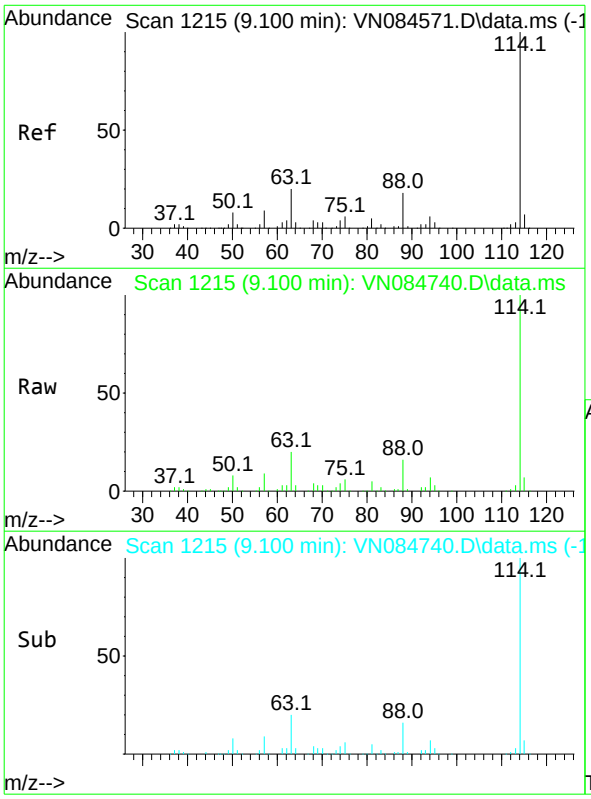
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

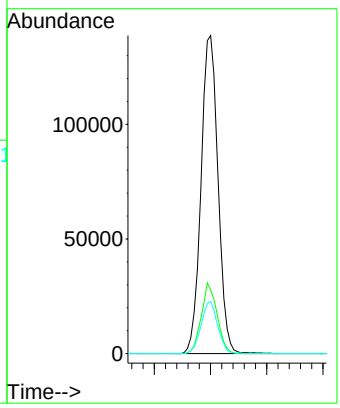
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

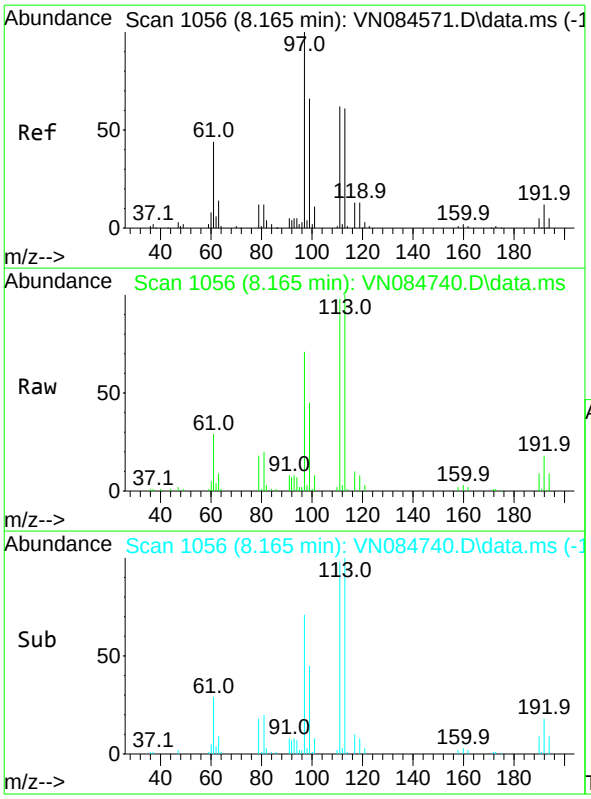


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:114 Resp: 291201

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	16.4	0.0	31.6

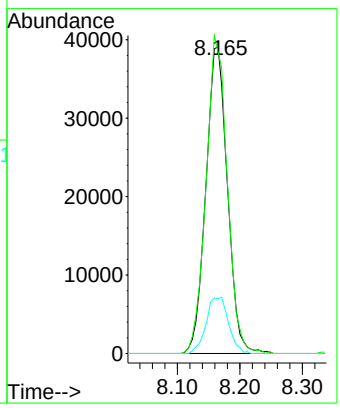




#35
Dibromofluoromethane
Concen: 47.615 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:113 Resp: 93853

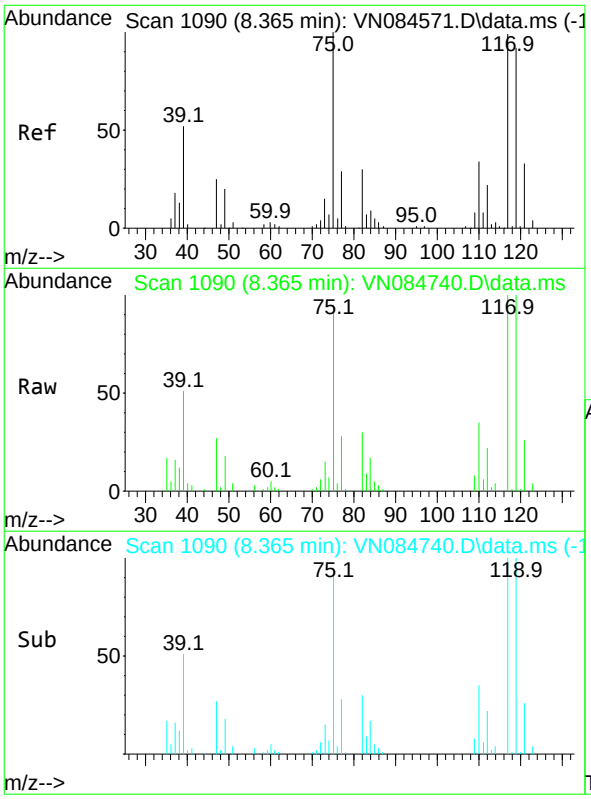
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	19.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

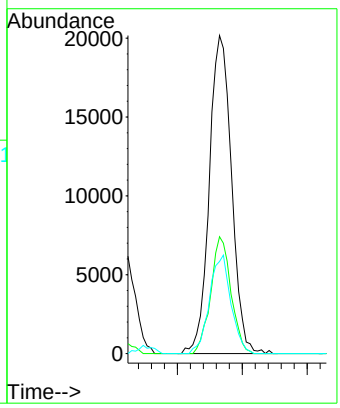
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

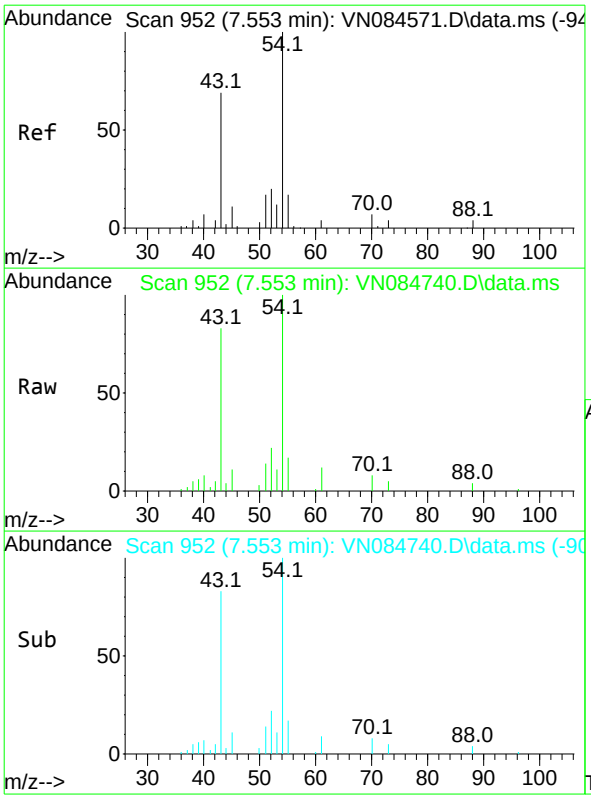


#36
1,1-Dichloropropene
Concen: 17.555 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 47988

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	29.9	24.7	37.1

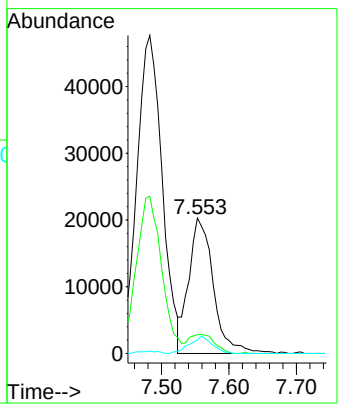




#37
Ethyl Acetate
Concen: 20.810 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 51613

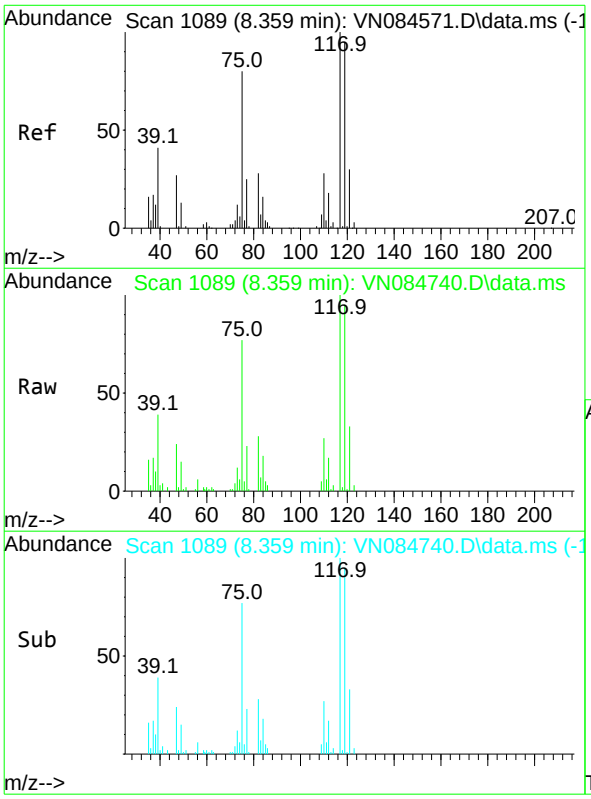
Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.7	16.1
70	11.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

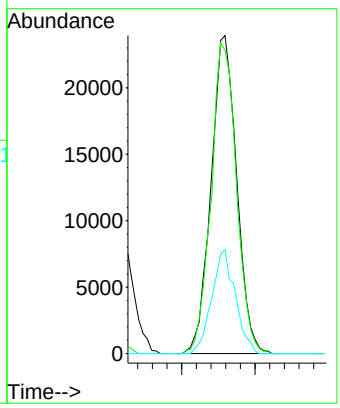
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

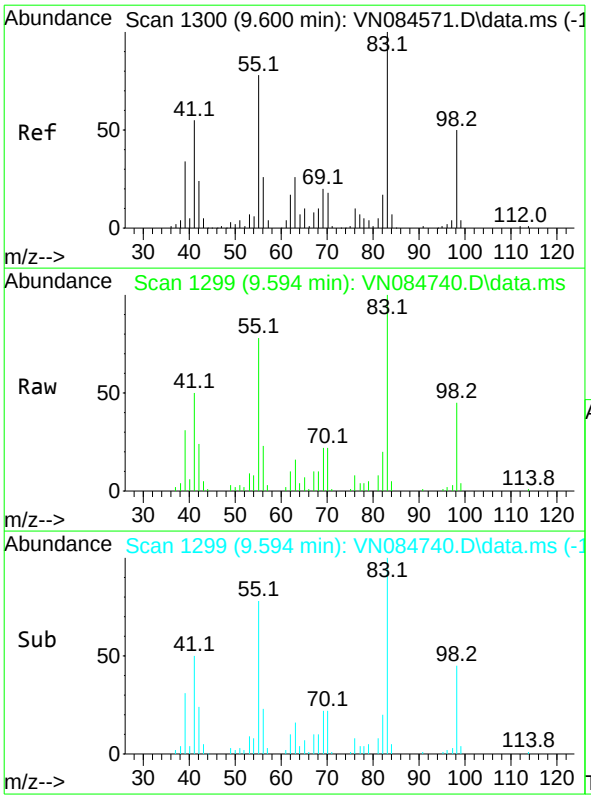


#38
Carbon Tetrachloride
Concen: 18.973 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:117 Resp: 57972

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	32.7	24.4	36.6

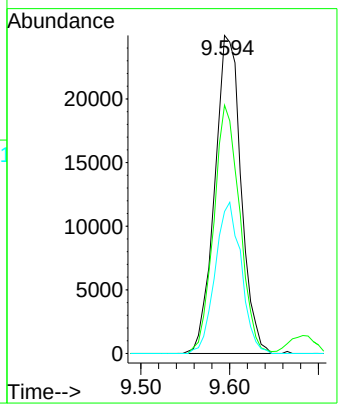




#39
Methylcyclohexane
Concen: 18.523 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 83 Resp: 51512

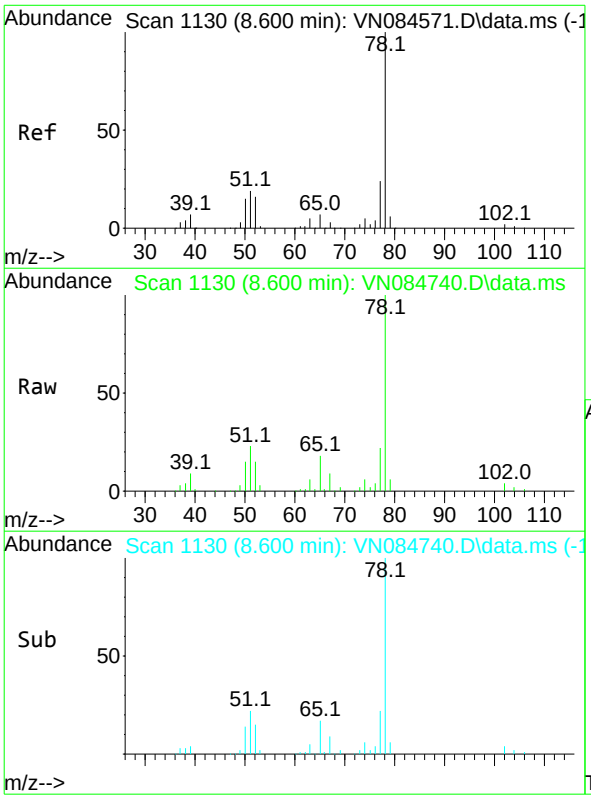
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	44.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

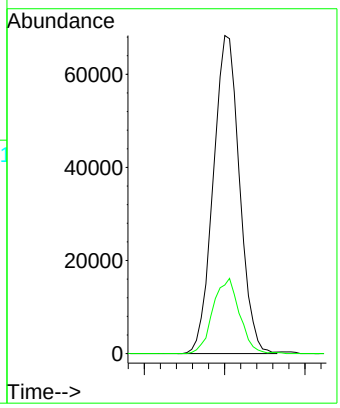
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

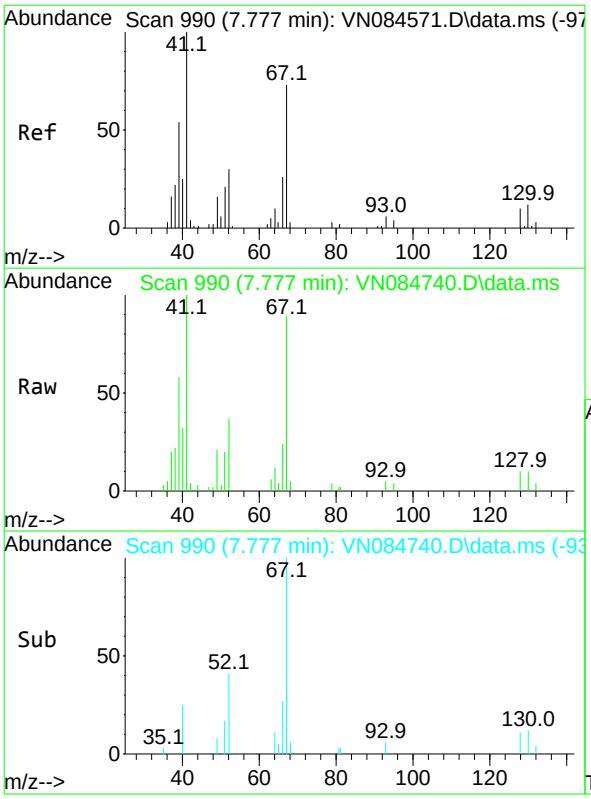


#40
Benzene
Concen: 17.679 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 78 Resp: 155201

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.1	28.7

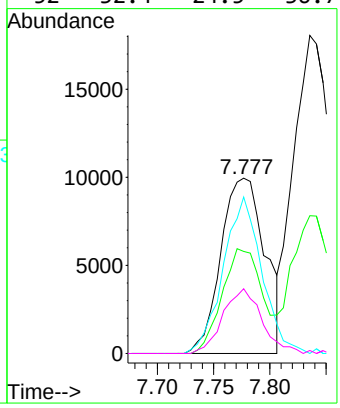




#41
Methacrylonitrile
Concen: 20.418 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 41 Resp: 27233

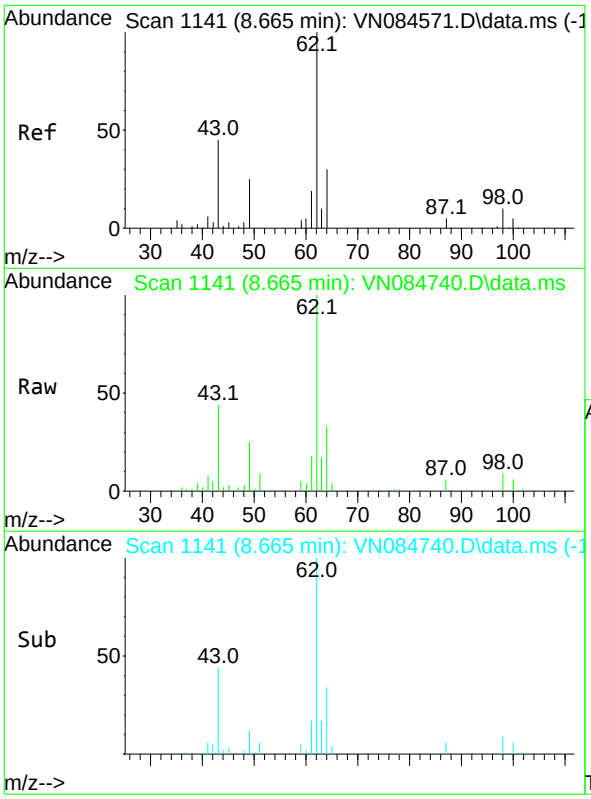
Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	77.8	56.1	84.1
52	32.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

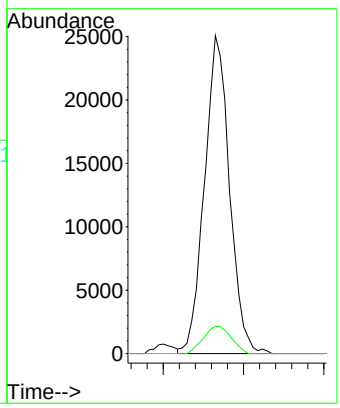
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

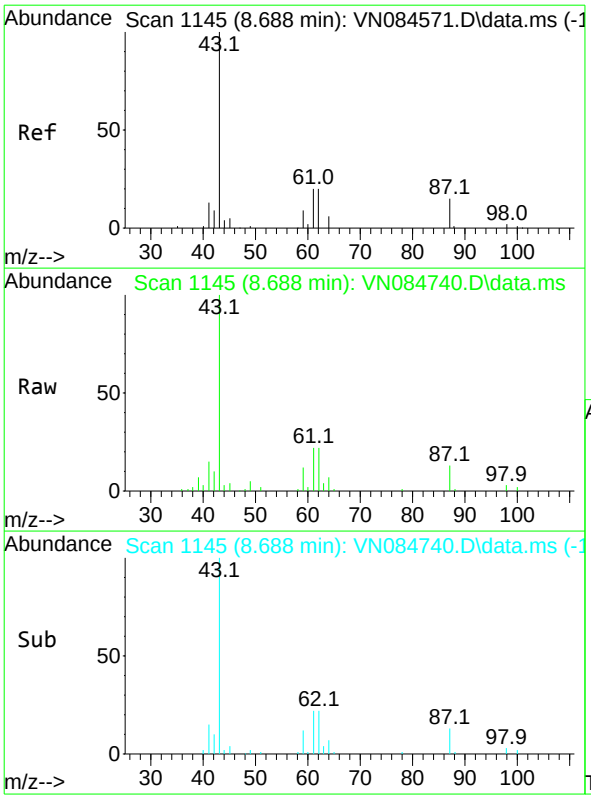


#42
1,2-Dichloroethane
Concen: 19.095 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 62 Resp: 54291

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

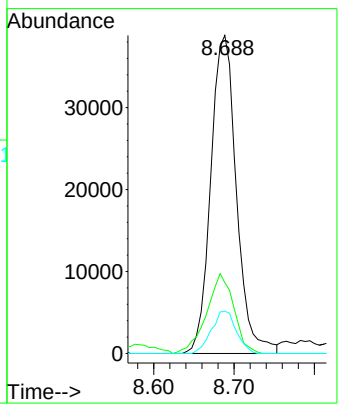




#43
Isopropyl Acetate
Concen: 18.241 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 86390

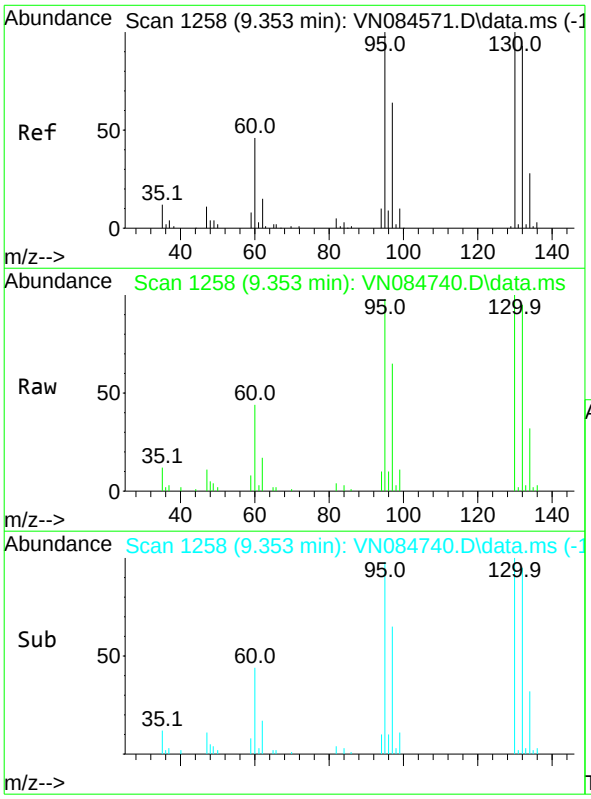
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.4	30.6
87	12.9	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

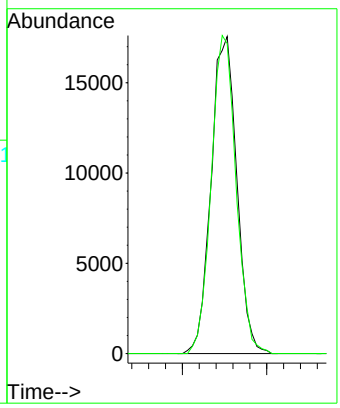
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

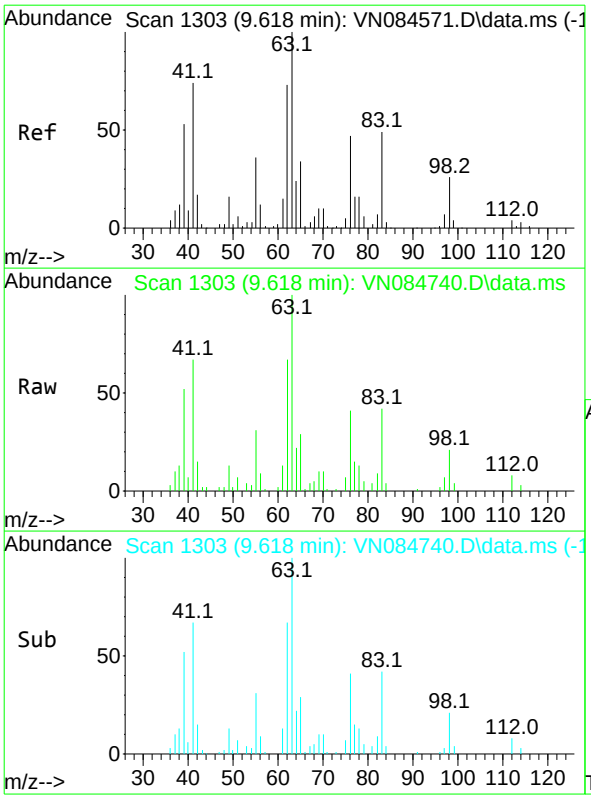


#44
Trichloroethene
Concen: 18.321 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:130 Resp: 37093

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	203.0

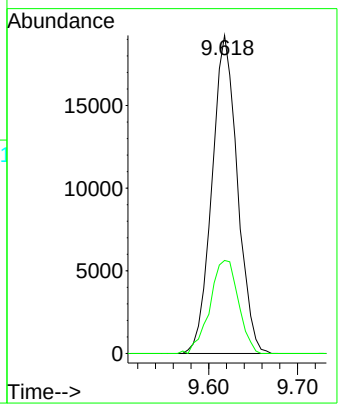




#45
1,2-Dichloropropane
Concen: 18.610 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 63 Resp: 38326

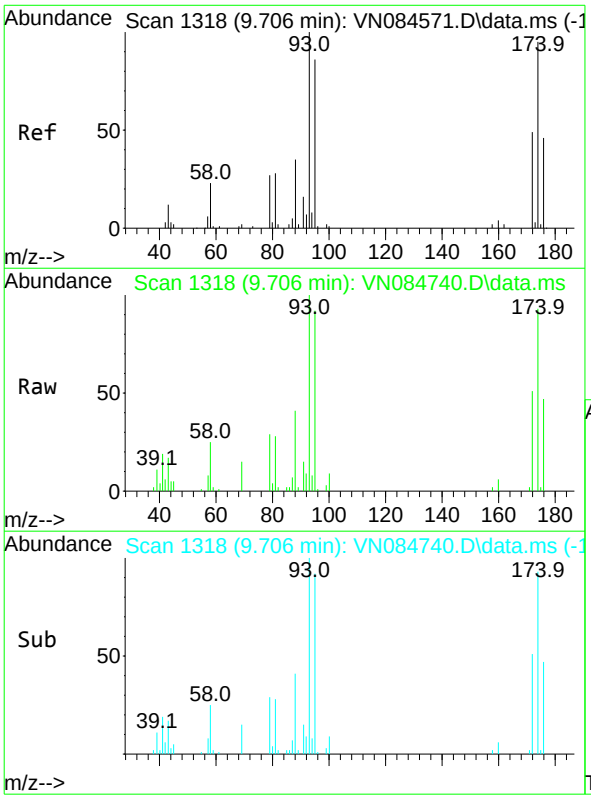
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

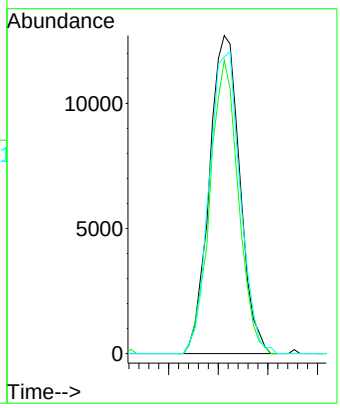
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

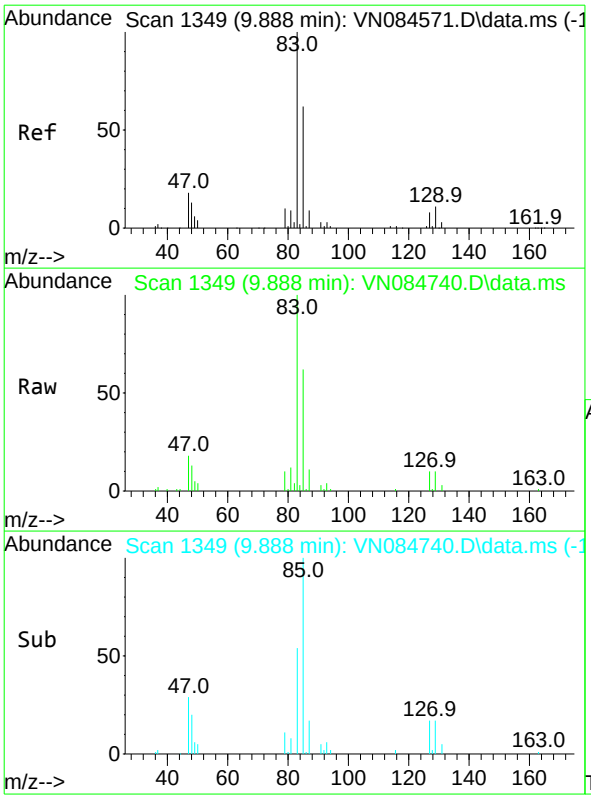


#46
Dibromomethane
Concen: 18.679 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 93 Resp: 27144

Ion	Ratio	Lower	Upper
93	100		
95	86.0	65.0	97.4
174	96.2	71.8	107.8

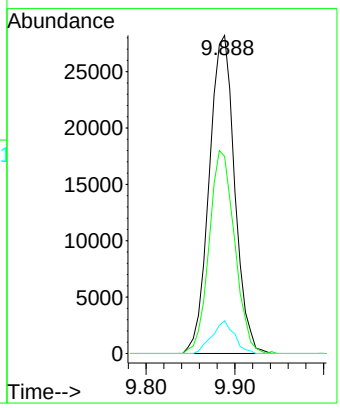




#47
Bromodichloromethane
Concen: 18.343 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 83 Resp: 56189

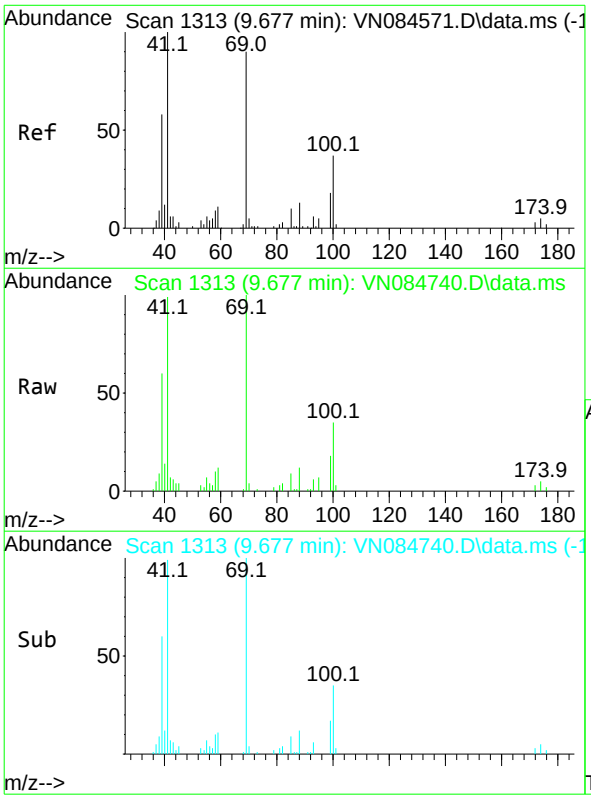
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3
127	10.3	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

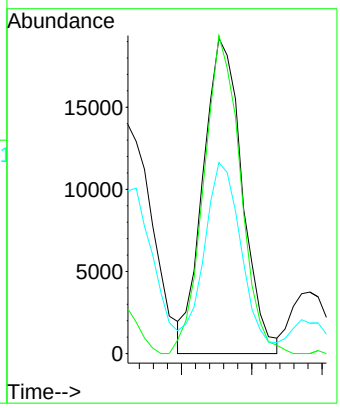
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

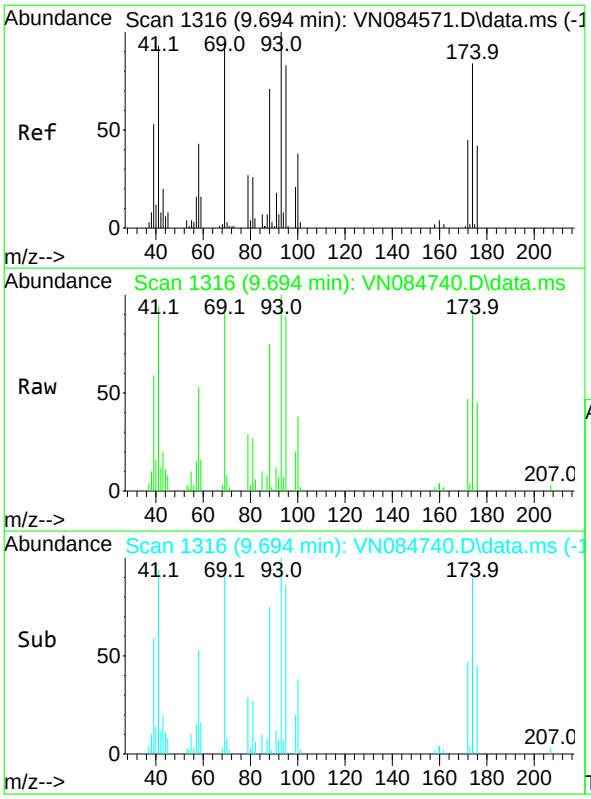


#48
Methyl methacrylate
Concen: 19.239 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 41 Resp: 37137

Ion	Ratio	Lower	Upper
41	100		
69	94.4	67.1	100.7
39	58.7	45.8	68.6

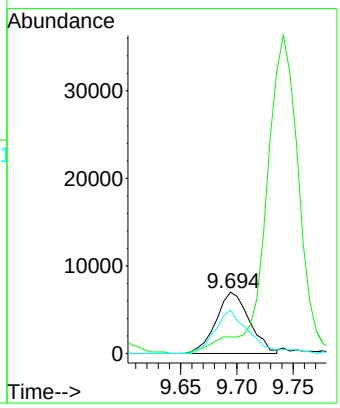




#49
1,4-Dioxane
Concen: 424.079 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 88 Resp: 14506

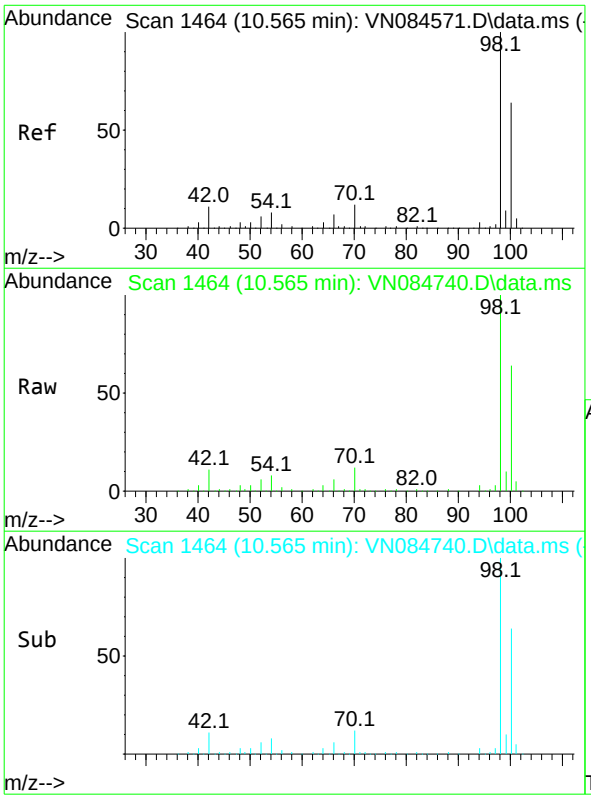
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

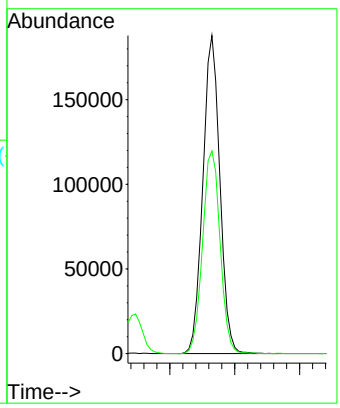
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

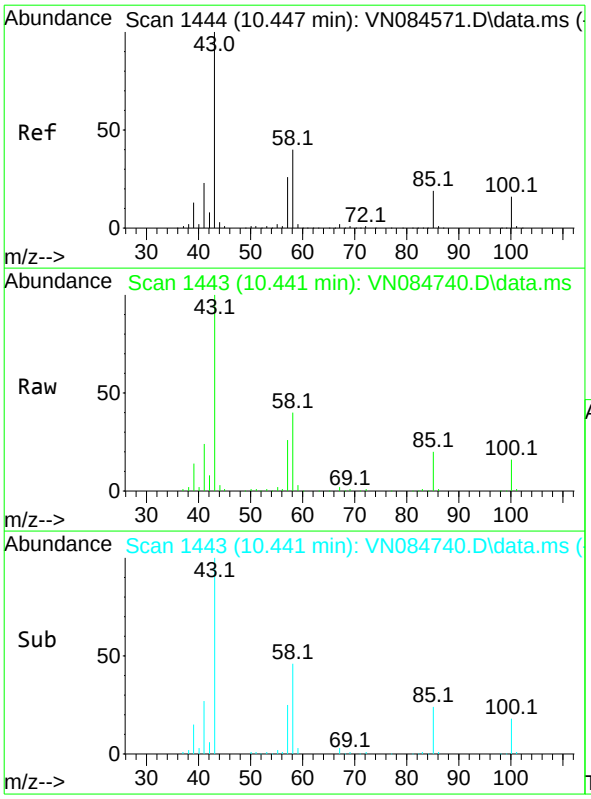


#50
Toluene-d8
Concen: 47.072 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 98 Resp: 341782

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1

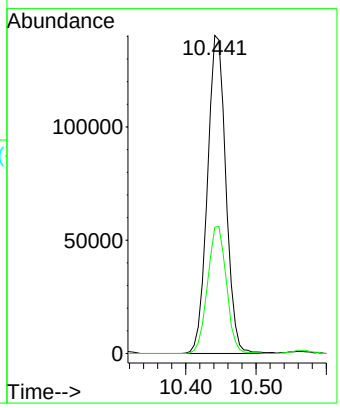




#51
4-Methyl-2-Pentanone
Concen: 108.170 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 255755

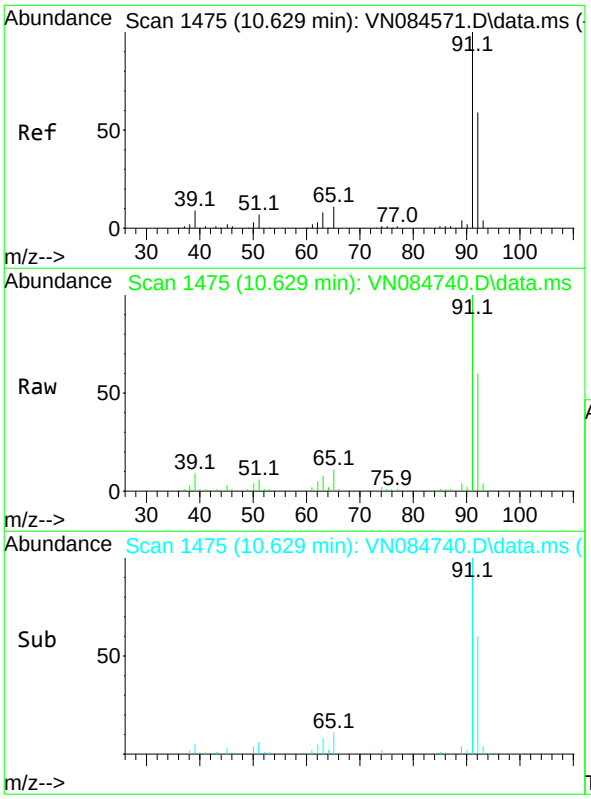
Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

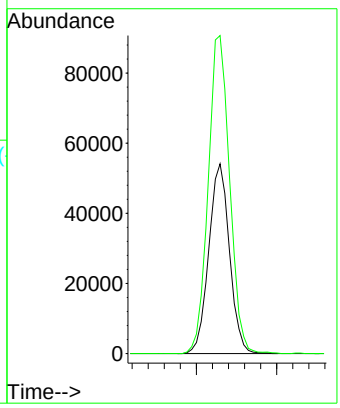
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

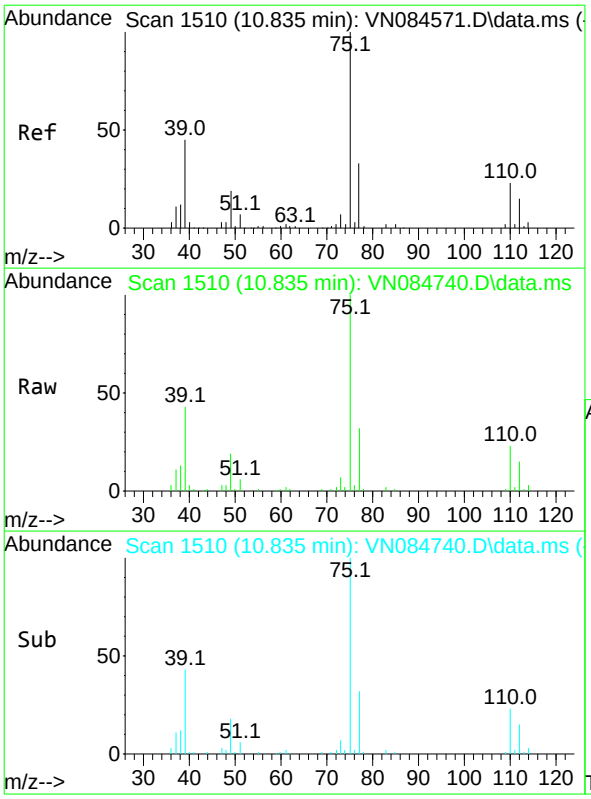


#52
Toluene
Concen: 18.857 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 92 Resp: 96819

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.3	205.9

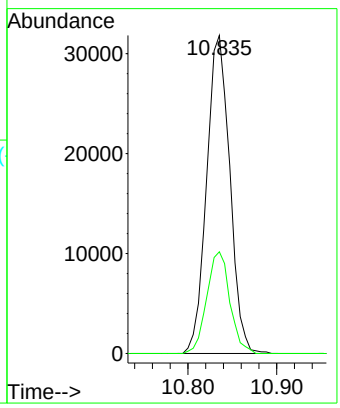




#53
t-1,3-Dichloropropene
Concen: 18.200 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 57707

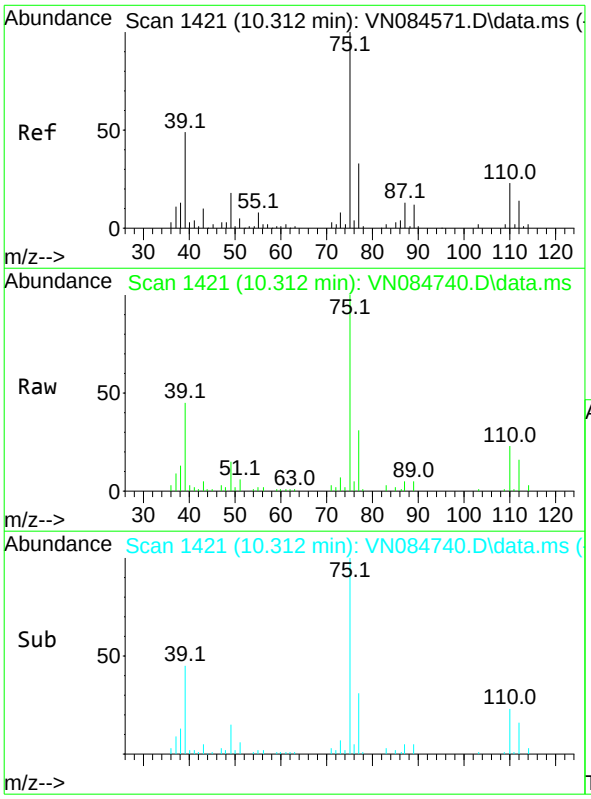
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

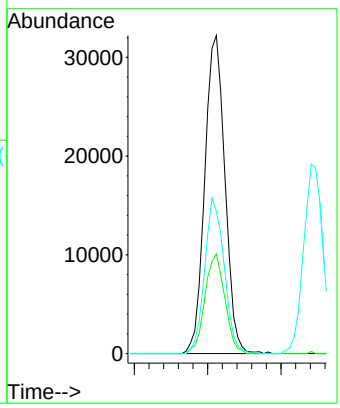
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

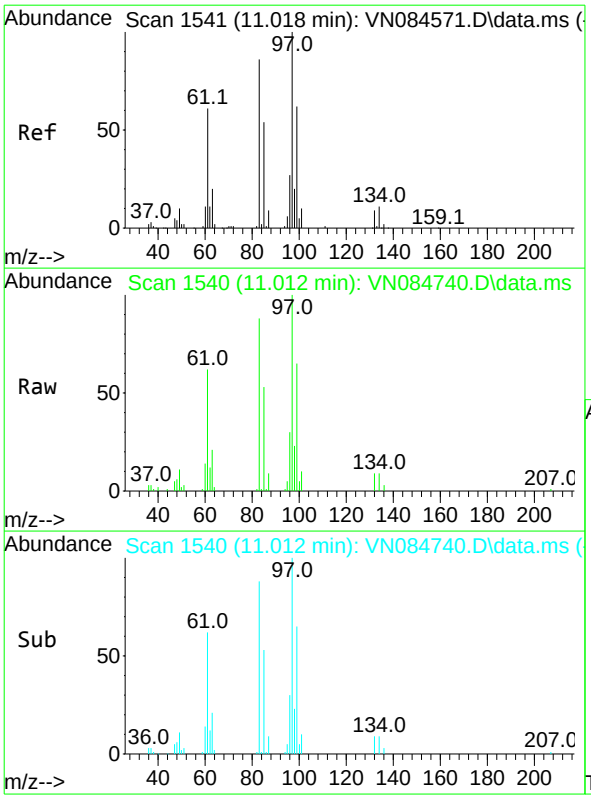


#54
cis-1,3-Dichloropropene
Concen: 18.325 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 61498

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.2	36.2
39	44.7	38.7	58.1

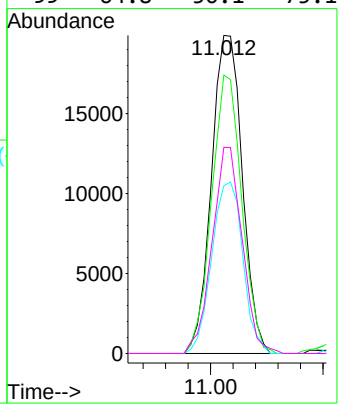




#55
1,1,2-Trichloroethane
Concen: 19.585 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 97 Resp: 37879

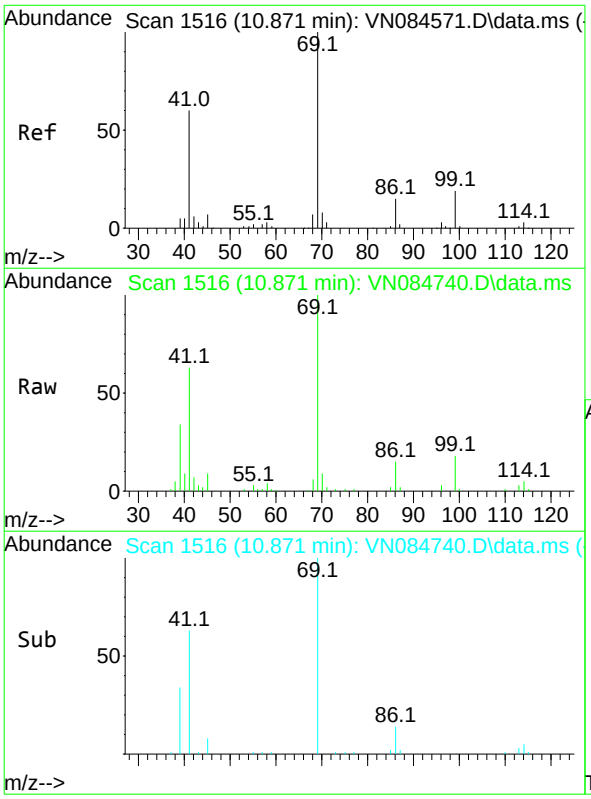
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.0	106.4
85	52.7	41.7	62.5
99	64.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

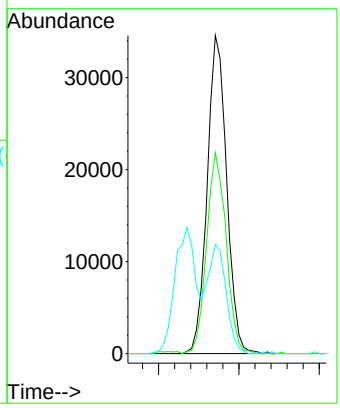
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

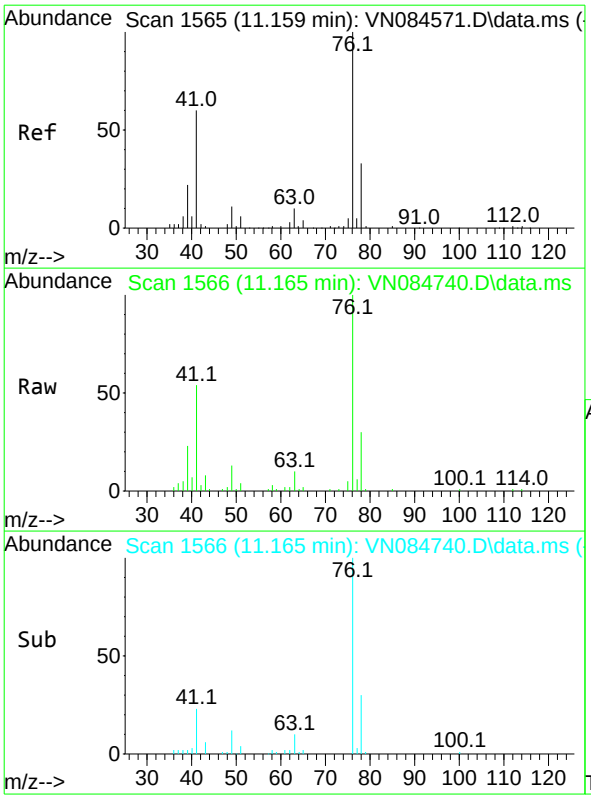


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 69 Resp: 58163

Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.3	79.9
39	33.0	28.8	43.2

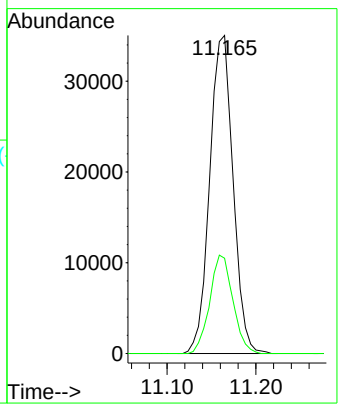




#57
1,3-Dichloropropane
Concen: 19.294 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 76 Resp: 64044

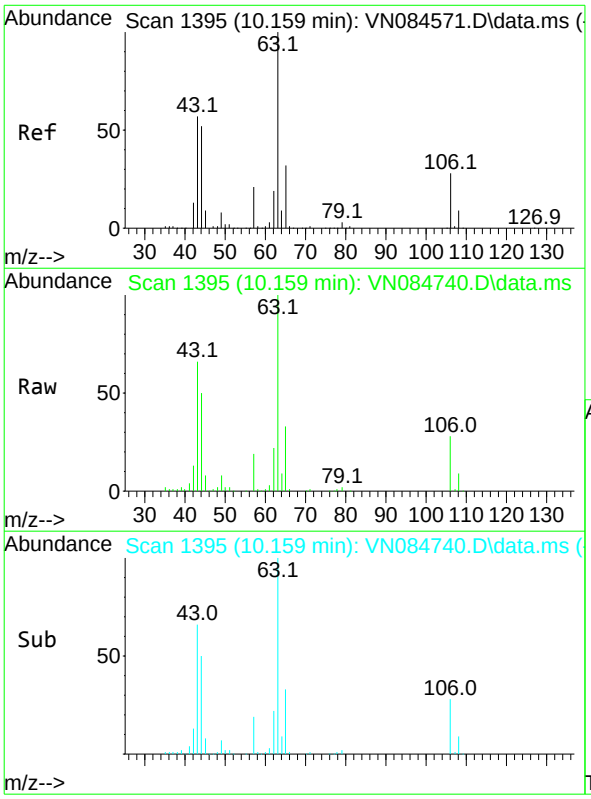
Ion	Ratio	Lower	Upper
76	100		
78	30.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

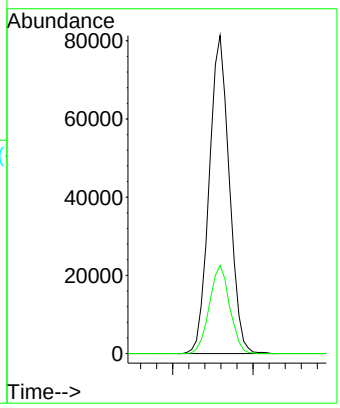
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

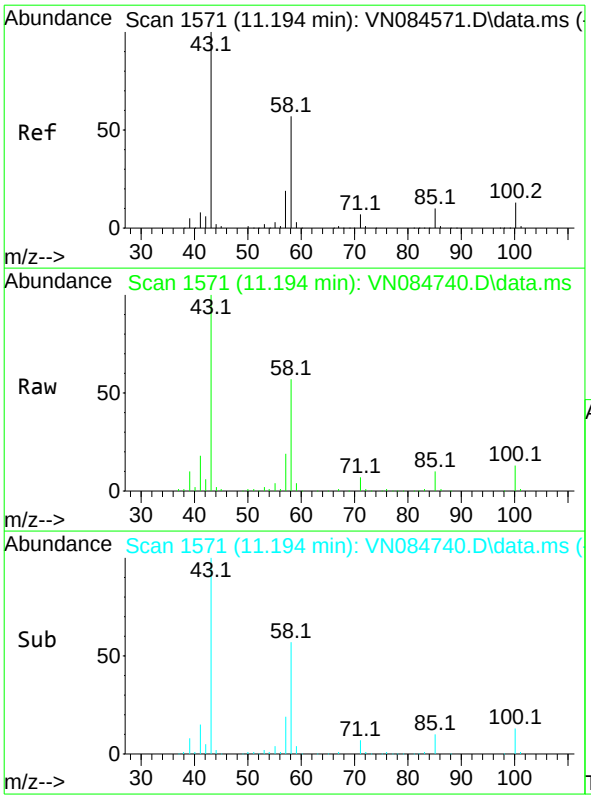


#58
2-Chloroethyl Vinyl ether
Concen: 107.944 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 63 Resp: 141306

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6

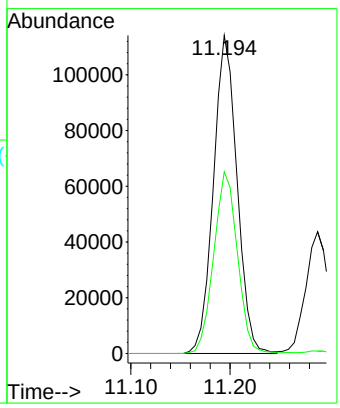




#59
2-Hexanone
Concen: 109.482 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 188419

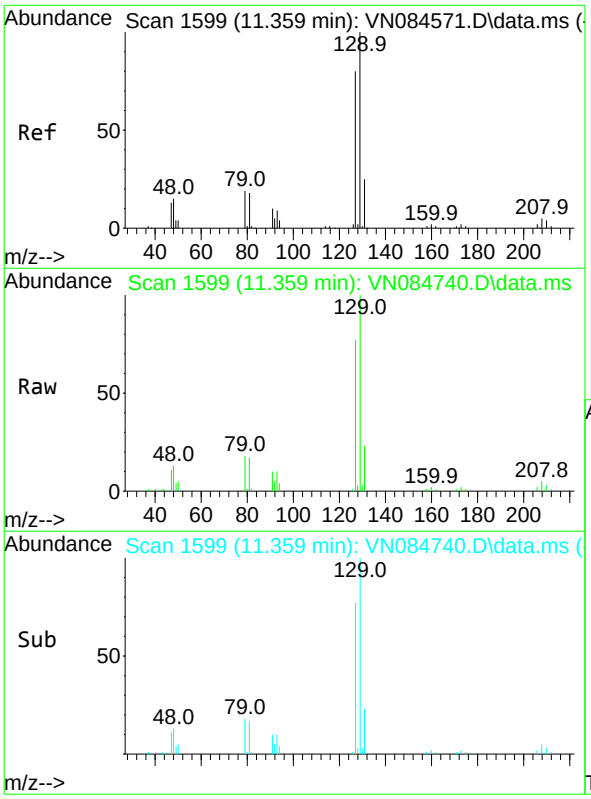
Ion	Ratio	Lower	Upper
43	100		
58	57.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

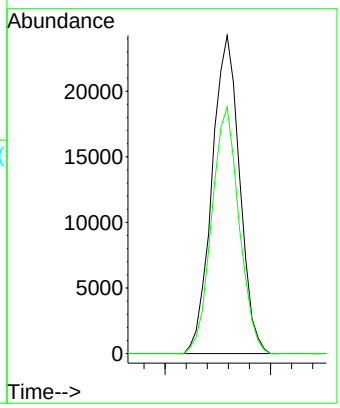
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

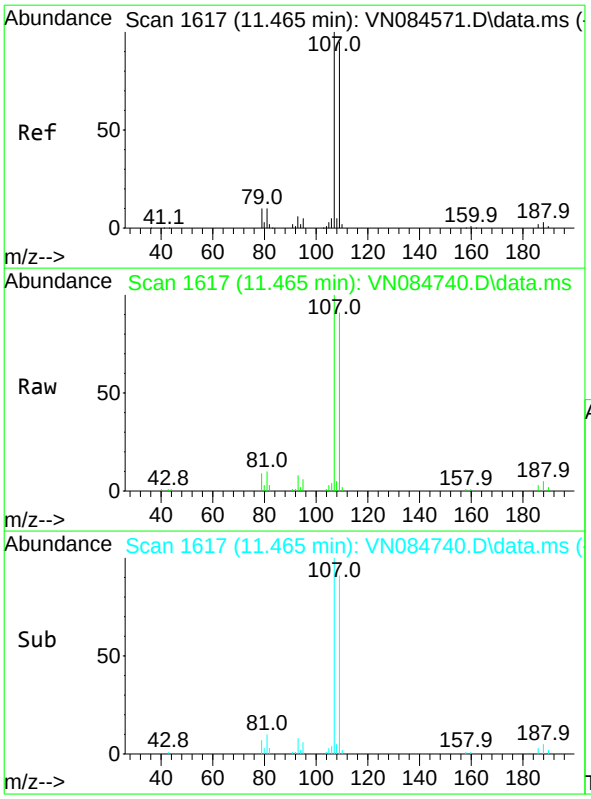


#60
Dibromochloromethane
Concen: 20.022 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:129 Resp: 44133

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9

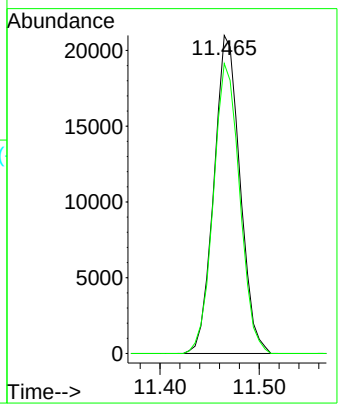




#61
1,2-Dibromoethane
Concen: 19.336 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:107 Resp: 38295

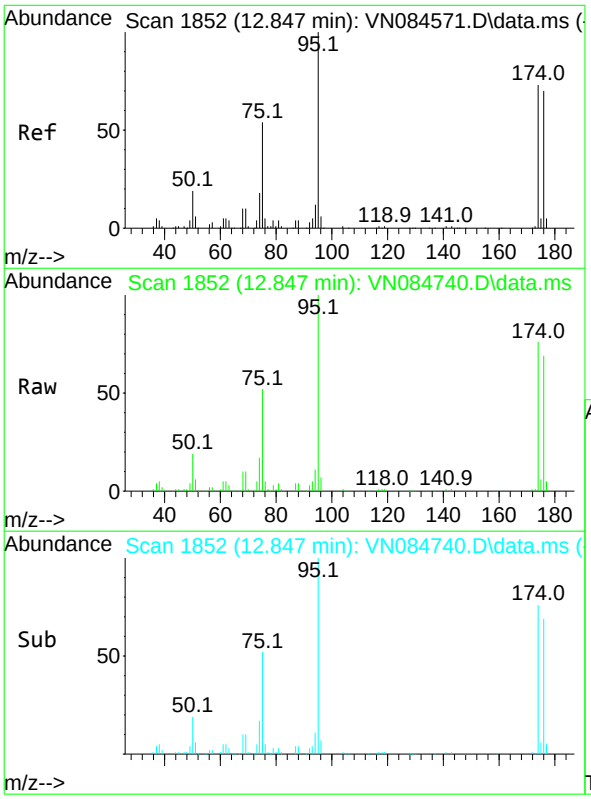
Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

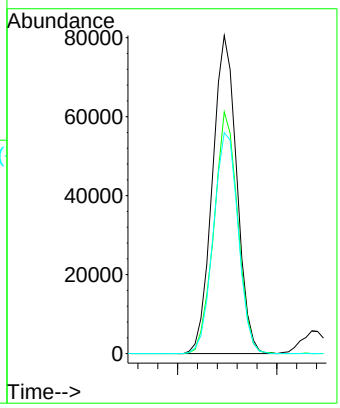
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

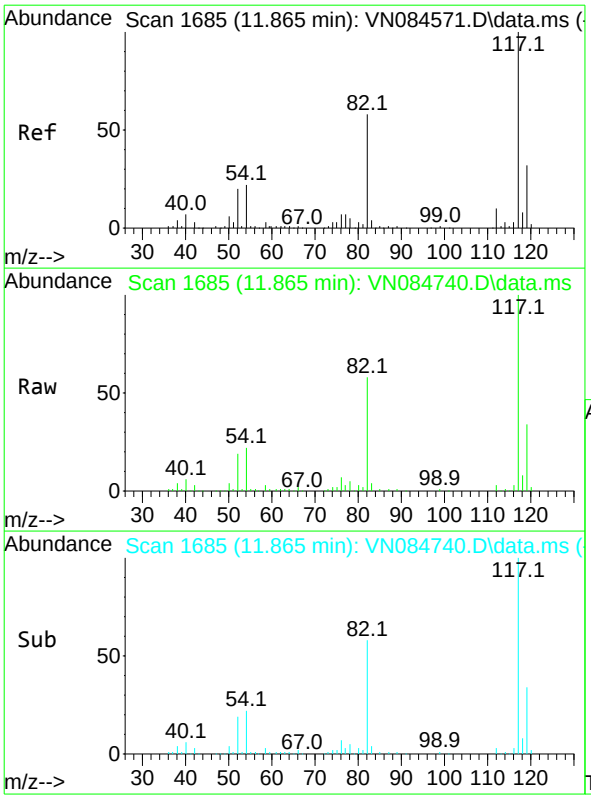


#62
4-Bromofluorobenzene
Concen: 50.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 95 Resp: 137305

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	70.9	0.0	140.0

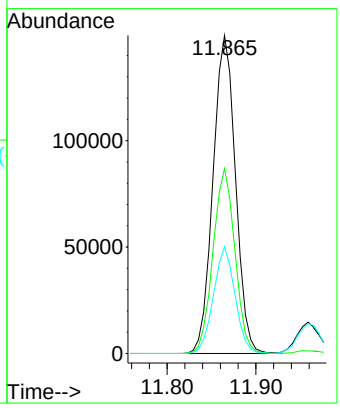




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:117 Resp: 262615

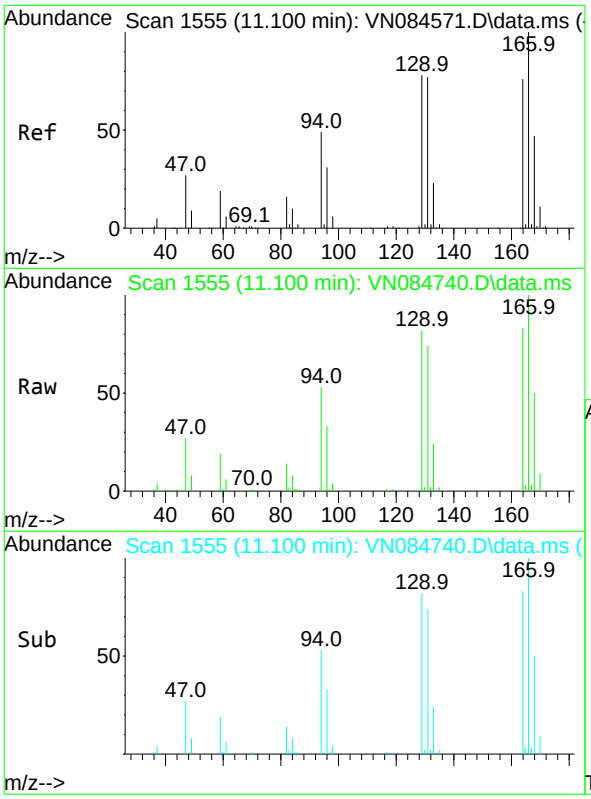
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	33.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

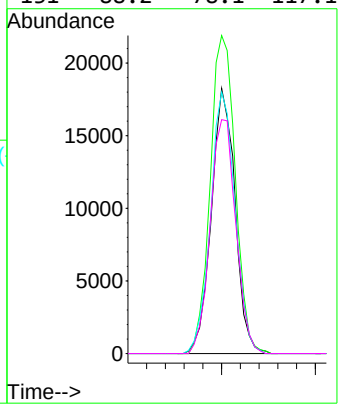
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

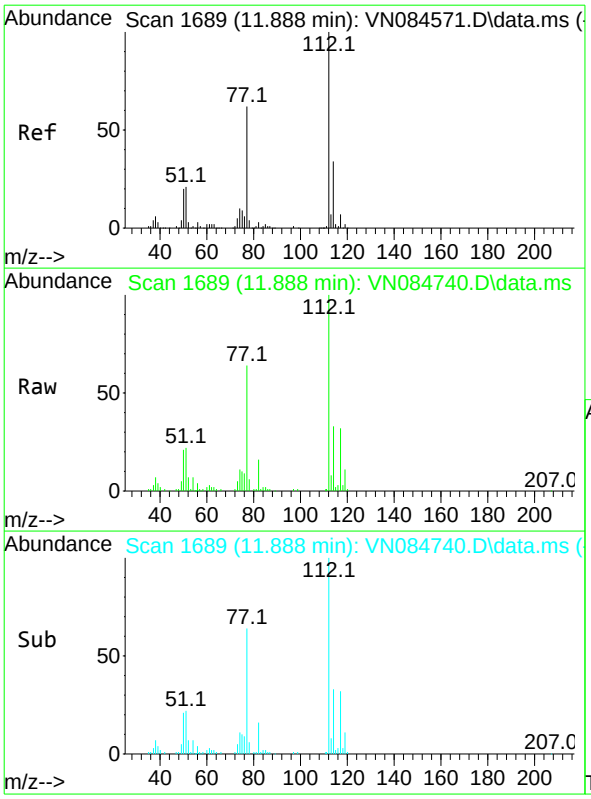


#64
Tetrachloroethene
Concen: 18.289 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:164 Resp: 31948

Ion	Ratio	Lower	Upper
164	100		
166	119.9	101.0	151.4
129	98.6	80.8	121.2
131	88.2	78.1	117.1

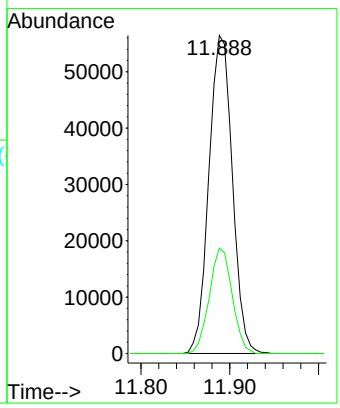




#65
Chlorobenzene
Concen: 17.596 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:112 Resp: 103377

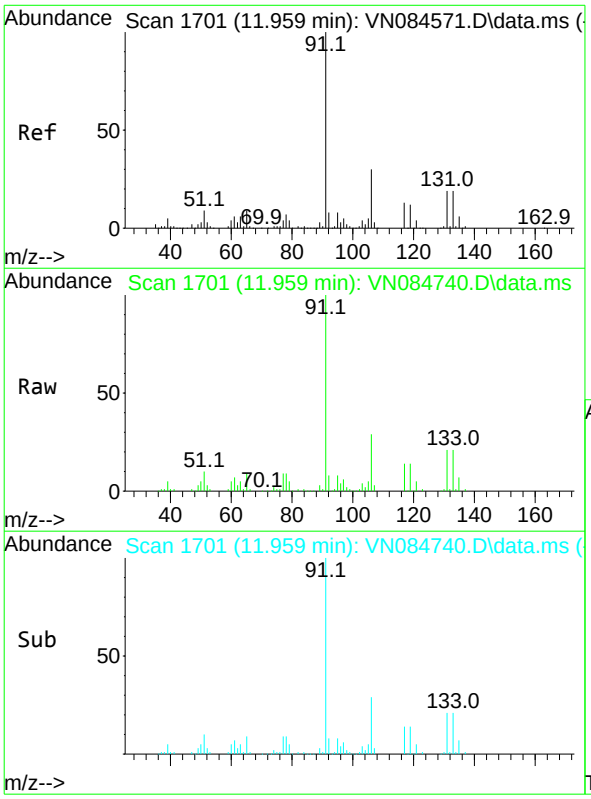
Ion	Ratio	Lower	Upper
112	100		
114	33.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

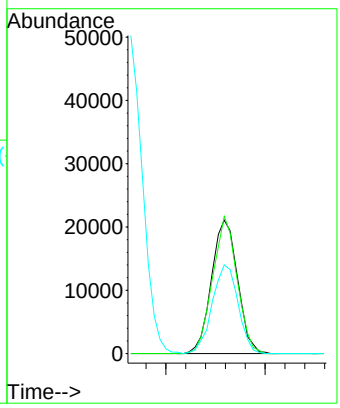
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

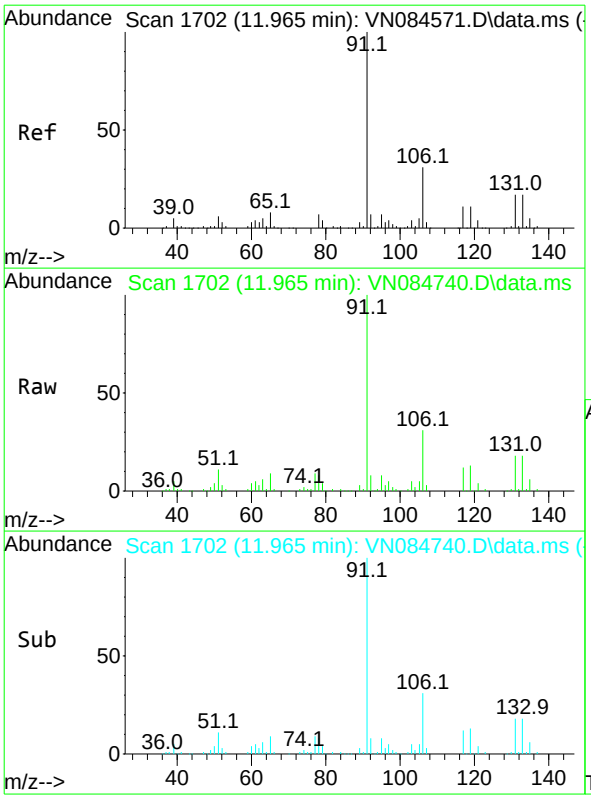


#66
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:131 Resp: 38498

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.7
119	65.7	32.8	98.3

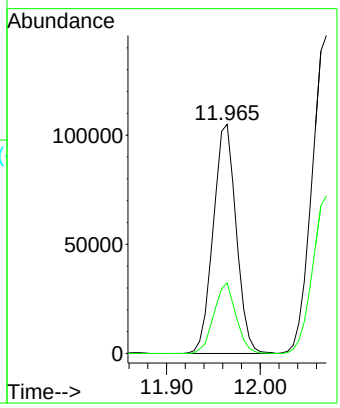




#67
Ethyl Benzene
Concen: 18.206 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 178544

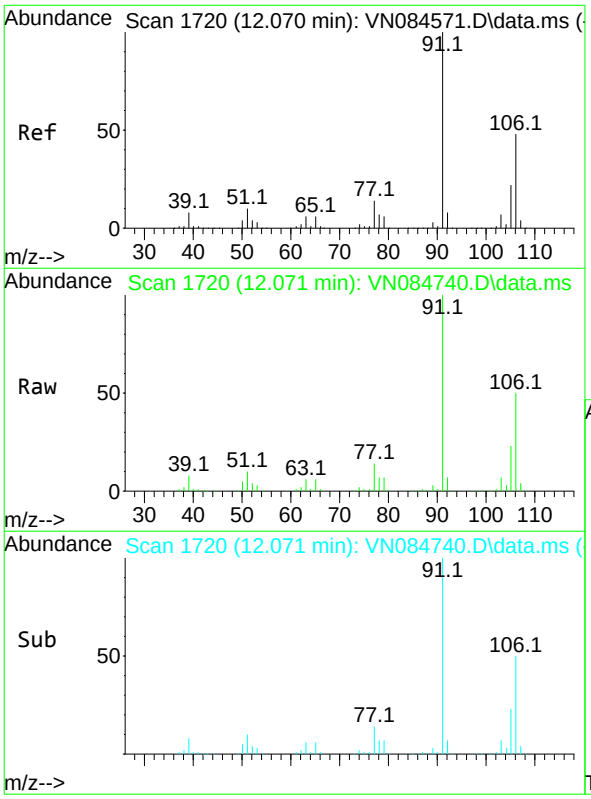
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

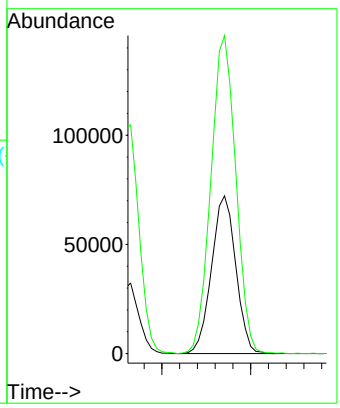
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

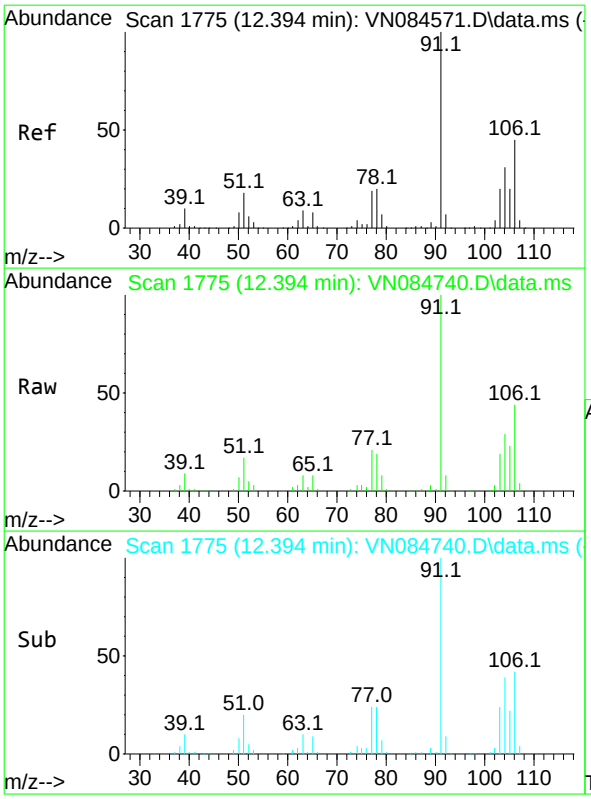


#68
m/p-Xylenes
Concen: 36.948 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:106 Resp: 137179

Ion	Ratio	Lower	Upper
106	100		
91	207.1	167.1	250.7

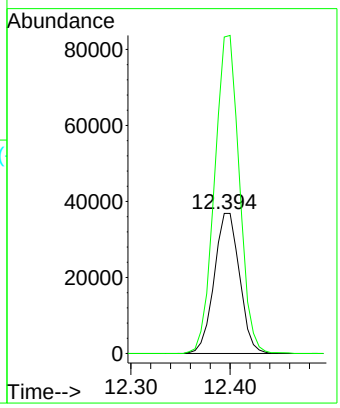




#69
o-Xylene
Concen: 18.820 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:106 Resp: 65367

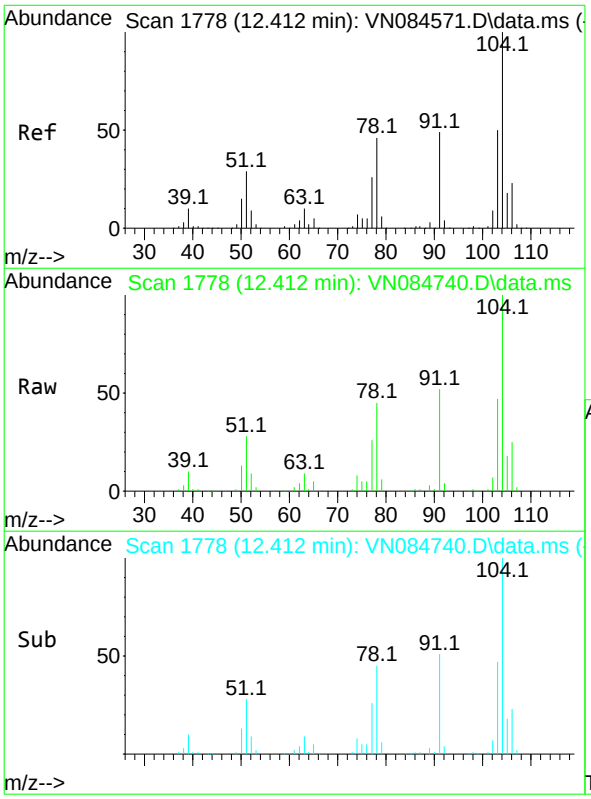
Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

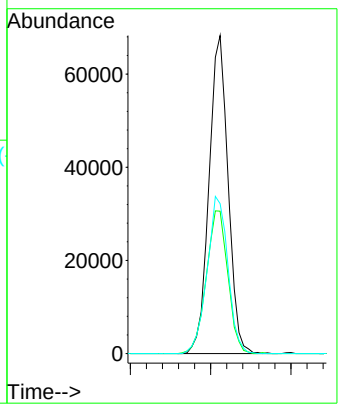
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

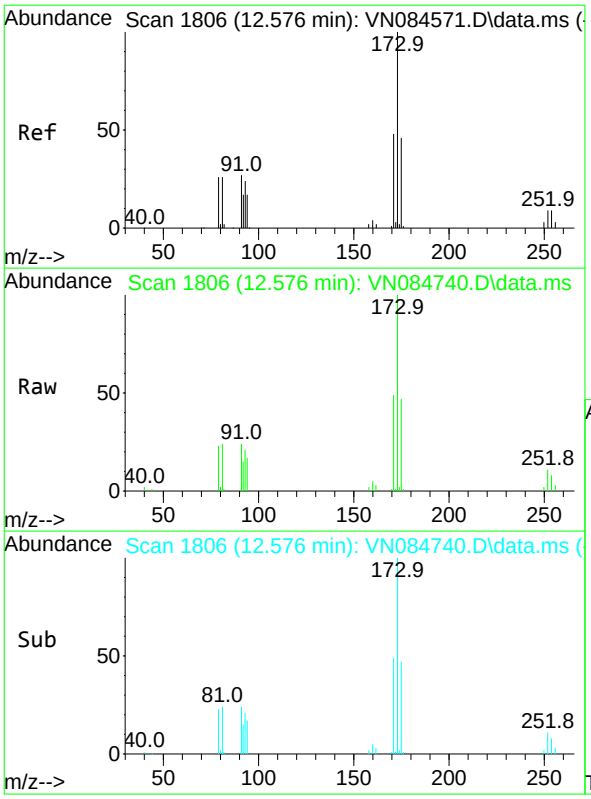


#70
Styrene
Concen: 18.596 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:104 Resp: 112670

Ion	Ratio	Lower	Upper
104	100		
78	50.6	42.7	64.1
103	53.9	43.6	65.4

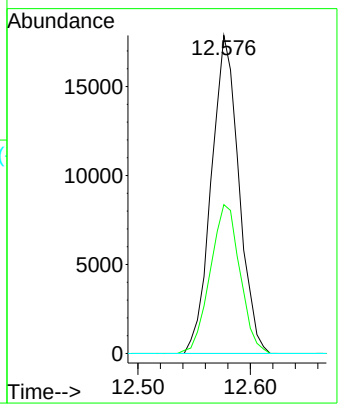




#71
Bromoform
Concen: 19.760 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:173 Resp: 30386

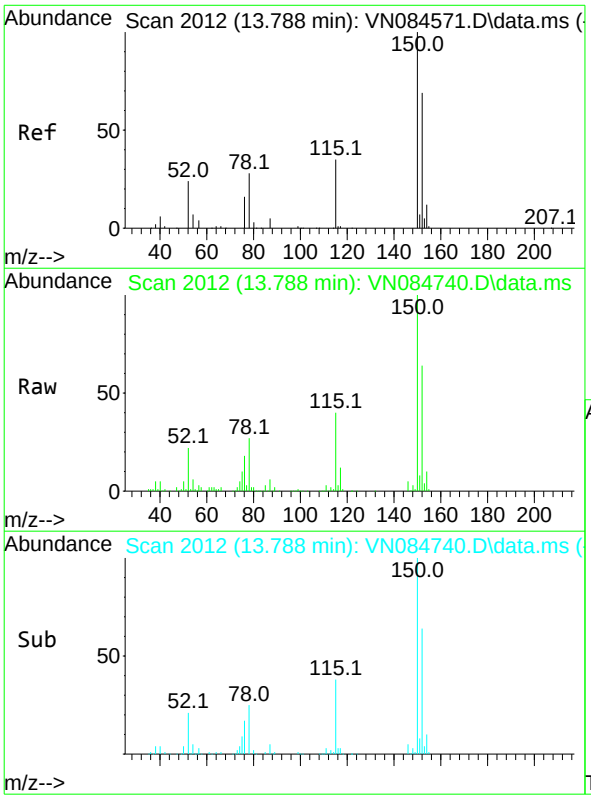
Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

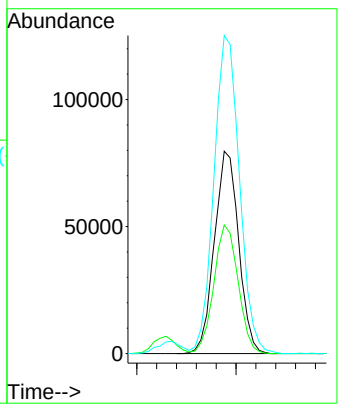
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

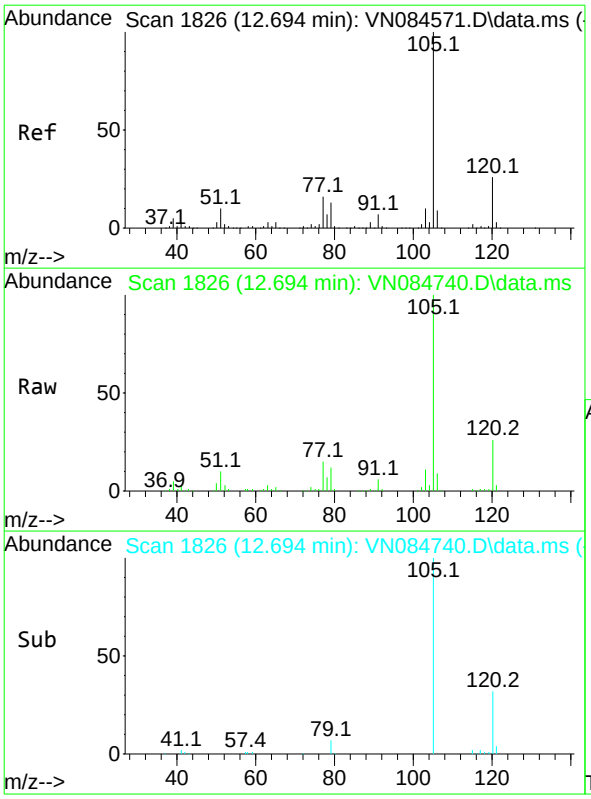


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:152 Resp: 135553

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	165.5	0.0	349.8

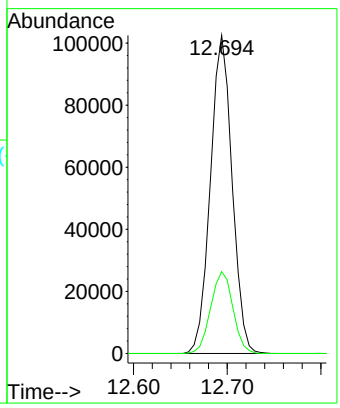




#73
Isopropylbenzene
Concen: 17.362 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 164923

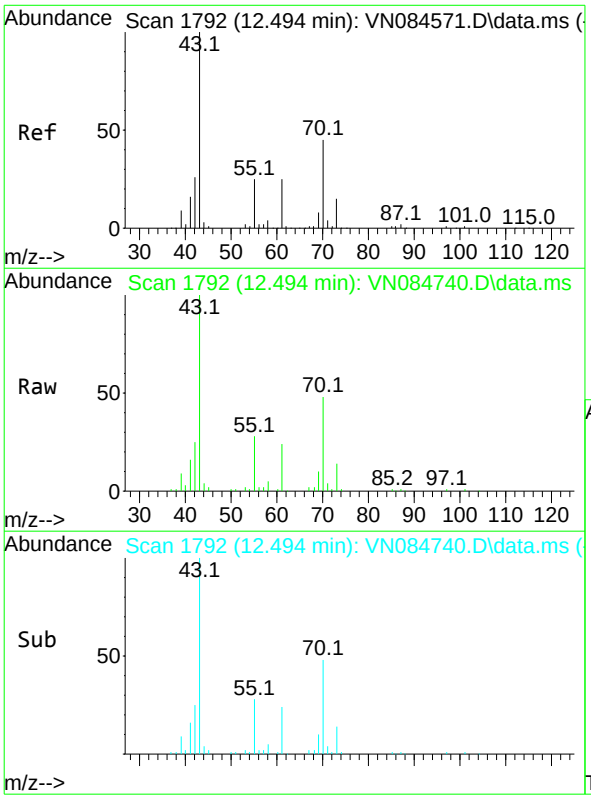
Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

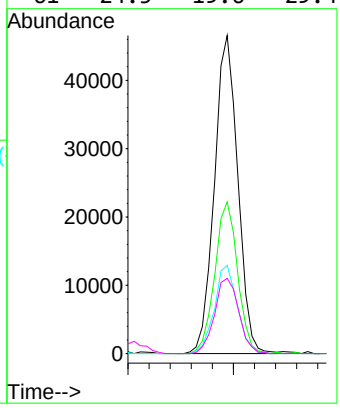
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

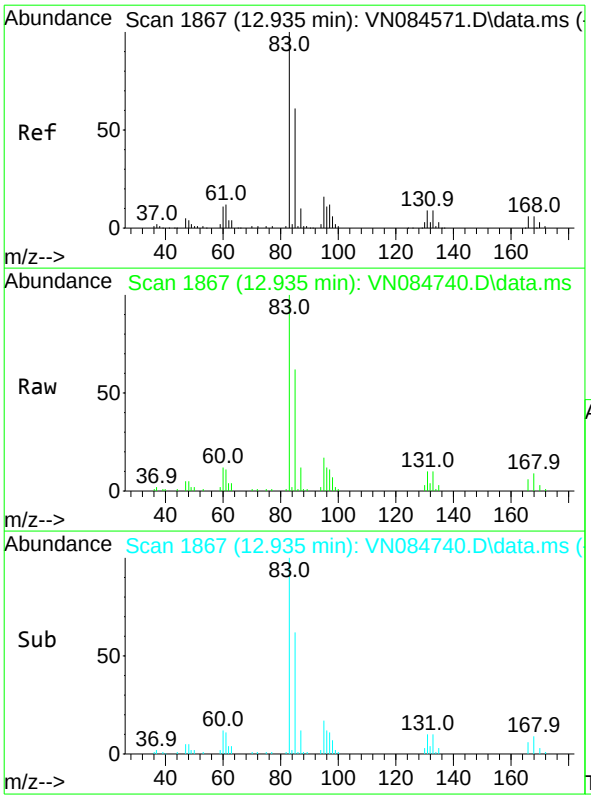


#74
N-amyl acetate
Concen: 17.751 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 71767

Ion	Ratio	Lower	Upper
43	100		
70	46.5	34.4	51.6
55	27.3	19.6	29.4
61	24.5	19.6	29.4

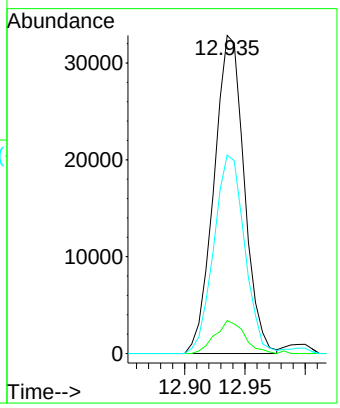




#75
1,1,2,2-Tetrachloroethane
Concen: 18.101 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 83 Resp: 57392

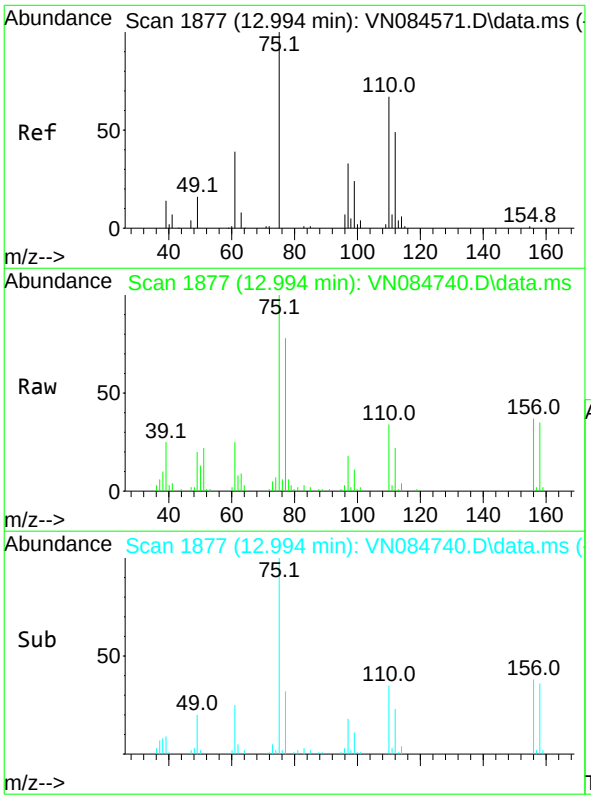
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

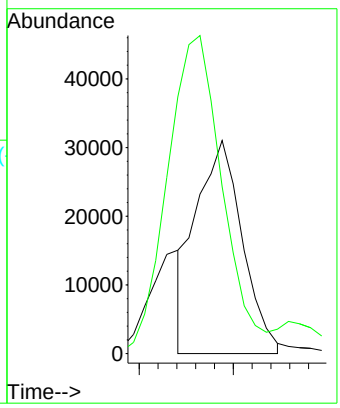
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

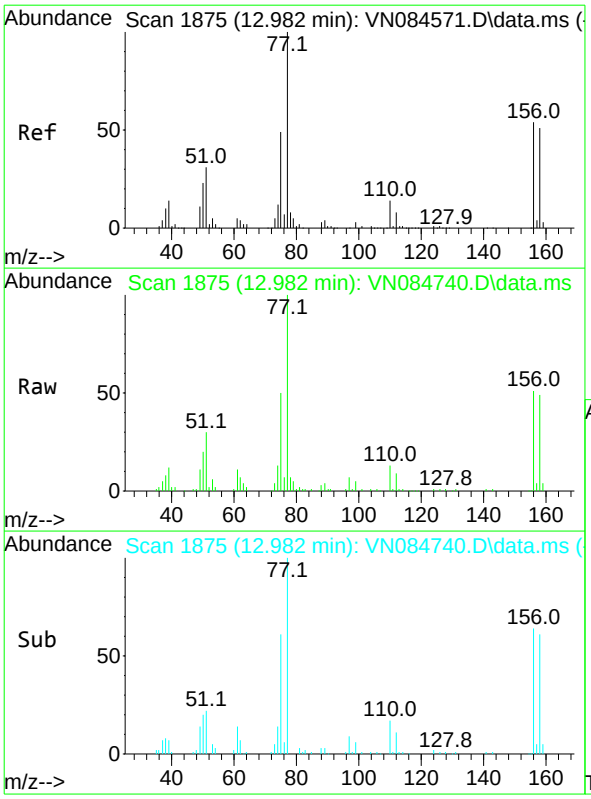


#76
1,2,3-Trichloropropane
Concen: 19.567 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 53019

Ion	Ratio	Lower	Upper
75	100		
77	177.0	96.9	290.7

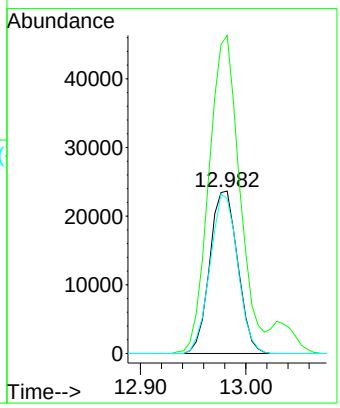




#77
Bromobenzene
Concen: 17.064 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:156 Resp: 43577

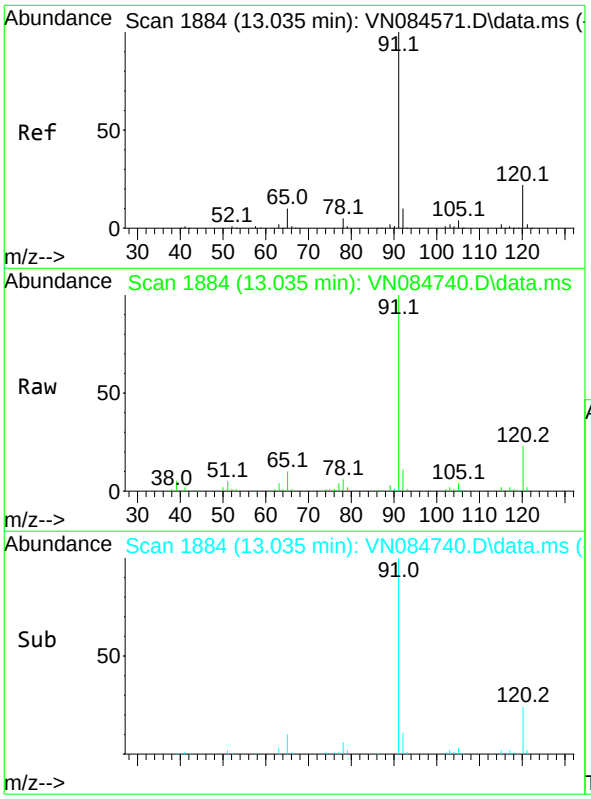
Ion	Ratio	Lower	Upper
156	100		
77	215.3	115.1	345.3
158	97.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

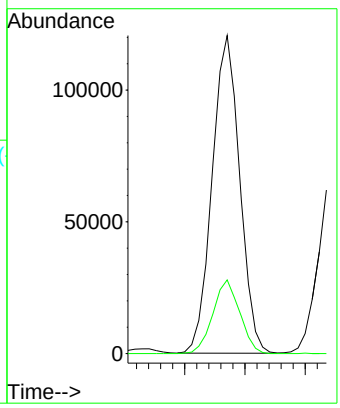
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

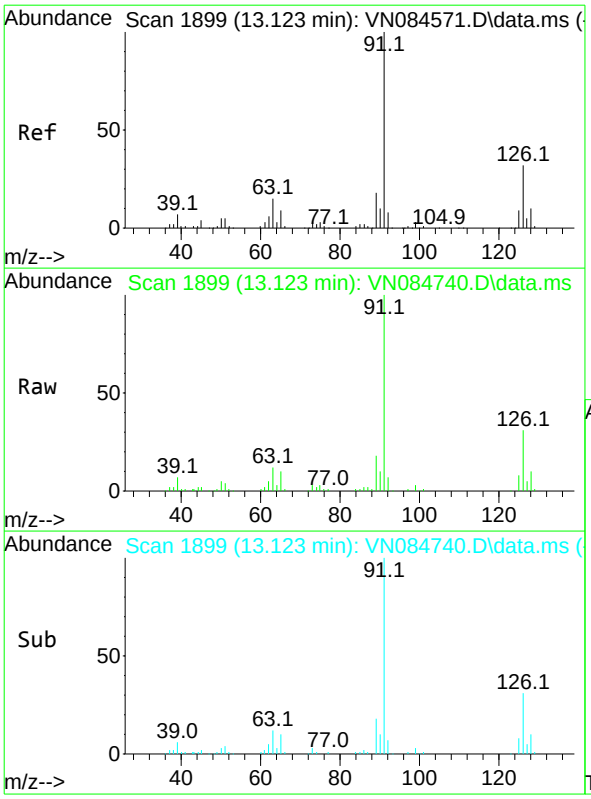


#78
n-propylbenzene
Concen: 17.213 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 191605

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4

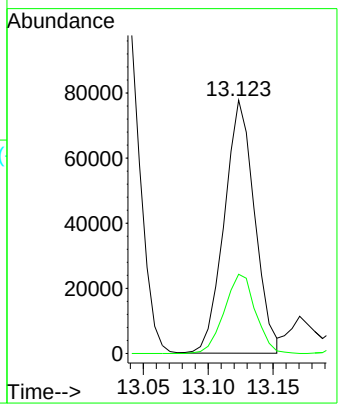




#79
2-Chlorotoluene
Concen: 17.419 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 126696

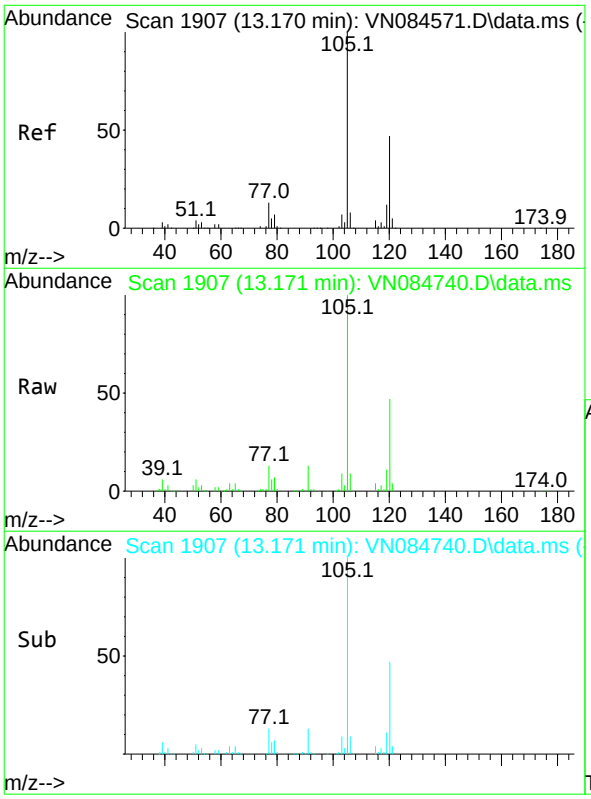
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

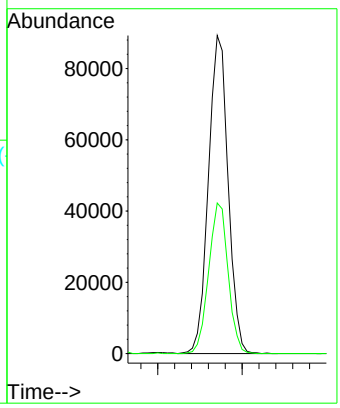
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

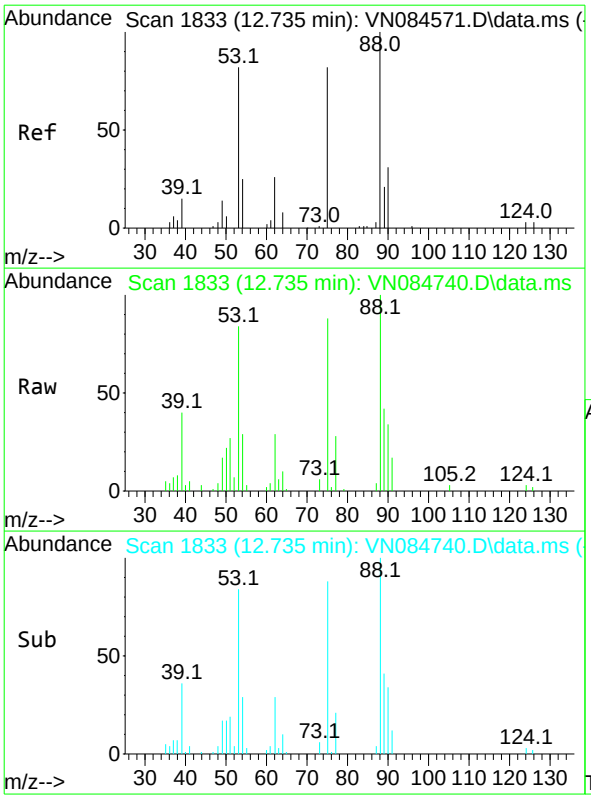


#80
1,3,5-Trimethylbenzene
Concen: 18.367 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 144609

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.7	71.1

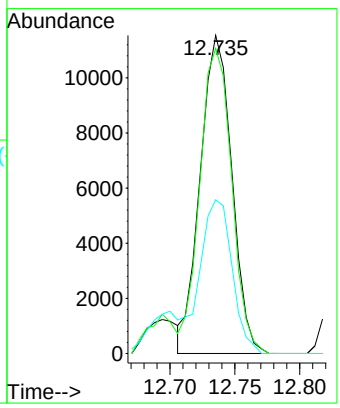




#81
trans-1,4-Dichloro-2-butene
Concen: 17.126 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 19561

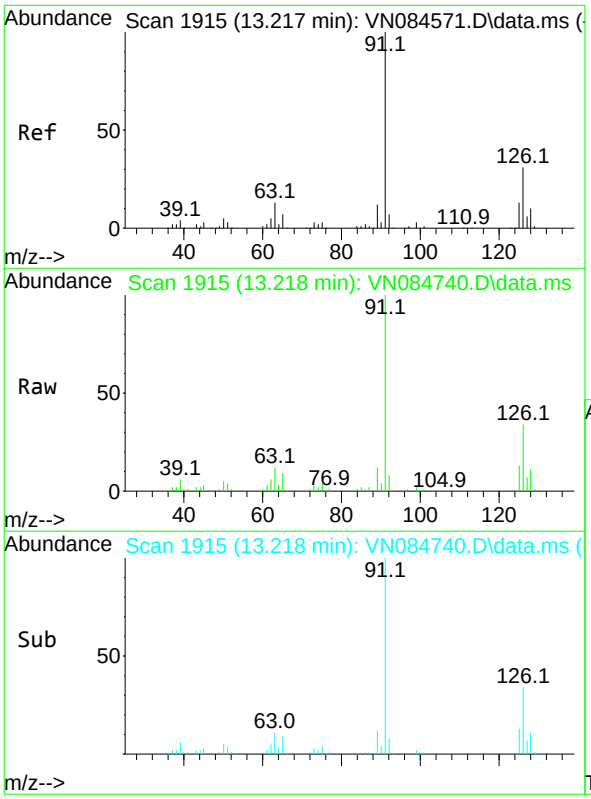
Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	49.9	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

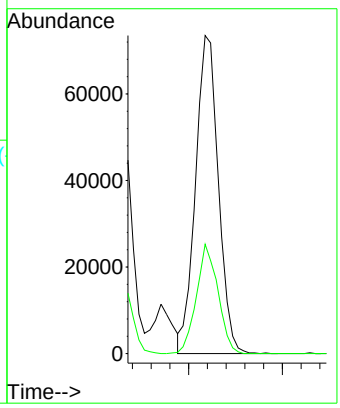
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

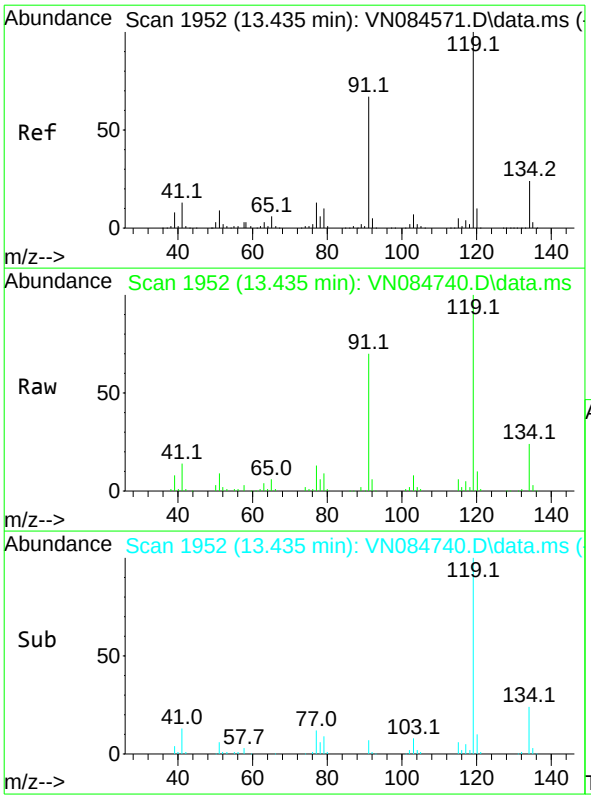


#82
4-Chlorotoluene
Concen: 16.242 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 124322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

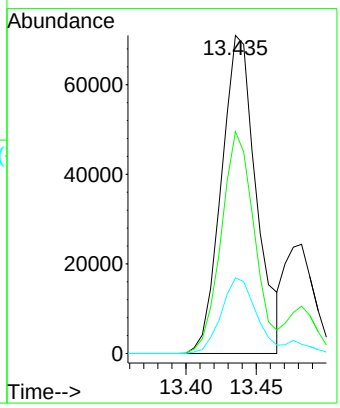




#83
tert-Butylbenzene
Concen: 18.827 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:119 Resp: 122675

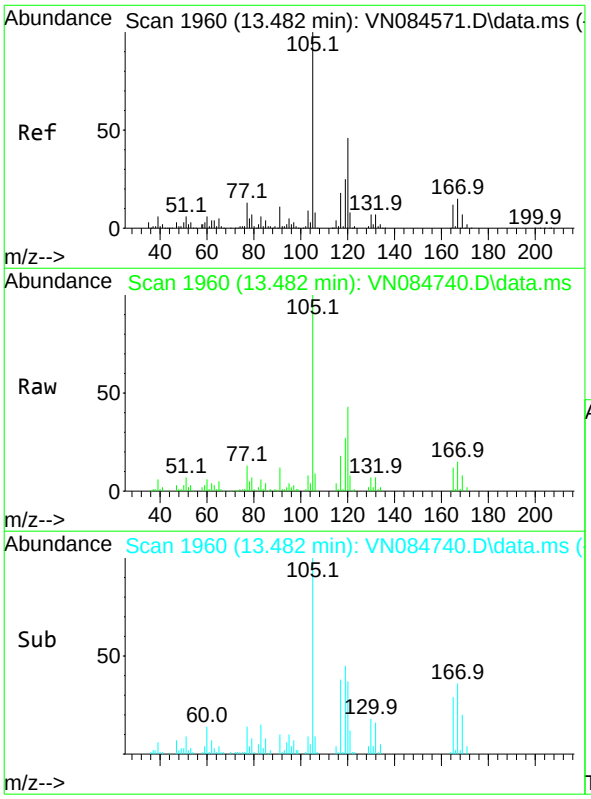
Ion	Ratio	Lower	Upper
119	100		
91	66.4	34.1	102.3
134	24.2	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations APPROVED

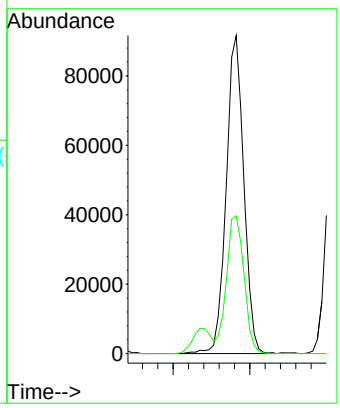
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

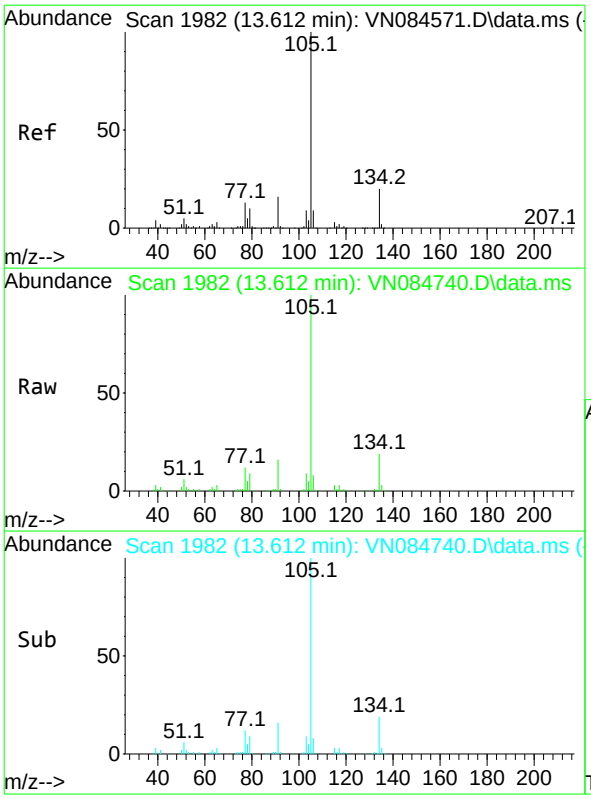


#84
1,2,4-Trimethylbenzene
Concen: 17.935 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 145733

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

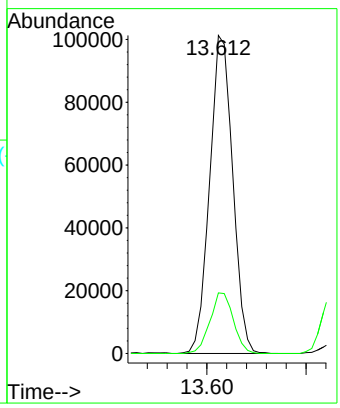




#85
sec-Butylbenzene
Concen: 17.746 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 163337

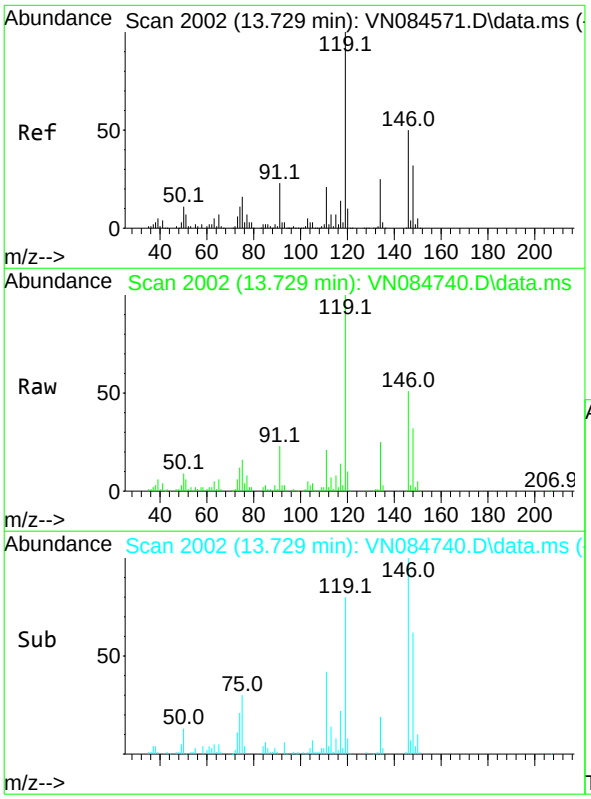
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

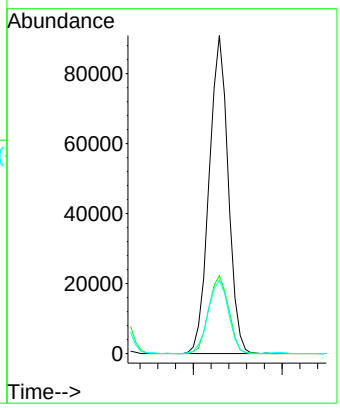
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

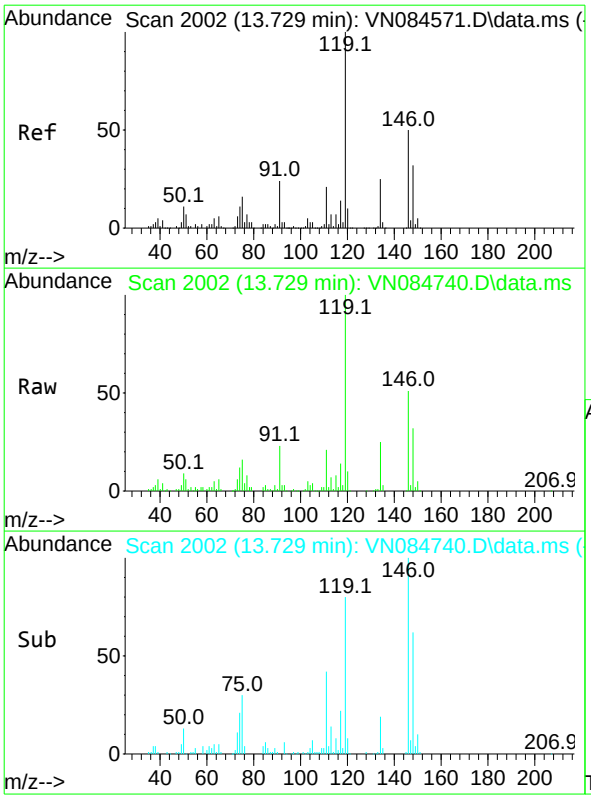


#86
p-Isopropyltoluene
Concen: 17.976 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:119 Resp: 135693

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.4	37.2

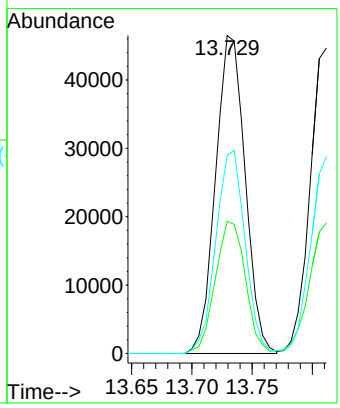




#87
1,3-Dichlorobenzene
Concen: 15.955 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:146 Resp: 79514

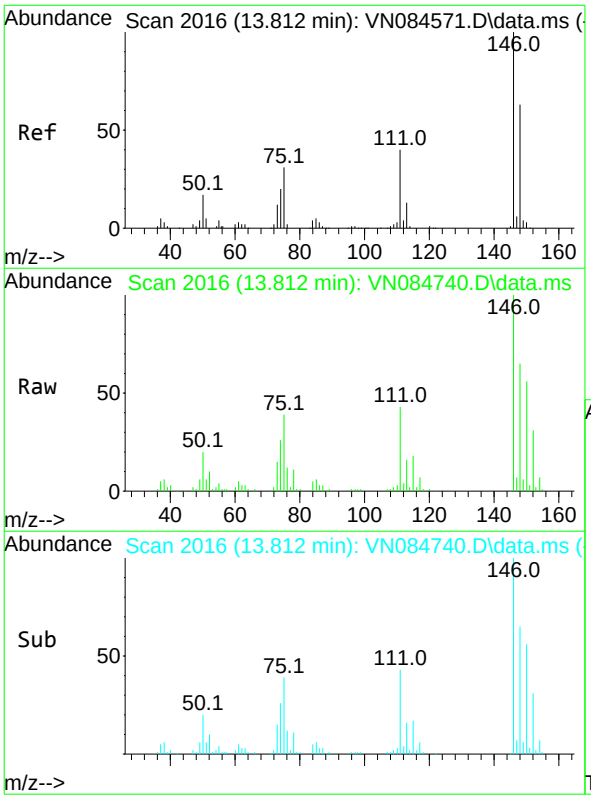
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	63.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

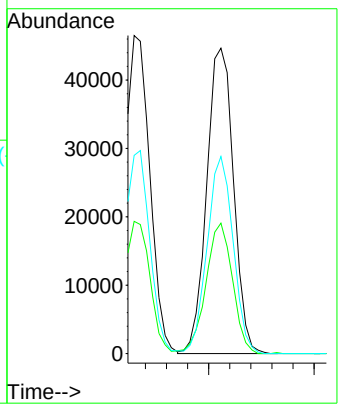
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

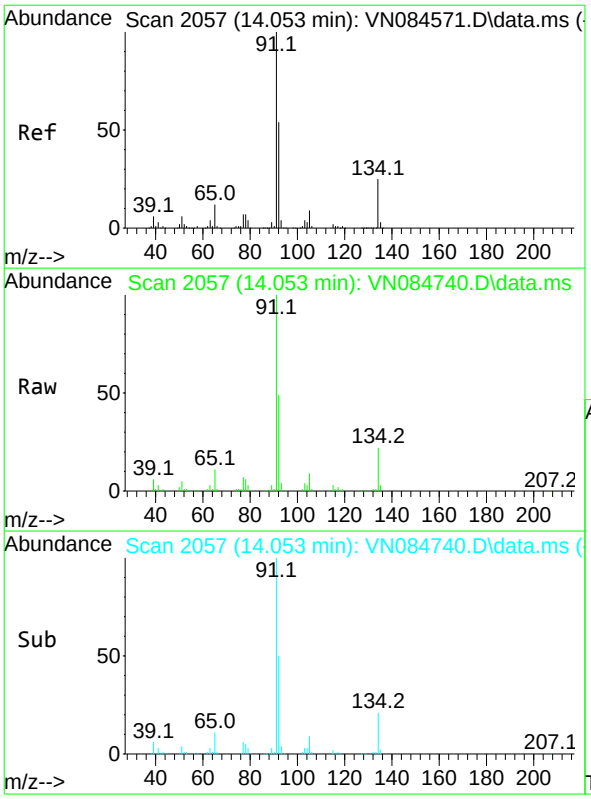


#88
1,4-Dichlorobenzene
Concen: 16.542 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:146 Resp: 78967

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	62.4	31.9	95.9

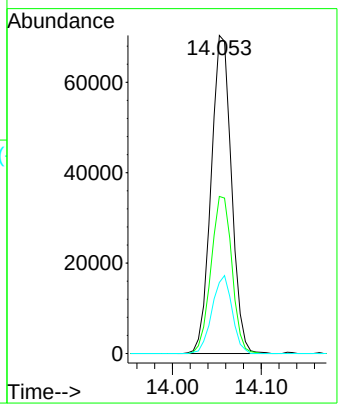




#89
n-Butylbenzene
Concen: 15.872 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 112075

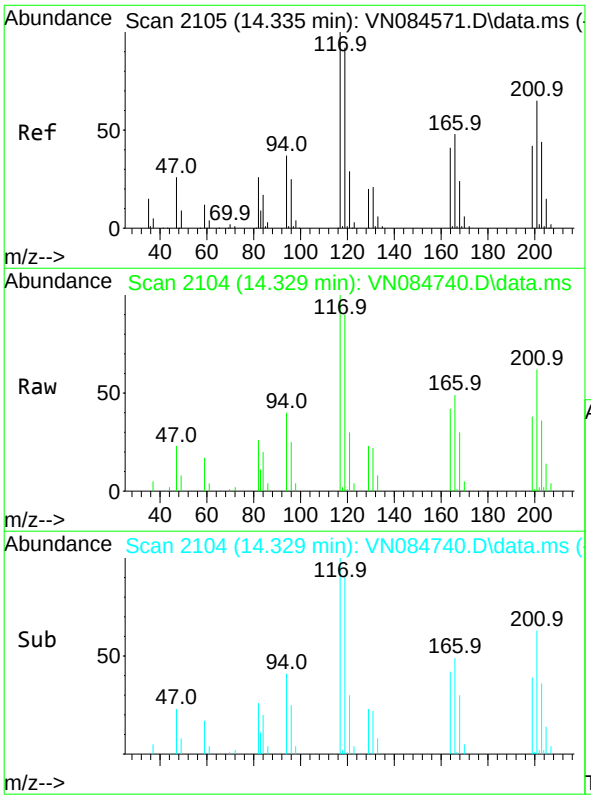
Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.6	79.7
134	24.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

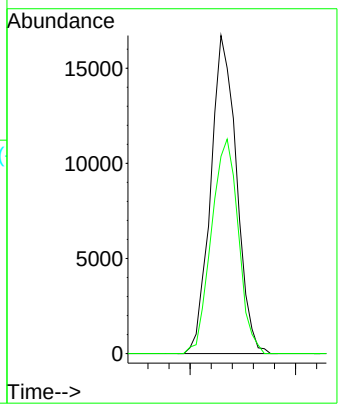
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

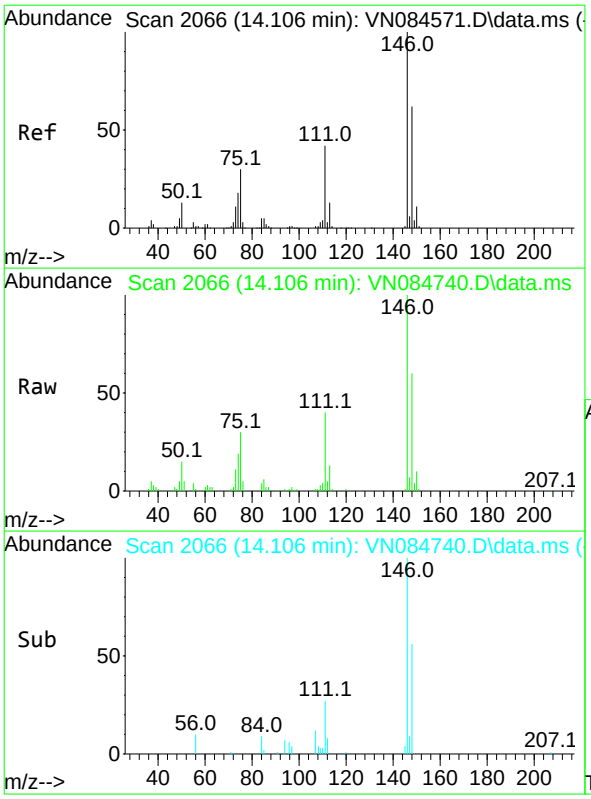


#90
Hexachloroethane
Concen: 16.916 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:117 Resp: 28476

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.4	103.2

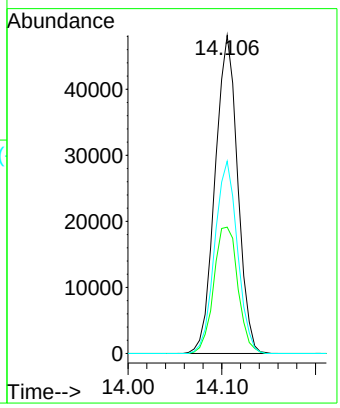




#91
1,2-Dichlorobenzene
Concen: 16.827 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:146 Resp: 80587

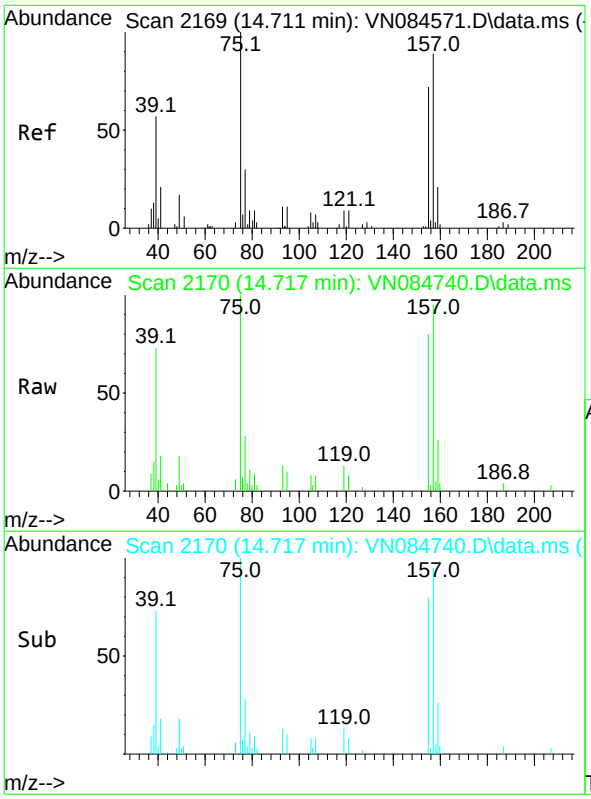
Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	60.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

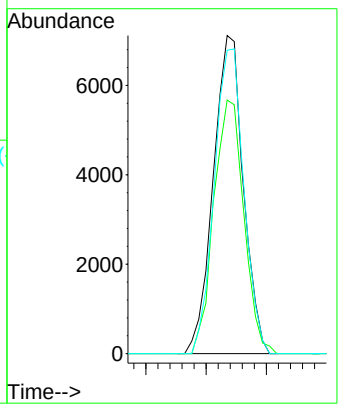
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

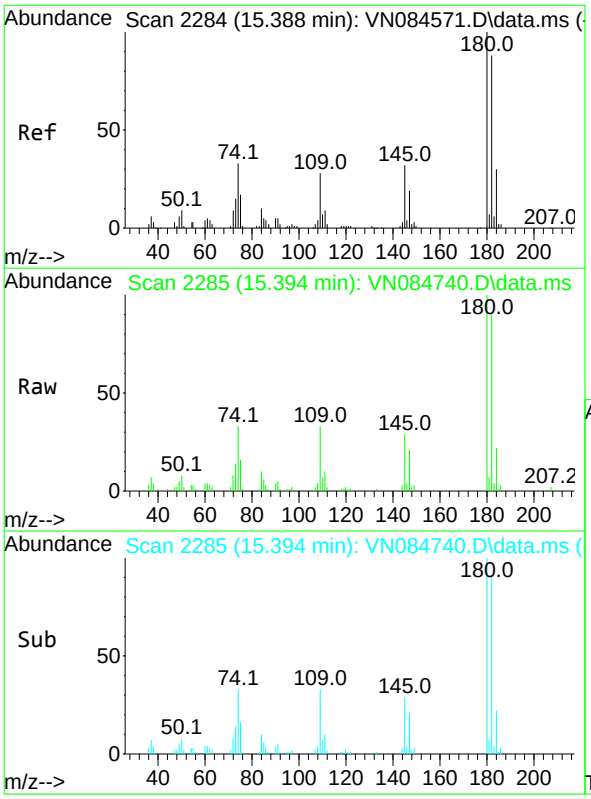


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.149 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 12300

Ion	Ratio	Lower	Upper
75	100		
155	80.0	38.1	114.5
157	94.3	49.6	149.0

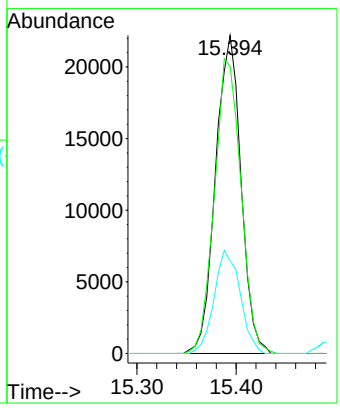




#93
1,2,4-Trichlorobenzene
Concen: 15.099 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:180 Resp: 39577

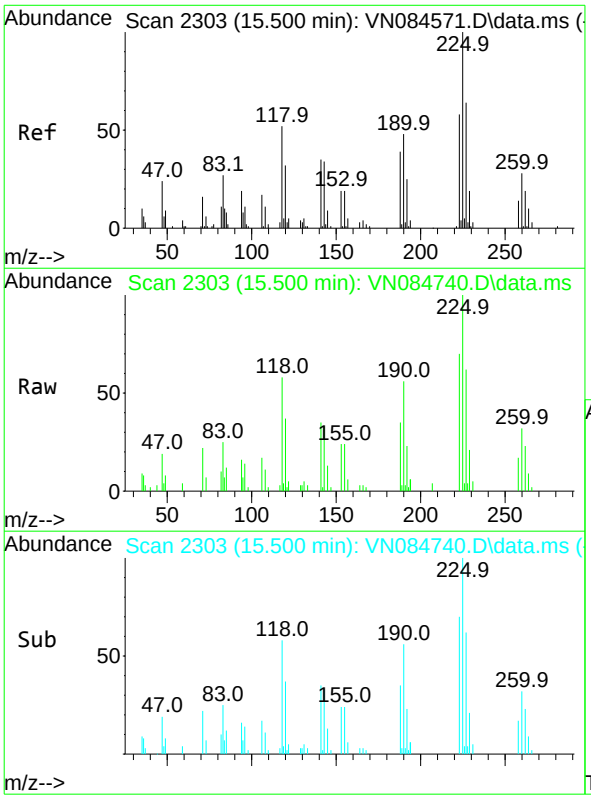
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.0	141.0
145	33.2	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

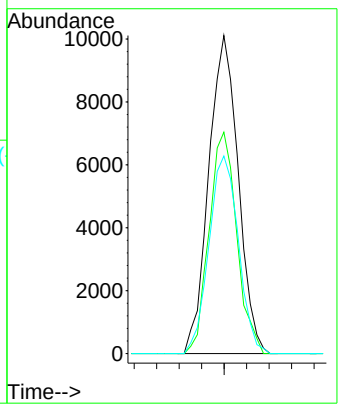
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024

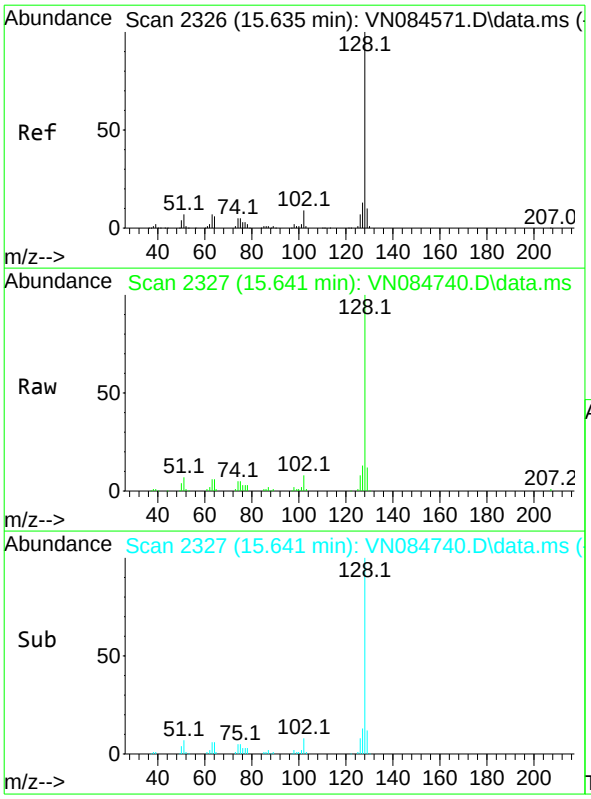


#94
Hexachlorobutadiene
Concen: 16.011 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:225 Resp: 18430

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	61.9	32.4	97.0

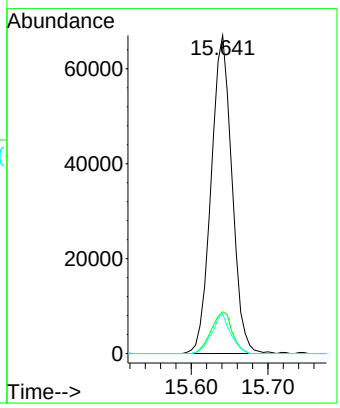




#95
Naphthalene
Concen: 16.107 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:128 Resp: 126375

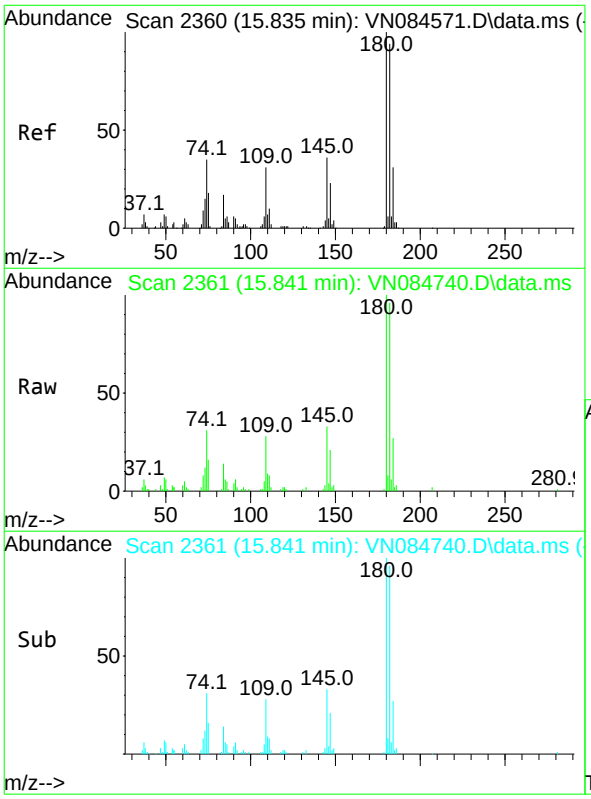
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Manual Integrations
APPROVED

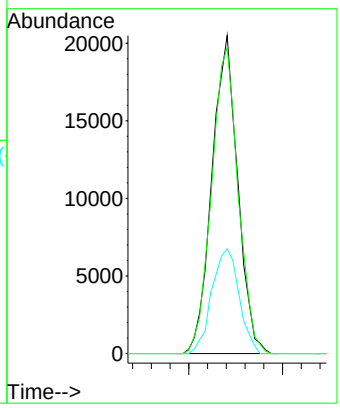
Reviewed By :Semsettin Yesilyurt 11/09/2024
Supervised By :Mahesh Dadoda 11/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 15.368 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:180 Resp: 39105

Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.2	144.6
145	34.8	17.3	51.9



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:	CTO WE13	Date Received:	
Client Sample ID:	VN1111WBS01	SDG No.:	P4774
Lab Sample ID:	VN1111WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084766.D	1		11/11/24 12:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	12.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.4		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	16.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	90.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	13.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	15.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	16.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	86.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	17.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.5		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.1		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.4		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	16.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	94.6		1.10	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:	CTO WE13	Date Received:	
Client Sample ID:	VN1111WBS01	SDG No.:	P4774
Lab Sample ID:	VN1111WBS01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084766.D	1		11/11/24 12:54	VN111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	19.4		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	18.1		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.3		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.9		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.7		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.8		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	44.8		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	8.224				
540-36-3	1,4-Difluorobenzene	269000	9.1				
3114-55-4	Chlorobenzene-d5	238000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.794				

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\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 04:51:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	167933	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	269161	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	238228	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123082	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.571	65	101440	41.822	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.640%				
35) Dibromofluoromethane	8.165	113	83832	46.014	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.020%				
50) Toluene-d8	10.565	98	300387	44.759	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.520%				
62) 4-Bromofluorobenzene	12.847	95	117186	46.721	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.440%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	31118	16.119	ug/l		91
3) Chloromethane	2.359	50	32895	12.638	ug/l		99
4) Vinyl Chloride	2.512	62	31989	15.406	ug/l		97
5) Bromomethane	2.901	94	18435	16.757	ug/l		98
6) Chloroethane	3.071	64	21835	16.041	ug/l		96
7) Trichlorofluoromethane	3.471	101	57579	16.834	ug/l		96
8) Diethyl Ether	3.953	74	20121	16.676	ug/l		96
9) 1,1,2-Trichlorotrifluo...	4.353	101	33184	17.170	ug/l		97
10) Methyl Iodide	4.577	142	44513	17.233	ug/l	#	83
11) Tert butyl alcohol	5.536	59	27067	84.542	ug/l	#	89
12) 1,1-Dichloroethene	4.324	96	30844	16.128	ug/l		91
13) Acrolein	4.177	56	23863	74.746	ug/l		93
14) Allyl chloride	5.018	41	50354	16.236	ug/l		91
15) Acrylonitrile	5.718	53	76491	82.528	ug/l		99
16) Acetone	4.430	43	64503	90.240	ug/l		93
17) Carbon Disulfide	4.700	76	80517	13.672	ug/l		96
18) Methyl Acetate	5.024	43	40630	12.914	ug/l		97
19) Methyl tert-butyl Ether	5.789	73	100798	17.196	ug/l		95
20) Methylene Chloride	5.265	84	36612	17.162	ug/l		90
21) trans-1,2-Dichloroethene	5.783	96	31234	15.906	ug/l		93
22) Diisopropyl ether	6.671	45	105182	17.068	ug/l		97
23) Vinyl Acetate	6.600	43	358872	84.444	ug/l		97
24) 1,1-Dichloroethane	6.559	63	62411	16.868	ug/l		98
25) 2-Butanone	7.483	43	97431	86.101	ug/l		99
26) 2,2-Dichloropropane	7.488	77	56410	17.517	ug/l		98
27) cis-1,2-Dichloroethene	7.477	96	39395	17.181	ug/l		94
28) Bromochloromethane	7.806	49	32939	22.346	ug/l		89
29) Tetrahydrofuran	7.835	42	61385	81.769	ug/l		94
30) Chloroform	7.965	83	66840	17.749	ug/l		98
31) Cyclohexane	8.253	56	50151	14.976	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	60929	17.776	ug/l		96
36) 1,1-Dichloropropene	8.365	75	43961	17.398	ug/l		98
37) Ethyl Acetate	7.559	43	39564	17.258	ug/l		98
38) Carbon Tetrachloride	8.359	117	53552	18.962	ug/l		94
39) Methylcyclohexane	9.600	83	44034	17.130	ug/l		93
40) Benzene	8.600	78	141800	17.475	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 04:51:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23067	18.711 ug/l	98
42) 1,2-Dichloroethane	8.665	62	48176	18.332 ug/l	99
43) Isopropyl Acetate	8.688	43	72107	16.376 ug/l	97
44) Trichloroethene	9.353	130	32999	17.633 ug/l	99
45) 1,2-Dichloropropane	9.618	63	34052	17.889 ug/l	91
46) Dibromomethane	9.706	93	24530	18.263 ug/l	97
47) Bromodichloromethane	9.882	83	52398	18.506 ug/l	93
48) Methyl methacrylate	9.682	41	31523	17.668 ug/l	97
49) 1,4-Dioxane	9.694	88	12374	391.373 ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	203514	93.123 ug/l	98
52) Toluene	10.629	92	87522	18.442 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	49448	16.872 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	55849	18.005 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	33617	18.805 ug/l	97
56) Ethyl methacrylate	10.871	69	49258	19.049 ug/l	96
57) 1,3-Dichloropropane	11.165	76	56752	18.498 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	115516	95.469 ug/l	95
59) 2-Hexanone	11.194	43	150560	94.647 ug/l	98
60) Dibromochloromethane	11.359	129	39477	19.376 ug/l	96
61) 1,2-Dibromoethane	11.465	107	32346	17.669 ug/l	100
64) Tetrachloroethene	11.100	164	29143	18.391 ug/l	96
65) Chlorobenzene	11.888	112	94835	17.794 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35321	19.053 ug/l	98
67) Ethyl Benzene	11.965	91	158600	17.828 ug/l	97
68) m/p-Xylenes	12.071	106	125551	37.278 ug/l	96
69) o-Xylene	12.394	106	60323	19.146 ug/l	99
70) Styrene	12.412	104	99383	18.082 ug/l	99
71) Bromoform	12.576	173	26968	19.333 ug/l #	98
73) Isopropylbenzene	12.694	105	151056	17.513 ug/l	100
74) N-amyl acetate	12.494	43	59614	16.239 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	48794	16.948 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	39212m	15.938 ug/l	
77) Bromobenzene	12.976	156	38355	16.541 ug/l	94
78) n-propylbenzene	13.035	91	175156	17.330 ug/l	98
79) 2-Chlorotoluene	13.123	91	114478	17.334 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	131426	18.384 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16387	15.801 ug/l	96
82) 4-Chlorotoluene	13.217	91	114060	16.411 ug/l	98
83) tert-Butylbenzene	13.435	119	112196	18.963 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	134030	18.166 ug/l	98
85) sec-Butylbenzene	13.617	105	147689	17.672 ug/l	100
86) p-Isopropyltoluene	13.729	119	123092	17.959 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	73601	16.265 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	72855	16.823 ug/l	99
89) n-Butylbenzene	14.053	91	100465	15.670 ug/l	98
90) Hexachloroethane	14.329	117	25635	16.771 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	72406	16.651 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9684	16.604 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	33879	14.234 ug/l	94
94) Hexachlorobutadiene	15.500	225	15881	15.194 ug/l	96
95) Naphthalene	15.641	128	102086	14.330 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	33780	14.621 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 04:51:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

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

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

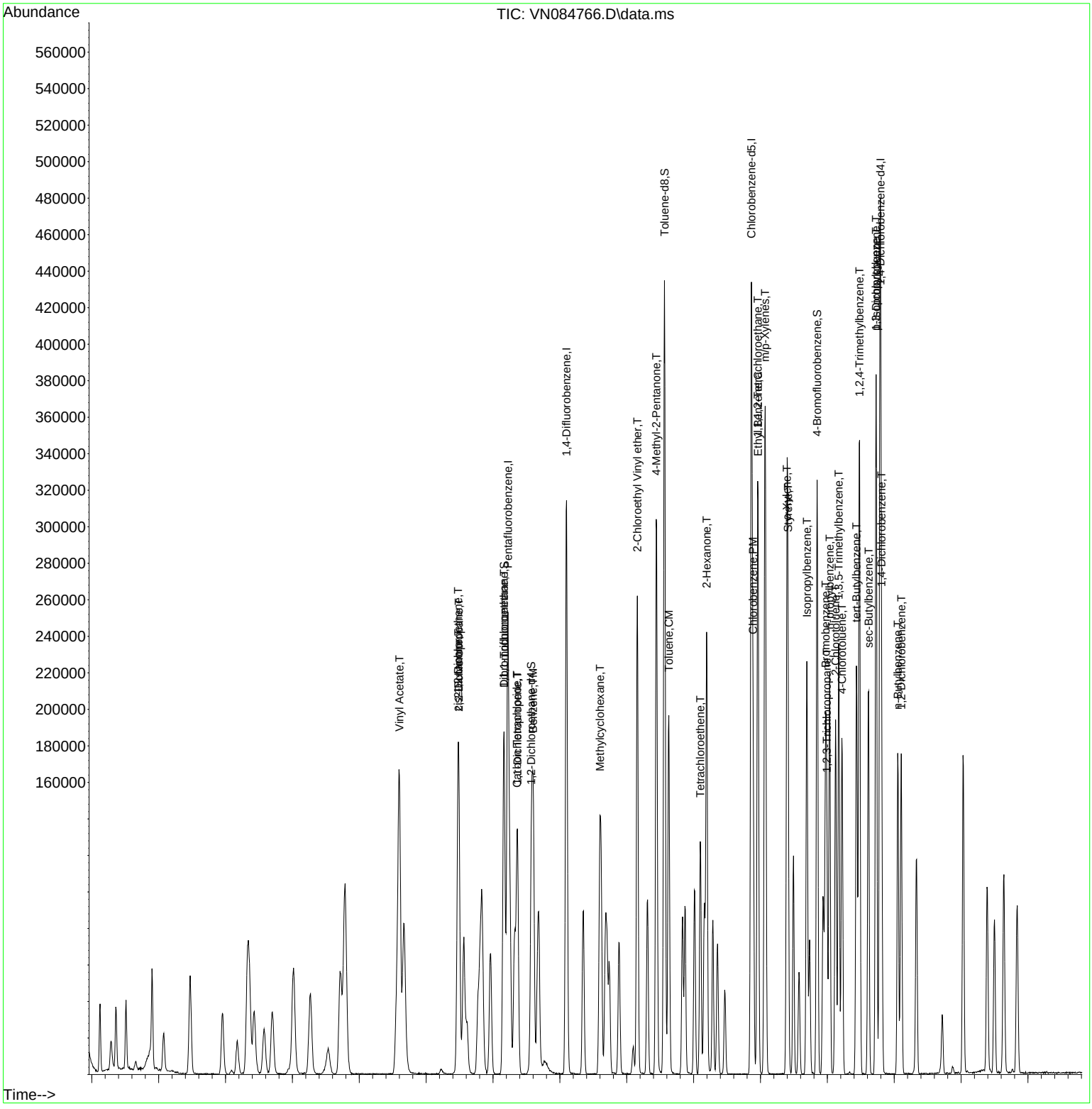
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

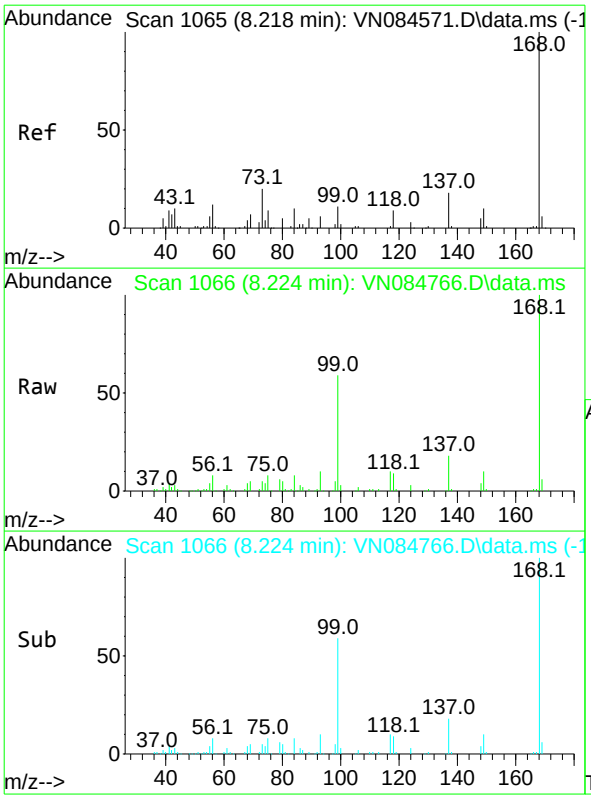
Quant Time: Nov 12 04:51:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

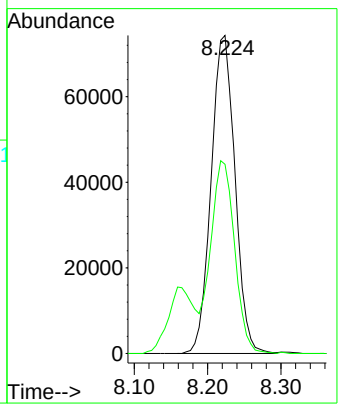




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:168 Resp: 167933

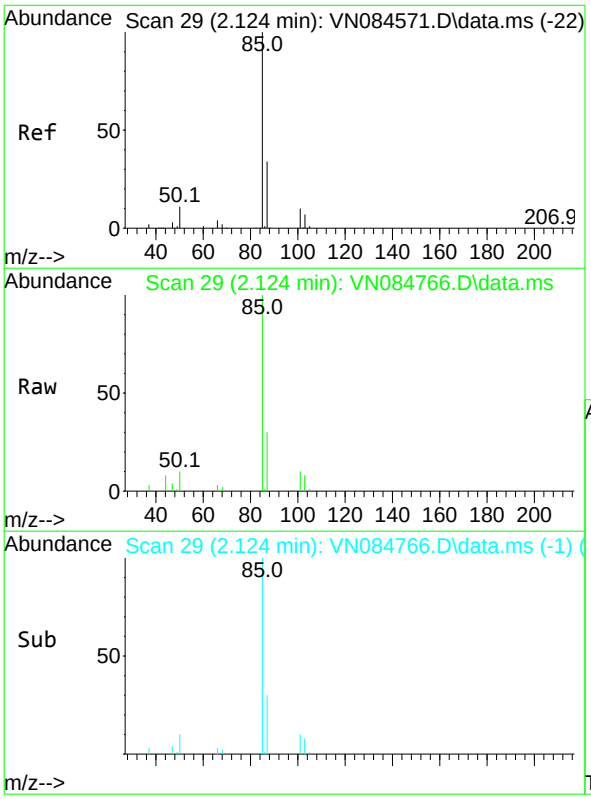
Ion	Ratio	Lower	Upper
168	100		
99	59.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

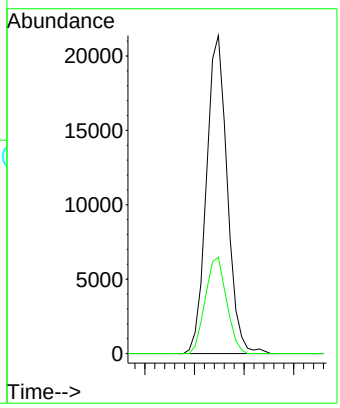
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

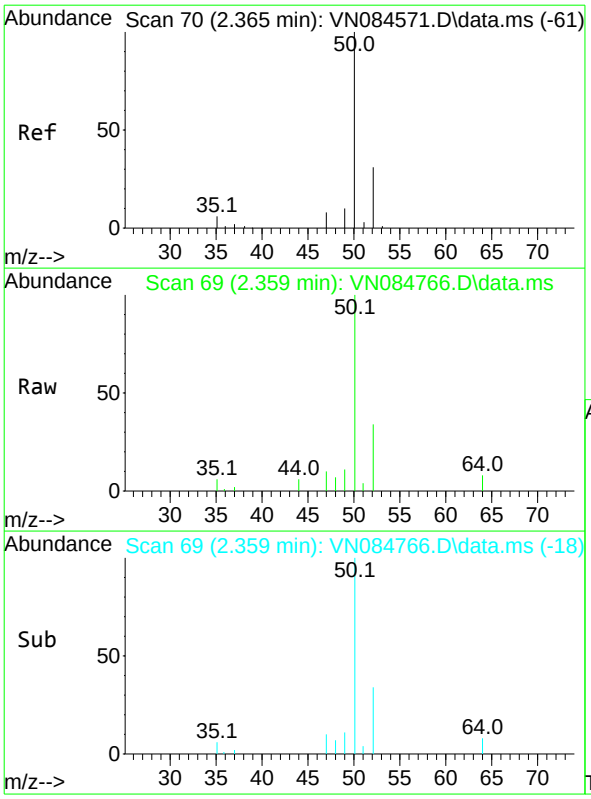


#2
Dichlorodifluoromethane
Concen: 16.119 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 85 Resp: 31118

Ion	Ratio	Lower	Upper
85	100		
87	30.3	17.6	52.9

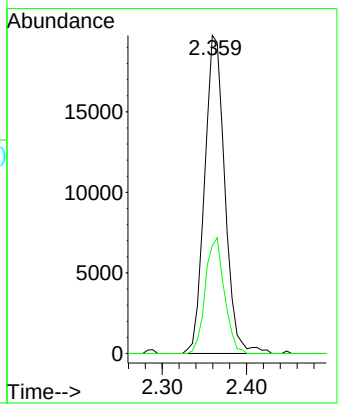




#3
Chloromethane
Concen: 12.638 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 50 Resp: 32895

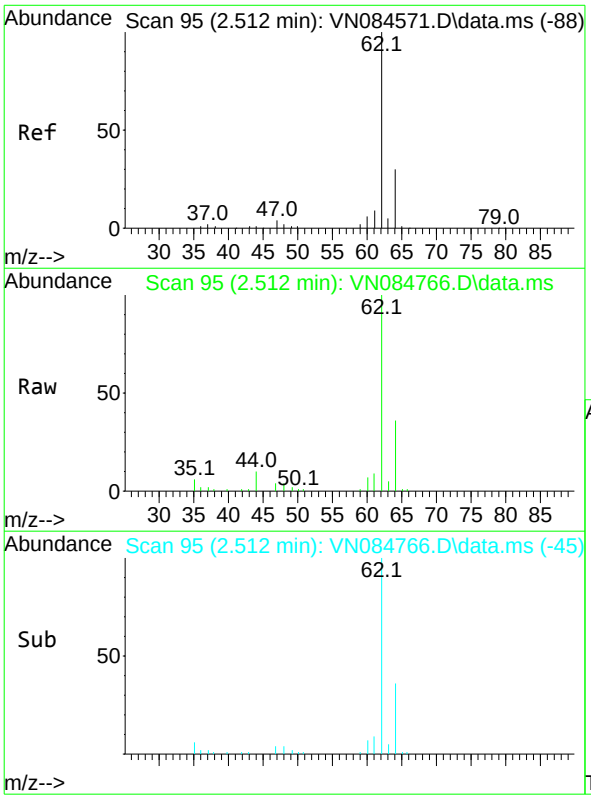
Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

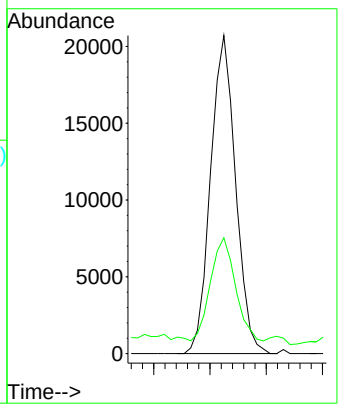
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

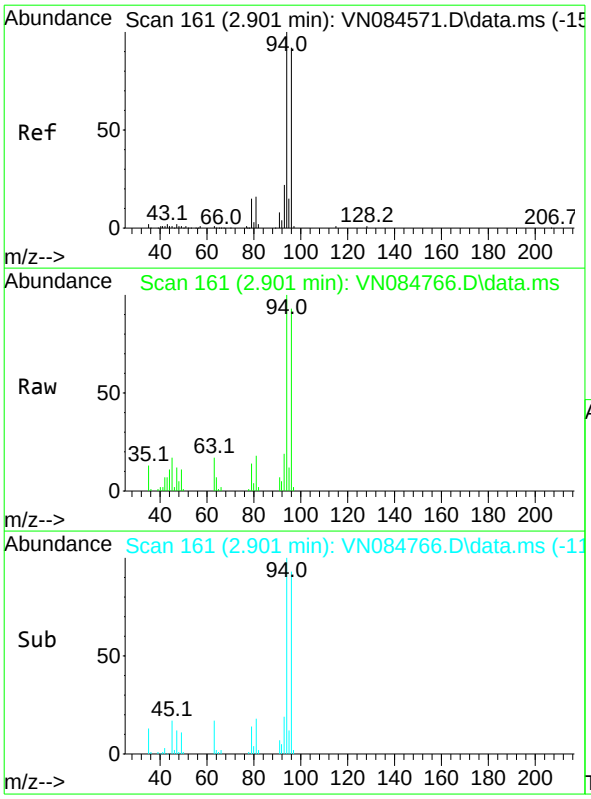


#4
Vinyl Chloride
Concen: 15.406 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 62 Resp: 31989

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.4

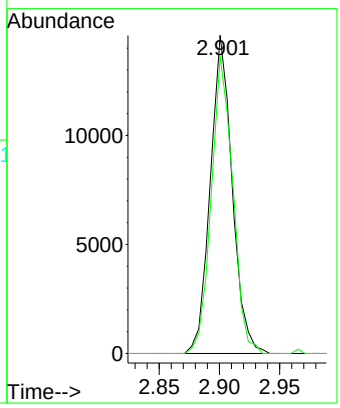




#5
Bromomethane
Concen: 16.757 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 94 Resp: 18435

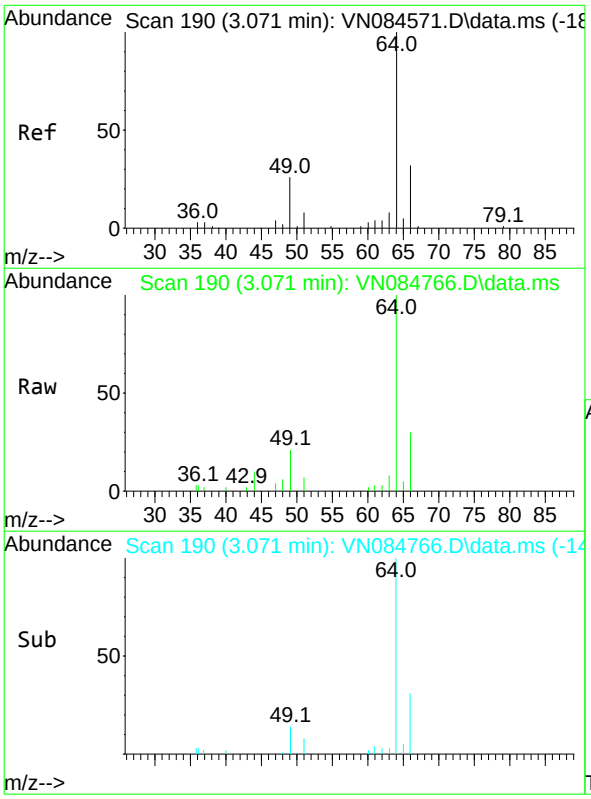
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

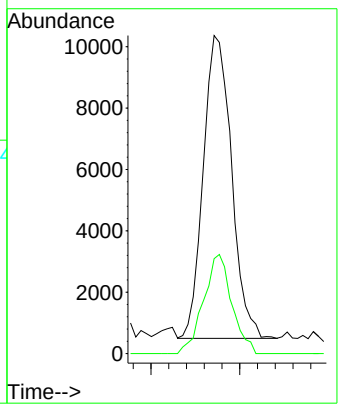
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

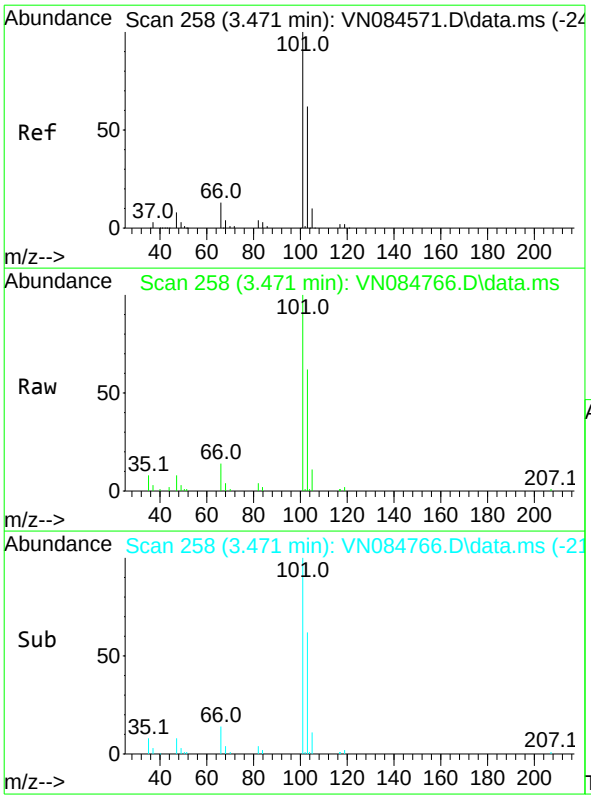


#6
Chloroethane
Concen: 16.041 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 64 Resp: 21835

Ion	Ratio	Lower	Upper
64	100		
66	31.3	23.5	35.3

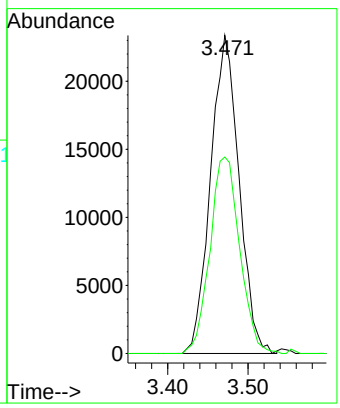




#7
Trichlorofluoromethane
Concen: 16.834 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:101 Resp: 57579

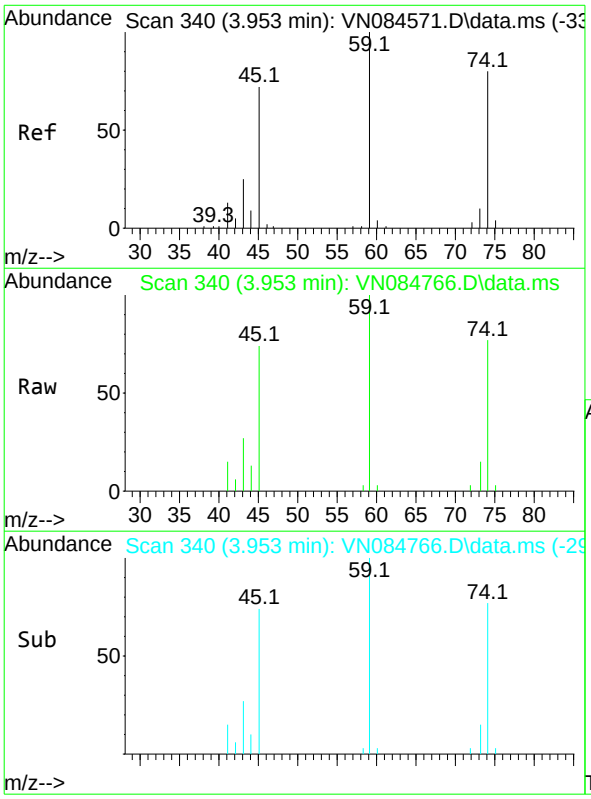
Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

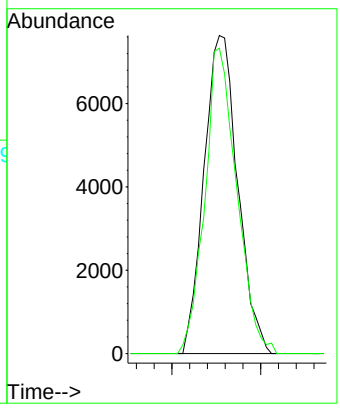
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

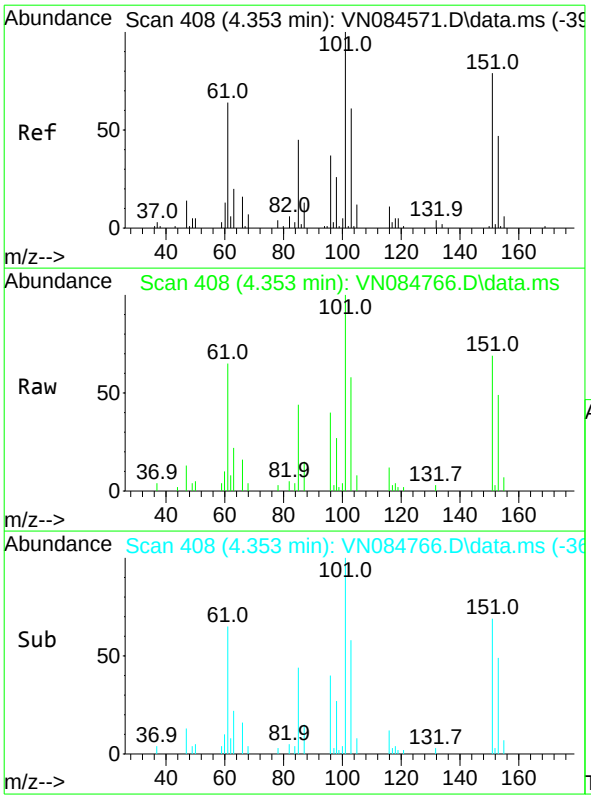


#8
Diethyl Ether
Concen: 16.676 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 74 Resp: 20121

Ion	Ratio	Lower	Upper
74	100		
45	91.1	47.7	143.1

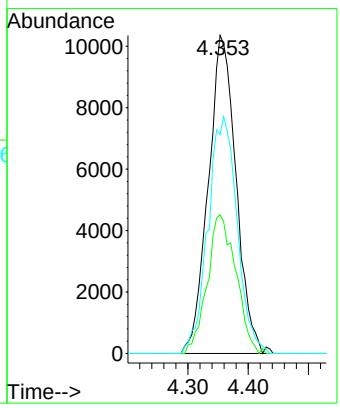




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.170 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:101 Resp: 33184

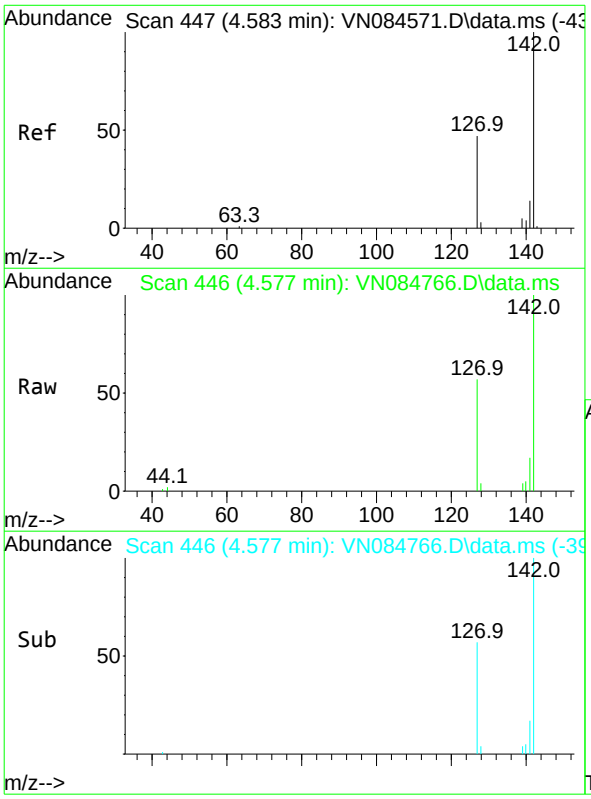
Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	78.0	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

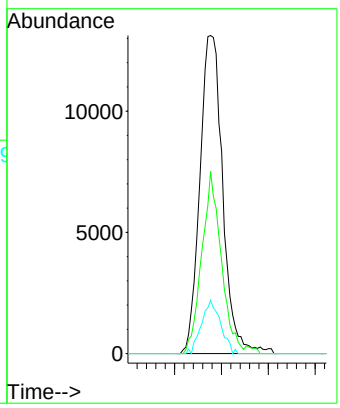
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

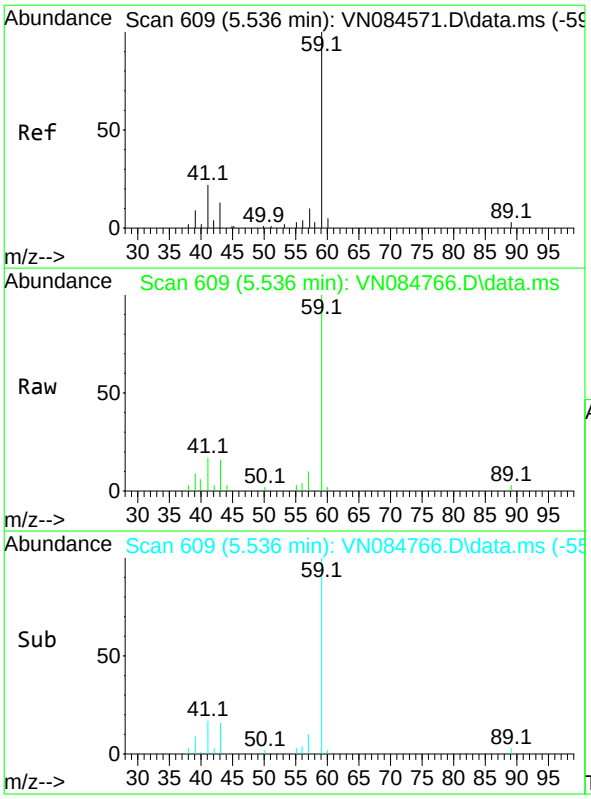


#10
Methyl Iodide
Concen: 17.233 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:142 Resp: 44513

Ion	Ratio	Lower	Upper
142	100		
127	57.2	35.3	52.9#
141	16.8	11.0	16.6#





#11
Tert butyl alcohol
Concen: 84.542 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

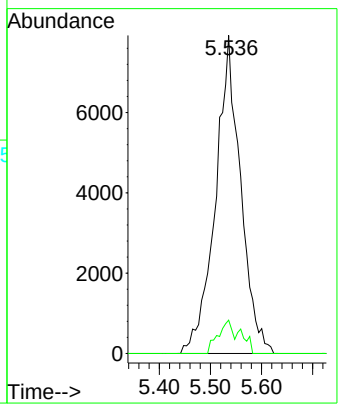
Tgt Ion: 59 Resp: 27067

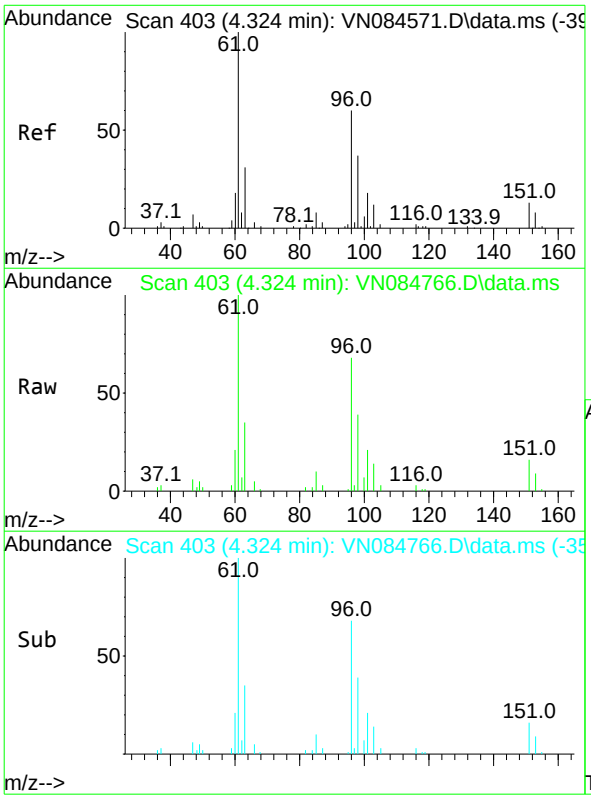
Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.2	12.2#

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

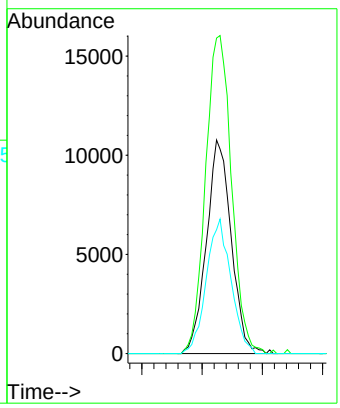


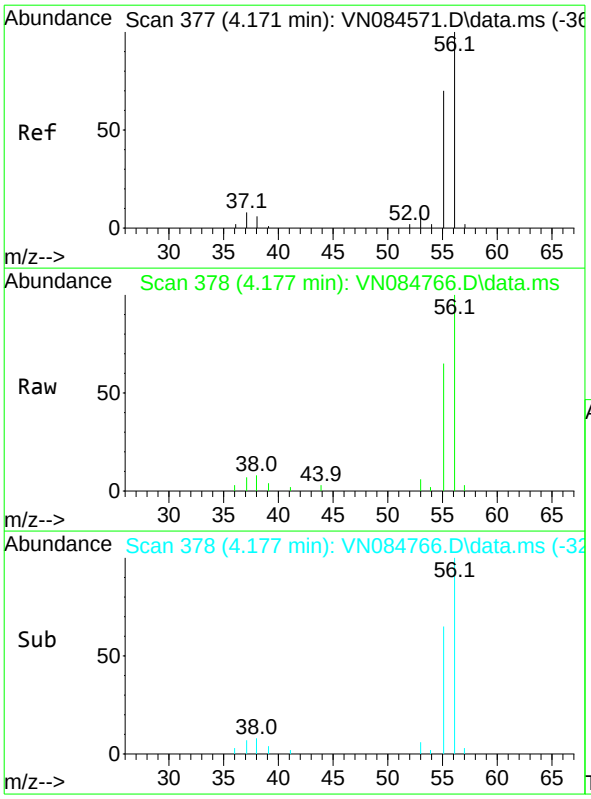


#12
1,1-Dichloroethene
Concen: 16.128 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 96 Resp: 30844

Ion	Ratio	Lower	Upper
96	100		
61	147.7	128.6	192.8
98	58.0	51.7	77.5

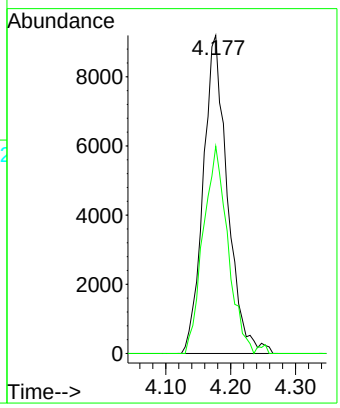




#13
Acrolein
Concen: 74.746 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 56 Resp: 23863

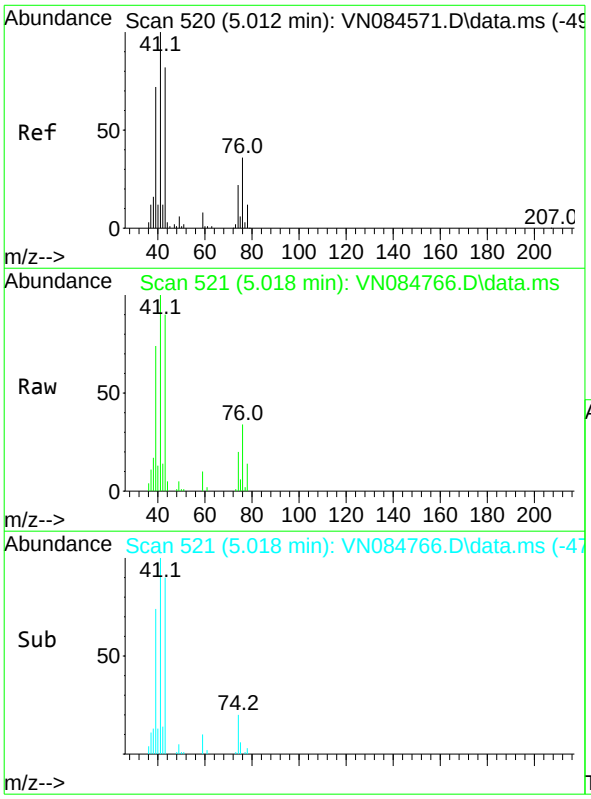
Ion	Ratio	Lower	Upper
56	100		
55	66.0	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

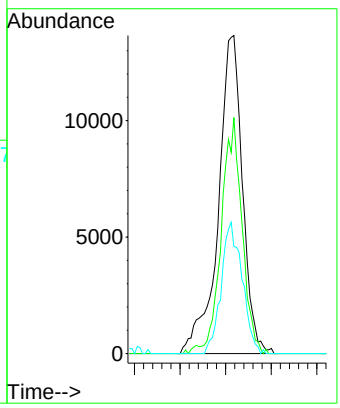
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

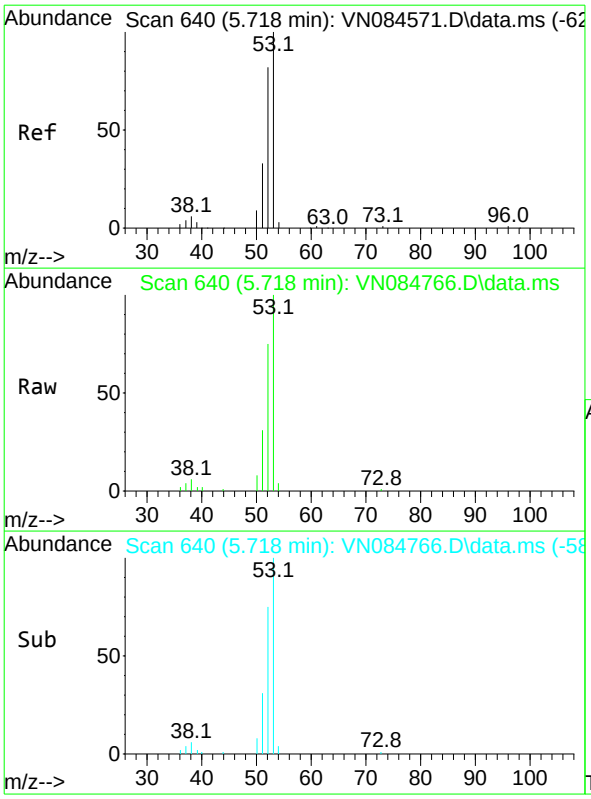


#14
Allyl chloride
Concen: 16.236 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 41 Resp: 50354

Ion	Ratio	Lower	Upper
41	100		
39	63.5	59.0	88.6
76	35.6	29.8	44.6

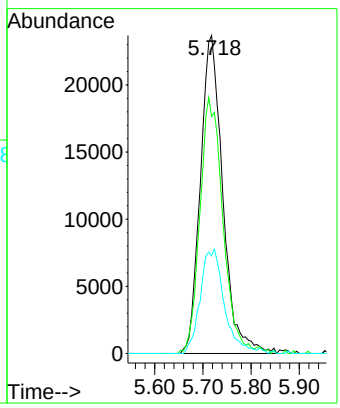




#15
Acrylonitrile
Concen: 82.528 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 53 Resp: 76491

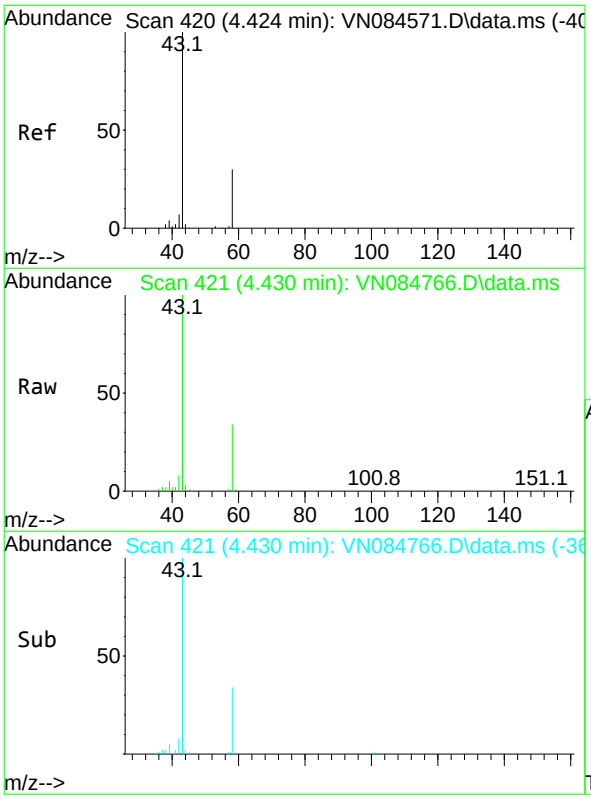
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.1	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

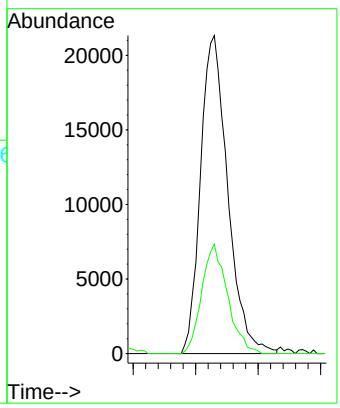
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

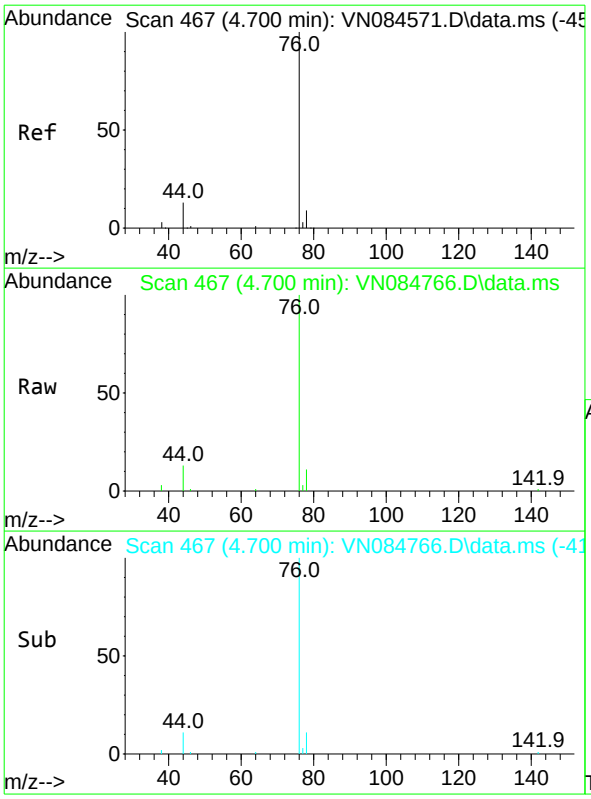


#16
Acetone
Concen: 90.240 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 64503

Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.4	36.6

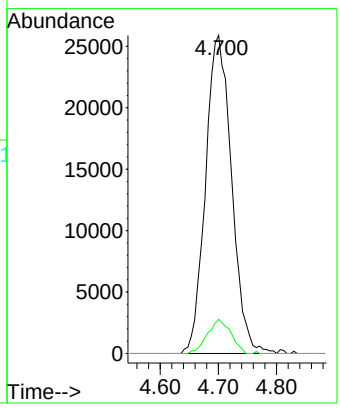




#17
Carbon Disulfide
Concen: 13.672 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 76 Resp: 80517

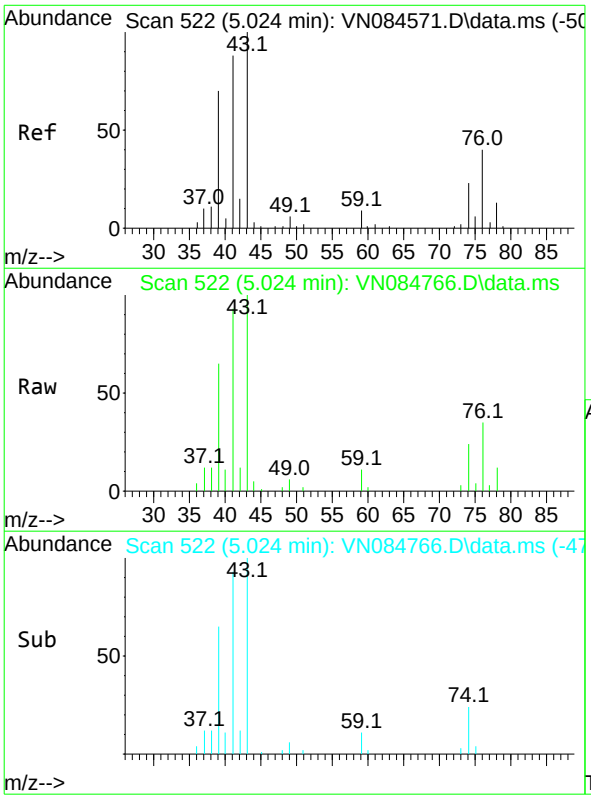
Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

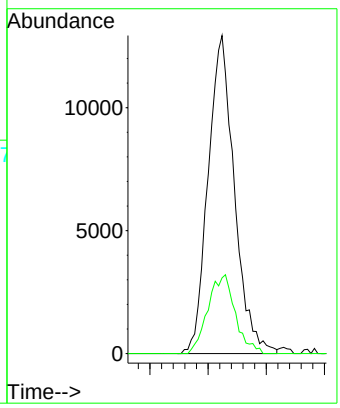
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

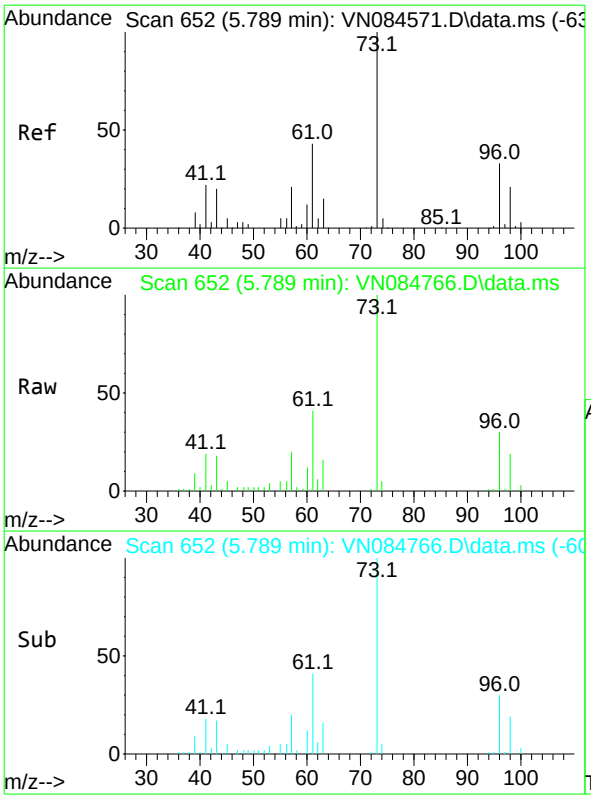


#18
Methyl Acetate
Concen: 12.914 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 40630

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.2	28.8

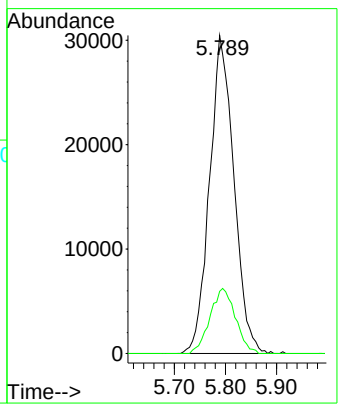




#19
Methyl tert-butyl Ether
Concen: 17.196 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 73 Resp: 100798

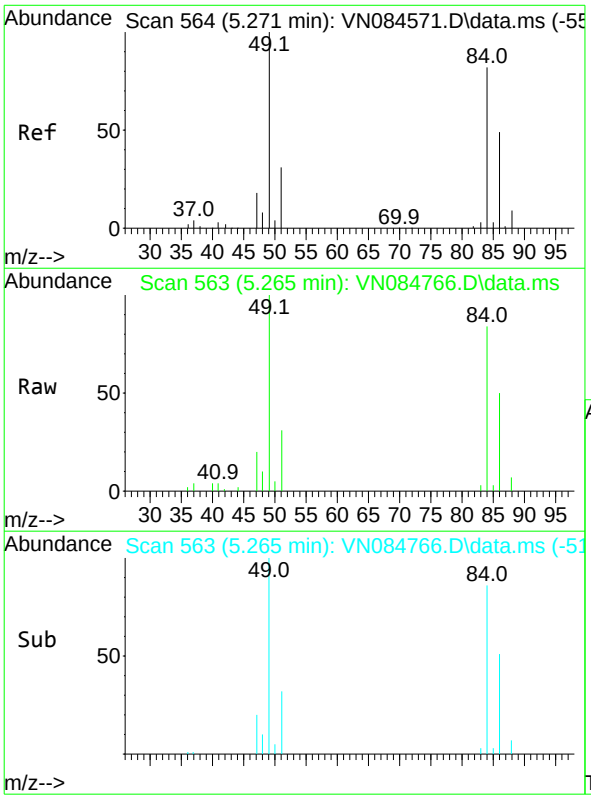
Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

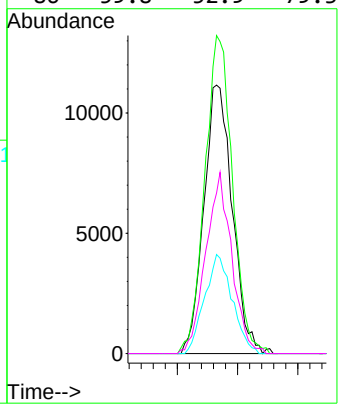
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

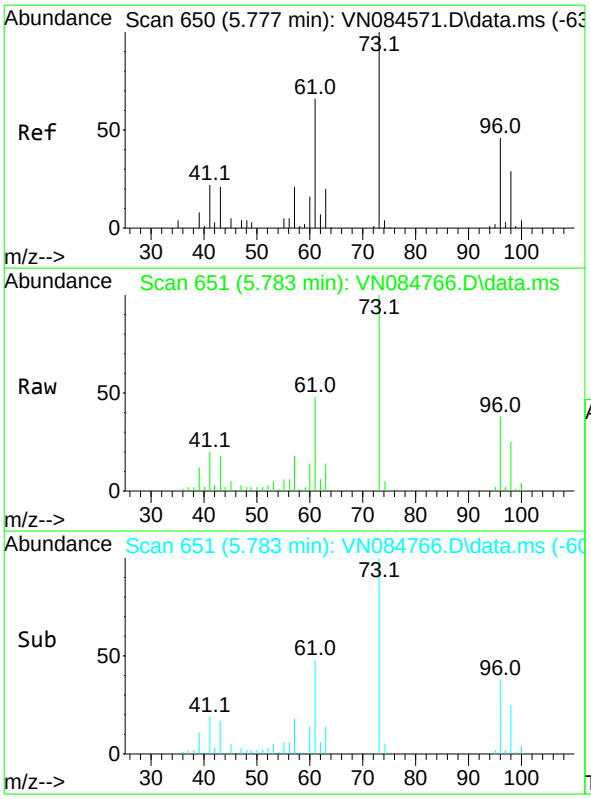


#20
Methylene Chloride
Concen: 17.162 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 84 Resp: 36612

Ion	Ratio	Lower	Upper
84	100		
49	118.5	107.2	160.8
51	36.9	31.8	47.8
86	59.8	52.9	79.3

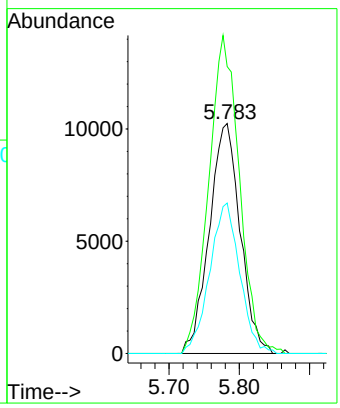




#21
trans-1,2-Dichloroethene
Concen: 15.906 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 96 Resp: 31234

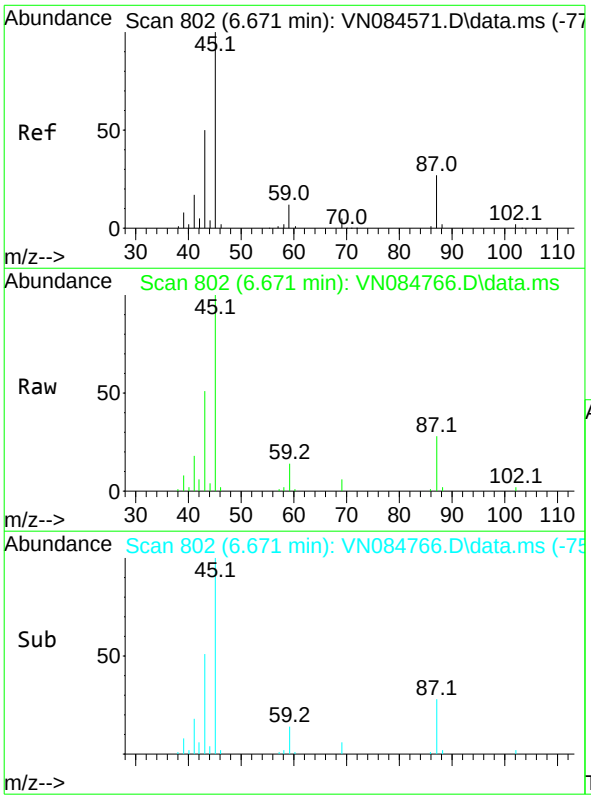
Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	65.4	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

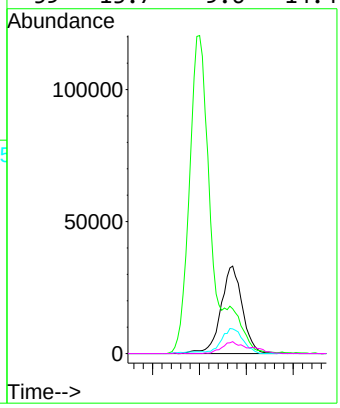
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

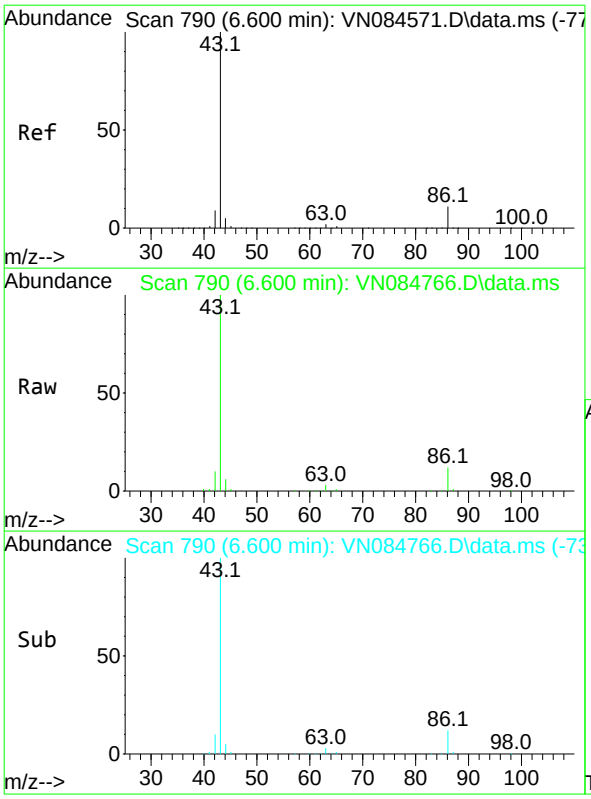


#22
Diisopropyl ether
Concen: 17.068 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 45 Resp: 105182

Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.3	63.5
87	28.2	21.8	32.6
59	13.7	9.6	14.4

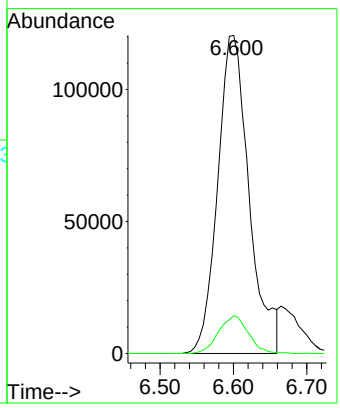




#23
Vinyl Acetate
Concen: 84.444 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 358872

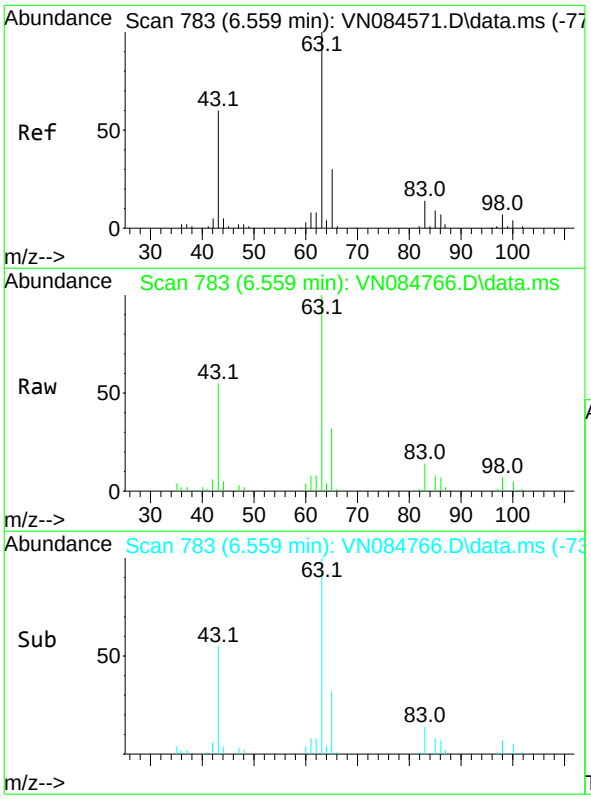
Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

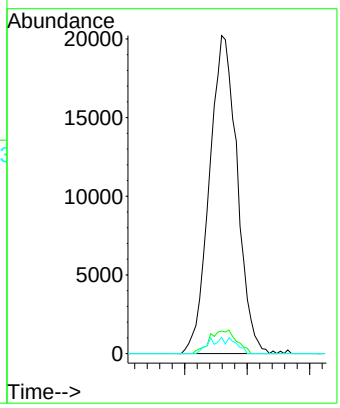
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

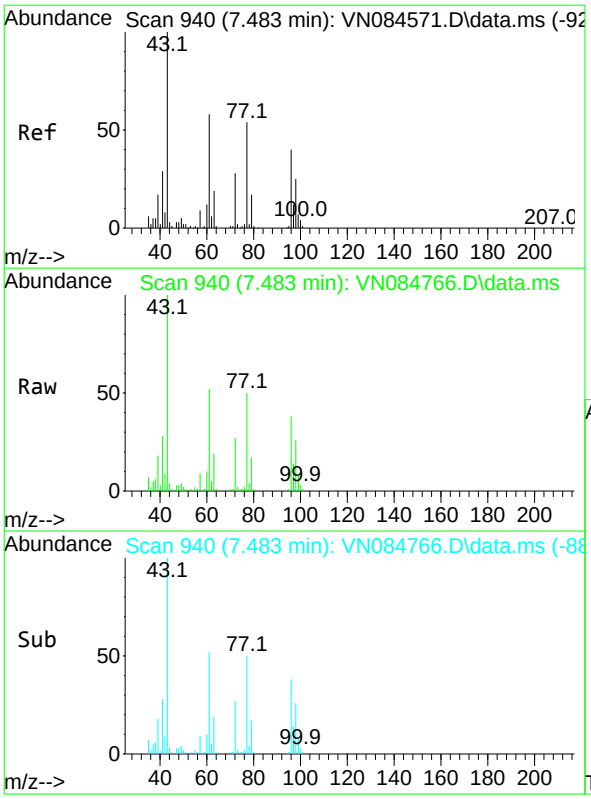


#24
1,1-Dichloroethane
Concen: 16.868 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 63 Resp: 62411

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	5.1	2.0	5.8

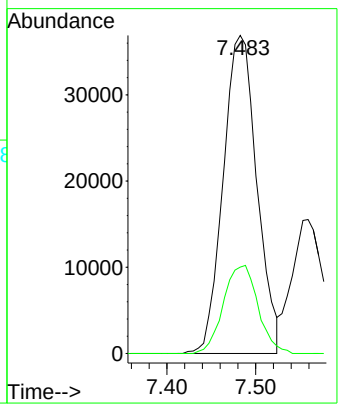




#25
2-Butanone
Concen: 86.101 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 97431

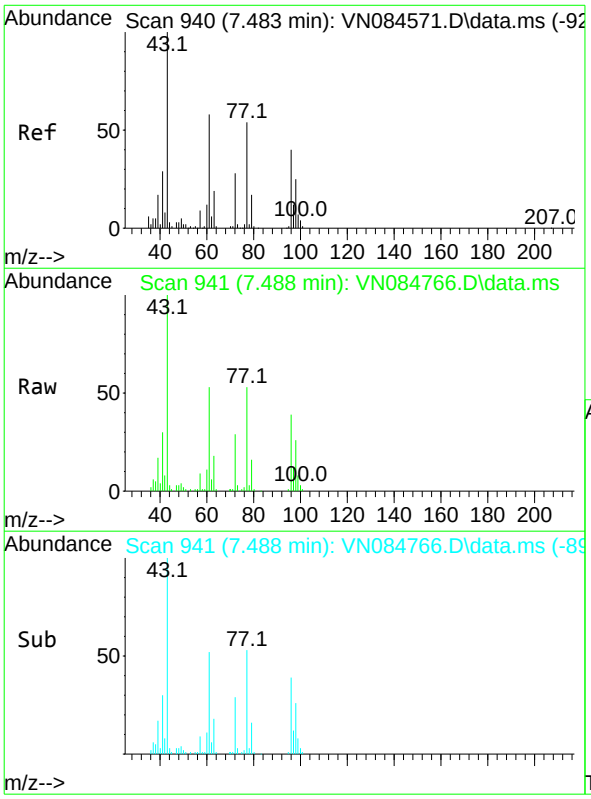
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

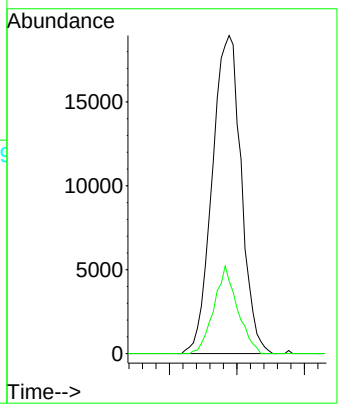
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

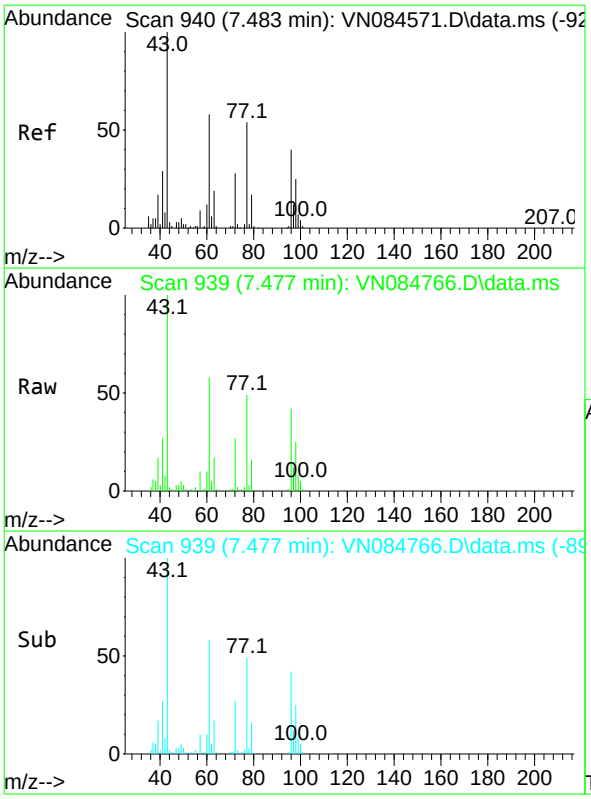


#26
2,2-Dichloropropane
Concen: 17.517 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 77 Resp: 56410

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

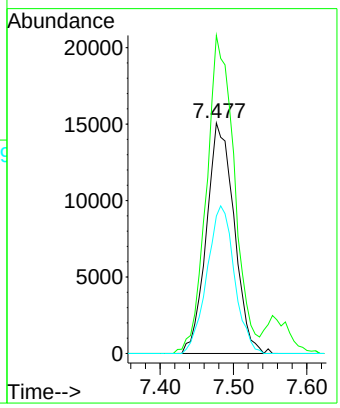




#27
cis-1,2-Dichloroethene
Concen: 17.181 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 96 Resp: 39395

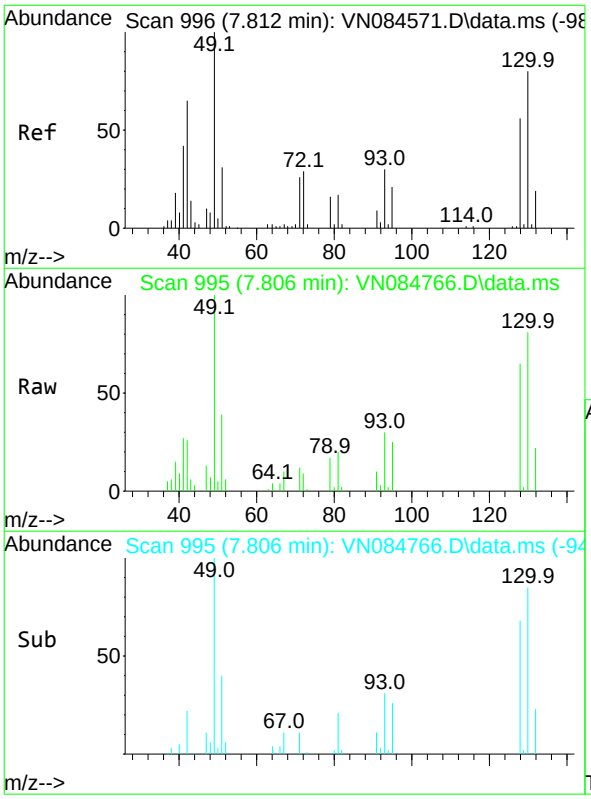
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

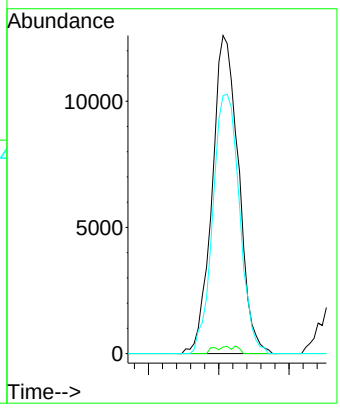
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

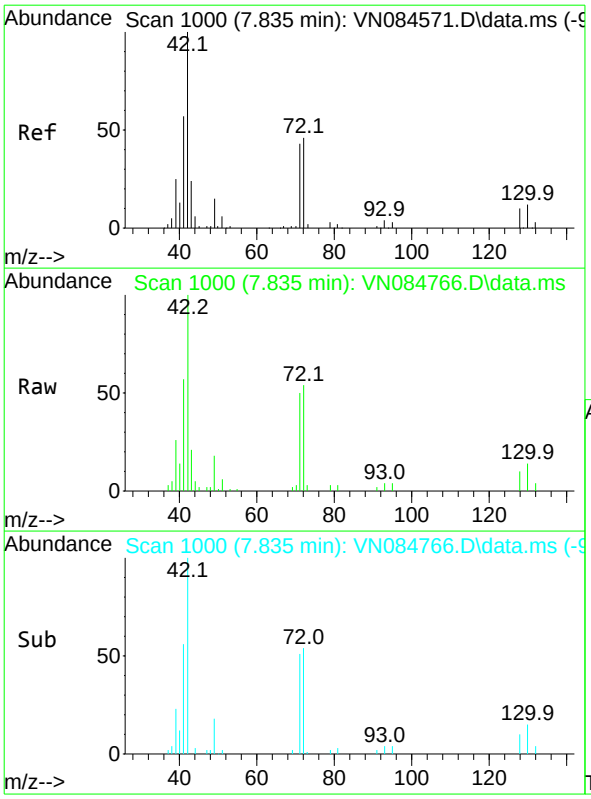


#28
Bromochloromethane
Concen: 22.346 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 49 Resp: 32939

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	82.3	58.0	87.0

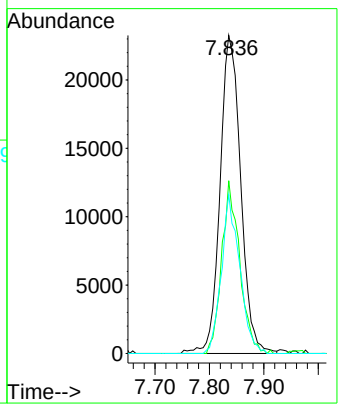




#29
Tetrahydrofuran
Concen: 81.769 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 42 Resp: 61385

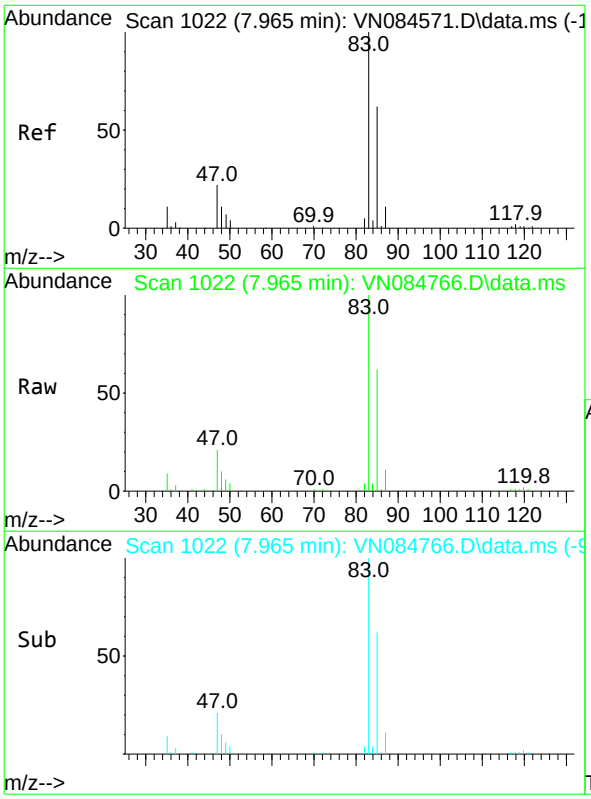
Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	44.2	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

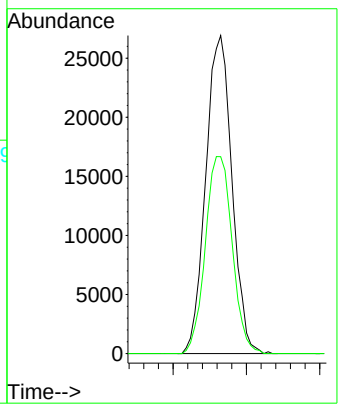
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

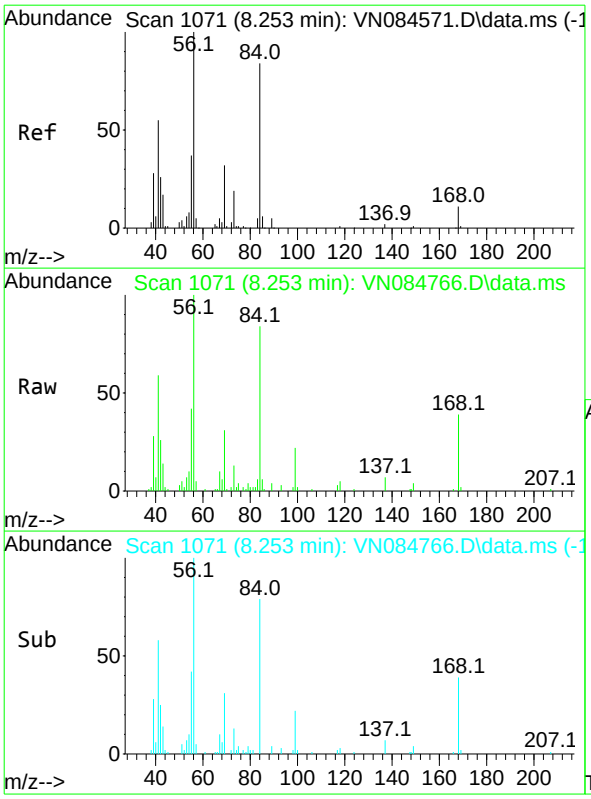


#30
Chloroform
Concen: 17.749 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 83 Resp: 66840

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4

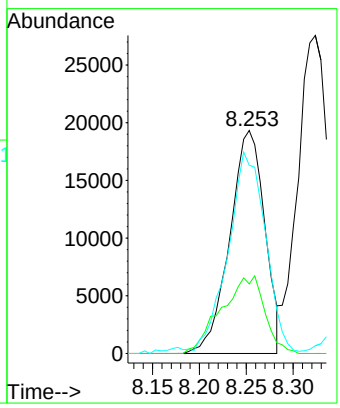




#31
Cyclohexane
Concen: 14.976 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 56 Resp: 50151

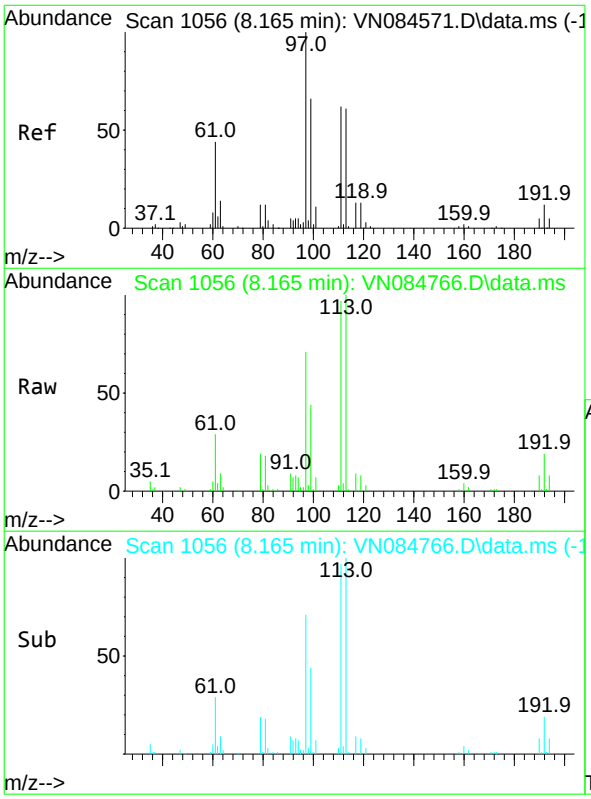
Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	81.7	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

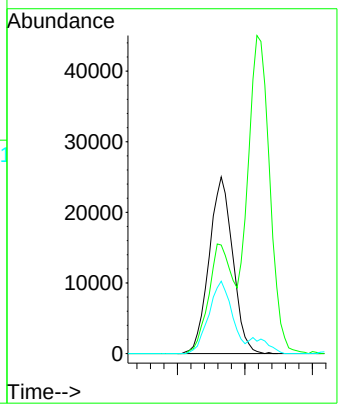
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

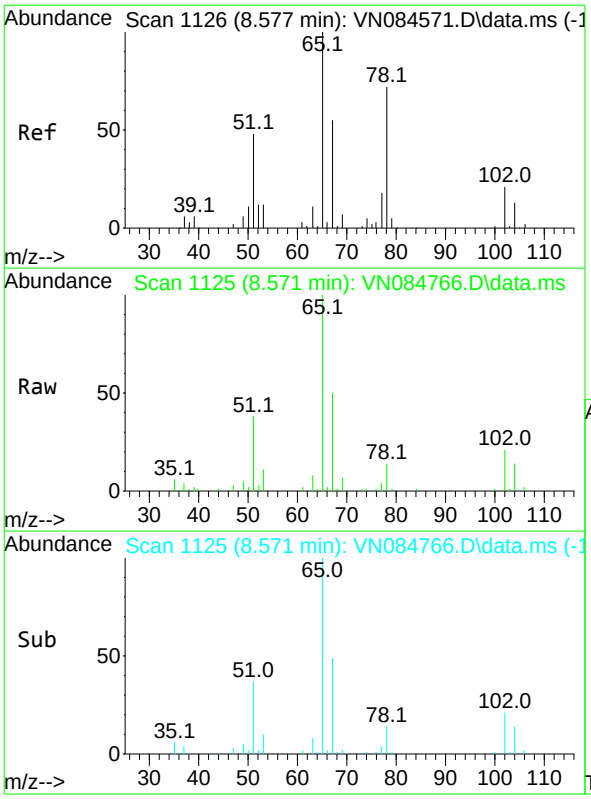


#32
1,1,1-Trichloroethane
Concen: 17.776 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 97 Resp: 60929

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	40.5	37.5	56.3

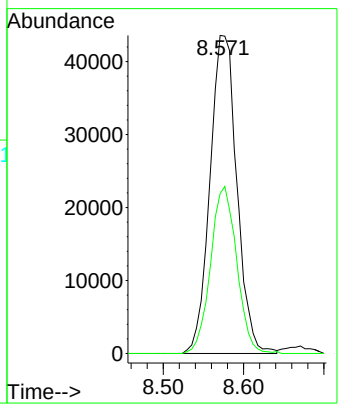




#33
1,2-Dichloroethane-d4
Concen: 41.822 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 65 Resp: 101440

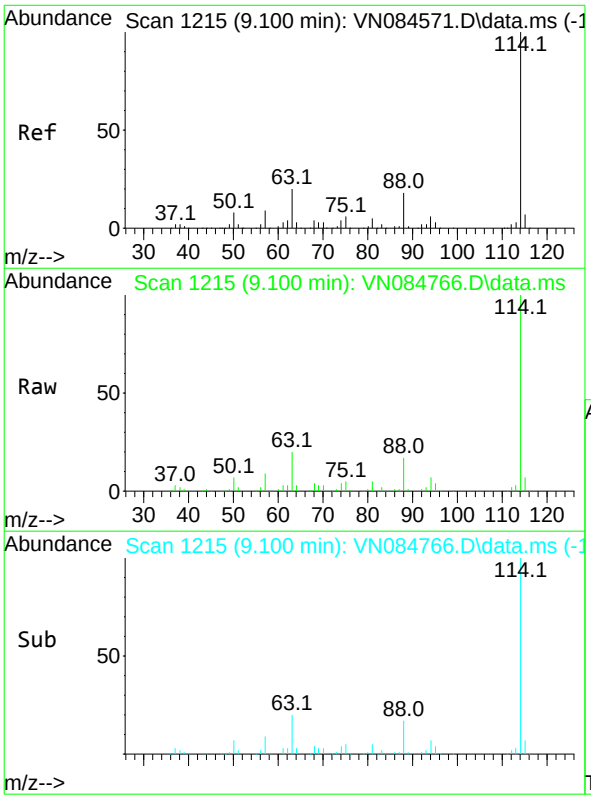
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

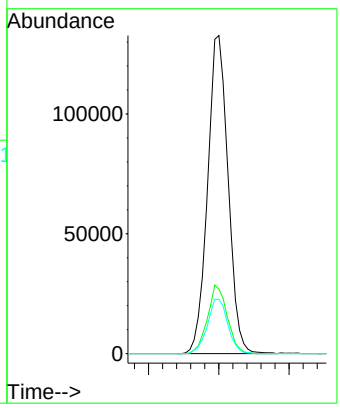
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

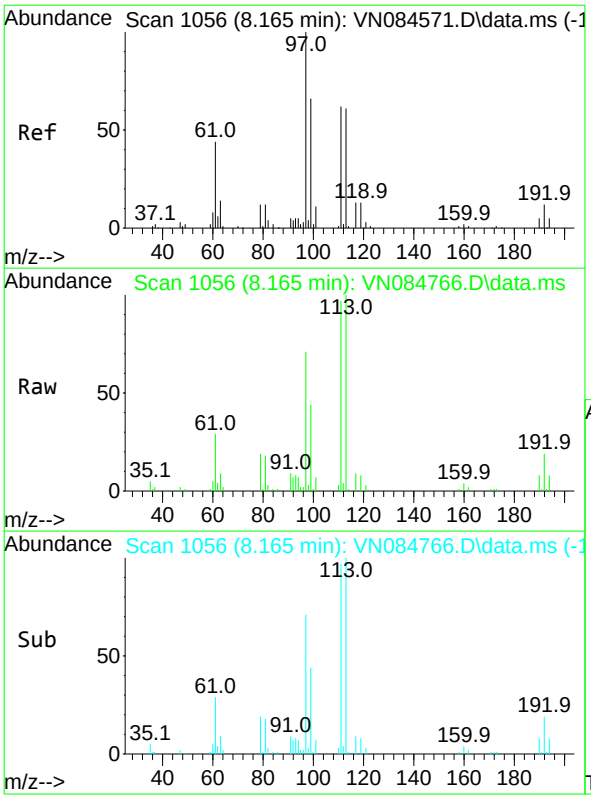


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:114 Resp: 269161

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.0	0.0	31.6

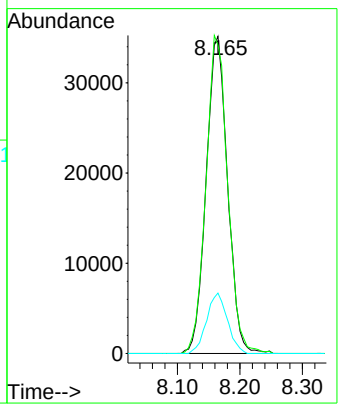




#35
Dibromofluoromethane
Concen: 46.014 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:113 Resp: 83832

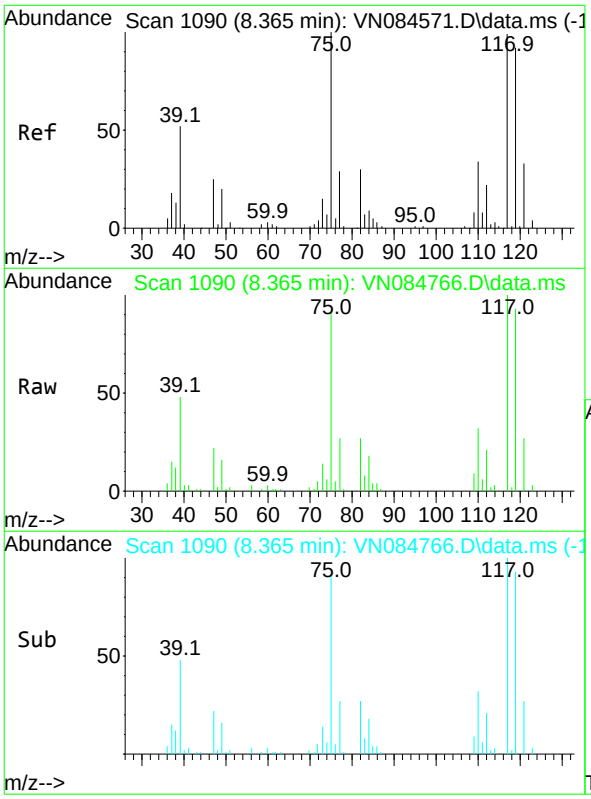
Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	18.5	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

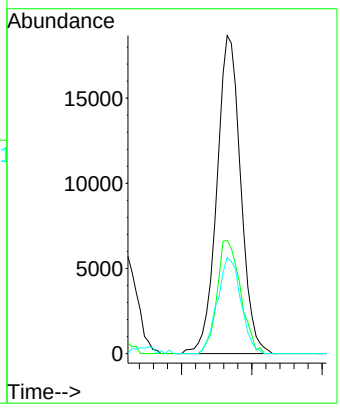
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

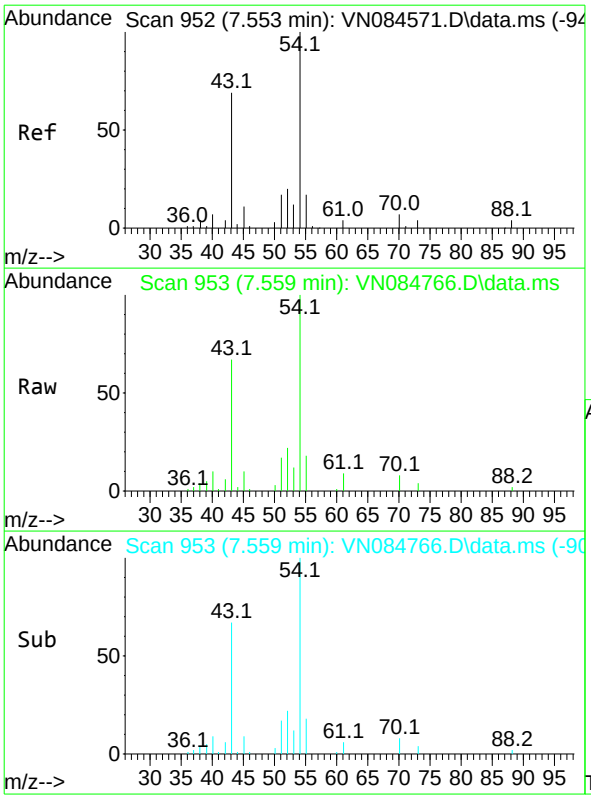


#36
1,1-Dichloropropene
Concen: 17.398 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 43961

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	29.8	24.7	37.1

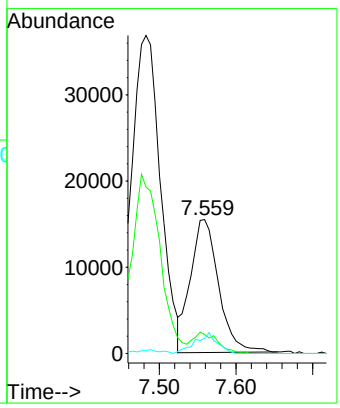




#37
Ethyl Acetate
Concen: 17.258 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 39564

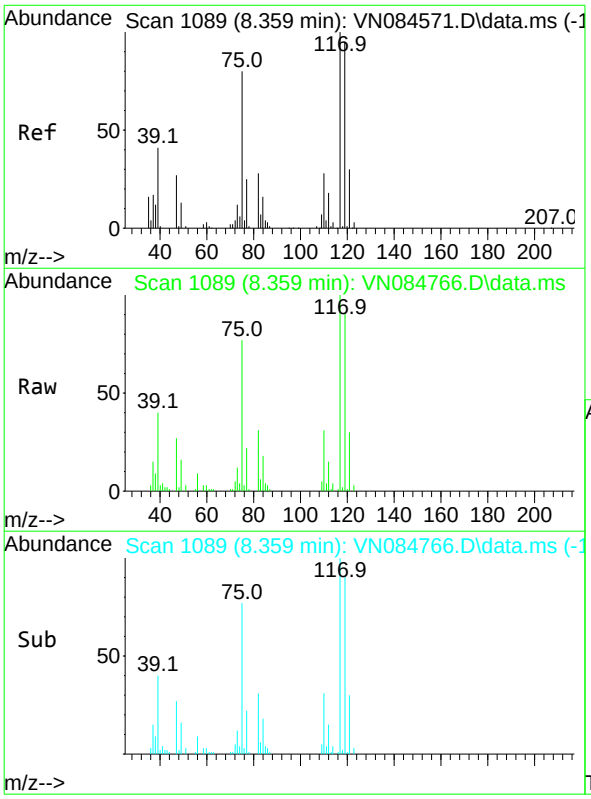
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	12.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

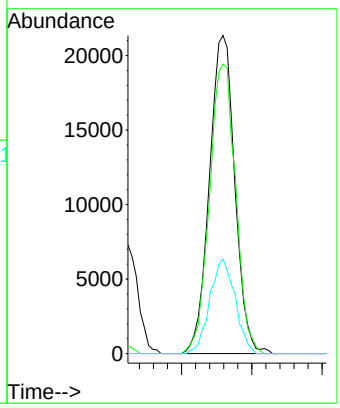
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

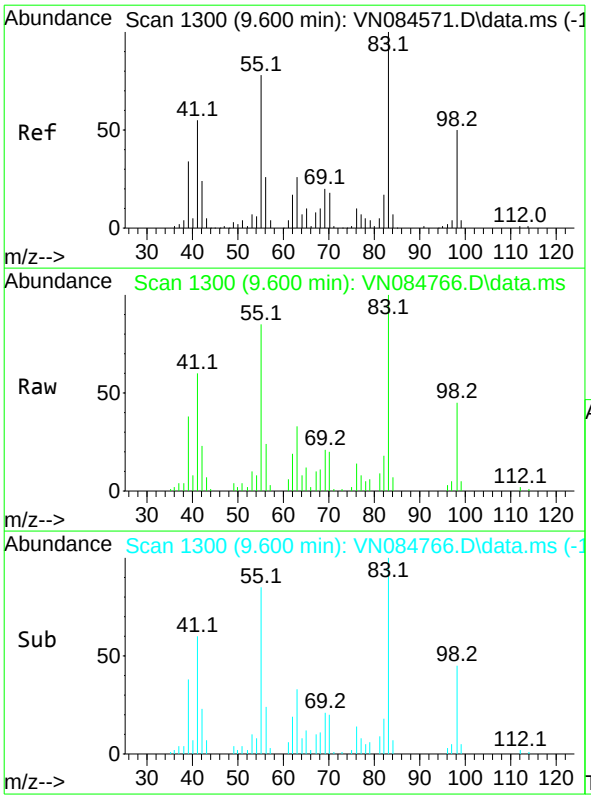


#38
Carbon Tetrachloride
Concen: 18.962 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:117 Resp: 53552

Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.7	118.1
121	29.7	24.4	36.6

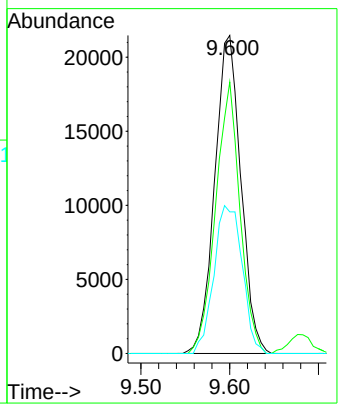




#39
Methylcyclohexane
Concen: 17.130 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 83 Resp: 44034

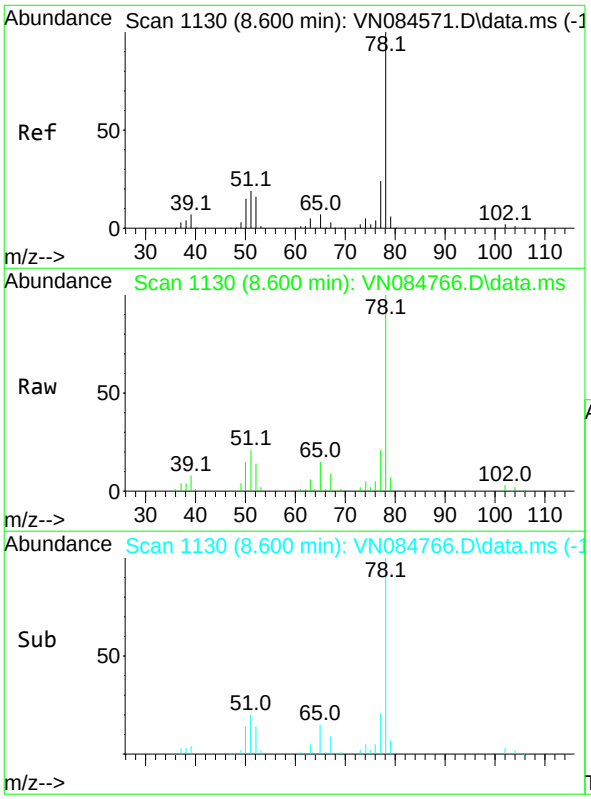
Ion	Ratio	Lower	Upper
83	100		
55	85.4	62.8	94.2
98	44.5	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

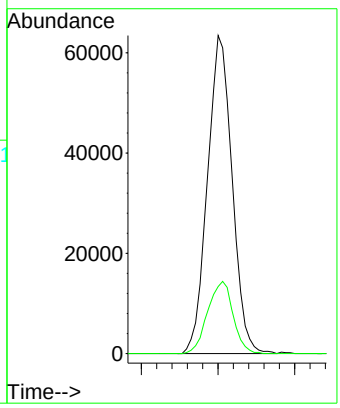
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

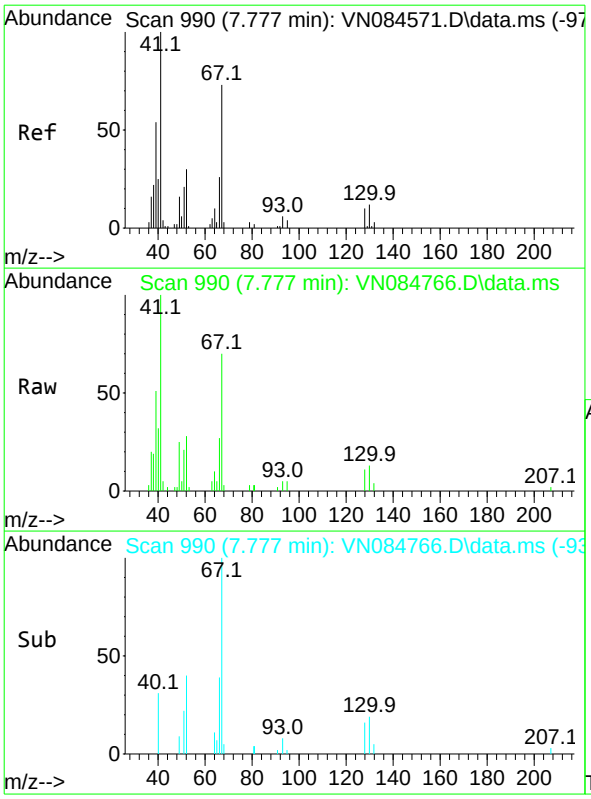


#40
Benzene
Concen: 17.475 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 78 Resp: 141800

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7

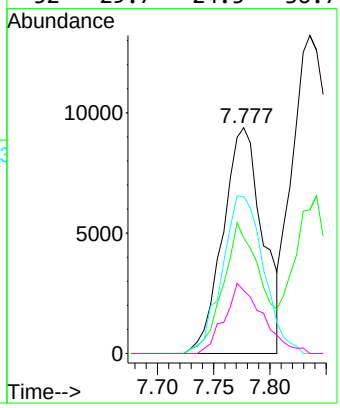




#41
Methacrylonitrile
Concen: 18.711 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 41 Resp: 23067

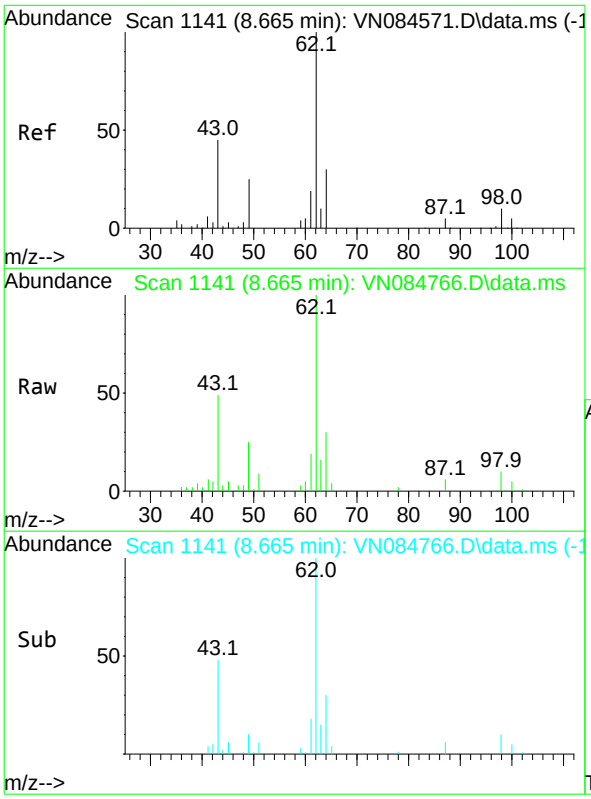
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	72.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

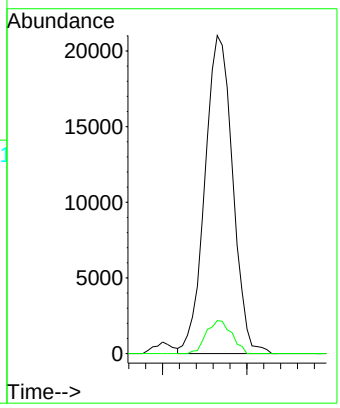
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

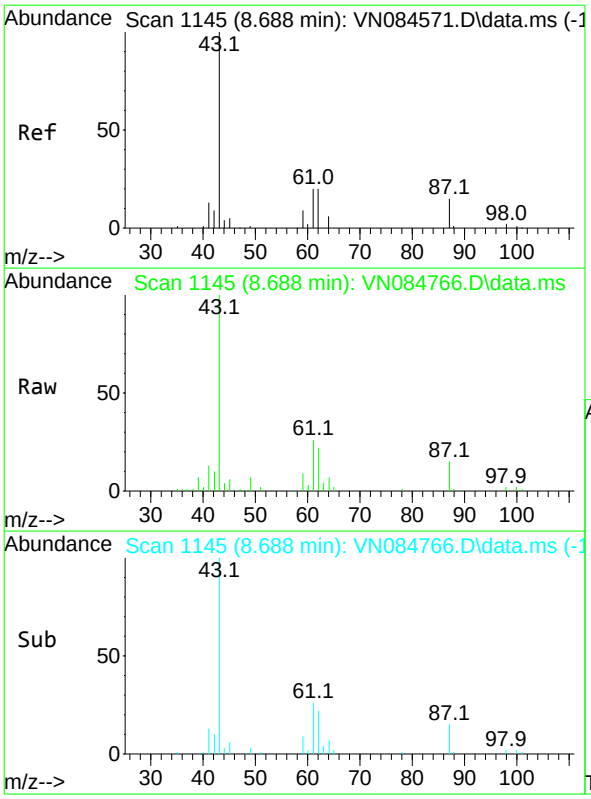


#42
1,2-Dichloroethane
Concen: 18.332 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 62 Resp: 48176

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 16.376 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

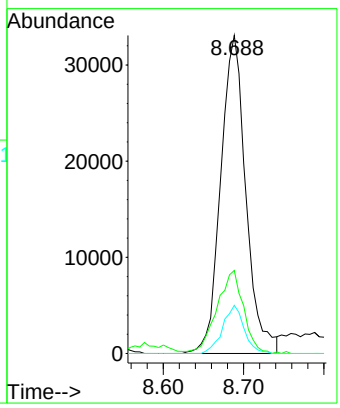
Tgt Ion: 43 Resp: 72107

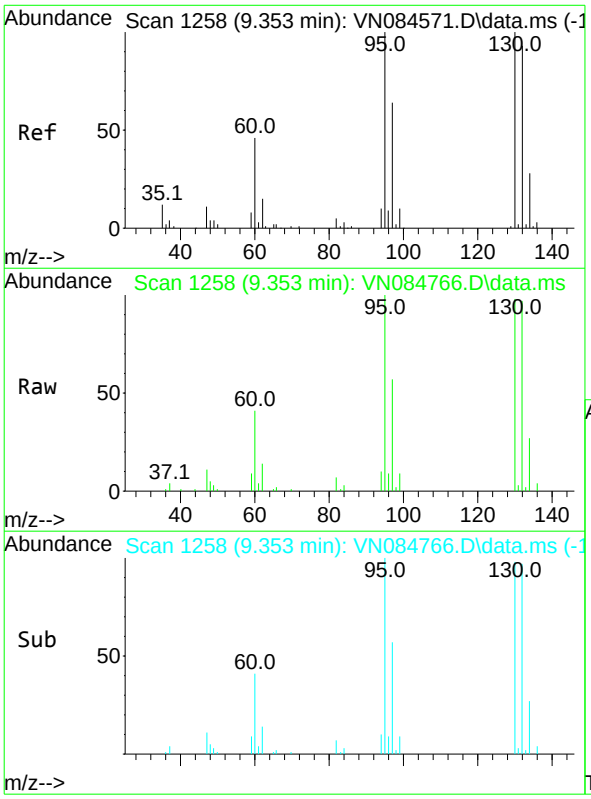
Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.4	30.6
87	12.9	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

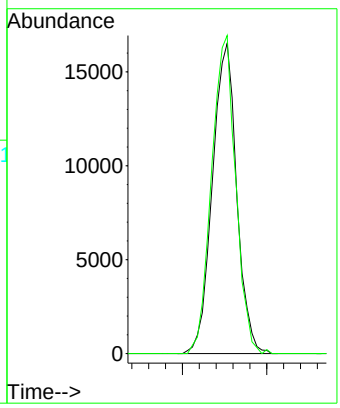


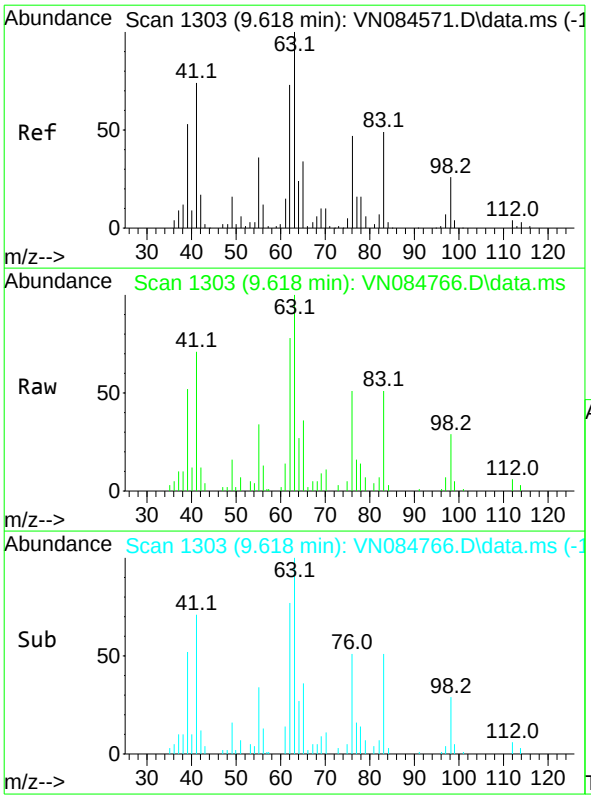


#44
Trichloroethene
Concen: 17.633 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:130 Resp: 32999

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.0

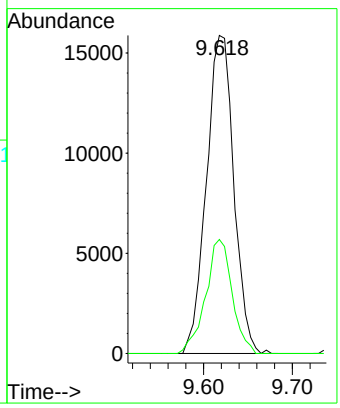




#45
1,2-Dichloropropane
Concen: 17.889 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 63 Resp: 34052

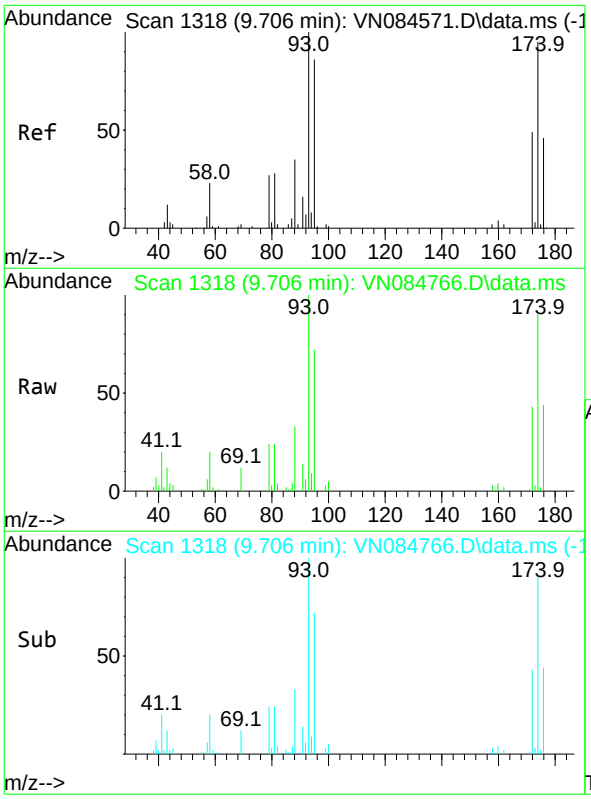
Ion	Ratio	Lower	Upper
63	100		
65	35.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

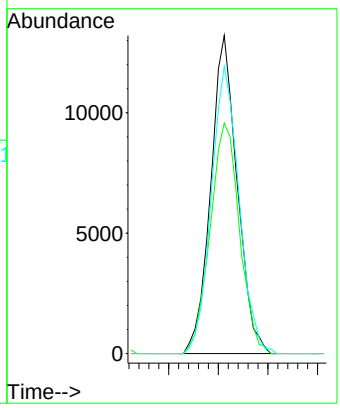
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

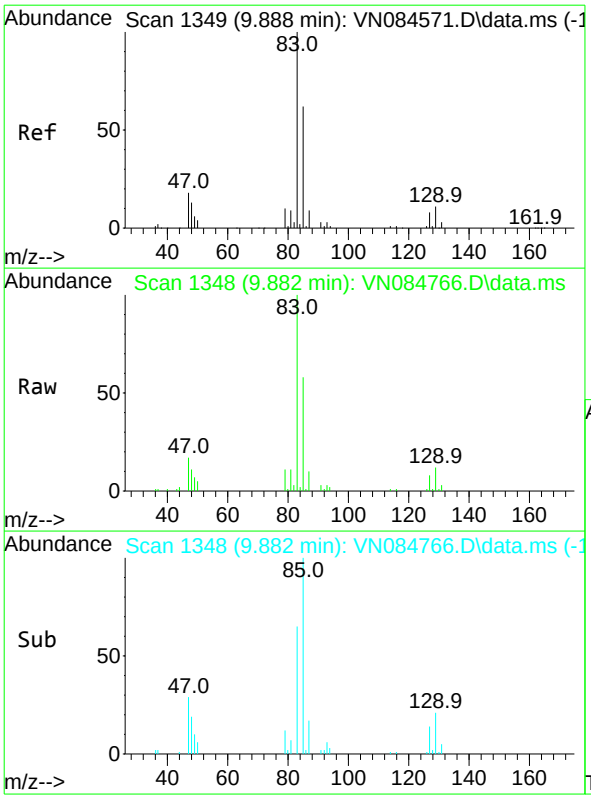


#46
Dibromomethane
Concen: 18.263 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 93 Resp: 24530

Ion	Ratio	Lower	Upper
93	100		
95	80.0	65.0	97.4
174	94.3	71.8	107.8

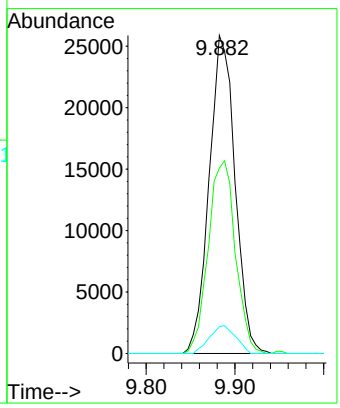




#47
Bromodichloromethane
Concen: 18.506 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 83 Resp: 52398

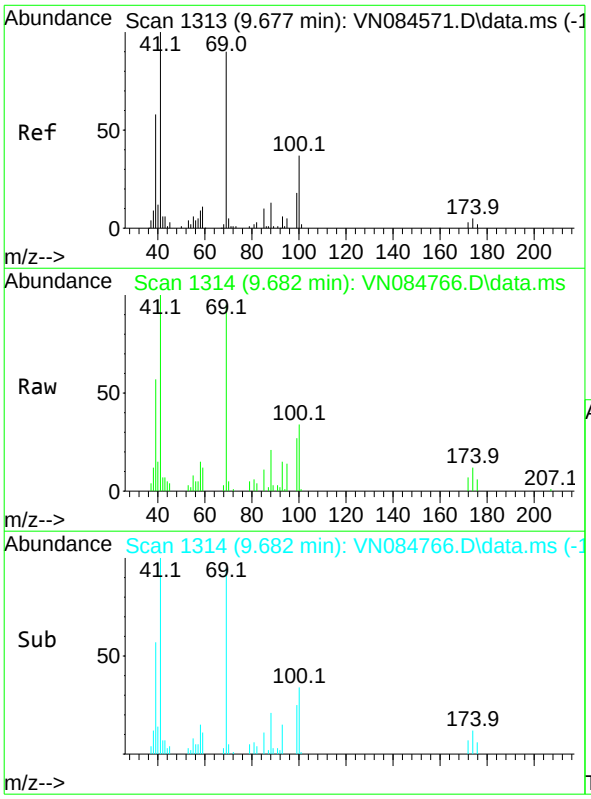
Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.5	77.3
127	8.4	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

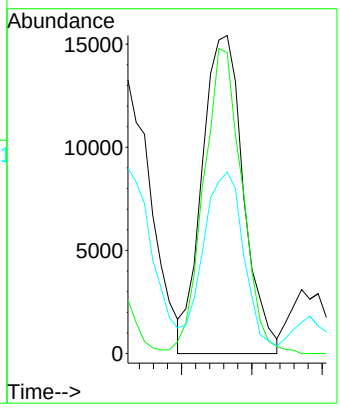
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

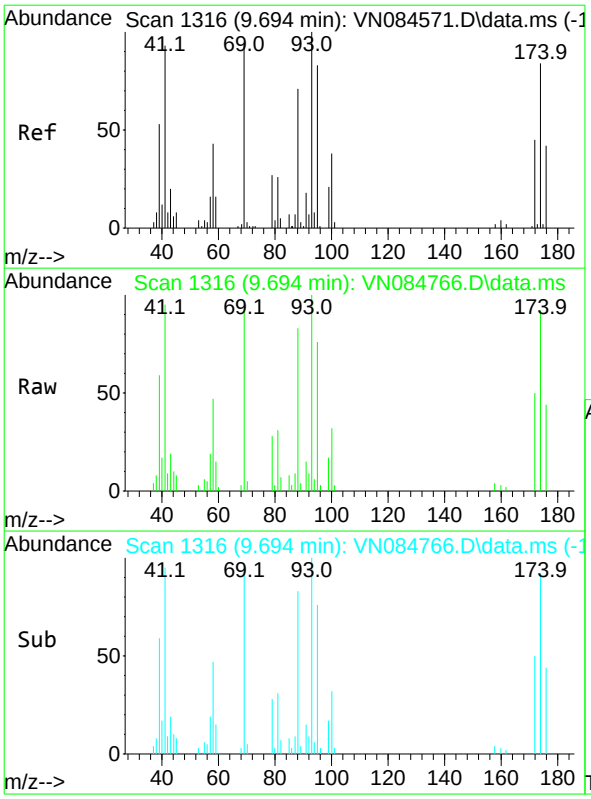


#48
Methyl methacrylate
Concen: 17.668 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 41 Resp: 31523

Ion	Ratio	Lower	Upper
41	100		
69	88.9	67.1	100.7
39	57.2	45.8	68.6

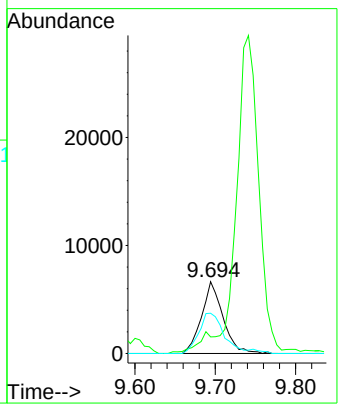




#49
1,4-Dioxane
Concen: 391.373 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 88 Resp: 12374

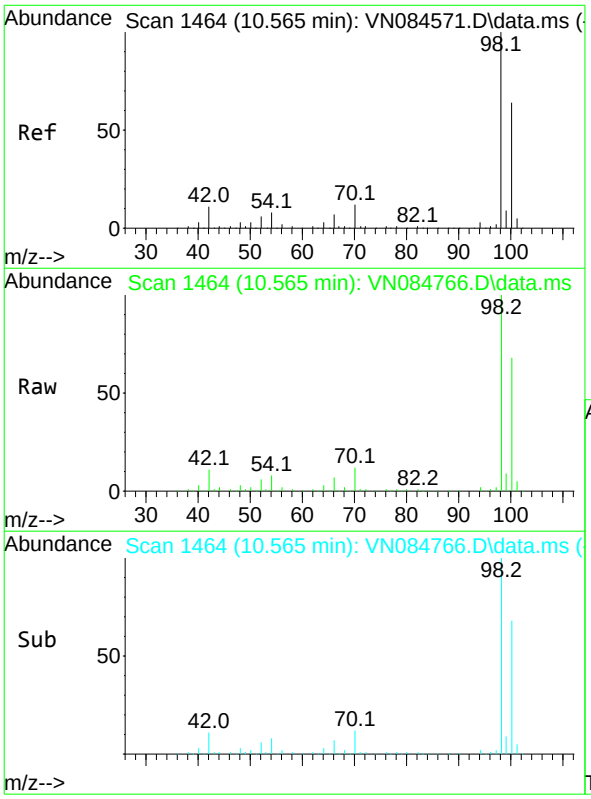
Ion	Ratio	Lower	Upper
88	100		
43	19.8	25.3	37.9#
58	67.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

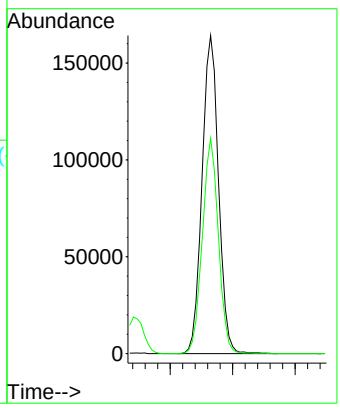
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

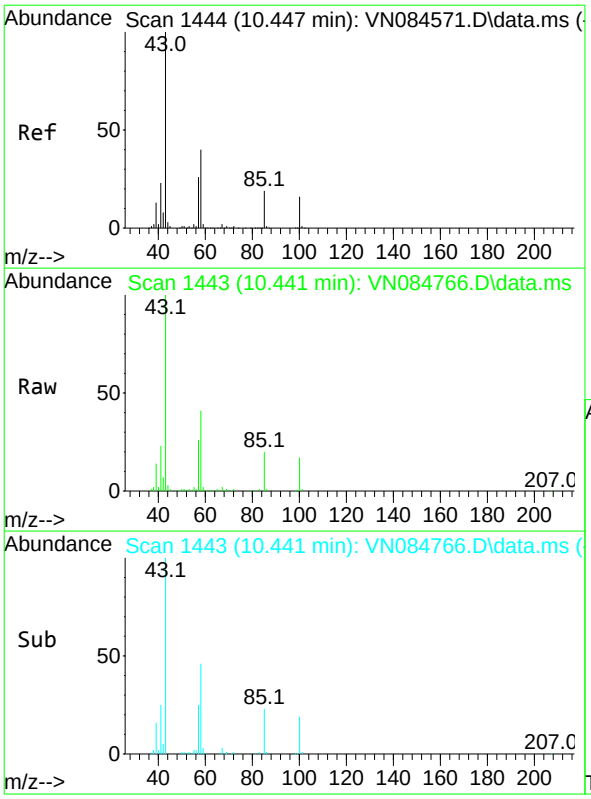


#50
Toluene-d8
Concen: 44.759 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 98 Resp: 300387

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

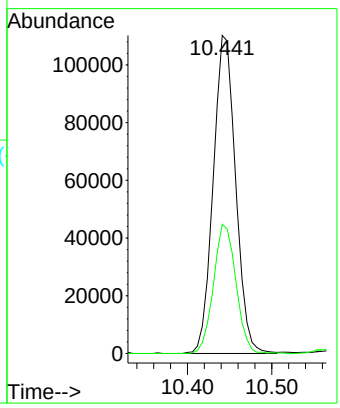




#51
4-Methyl-2-Pentanone
Concen: 93.123 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 203514

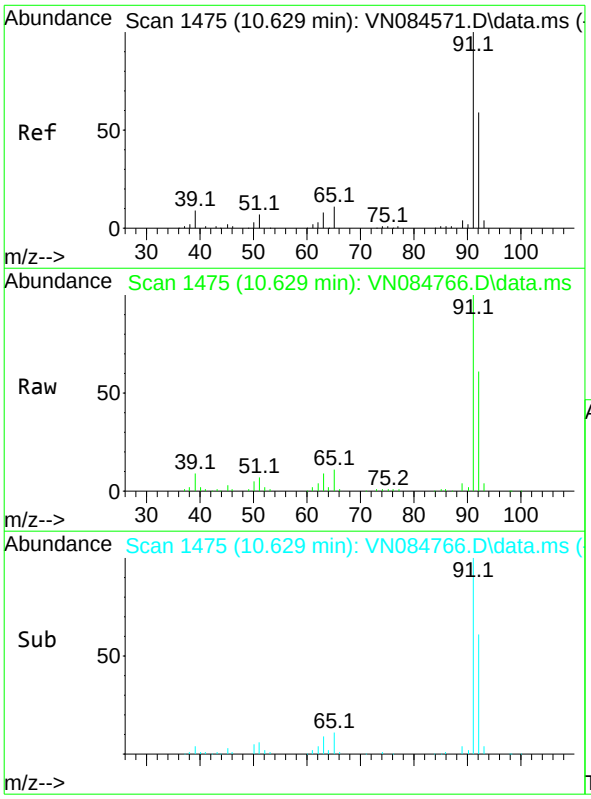
Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

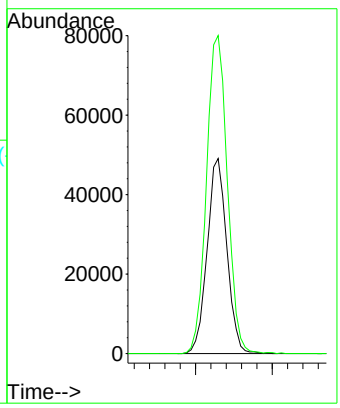
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

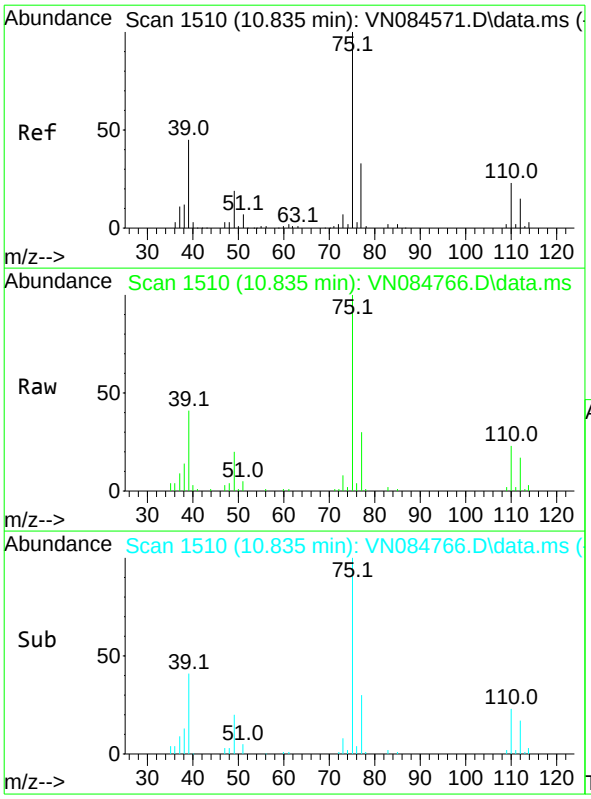


#52
Toluene
Concen: 18.442 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 92 Resp: 87522

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.3	205.9

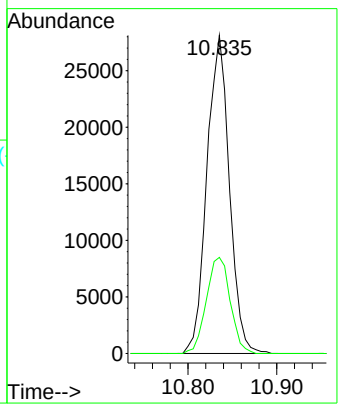




#53
t-1,3-Dichloropropene
Concen: 16.872 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 49448

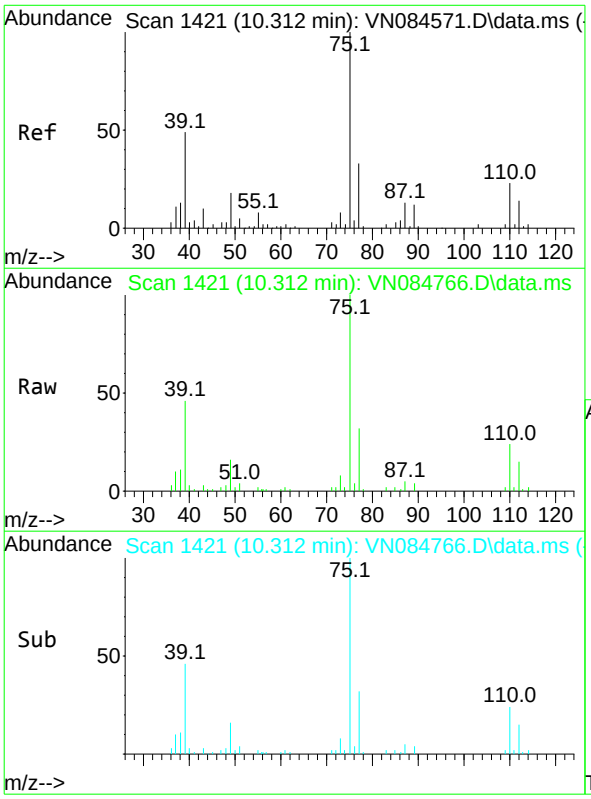
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

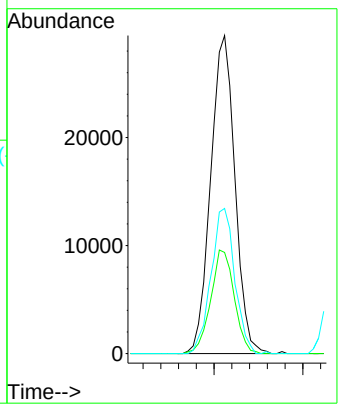
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

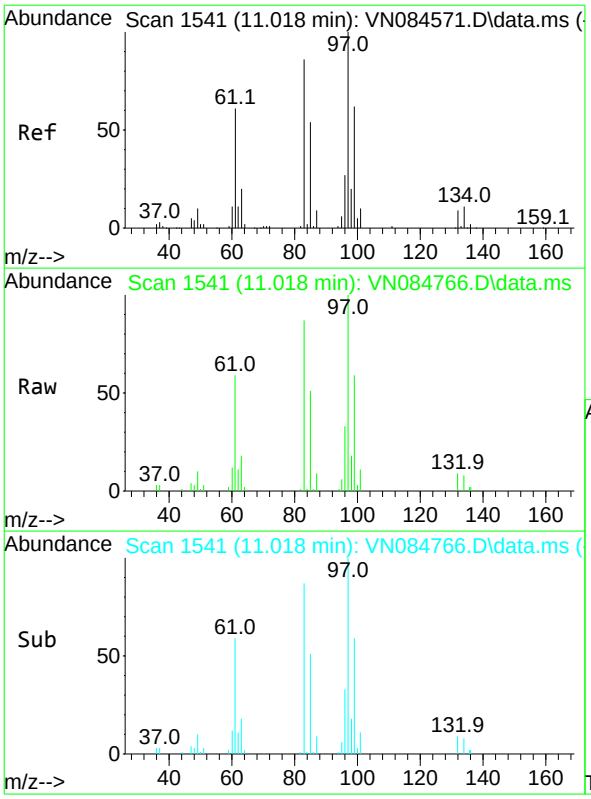


#54
cis-1,3-Dichloropropene
Concen: 18.005 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 55849

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	45.6	38.7	58.1

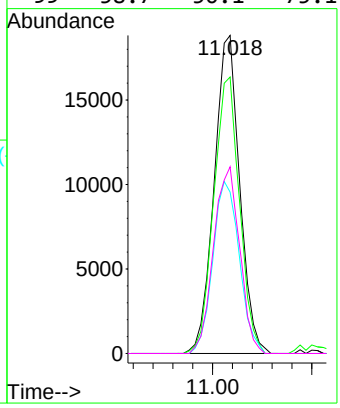




#55
1,1,2-Trichloroethane
Concen: 18.805 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 97 Resp: 33617

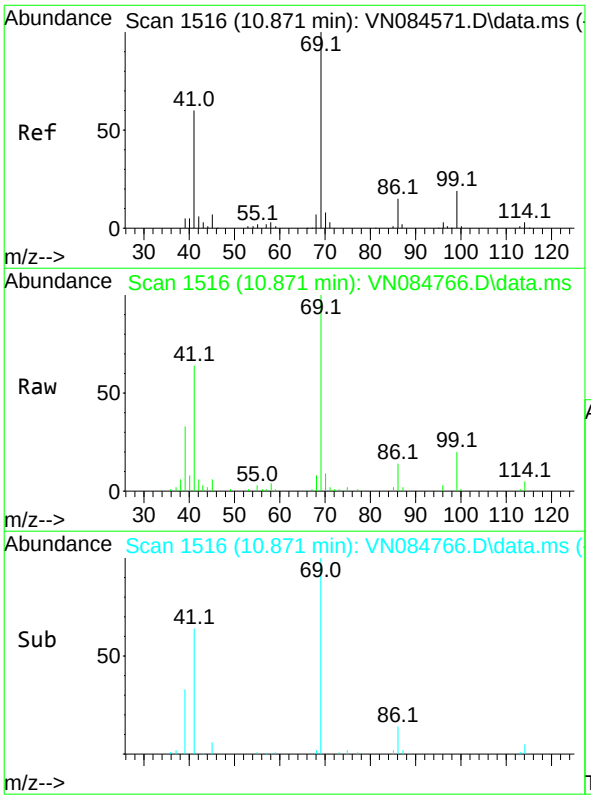
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.0	106.4
85	50.7	41.7	62.5
99	58.7	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

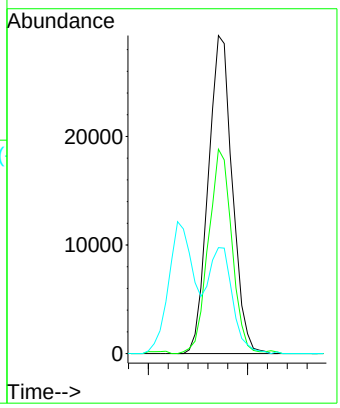
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

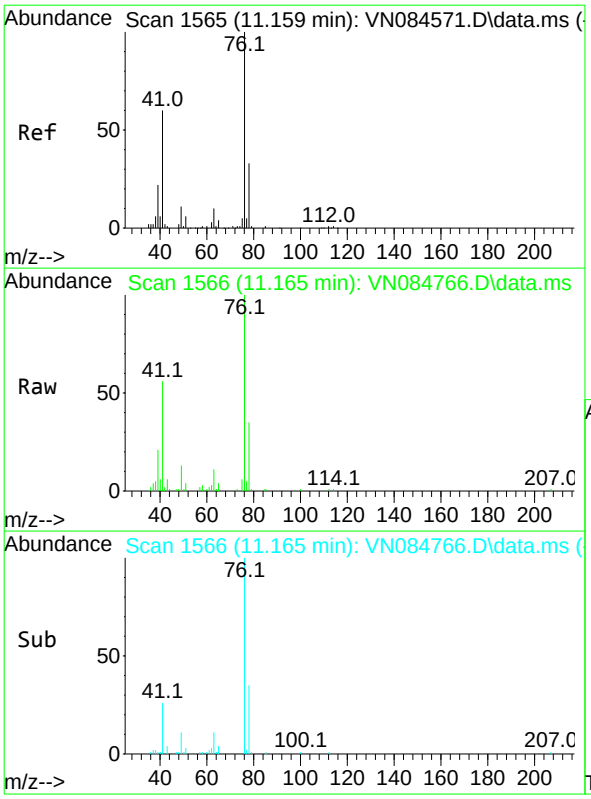


#56
Ethyl methacrylate
Concen: 19.049 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 69 Resp: 49258

Ion	Ratio	Lower	Upper
69	100		
41	63.1	53.3	79.9
39	33.9	28.8	43.2

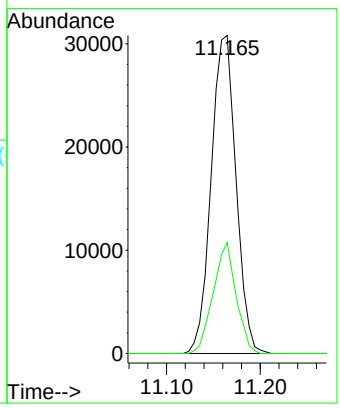




#57
1,3-Dichloropropane
Concen: 18.498 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 76 Resp: 56752

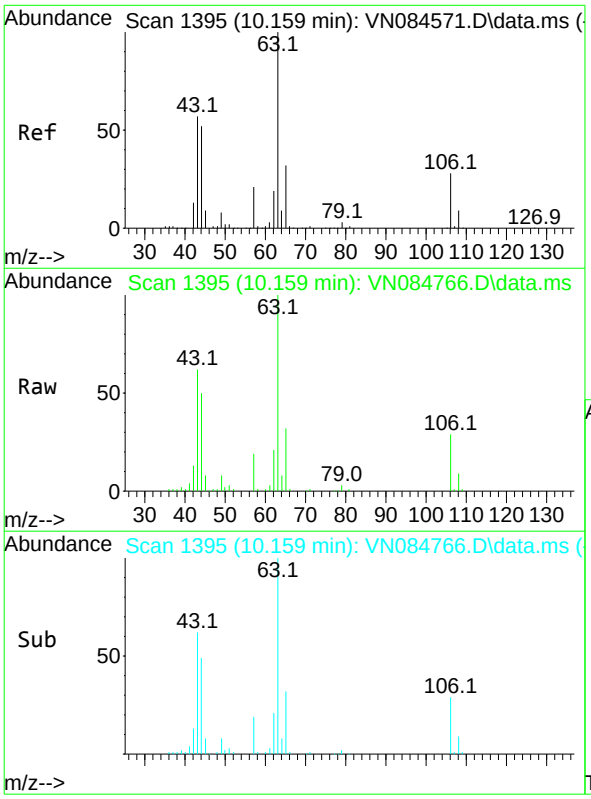
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

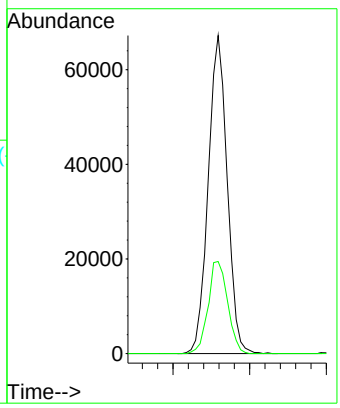
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

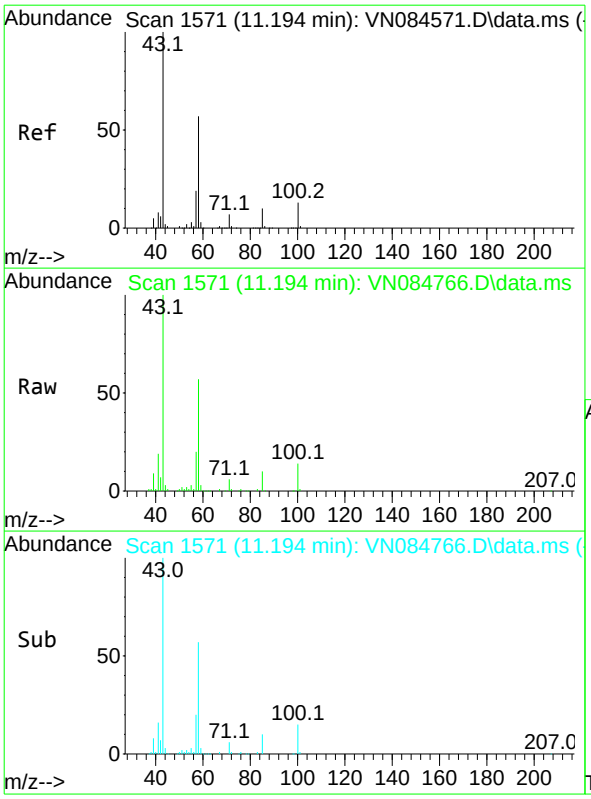


#58
2-Chloroethyl Vinyl ether
Concen: 95.469 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 63 Resp: 115516

Ion	Ratio	Lower	Upper
63	100		
106	29.8	21.8	32.6

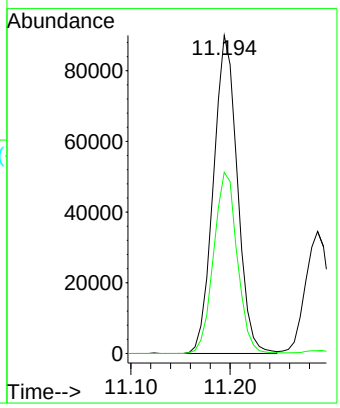




#59
2-Hexanone
Concen: 94.647 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 150560

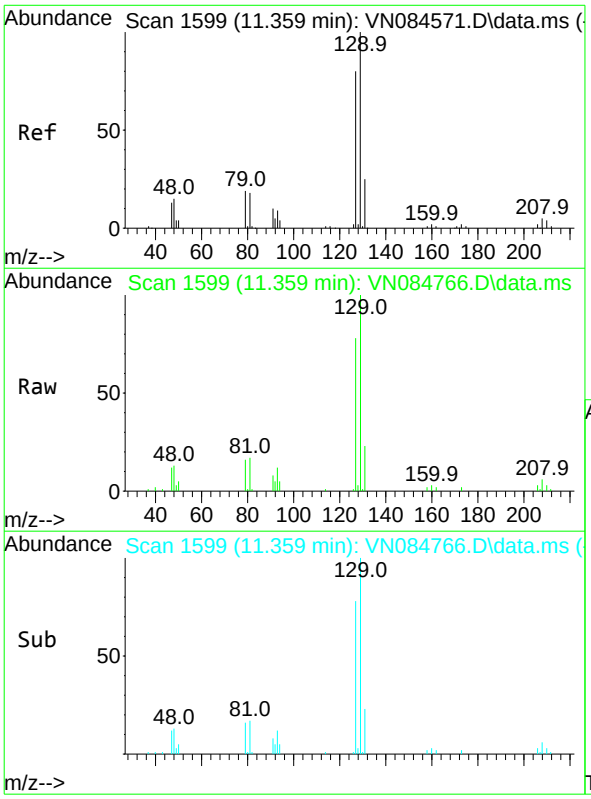
Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

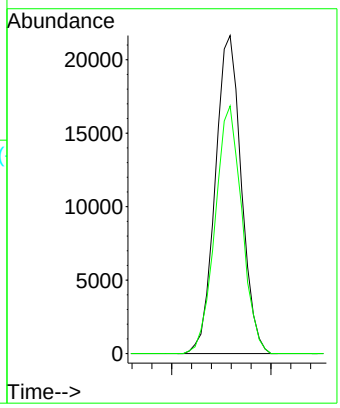
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

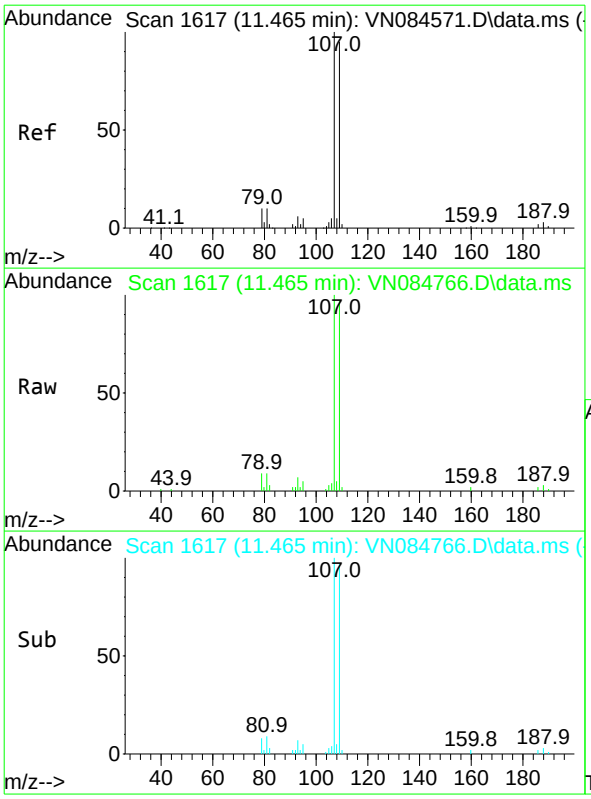


#60
Dibromochloromethane
Concen: 19.376 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:129 Resp: 39477

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.3	114.9

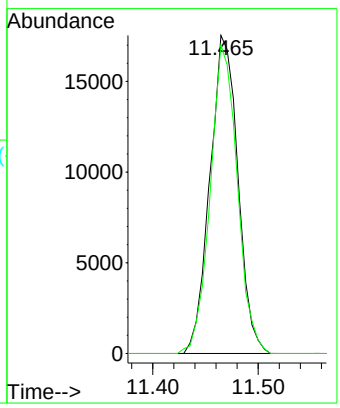




#61
1,2-Dibromoethane
Concen: 17.669 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:107 Resp: 32346

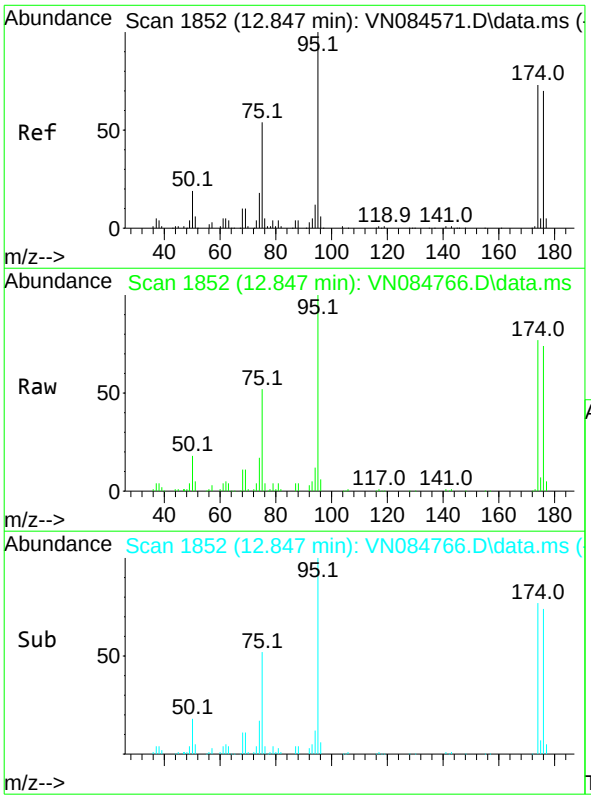
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

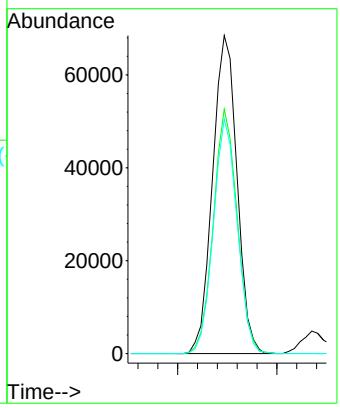
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

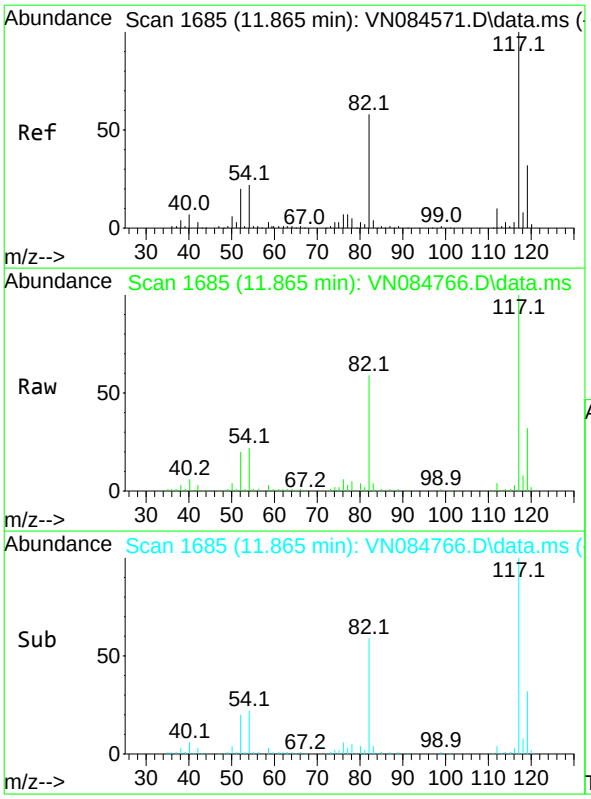


#62
4-Bromofluorobenzene
Concen: 46.721 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 95 Resp: 117186

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.9	0.0	140.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

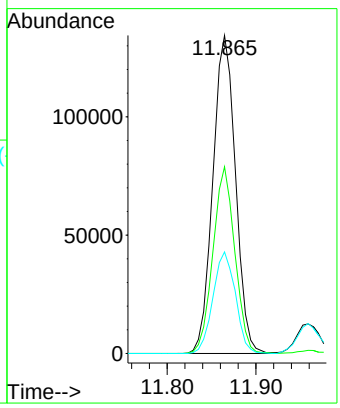
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

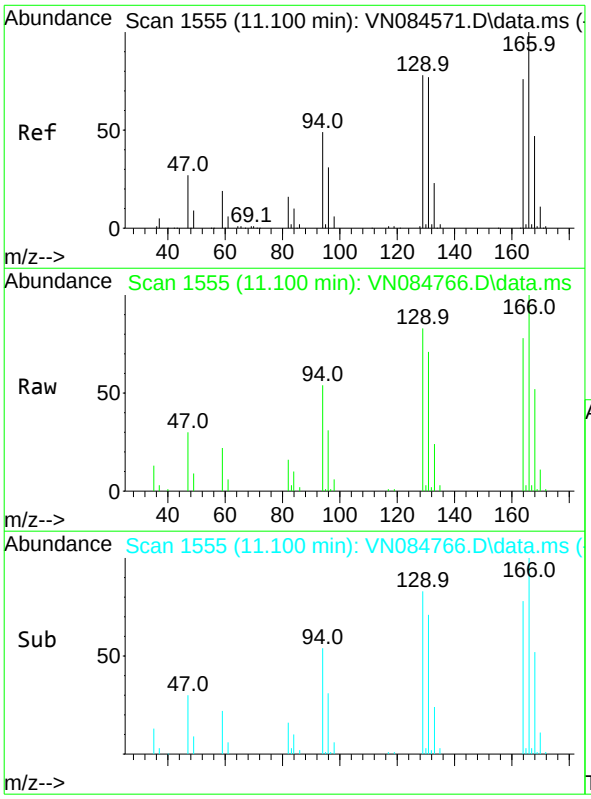
Tgt Ion:117 Resp: 238228

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	31.9	25.4	38.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

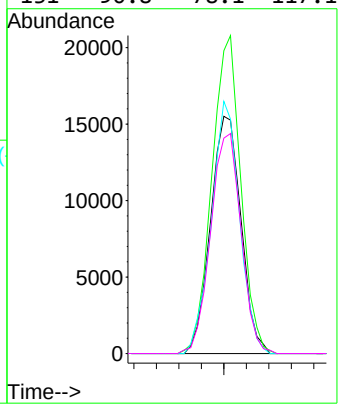


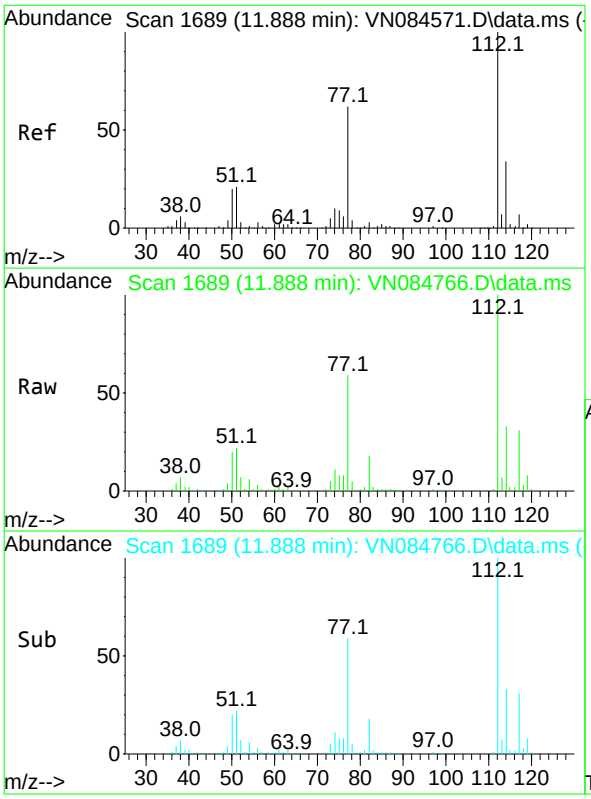


#64
Tetrachloroethene
Concen: 18.391 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:164 Resp: 29143

Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.4
129	106.3	80.8	121.2
131	90.8	78.1	117.1

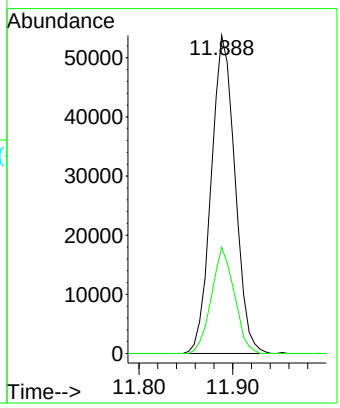




#65
Chlorobenzene
Concen: 17.794 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:112 Resp: 94835

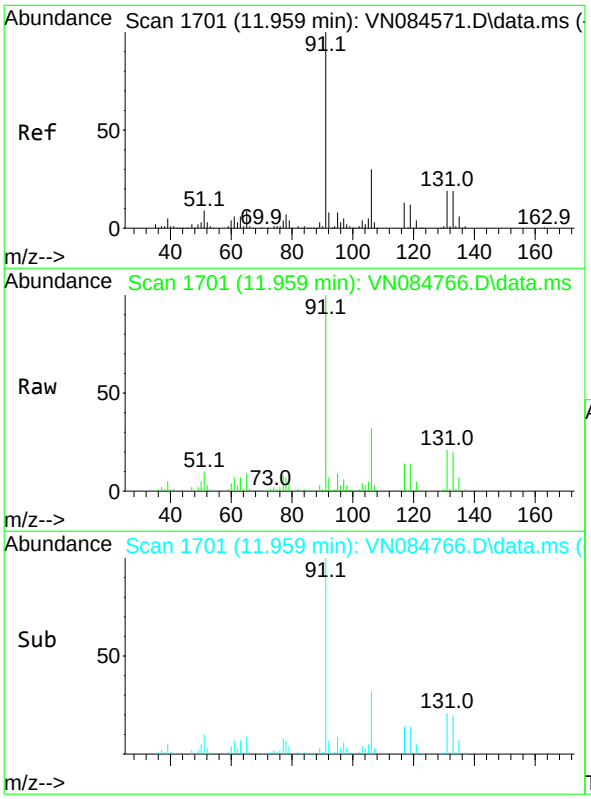
Ion	Ratio	Lower	Upper
112	100		
114	33.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

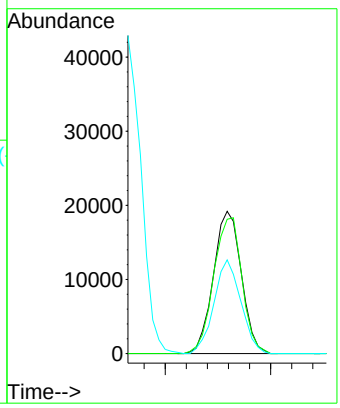
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

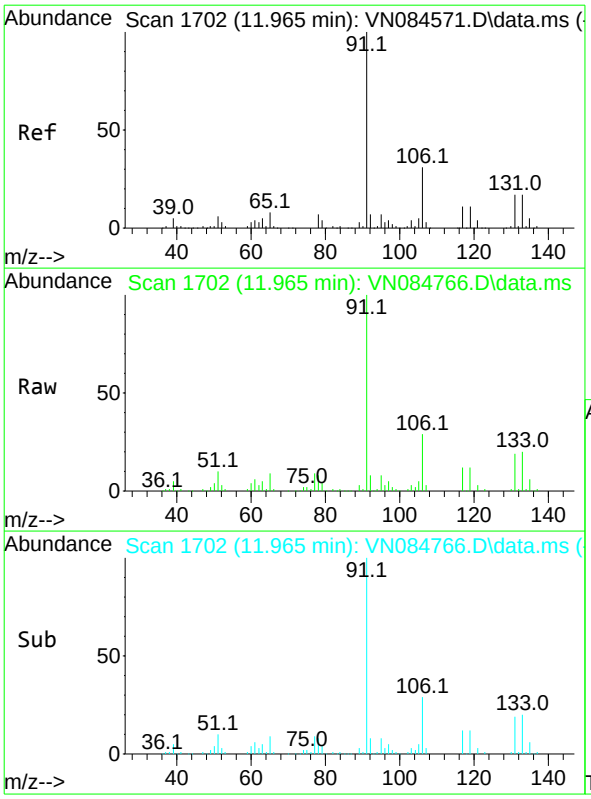


#66
1,1,1,2-Tetrachloroethane
Concen: 19.053 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:131 Resp: 35321

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.9	143.7
119	63.4	32.8	98.3

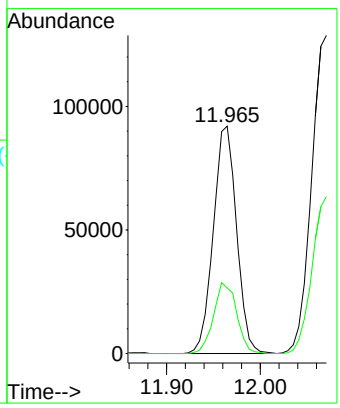




#67
Ethyl Benzene
Concen: 17.828 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 158600

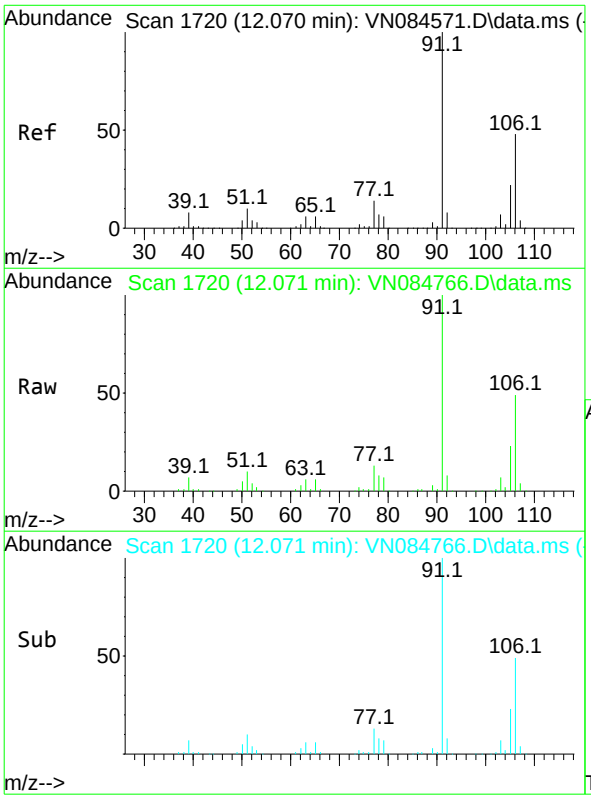
Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

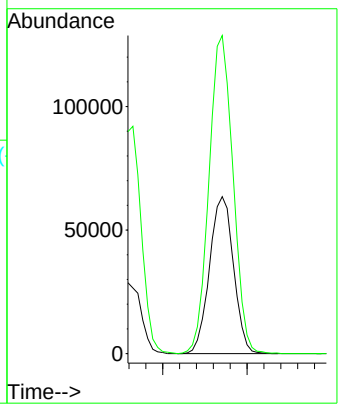
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

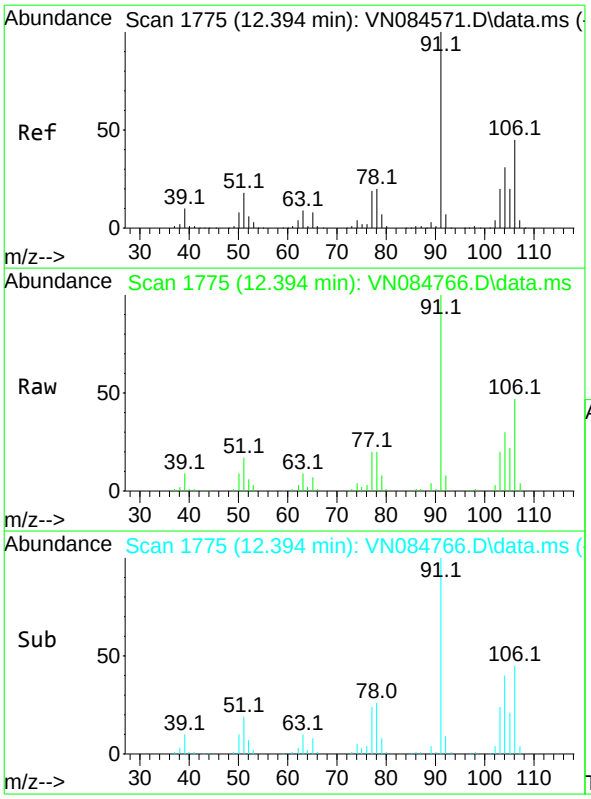


#68
m/p-Xylenes
Concen: 37.278 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:106 Resp: 125551

Ion	Ratio	Lower	Upper
106	100		
91	202.7	167.1	250.7

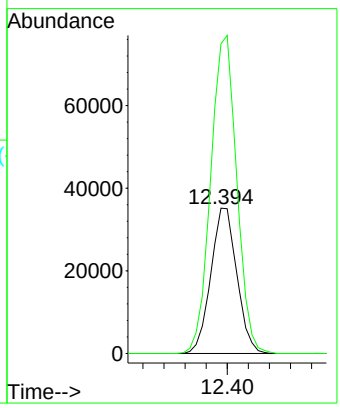




#69
o-Xylene
Concen: 19.146 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:106 Resp: 60323

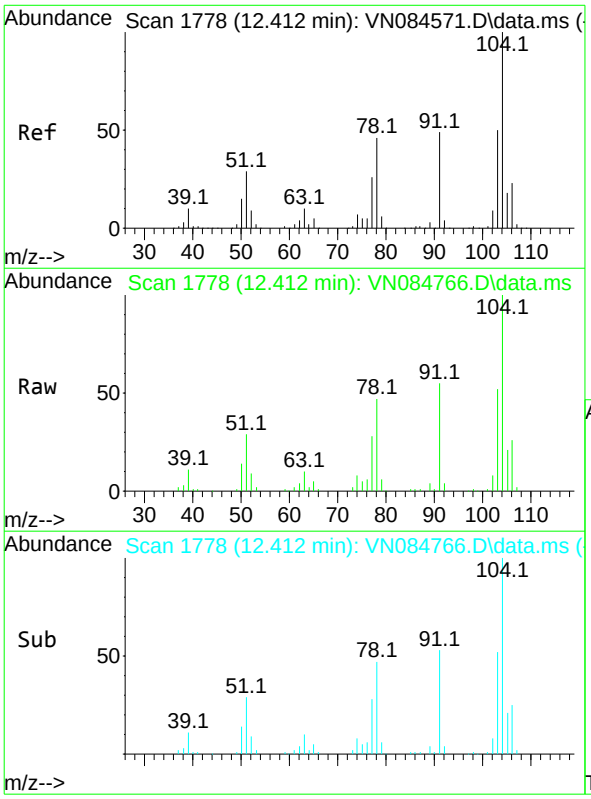
Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

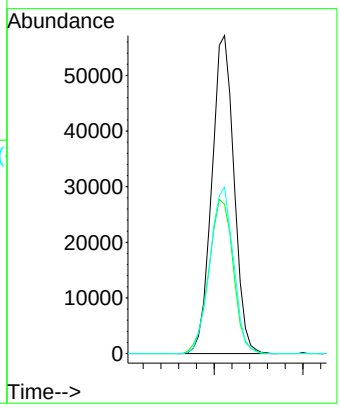
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

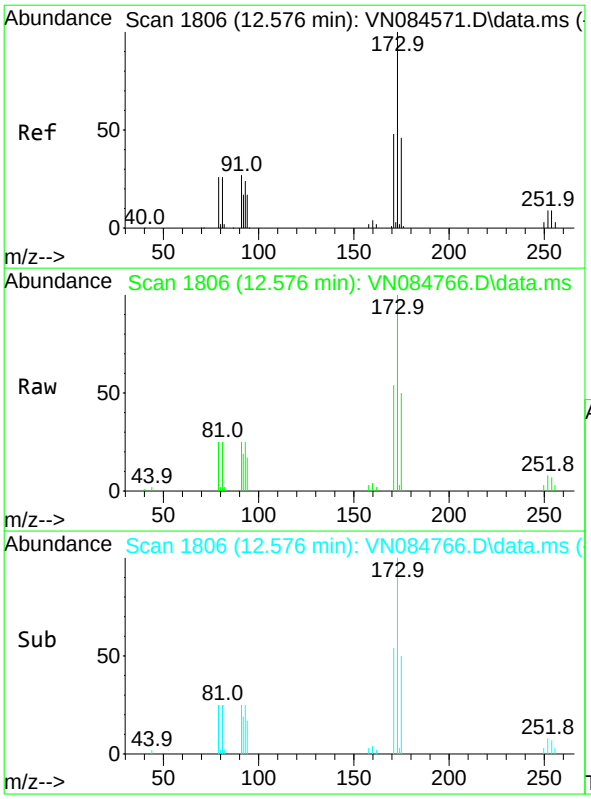


#70
Styrene
Concen: 18.082 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:104 Resp: 99383

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.7	64.1
103	55.4	43.6	65.4

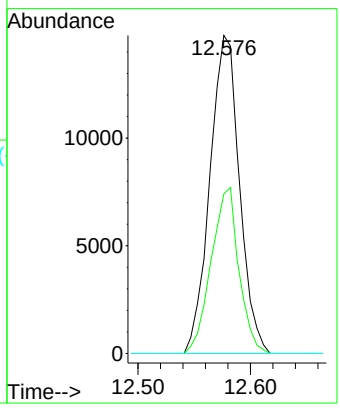




#71
Bromoform
Concen: 19.333 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:173 Resp: 26968

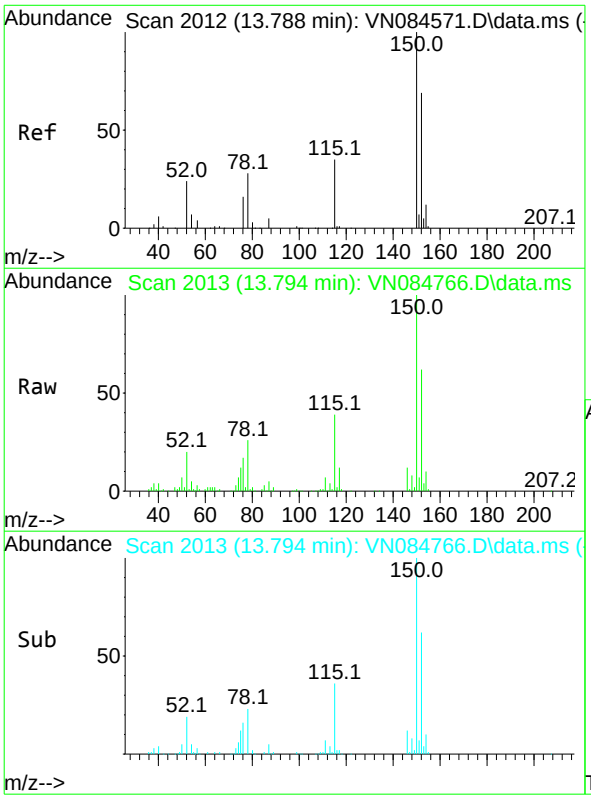
Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

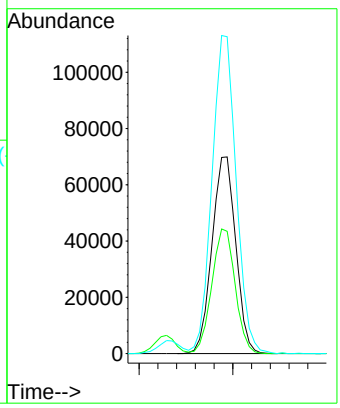
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

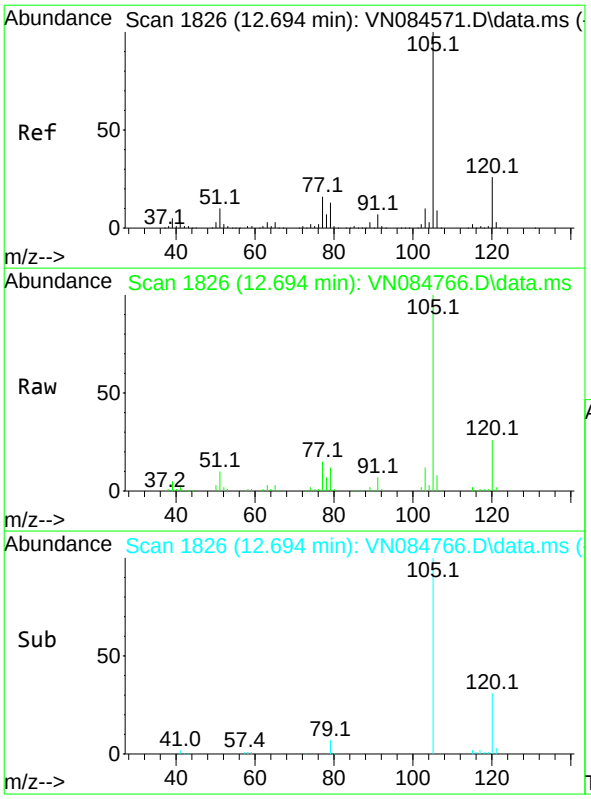


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:152 Resp: 123082

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	164.6	0.0	349.8

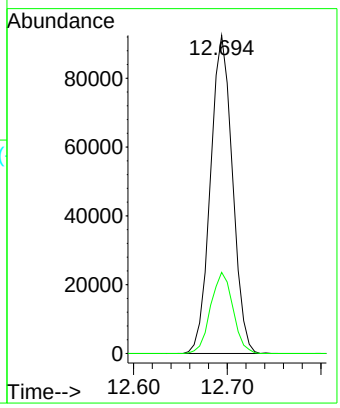




#73
Isopropylbenzene
Concen: 17.513 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 151056

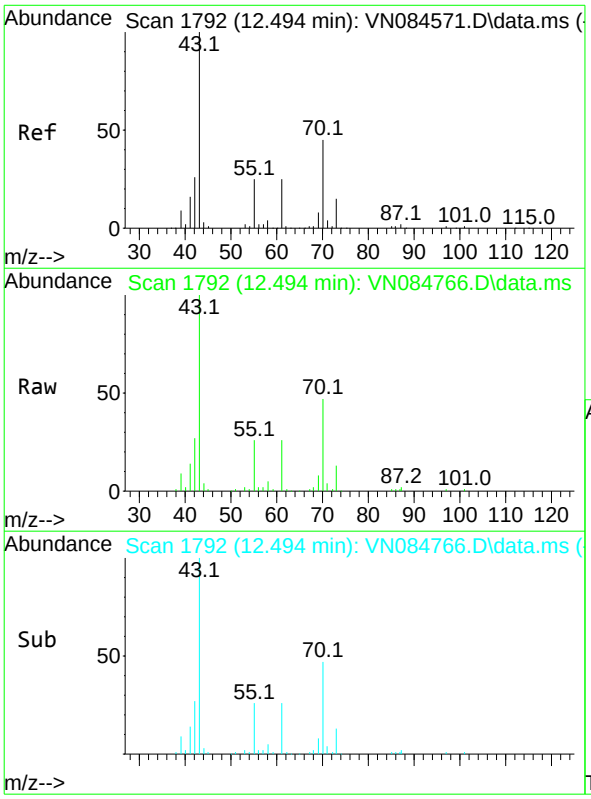
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

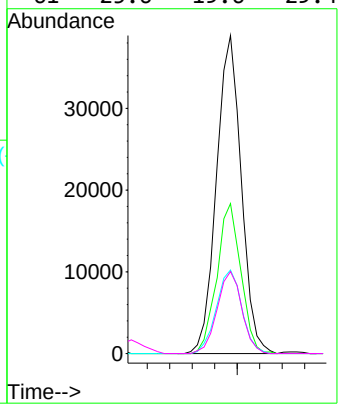
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

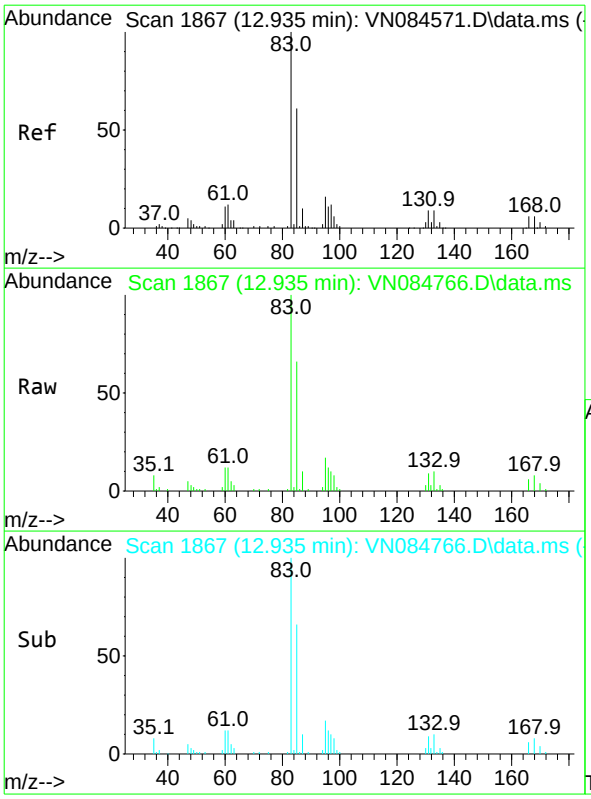


#74
N-amyl acetate
Concen: 16.239 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 59614

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	27.0	19.6	29.4
61	25.6	19.6	29.4

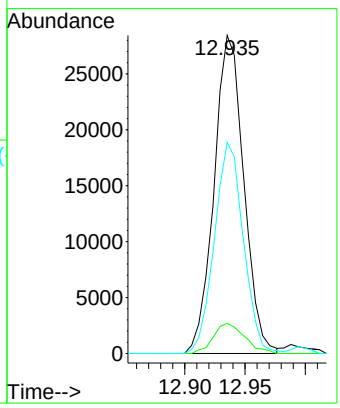




#75
1,1,2,2-Tetrachloroethane
Concen: 16.948 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 83 Resp: 48794

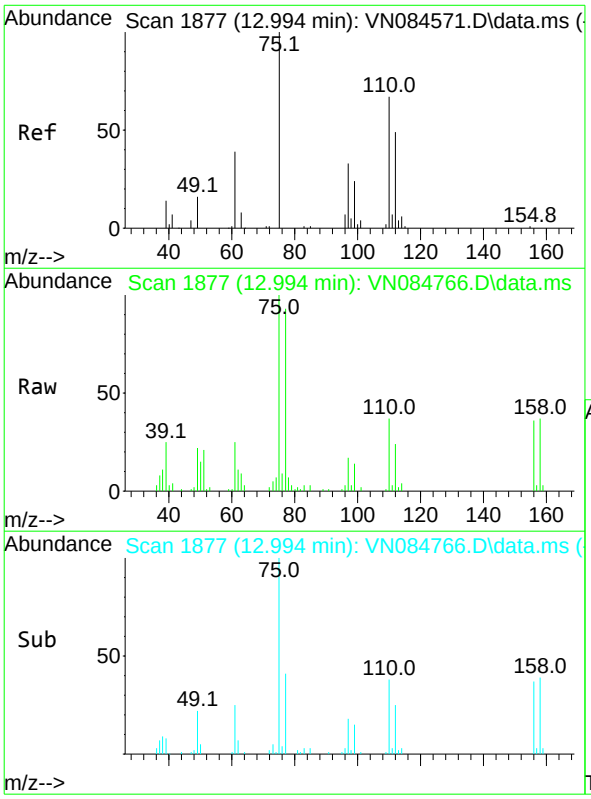
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

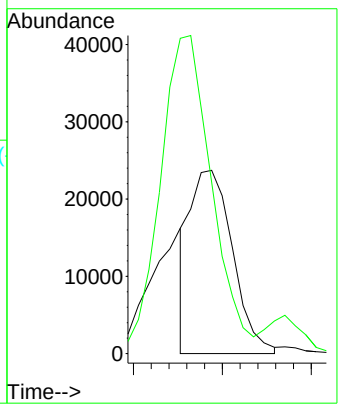
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

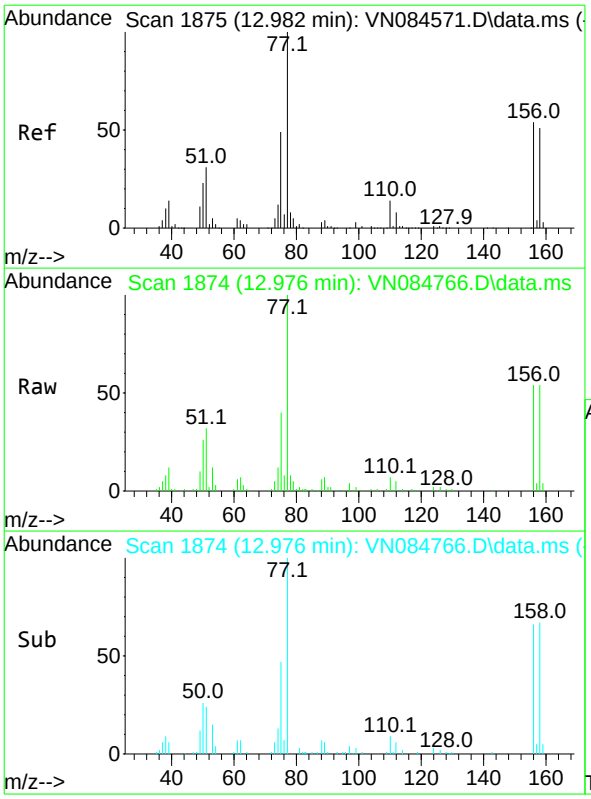


#76
1,2,3-Trichloropropane
Concen: 15.938 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 39212

Ion	Ratio	Lower	Upper
75	100		
77	210.6	96.9	290.7

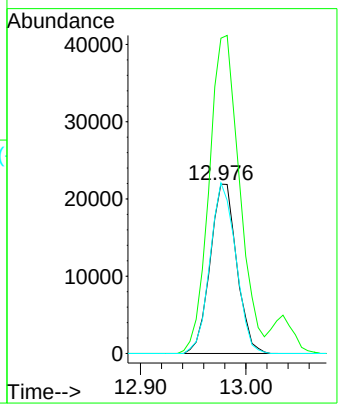




#77
Bromobenzene
Concen: 16.541 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:156 Resp: 38355

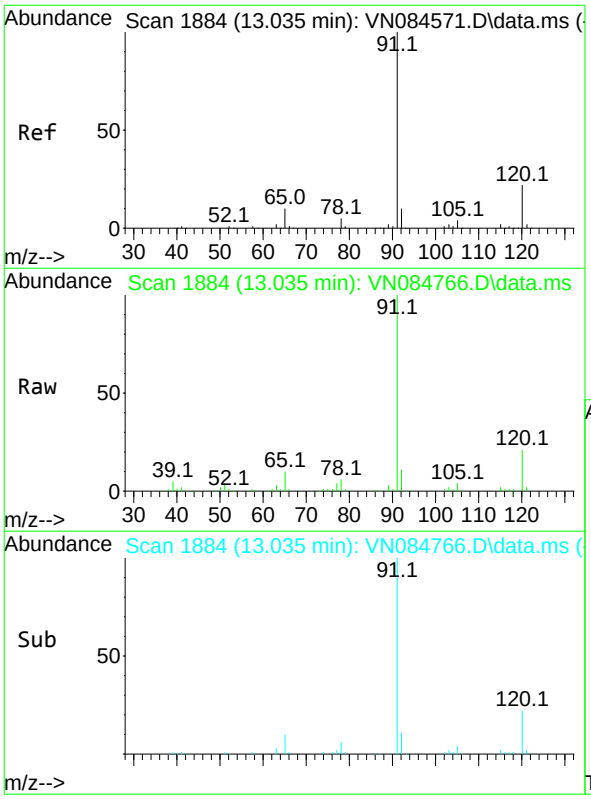
Ion	Ratio	Lower	Upper
156	100		
77	215.3	115.1	345.3
158	98.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

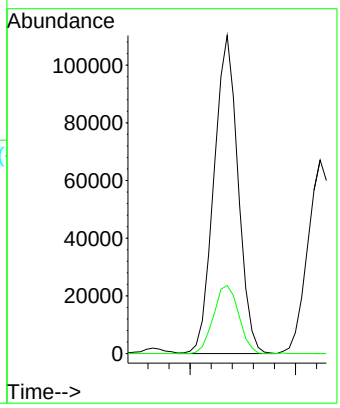
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

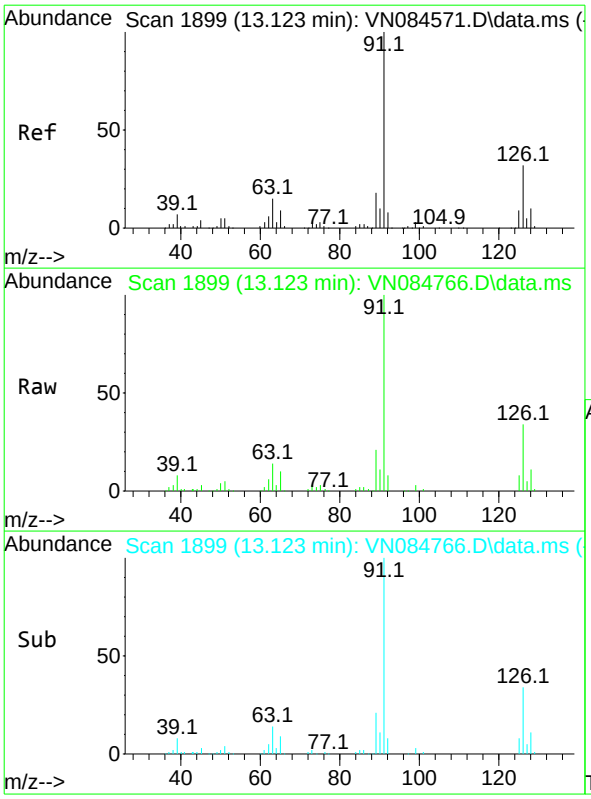


#78
n-propylbenzene
Concen: 17.330 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 175156

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4

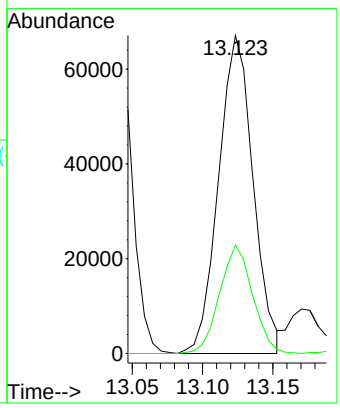




#79
2-Chlorotoluene
Concen: 17.334 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 114478

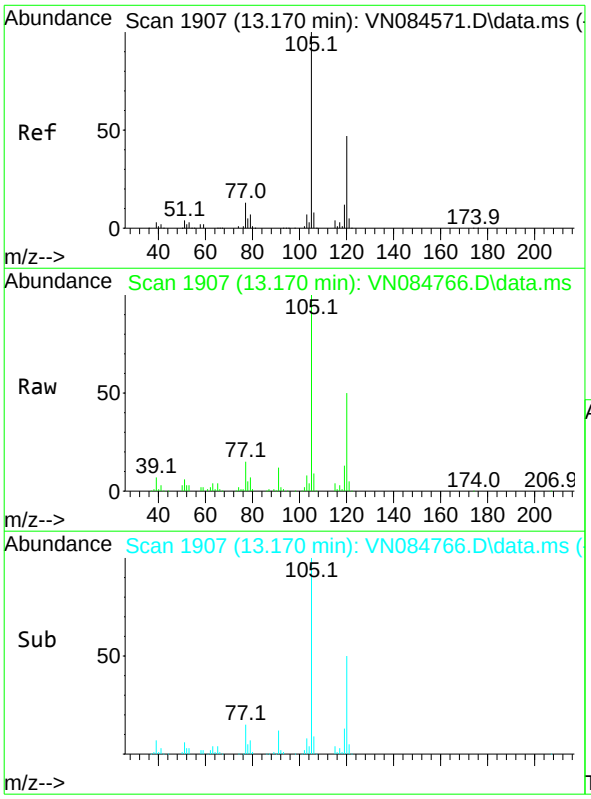
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

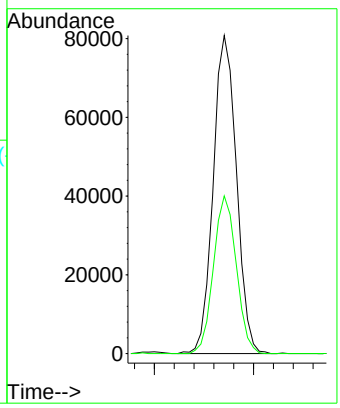
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

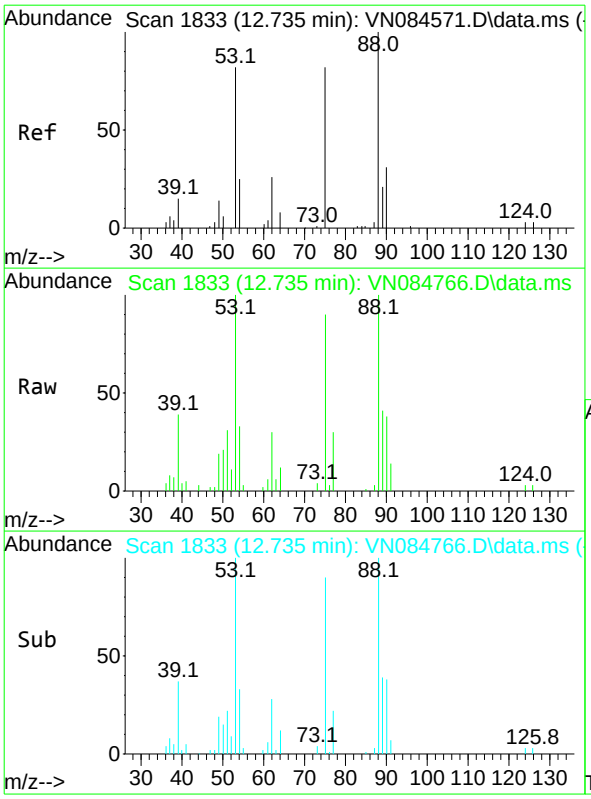


#80
1,3,5-Trimethylbenzene
Concen: 18.384 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 131426

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.7	71.1

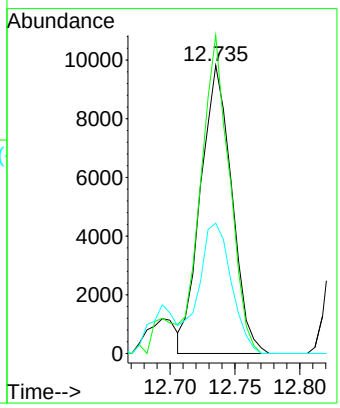




#81
trans-1,4-Dichloro-2-butene
Concen: 15.801 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 16387

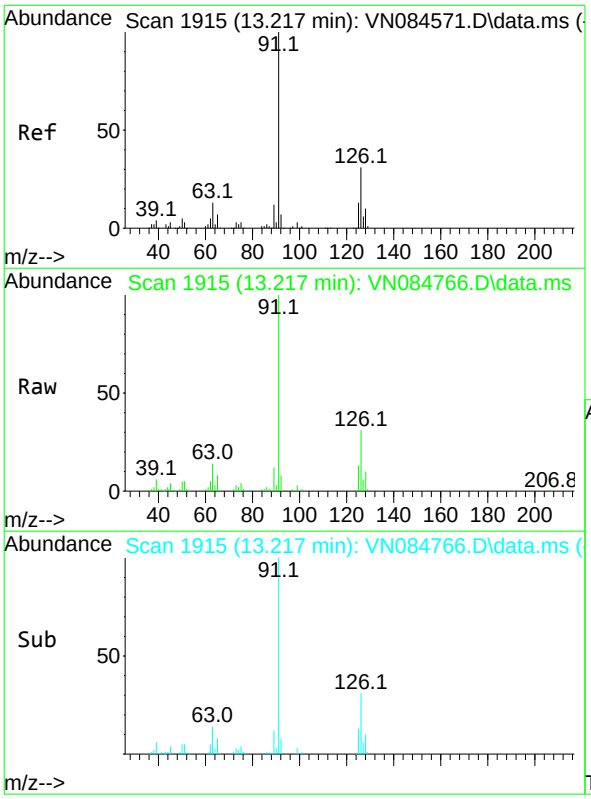
Ion	Ratio	Lower	Upper
75	100		
53	101.5	78.0	117.0
89	47.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

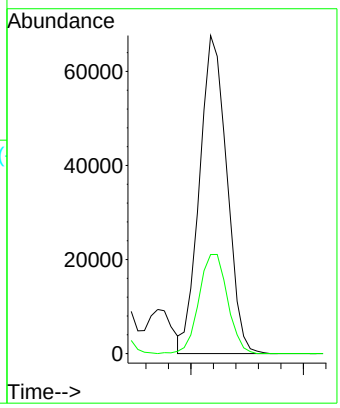
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

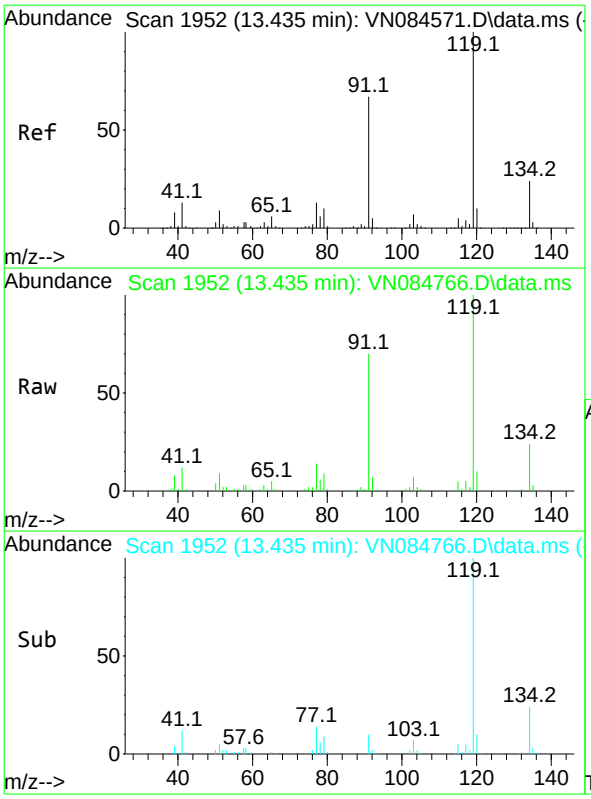


#82
4-Chlorotoluene
Concen: 16.411 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 114060

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1

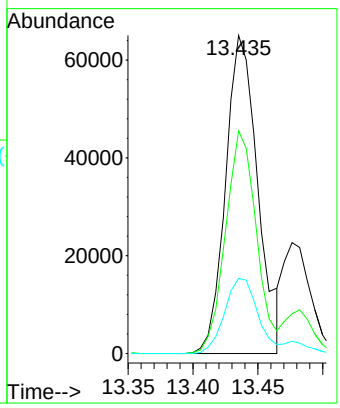




#83
tert-Butylbenzene
Concen: 18.963 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:119 Resp: 112196

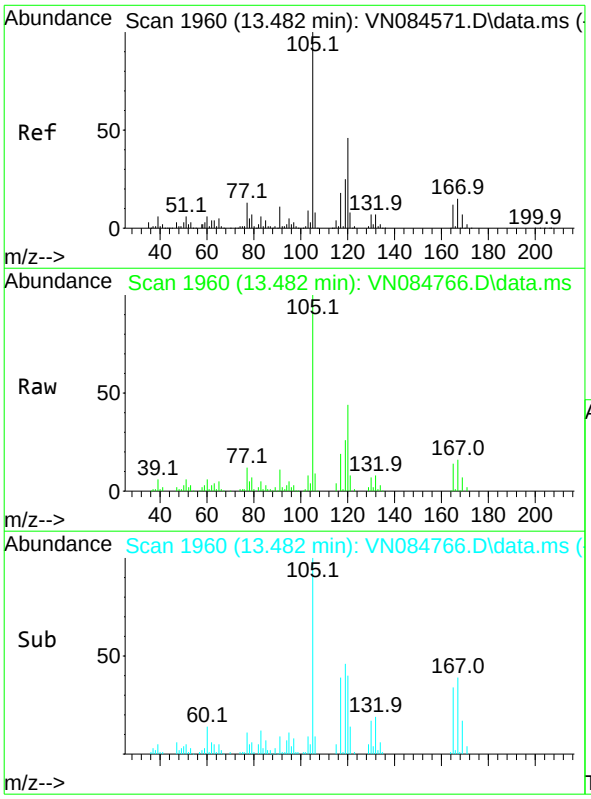
Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	24.8	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

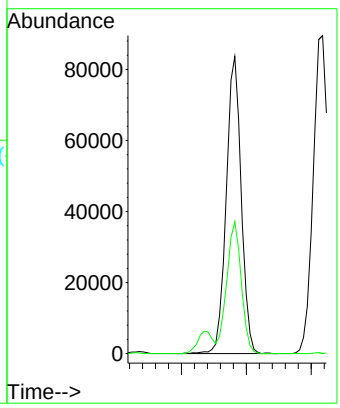
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

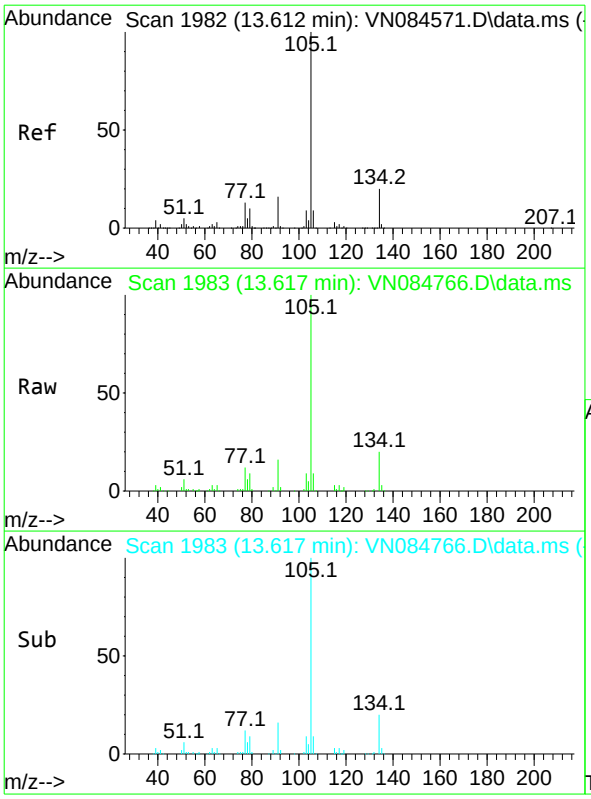


#84
1,2,4-Trimethylbenzene
Concen: 18.166 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 134030

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8

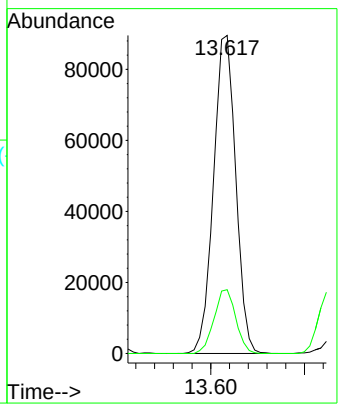




#85
sec-Butylbenzene
Concen: 17.672 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 147689

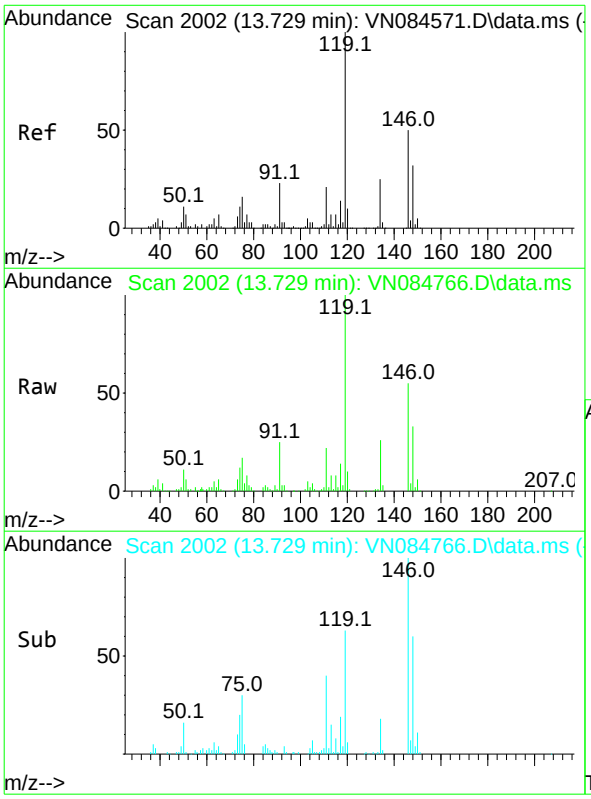
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

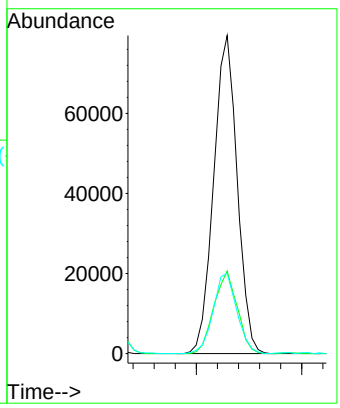
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

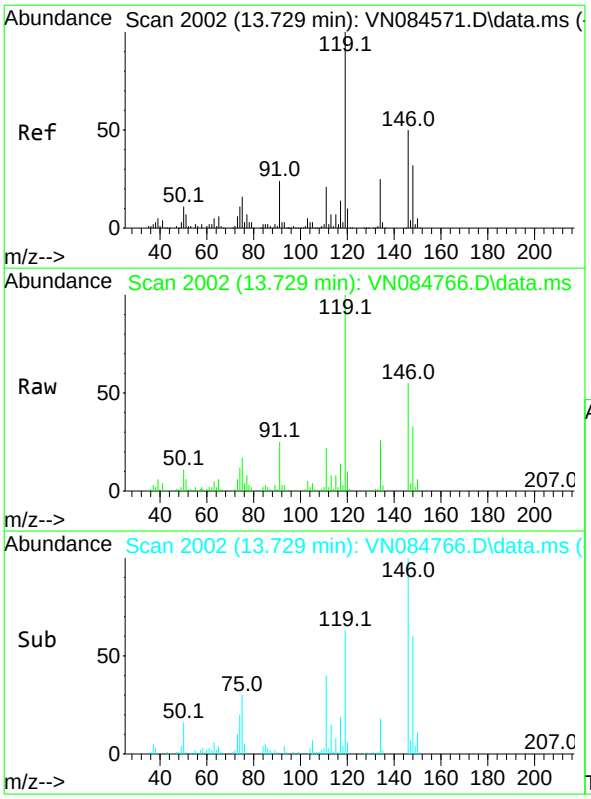


#86
p-Isopropyltoluene
Concen: 17.959 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:119 Resp: 123092

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.4	12.4	37.2

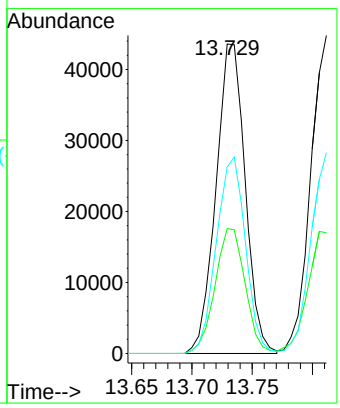




#87
1,3-Dichlorobenzene
Concen: 16.265 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:146 Resp: 73601

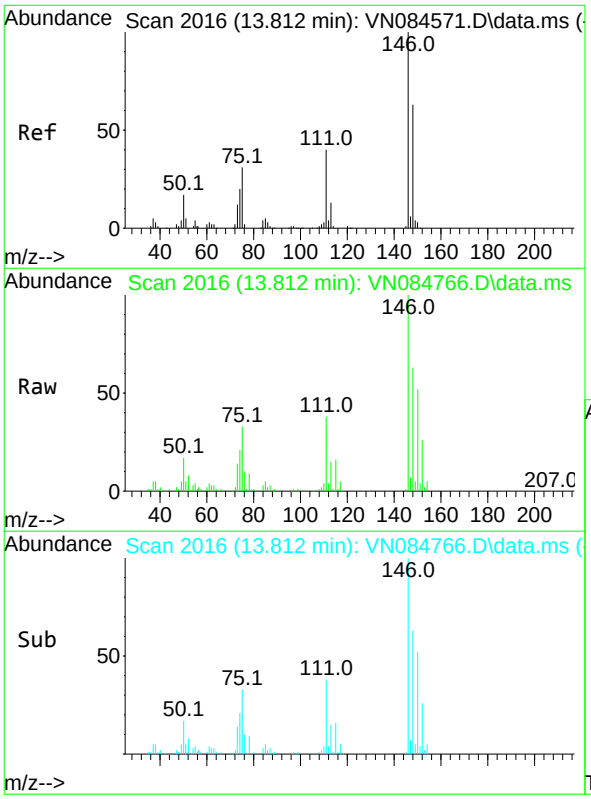
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

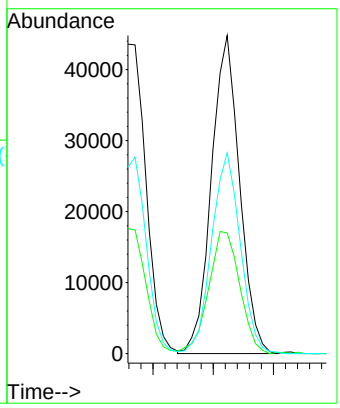
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

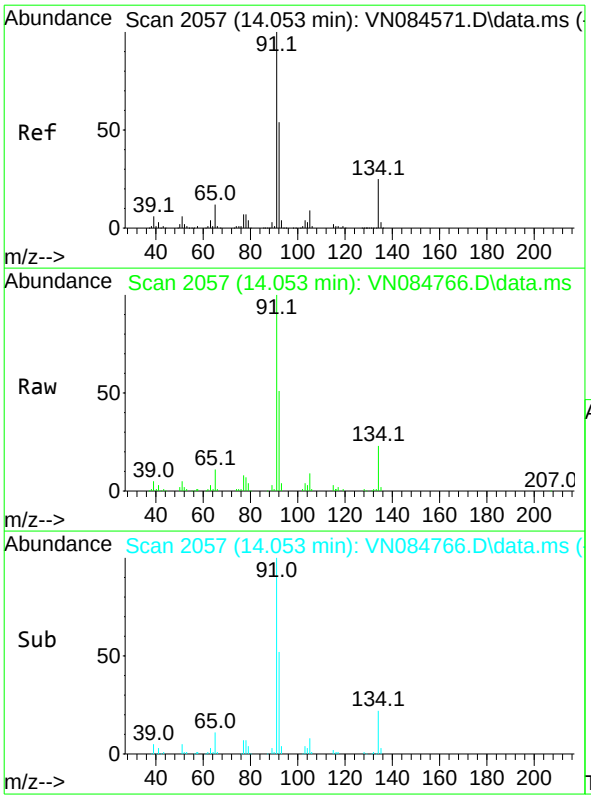


#88
1,4-Dichlorobenzene
Concen: 16.823 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:146 Resp: 72855

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.2	31.9	95.9

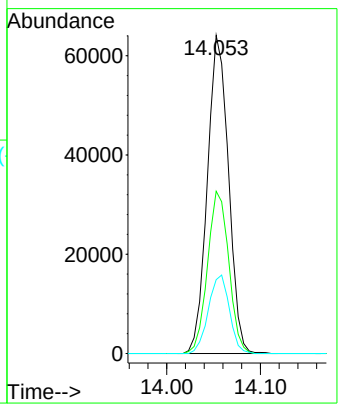




#89
n-Butylbenzene
Concen: 15.670 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 100465

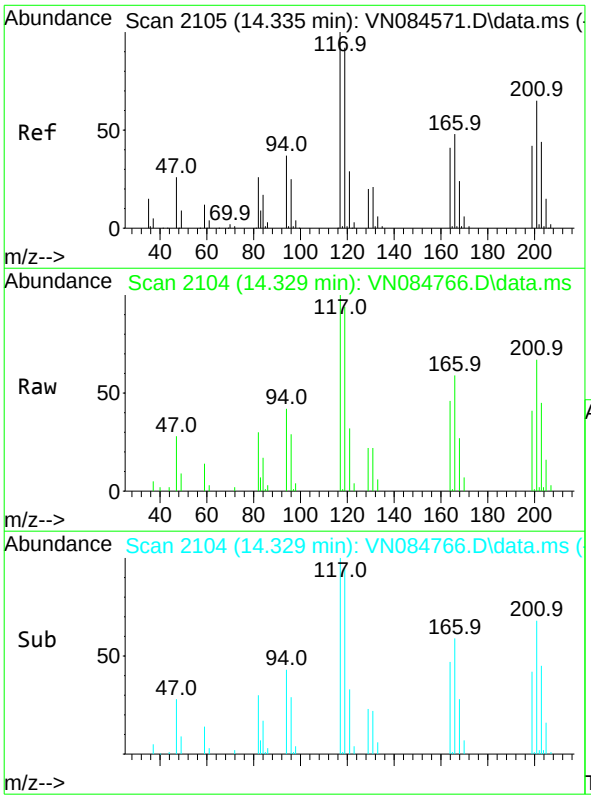
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

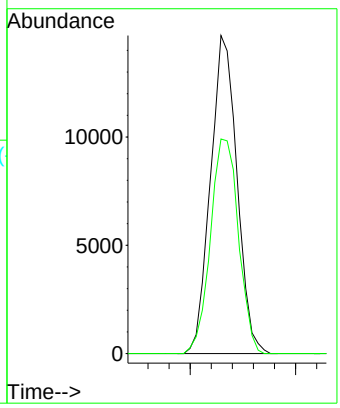
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

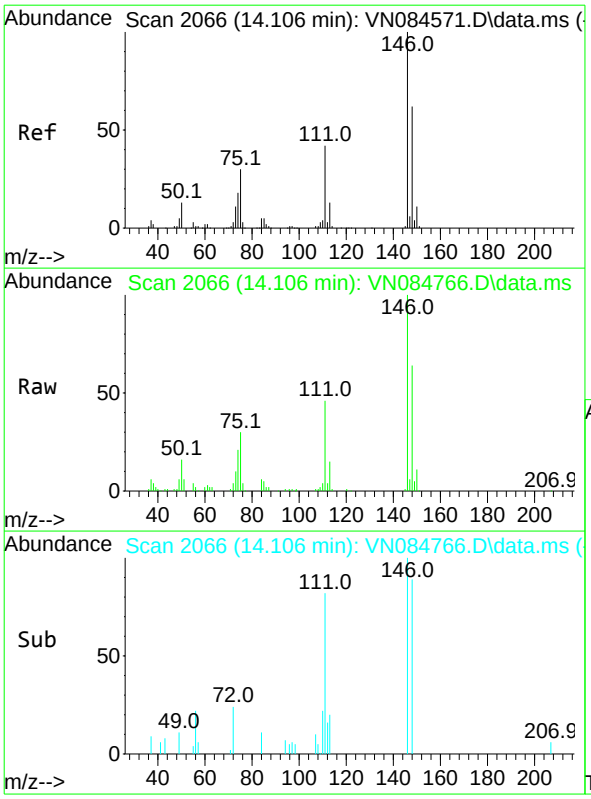


#90
Hexachloroethane
Concen: 16.771 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:117 Resp: 25635

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.4	103.2

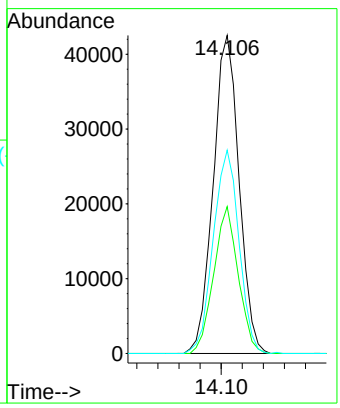




#91
1,2-Dichlorobenzene
Concen: 16.651 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:146 Resp: 72406

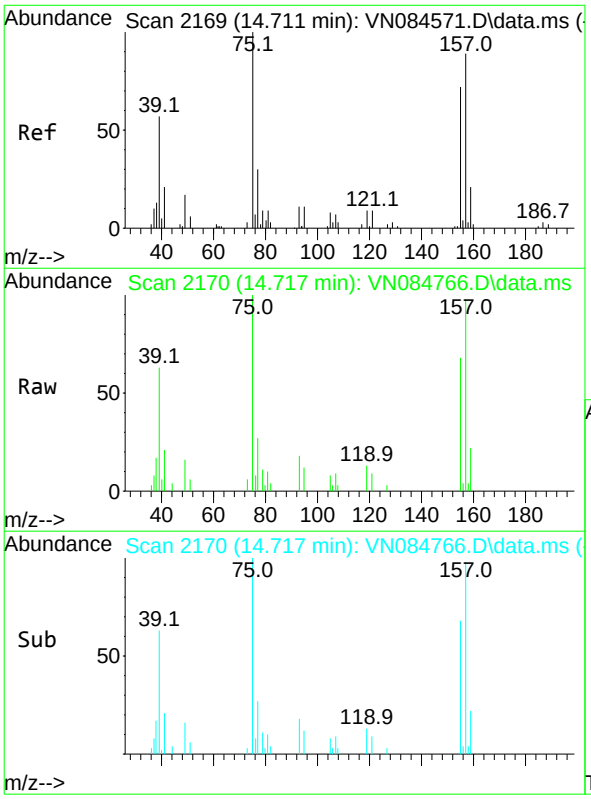
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	63.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

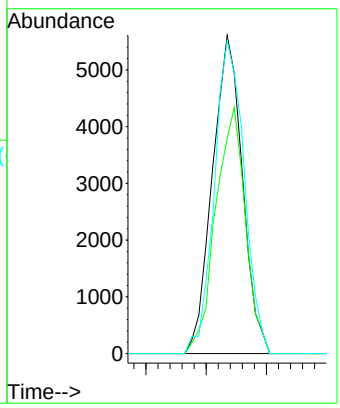
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

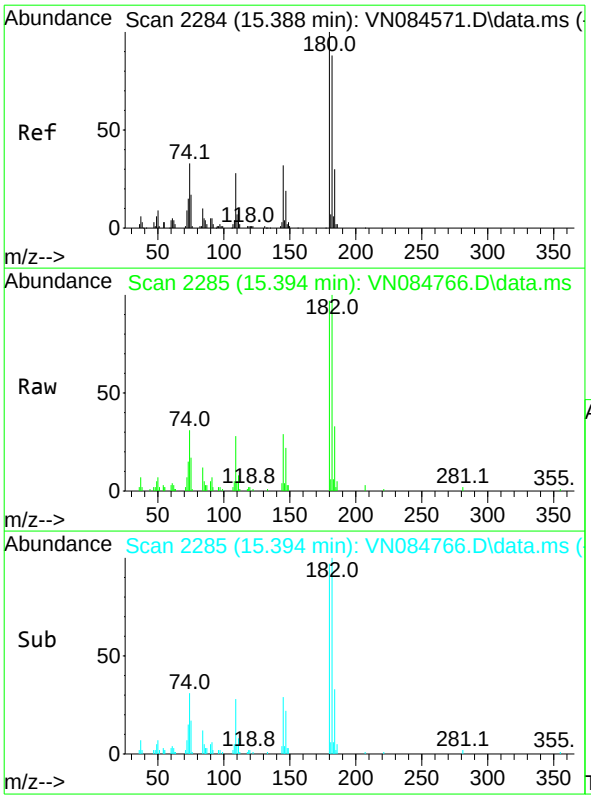


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.604 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 9684

Ion	Ratio	Lower	Upper
75	100		
155	76.7	38.1	114.5
157	98.0	49.6	149.0

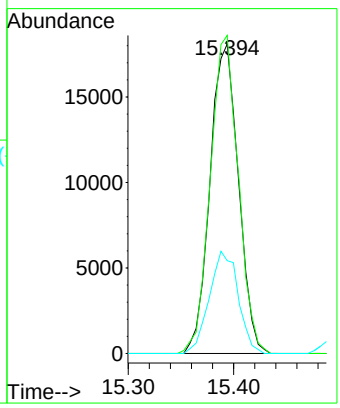




#93
1,2,4-Trichlorobenzene
Concen: 14.234 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:180 Resp: 33879

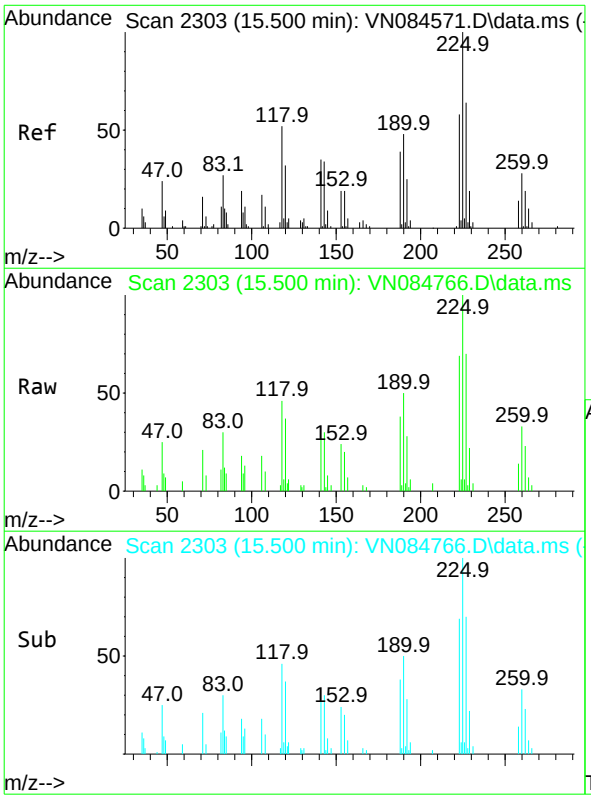
Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.0	141.0
145	33.5	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations APPROVED

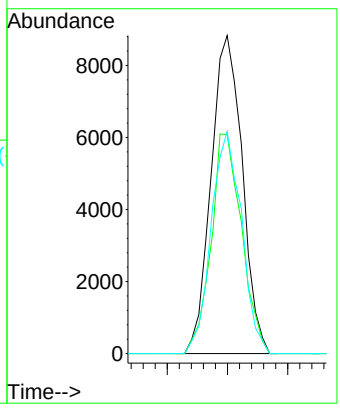
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

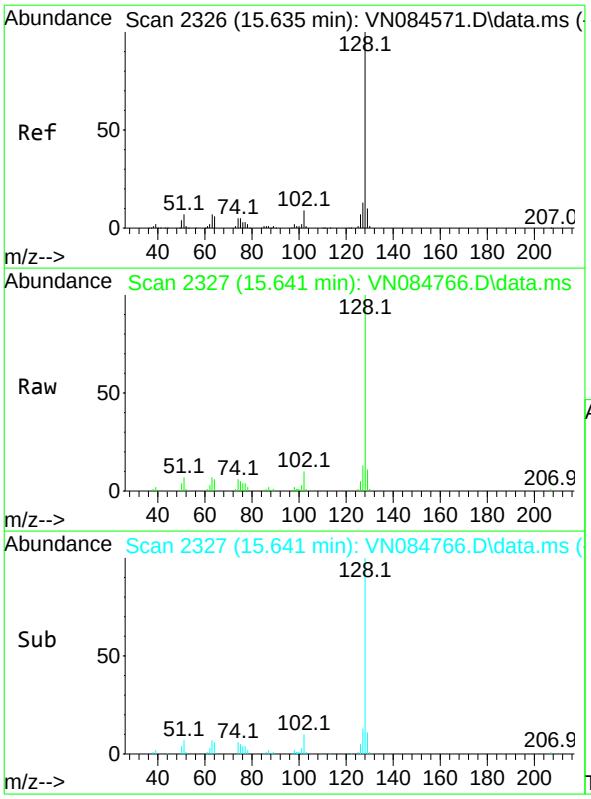


#94
Hexachlorobutadiene
Concen: 15.194 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:225 Resp: 15881

Ion	Ratio	Lower	Upper
225	100		
223	67.6	32.4	97.2
227	68.2	32.4	97.0

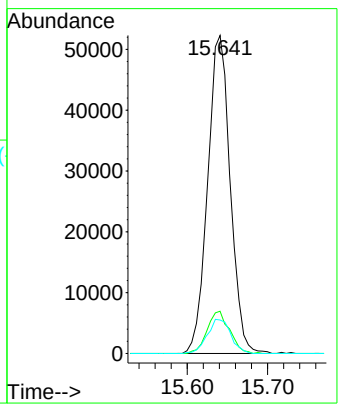




#95
Naphthalene
Concen: 14.330 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:128 Resp: 102086

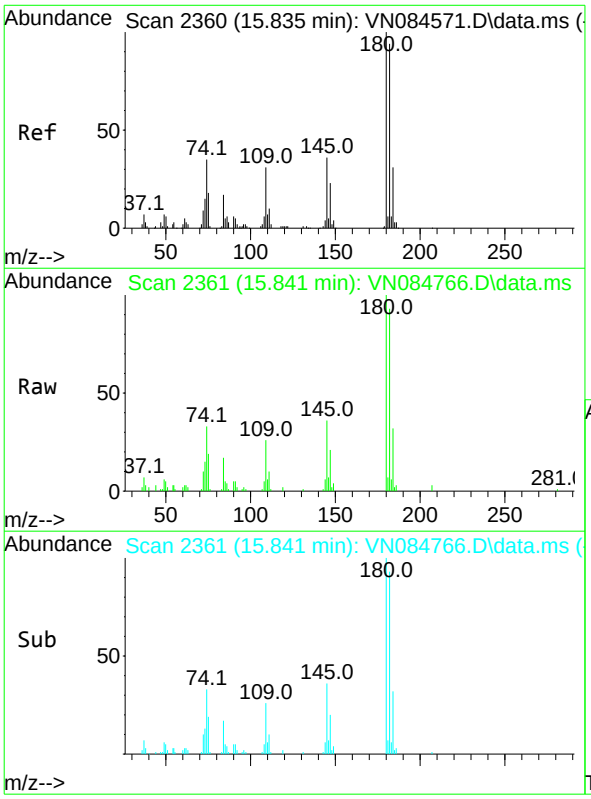
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Manual Integrations
APPROVED

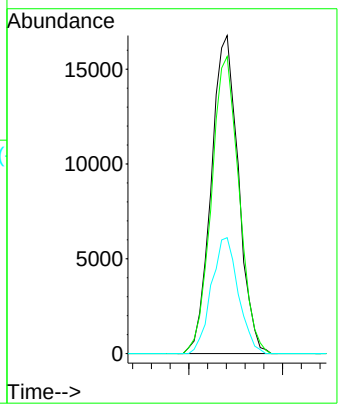
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024



#96
1,2,3-Trichlorobenzene
Concen: 14.621 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:180 Resp: 33780

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	36.1	17.3	51.9



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:	CTO WE13	Date Received:	
Client Sample ID:	VN1108WBSD01	SDG No.:	P4774
Lab Sample ID:	VN1108WBSD01	Matrix:	Water
Analytical Method:	SW8260	% 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
VN084741.D	1		11/08/24 11:43	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	14.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	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	17.9		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.2		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	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:	CTO WE13		Date Received:		
Client Sample ID:	VN1108WBSD01		SDG No.:	P4774	
Lab Sample ID:	VN1108WBSD01		Matrix:	Water	
Analytical Method:	SW8260		% 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
VN084741.D	1		11/08/24 11:43	VN110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.7		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		80 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	8.218				
540-36-3	1,4-Difluorobenzene	277000	9.094				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	121000	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\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	277196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112888	47.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.420%			
35) Dibromofluoromethane	8.159	113	88421	47.126	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.260%			
50) Toluene-d8	10.565	98	326909	47.298	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.600%			
62) 4-Bromofluorobenzene	12.847	95	120820	46.773	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	32436	17.224	ug/l	94
3) Chloromethane	2.359	50	36853	14.909	ug/l	92
4) Vinyl Chloride	2.512	62	35685	17.618	ug/l	98
5) Bromomethane	2.901	94	19303	17.987	ug/l	98
6) Chloroethane	3.059	64	26858m	20.602	ug/l	
7) Trichlorofluoromethane	3.465	101	60306	18.075	ug/l	97
8) Diethyl Ether	3.953	74	21967	18.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	36137	19.168	ug/l	96
10) Methyl Iodide	4.577	142	48044	19.067	ug/l	99
11) Tert butyl alcohol	5.542	59	36824	117.910	ug/l	100
12) 1,1-Dichloroethene	4.324	96	33346	17.875	ug/l	97
13) Acrolein	4.183	56	26382	84.714	ug/l	100
14) Allyl chloride	5.012	41	54464	18.003	ug/l	92
15) Acrylonitrile	5.718	53	94426	104.440	ug/l	100
16) Acetone	4.430	43	79288	114.465	ug/l	92
17) Carbon Disulfide	4.695	76	90004	15.667	ug/l	98
18) Methyl Acetate	5.018	43	50279	17.548	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	115179	20.144	ug/l	96
20) Methylene Chloride	5.265	84	39358	18.914	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	34301	17.907	ug/l	96
22) Diisopropyl ether	6.671	45	117287	19.511	ug/l	97
23) Vinyl Acetate	6.600	43	404463	97.566	ug/l	98
24) 1,1-Dichloroethane	6.559	63	68723	19.042	ug/l	99
25) 2-Butanone	7.483	43	124574	112.857	ug/l	98
26) 2,2-Dichloropropane	7.483	77	60114	19.137	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	41518	18.562	ug/l	99
28) Bromochloromethane	7.812	49	30106	20.937	ug/l	90
29) Tetrahydrofuran	7.841	42	79515	108.584	ug/l	94
30) Chloroform	7.965	83	70586	19.215	ug/l	100
31) Cyclohexane	8.253	56	56613	17.331	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	65446	19.574	ug/l	99
36) 1,1-Dichloropropene	8.371	75	46594	17.906	ug/l	98
37) Ethyl Acetate	7.553	43	49828	21.105	ug/l	97
38) Carbon Tetrachloride	8.353	117	55495	19.080	ug/l	97
39) Methylcyclohexane	9.594	83	48395	18.281	ug/l	97
40) Benzene	8.600	78	155569	18.616	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26658	20.997 ug/l	95
42) 1,2-Dichloroethane	8.665	62	52550	19.417 ug/l	100
43) Isopropyl Acetate	8.682	43	84614	18.797 ug/l	98
44) Trichloroethene	9.353	130	35954	18.655 ug/l	94
45) 1,2-Dichloropropane	9.618	63	36767	18.755 ug/l	97
46) Dibromomethane	9.706	93	27266	19.711 ug/l	98
47) Bromodichloromethane	9.888	83	56233	19.285 ug/l #	98
48) Methyl methacrylate	9.677	41	37901	20.627 ug/l	97
49) 1,4-Dioxane	9.694	88	15636	480.210 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	250598	111.343 ug/l	98
52) Toluene	10.629	92	95723	19.585 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57070	18.908 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	60551	18.955 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	37192	20.202 ug/l	95
56) Ethyl methacrylate	10.871	69	57790	21.701 ug/l	96
57) 1,3-Dichloropropane	11.159	76	63144	19.984 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	139887	112.259 ug/l	96
59) 2-Hexanone	11.194	43	184568	112.663 ug/l	98
60) Dibromochloromethane	11.359	129	43079	20.531 ug/l	98
61) 1,2-Dibromoethane	11.471	107	37618	19.953 ug/l	97
64) Tetrachloroethene	11.100	164	31525	19.248 ug/l	98
65) Chlorobenzene	11.888	112	100856	18.308 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	38908	20.306 ug/l	95
67) Ethyl Benzene	11.959	91	173400	18.858 ug/l	96
68) m/p-Xylenes	12.071	106	134607	38.667 ug/l	98
69) o-Xylene	12.394	106	64664	19.856 ug/l	99
70) Styrene	12.412	104	110872	19.517 ug/l	99
71) Bromoform	12.576	173	29882	20.725 ug/l #	96
73) Isopropylbenzene	12.694	105	162742	19.230 ug/l	100
74) N-amyl acetate	12.494	43	71201	19.767 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55464	19.635 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	52127m	21.593 ug/l	
77) Bromobenzene	12.976	156	41887	18.411 ug/l	93
78) n-propylbenzene	13.035	91	185049	18.660 ug/l	97
79) 2-Chlorotoluene	13.123	91	121386	18.733 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	137545	19.609 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	18734	18.411 ug/l	97
82) 4-Chlorotoluene	13.217	91	123905	18.169 ug/l	100
83) tert-Butylbenzene	13.435	119	112585	19.394 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	142262	19.651 ug/l	100
85) sec-Butylbenzene	13.612	105	153424	18.710 ug/l	100
86) p-Isopropyltoluene	13.729	119	128285	19.076 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	76875	17.314 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	76001	17.947 ug/l	98
89) n-Butylbenzene	14.053	91	103692	16.483 ug/l	98
90) Hexachloroethane	14.329	117	26245	17.500 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	77341	18.127 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11666	20.386 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	39374	16.860 ug/l	97
94) Hexachlorobutadiene	15.494	225	17928	17.482 ug/l	96
95) Naphthalene	15.641	128	128477	18.380 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	39322	17.346 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

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

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

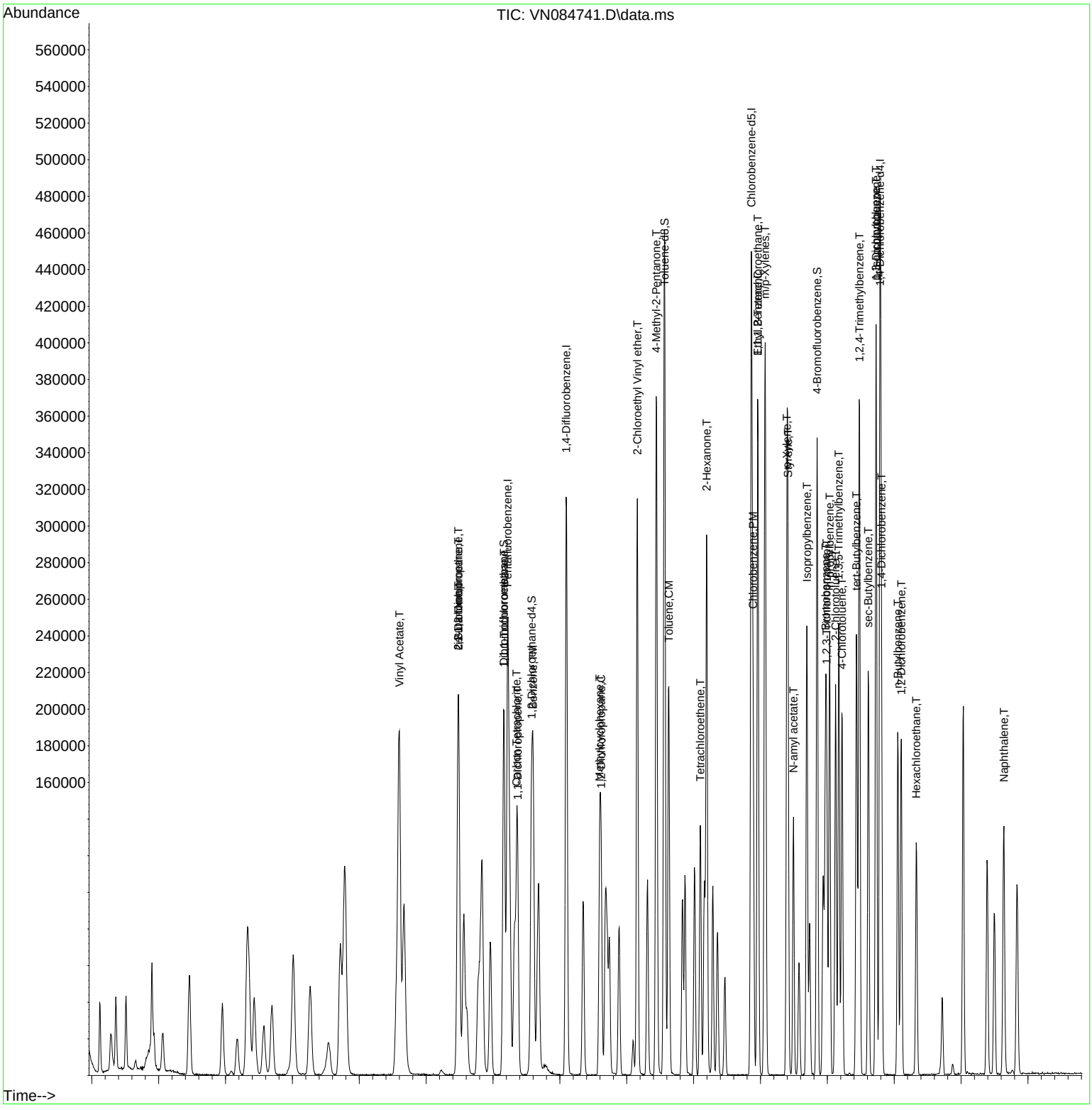
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

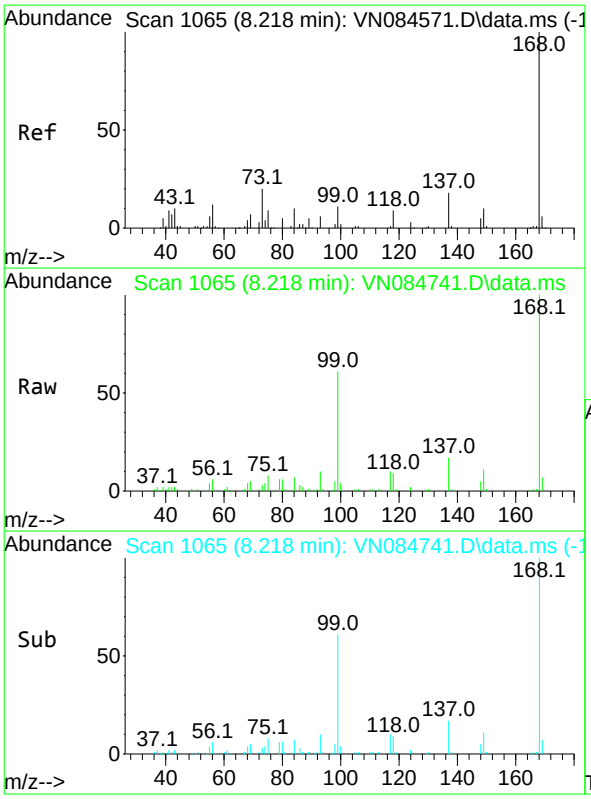
Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

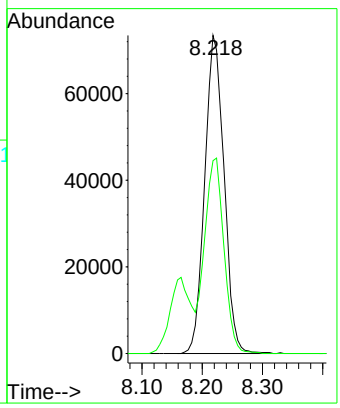




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:168 Resp: 163813

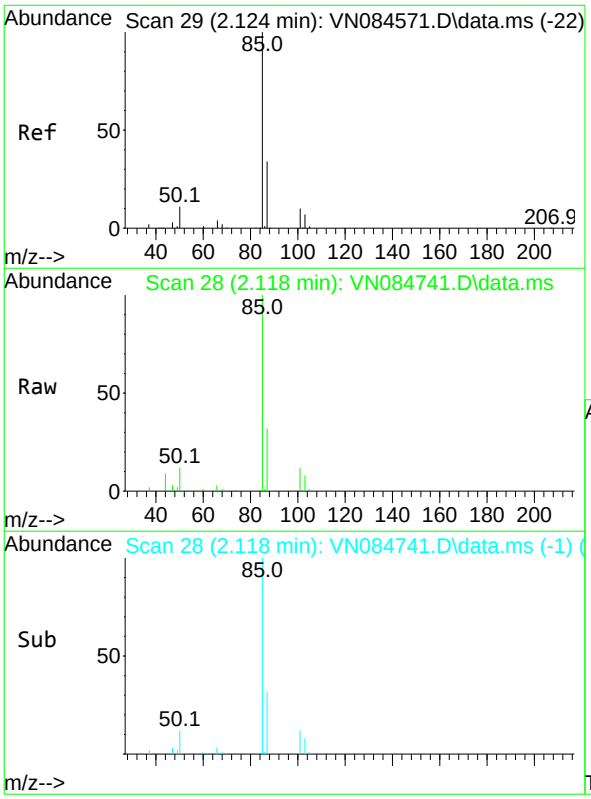
Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

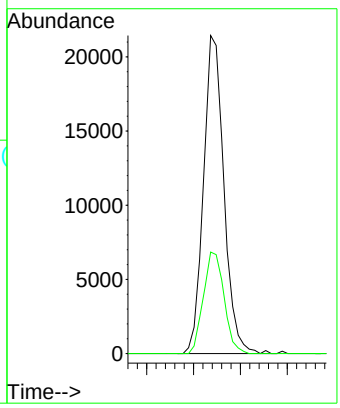
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

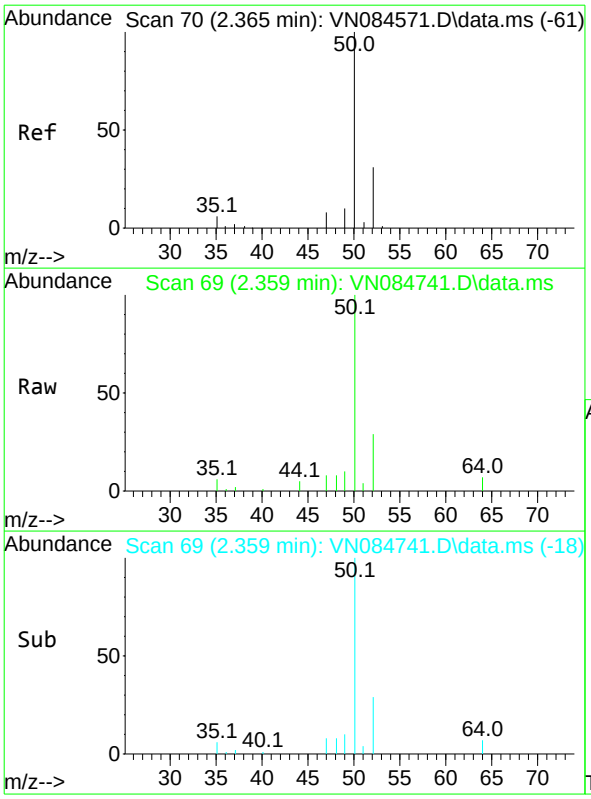


#2
Dichlorodifluoromethane
Concen: 17.224 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 85 Resp: 32436

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.6	52.9

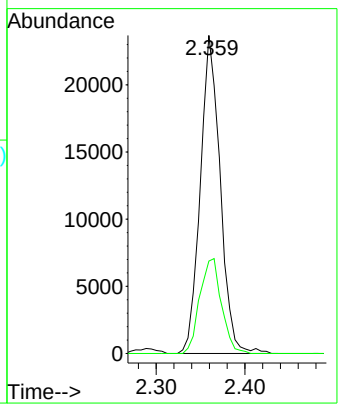




#3
Chloromethane
Concen: 14.909 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 50 Resp: 36853

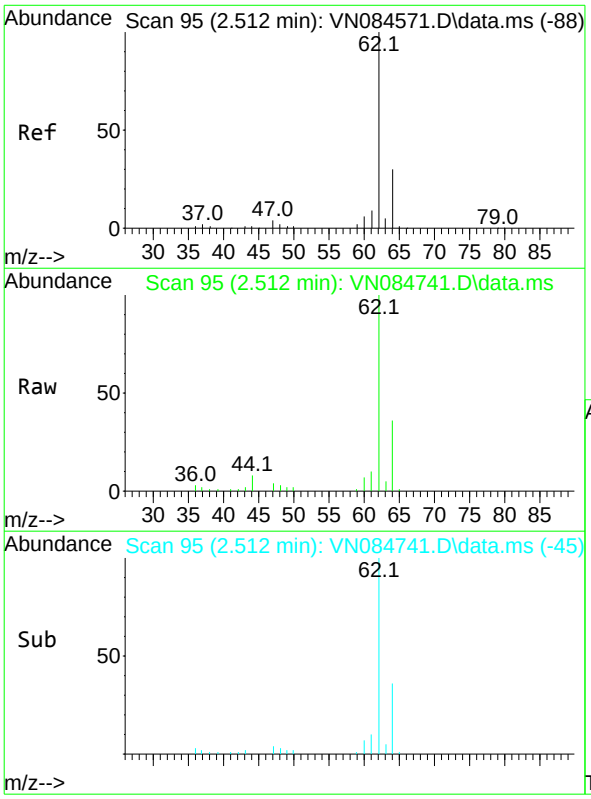
Ion	Ratio	Lower	Upper
50	100		
52	29.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

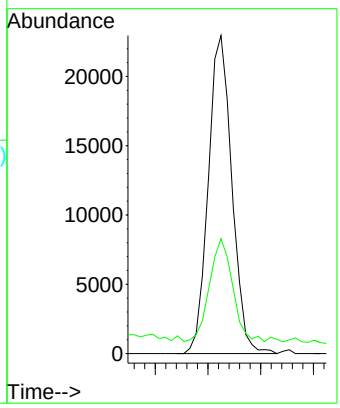
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

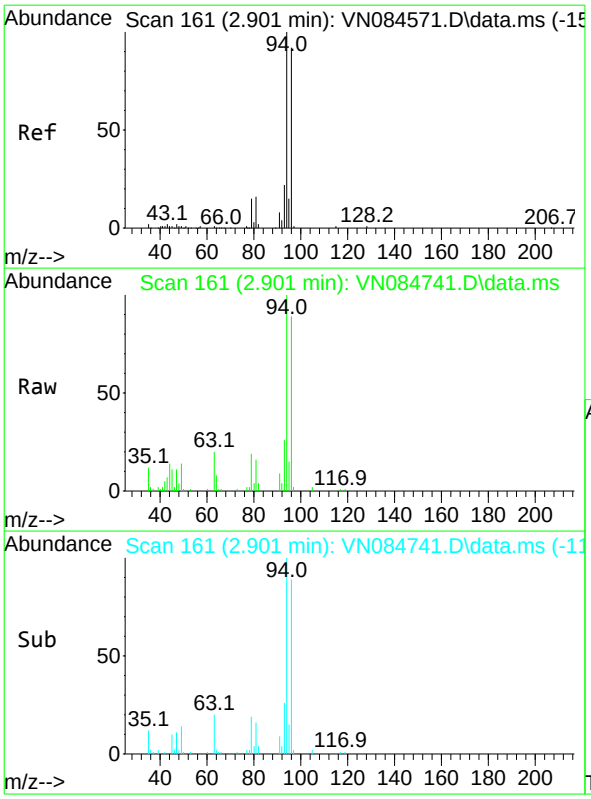


#4
Vinyl Chloride
Concen: 17.618 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 62 Resp: 35685

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4

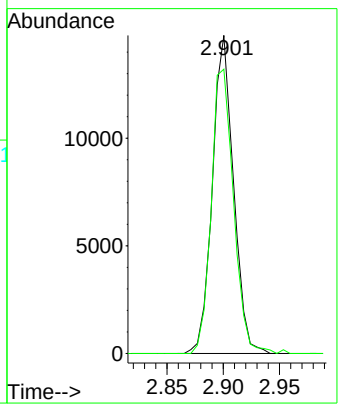




#5
Bromomethane
Concen: 17.987 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 94 Resp: 19303

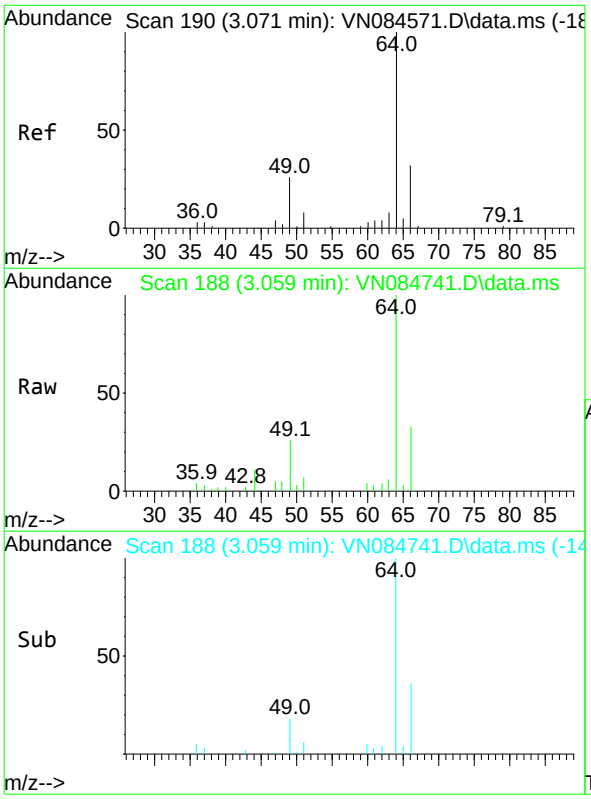
Ion	Ratio	Lower	Upper
94	100		
96	89.4	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

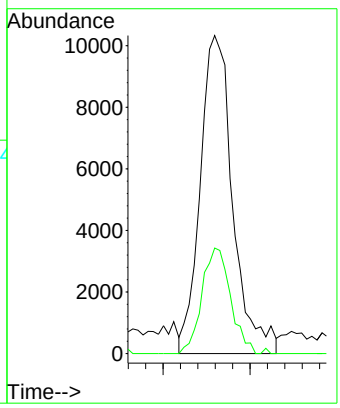
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

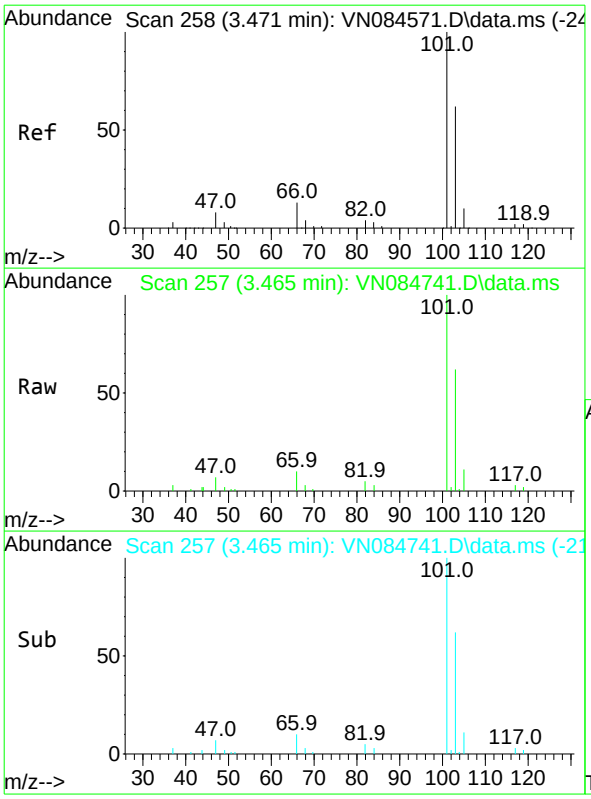


#6
Chloroethane
Concen: 20.602 ug/l m
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 64 Resp: 26858

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3

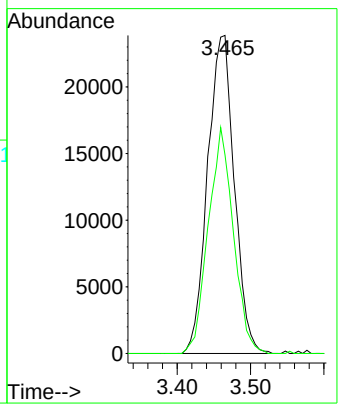




#7
Trichlorofluoromethane
Concen: 18.075 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:101 Resp: 60306

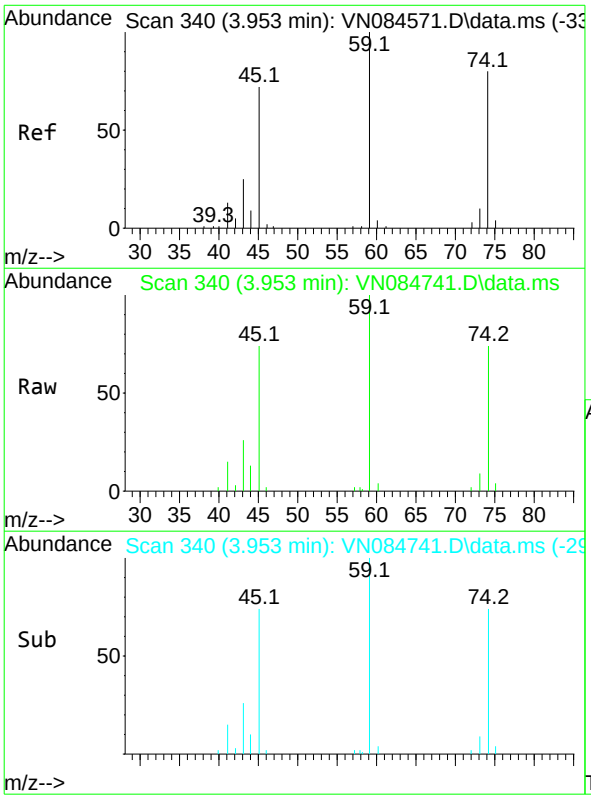
Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

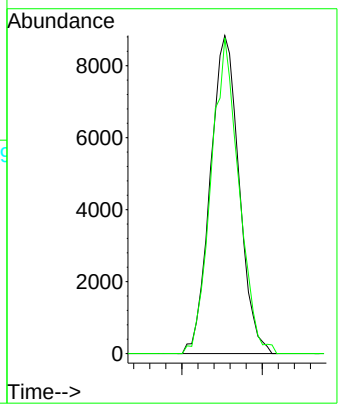
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

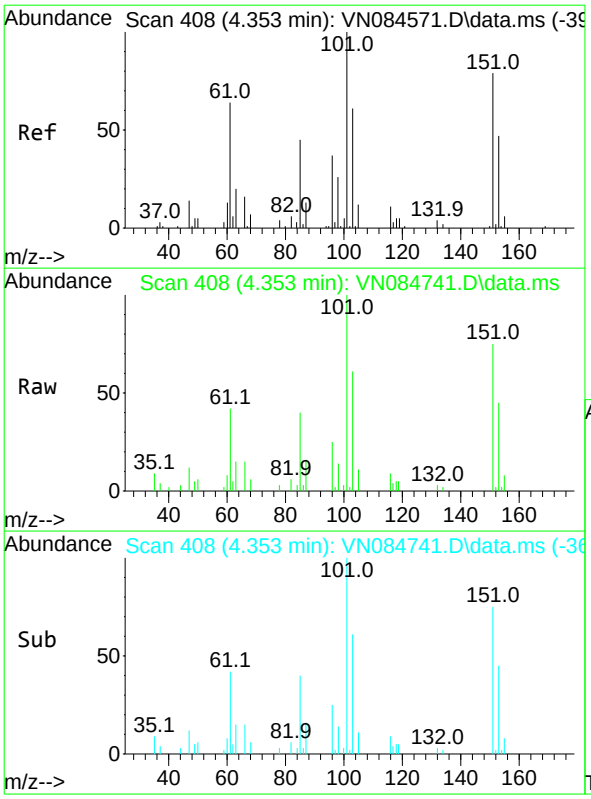


#8
Diethyl Ether
Concen: 18.664 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 74 Resp: 21967

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.7	143.1

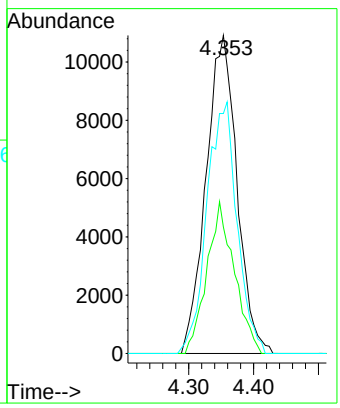




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.168 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:101 Resp: 36137

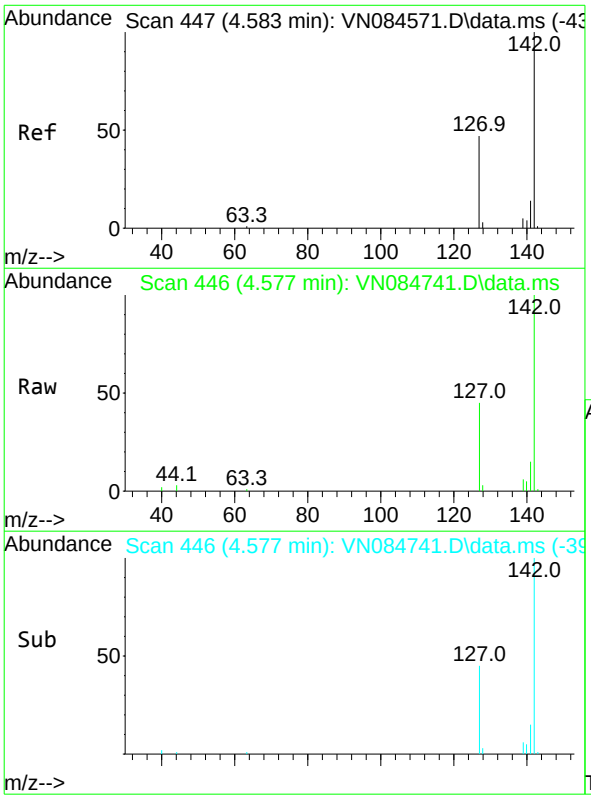
Ion	Ratio	Lower	Upper
101	100		
85	42.3	36.2	54.4
151	77.3	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

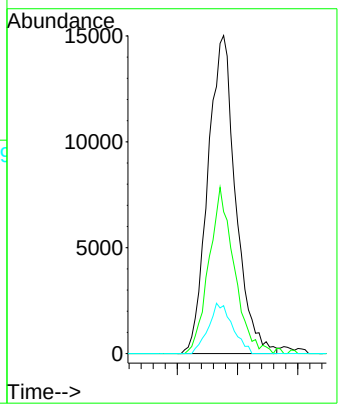
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

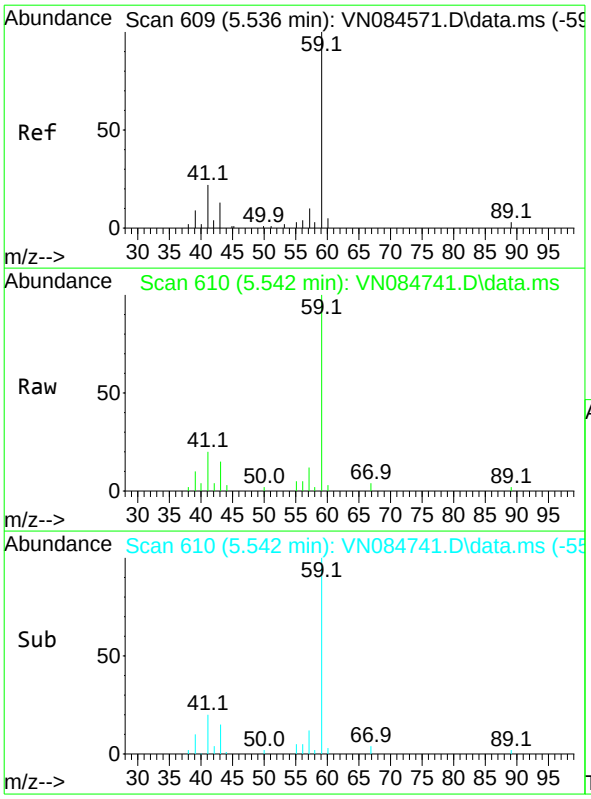


#10
Methyl Iodide
Concen: 19.067 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:142 Resp: 48044

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.3	52.9
141	15.1	11.0	16.6

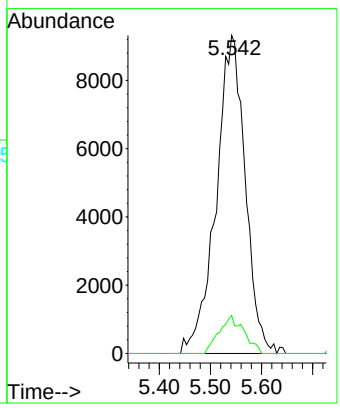




#11
Tert butyl alcohol
Concen: 117.910 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 59 Resp: 36824

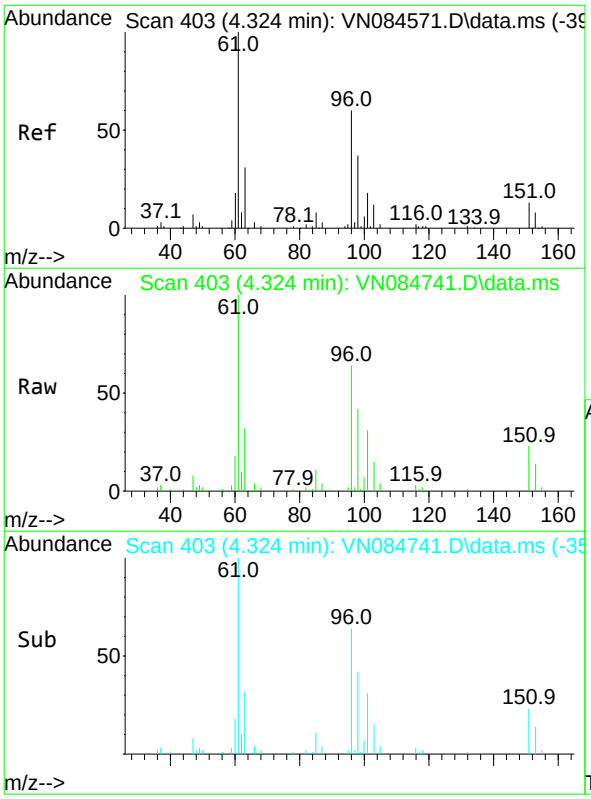
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

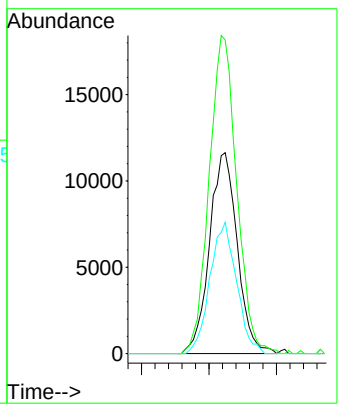
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

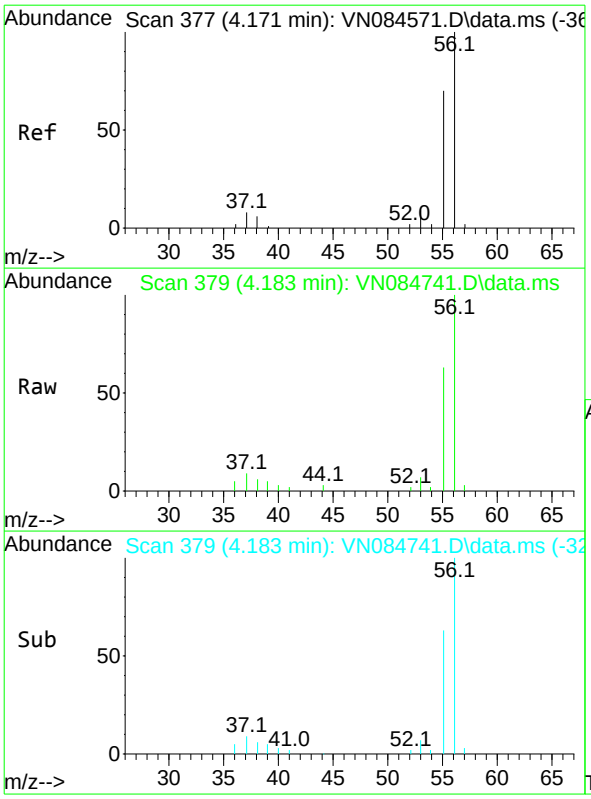


#12
1,1-Dichloroethene
Concen: 17.875 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 96 Resp: 33346

Ion	Ratio	Lower	Upper
96	100		
61	156.1	128.6	192.8
98	65.4	51.7	77.5

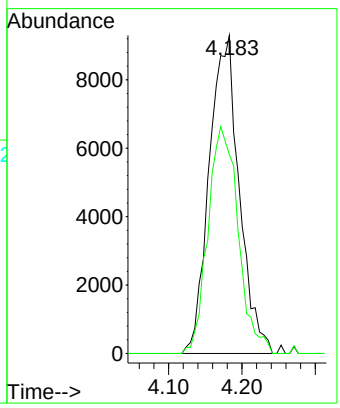




#13
Acrolein
Concen: 84.714 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 56 Resp: 26382

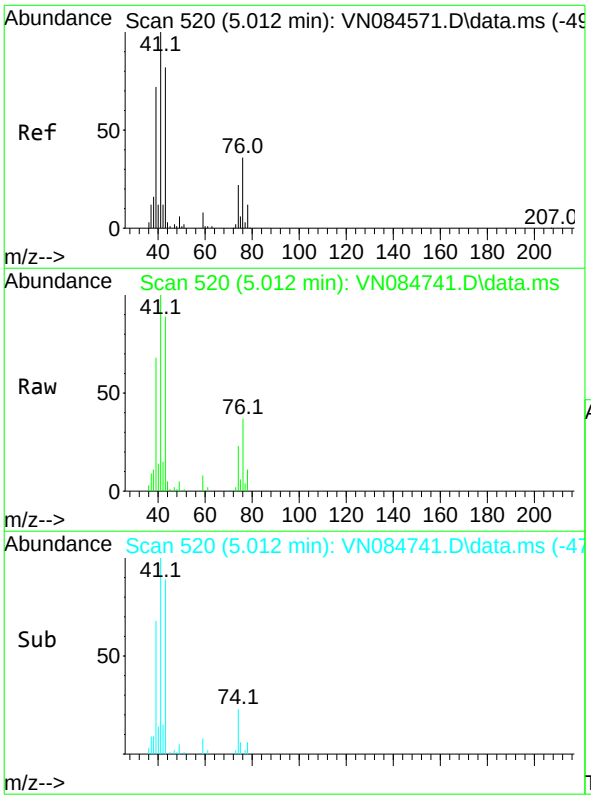
Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

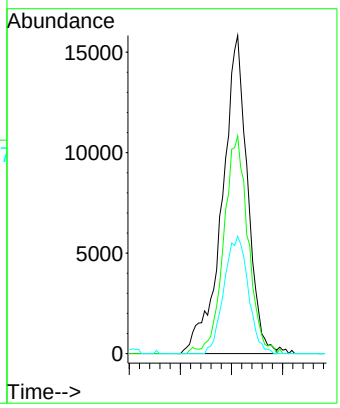
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

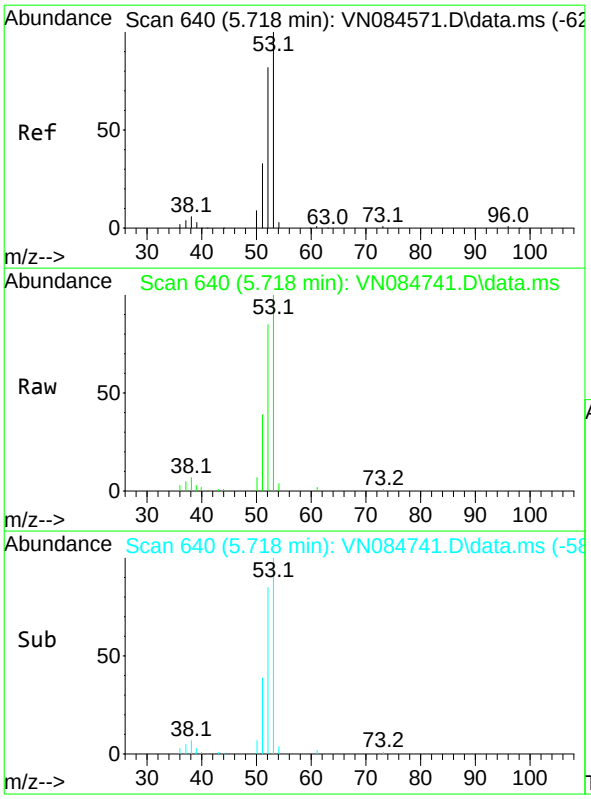


#14
Allyl chloride
Concen: 18.003 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 41 Resp: 54464

Ion	Ratio	Lower	Upper
41	100		
39	65.1	59.0	88.6
76	35.2	29.8	44.6

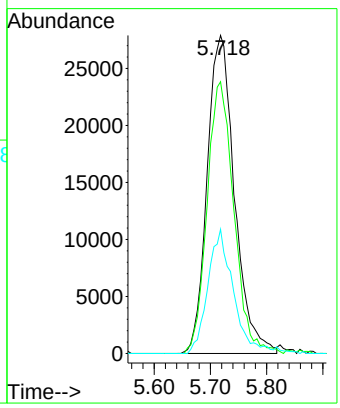




#15
Acrylonitrile
Concen: 104.440 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 53 Resp: 94426

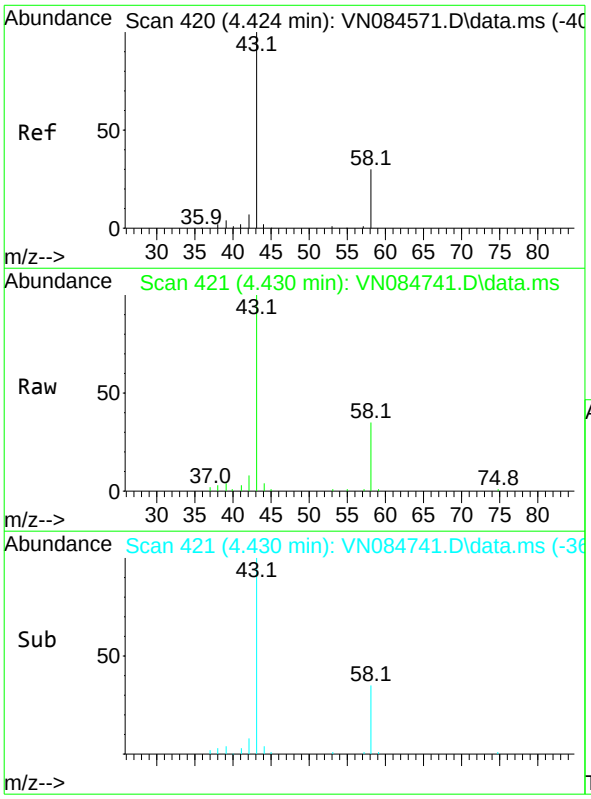
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.4
51	36.0	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

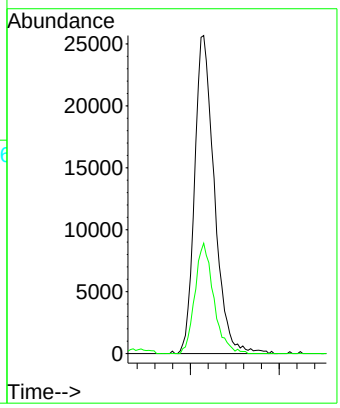
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

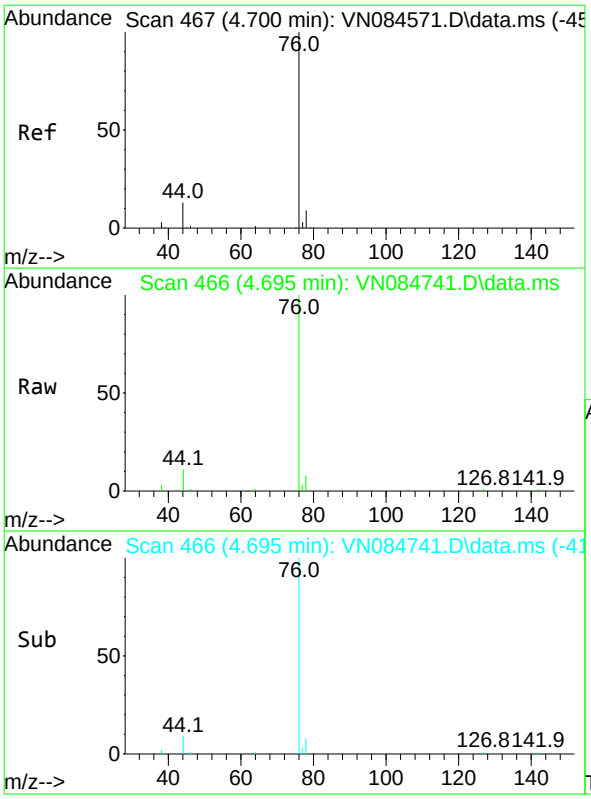


#16
Acetone
Concen: 114.465 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 79288

Ion	Ratio	Lower	Upper
43	100		
58	34.7	24.4	36.6

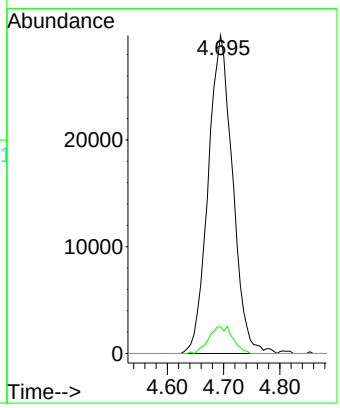




#17
Carbon Disulfide
Concen: 15.667 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 76 Resp: 90004

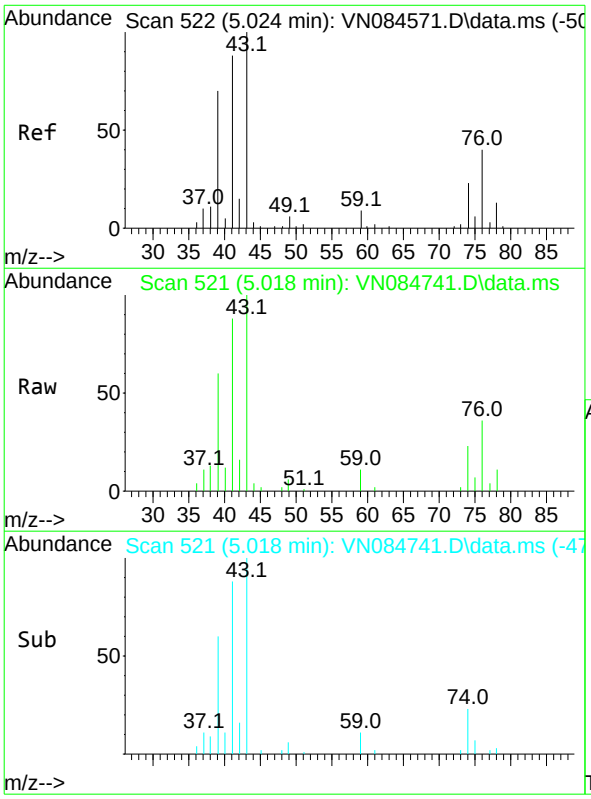
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

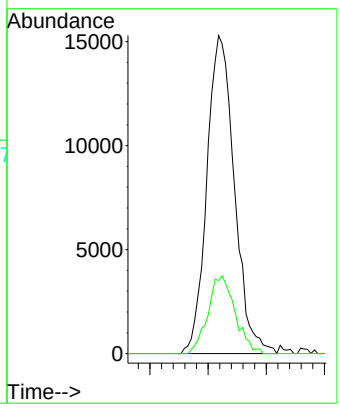
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

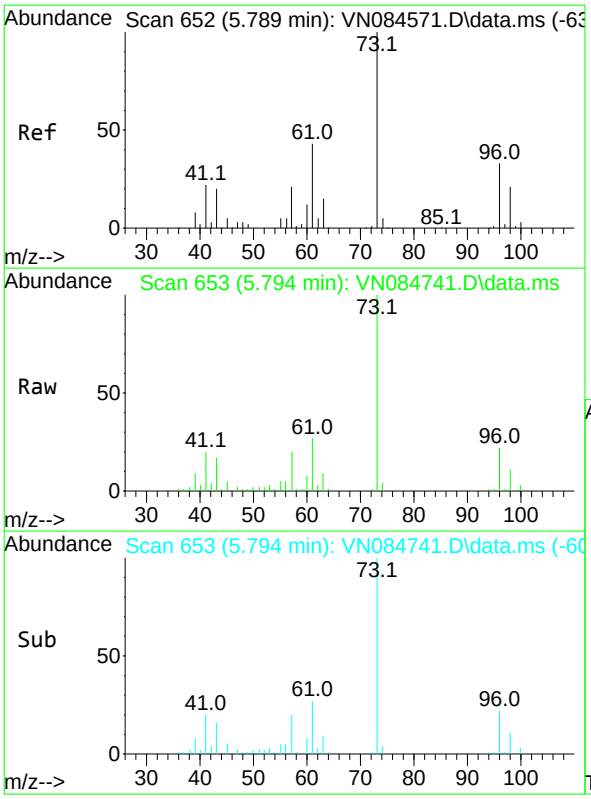


#18
Methyl Acetate
Concen: 17.548 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 50279

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8

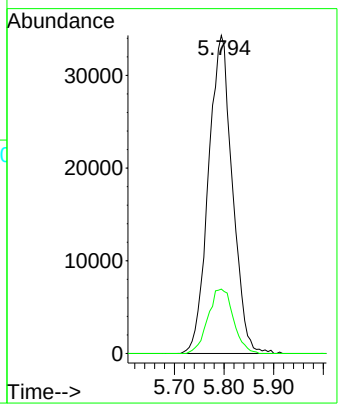




#19
Methyl tert-butyl Ether
Concen: 20.144 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 73 Resp: 115179

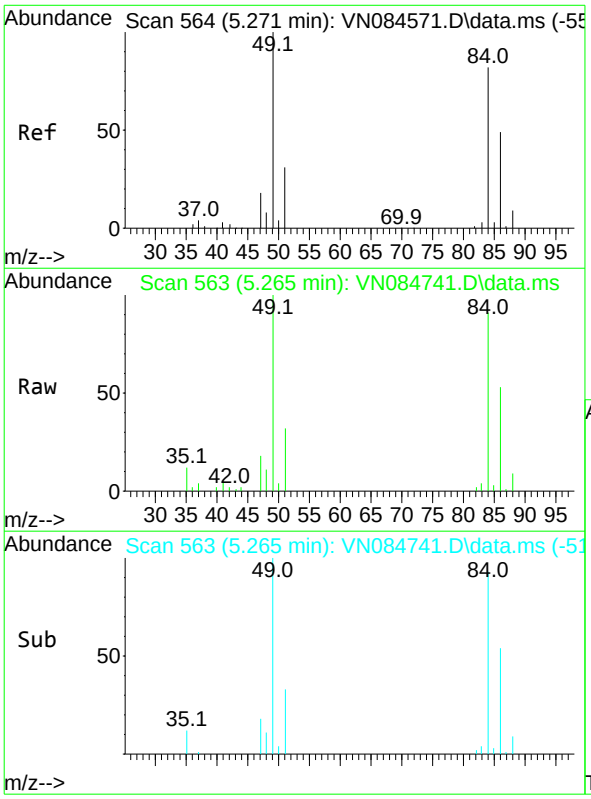
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

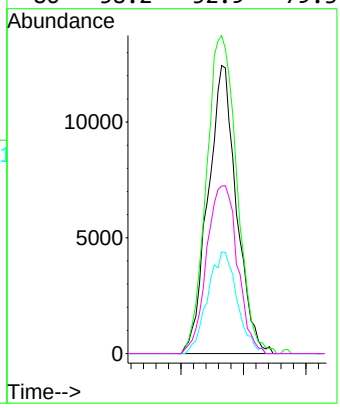
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

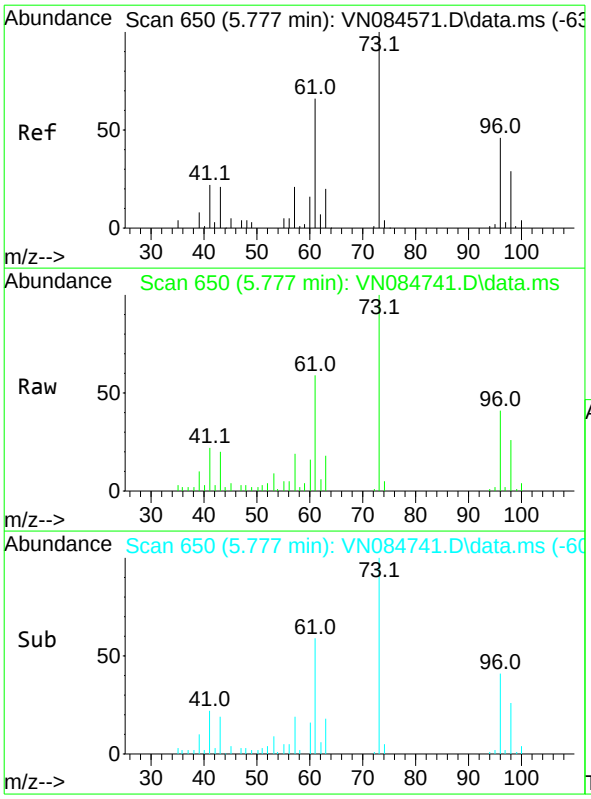


#20
Methylene Chloride
Concen: 18.914 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 84 Resp: 39358

Ion	Ratio	Lower	Upper
84	100		
49	110.4	107.2	160.8
51	35.3	31.8	47.8
86	58.2	52.9	79.3

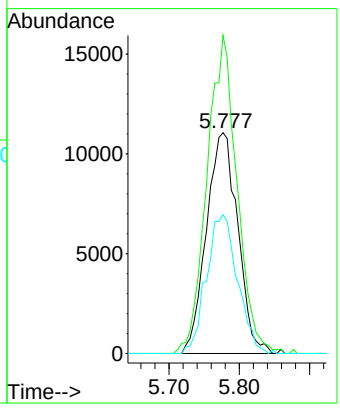




#21
trans-1,2-Dichloroethene
Concen: 17.907 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 96 Resp: 34301

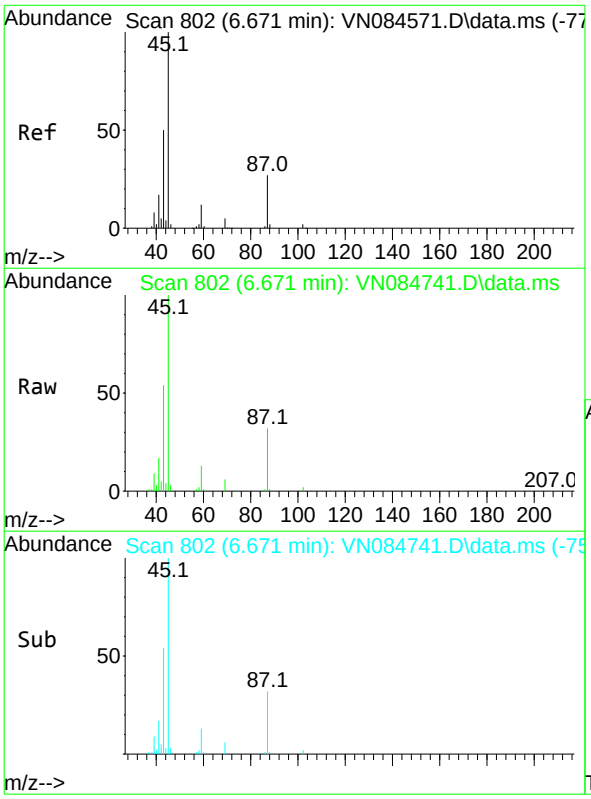
Ion	Ratio	Lower	Upper
96	100		
61	142.4	108.4	162.6
98	62.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

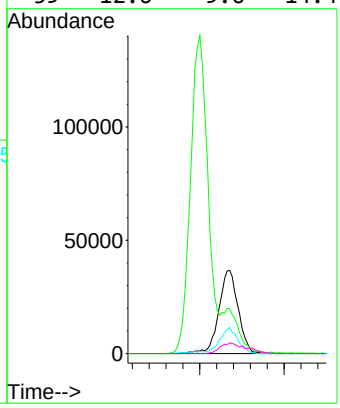
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

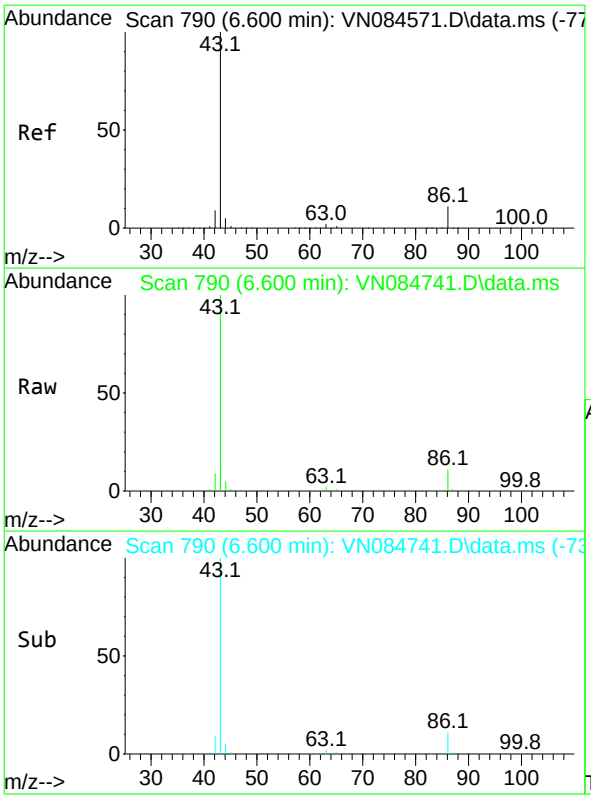


#22
Diisopropyl ether
Concen: 19.511 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 45 Resp: 117287

Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.3	63.5
87	31.7	21.8	32.6
59	12.6	9.6	14.4

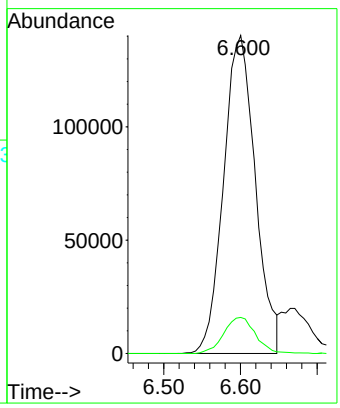




#23
Vinyl Acetate
Concen: 97.566 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 404463

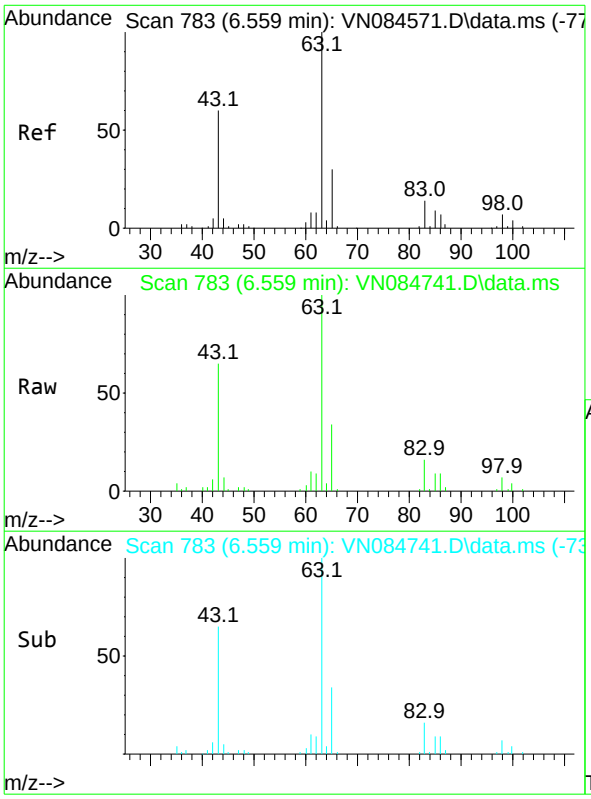
Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

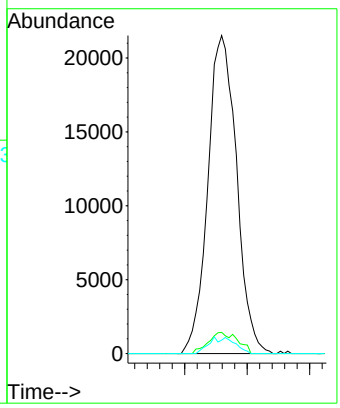
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

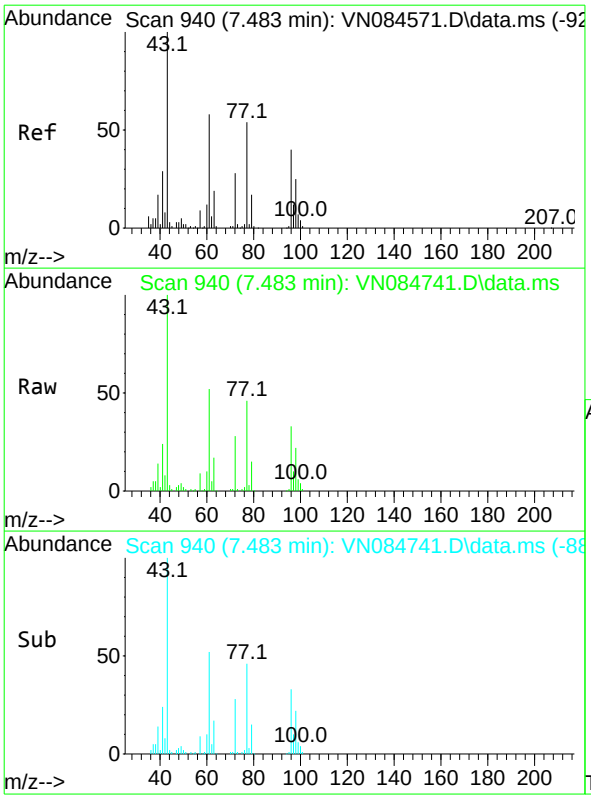


#24
1,1-Dichloroethane
Concen: 19.042 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 63 Resp: 68723

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.2	2.0	5.8

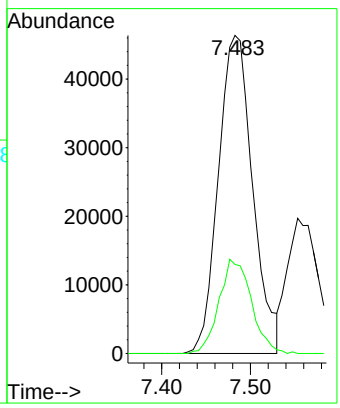




#25
2-Butanone
Concen: 112.857 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 124574

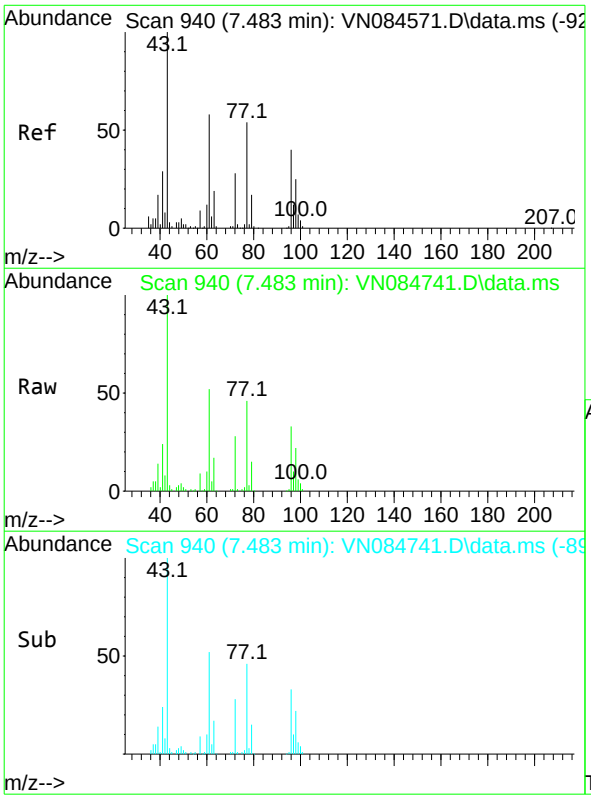
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

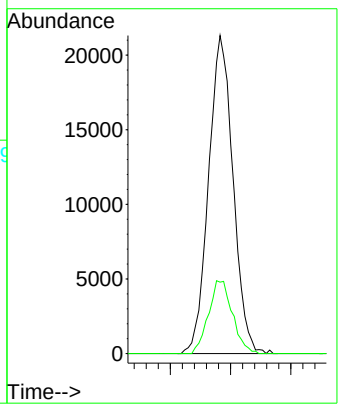
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

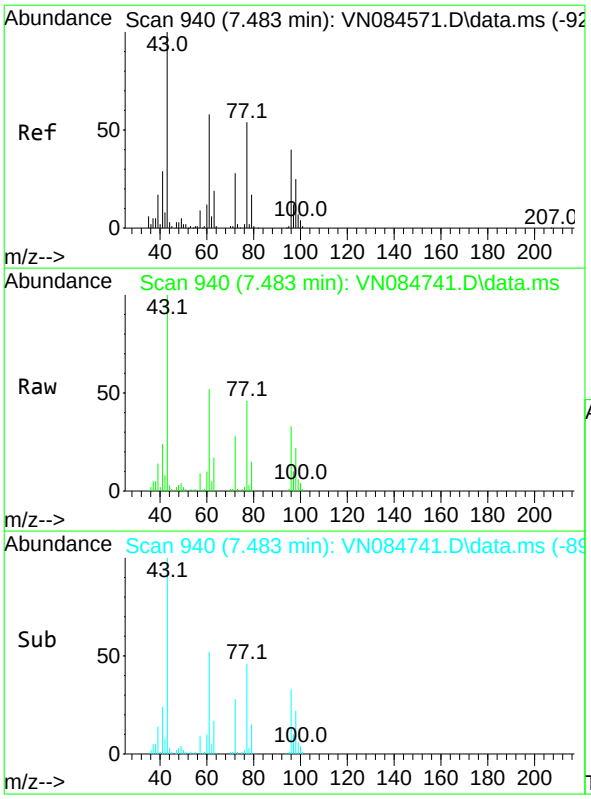


#26
2,2-Dichloropropane
Concen: 19.137 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 77 Resp: 60114

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3

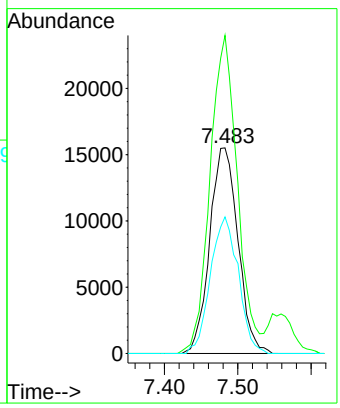




#27
cis-1,2-Dichloroethene
Concen: 18.562 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 96 Resp: 41518

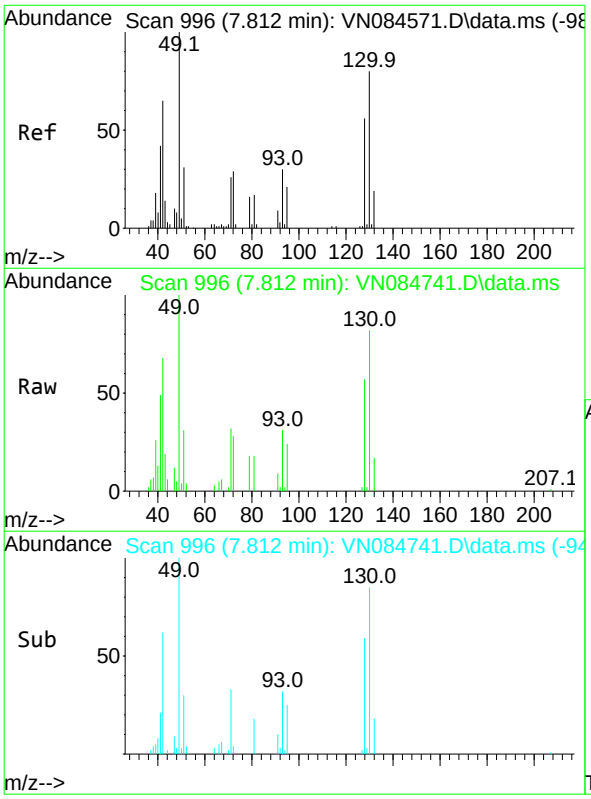
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	301.8
98	65.7	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

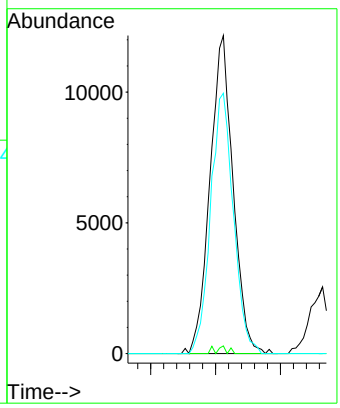
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

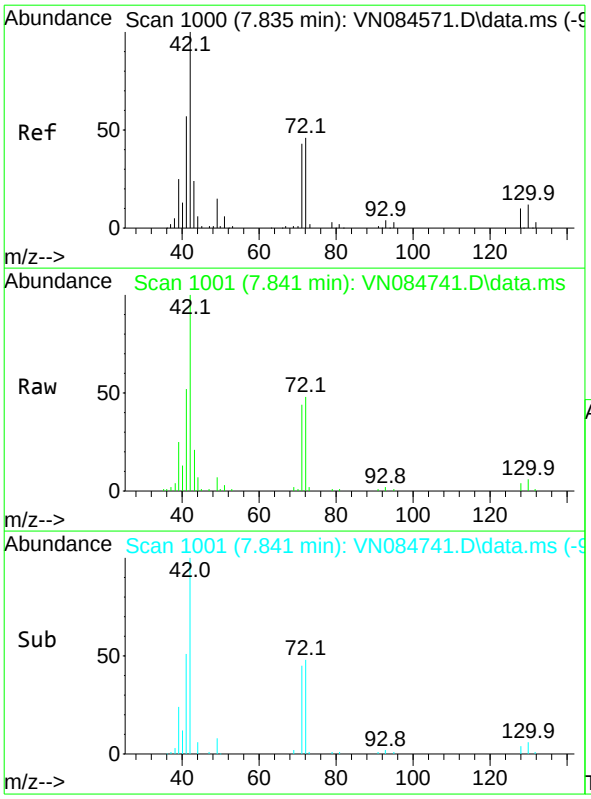


#28
Bromochloromethane
Concen: 20.937 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 49 Resp: 30106

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	80.9	58.0	87.0

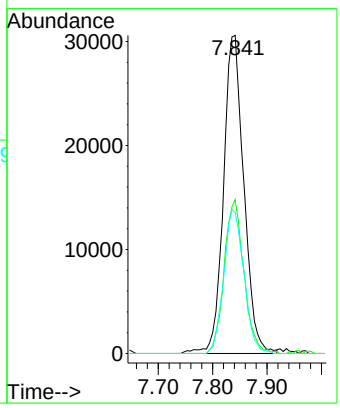




#29
Tetrahydrofuran
Concen: 108.584 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 42 Resp: 79515

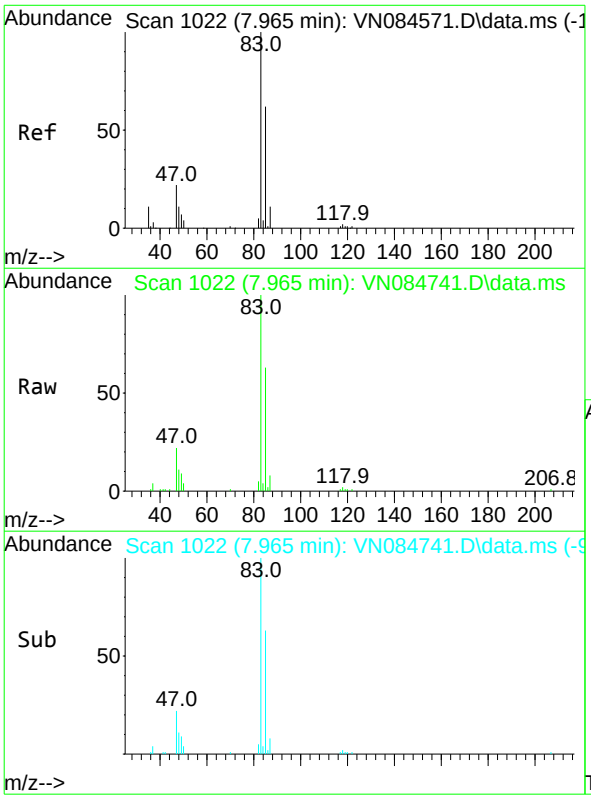
Ion	Ratio	Lower	Upper
42	100		
72	46.7	34.6	51.8
71	44.9	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

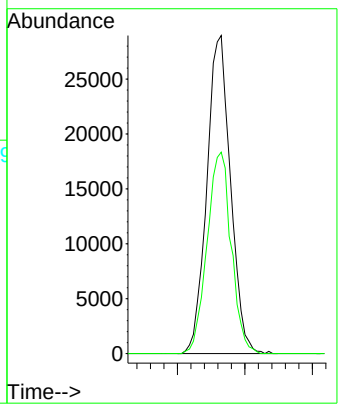
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

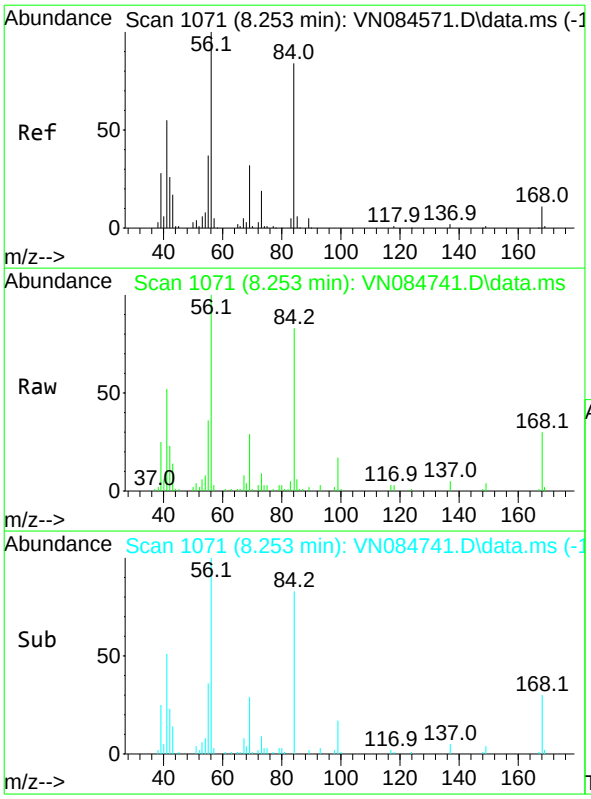


#30
Chloroform
Concen: 19.215 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 83 Resp: 70586

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.4

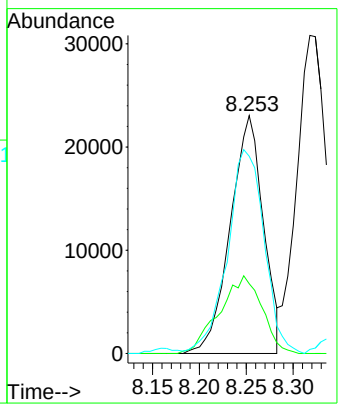




#31
Cyclohexane
Concen: 17.331 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 56 Resp: 56613

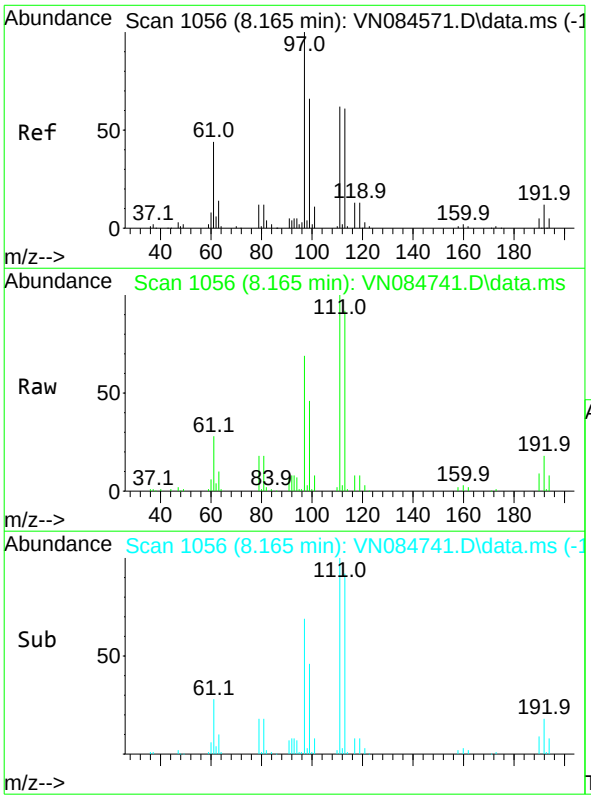
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	81.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

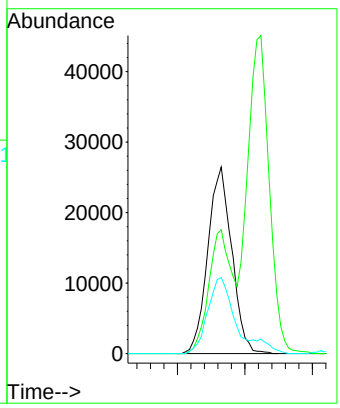
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

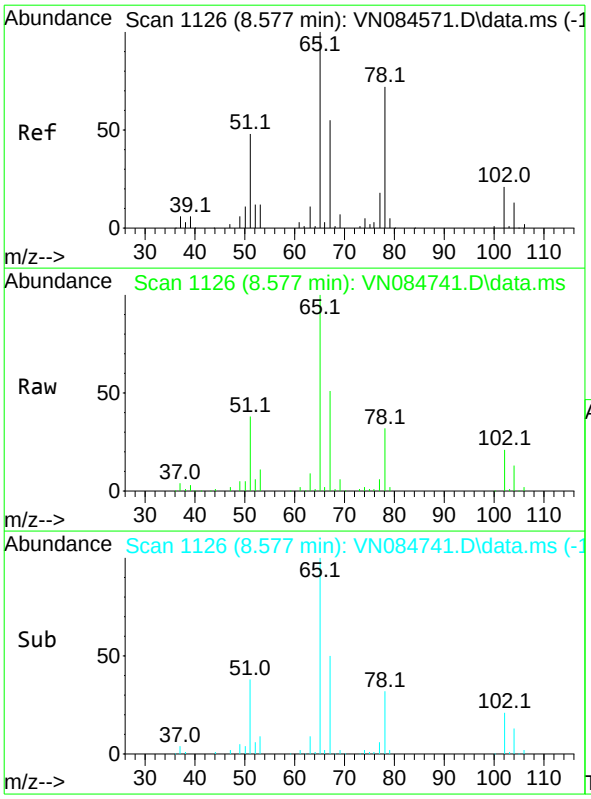


#32
1,1,1-Trichloroethane
Concen: 19.574 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 97 Resp: 65446

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	48.3	37.5	56.3





#33
1,2-Dichloroethane-d4
Concen: 47.712 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

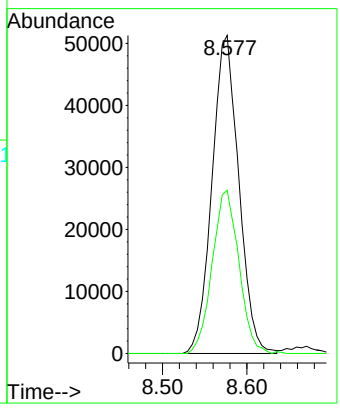
Tgt Ion: 65 Resp: 112888

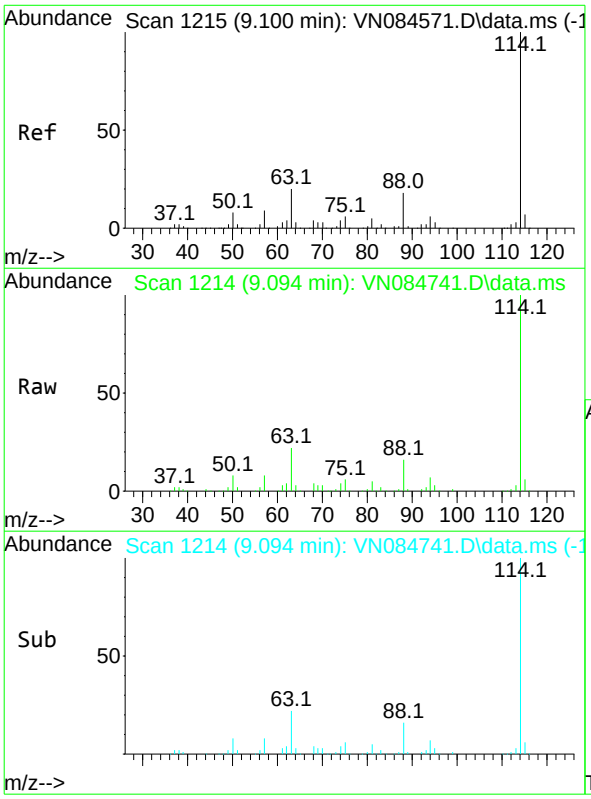
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

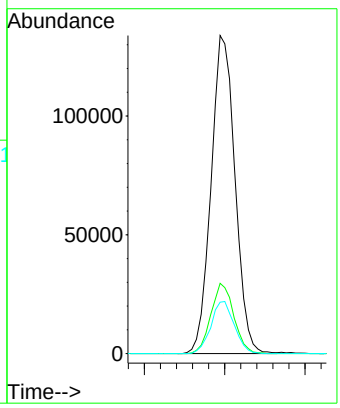


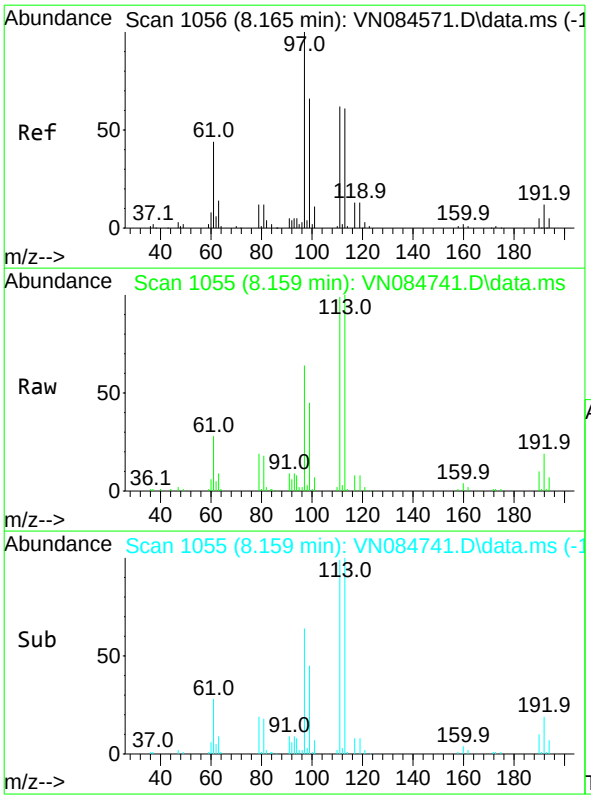


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:114 Resp: 277196

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.2	0.0	31.6

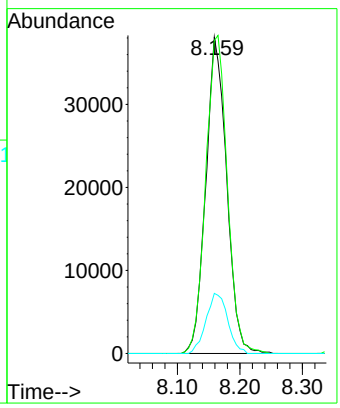




#35
Dibromofluoromethane
Concen: 47.126 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:113 Resp: 88421

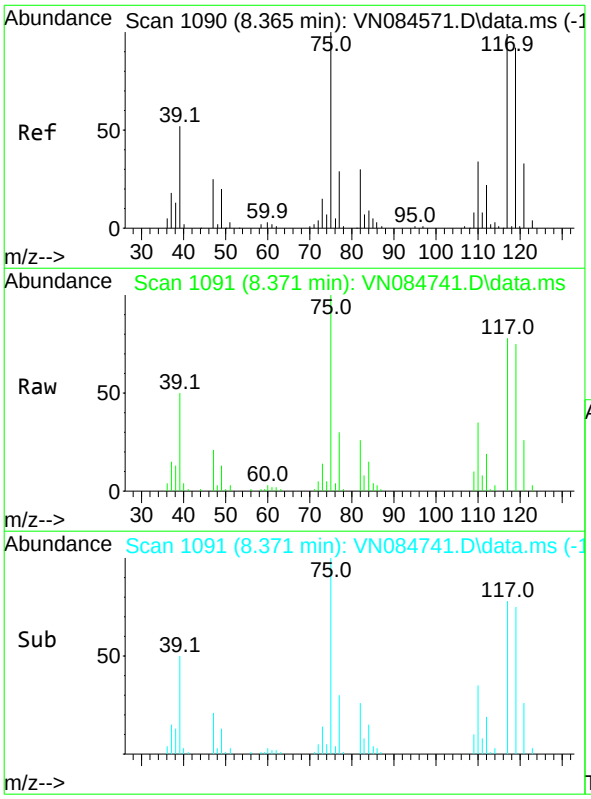
Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.3	124.9
192	19.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

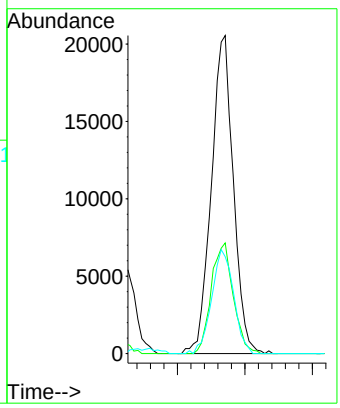
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

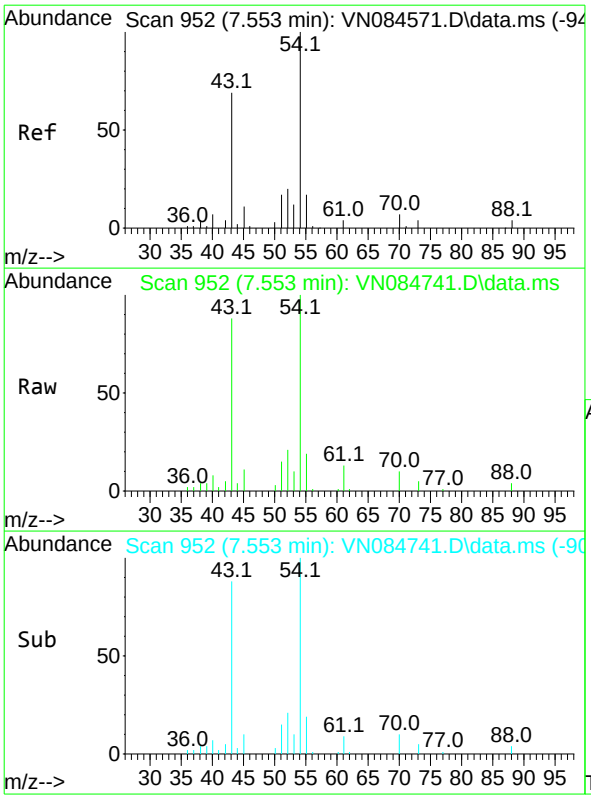


#36
1,1-Dichloropropene
Concen: 17.906 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 46594

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	32.5	24.7	37.1

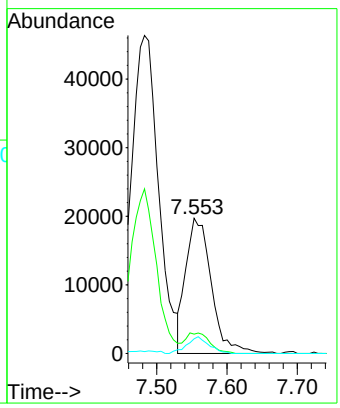




#37
Ethyl Acetate
Concen: 21.105 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 49828

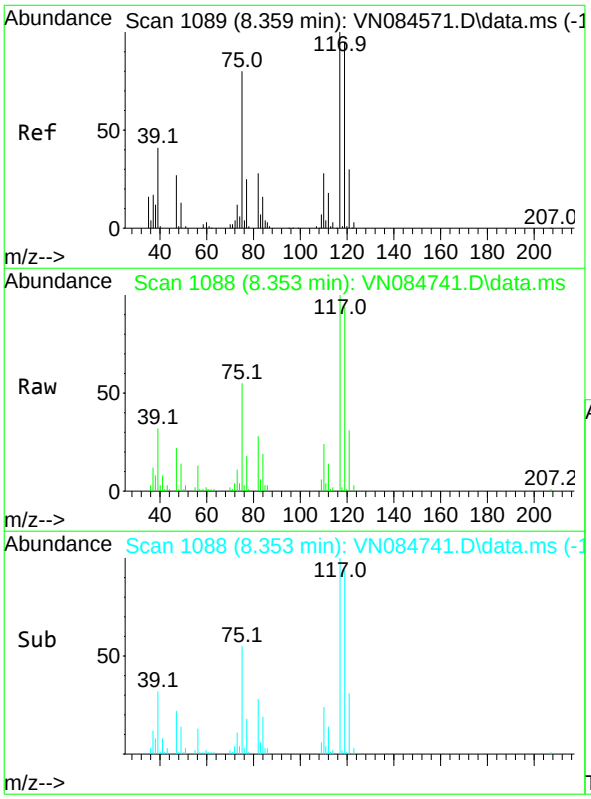
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.6	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

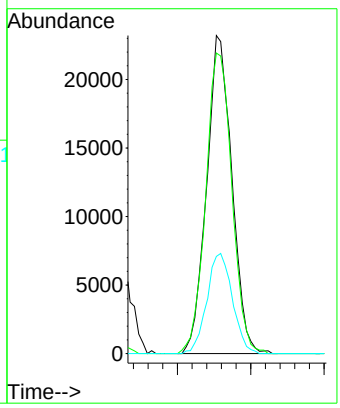
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

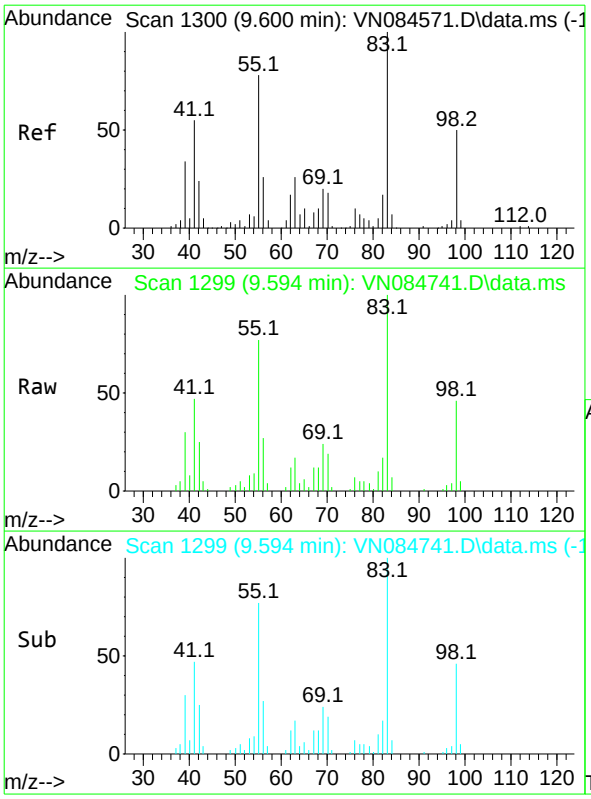


#38
Carbon Tetrachloride
Concen: 19.080 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:117 Resp: 55495

Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	30.6	24.4	36.6

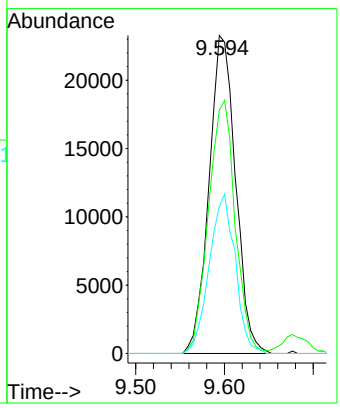




#39
Methylcyclohexane
Concen: 18.281 ug/l
RT: 9.594 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 83 Resp: 48395

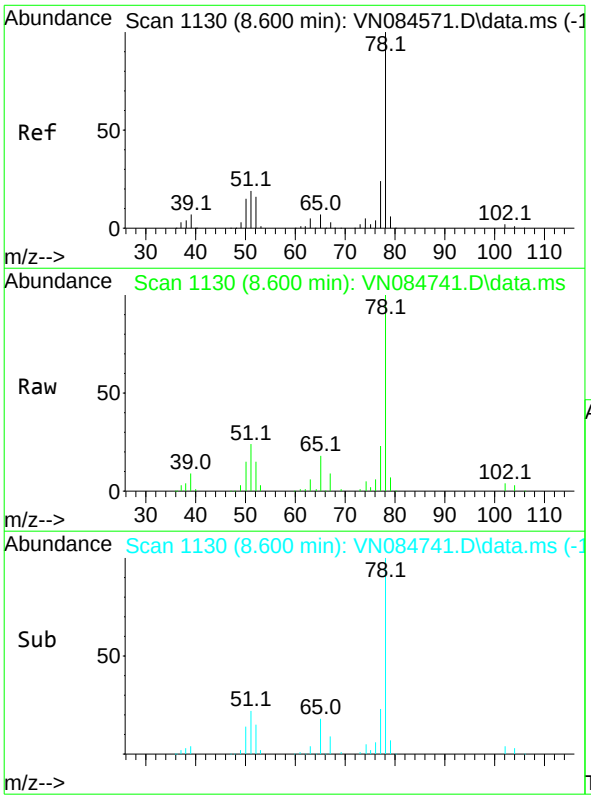
Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.8	94.2
98	46.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

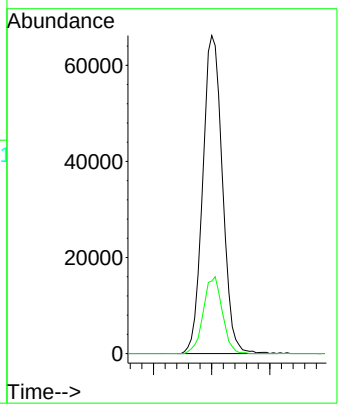
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

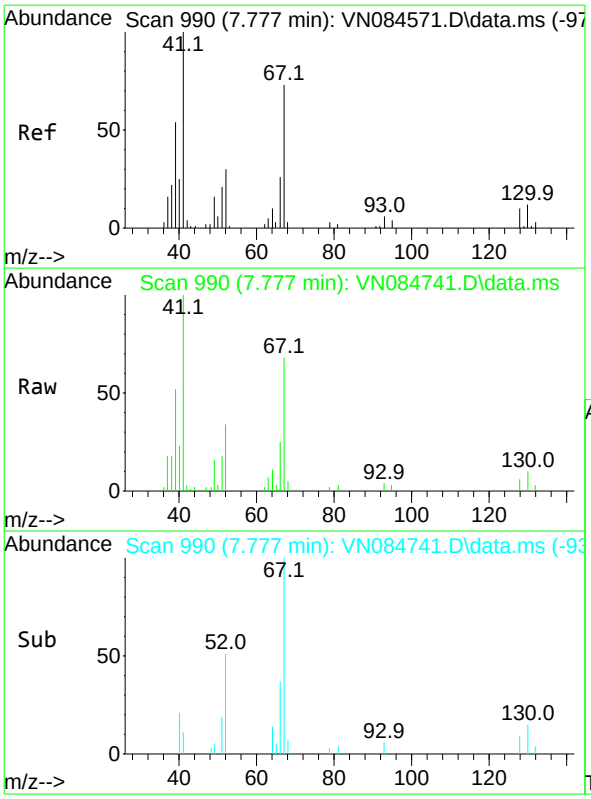


#40
Benzene
Concen: 18.616 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 78 Resp: 155569

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7

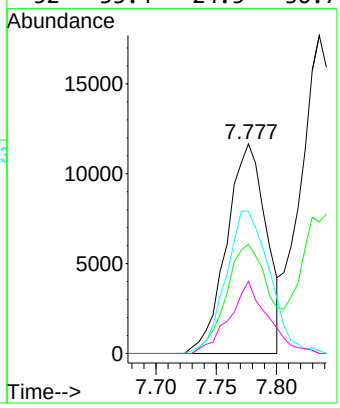




#41
Methacrylonitrile
Concen: 20.997 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 41 Resp: 26658

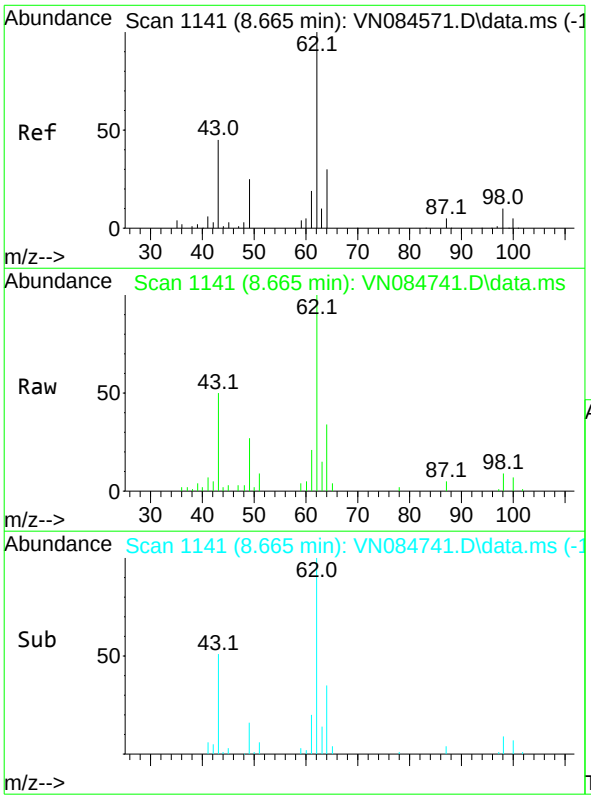
Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.3	64.9
67	74.9	56.1	84.1
52	33.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

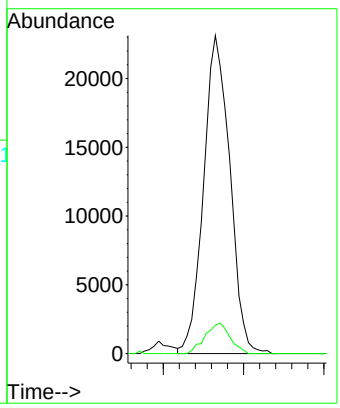
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

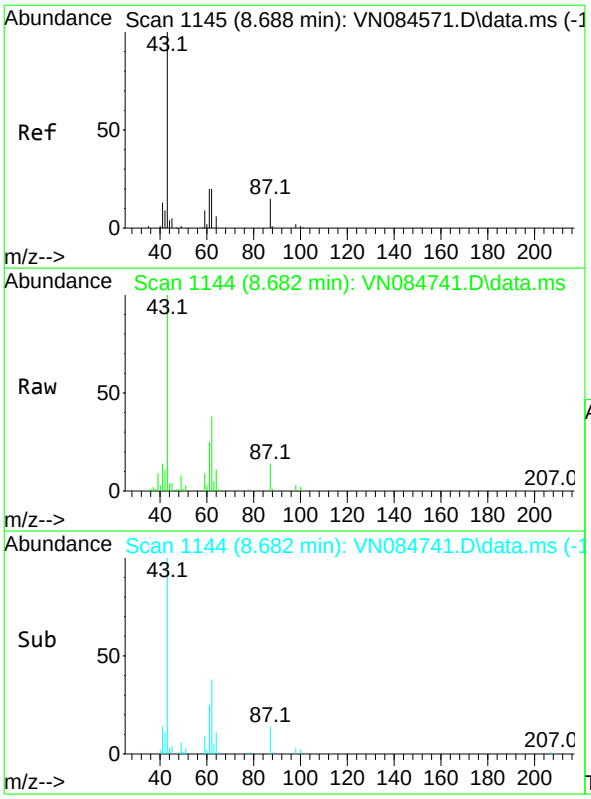


#42
1,2-Dichloroethane
Concen: 19.417 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 62 Resp: 52550

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 18.797 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

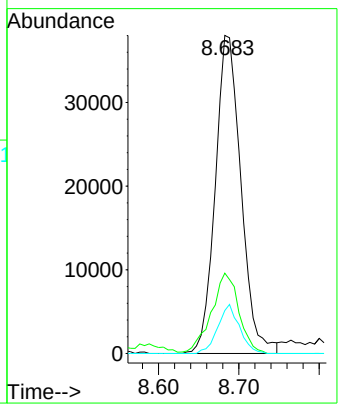
Tgt Ion: 43 Resp: 84614

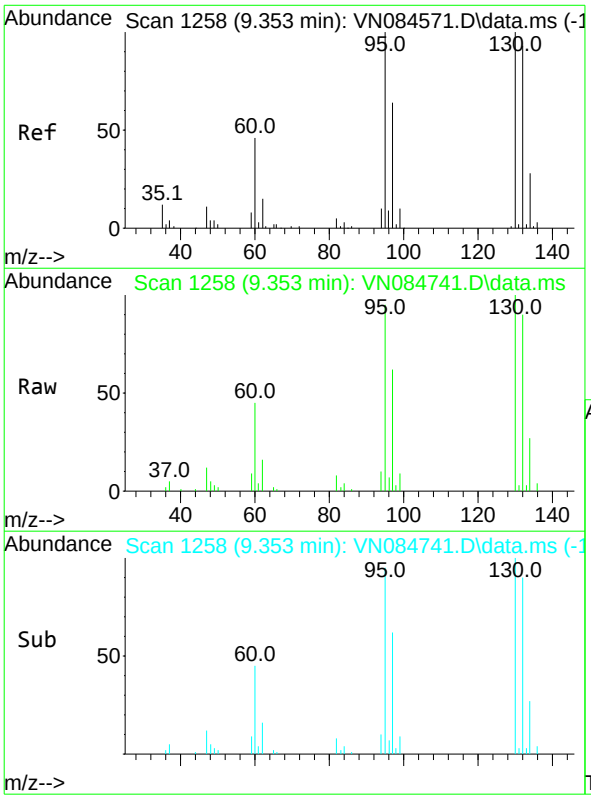
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.0	10.3	15.5

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

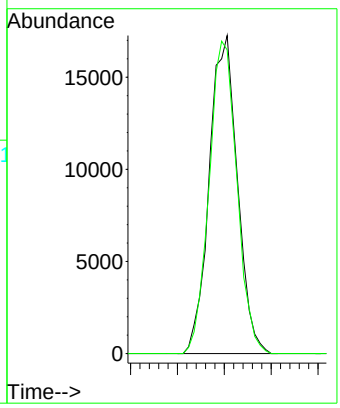


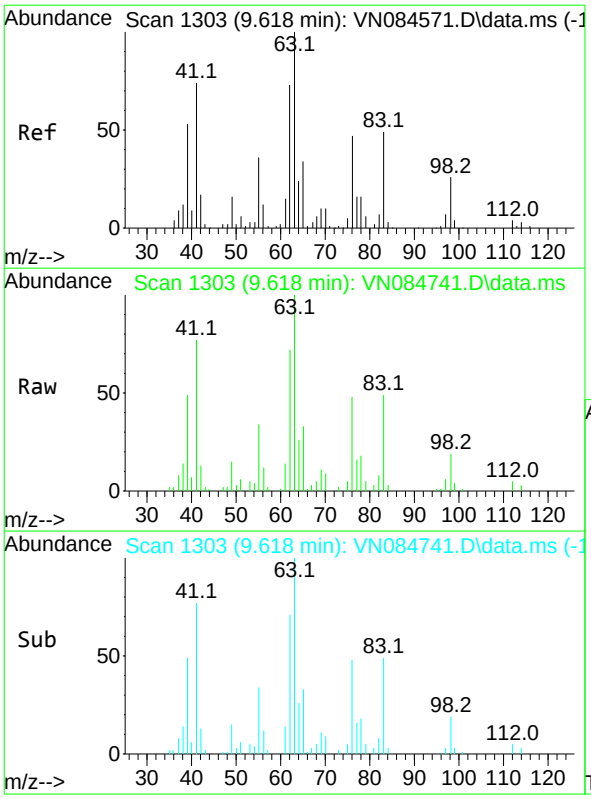


#44
Trichloroethene
Concen: 18.655 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:130 Resp: 35954

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	203.0

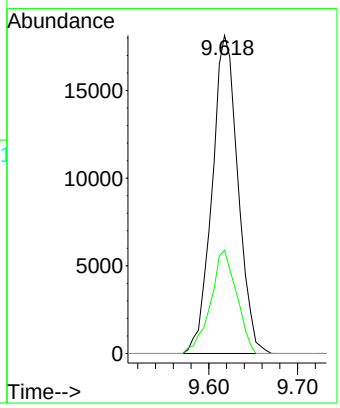




#45
1,2-Dichloropropane
Concen: 18.755 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 63 Resp: 36767

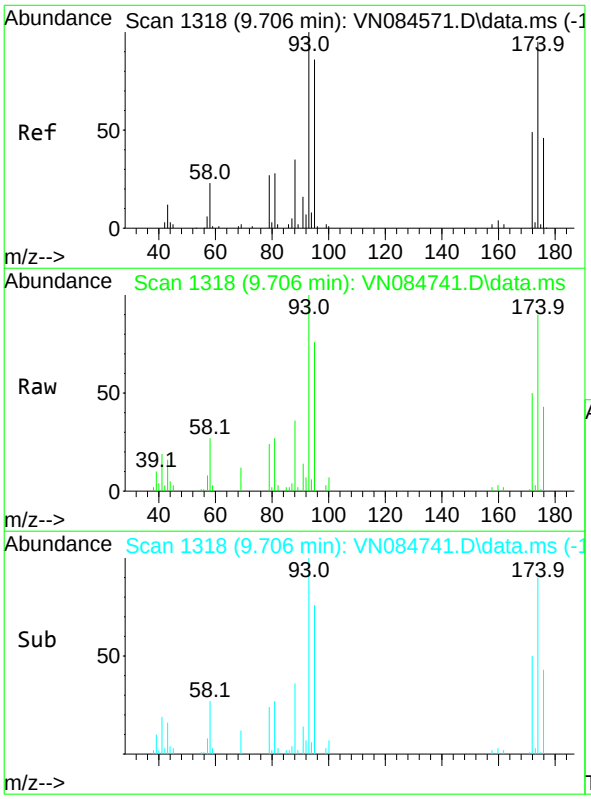
Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

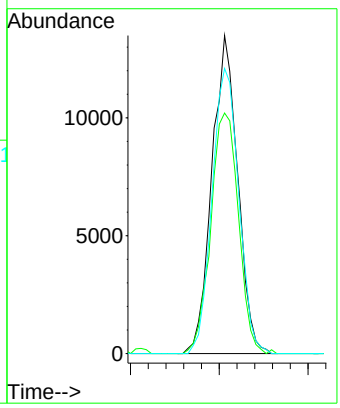
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

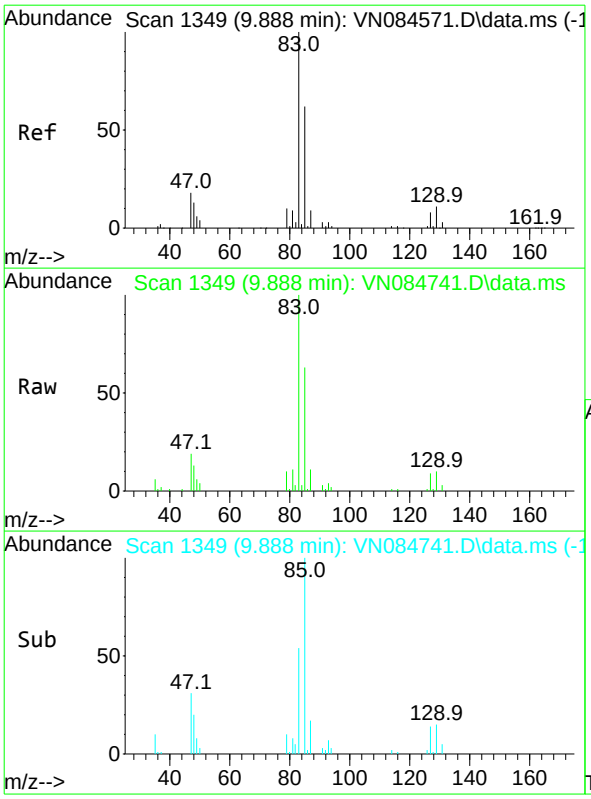


#46
Dibromomethane
Concen: 19.711 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 93 Resp: 27266

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	92.6	71.8	107.8

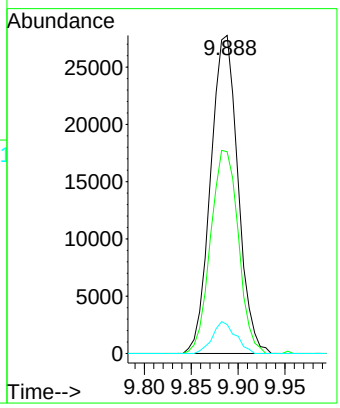




#47
Bromodichloromethane
Concen: 19.285 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 83 Resp: 56233

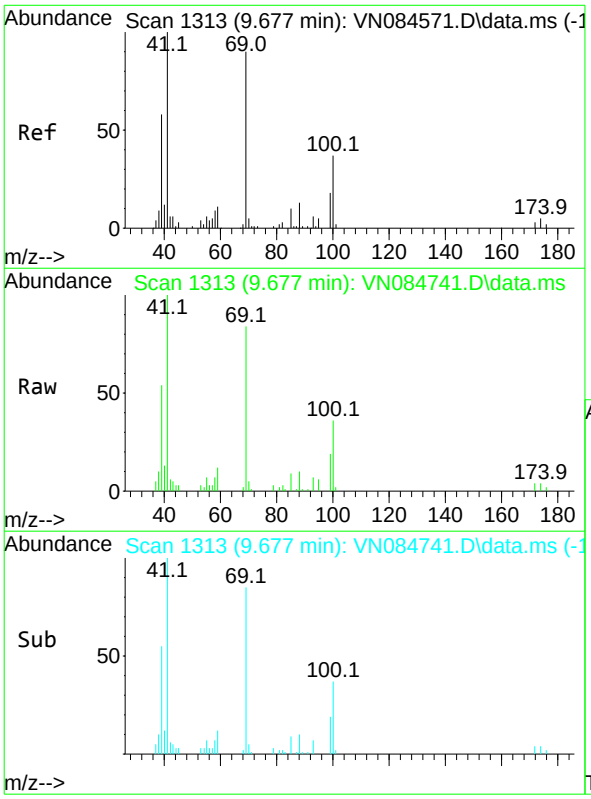
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	9.1	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

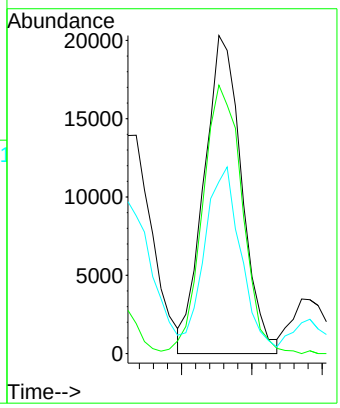
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

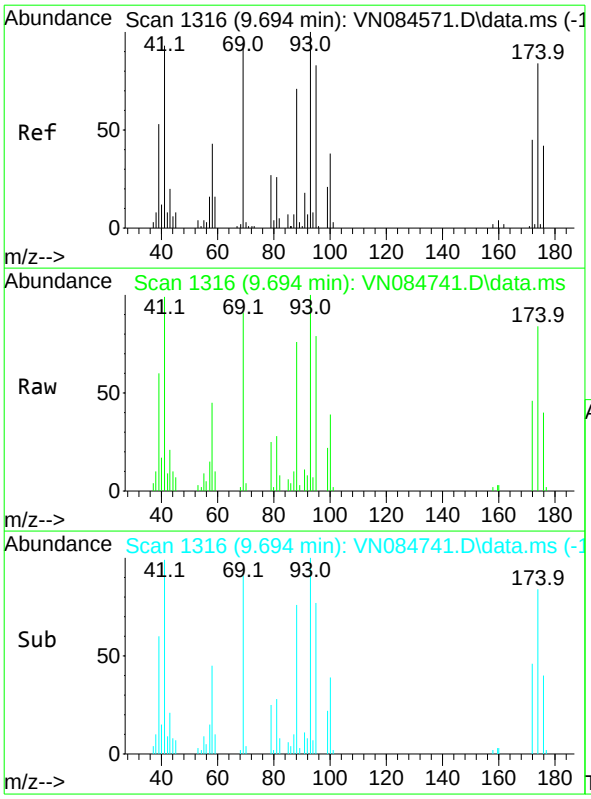


#48
Methyl methacrylate
Concen: 20.627 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 41 Resp: 37901

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.1	100.7
39	57.6	45.8	68.6

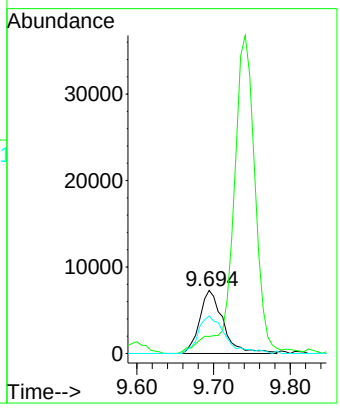




#49
1,4-Dioxane
Concen: 480.210 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 88 Resp: 15636

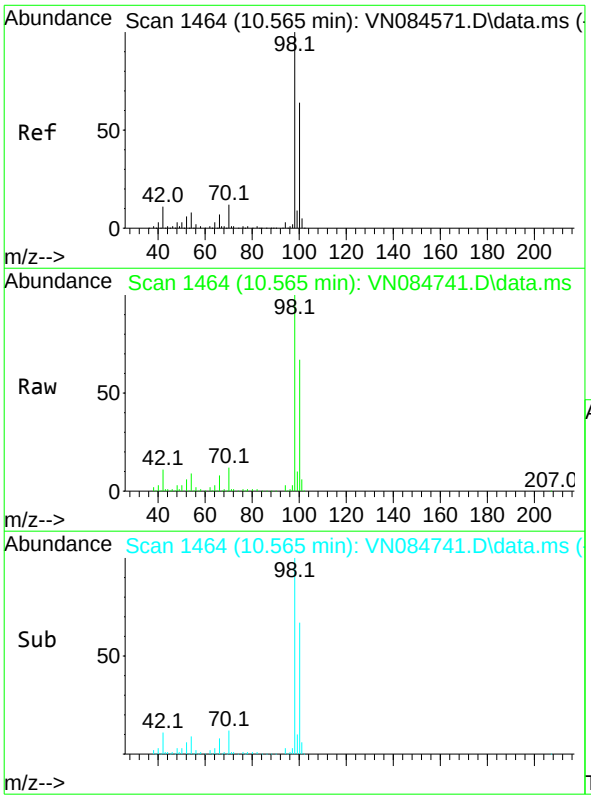
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	68.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

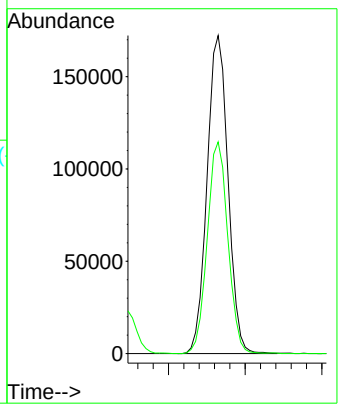
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

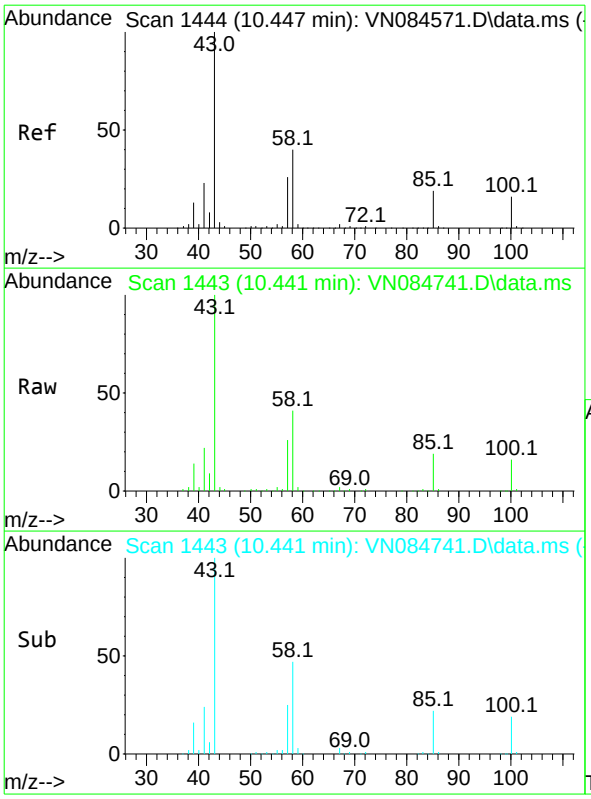


#50
Toluene-d8
Concen: 47.298 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 98 Resp: 326909

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

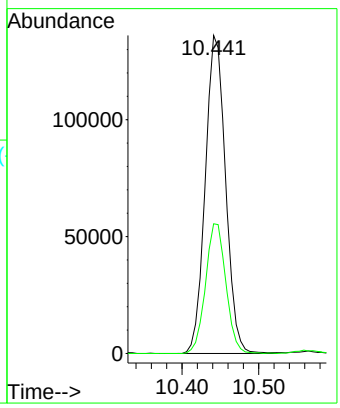




#51
4-Methyl-2-Pentanone
Concen: 111.343 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 250598

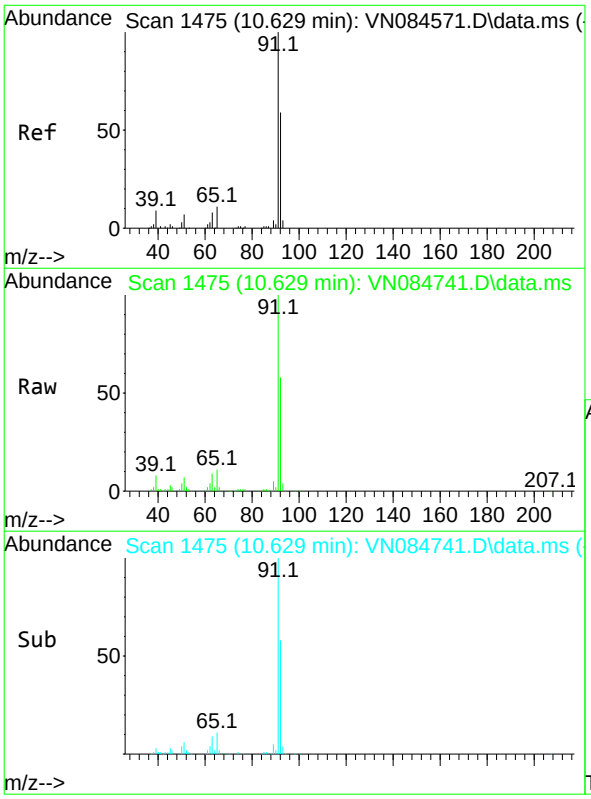
Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

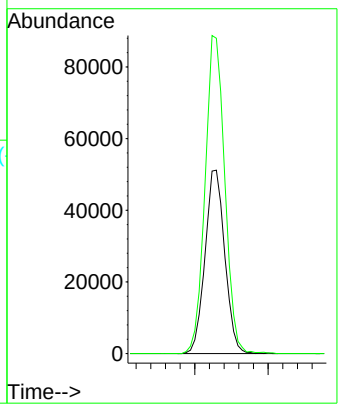
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

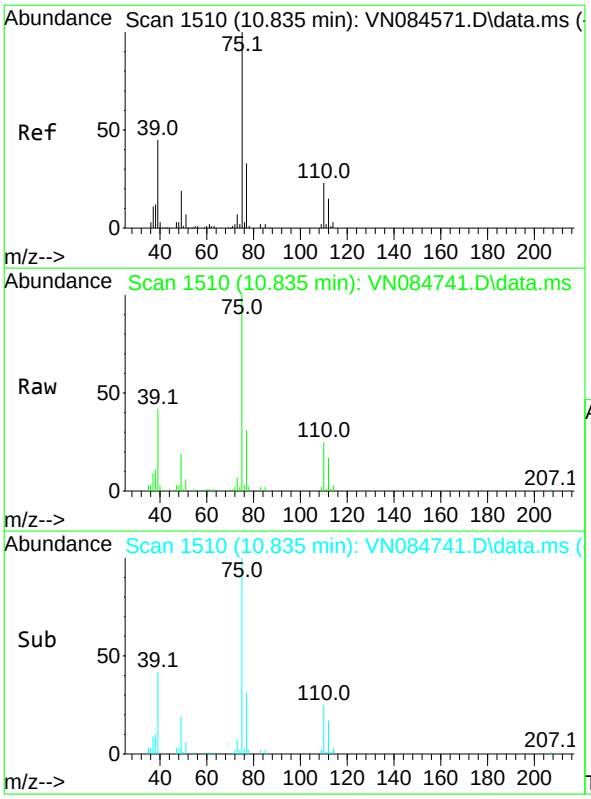


#52
Toluene
Concen: 19.585 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 92 Resp: 95723

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.3	205.9

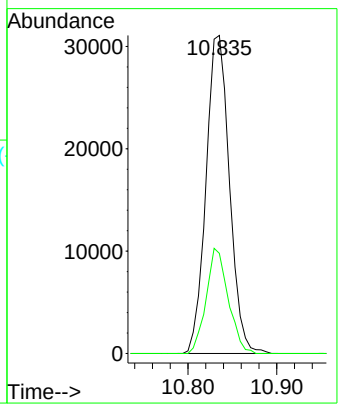




#53
t-1,3-Dichloropropene
Concen: 18.908 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 57070

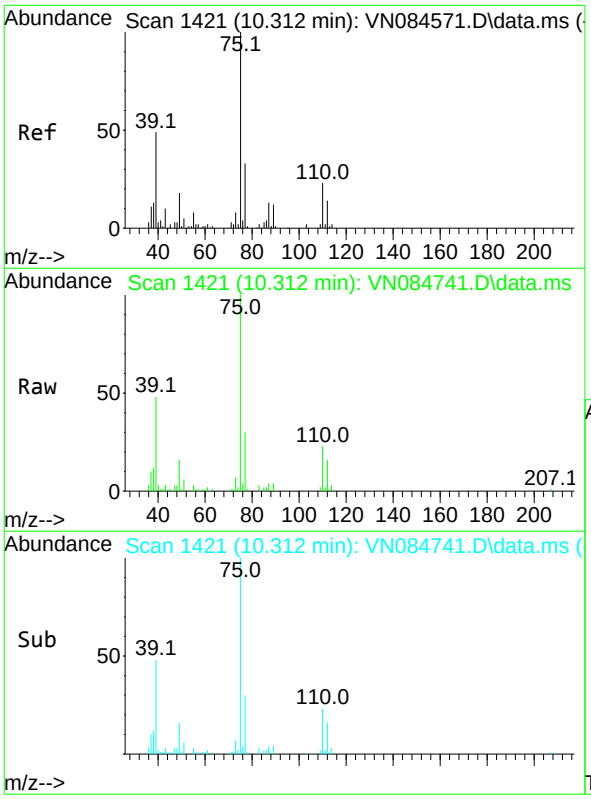
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

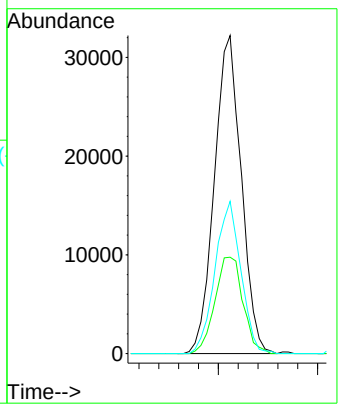
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

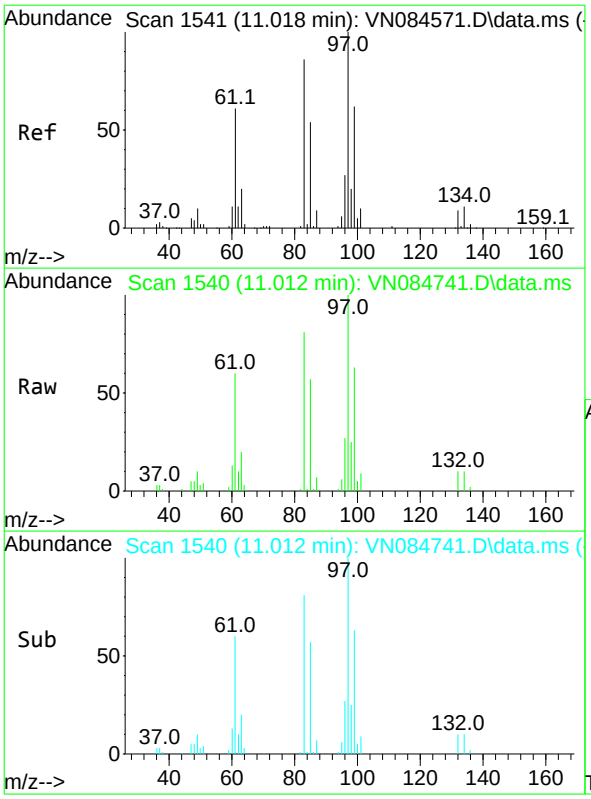


#54
cis-1,3-Dichloropropene
Concen: 18.955 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 60551

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.2	36.2
39	47.9	38.7	58.1

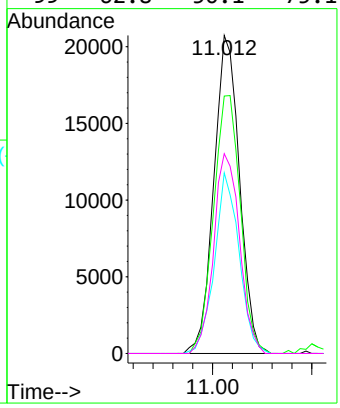




#55
1,1,2-Trichloroethane
Concen: 20.202 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 97 Resp: 37192

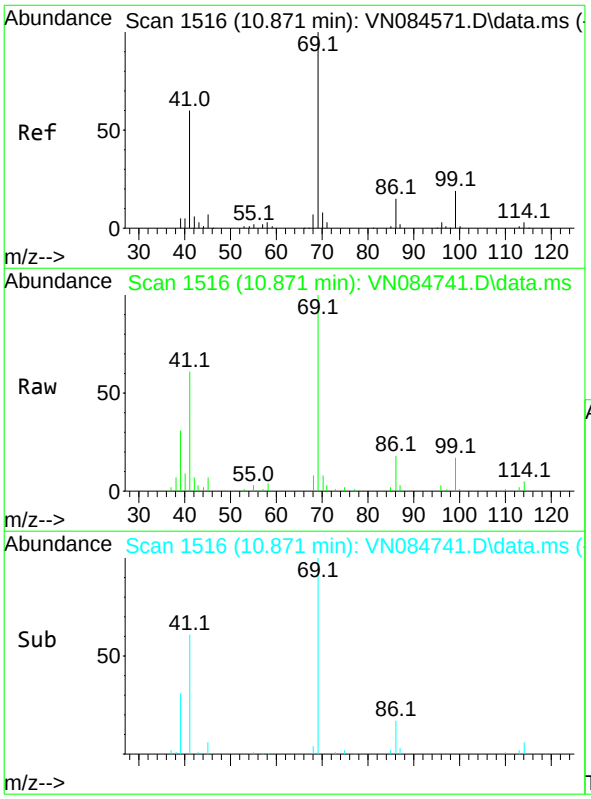
Ion	Ratio	Lower	Upper
97	100		
83	80.9	71.0	106.4
85	56.8	41.7	62.5
99	62.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

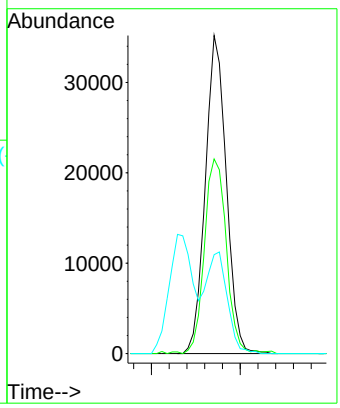
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

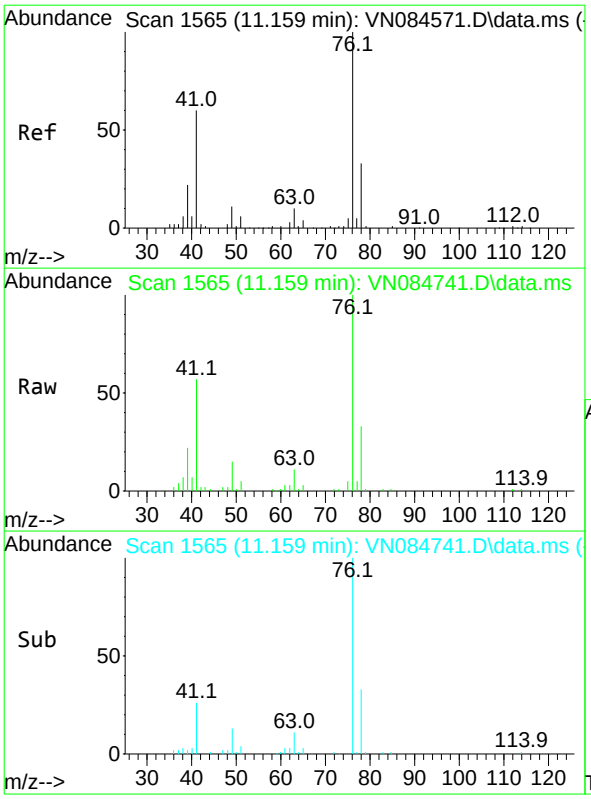


#56
Ethyl methacrylate
Concen: 21.701 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 69 Resp: 57790

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	33.0	28.8	43.2

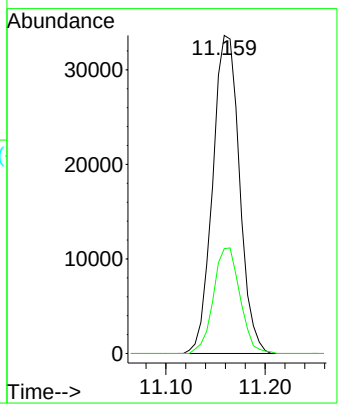




#57
1,3-Dichloropropane
Concen: 19.984 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 76 Resp: 63144

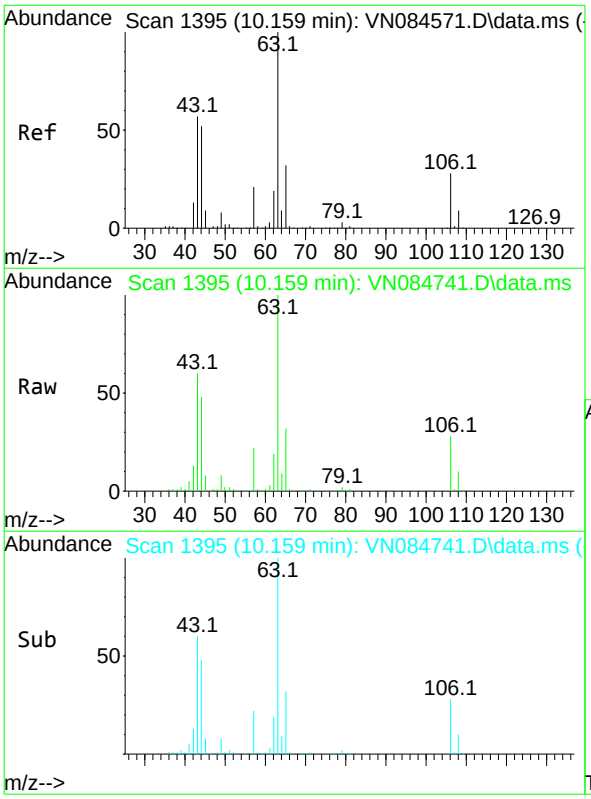
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

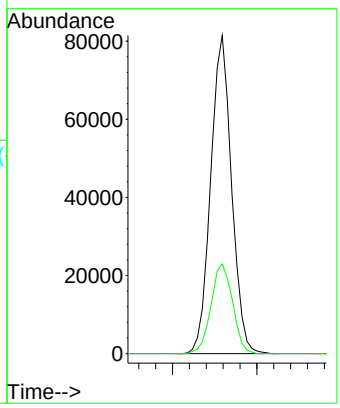
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

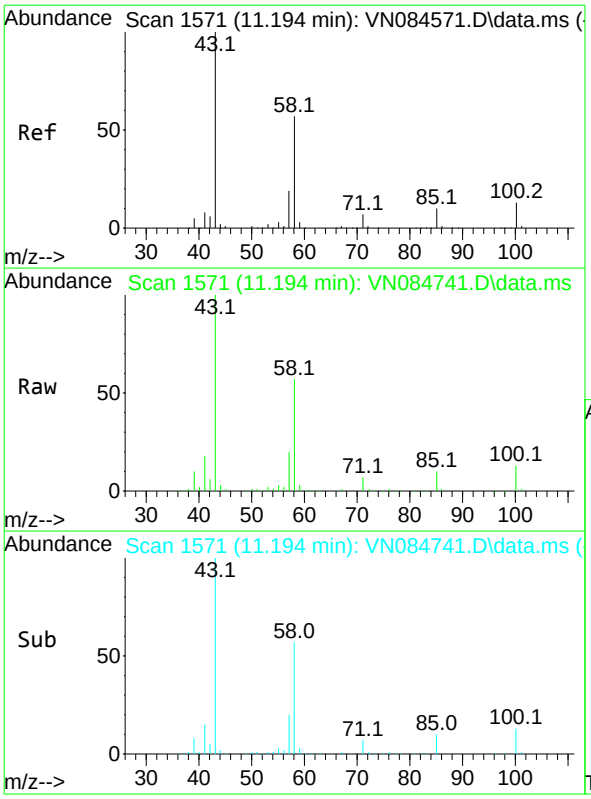


#58
2-Chloroethyl Vinyl ether
Concen: 112.259 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 63 Resp: 139887

Ion	Ratio	Lower	Upper
63	100		
106	29.1	21.8	32.6

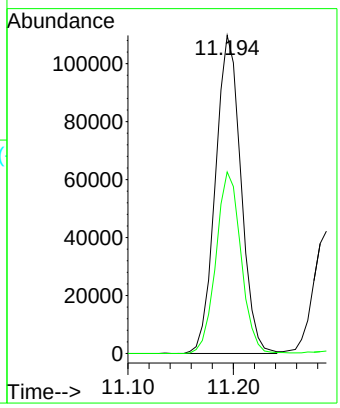




#59
2-Hexanone
Concen: 112.663 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 184568

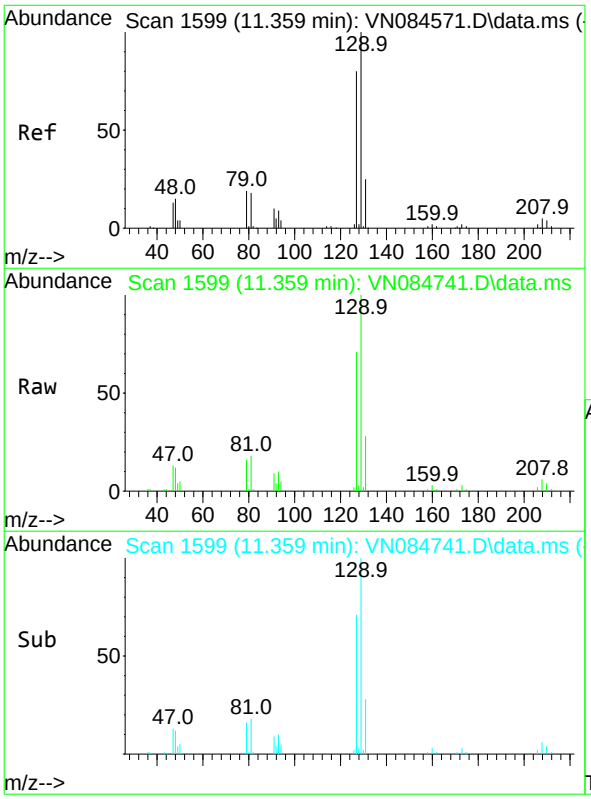
Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

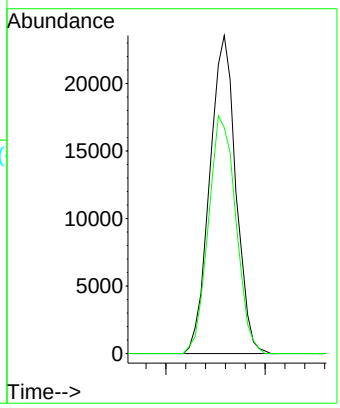
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

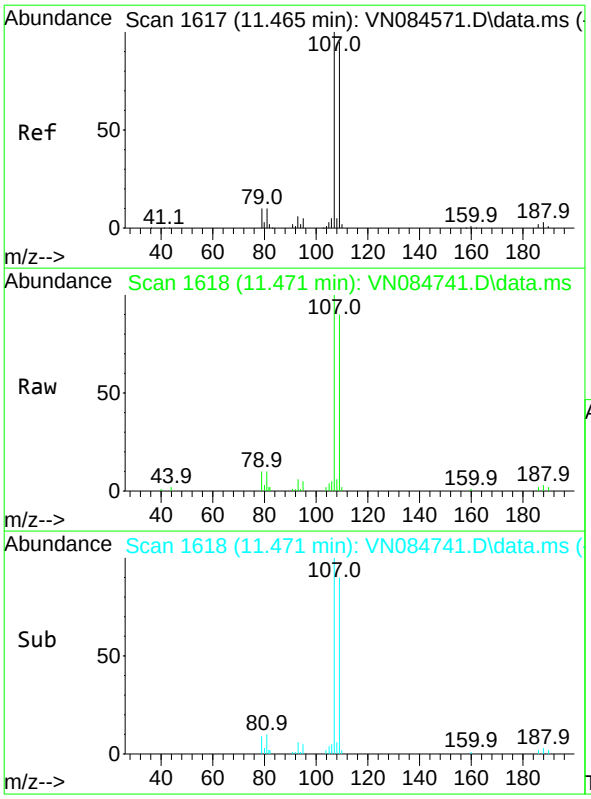


#60
Dibromochloromethane
Concen: 20.531 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:129 Resp: 43079

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.3	114.9





#61
1,2-Dibromoethane
Concen: 19.953 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

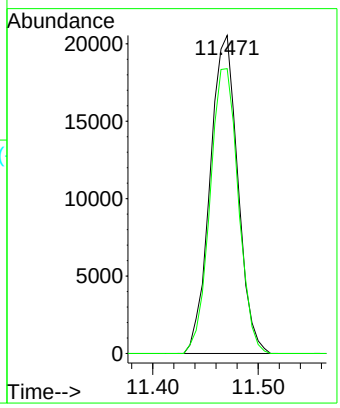
Tgt Ion:107 Resp: 37618

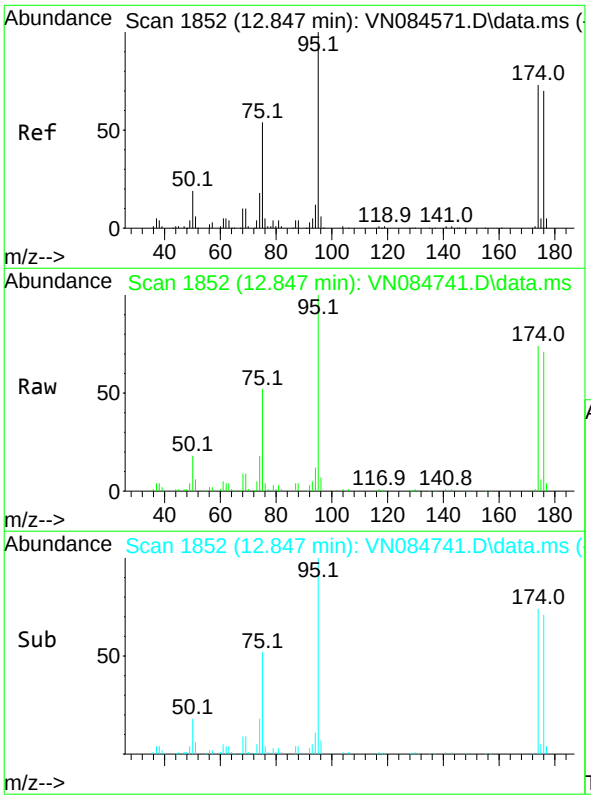
Ion	Ratio	Lower	Upper
107	100		
109	91.0	75.4	113.0

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

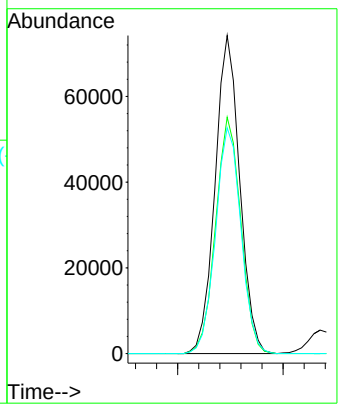


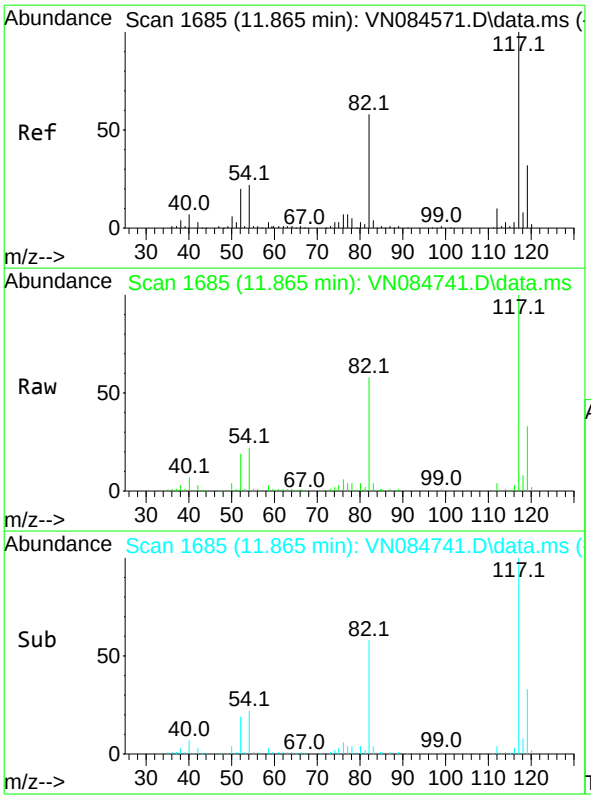


#62
4-Bromofluorobenzene
Concen: 46.773 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 95 Resp: 120820

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	73.1	0.0	140.0

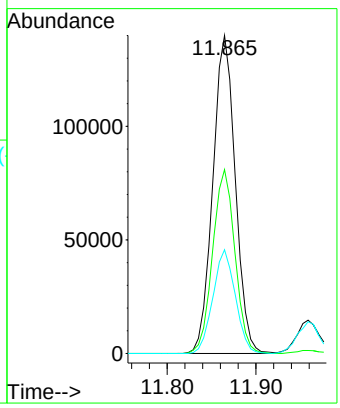




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:117 Resp: 246235

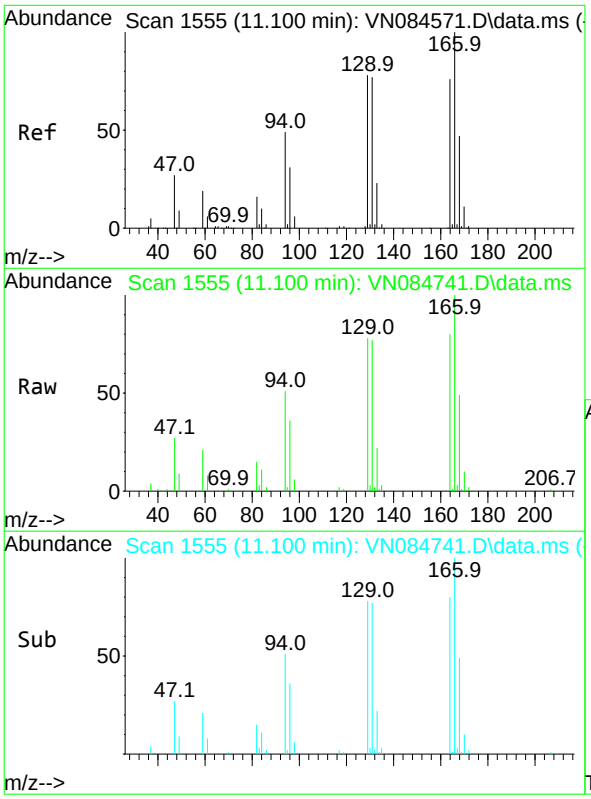
Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

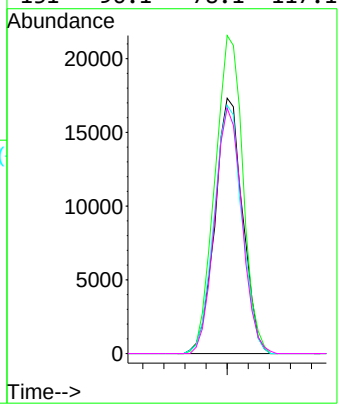
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

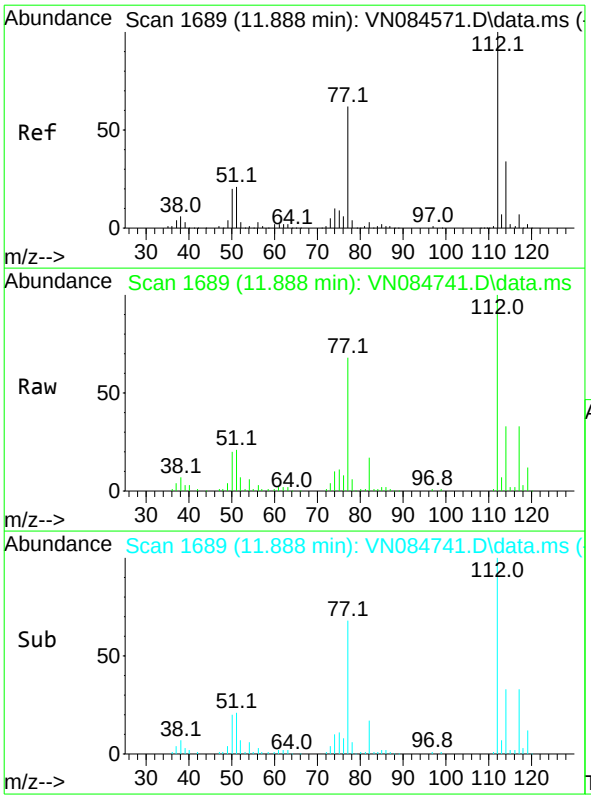


#64
Tetrachloroethene
Concen: 19.248 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:164 Resp: 31525

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.0	151.4
129	97.2	80.8	121.2
131	96.1	78.1	117.1

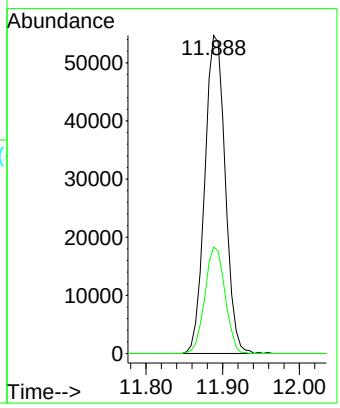




#65
Chlorobenzene
Concen: 18.308 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:112 Resp: 100856

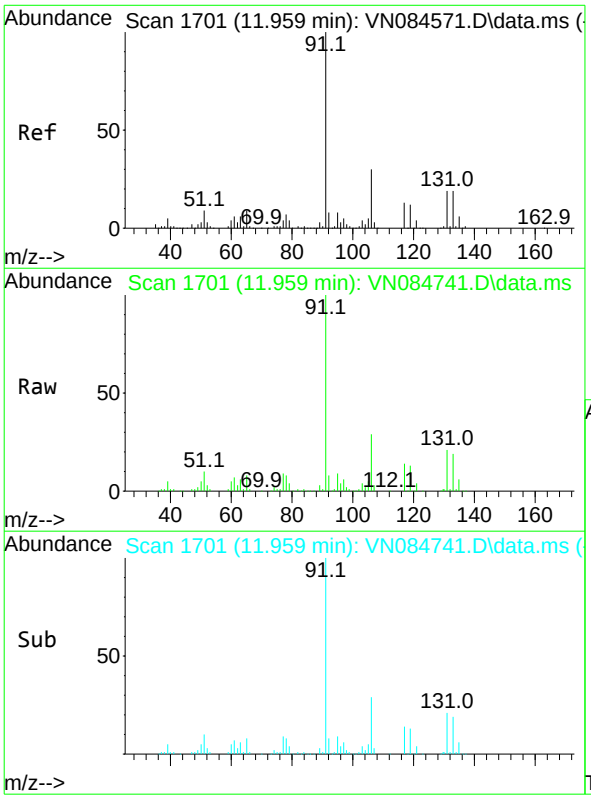
Ion	Ratio	Lower	Upper
112	100		
114	33.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

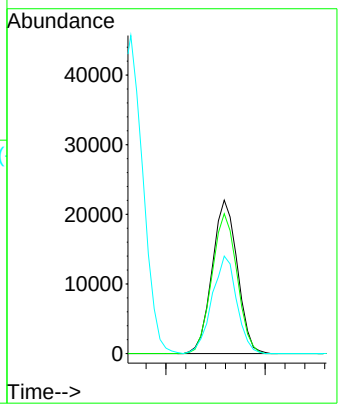
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

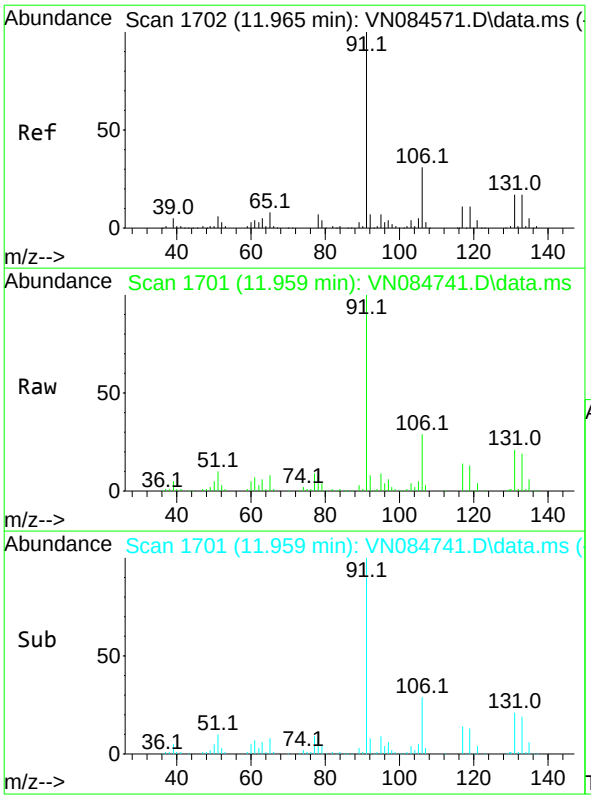


#66
1,1,1,2-Tetrachloroethane
Concen: 20.306 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:131 Resp: 38908

Ion	Ratio	Lower	Upper
131	100		
133	90.7	47.9	143.7
119	62.4	32.8	98.3

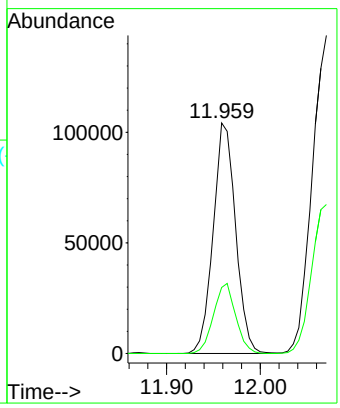




#67
Ethyl Benzene
Concen: 18.858 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 173400

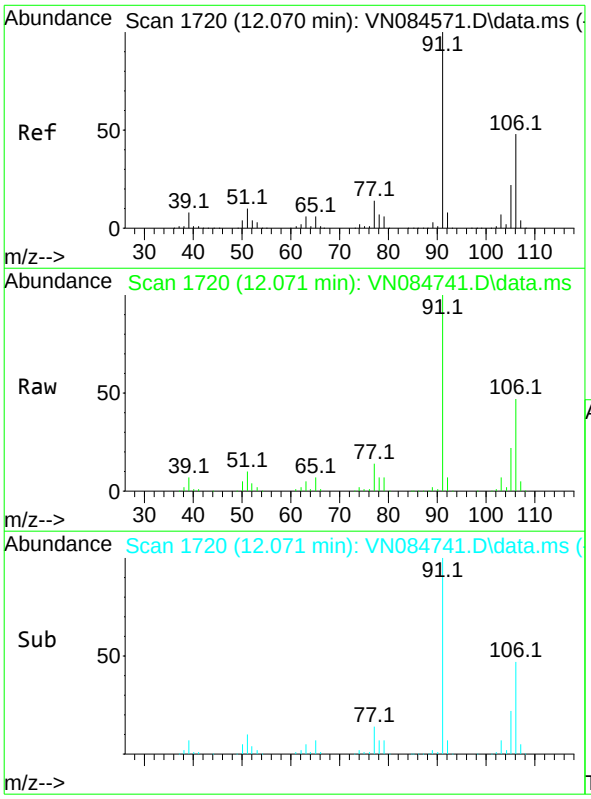
Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

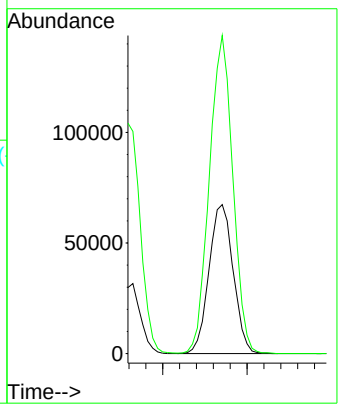
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

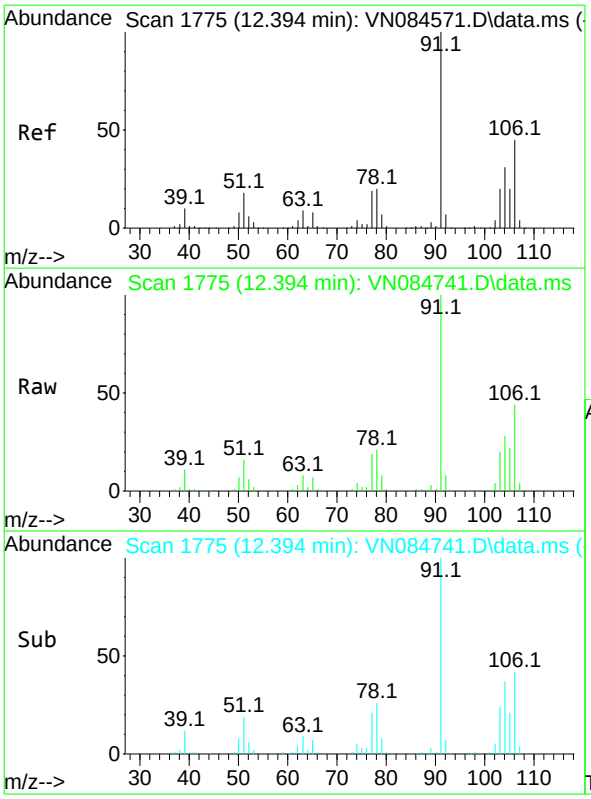


#68
m/p-Xylenes
Concen: 38.667 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:106 Resp: 134607

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.1	250.7

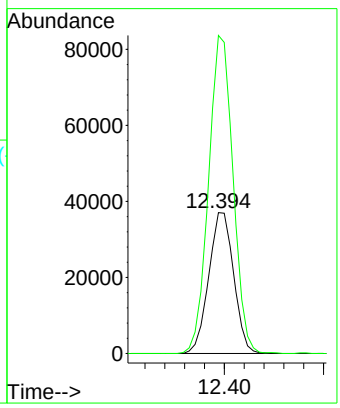




#69
o-Xylene
Concen: 19.856 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:106 Resp: 64664

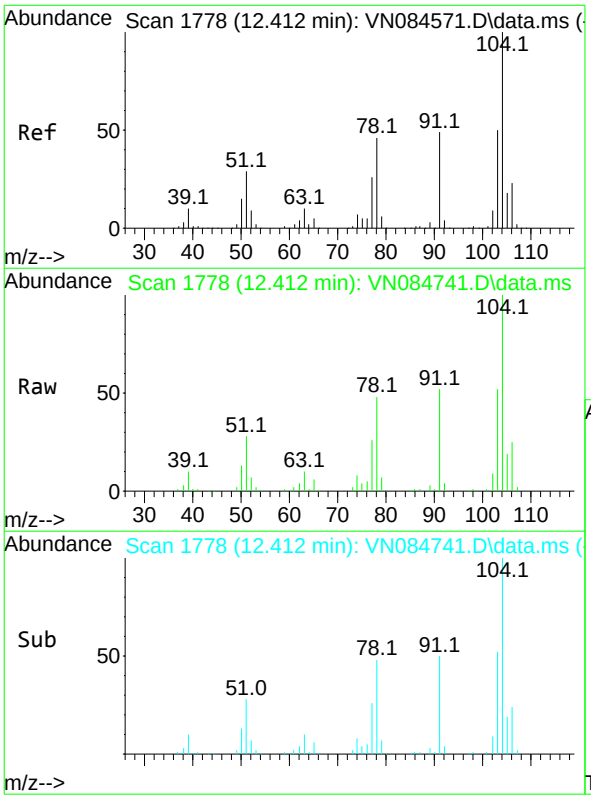
Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

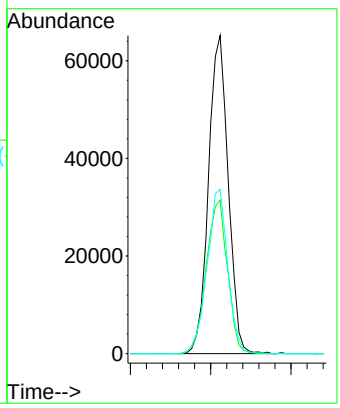
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

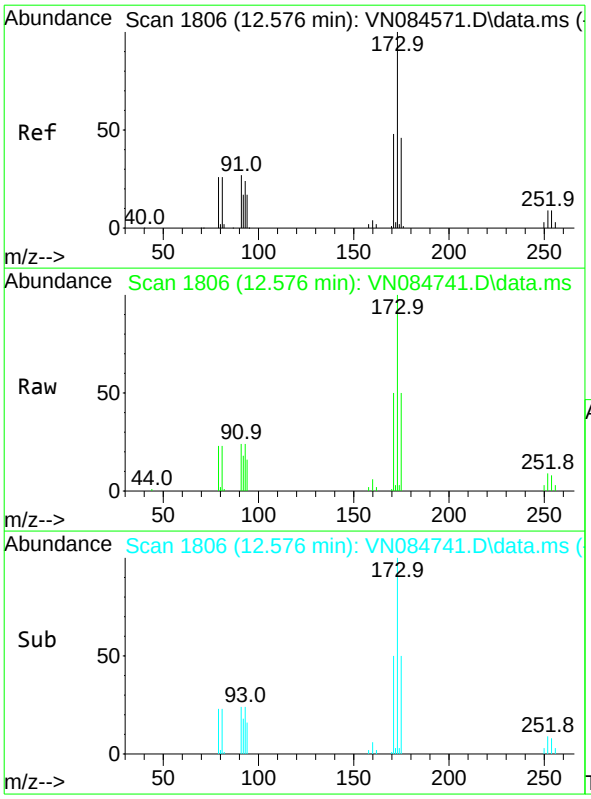


#70
Styrene
Concen: 19.517 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:104 Resp: 110872

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.7	64.1
103	54.1	43.6	65.4

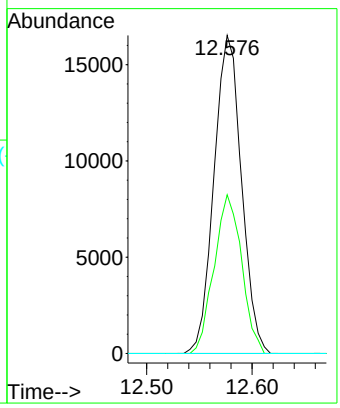




#71
Bromoform
Concen: 20.725 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:173 Resp: 29882

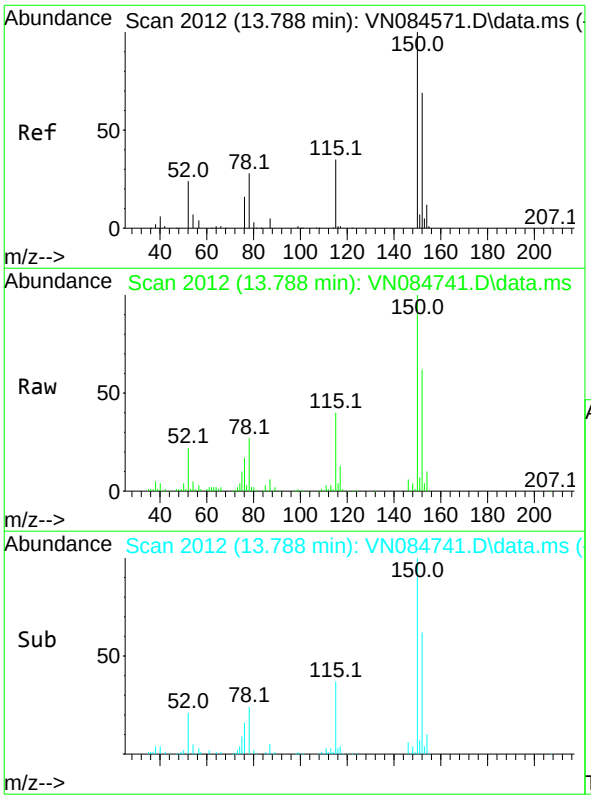
Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

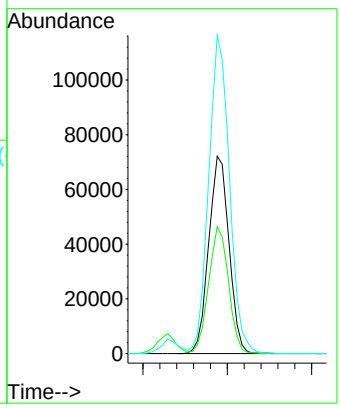
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

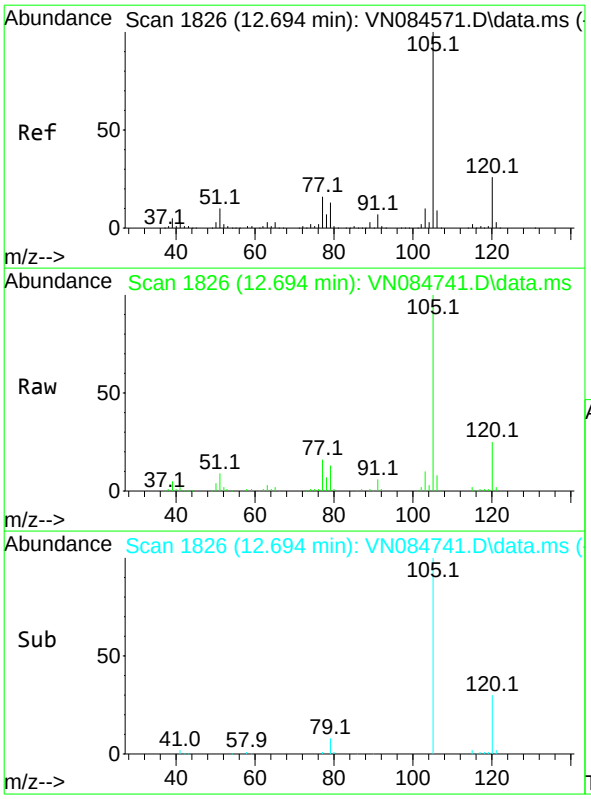


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:152 Resp: 120765

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	164.7	0.0	349.8

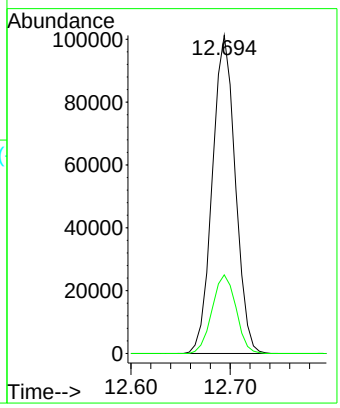




#73
Isopropylbenzene
Concen: 19.230 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 162742

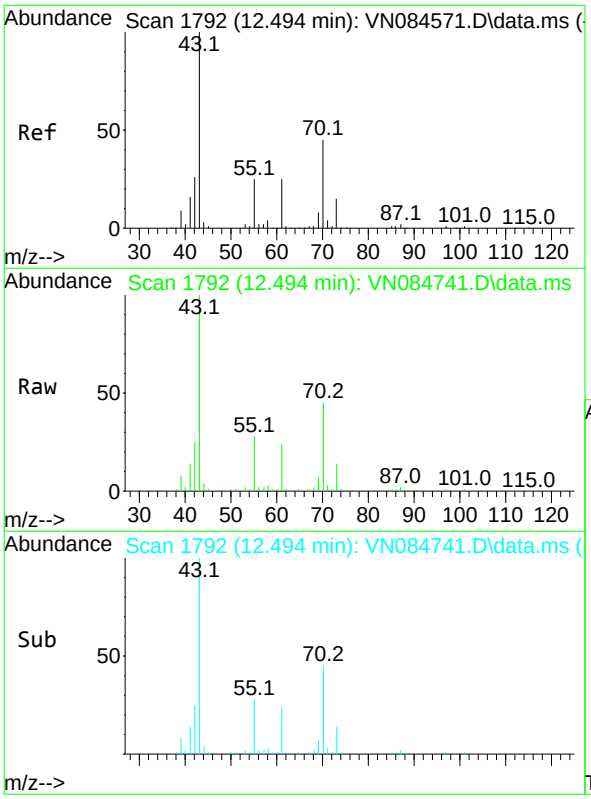
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

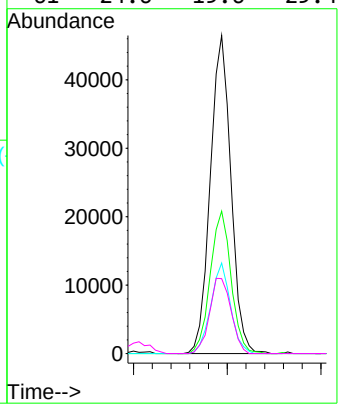
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

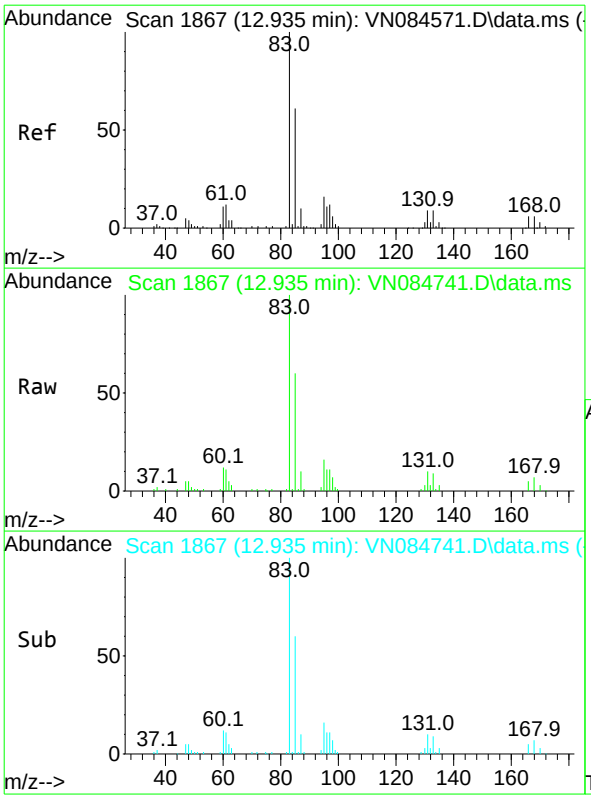


#74
N-amyl acetate
Concen: 19.767 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 71201

Ion	Ratio	Lower	Upper
43	100		
70	45.1	34.4	51.6
55	27.1	19.6	29.4
61	24.6	19.6	29.4

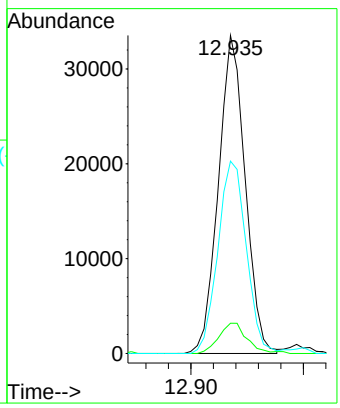




#75
1,1,2,2-Tetrachloroethane
Concen: 19.635 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 83 Resp: 55464

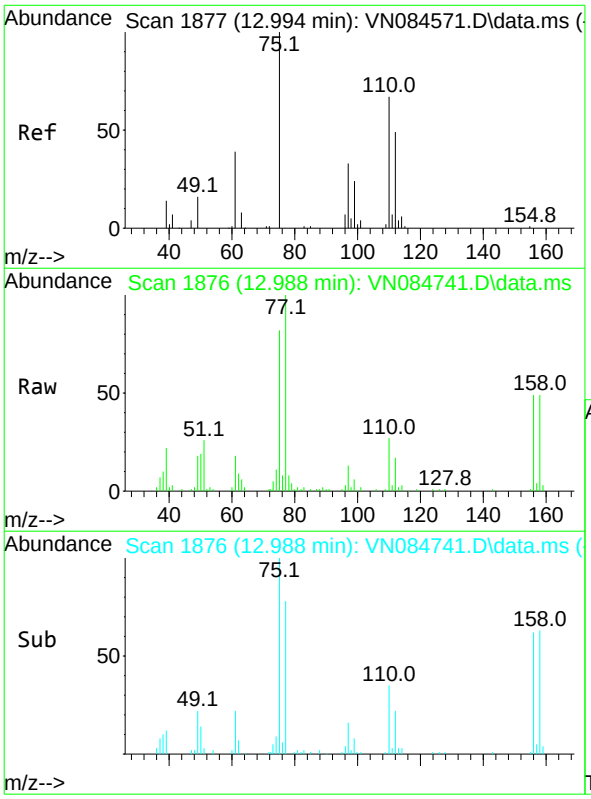
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

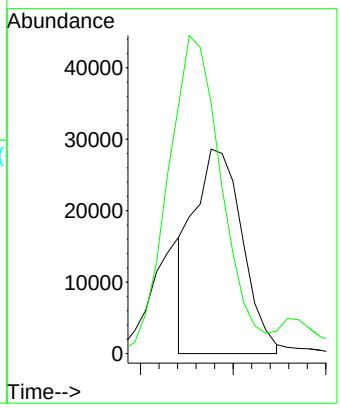
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

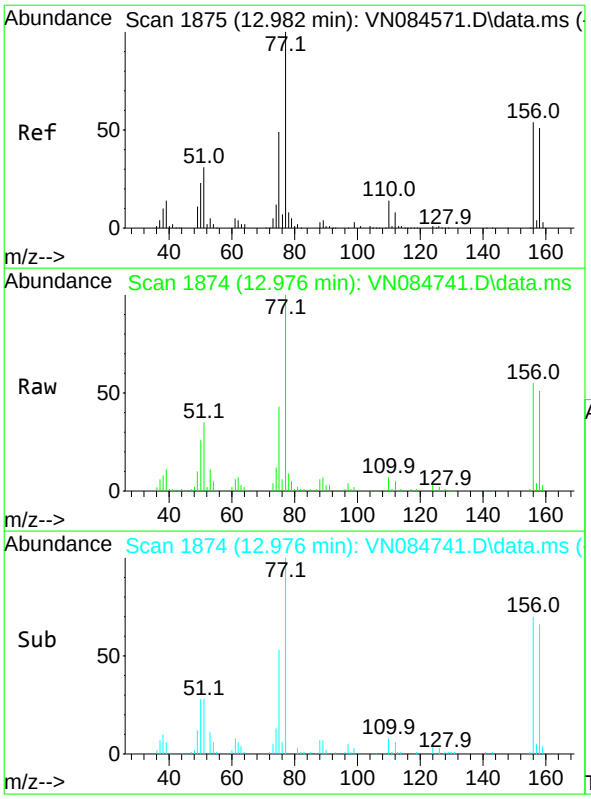


#76
1,2,3-Trichloropropane
Concen: 21.593 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 52127

Ion	Ratio	Lower	Upper
75	100		
77	172.0	96.9	290.7

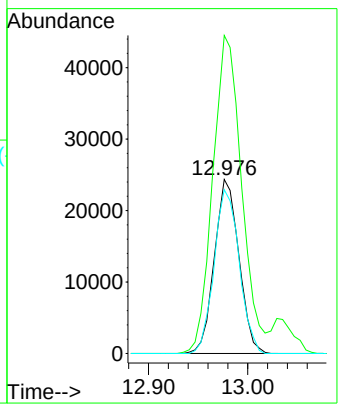




#77
Bromobenzene
Concen: 18.411 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:156 Resp: 41887

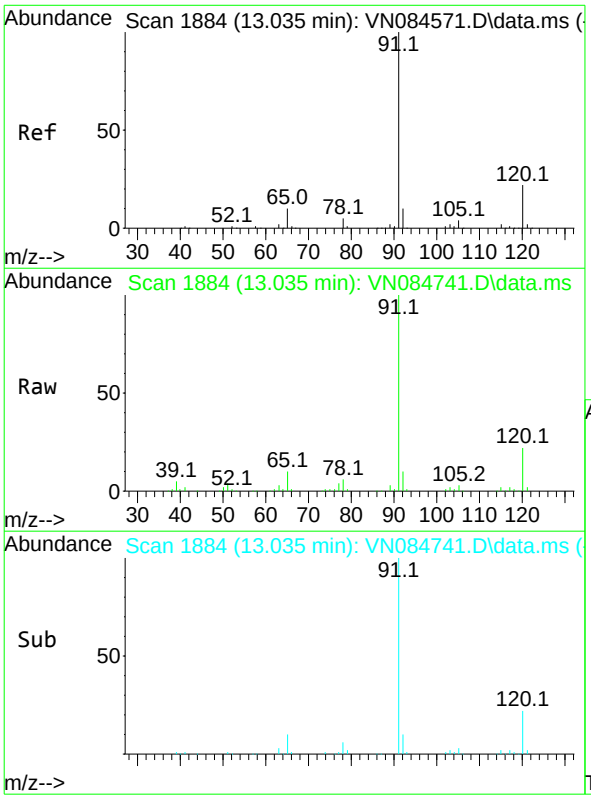
Ion	Ratio	Lower	Upper
156	100		
77	214.0	115.1	345.3
158	96.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

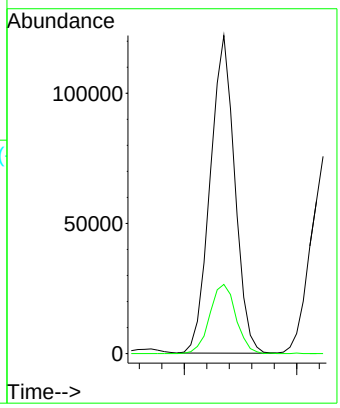
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

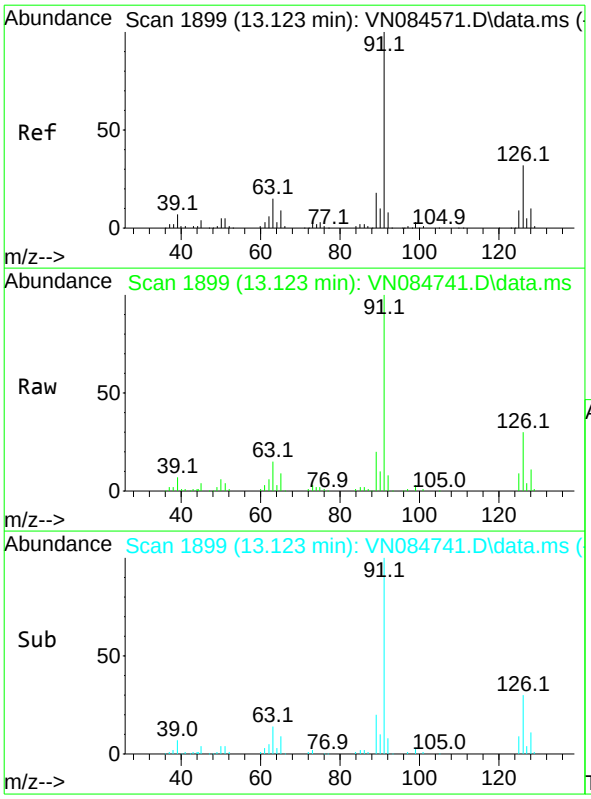


#78
n-propylbenzene
Concen: 18.660 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 185049

Ion	Ratio	Lower	Upper
91	100		
120	23.1	10.8	32.4

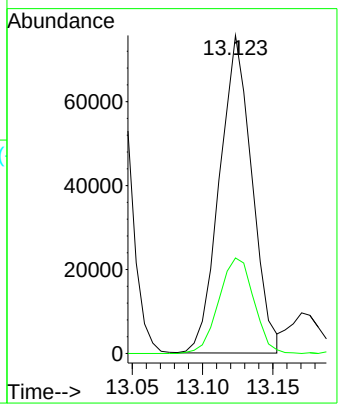




#79
2-Chlorotoluene
Concen: 18.733 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 121386

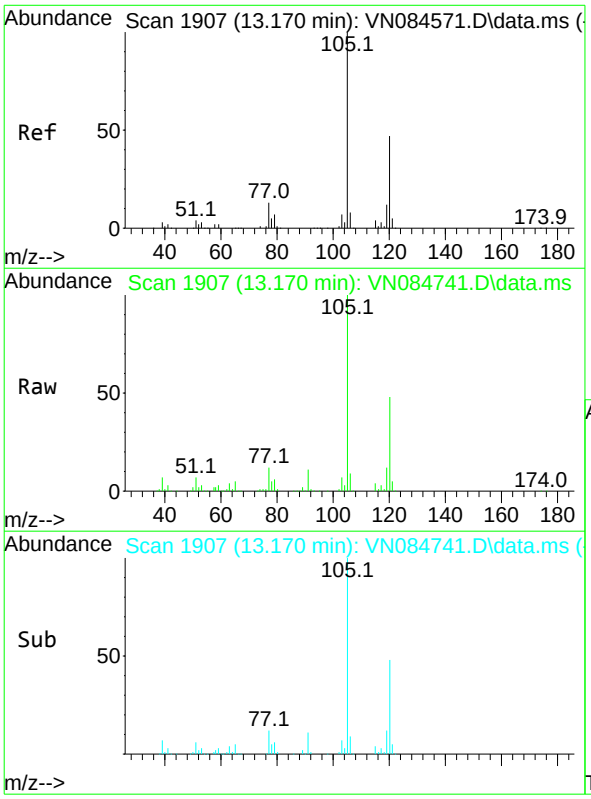
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

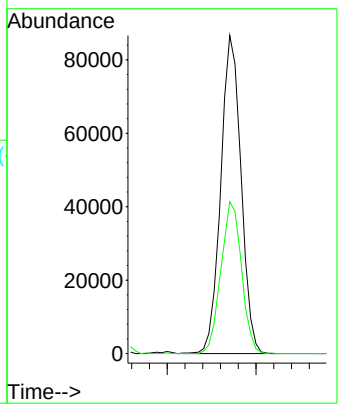
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

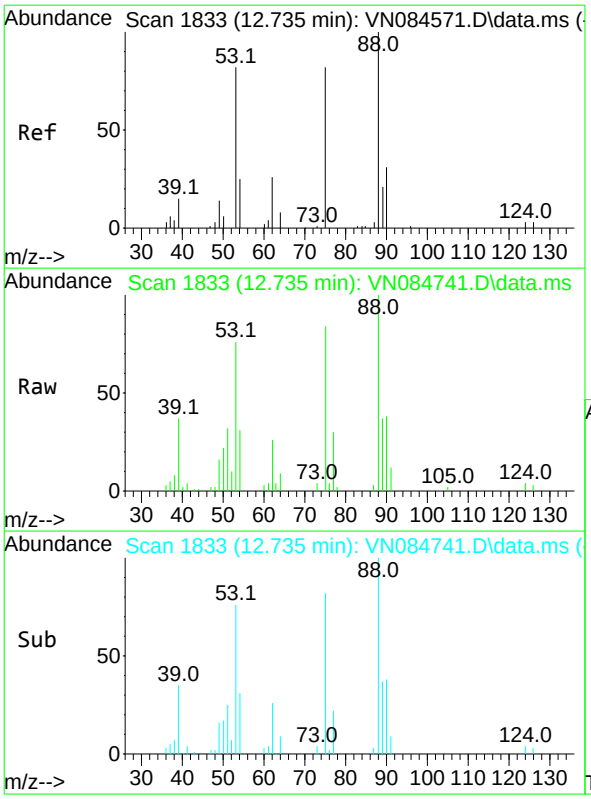


#80
1,3,5-Trimethylbenzene
Concen: 19.609 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 137545

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1

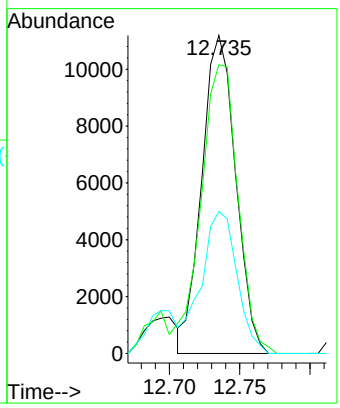




#81
trans-1,4-Dichloro-2-butene
Concen: 18.411 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 18734

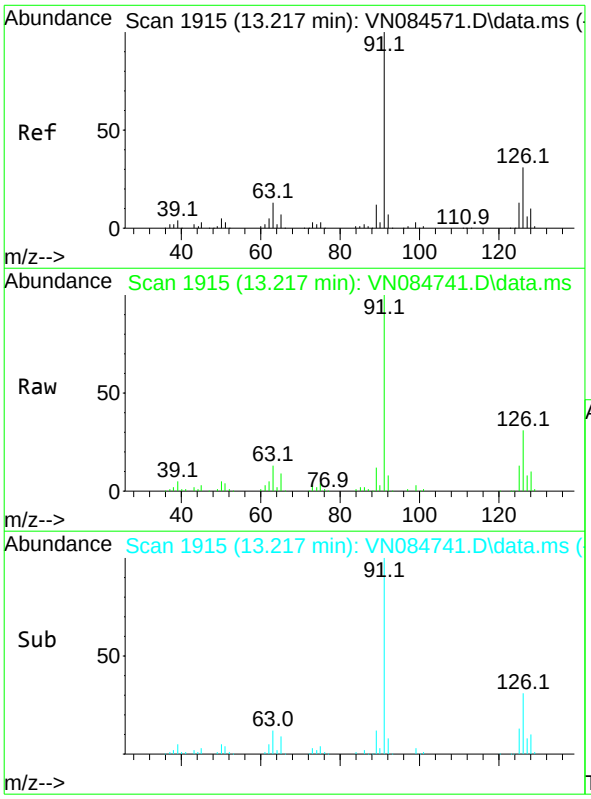
Ion	Ratio	Lower	Upper
75	100		
53	99.4	78.0	117.0
89	47.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

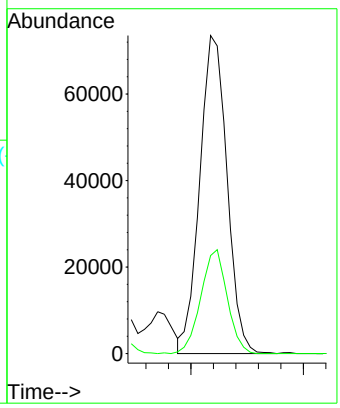
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

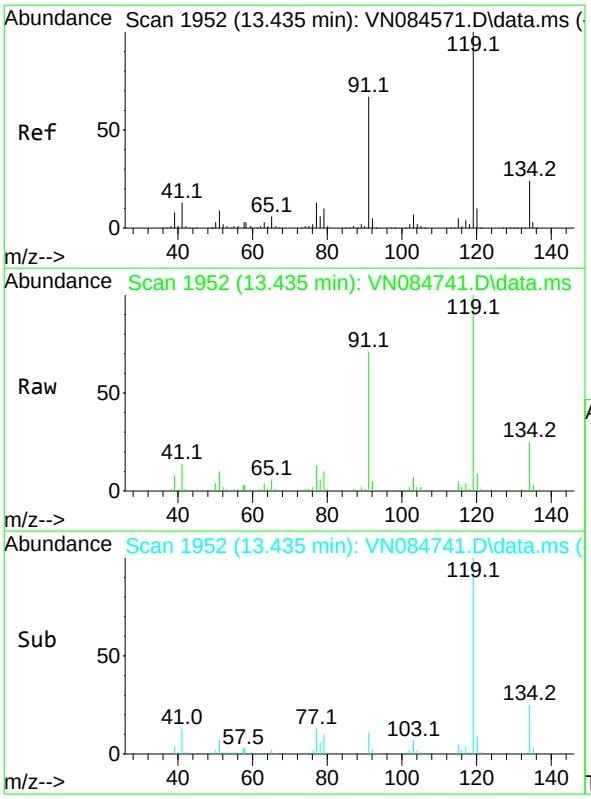


#82
4-Chlorotoluene
Concen: 18.169 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 123905

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

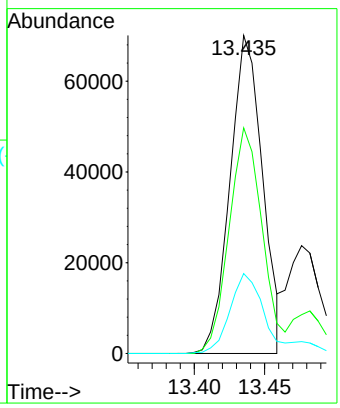




#83
tert-Butylbenzene
Concen: 19.394 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:119 Resp: 112585

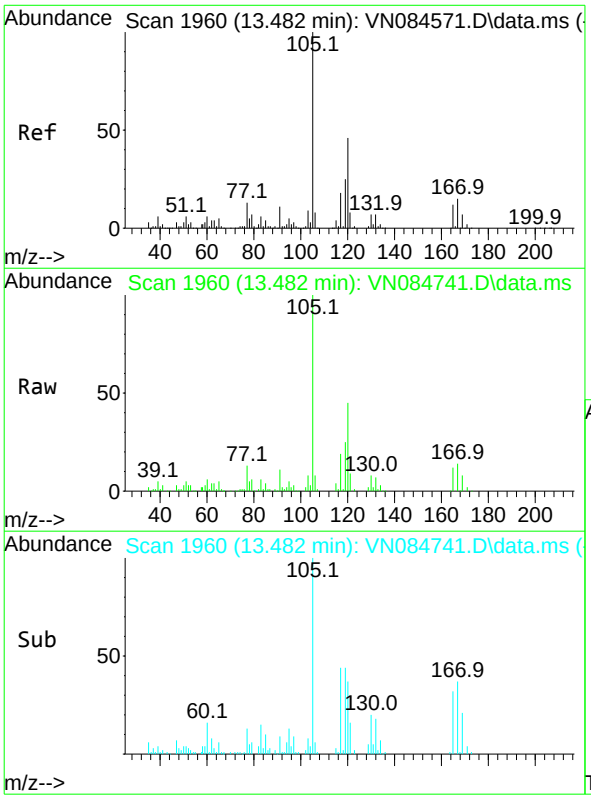
Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	25.5	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

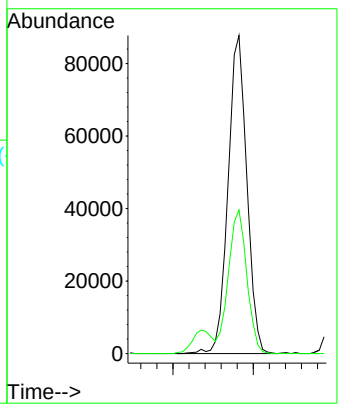
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

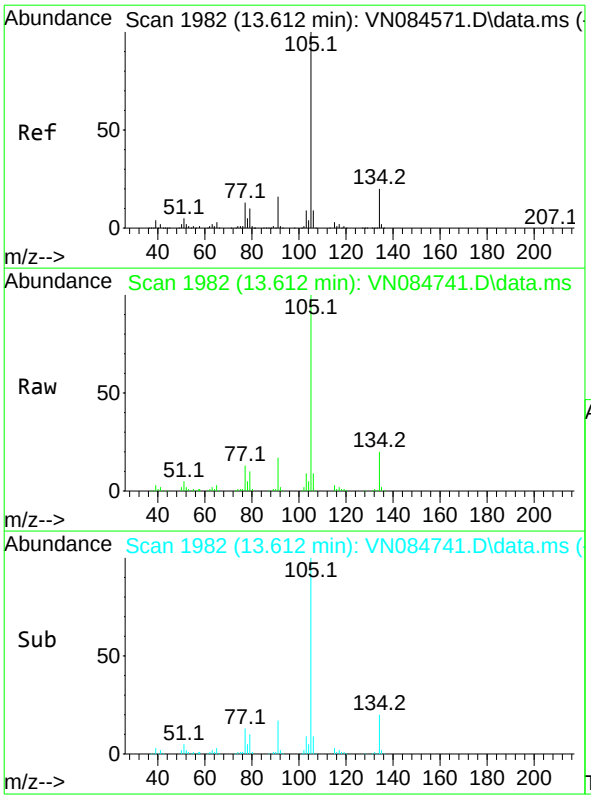


#84
1,2,4-Trimethylbenzene
Concen: 19.651 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 142262

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8

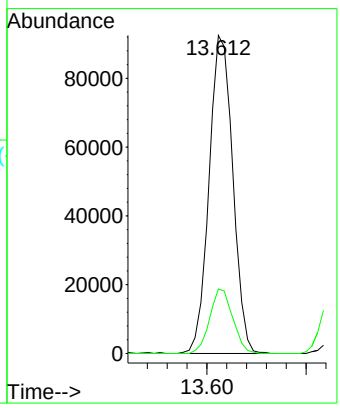




#85
sec-Butylbenzene
Concen: 18.710 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 153424

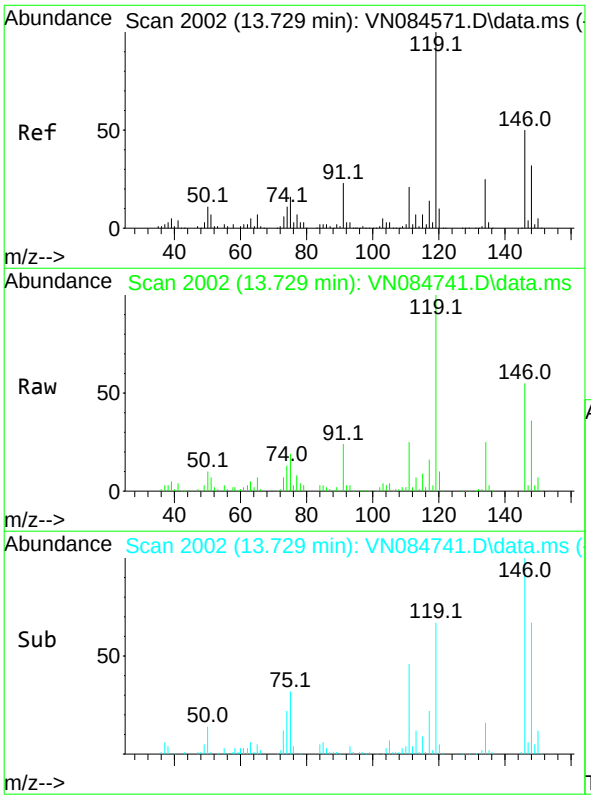
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

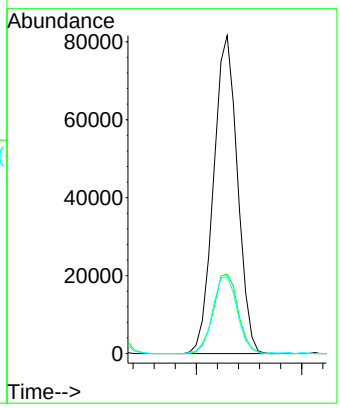
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

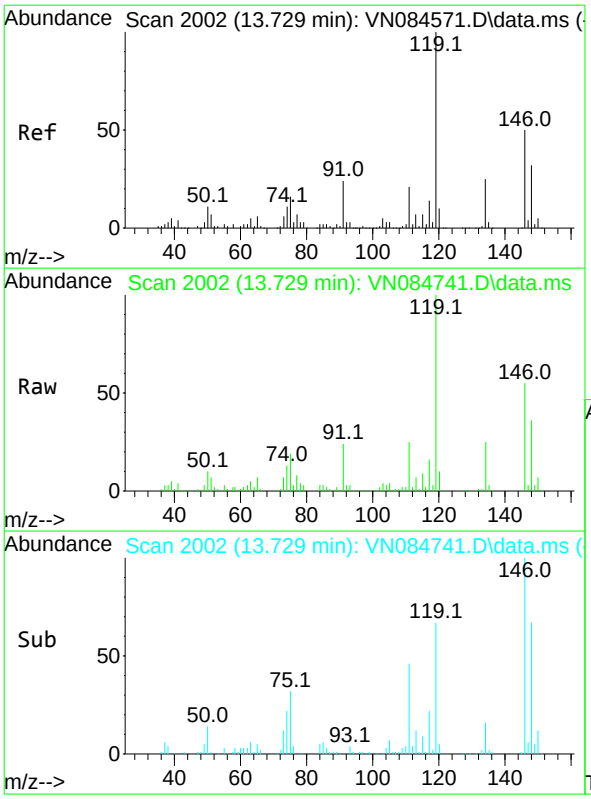


#86
p-Isopropyltoluene
Concen: 19.076 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:119 Resp: 128285

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.4	37.2

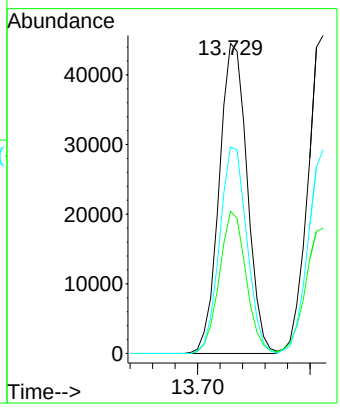




#87
1,3-Dichlorobenzene
Concen: 17.314 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:146 Resp: 76875

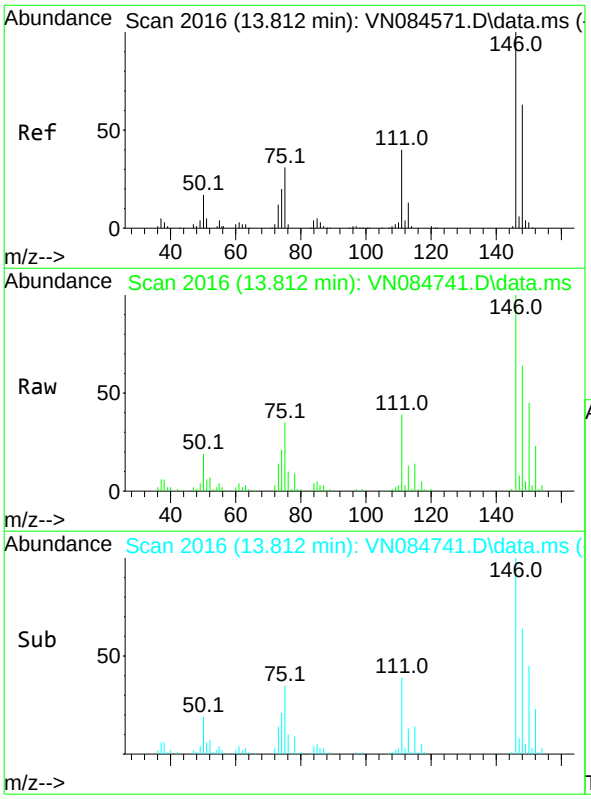
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.3
148	64.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

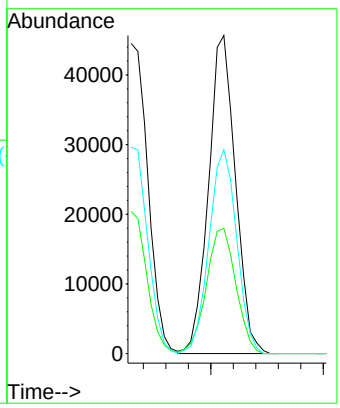
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

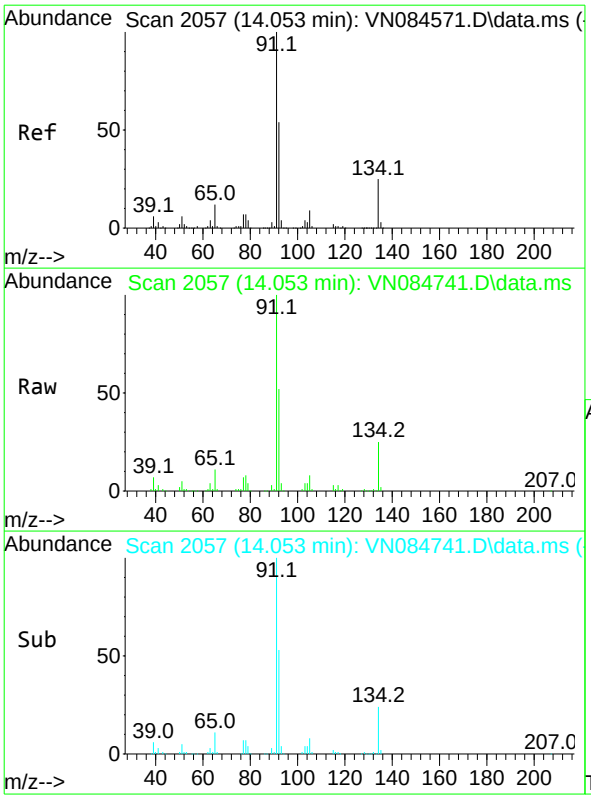


#88
1,4-Dichlorobenzene
Concen: 17.947 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:146 Resp: 76001

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	66.0	31.9	95.9

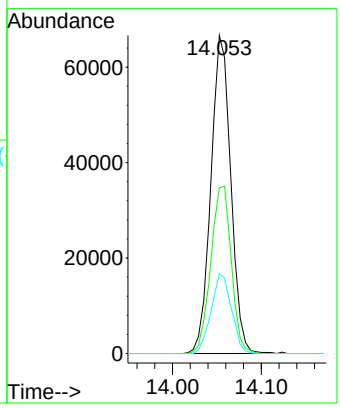




#89
n-Butylbenzene
Concen: 16.483 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 103692

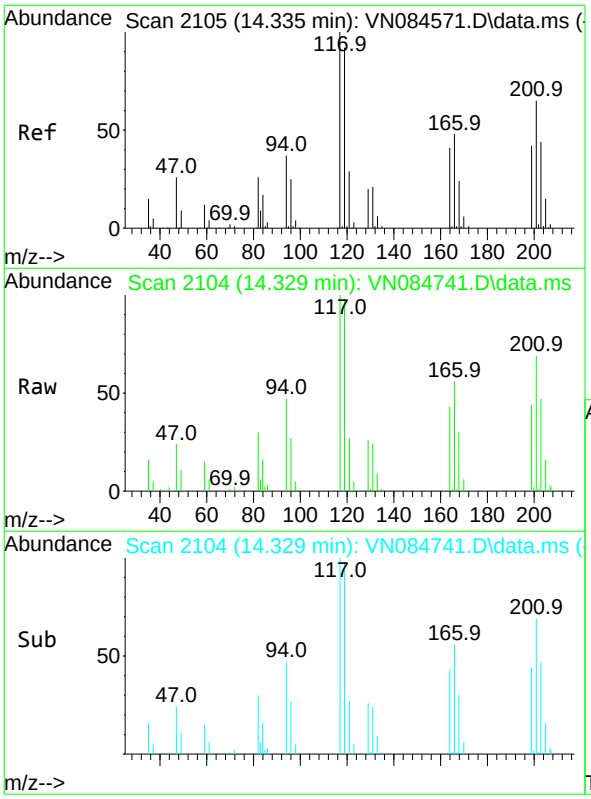
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.6	79.7
134	25.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

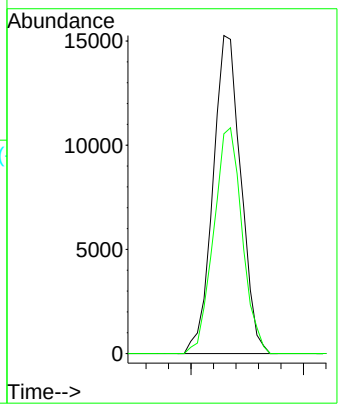
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

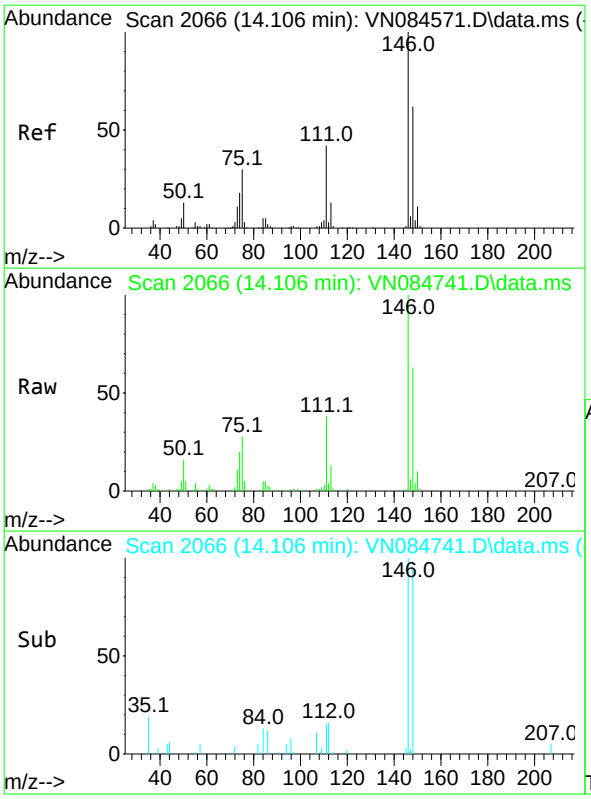


#90
Hexachloroethane
Concen: 17.500 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:117 Resp: 26245

Ion	Ratio	Lower	Upper
117	100		
201	72.6	34.4	103.2

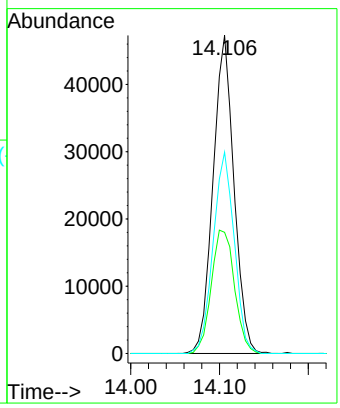




#91
1,2-Dichlorobenzene
Concen: 18.127 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:146 Resp: 77341

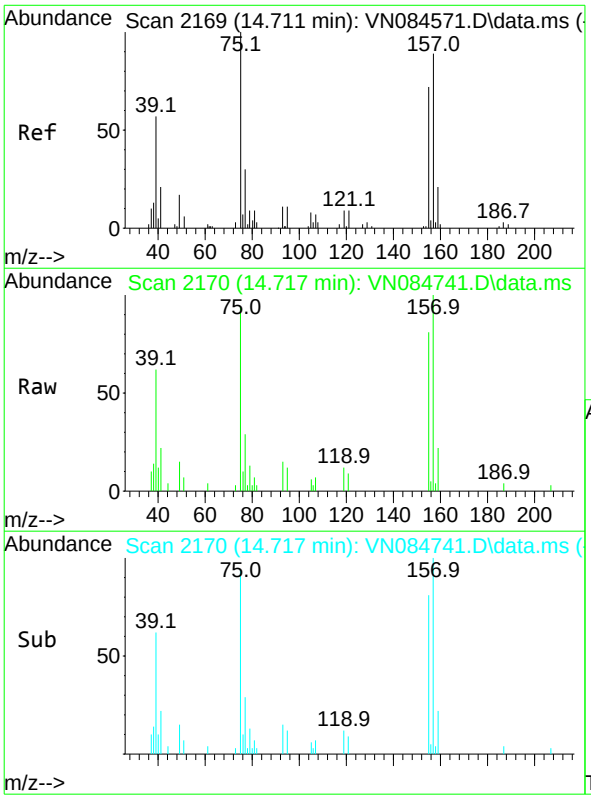
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	63.9	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

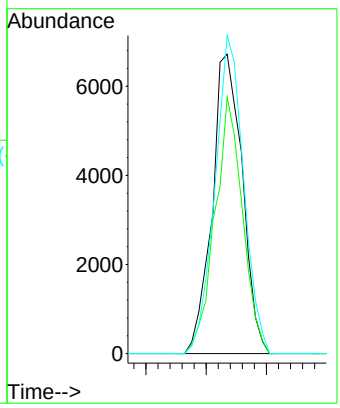
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

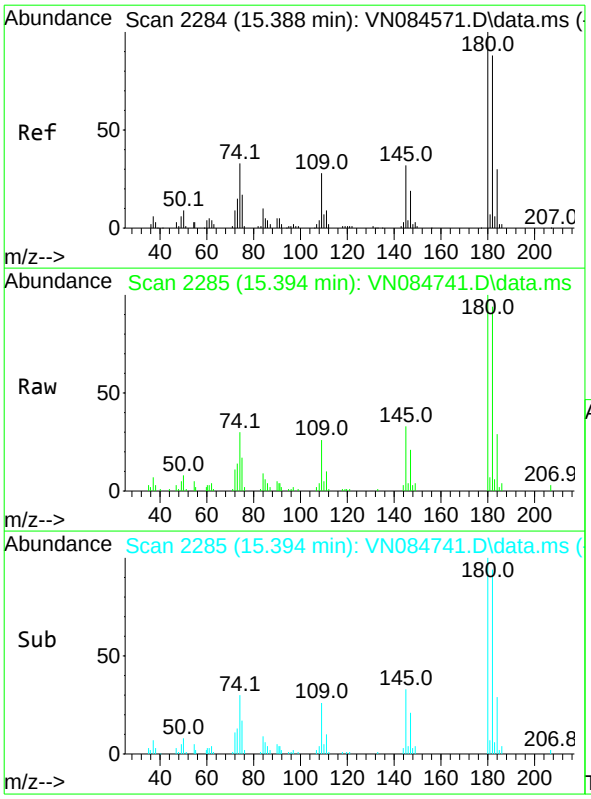


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.386 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 11666

Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.1	114.5
157	101.0	49.6	149.0

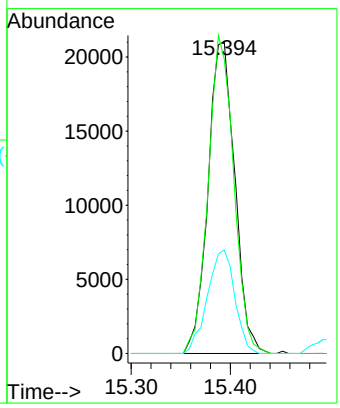




#93
1,2,4-Trichlorobenzene
Concen: 16.860 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:180 Resp: 39374

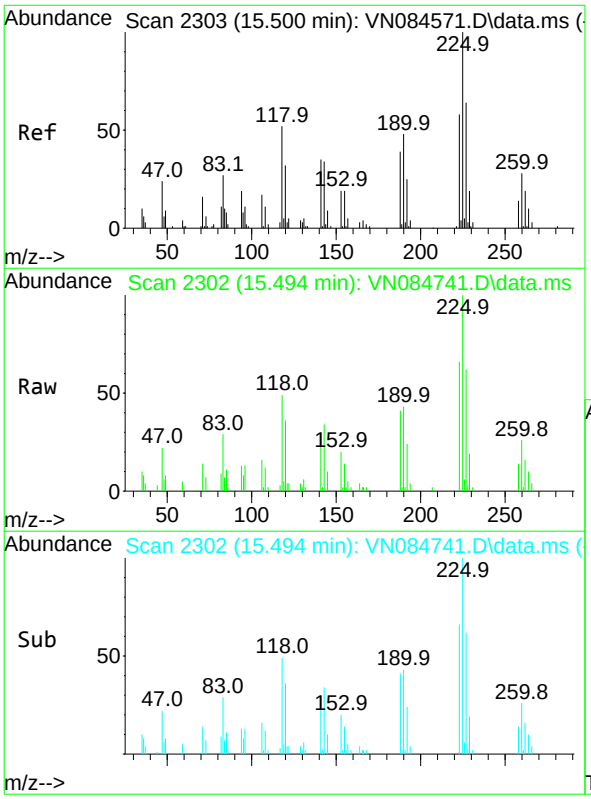
Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations APPROVED

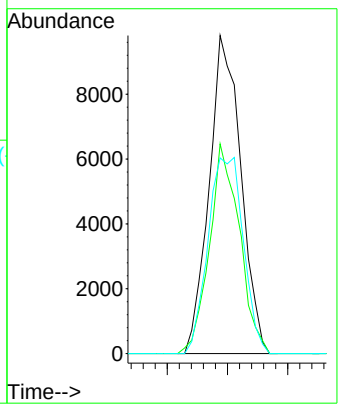
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024

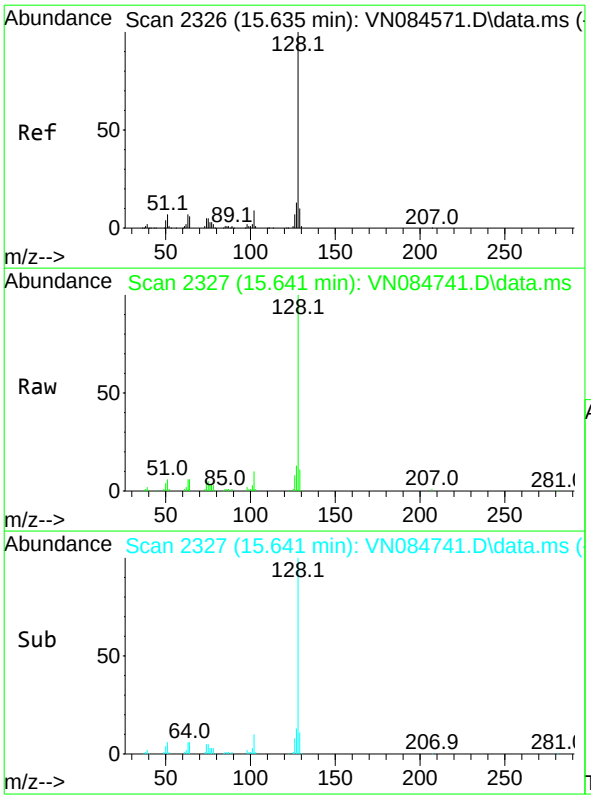


#94
Hexachlorobutadiene
Concen: 17.482 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:225 Resp: 17928

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.2
227	68.8	32.4	97.0

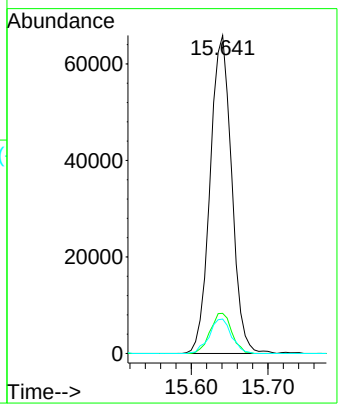




#95
Naphthalene
Concen: 18.380 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:128 Resp: 128477

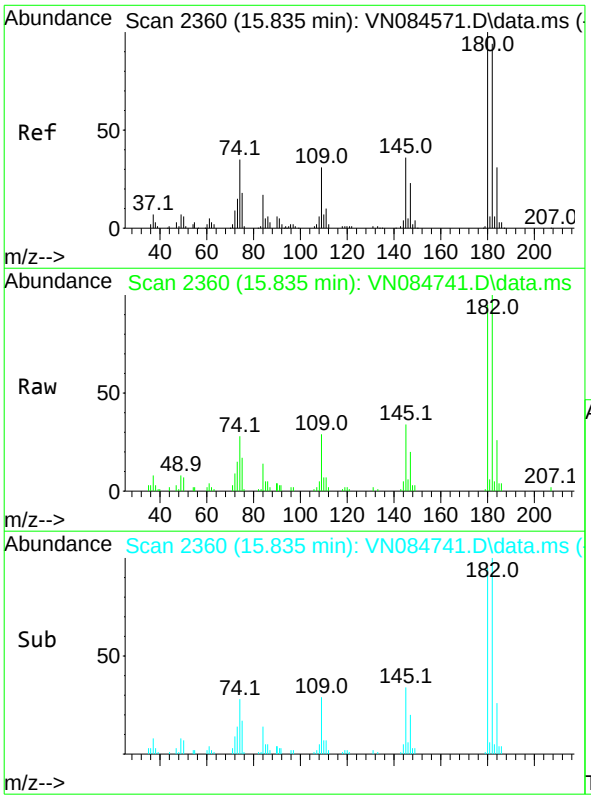
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Manual Integrations
APPROVED

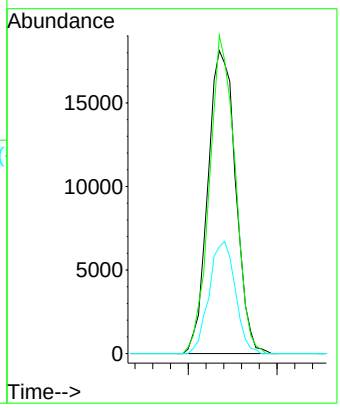
Reviewed By :John Carlone 11/11/2024
Supervised By :Mahesh Dadoda 11/11/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.346 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:180 Resp: 39322

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.2	144.6
145	34.8	17.3	51.9



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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vn110824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084737.D	1,2,3-Trichloropropane	SAM	11/9/2024 11:06:04 AM	MMDadoda	11/11/2024 12:59:32 PM	Peak Integrated by Software
VN1108WBS01	VN084740.D	1,2,3-Trichloropropane	SAM	11/9/2024 11:06:09 AM	MMDadoda	11/11/2024 12:59:33 PM	Peak Integrated by Software
VN1108WBSD01	VN084741.D	1,2,3-Trichloropropane	JOHN	11/11/2024 9:55:24 AM	MMDadoda	11/11/2024 12:59:35 PM	Peak Integrated by Software
VN1108WBSD01	VN084741.D	Chloroethane	JOHN	11/11/2024 9:55:24 AM	MMDadoda	11/11/2024 12:59:35 PM	Peak Integrated by Software
VSTDCCC050	VN084761.D	1,2,3-Trichloropropane	SAM	11/9/2024 11:06:42 AM	MMDadoda	11/11/2024 12:59:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN111124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084763.D	1,2,3-Trichloropropane	JOHN	11/11/2024 2:37:23 PM	MMDadoda	11/12/2024 2:45:42 PM	Peak Integrated by Software
VN1111WBS01	VN084766.D	1,2,3-Trichloropropane	JOHN	11/12/2024 9:48:05 AM	MMDadoda	11/12/2024 2:45:43 PM	Peak Integrated by Software
VSTDCCC050	VN084787.D	1,2,3-Trichloropropane	JOHN	11/12/2024 9:48:14 AM	MMDadoda	11/12/2024 2:45:46 PM	Peak Integrated by Software
VSTDCCC050	VN084787.D	trans-1,4-Dichloro-2-but ene	JOHN	11/12/2024 9:48:14 AM	MMDadoda	11/12/2024 2:45:46 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110824

Review By	John Carlone	Review On	11/11/2024 10:14:30 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/11/2024 12:59:46 PM				
SubDirectory	VN110824	HP Acquire Method	MSVOA_N		HP Processing Method	82N103024W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP131356
Initial Calibration Stds	
CCC	VP131357,VP131358
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084736.D	08 Nov 2024 08:18	JC\MD	Ok
2	VSTDCCC050	VN084737.D	08 Nov 2024 09:39	JC\MD	Ok,M
3	VN1108MBL01	VN084738.D	08 Nov 2024 10:20	JC\MD	Not Ok
4	VN1108WBL01	VN084739.D	08 Nov 2024 10:44	JC\MD	Ok
5	VN1108WBS01	VN084740.D	08 Nov 2024 11:19	JC\MD	Ok,M
6	VN1108WBSD01	VN084741.D	08 Nov 2024 11:43	JC\MD	Ok,M
7	VIBLK	VN084742.D	08 Nov 2024 12:07	JC\MD	Ok
8	PB164695TB	VN084743.D	08 Nov 2024 12:31	JC\MD	Ok
9	P4719-03	VN084744.D	08 Nov 2024 12:55	JC\MD	Ok
10	P4720-05	VN084745.D	08 Nov 2024 13:19	JC\MD	Ok,M
11	P4774-01	VN084746.D	08 Nov 2024 13:44	JC\MD	Ok
12	P4774-02	VN084747.D	08 Nov 2024 14:08	JC\MD	Ok
13	P4774-03	VN084748.D	08 Nov 2024 14:32	JC\MD	Ok
14	P4774-04	VN084749.D	08 Nov 2024 14:56	JC\MD	Ok
15	P4774-05	VN084750.D	08 Nov 2024 15:20	JC\MD	Ok
16	P4774-06	VN084751.D	08 Nov 2024 15:44	JC\MD	Dilution
17	P4774-07	VN084752.D	08 Nov 2024 16:08	JC\MD	Dilution
18	VIBLK	VN084753.D	08 Nov 2024 16:32	JC\MD	Ok
19	P4722-02	VN084754.D	08 Nov 2024 16:56	JC\MD	Ok
20	P4738-02	VN084755.D	08 Nov 2024 17:20	JC\MD	Ok
21	P4739-04	VN084756.D	08 Nov 2024 17:44	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110824

Review By	John Carlone	Review On	11/11/2024 10:14:30 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/11/2024 12:59:46 PM				
SubDirectory	VN110824	HP Acquire Method	MSVOA_N	HP Processing Method	82N103024W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP131356
Initial Calibration Stds	
CCC	VP131357,VP131358
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4739-08	VN084757.D	08 Nov 2024 18:08	JC\MD	Ok
23	P4739-08	VN084758.D	08 Nov 2024 18:32	JC\MD	Not Ok
24	P4739-12	VN084759.D	08 Nov 2024 18:56	JC\MD	Ok,M
25	VIBLK	VN084760.D	08 Nov 2024 19:20	JC\MD	Ok
26	VSTDCCC050	VN084761.D	08 Nov 2024 19:44	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111124

Review By	John Carlone	Review On	11/12/2024 10:06:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/12/2024 2:45:50 PM		
SubDirectory	VN111124	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131367
Initial Calibration Stds	
CCC	VP131368,VP131369
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084762.D	11 Nov 2024 10:21	JC\MD	Ok
2	VSTDCCC050	VN084763.D	11 Nov 2024 10:54	JC\MD	Ok,M
3	VN1111MBL01	VN084764.D	11 Nov 2024 12:06	JC\MD	Ok
4	VN1111WBL01	VN084765.D	11 Nov 2024 12:30	JC\MD	Ok
5	VN1111WBS01	VN084766.D	11 Nov 2024 12:54	JC\MD	Ok,M
6	P4774-06DL	VN084767.D	11 Nov 2024 13:18	JC\MD	Ok
7	P4774-07DL	VN084768.D	11 Nov 2024 13:42	JC\MD	Ok
8	VN1111WBSD01	VN084769.D	11 Nov 2024 14:06	JC\MD	Ok,M
9	P4722-07	VN084770.D	11 Nov 2024 14:30	JC\MD	Ok
10	P4722-12	VN084771.D	11 Nov 2024 14:54	JC\MD	Ok
11	P4722-16	VN084772.D	11 Nov 2024 15:18	JC\MD	Ok
12	P4722-18	VN084773.D	11 Nov 2024 15:42	JC\MD	Ok
13	P4722-20	VN084774.D	11 Nov 2024 16:06	JC\MD	Ok
14	PB164794TB	VN084775.D	11 Nov 2024 16:30	JC\MD	Ok
15	P4756-04	VN084776.D	11 Nov 2024 16:54	JC\MD	Ok
16	P4771-06	VN084777.D	11 Nov 2024 17:18	JC\MD	Ok
17	P4771-08	VN084778.D	11 Nov 2024 17:42	JC\MD	Ok
18	P4788-04	VN084779.D	11 Nov 2024 18:06	JC\MD	Ok
19	P4789-04	VN084780.D	11 Nov 2024 18:30	JC\MD	Ok
20	P4792-06	VN084781.D	11 Nov 2024 18:54	JC\MD	Ok
21	P4793-02	VN084782.D	11 Nov 2024 19:18	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111124

Review By	John Carlone	Review On	11/12/2024 10:06:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/12/2024 2:45:50 PM		
SubDirectory	VN111124	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131367
Initial Calibration Stds	
CCC	VP131368,VP131369
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4795-02	VN084783.D	11 Nov 2024 19:42	JC\MD	Ok
23	P4798-04	VN084784.D	11 Nov 2024 20:06	JC\MD	Ok
24	P4792-04	VN084785.D	11 Nov 2024 20:30	JC\MD	ReRun
25	P4791-02	VN084786.D	11 Nov 2024 20:54	JC\MD	ReRun
26	VSTDCCC050	VN084787.D	11 Nov 2024 21:18	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110824

Review By	John Carlone	Review On	11/11/2024 10:14:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/11/2024 12:59:46 PM		
SubDirectory	VN110824	HP Acquire Method	MSVOA_N	HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131356
Initial Calibration Stds	
CCC	VP131357,VP131358
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	VN084736.D	08 Nov 2024 08:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084737.D	08 Nov 2024 09:39		JC\MD	Ok,M
3	VN1108MBL01	VN1108MBL01	VN084738.D	08 Nov 2024 10:20	Contaminated	JC\MD	Not Ok
4	VN1108WBL01	VN1108WBL01	VN084739.D	08 Nov 2024 10:44		JC\MD	Ok
5	VN1108WBS01	VN1108WBS01	VN084740.D	08 Nov 2024 11:19		JC\MD	Ok,M
6	VN1108WBSD01	VN1108WBSD01	VN084741.D	08 Nov 2024 11:43		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084742.D	08 Nov 2024 12:07		JC\MD	Ok
8	PB164695TB	PB164695TB	VN084743.D	08 Nov 2024 12:31	vial B pH#5.0	JC\MD	Ok
9	P4719-03	BAYAVE-STOCKPILE	VN084744.D	08 Nov 2024 12:55	vial B pH#5.0	JC\MD	Ok
10	P4720-05	JC-701-COMP-01	VN084745.D	08 Nov 2024 13:19	vial B pH#5.0	JC\MD	Ok,M
11	P4774-01	BP-VPB-190-TB-20241	VN084746.D	08 Nov 2024 13:44	vial A pH<2 TB	JC\MD	Ok
12	P4774-02	VPB190-HYD-2024110	VN084747.D	08 Nov 2024 14:08	vial A pH<2	JC\MD	Ok
13	P4774-03	BP-VPB-190-EB-20241	VN084748.D	08 Nov 2024 14:32	vial A pH<2 EB	JC\MD	Ok
14	P4774-04	BP-VPB-190-DUP-2024	VN084749.D	08 Nov 2024 14:56	vial A pH<2	JC\MD	Ok
15	P4774-05	BP-VPB-190-GW-618-6	VN084750.D	08 Nov 2024 15:20	vial A pH<2	JC\MD	Ok
16	P4774-06	BP-VPB-190-GW-638-6	VN084751.D	08 Nov 2024 15:44	vial A pH<2 Need 5X	JC\MD	Dilution
17	P4774-07	BP-VPB-190-GW-658-6	VN084752.D	08 Nov 2024 16:08	vial A pH<2 Need 10X	JC\MD	Dilution
18	VIBLK	VIBLK	VN084753.D	08 Nov 2024 16:32		JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110824

Review By	John Carlone	Review On	11/11/2024 10:14:30 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/11/2024 12:59:46 PM		
SubDirectory	VN110824	HP Acquire Method	MSVOA_N	HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131356
Initial Calibration Stds	
CCC	VP131357,VP131358
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4722-02	WC-1(3.5)	VN084754.D	08 Nov 2024 16:56	vial B pH#6.0	JC\MD	Ok
20	P4738-02	72-12018	VN084755.D	08 Nov 2024 17:20	vial B pH#5.0	JC\MD	Ok
21	P4739-04	TP-14	VN084756.D	08 Nov 2024 17:44	vial B pH#5.0	JC\MD	Ok
22	P4739-08	BP-G2	VN084757.D	08 Nov 2024 18:08	vial B pH#5.0	JC\MD	Ok
23	P4739-08	BP-G2	VN084758.D	08 Nov 2024 18:32	Already analyzed	JC\MD	Not Ok
24	P4739-12	BP-B2	VN084759.D	08 Nov 2024 18:56	vial B pH#5.0	JC\MD	Ok,M
25	VIBLK	VIBLK	VN084760.D	08 Nov 2024 19:20		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN084761.D	08 Nov 2024 19:44		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111124

Review By	John Carlone	Review On	11/12/2024 10:06:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/12/2024 2:45:50 PM		
SubDirectory	VN111124	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131367
Initial Calibration Stds	
CCC	VP131368,VP131369
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	VN084762.D	11 Nov 2024 10:21		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084763.D	11 Nov 2024 10:54	V13516	JC\MD	Ok,M
3	VN1111MBL01	VN1111MBL01	VN084764.D	11 Nov 2024 12:06		JC\MD	Ok
4	VN1111WBL01	VN1111WBL01	VN084765.D	11 Nov 2024 12:30		JC\MD	Ok
5	VN1111WBS01	VN1111WBS01	VN084766.D	11 Nov 2024 12:54		JC\MD	Ok,M
6	P4774-06DL	BP-VPB-190-GW-638-6	VN084767.D	11 Nov 2024 13:18	vial B pH<2	JC\MD	Ok
7	P4774-07DL	BP-VPB-190-GW-658-6	VN084768.D	11 Nov 2024 13:42	vial B pH<2	JC\MD	Ok
8	VN1111WBSD01	VN1111WBSD01	VN084769.D	11 Nov 2024 14:06		JC\MD	Ok,M
9	P4722-07	WC-2(4)	VN084770.D	11 Nov 2024 14:30	vial B pH#5.0	JC\MD	Ok
10	P4722-12	WC-3(3)	VN084771.D	11 Nov 2024 14:54	vial B pH#5.0	JC\MD	Ok
11	P4722-16	WC-1(5.5)	VN084772.D	11 Nov 2024 15:18	vial B pH#5.0	JC\MD	Ok
12	P4722-18	WC-2(2)	VN084773.D	11 Nov 2024 15:42	vial B pH#5.0	JC\MD	Ok
13	P4722-20	WC-3(5)	VN084774.D	11 Nov 2024 16:06	vial B pH#5.0	JC\MD	Ok
14	PB164794TB	PB164794TB	VN084775.D	11 Nov 2024 16:30		JC\MD	Ok
15	P4756-04	BP-B4	VN084776.D	11 Nov 2024 16:54	vial A pH#5.0	JC\MD	Ok
16	P4771-06	P-1	VN084777.D	11 Nov 2024 17:18	vial A pH#5.0	JC\MD	Ok
17	P4771-08	P-2	VN084778.D	11 Nov 2024 17:42	vial A pH#5.0	JC\MD	Ok
18	P4788-04	BP-G3	VN084779.D	11 Nov 2024 18:06	vial A pH#5.0	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111124

Review By	John Carlone	Review On	11/12/2024 10:06:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/12/2024 2:45:50 PM		
SubDirectory	VN111124	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131367
Initial Calibration Stds	
CCC	VP131368,VP131369
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4789-04	BP-F21	VN084780.D	11 Nov 2024 18:30	vial A pH#5.0	JC\MD	Ok
20	P4792-06	OILY-STONE-DRUM	VN084781.D	11 Nov 2024 18:54	vial A pH#5.0	JC\MD	Ok
21	P4793-02	M00-24-00345	VN084782.D	11 Nov 2024 19:18	vial A pH#5.0	JC\MD	Ok
22	P4795-02	LAW-23-00189	VN084783.D	11 Nov 2024 19:42	vial A pH#5.0	JC\MD	Ok
23	P4798-04	MH-6	VN084784.D	11 Nov 2024 20:06	vial A pH#5.0	JC\MD	Ok
24	P4792-04	MANHOLE-WASTE-DR	VN084785.D	11 Nov 2024 20:30	CCC high for com #16 and low for com #17; BS/BSD low	JC\MD	ReRun
25	P4791-02	HINCHMAN-OILY-WAT	VN084786.D	11 Nov 2024 20:54	CCC high for com #16 and low for com #17; BS/BSD low	JC\MD	ReRun
26	VSTDCCC050	VSTDCCC050EC	VN084787.D	11 Nov 2024 21:18		JC\MD	Ok,M

M : Manual Integration

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

Prep Standard - Chemical Standard Summary

Order ID : P4774

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vn110824,VN111124,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130430,VP131134,VP131317,VP131356,VP131357,VP131358,VP131367,VP131368,VP131369,

Chemical ID :
V12794,V12798,V13390,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14171,V14172,V14203,V14206,V14215,V14288,V14436,V14443,V14573,V14574,V14575,W3112,

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP128290	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP128298	06/10/2024	11/23/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/12/2024

FROM 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = 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	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = 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	VP131134	10/28/2024	12/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/30/2024

FROM 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131317	11/07/2024	11/30/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131356	11/08/2024	11/09/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131357	11/08/2024	11/09/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 39.94400ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = 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	VP131358	11/08/2024	11/09/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/13/2024

FROM 39.94400ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131367	11/11/2024	11/12/2024	John Carlone	None	None	Mahesh Dadoda 11/13/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP128290 = 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	VP131368	11/11/2024	11/12/2024	John Carlone	None	None	Mahesh Dadoda 11/13/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP131369	11/11/2024	11/12/2024	John Carlone	None	None	Mahesh Dadoda 11/13/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	12/08/2024	12/08/2023 / SAM	01/13/2023 / SAM	V13390

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	A0181905	12/14/2024	06/14/2024 / SAM	01/23/2023 / SAM	V13444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

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	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13797

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	A0194279	04/17/2025	10/17/2024 / SAM	05/31/2023 / SAM	V13810

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)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14018

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)	032922	03/16/2025	09/16/2024 / SAM	11/22/2023 / SAM	V14019

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	A0205179	04/17/2025	10/17/2024 / SAM	12/22/2023 / SAM	V14107

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	03/16/2025	09/16/2024 / SAM	12/22/2023 / SAM	V14108

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	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

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	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

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	11/23/2024	05/23/2024 / pedro	02/06/2024 / SAM	V14148

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	04/23/2025	10/23/2024 / Rajesh	02/06/2024 / SAM	V14150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14171

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/16/2025	09/16/2024 / SAM	02/20/2024 / SAM	V14172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	04/17/2025	10/17/2024 / SAM	02/28/2024 / SAM	V14206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/16/2025	09/16/2024 / SAM	02/28/2024 / SAM	V14215

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	06/10/2025	06/10/2024 / SAM	04/15/2024 / SAM	V14288

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	09/16/2024 / SAM	08/15/2024 / SAM	V14436

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	03/16/2025	09/16/2024 / SAM	08/15/2024 / SAM	V14443

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14573

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14574

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	103024	11/30/2024	11/04/2024 / SAM	11/01/2024 / SAM	V14575

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

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): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

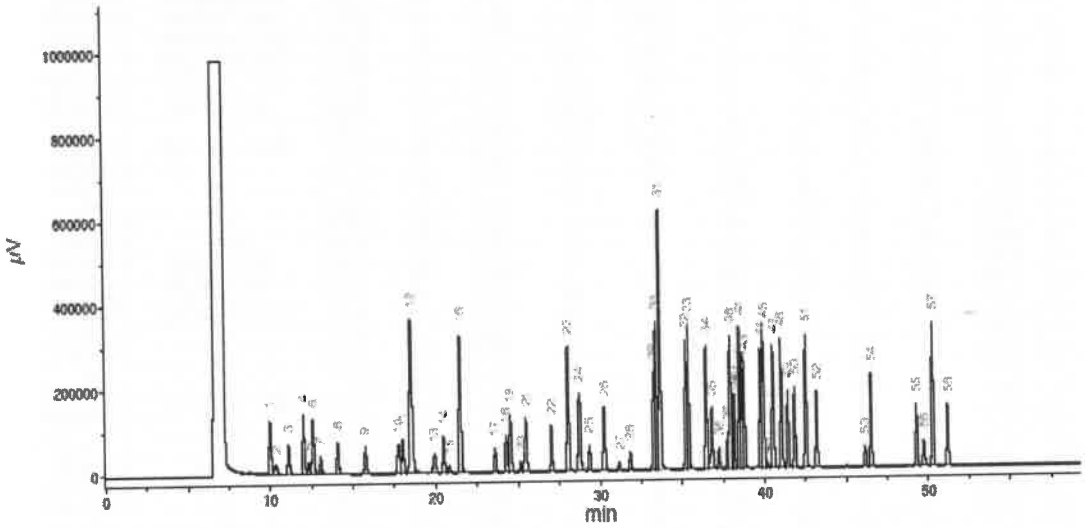
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	(0486)	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)	06126PX	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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	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	40017.8	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 (46mg/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	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 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-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
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	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
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, 2023

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.

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): Methanol **Lot#** EG359-USQ12

Formulated By:	Prashant Chauhan	021624	DATE
Reviewed By:	Pedro L. Rentas	021624	DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

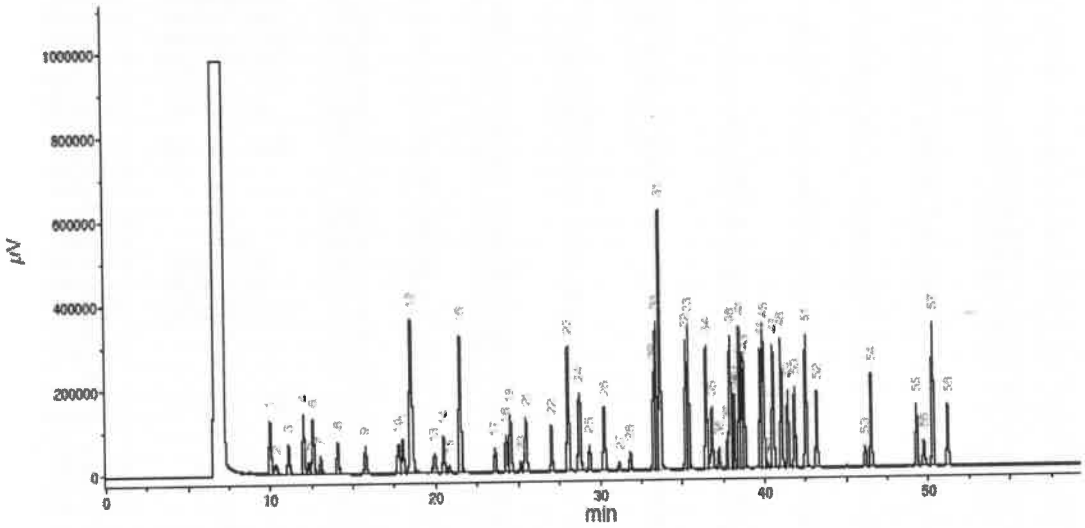
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	(0486)	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)	06126PX	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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	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	40017.8	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 (46mg/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	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 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-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
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	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
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, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

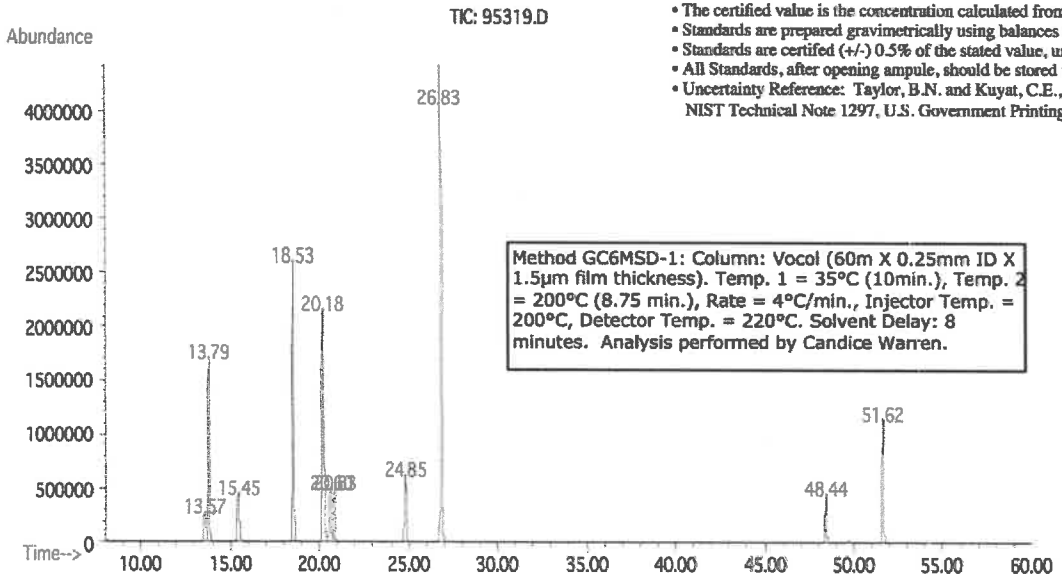
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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, 2023

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:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

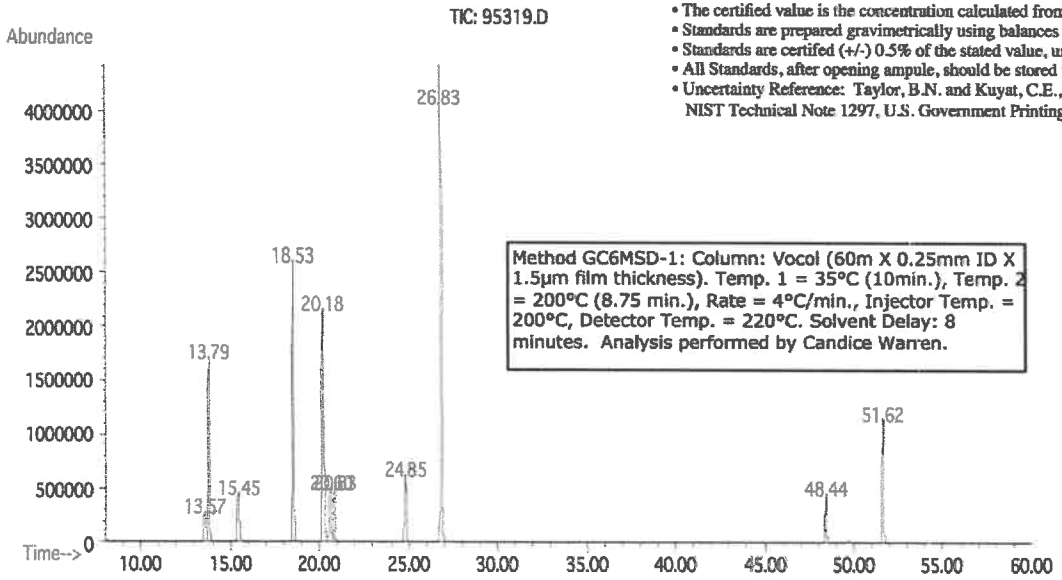
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

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, 2023

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:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

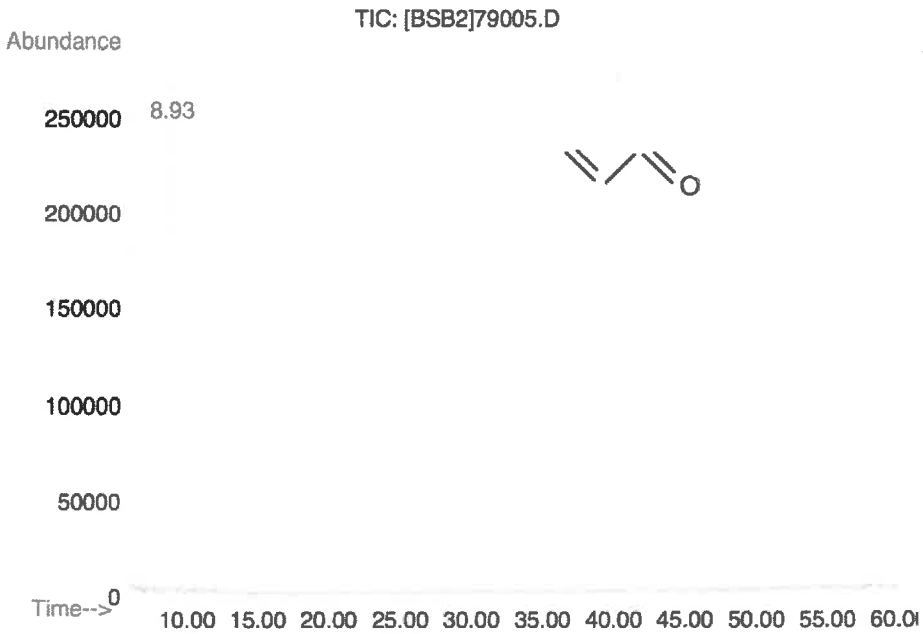
Solvent(s): **Lot#**
Water 072324Q

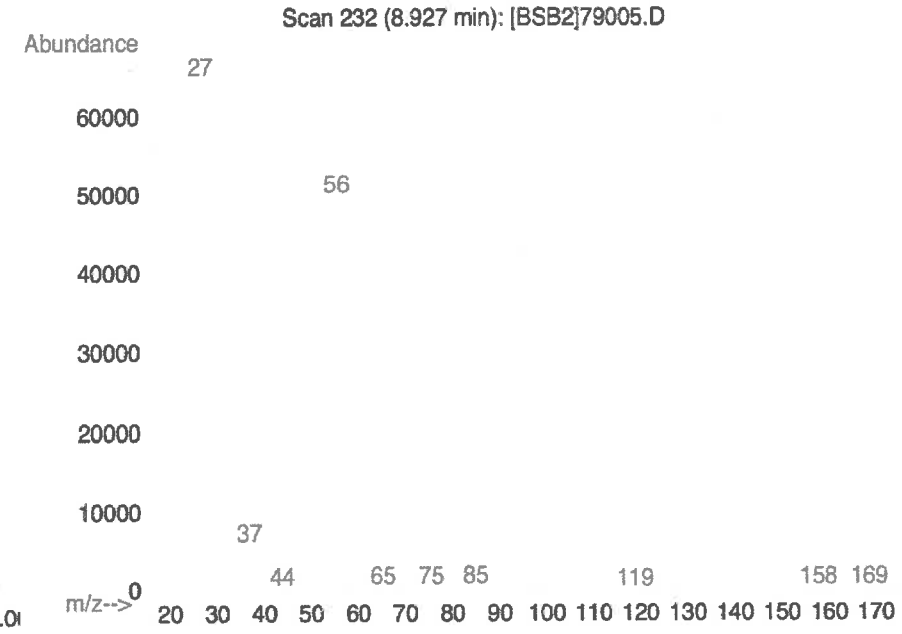
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 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	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

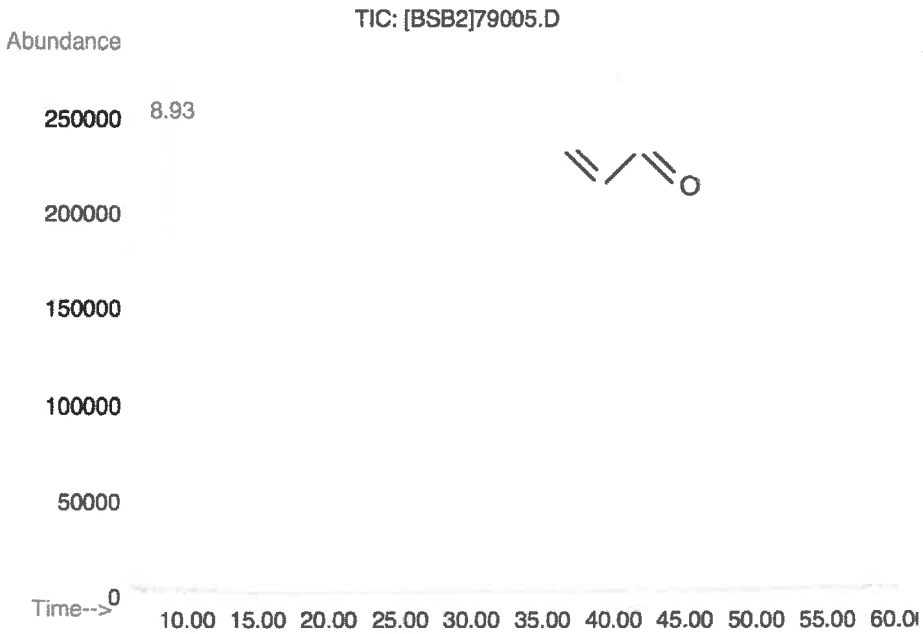
Solvent(s): **Lot#**
Water 072324Q

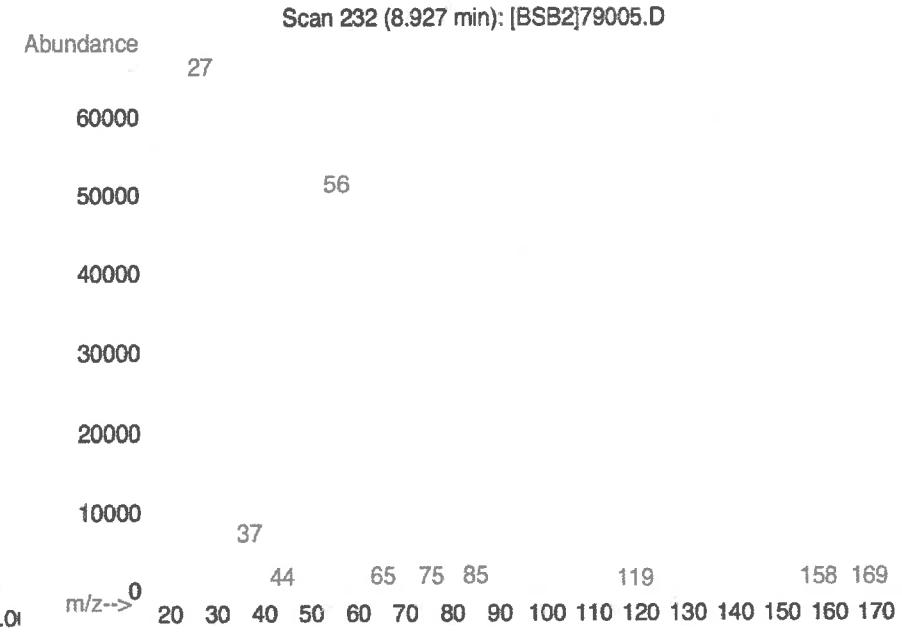
Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

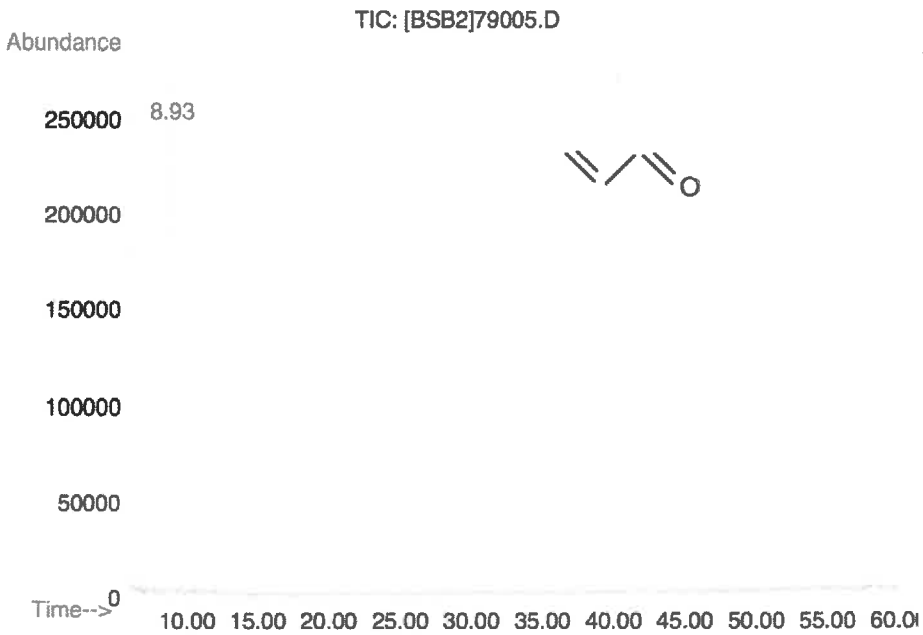
Solvent(s): **Lot#**
Water 072324Q

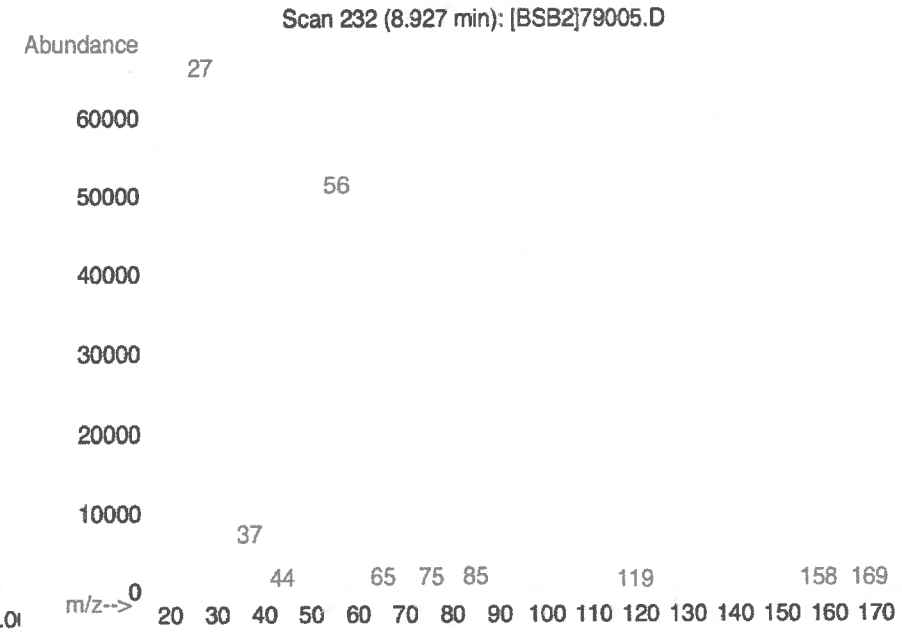
Formulated By:	Lawrence Barry	103024 DATE
Reviewed By:	Pedro L. Rentas	103024 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

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	103755R02H	5000	97	0.5	0.10307	0.10322	5007.0	51.9	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

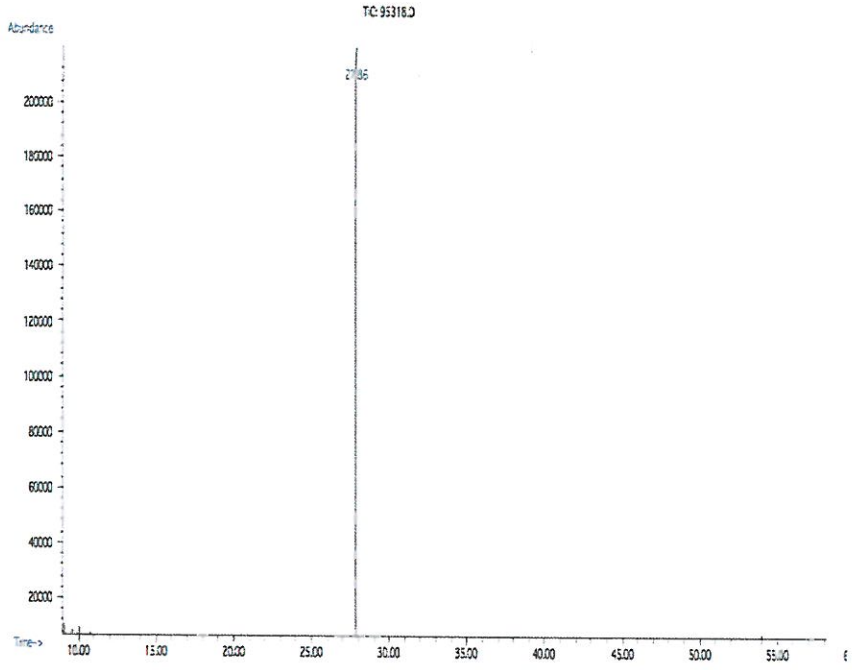
Solvent(s): **Lot#**
Methanol EA899-US

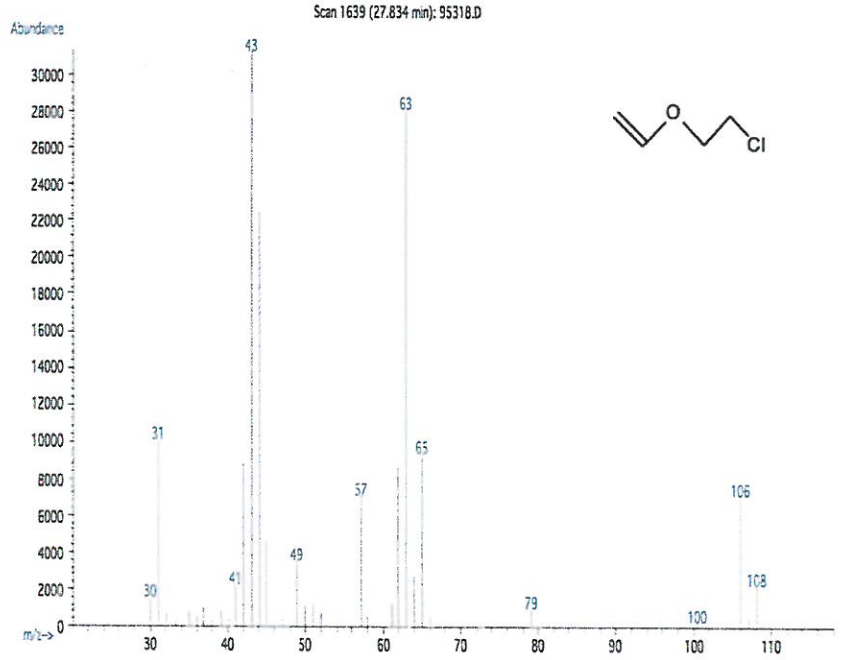
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 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	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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).

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

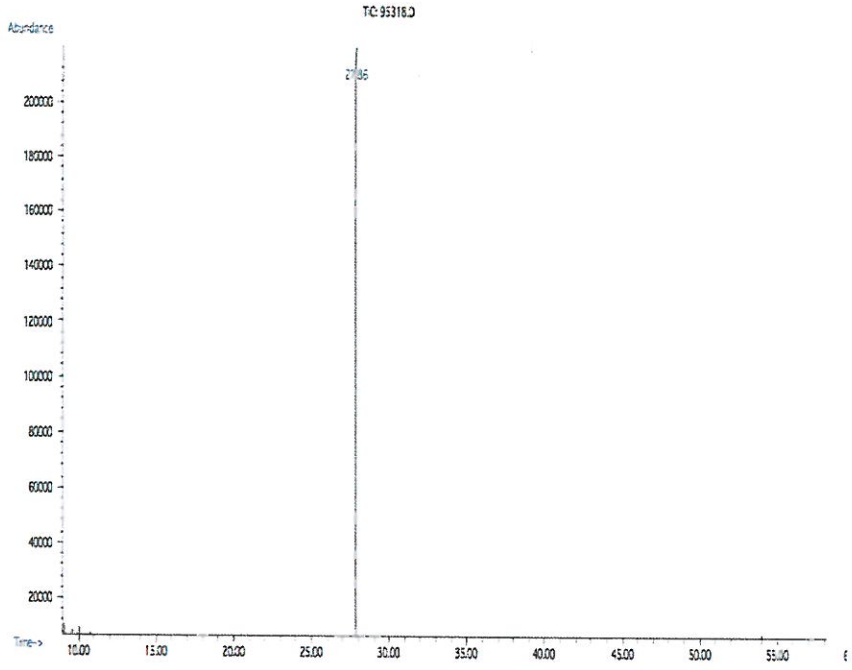
Solvent(s):	Lot#
Methanol	EA899-US

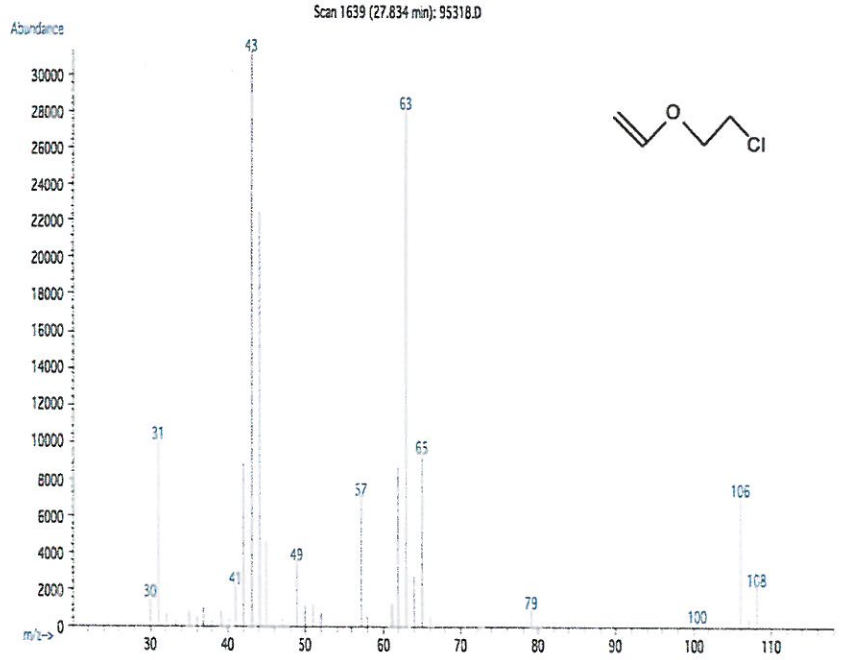
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321 DATE
Reviewed By:	Pedro L. Rentas	121321 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	0.30320	0.30411	10030.2	40.7	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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).

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

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 : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA)		50,126.0	µg/mL	+/- 293.4988	µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)			+/- 1,073.7654	µg/mL	Unstressed
	Purity 99%				+/- 1,104.9494	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

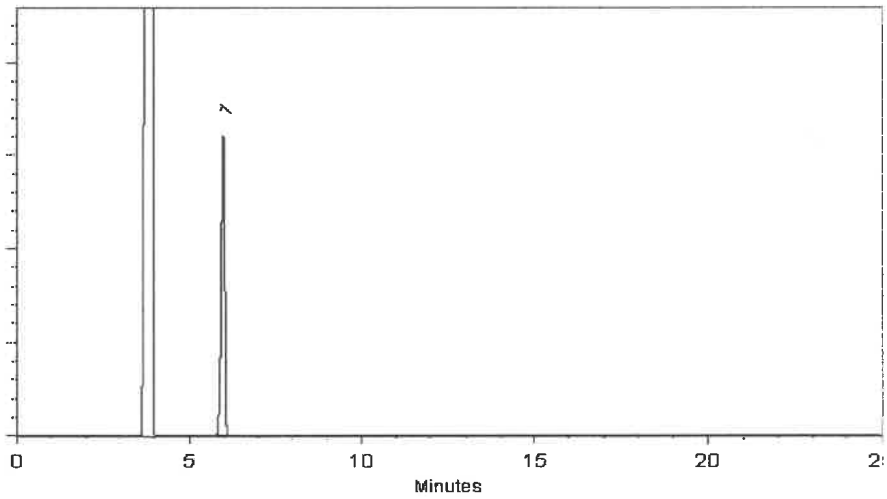
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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

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. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

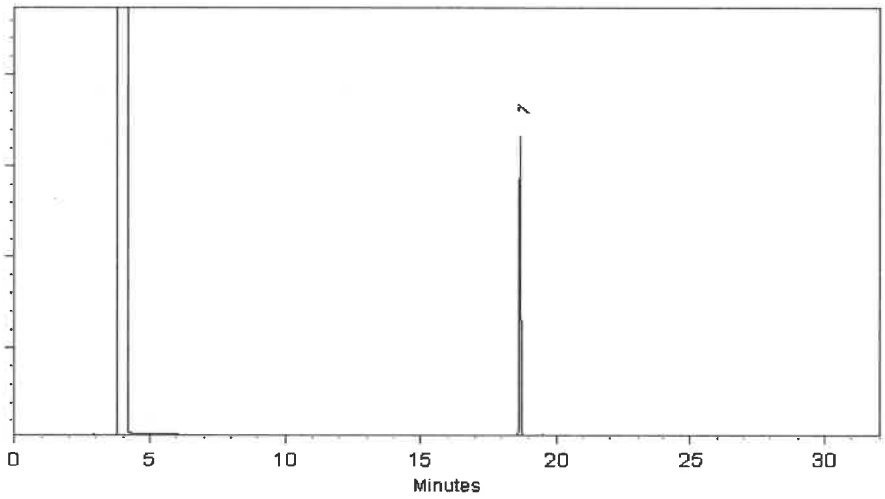
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

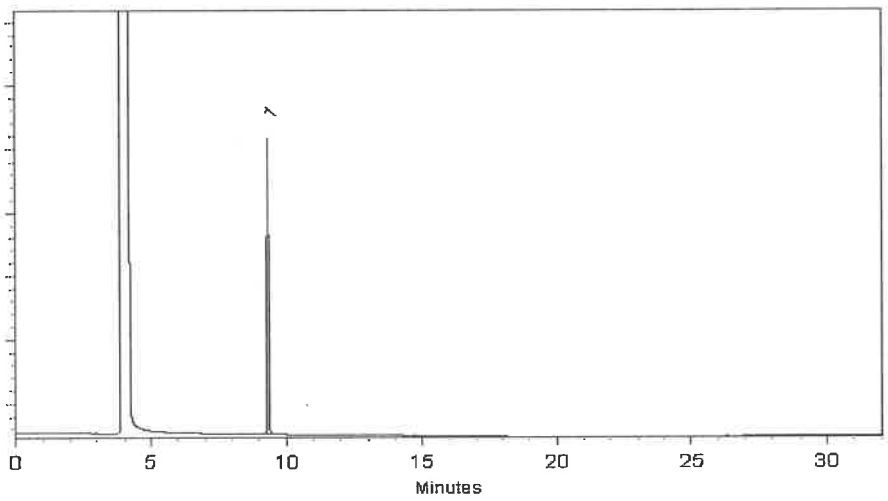
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

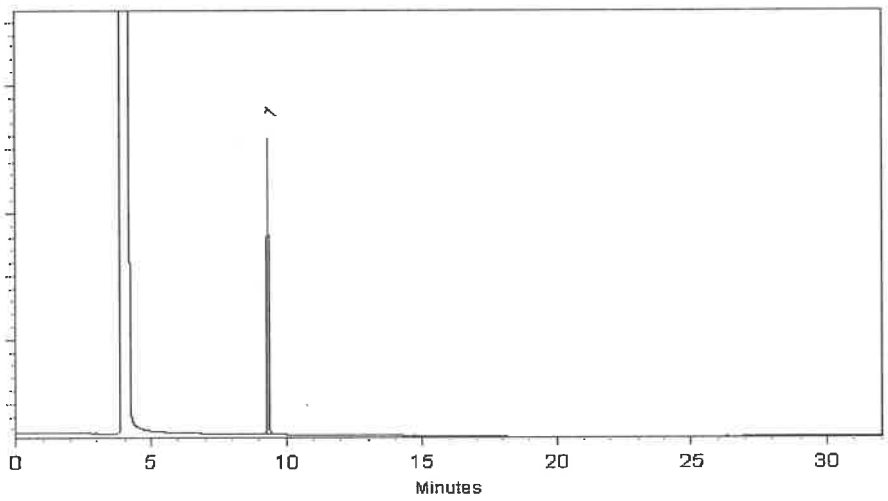
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

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 : October 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	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* 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.

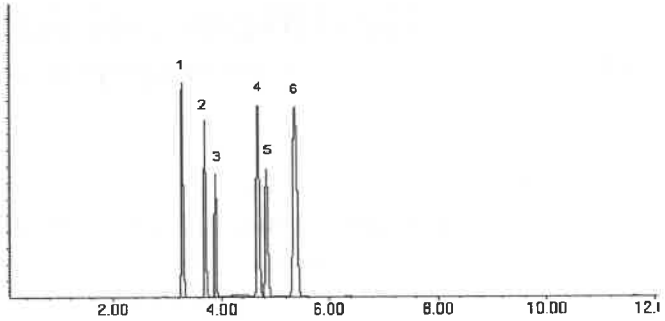
Inj. Temp:
200°C

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: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

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 : October 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	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* 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.

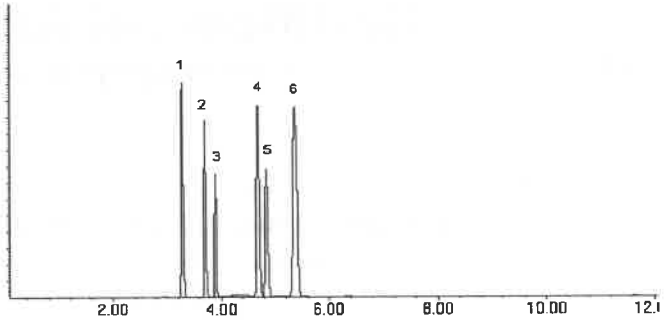
Inj. Temp:
200°C

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: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

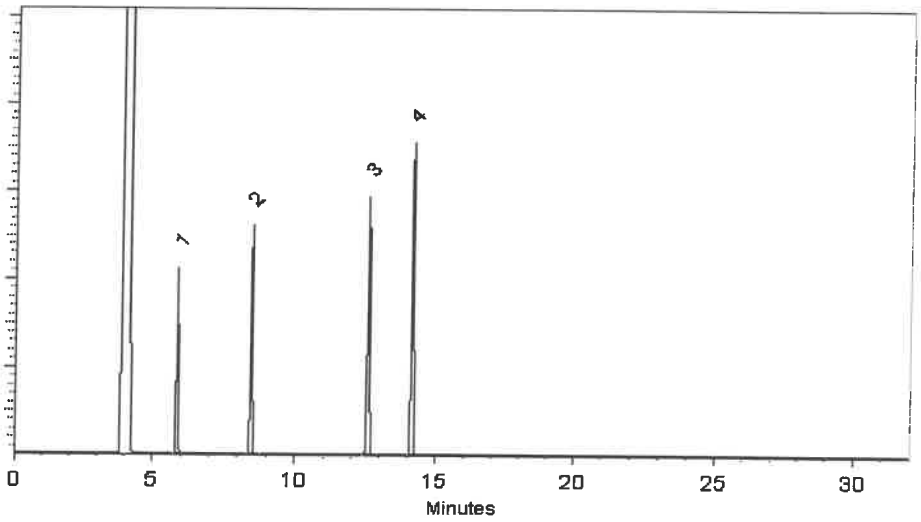
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

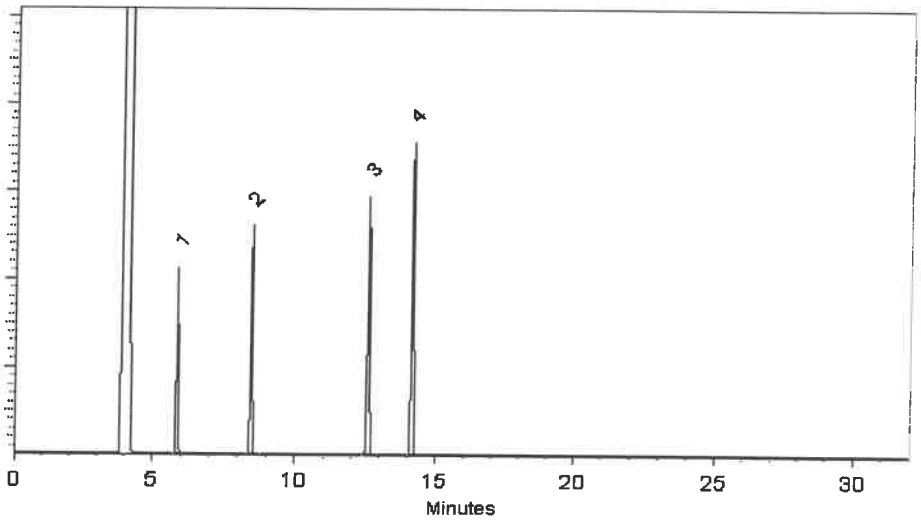
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

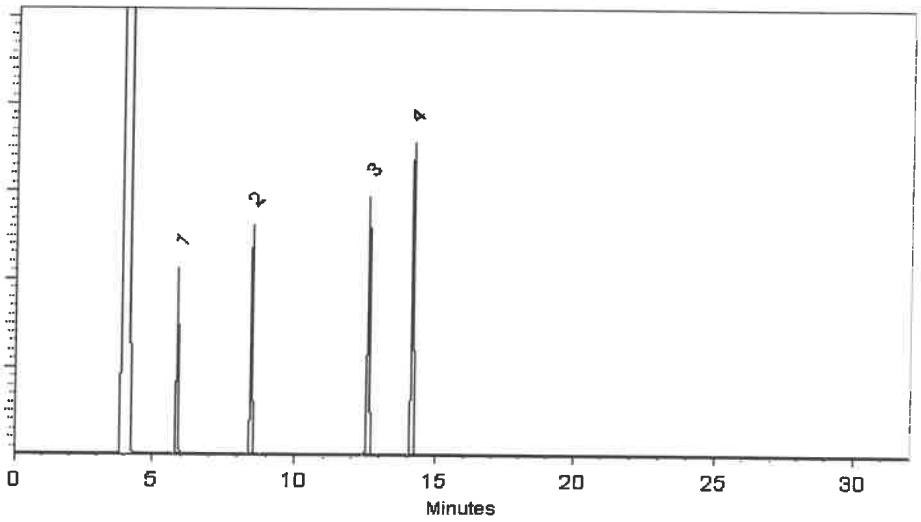
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

12

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

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.:** A0205179

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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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.)

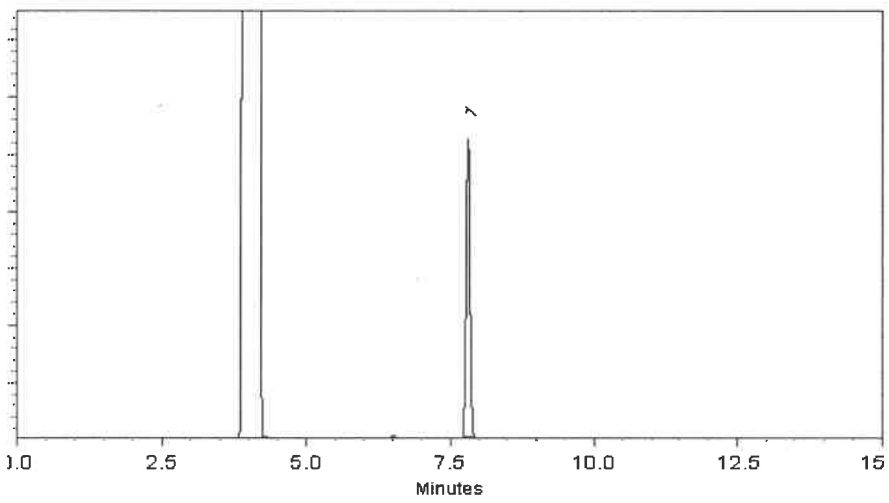
Inj. Temp:
200°C

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.

Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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

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.:** A0205179

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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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.)

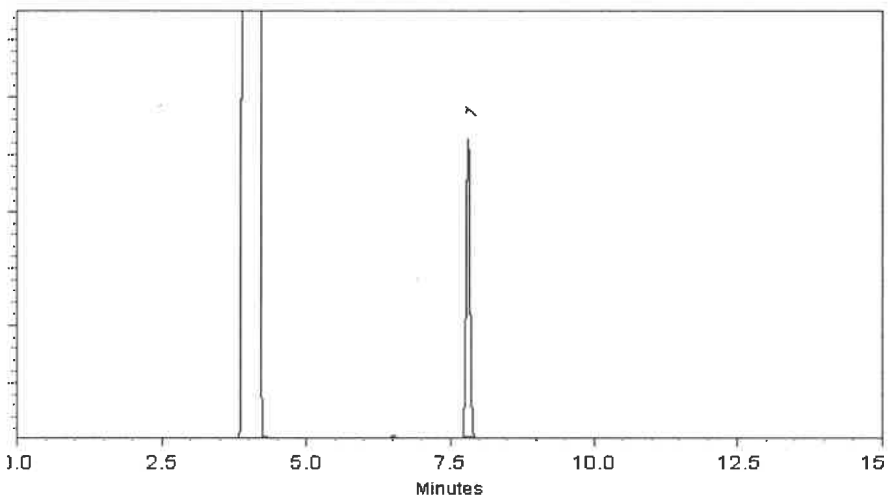
Inj. Temp:
200°C

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.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

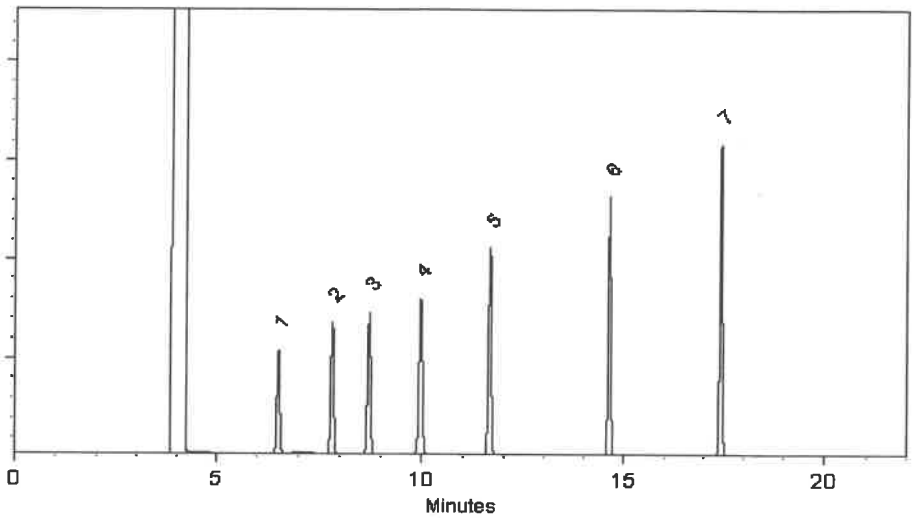
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

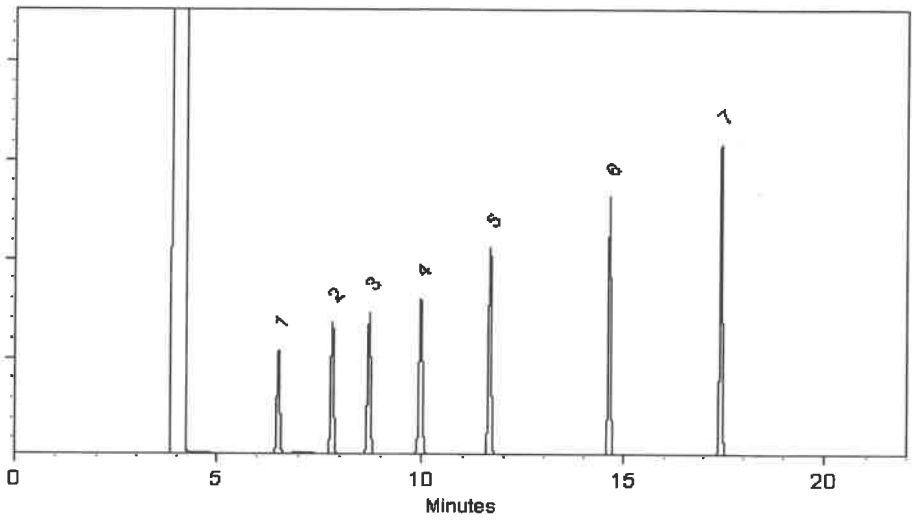
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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: P4778|75

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-189
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

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

	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							
	1	2	3	4	5	6	7	8	9

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-190-TB-20241105	QA		X	11/5/24	8:00	2	2									Trip Blank
2.	VPB190-HYD-20241106	QA		X	11/6/24	10:30	5	2	1	2							Hydrant Sample
3.	BP-VPB-190-EB-20241106	QA		X	11/6/24	10:15	2	2									Equipment Blank
4.	BP-VPB-190-DUP-20241105	QA		X	11/5/24	12:00	2	2									Duplicate sample
5.	BP-VPB-190-GW-618-620	AQ		X	11/5/24	10:40	2	2									
6.	BP-VPB-190-GW-638-640	AQ		X	11/5/24	13:00	3	2	1								
7.	BP-VPB-190-GW-658-660	AQ		X	11/6/24	9:55	2	2									
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	11/7/24 15:00	1 1330 11-7-24
RELINQUISHED BY 2	DATE/TIME	RECEIVED BY 2
RELINQUISHED BY 3	DATE/TIME 184 11-7-24	RECEIVED FOR LAB BY 3

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:

Comments: **48hr 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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4774 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 11/7/2024 3:46:00 PM
Project Name : CTO WE13
Receive DateTime : 11/7/2024 ~~12:00:00~~ 18:45 AM
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
P4774-01	BP-VPB-190-TB-20241105	Water	11/05/2024	08:00	VOCMS Group1		8260-Low		2 Bus. Days
P4774-02	VPB190-HYD-20241106	Water	11/06/2024	10:30	VOCMS Group1		8260-Low		2 Bus. Days
P4774-03	BP-VPB-190-EB-20241106	Water	11/06/2024	10:15	VOCMS Group1		8260-Low		2 Bus. Days
P4774-04	BP-VPB-190-DUP-20241105	Water	11/05/2024	12:00	VOCMS Group1		8260-Low		2 Bus. Days
P4774-05	BP-VPB-190-GW-618-620	Water	11/05/2024	10:40	VOCMS Group1		8260-Low		2 Bus. Days
P4774-06	BP-VPB-190-GW-638-640	Water	11/05/2024	13:00	VOCMS Group1		8260-Low		2 Bus. Days
P4774-07	BP-VPB-190-GW-658-660	Water	11/06/2024	09:55	VOCMS Group1		8260-Low		2 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4774 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 11/7/2024 3:46:00 PM
Project Name : CTO WE13
Receive DateTime : 11/7/2024 ~~12:00:00~~ AM 18:45
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

Relinguished By : AW
Date / Time : 11/8/24 0825

Received By : Sam
Date / Time : 11/8/24 0825 Lg # 4

Storage Area : VOA Refridgerator Room

Received on 11/7/24
Placed in SM-REF

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l		95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l		100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l		99
44) Trichloroethene	9.347	130	209438	97.413 ug/l		98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l		95
46) Dibromomethane	9.706	93	151661	98.281 ug/l		98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l	#	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l		98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l		99
52) Toluene	10.629	92	570832	104.696 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l		97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l		97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l		98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l		97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l		99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l		100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l		96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l		99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l		99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l		99
69) o-Xylene	12.400	106	397449	106.372 ug/l		100
70) Styrene	12.412	104	691175	106.042 ug/l		98
71) Bromoform	12.582	173	162189	98.044 ug/l	#	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l		100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	394250	140.005 ug/l		61
77) Bromobenzene	12.982	156	245558	91.341 ug/l		94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l		98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l		98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l		99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l		99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l		99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l		98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l		100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l		99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l		99
95) Naphthalene	15.641	128	792903	95.997 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

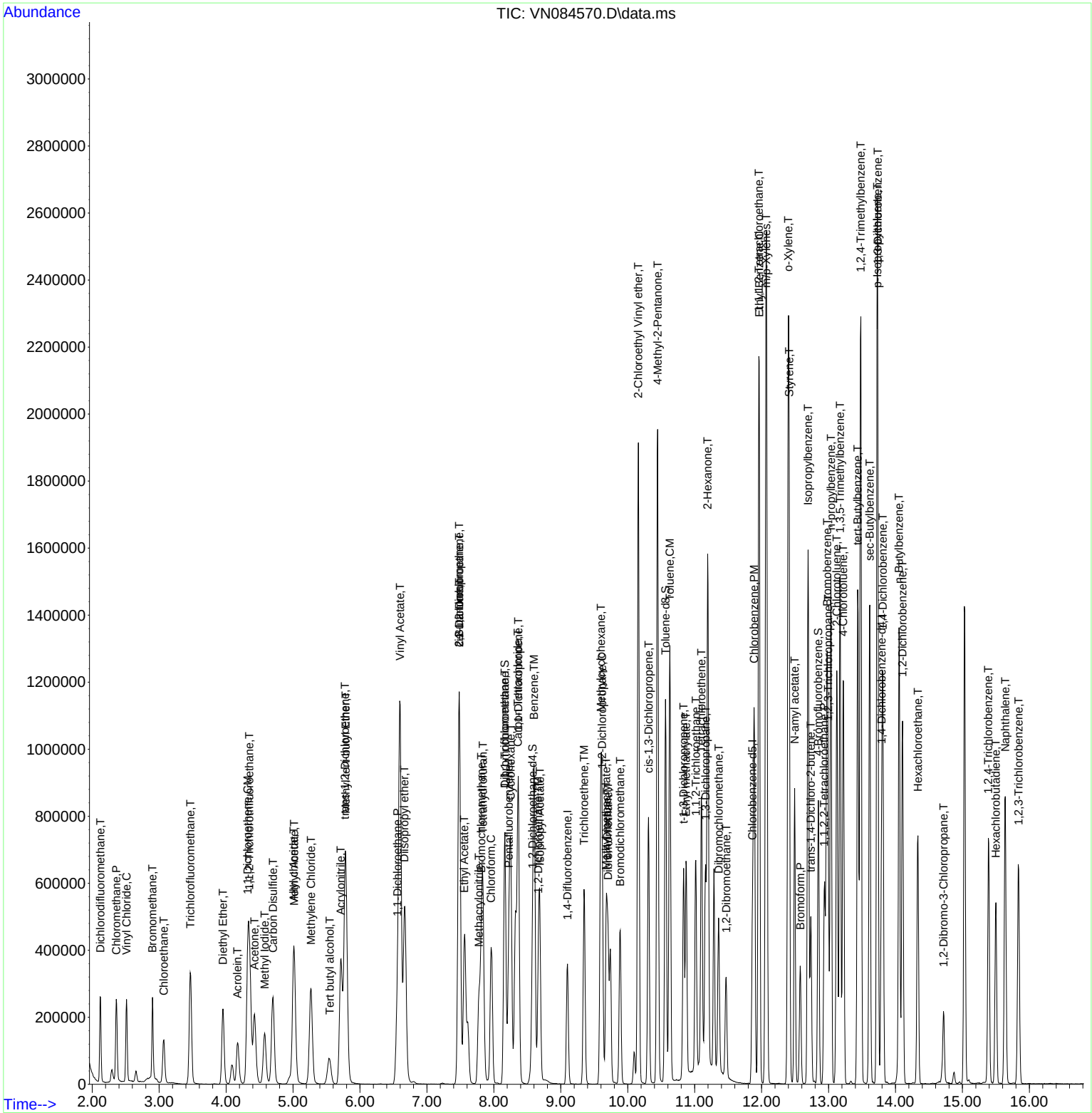
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

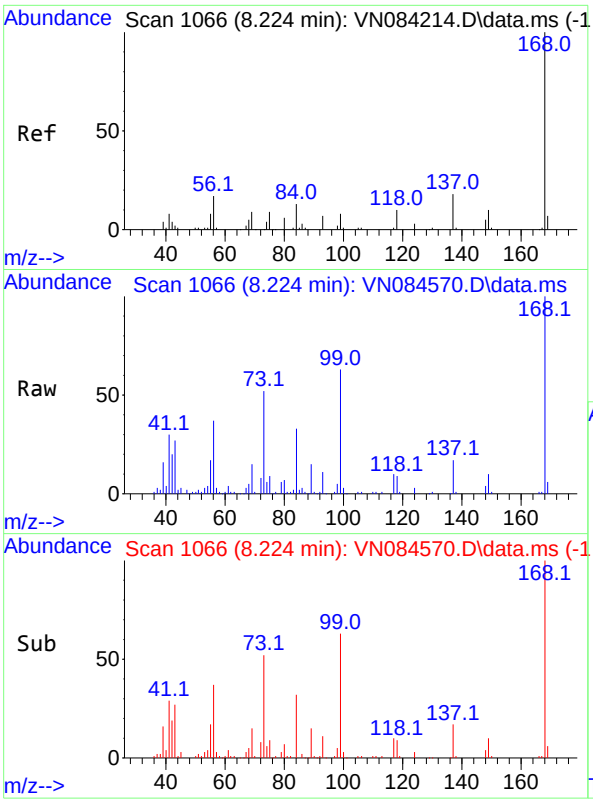
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



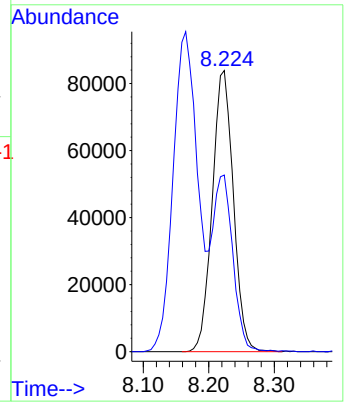


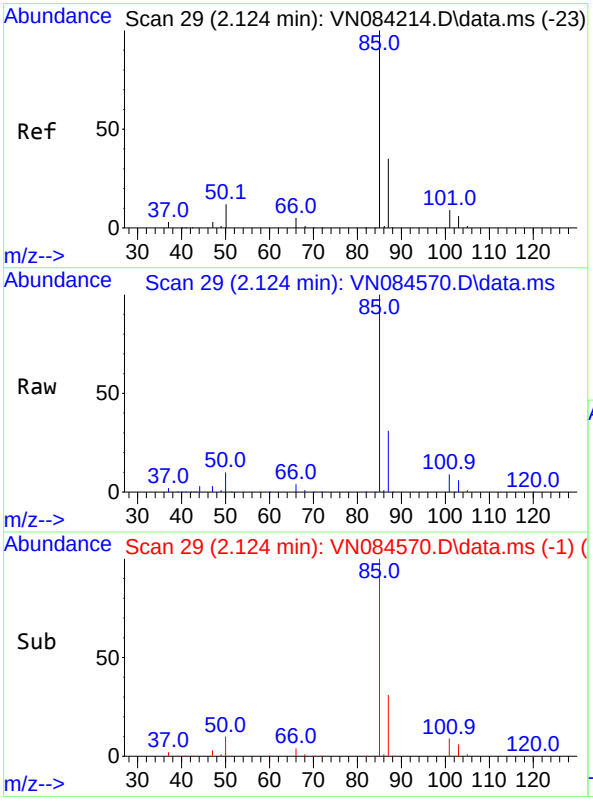
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 187429

Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2

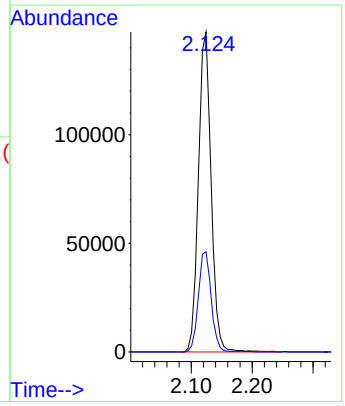


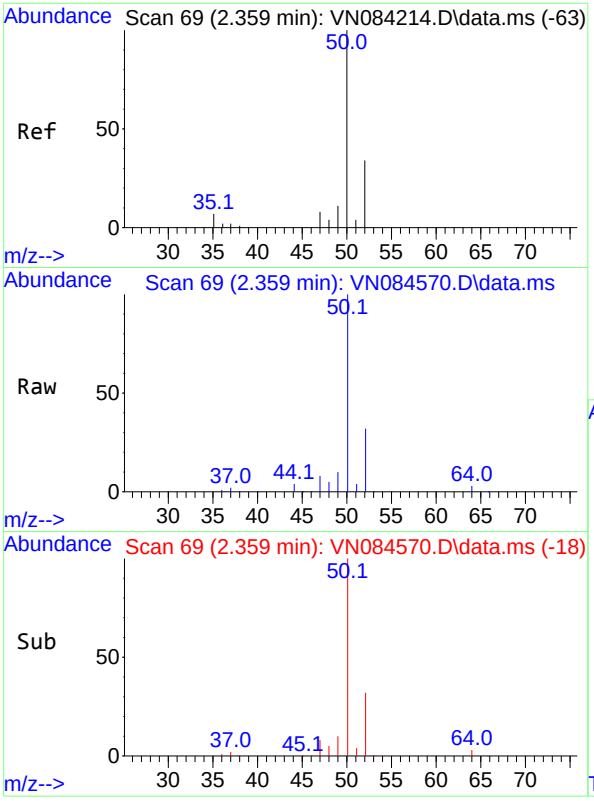


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9



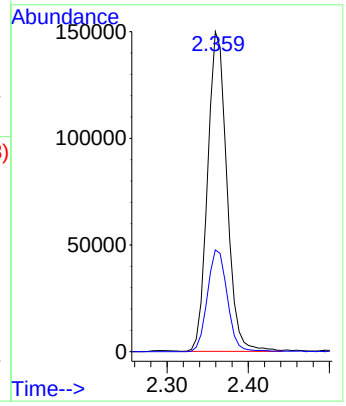


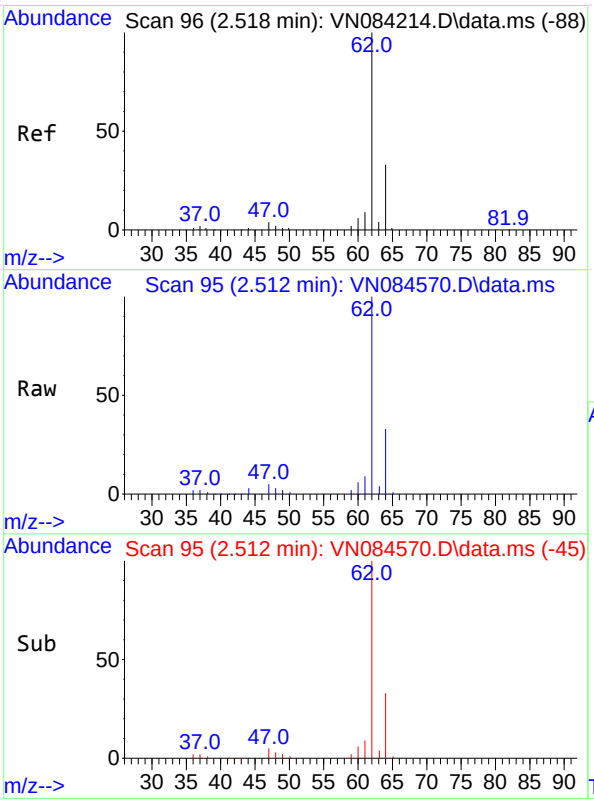
#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 246492

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2

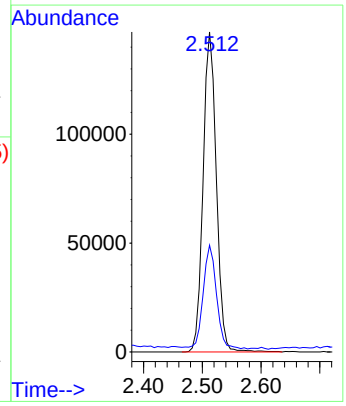


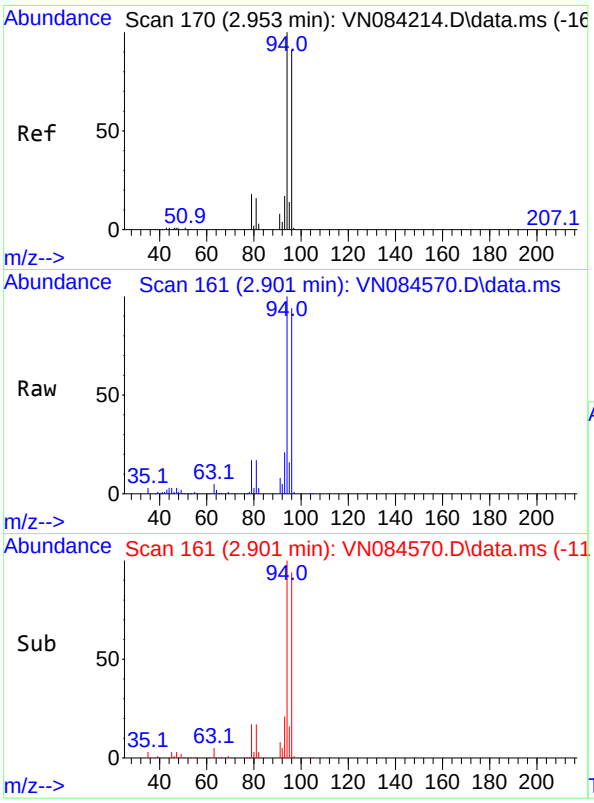


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



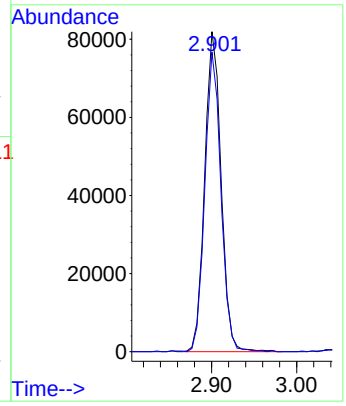


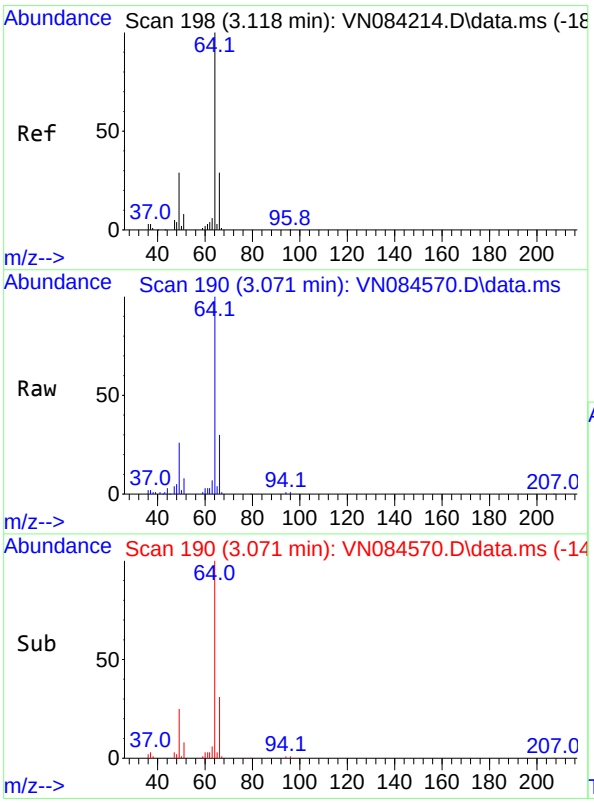
#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 109436

Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3

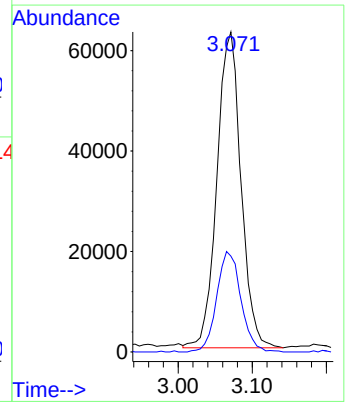


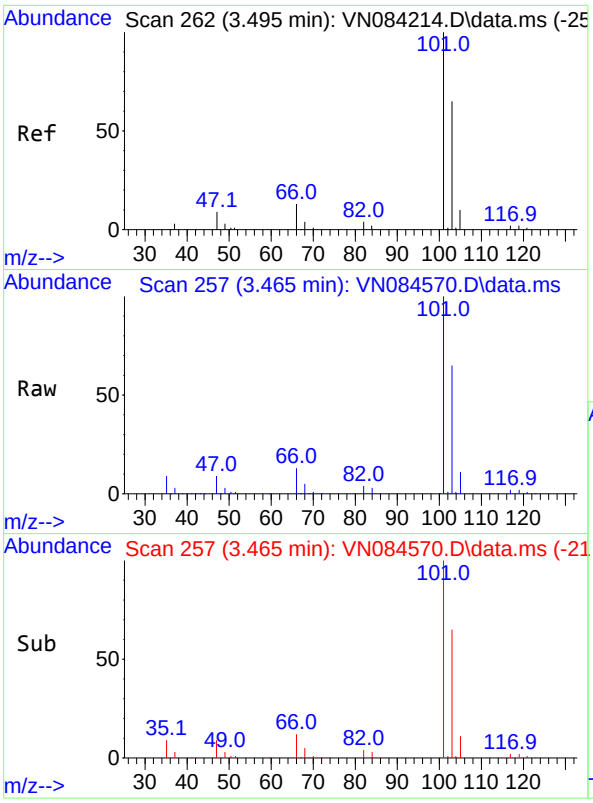


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3



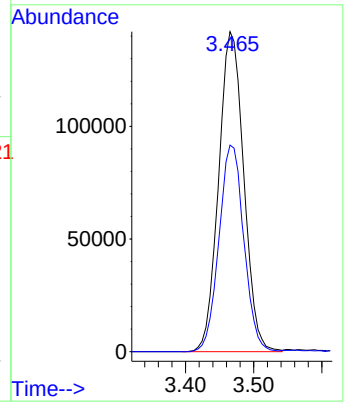


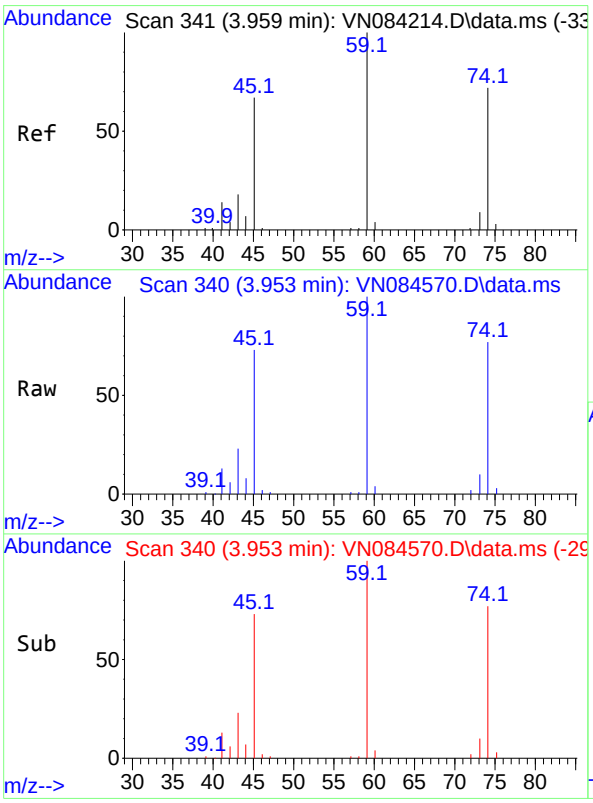
#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 363937

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

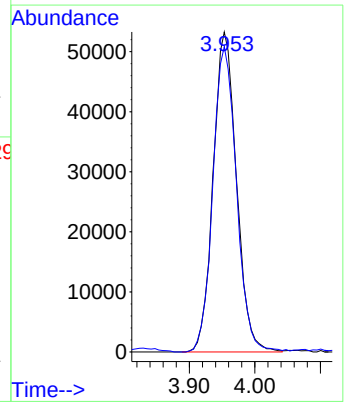


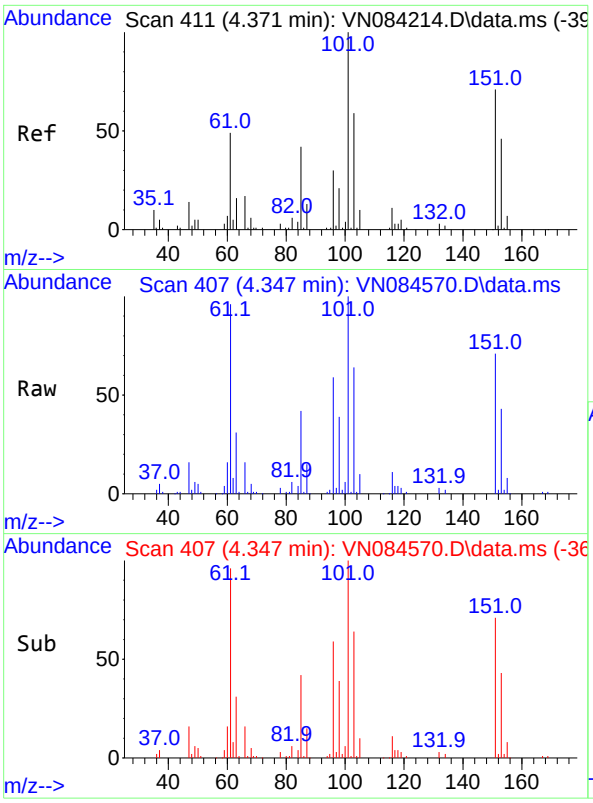


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1



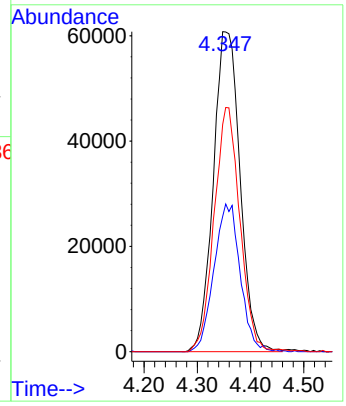


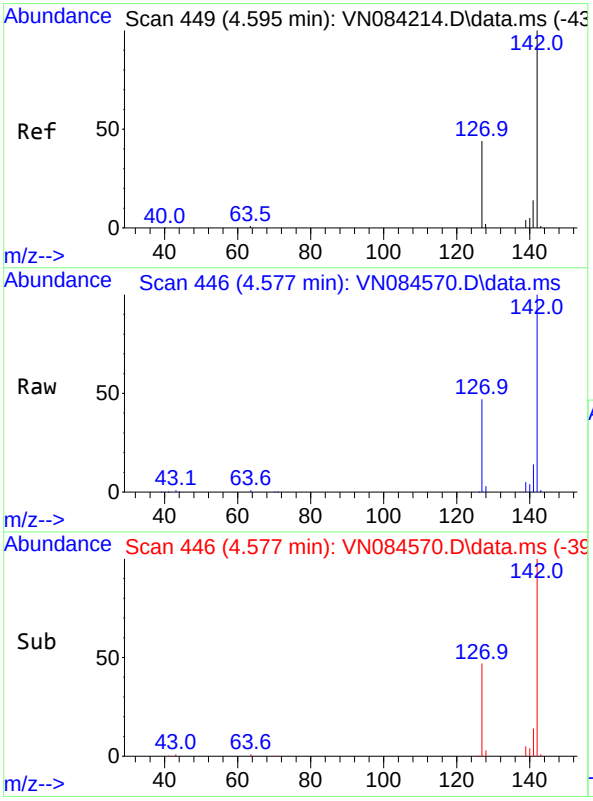
#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 4(
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 212244

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	73.1	59.3	88.9

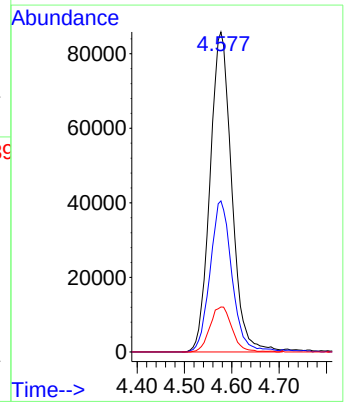


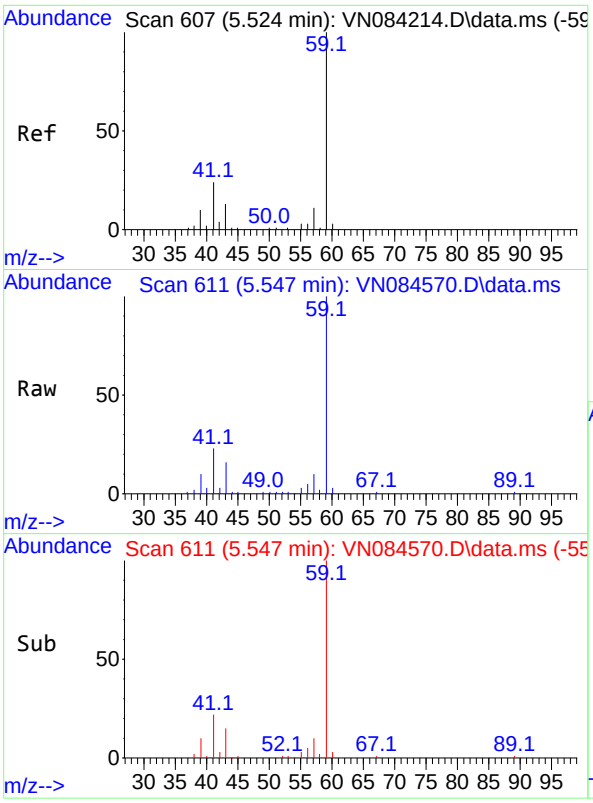


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:142 Resp: 272990

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	14.1	11.0	16.6



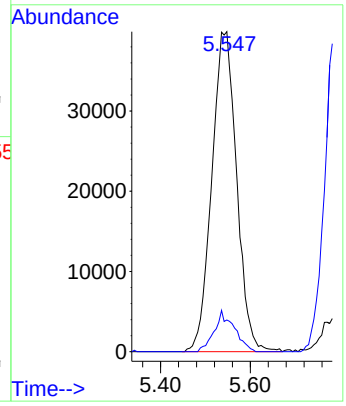


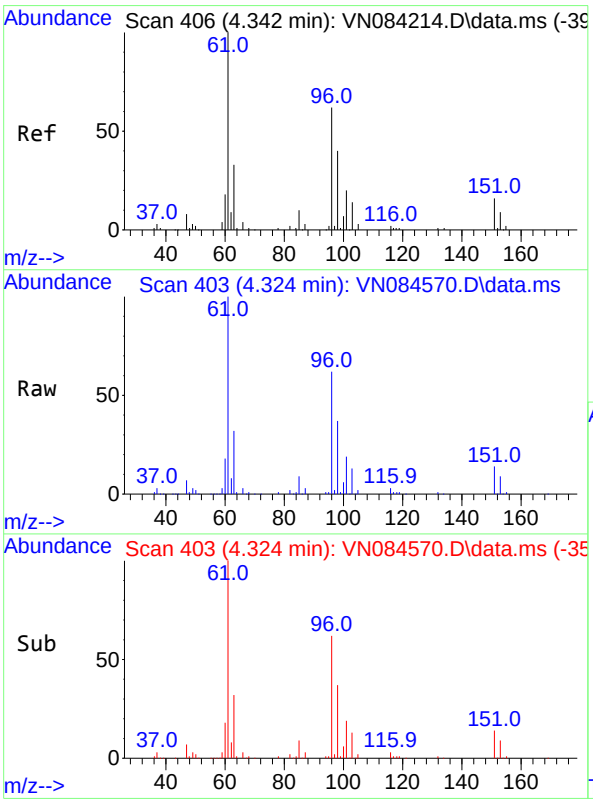
#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 153595

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

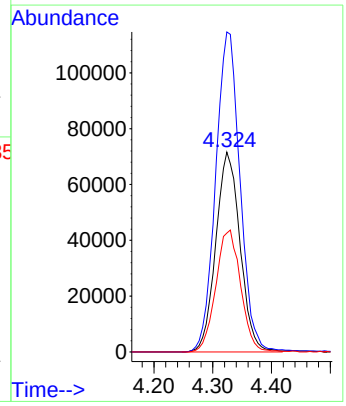


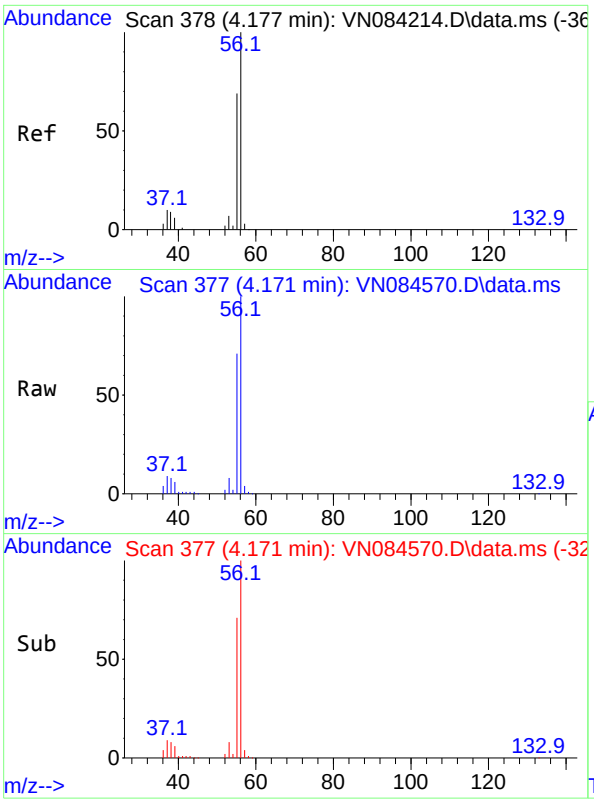


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 205332

Ion	Ratio	Lower	Upper
96	100		
61	160.1	128.6	192.8
98	59.5	51.7	77.5



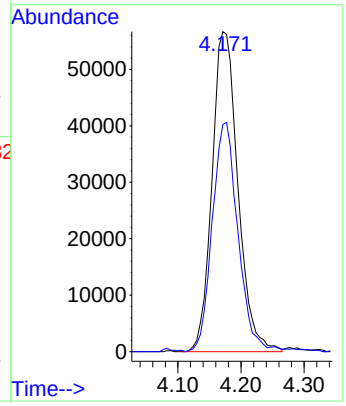


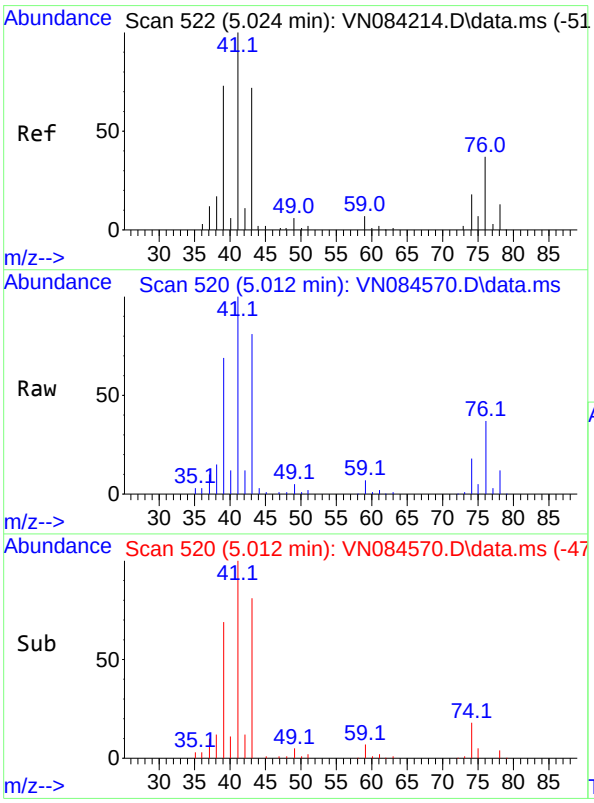
#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 161607

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

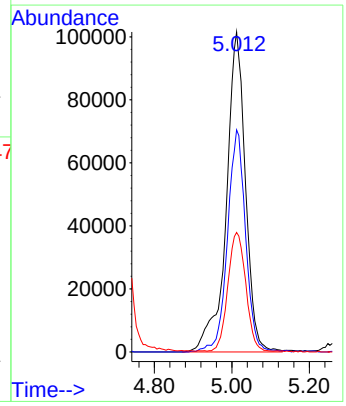


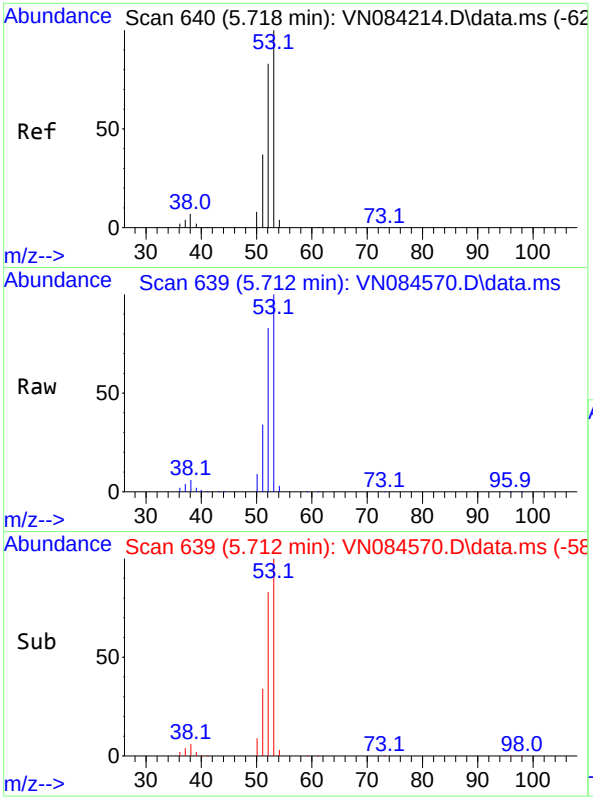


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 350014

Ion	Ratio	Lower	Upper
41	100		
39	65.5	59.0	88.6
76	34.6	29.8	44.6



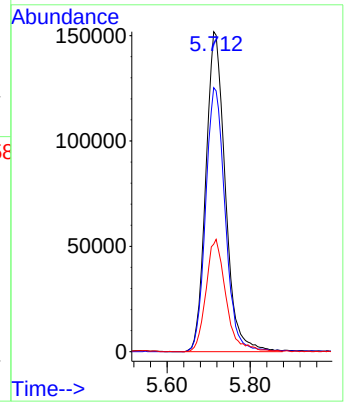


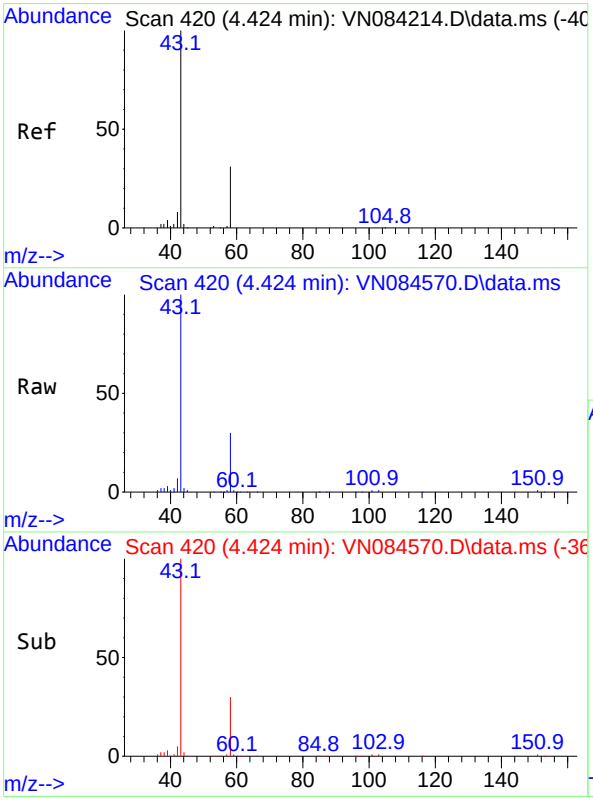
#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 494070

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.2	28.8	43.2

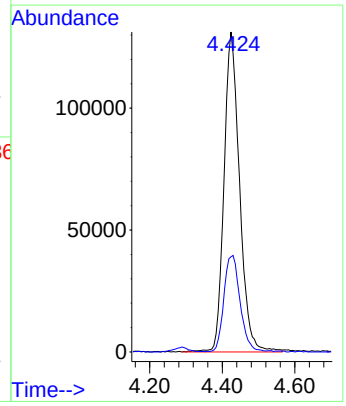


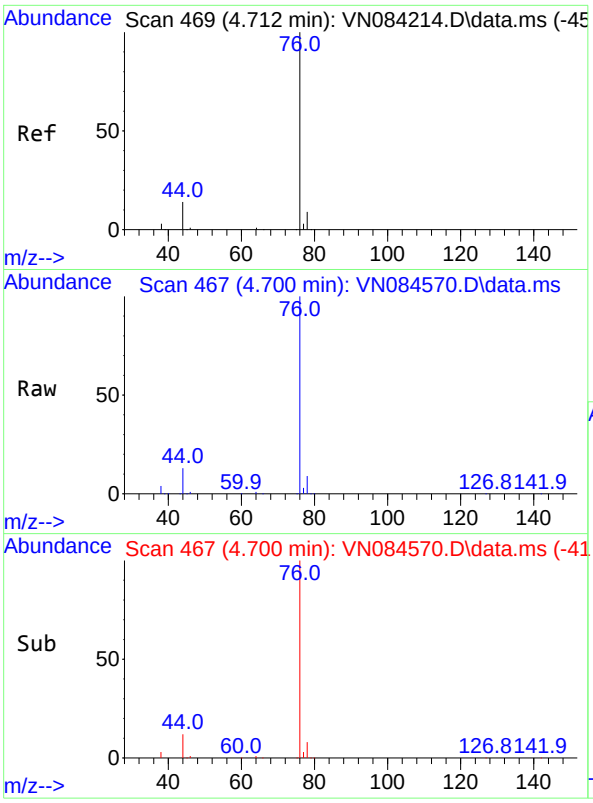


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



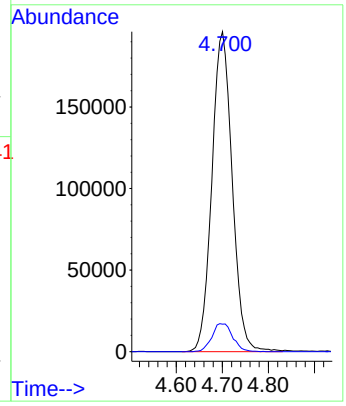


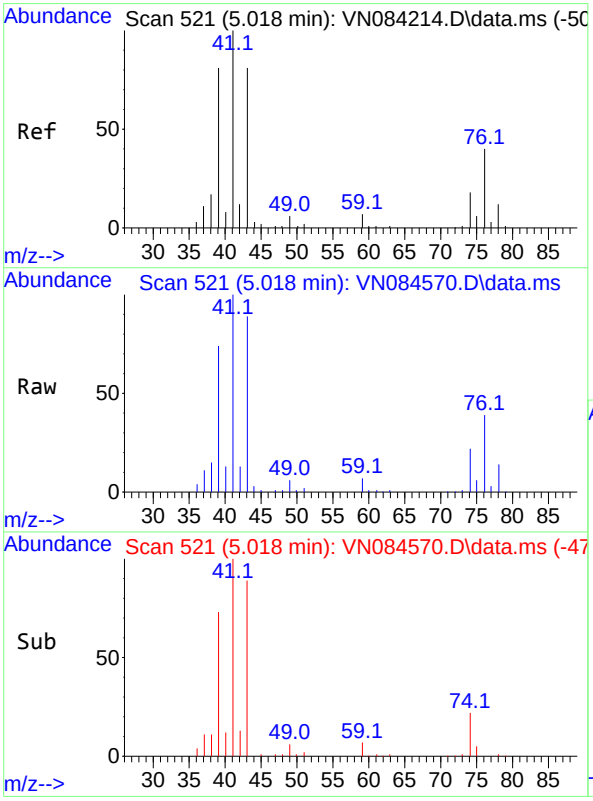
#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 601202

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

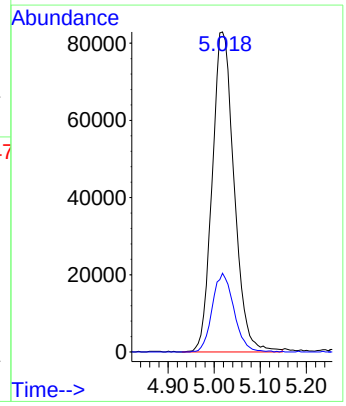


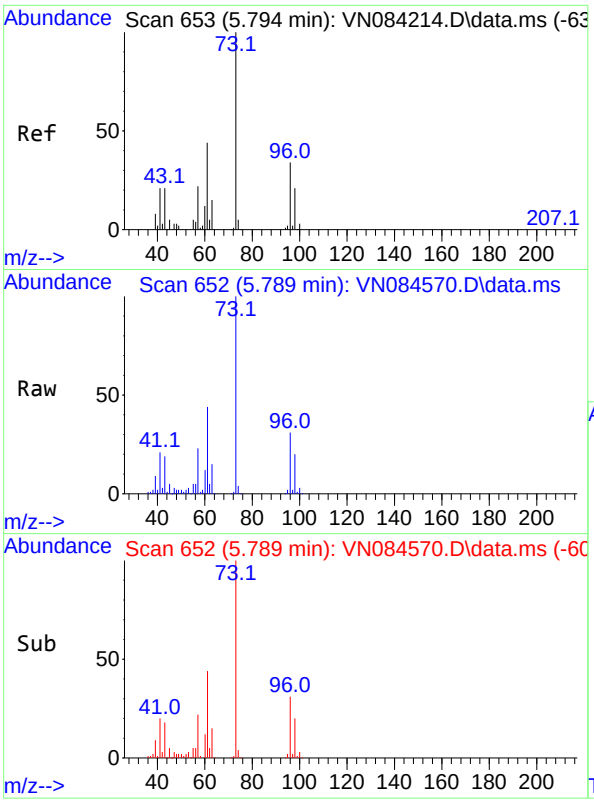


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



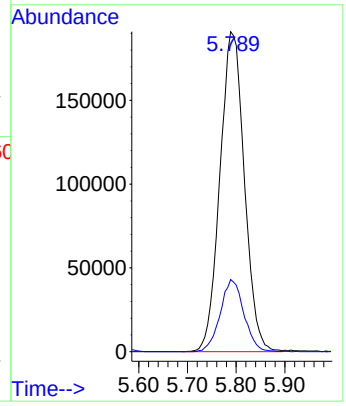


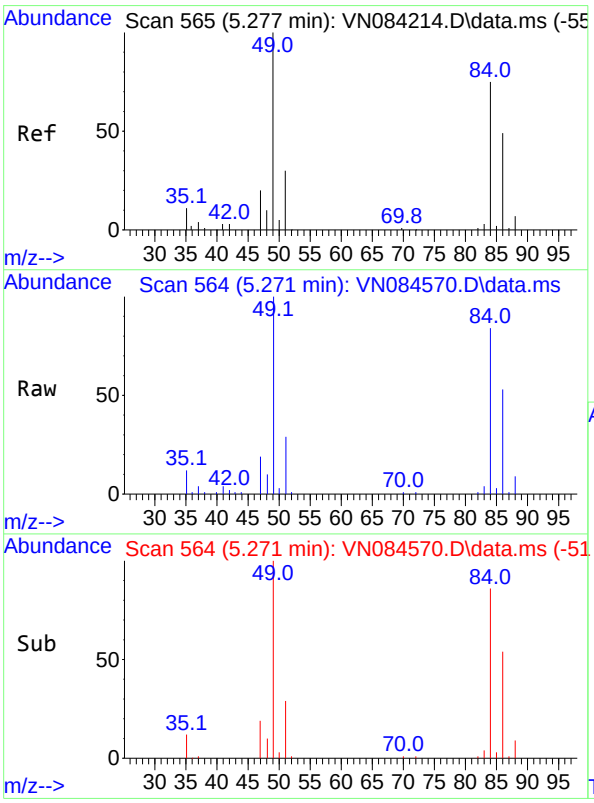
#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 664800

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

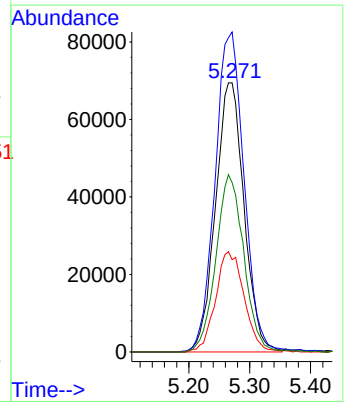


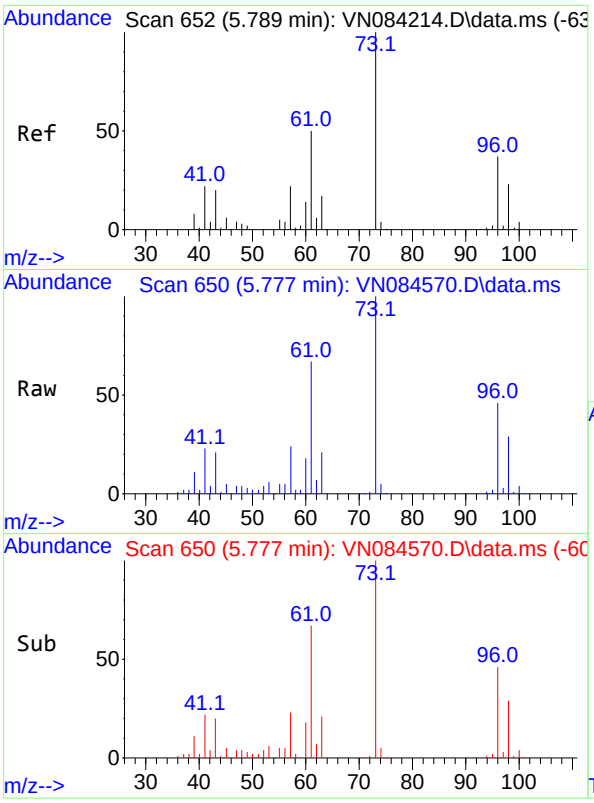


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 84 Resp: 226231

Ion	Ratio	Lower	Upper
84	100		
49	118.6	107.2	160.8
51	34.3	31.8	47.8
86	62.9	52.9	79.3



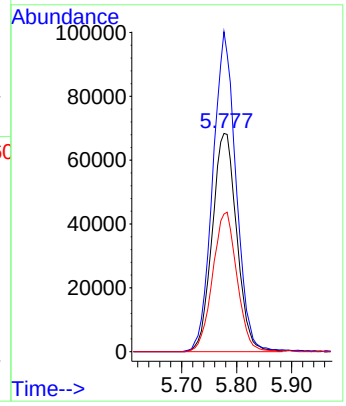


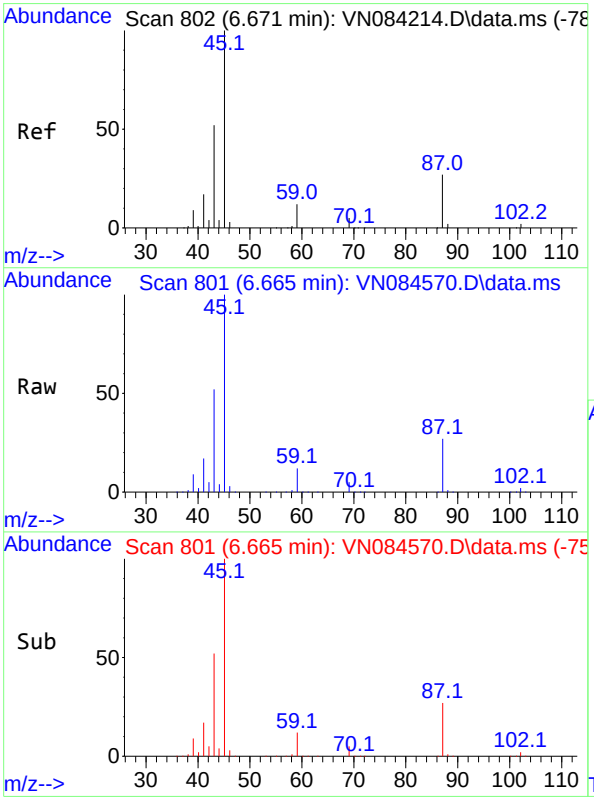
#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 211649

Ion	Ratio	Lower	Upper
96	100		
61	146.6	108.4	162.6
98	63.0	49.8	74.8

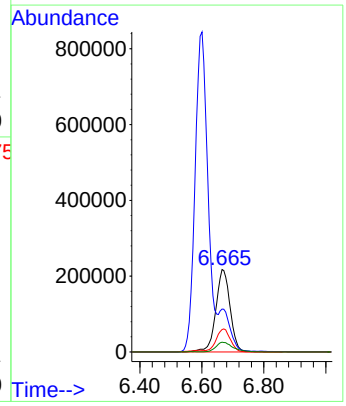


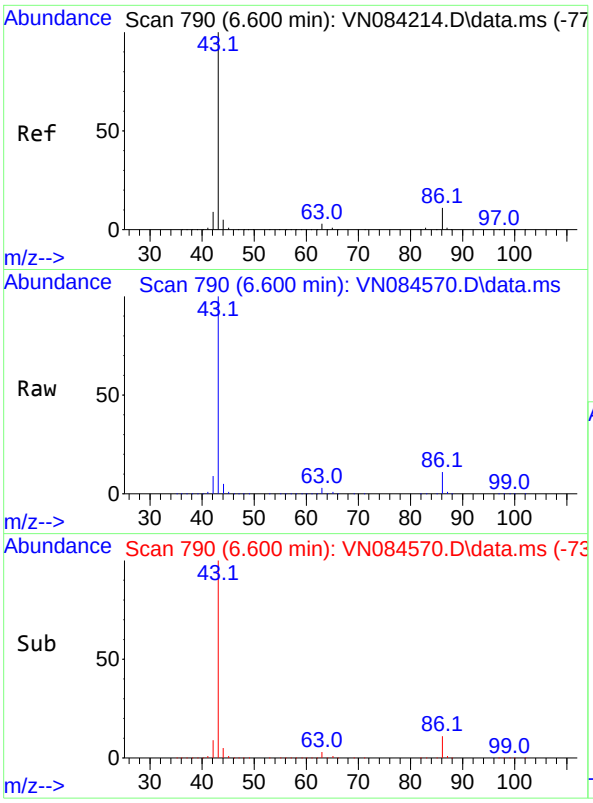


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 45 Resp: 696527

Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.3	63.5
87	27.1	21.8	32.6
59	11.8	9.6	14.4



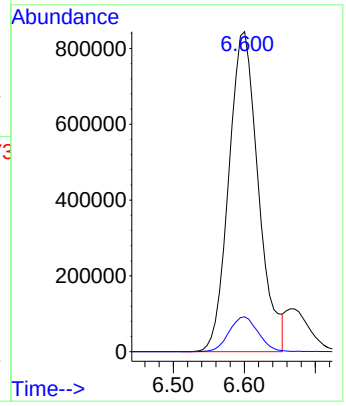


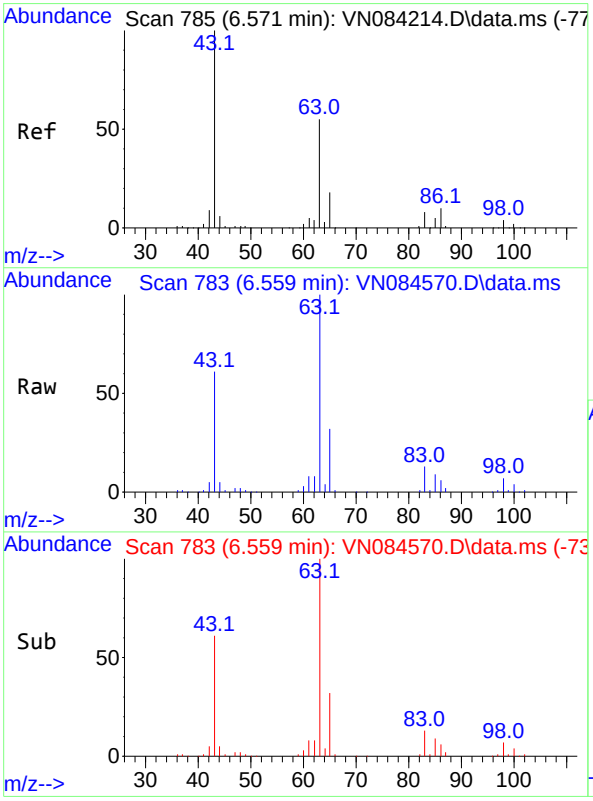
#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2441301

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

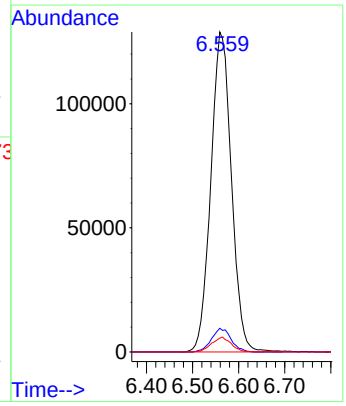


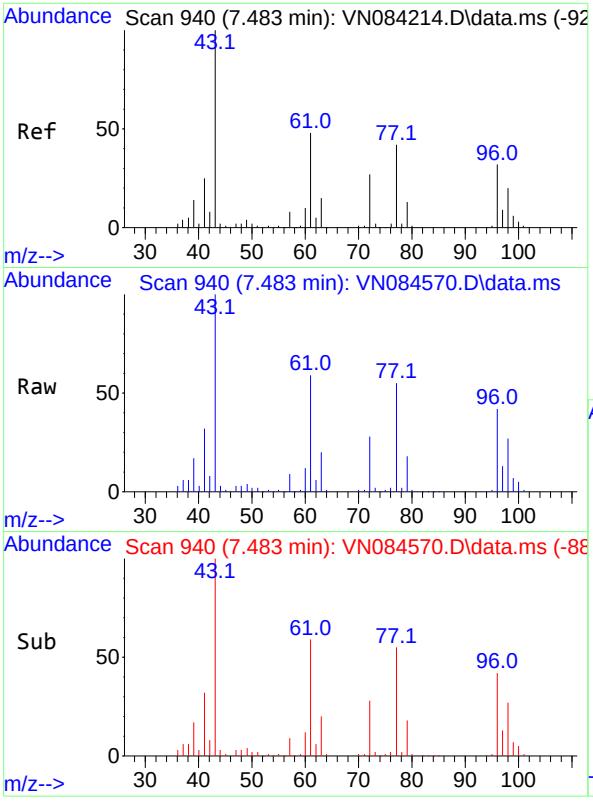


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 399999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.2
100	4.4	2.0	5.8



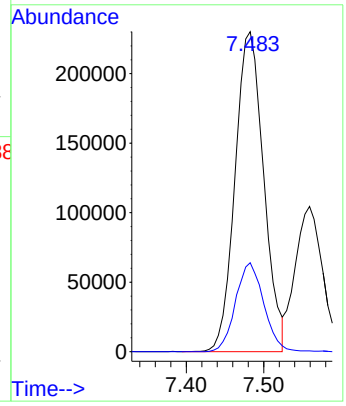


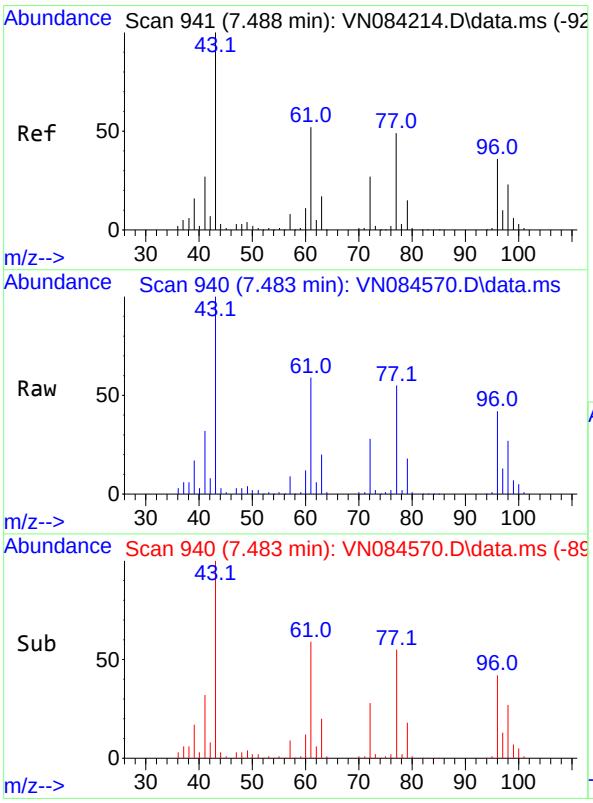
#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 591863

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2

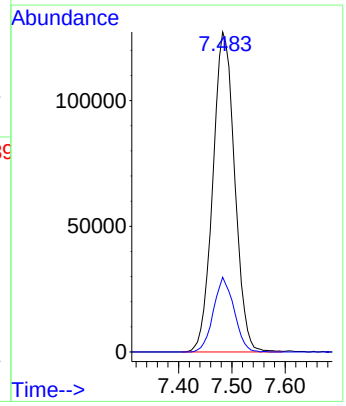


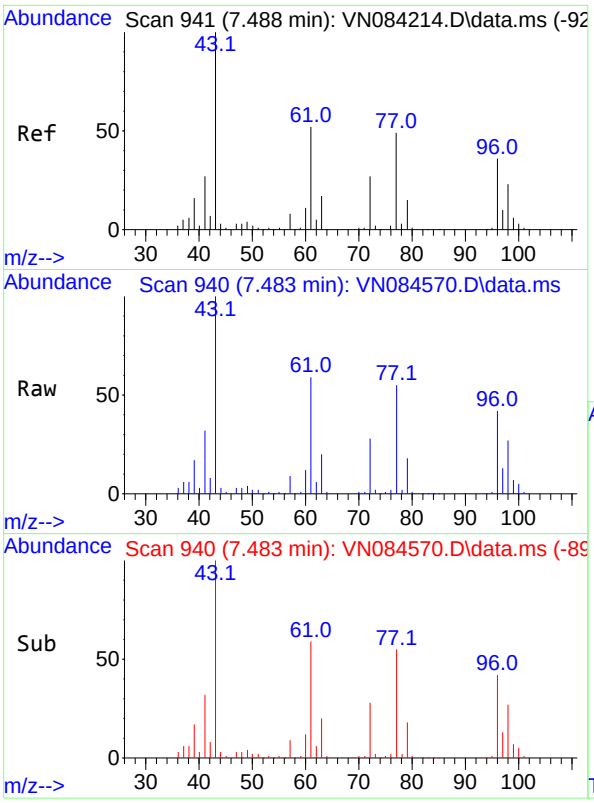


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



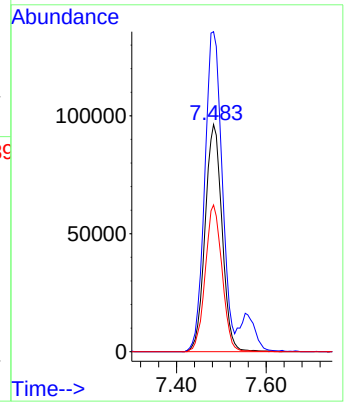


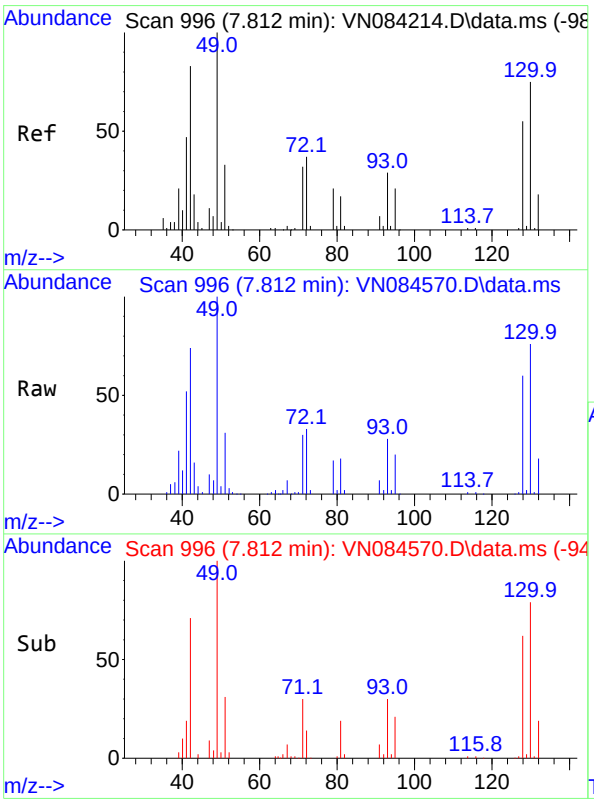
#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 252932

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	301.8
98	63.9	0.0	128.2

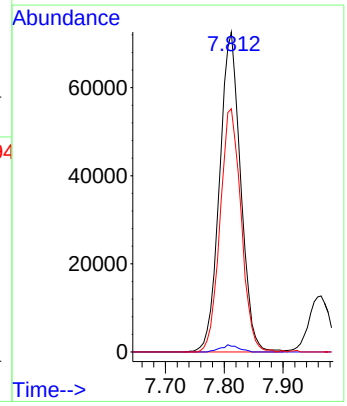


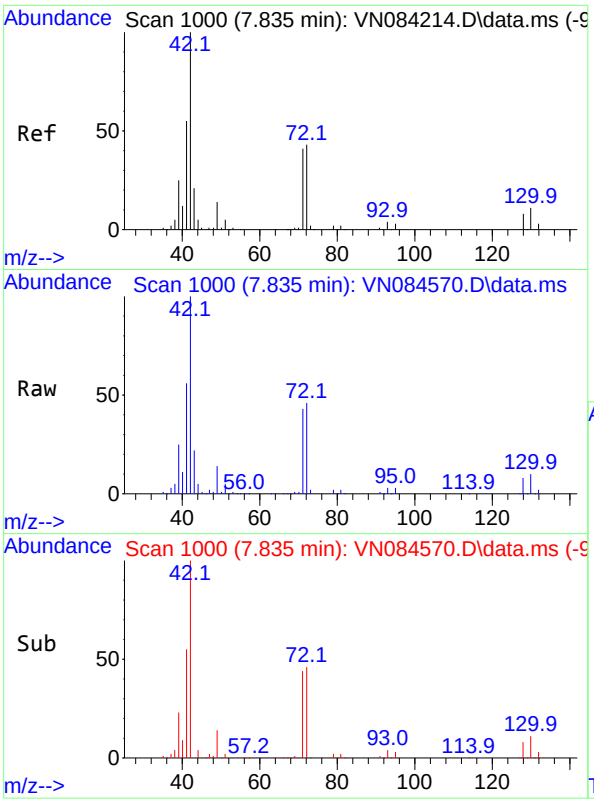


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 49 Resp: 180881

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.7	58.0	87.0



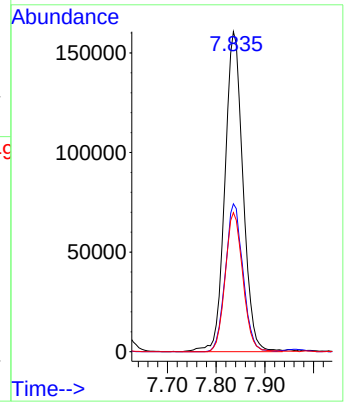


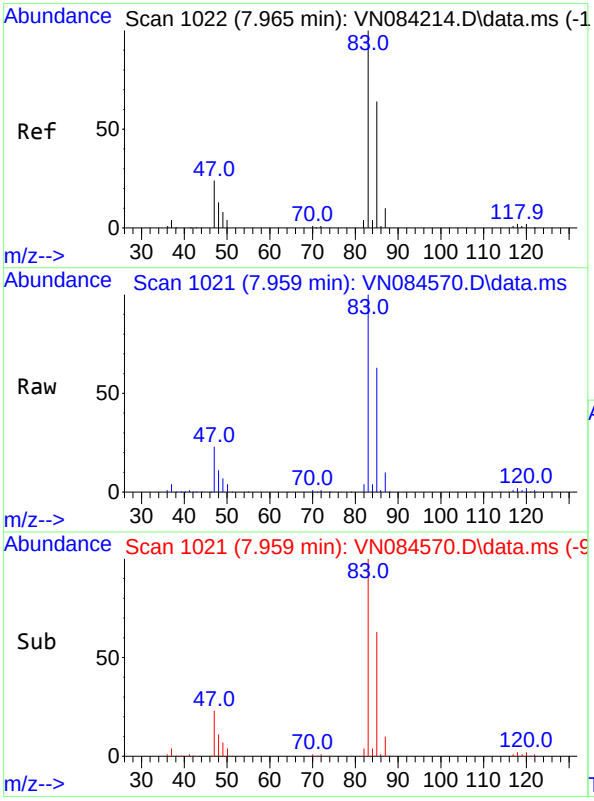
#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 415033

Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.6	51.8
71	42.4	32.2	48.4

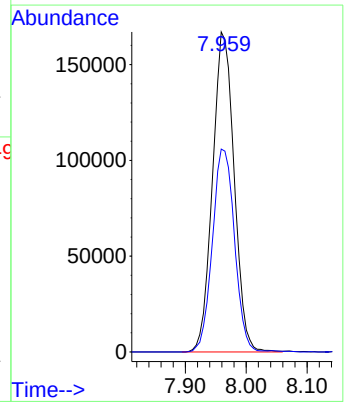


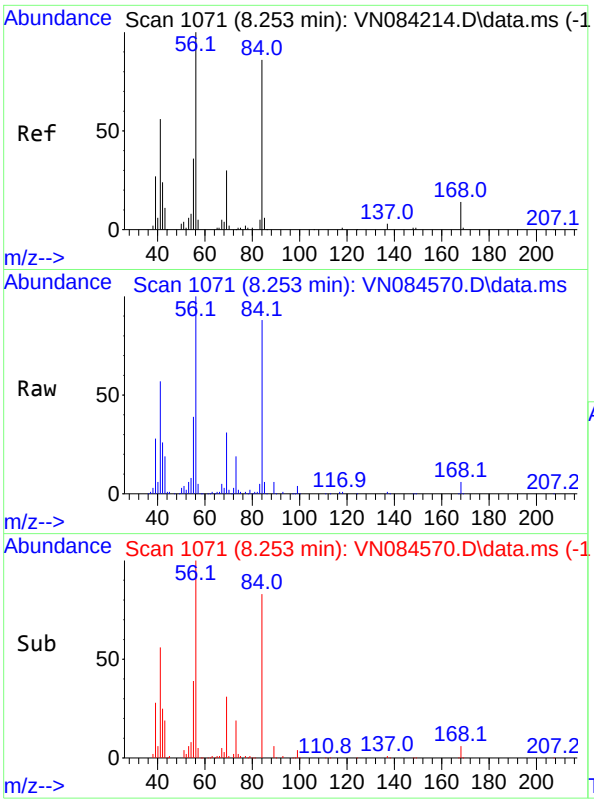


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



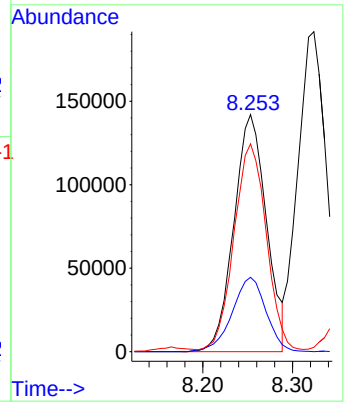


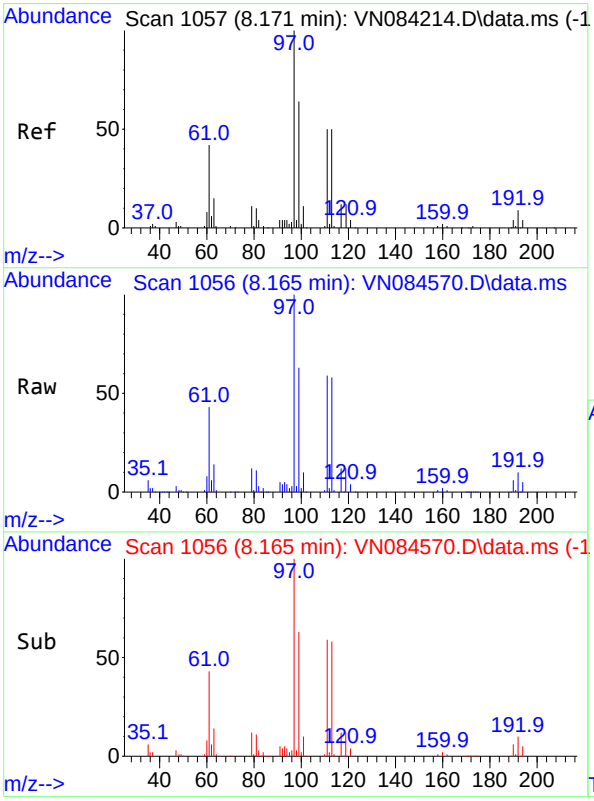
#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 358350

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.8	35.6
84	86.3	68.8	103.2

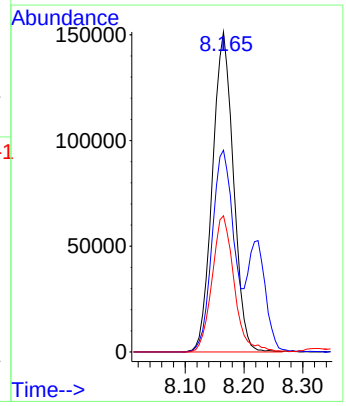


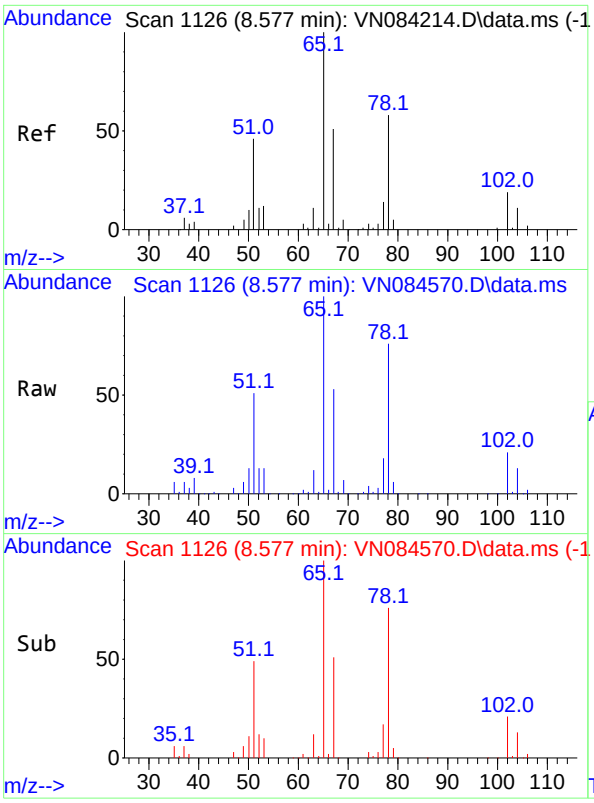


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 374940

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	44.8	37.5	56.3



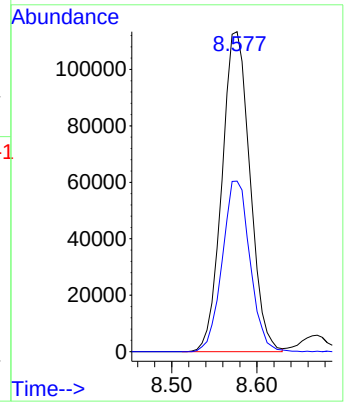


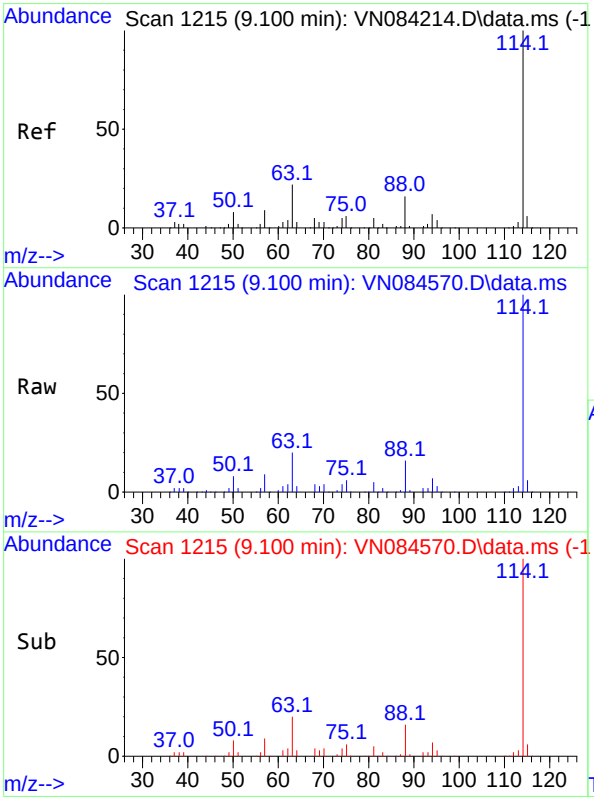
#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 258269

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0

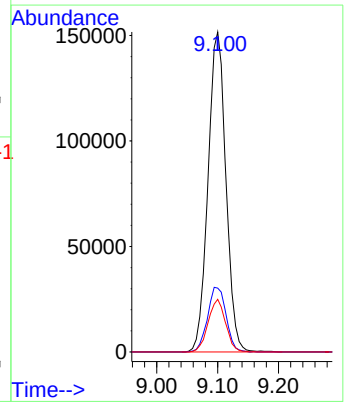


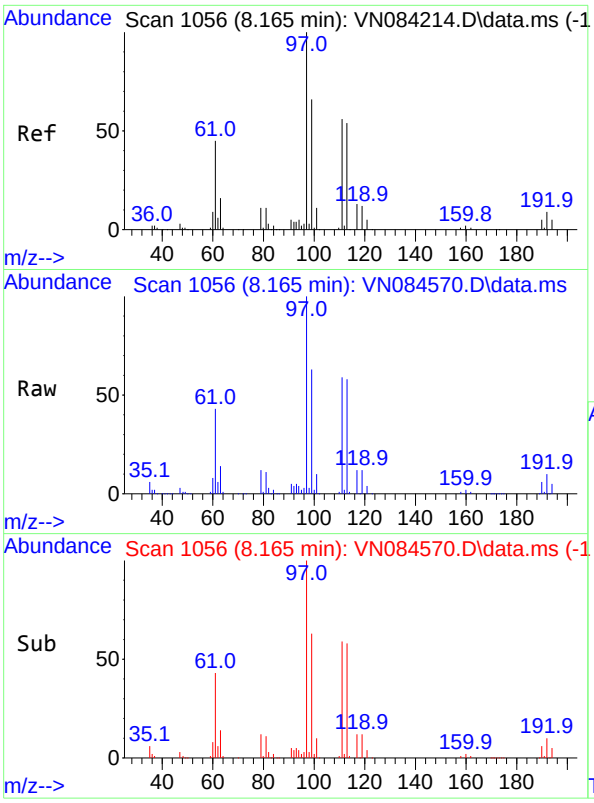


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:114 Resp: 309230

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.8
88	16.5	0.0	31.6



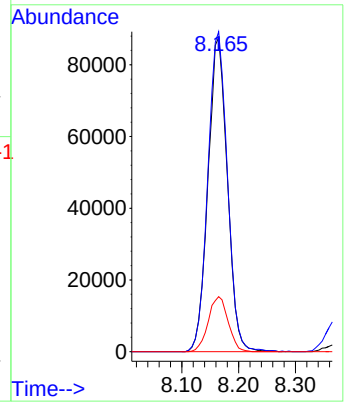


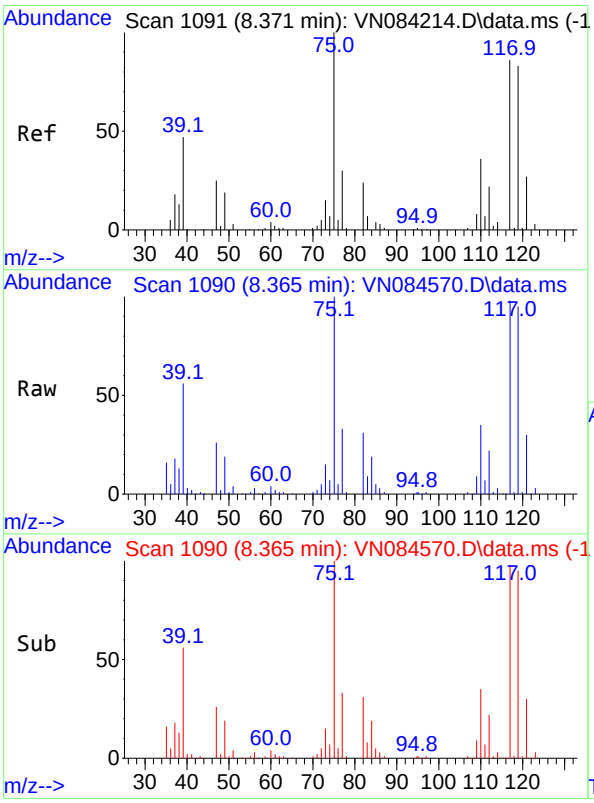
#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 206417

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.0	13.5	20.3

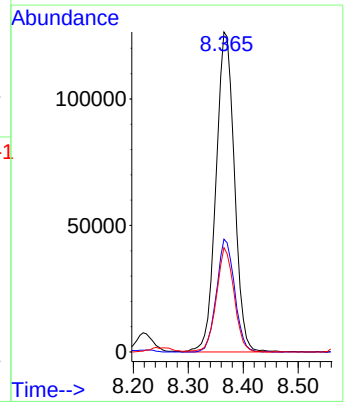


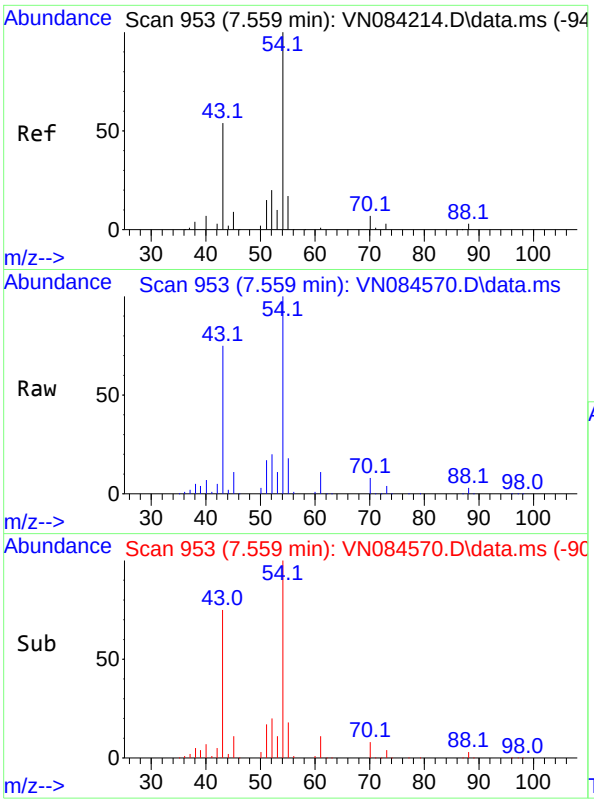


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 294131

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	31.5	24.7	37.1



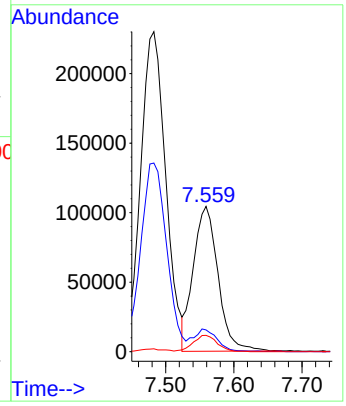


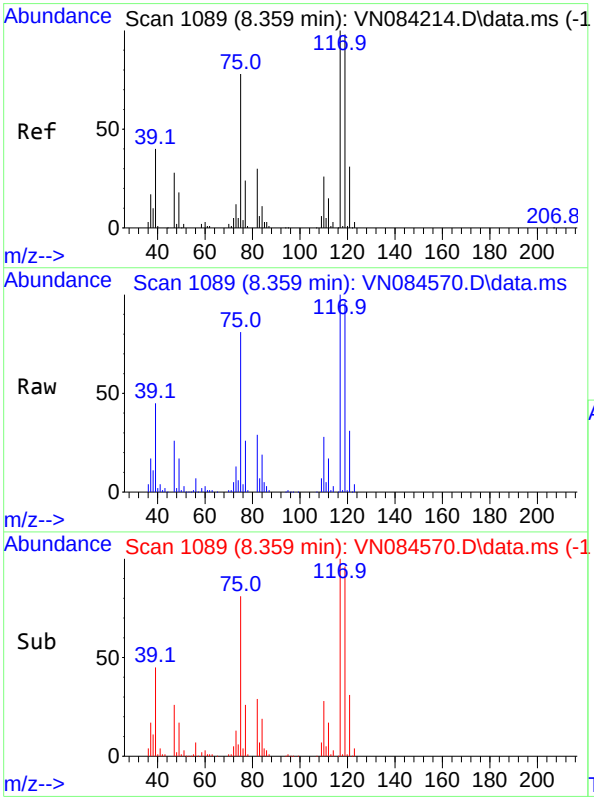
#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 262200

Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	11.0	8.8	13.2

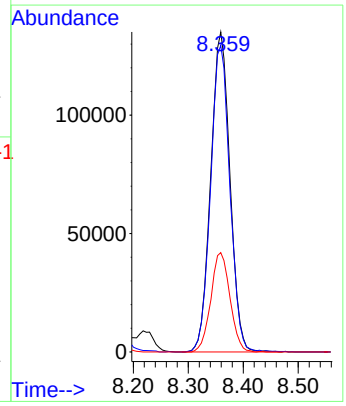


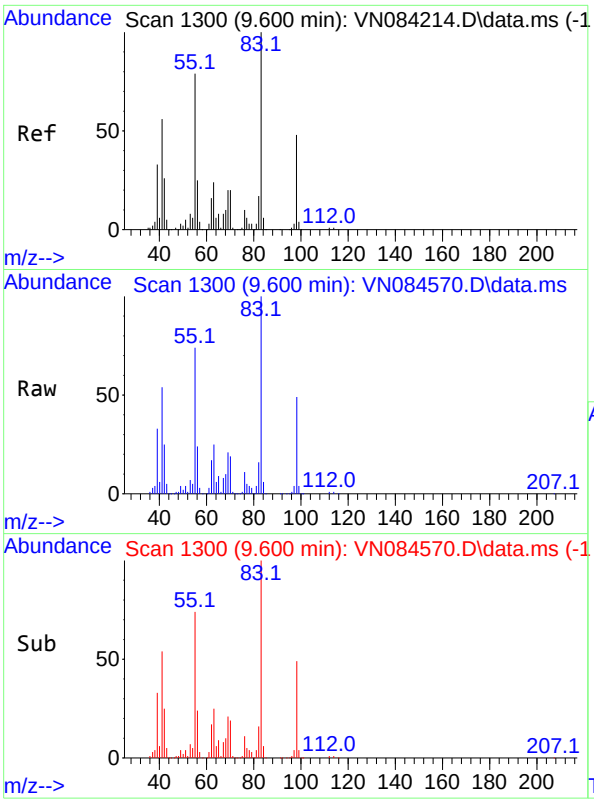


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 327651

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.7	118.1
121	31.1	24.4	36.6



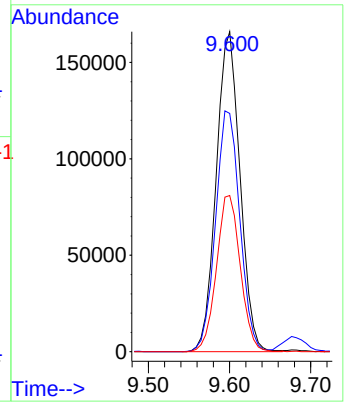


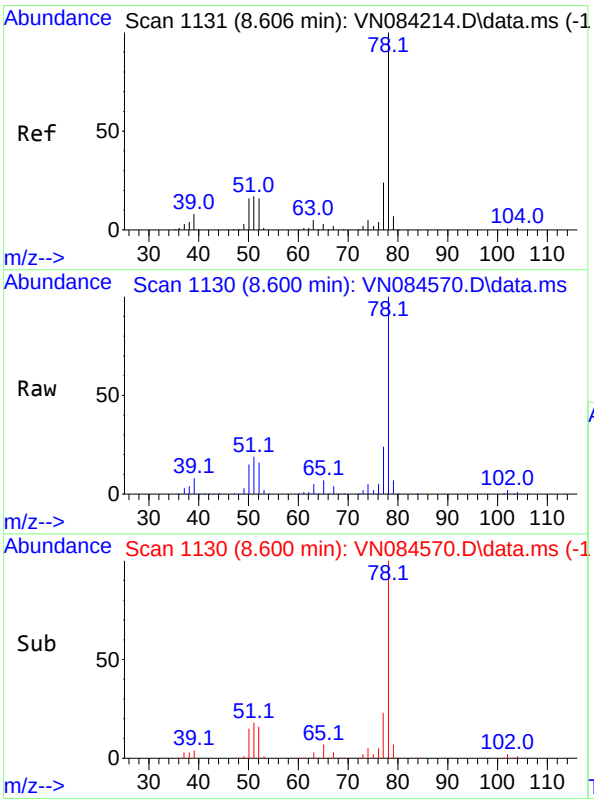
#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 337677

Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.8	94.2
98	48.8	38.8	58.2

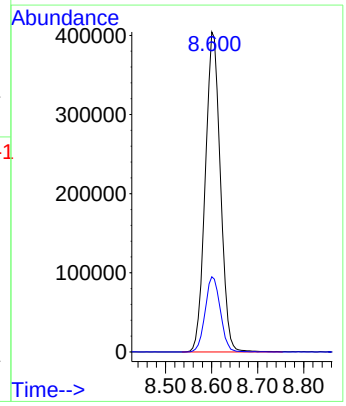


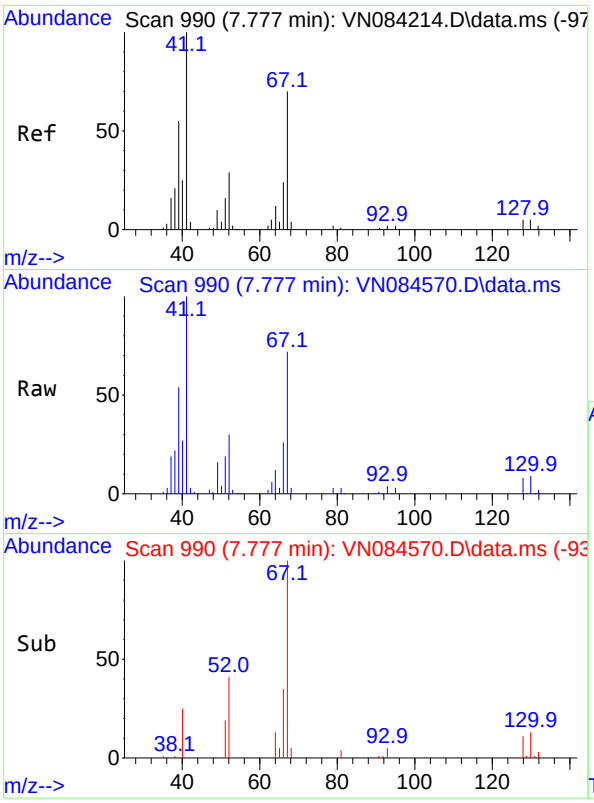


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



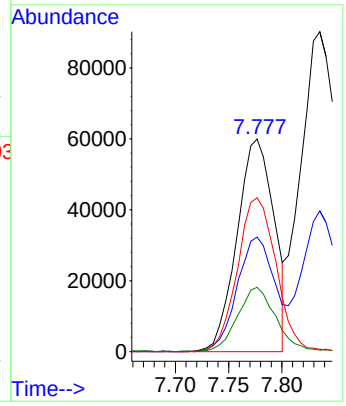


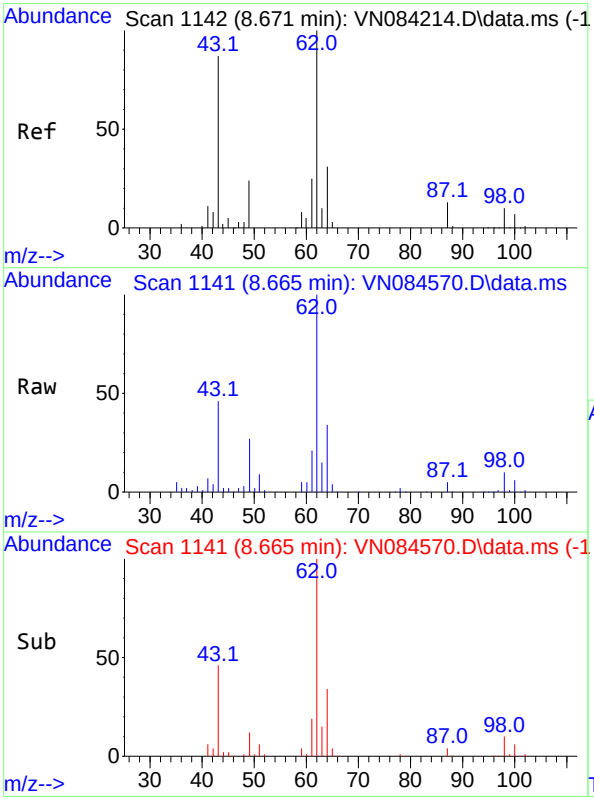
#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 145041

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	76.0	56.1	84.1
52	31.7	24.5	36.7

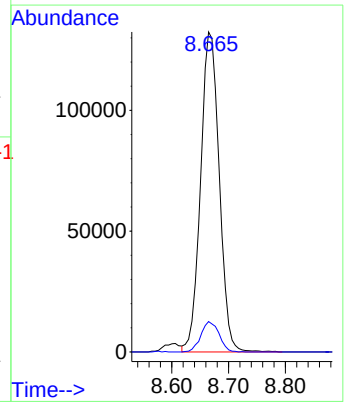


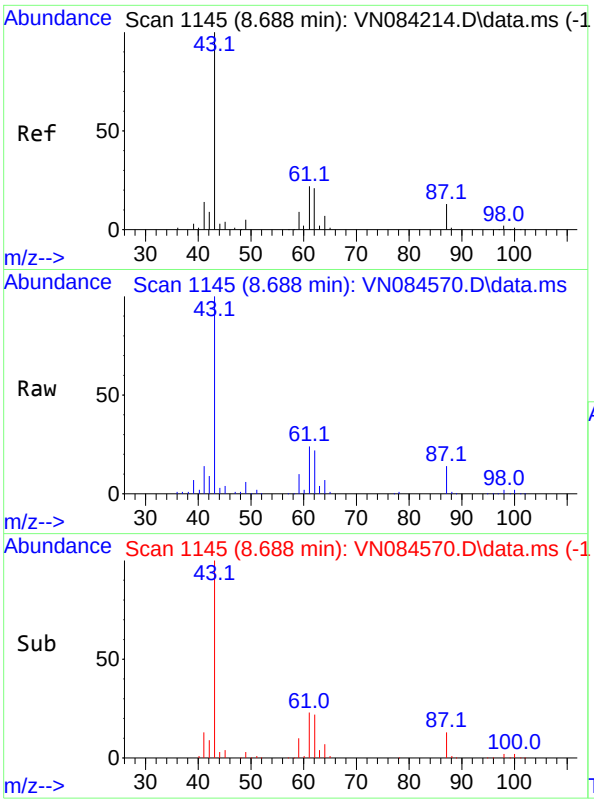


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



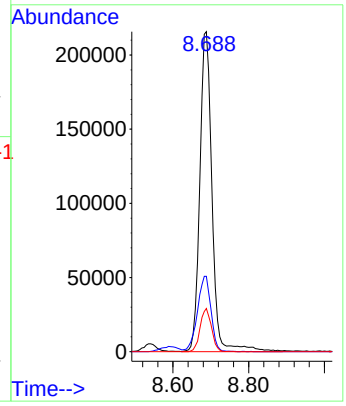


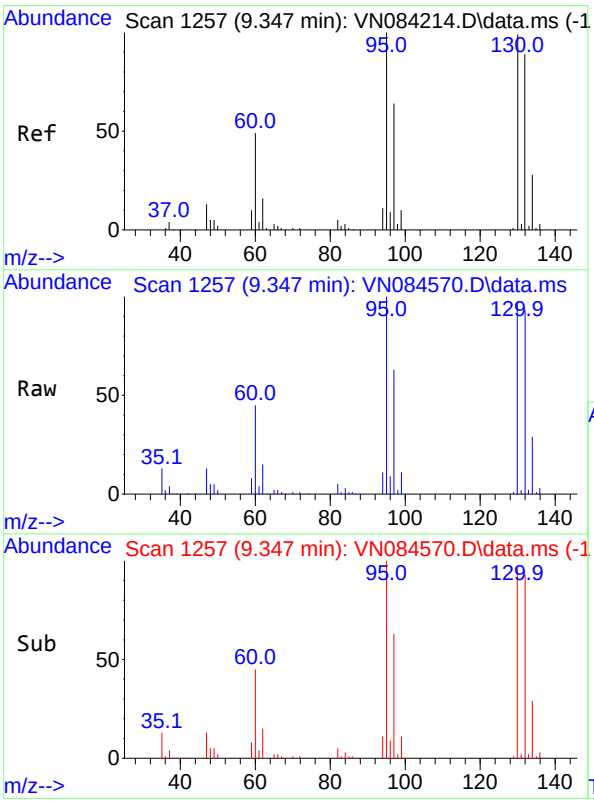
#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485962

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	12.5	10.3	15.5

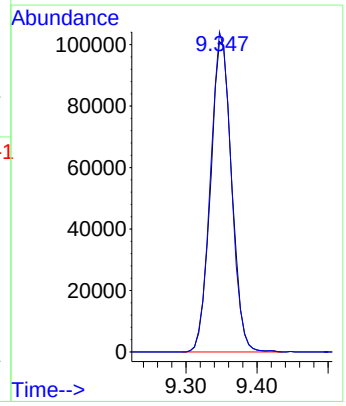


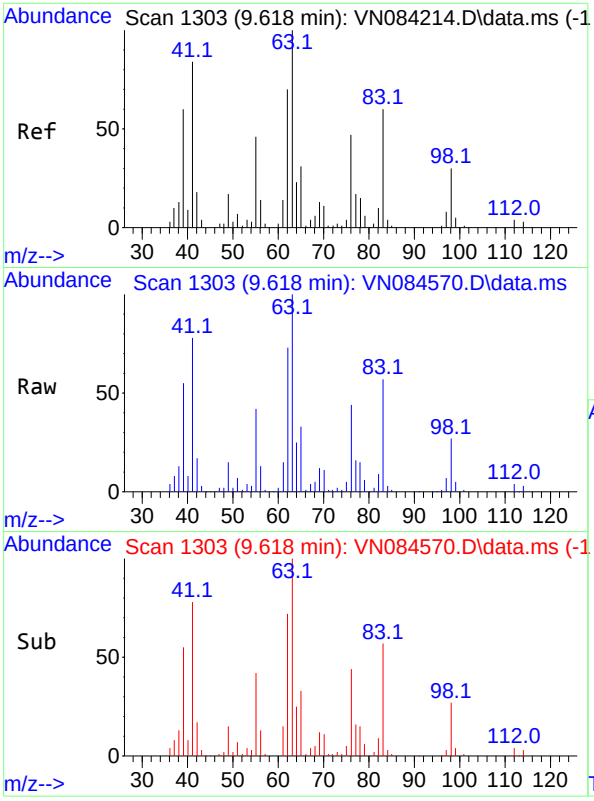


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0



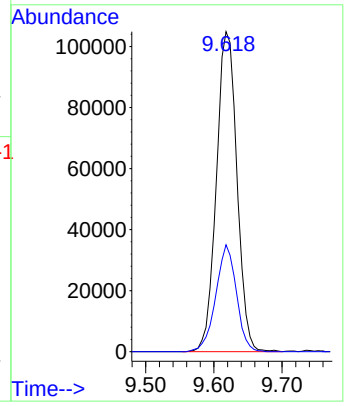


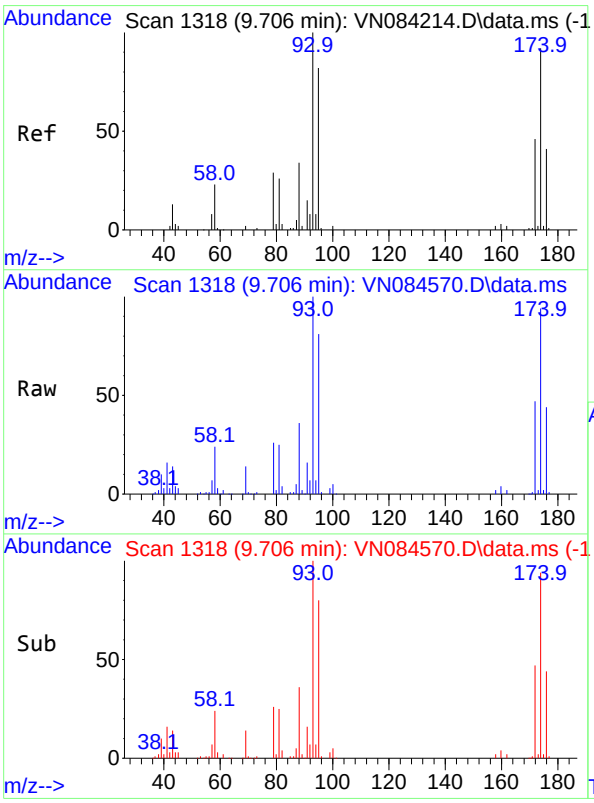
#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 220258

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0

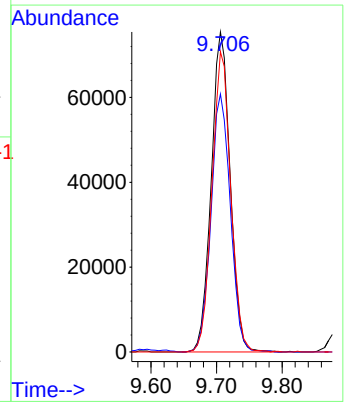


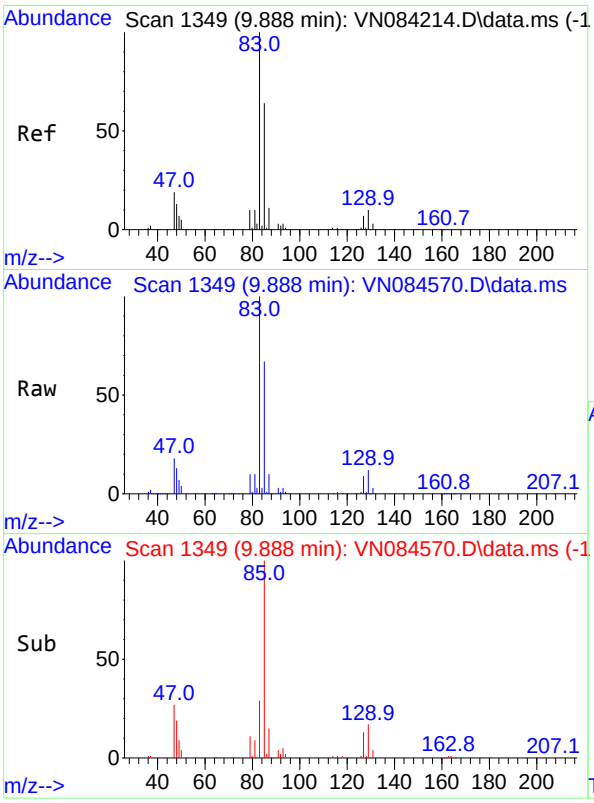


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 93 Resp: 151661

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.4
174	92.7	71.8	107.8



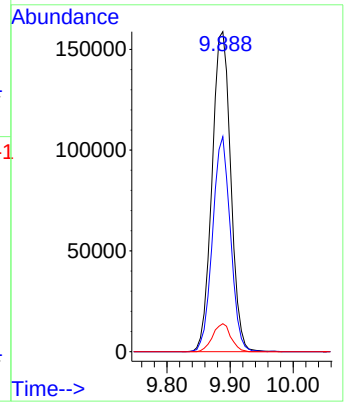


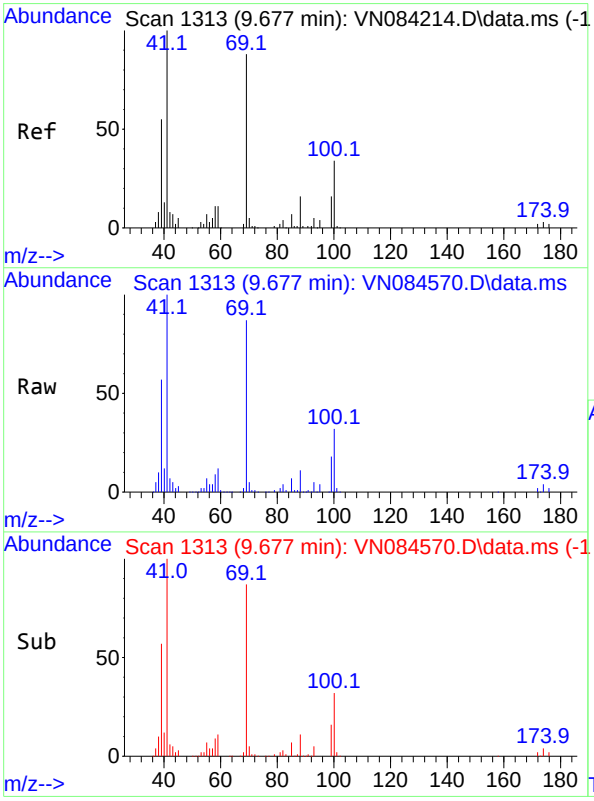
#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 326466

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	8.8	5.7	8.5#

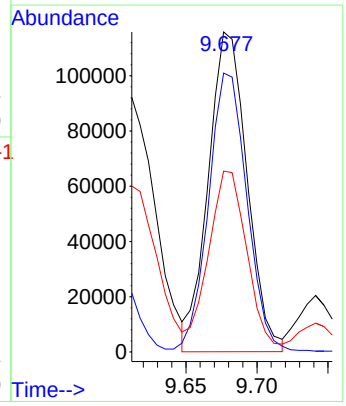


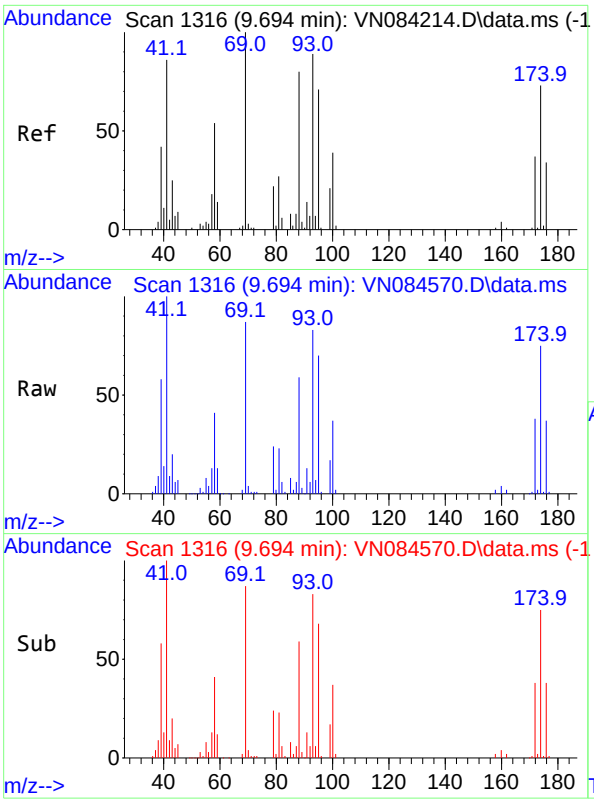


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 219838

Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.1	100.7
39	56.6	45.8	68.6



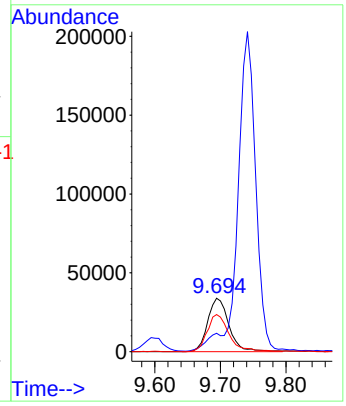


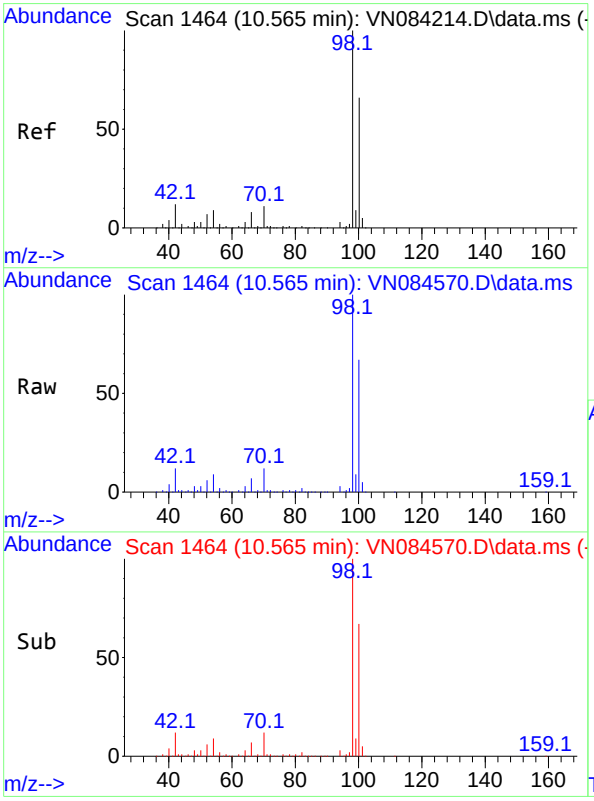
#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 76189

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6

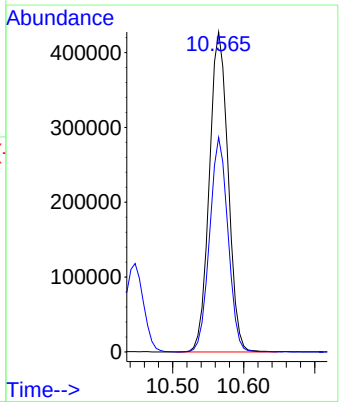


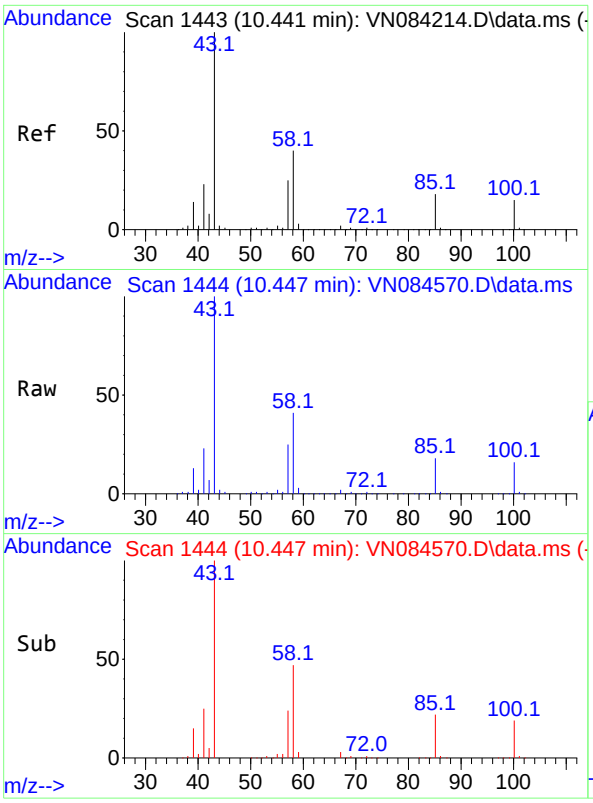


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



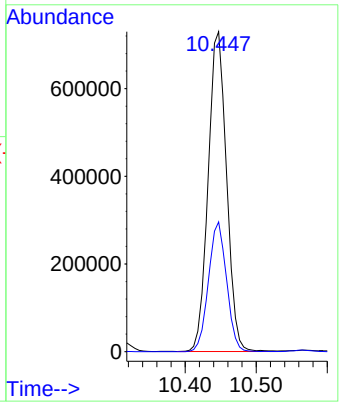


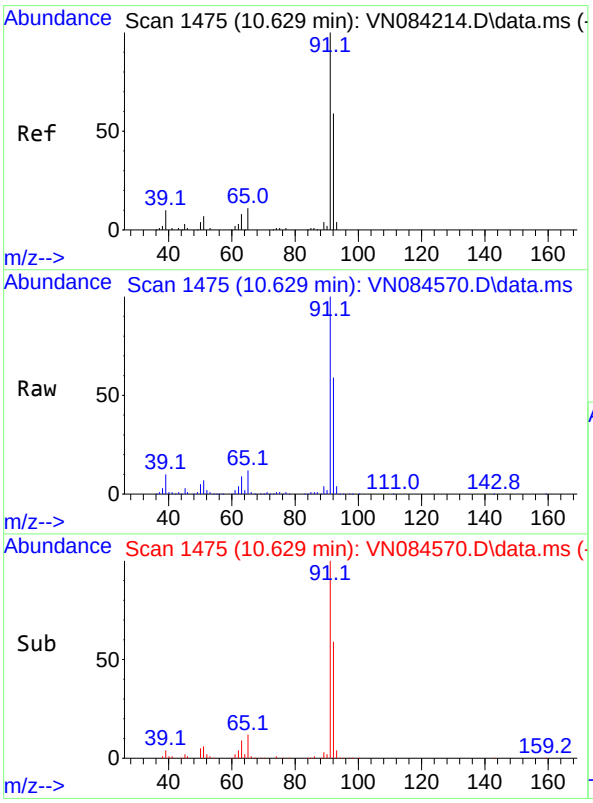
#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1312148

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

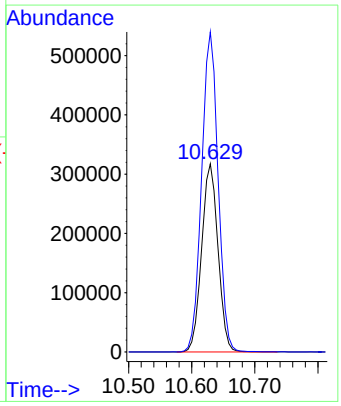


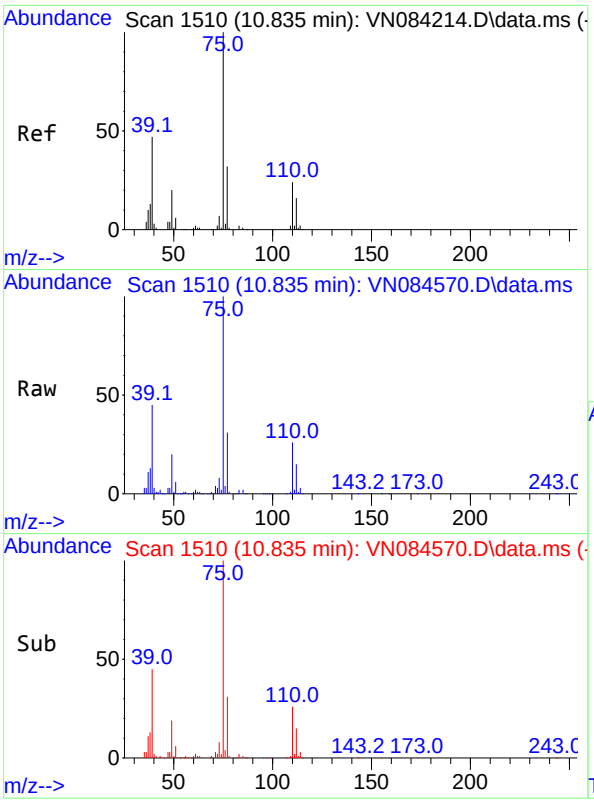


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9



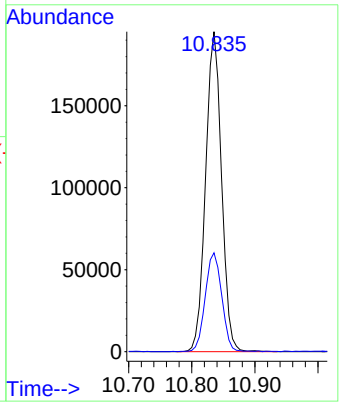


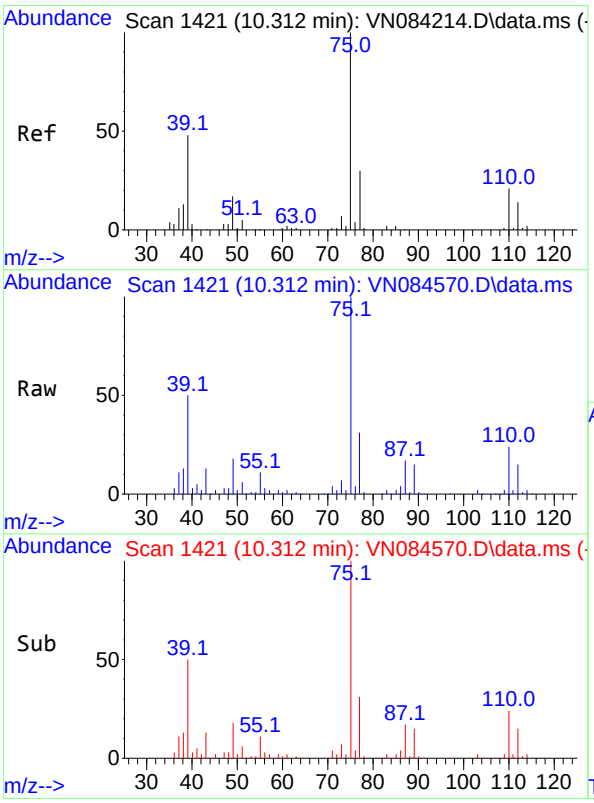
#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 341196

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

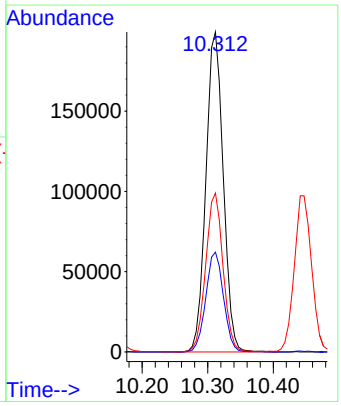


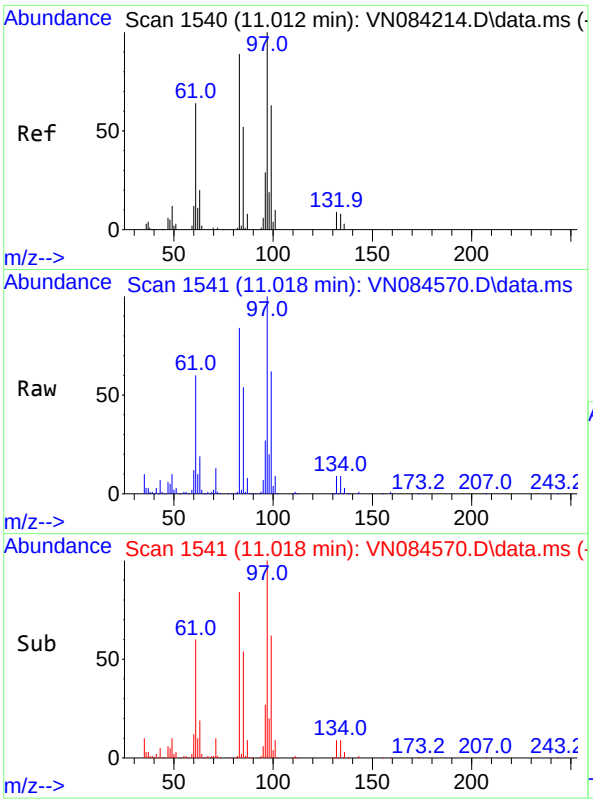


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 366358

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.2
39	49.7	38.7	58.1



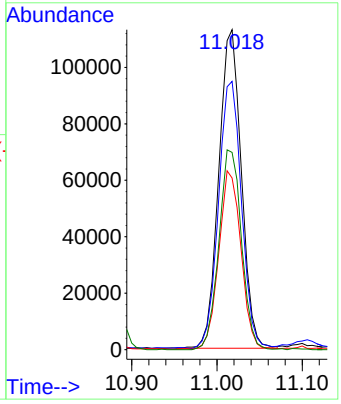


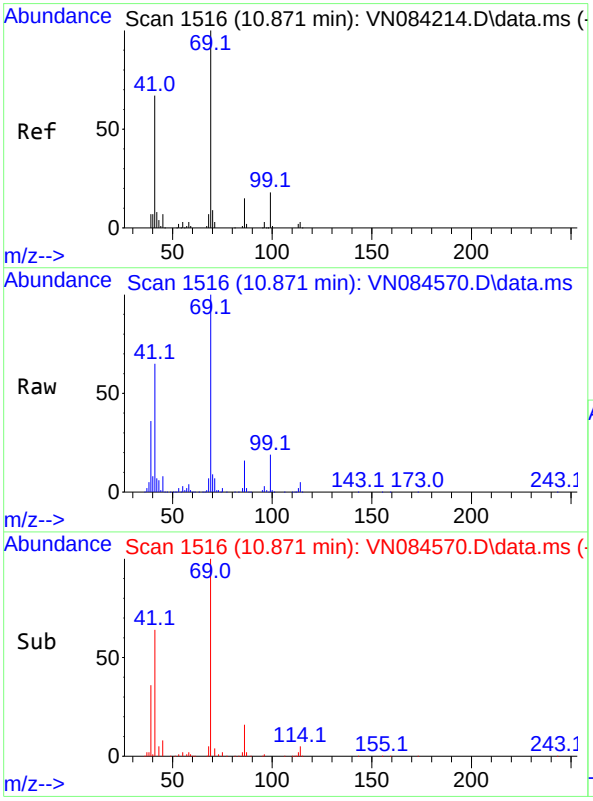
#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 207689

Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	53.7	41.7	62.5
99	61.9	50.1	75.1

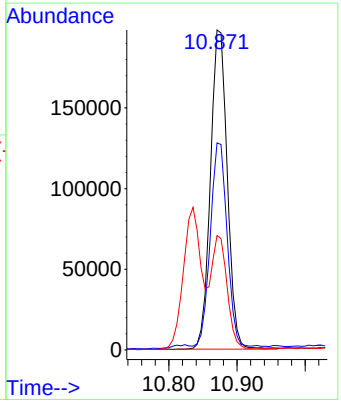


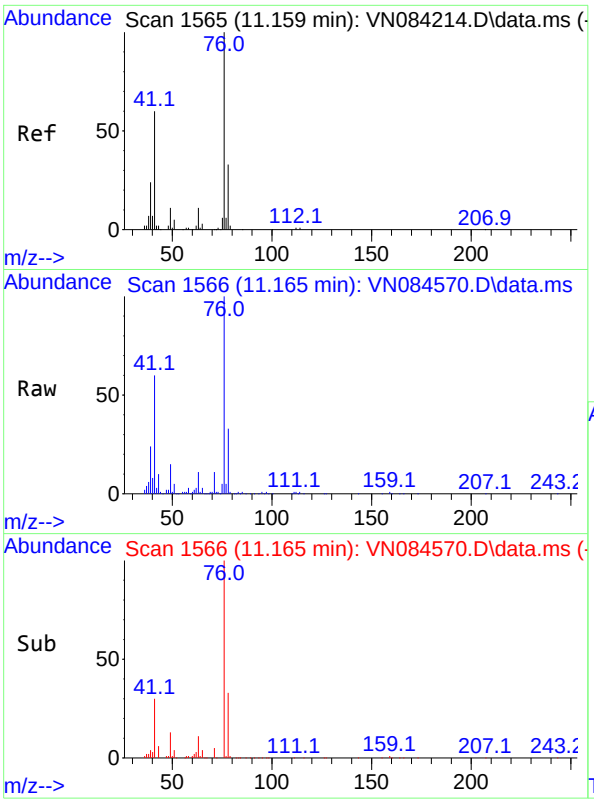


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 69 Resp: 340367

Ion	Ratio	Lower	Upper
69	100		
41	63.6	53.3	79.9
39	34.5	28.8	43.2



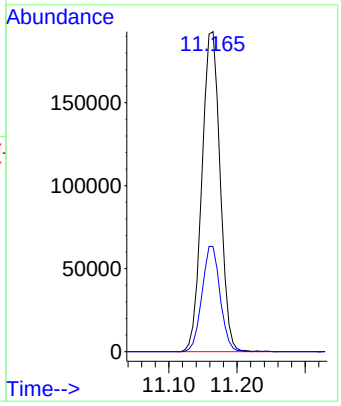


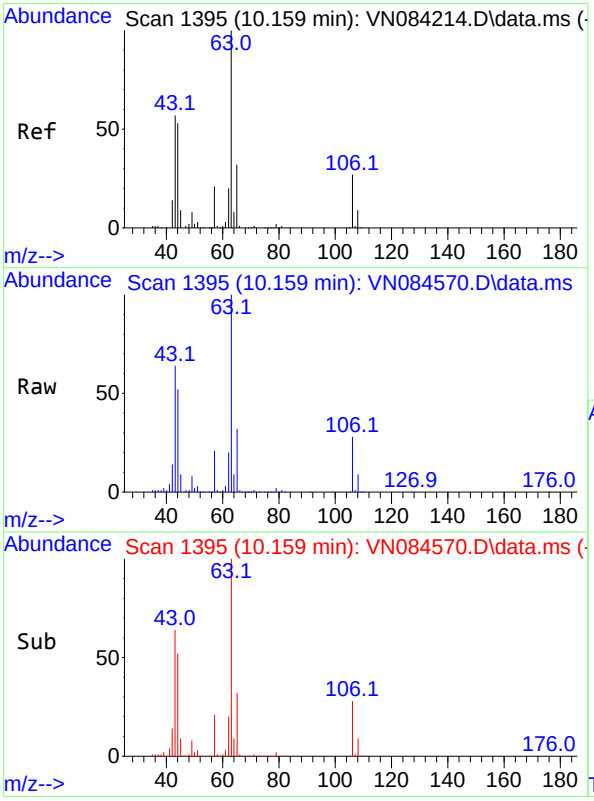
#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 357131

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

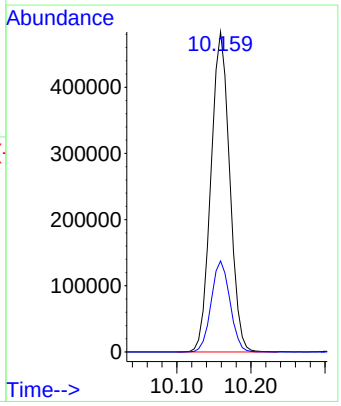


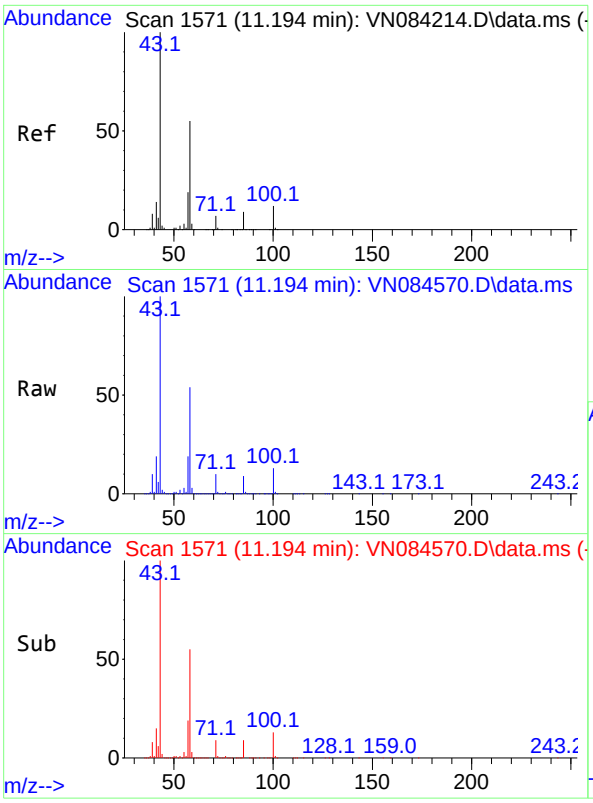


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



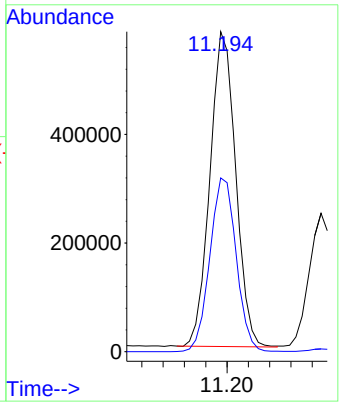


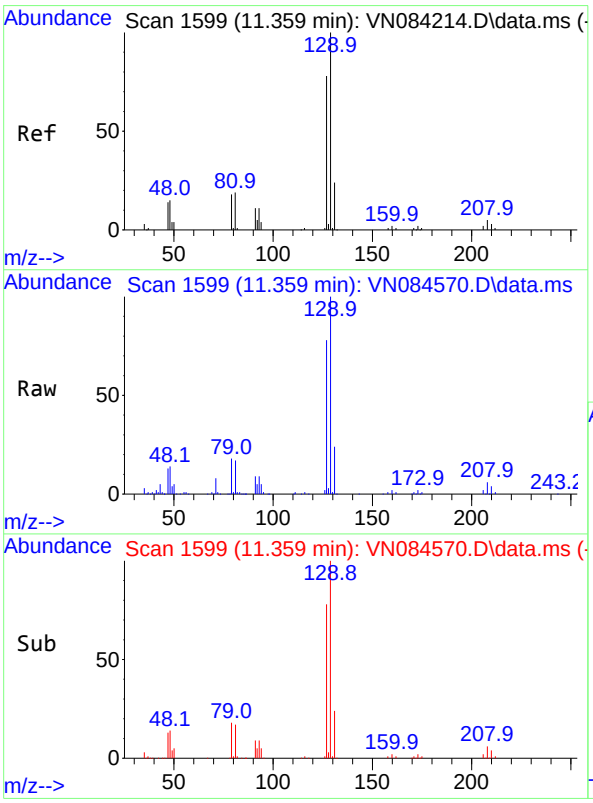
#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 971064

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8

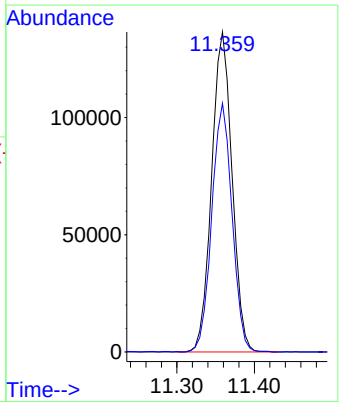


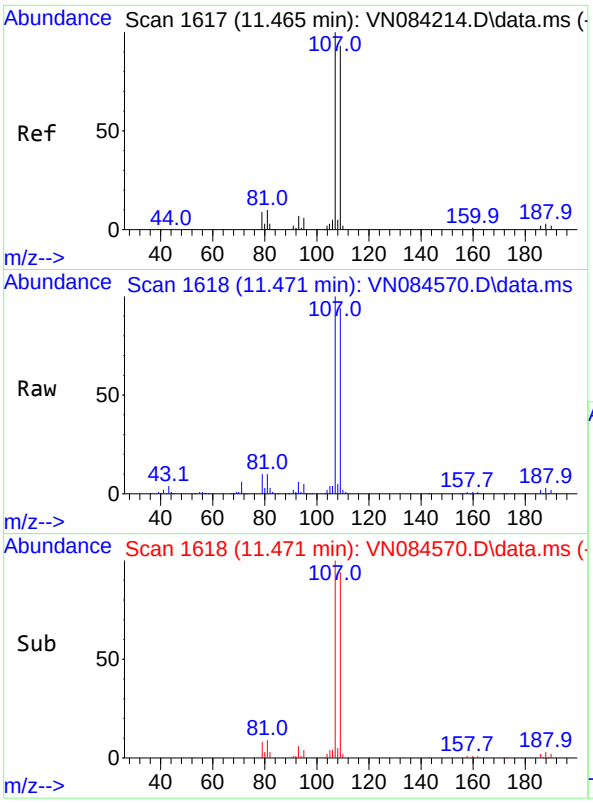


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9



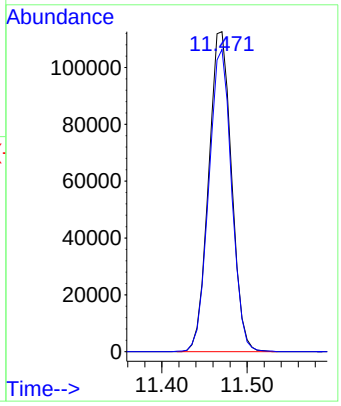


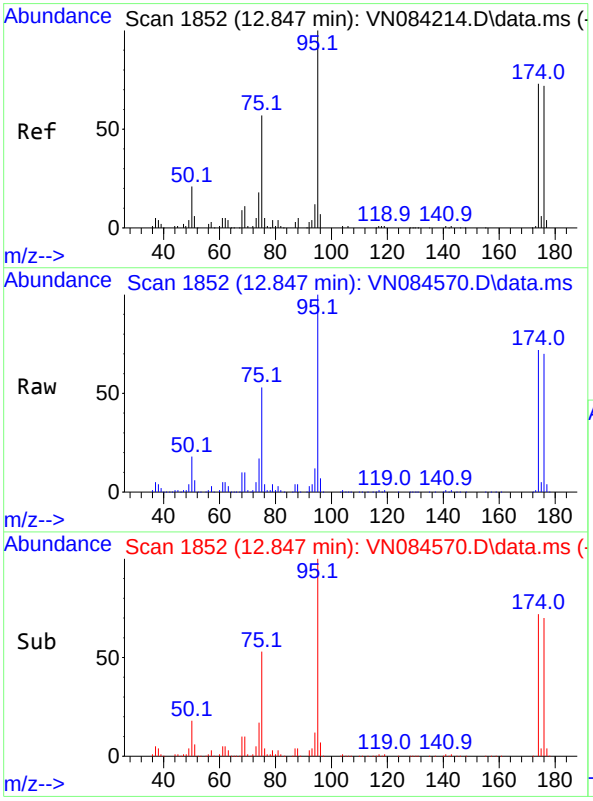
#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 210043

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

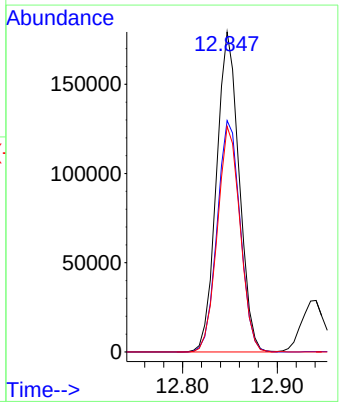


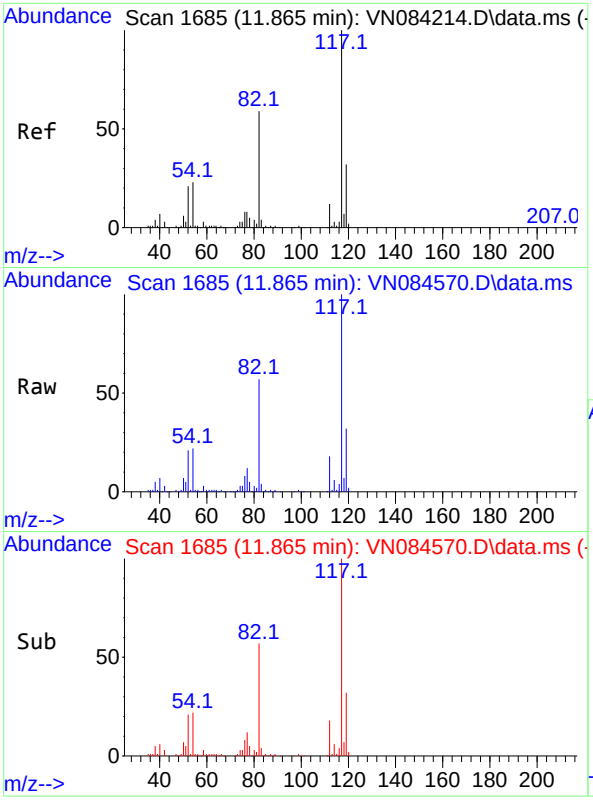


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 95 Resp: 297647

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	70.7	0.0	140.0



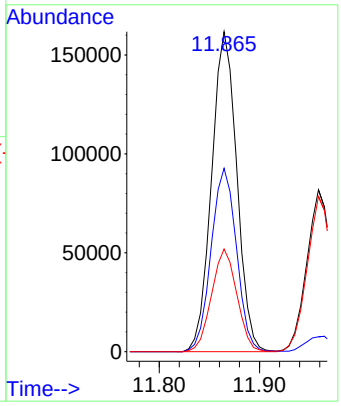


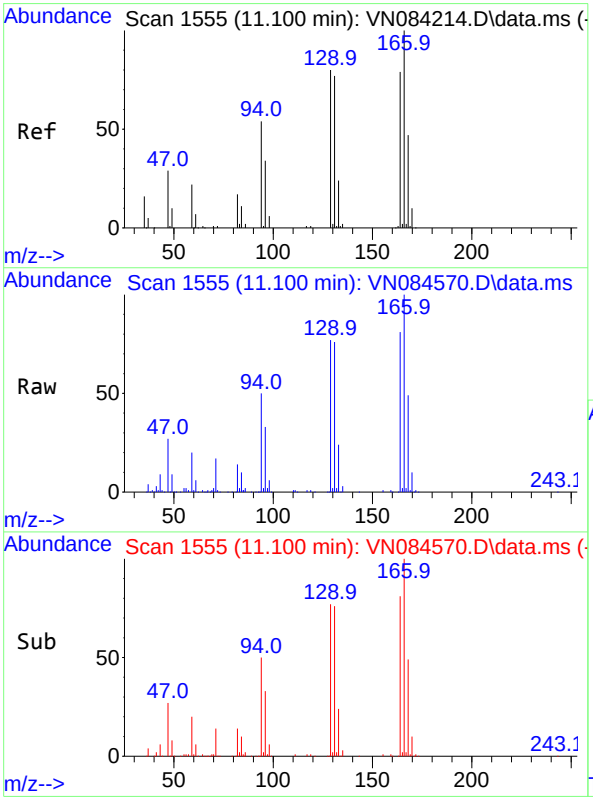
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 282514

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.1	25.4	38.0

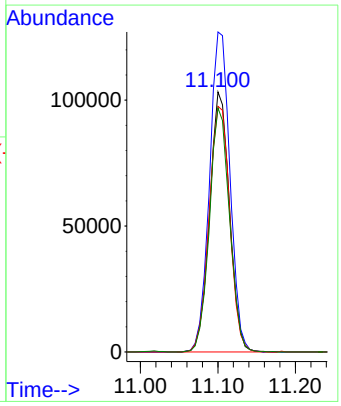


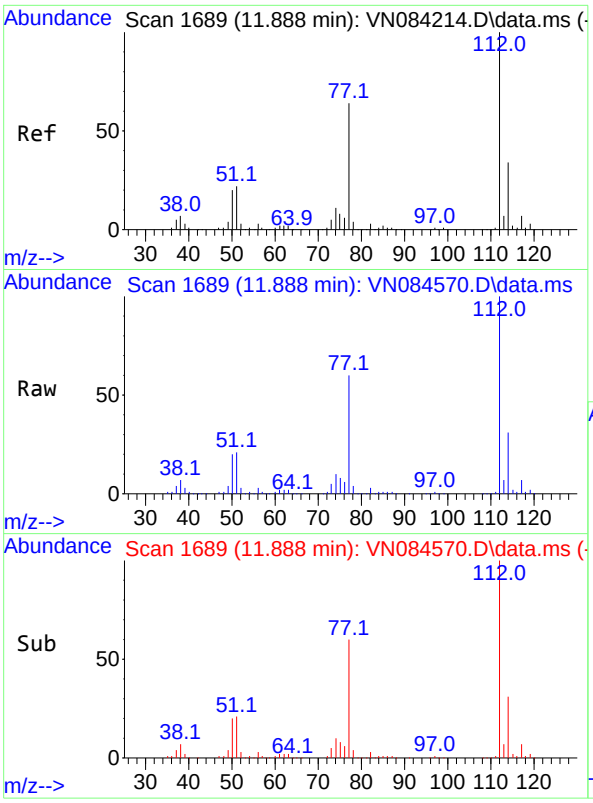


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:164 Resp: 184478

Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.0	151.4
129	94.5	80.8	121.2
131	93.8	78.1	117.1



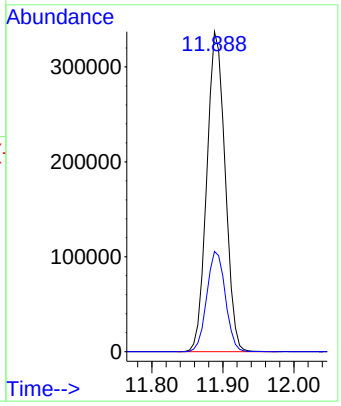


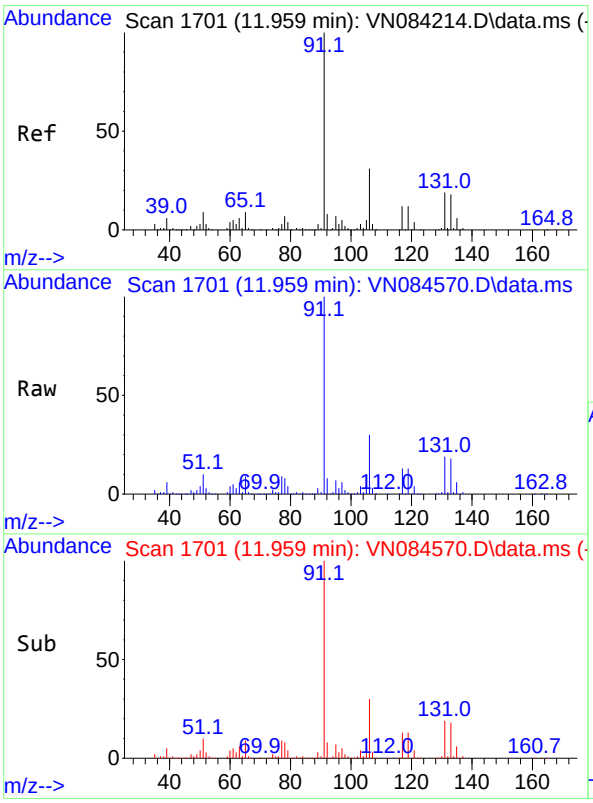
#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 603595

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6

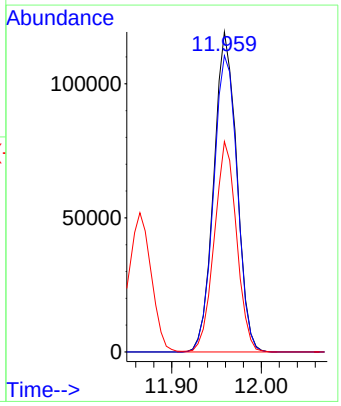


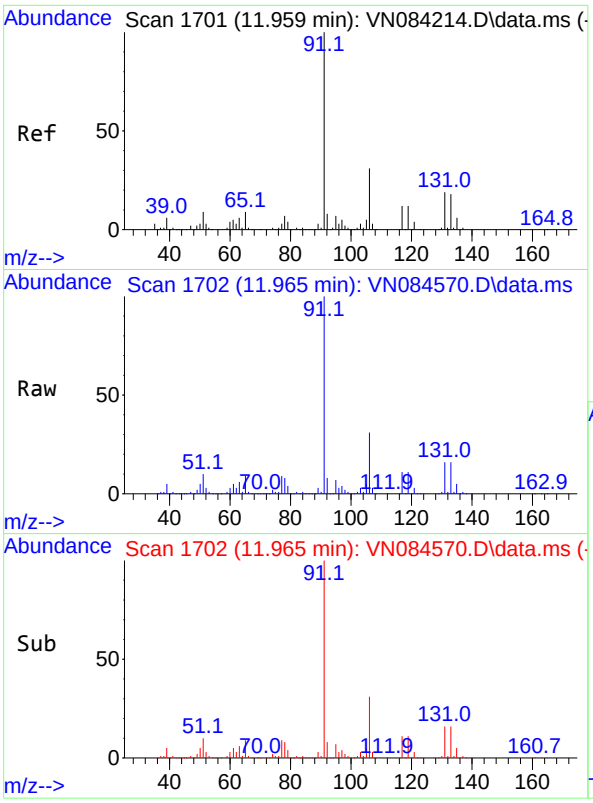


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:131 Resp: 212055

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.7
119	63.9	32.8	98.3



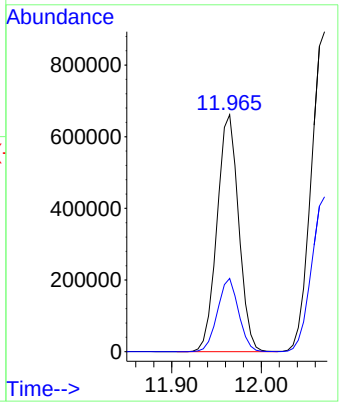


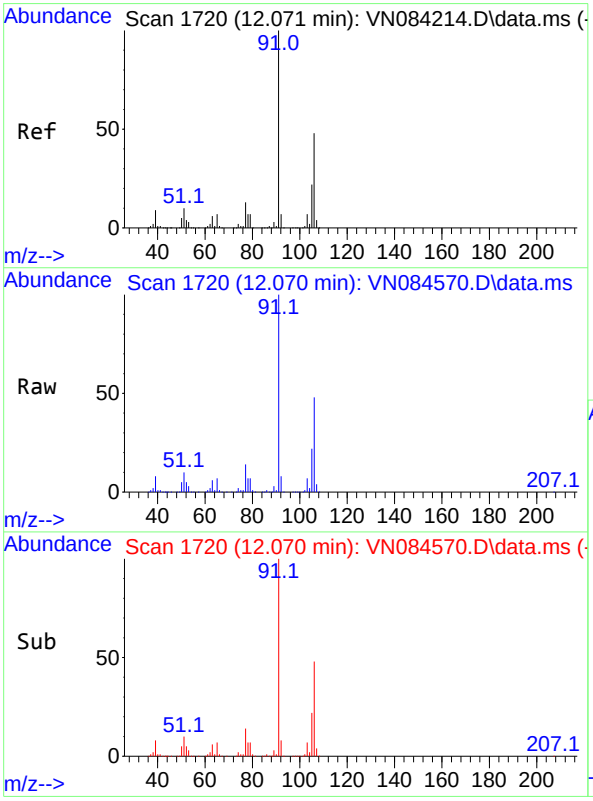
#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1106035

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

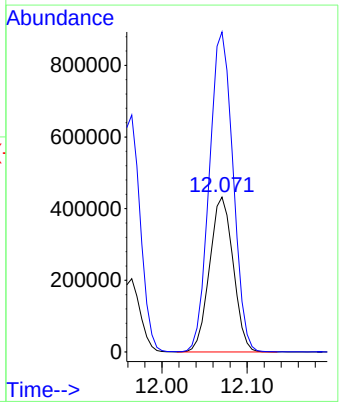


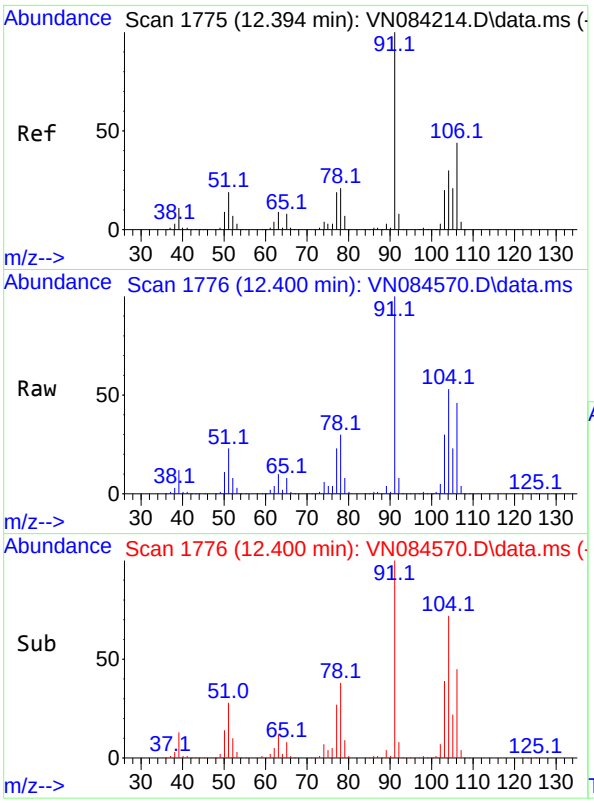


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7



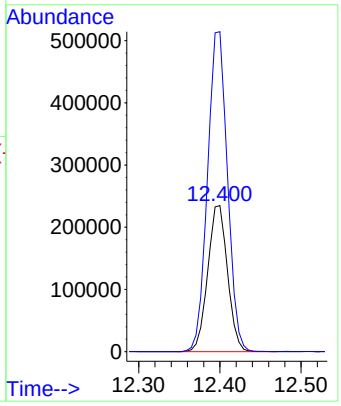


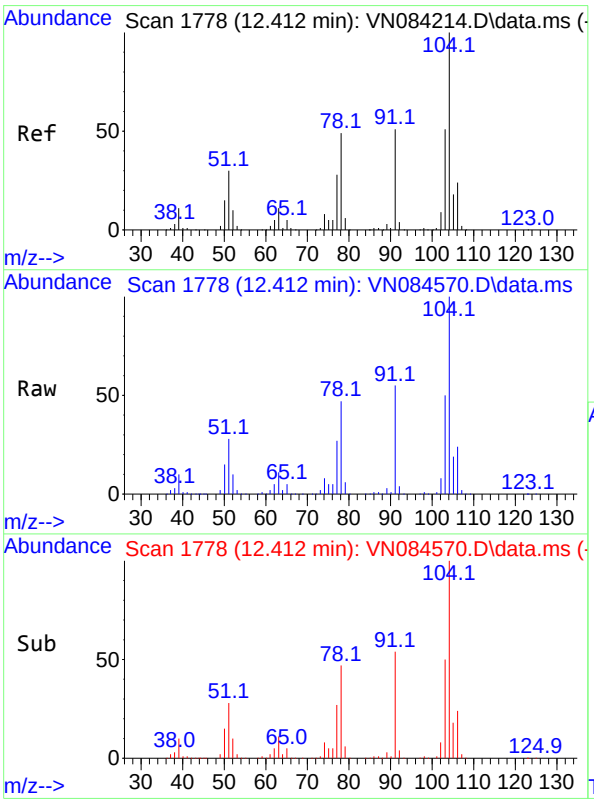
#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 397449

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

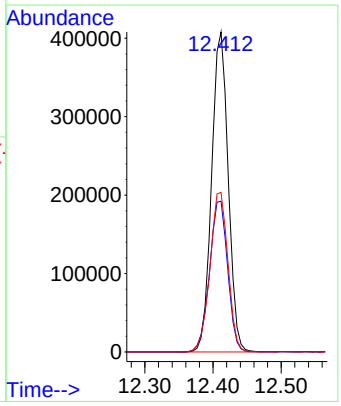


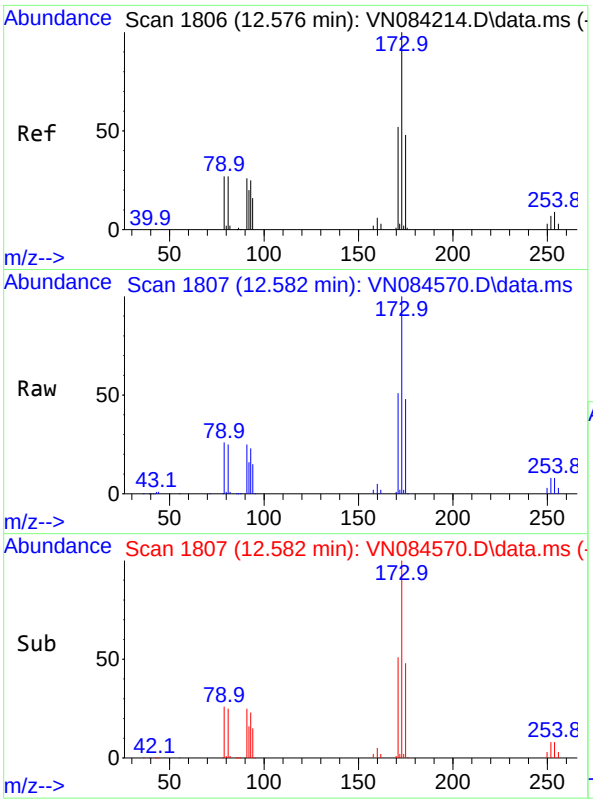


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:104 Resp: 691175

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.0	43.6	65.4



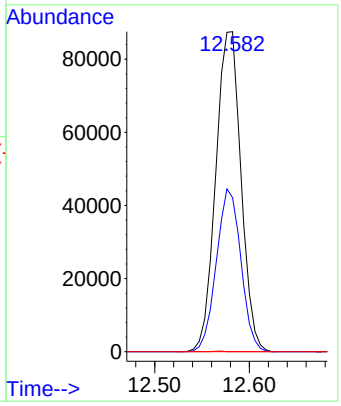


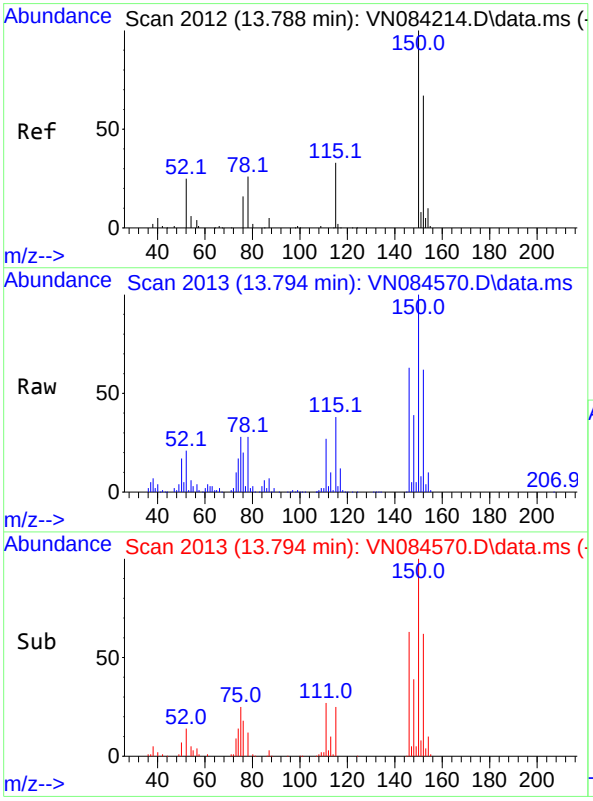
#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 162189

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.1	0.0	0.0#

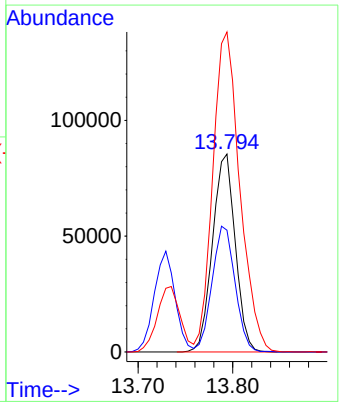


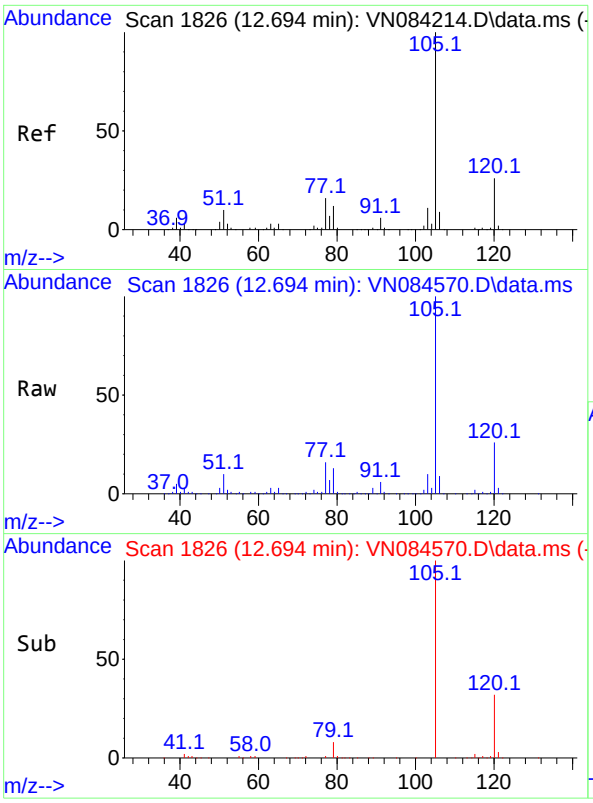


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:152 Resp: 142702

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.3	93.9
150	191.6	0.0	349.8



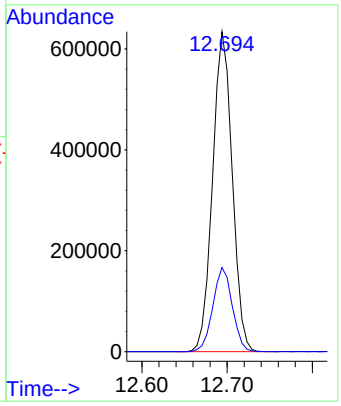


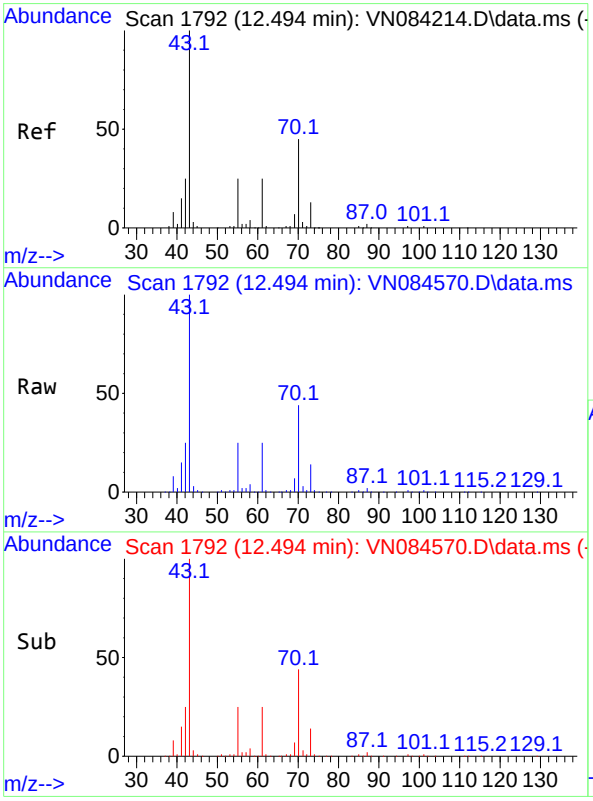
#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1015352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

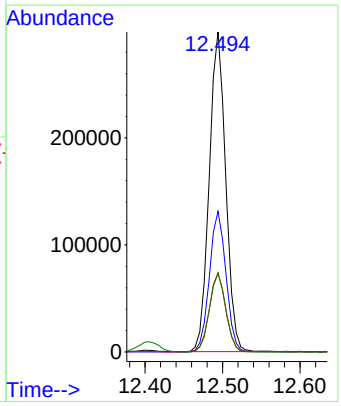


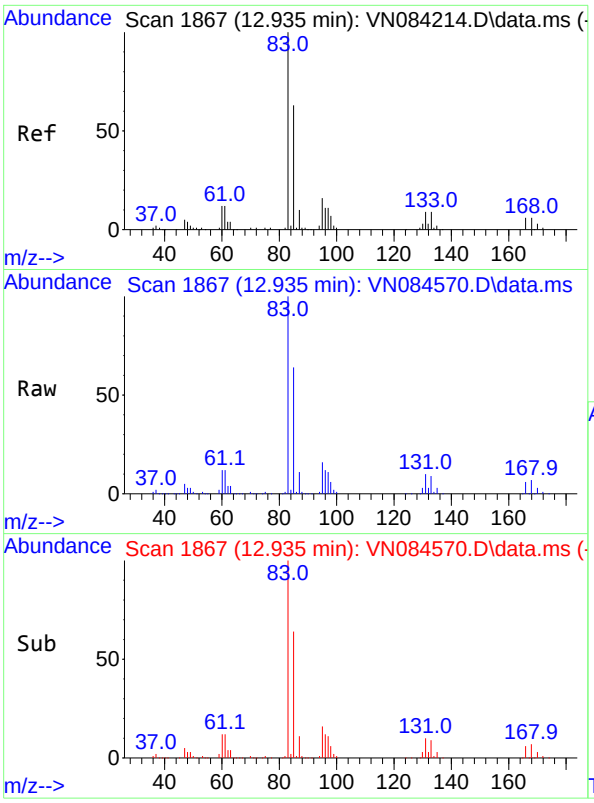


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 441232

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.4	51.6
55	25.0	19.6	29.4
61	24.4	19.6	29.4



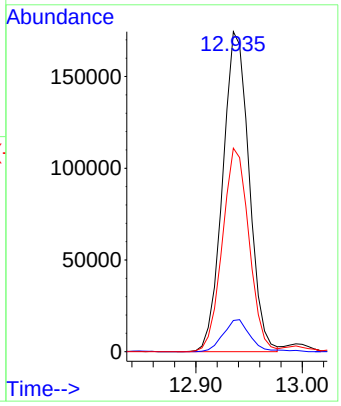


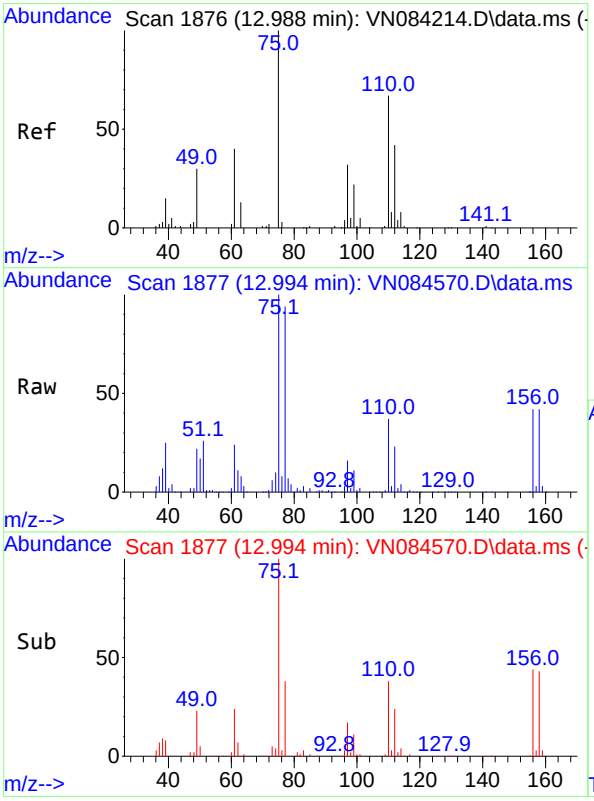
#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 300162

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7

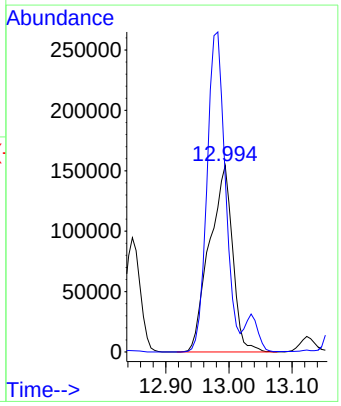


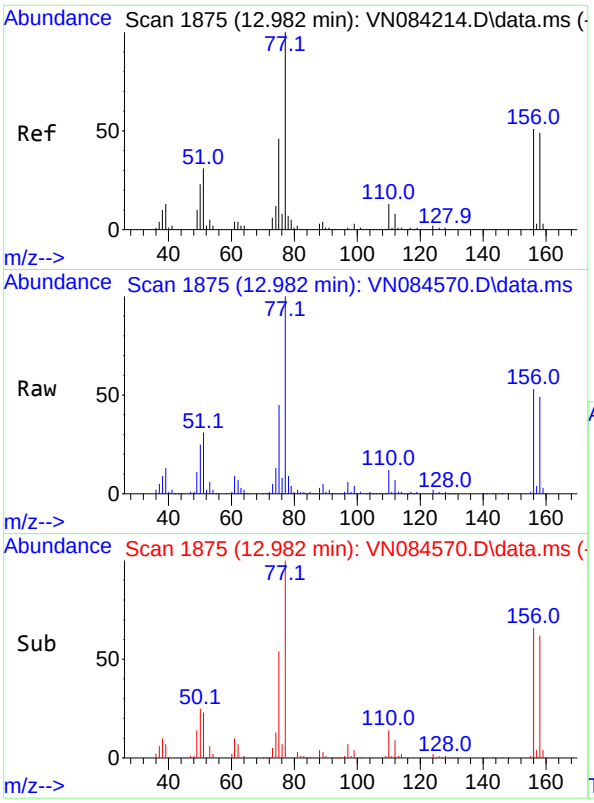


#76
1,2,3-Trichloropropane
Concen: 140.005 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 394250

Ion	Ratio	Lower	Upper
75	100		
77	135.2	96.9	290.7



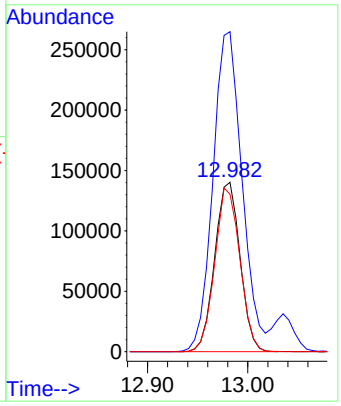


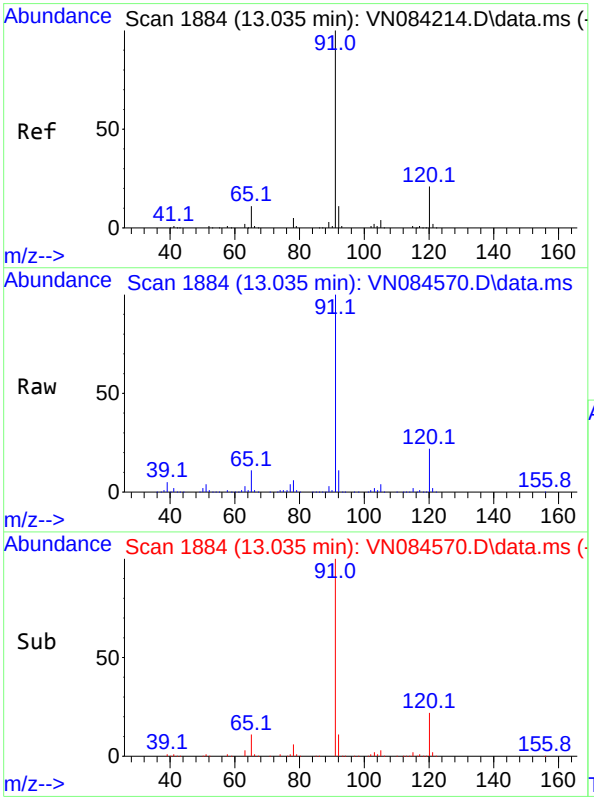
#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 245558

Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	96.1	48.9	146.8

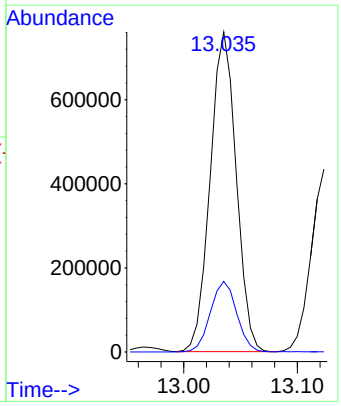


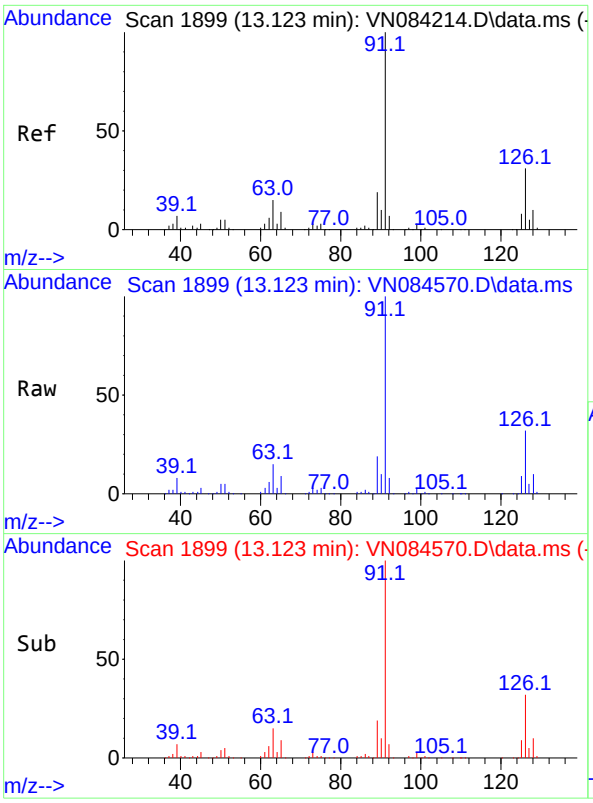


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



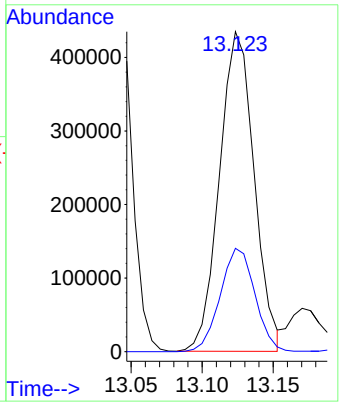


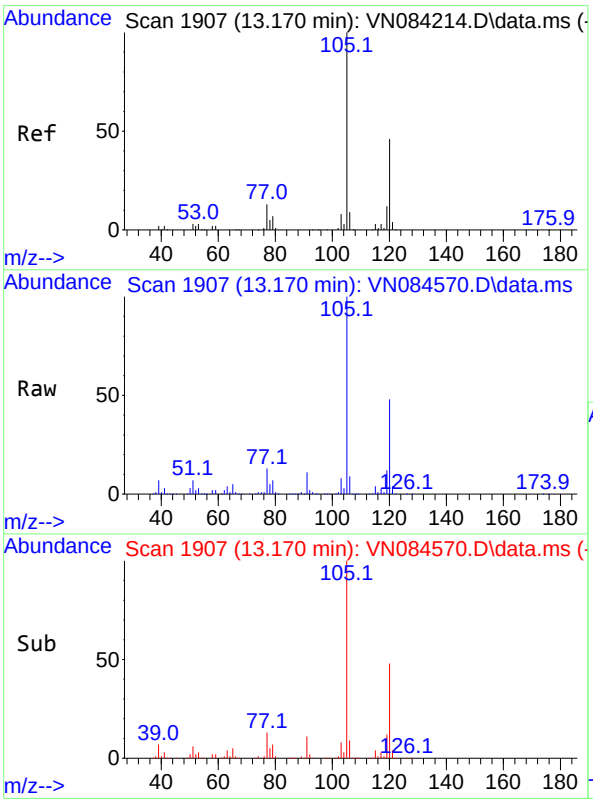
#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 736738

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

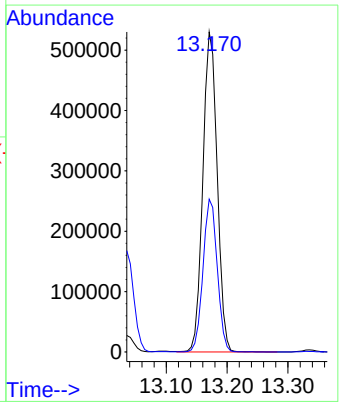


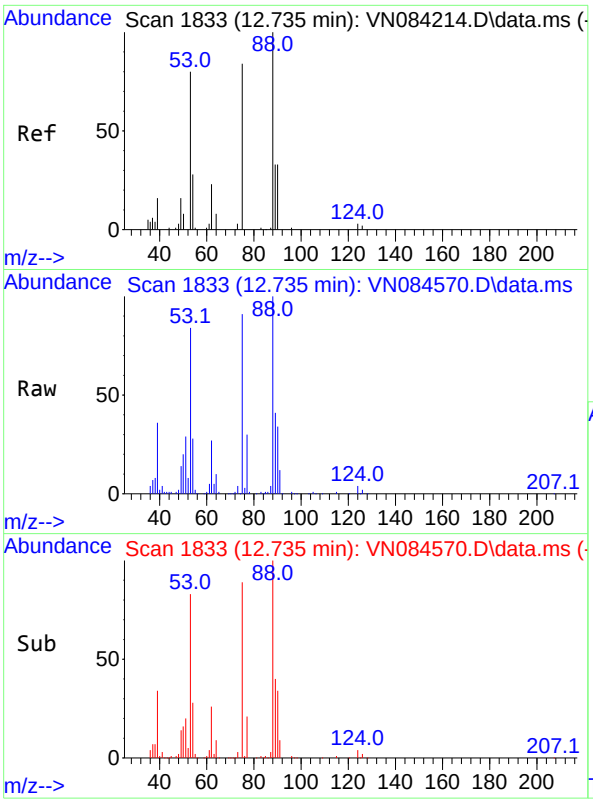


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



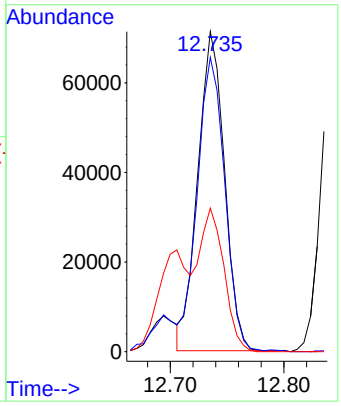


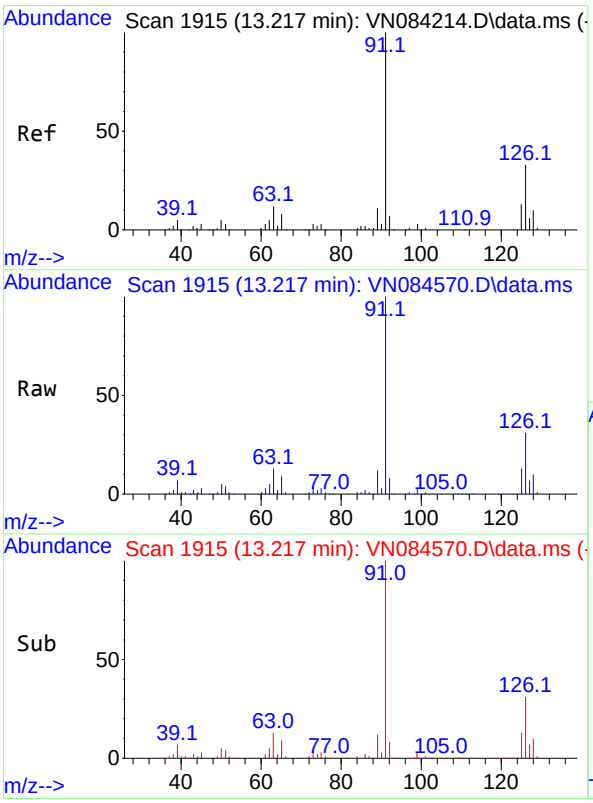
#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 115847

Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.0	117.0
89	42.4	35.5	53.3

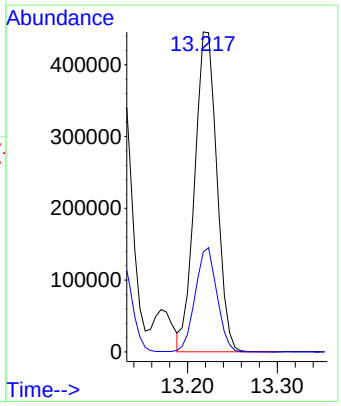


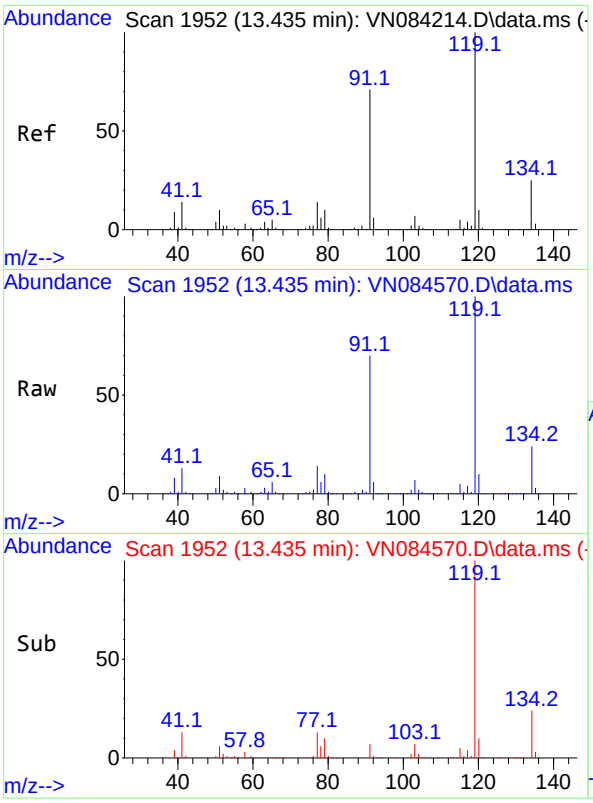


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



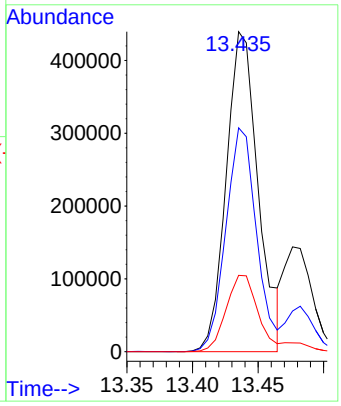


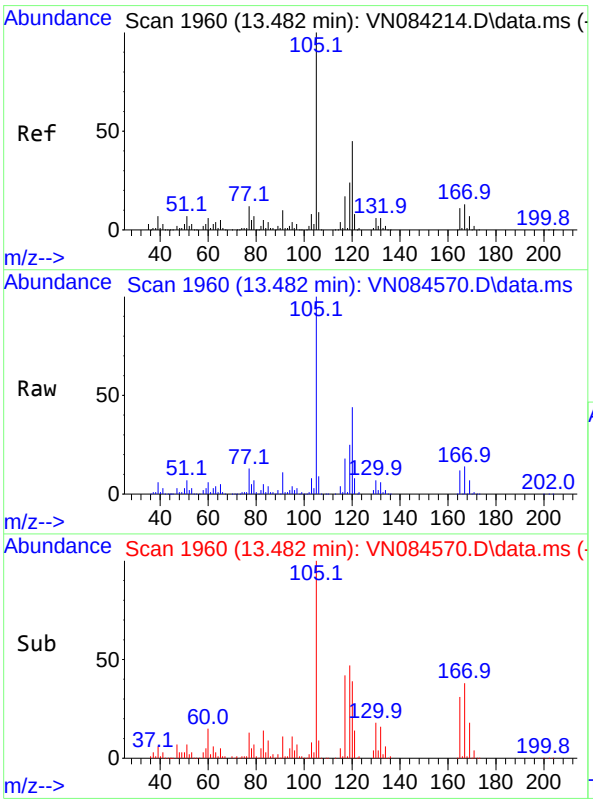
#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 746926

Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.9	12.8	38.4

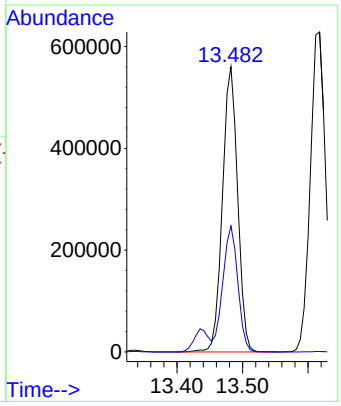


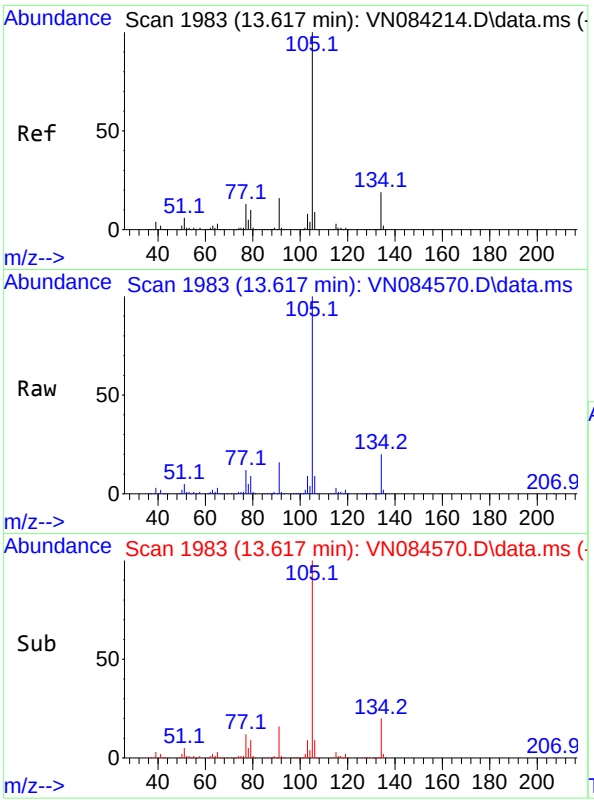


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



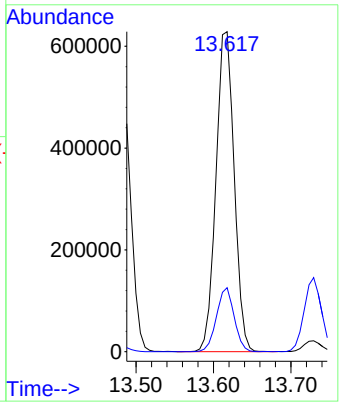


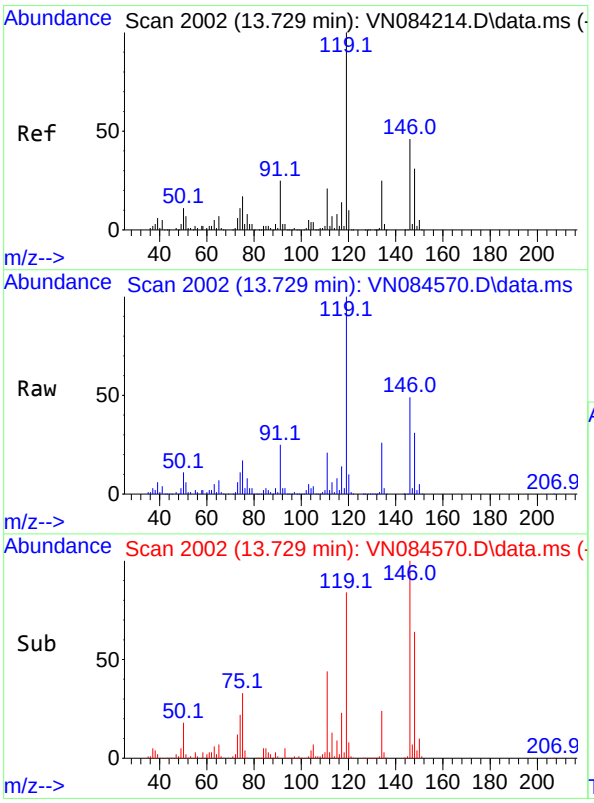
#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1027413

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

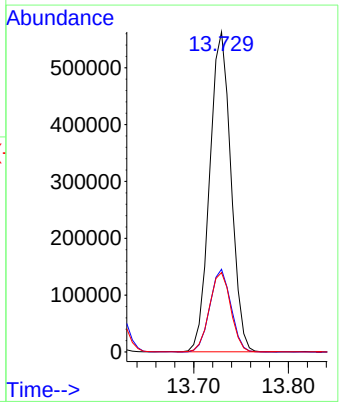


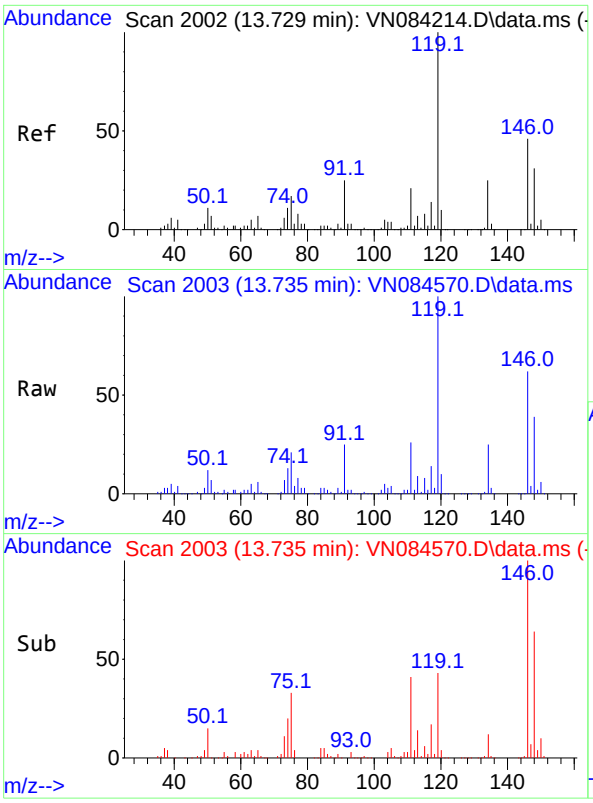


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 877717

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	24.9	12.4	37.2



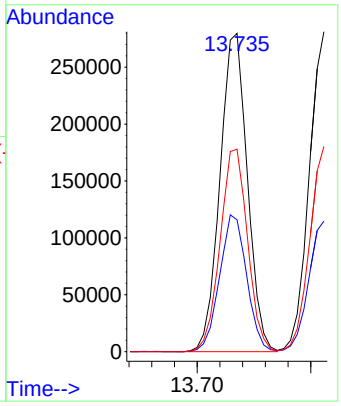


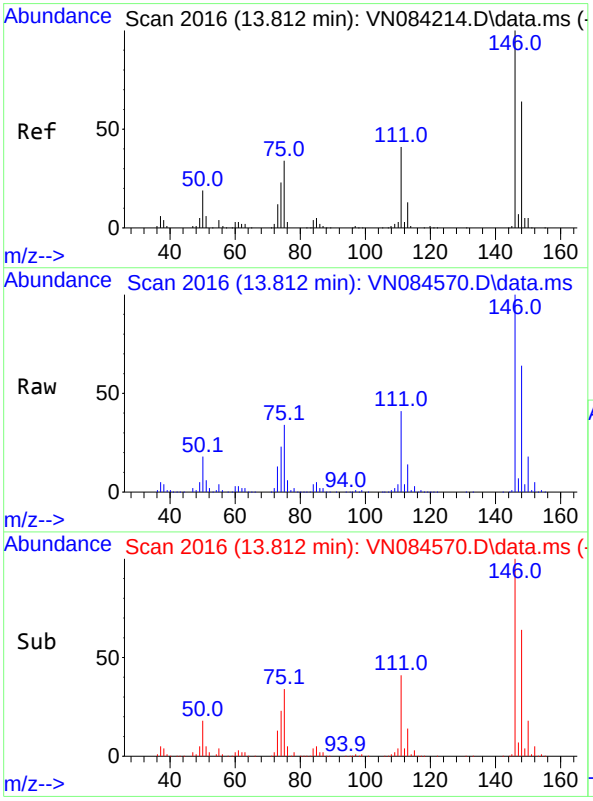
#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 468620

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.9	95.7

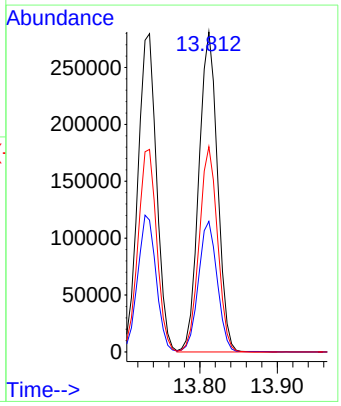


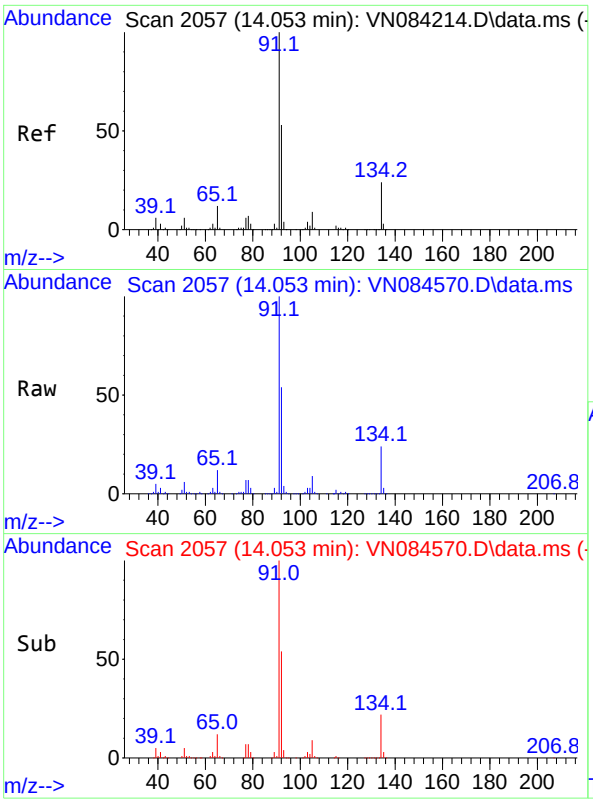


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 469714

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.1	31.9	95.9



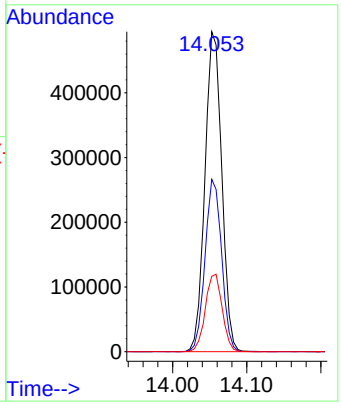


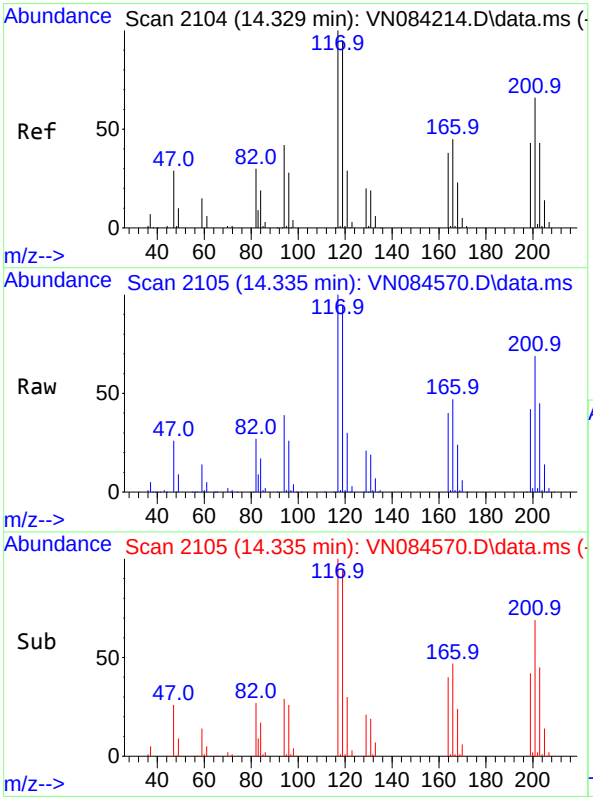
#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 778487

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.3	12.3	36.9

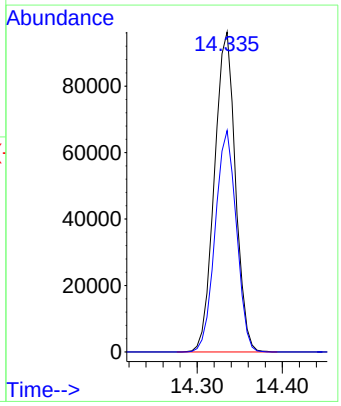


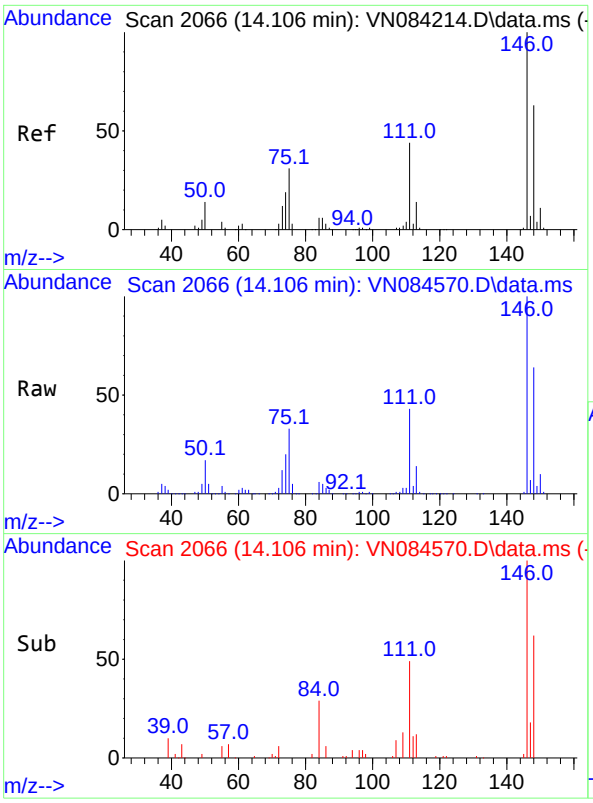


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2



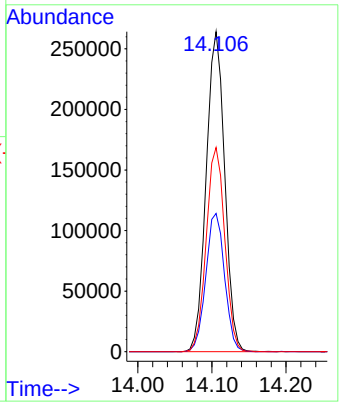


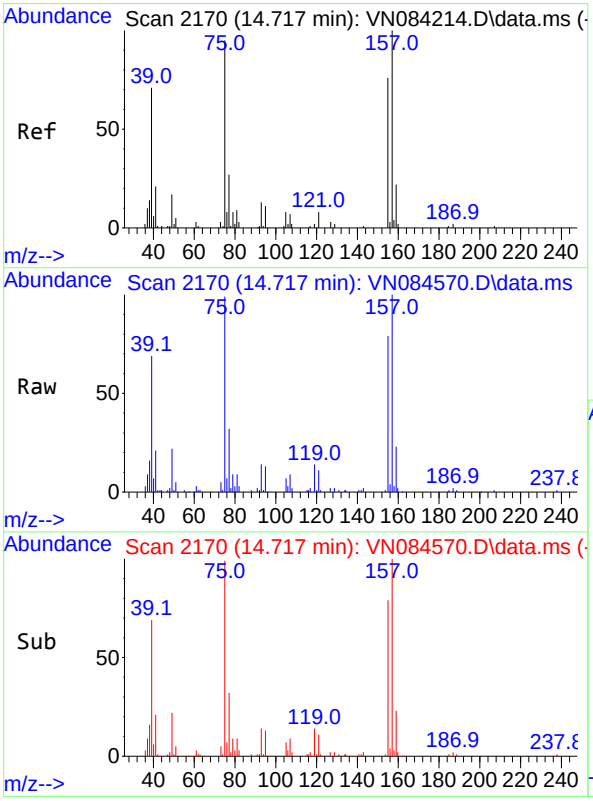
#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 456925

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.2	32.1	96.3

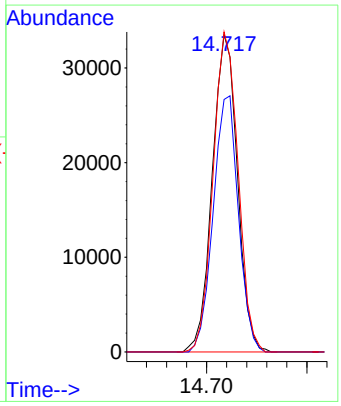


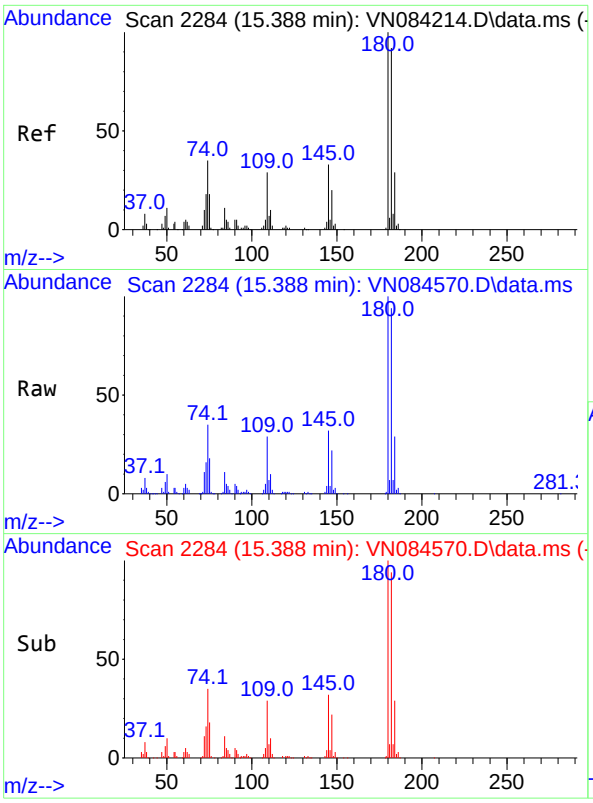


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 58247

Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.1	114.5
157	100.4	49.6	149.0



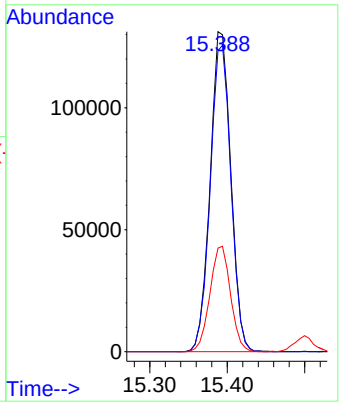


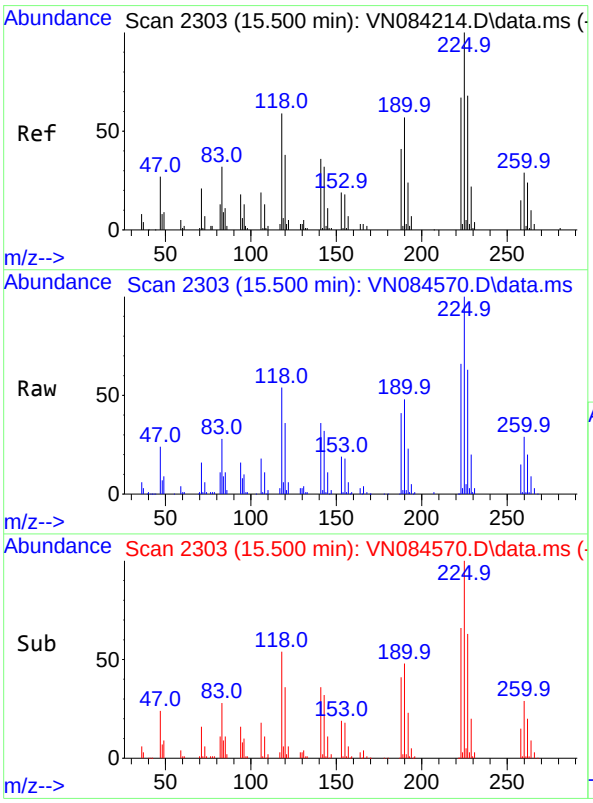
#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 243087

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.4	49.4

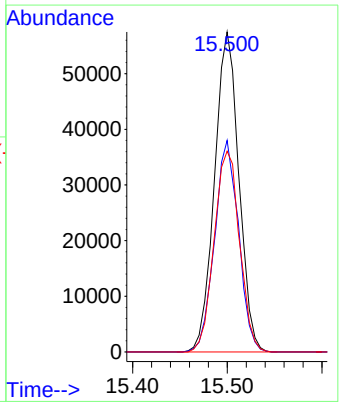


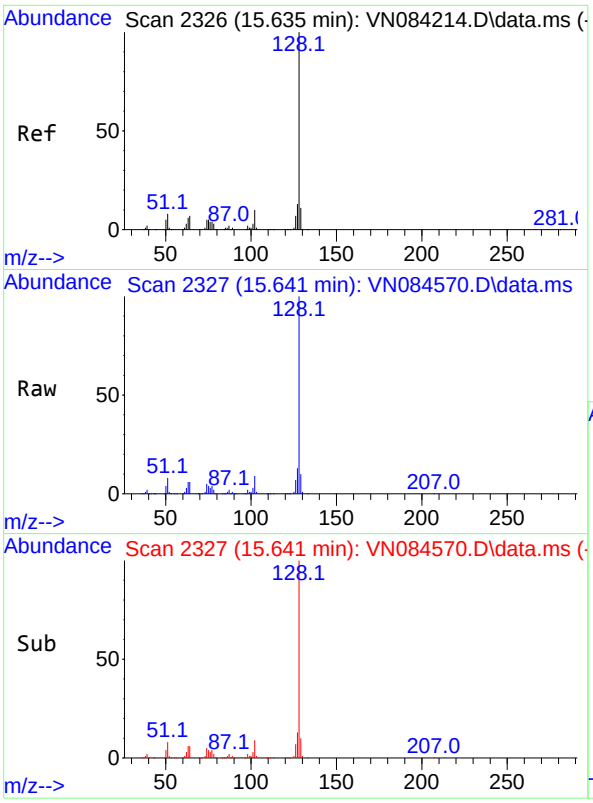


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:225 Resp: 102558

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	65.6	32.4	97.0



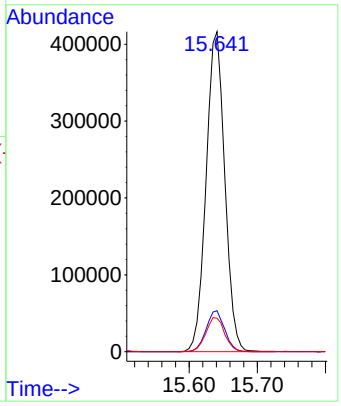


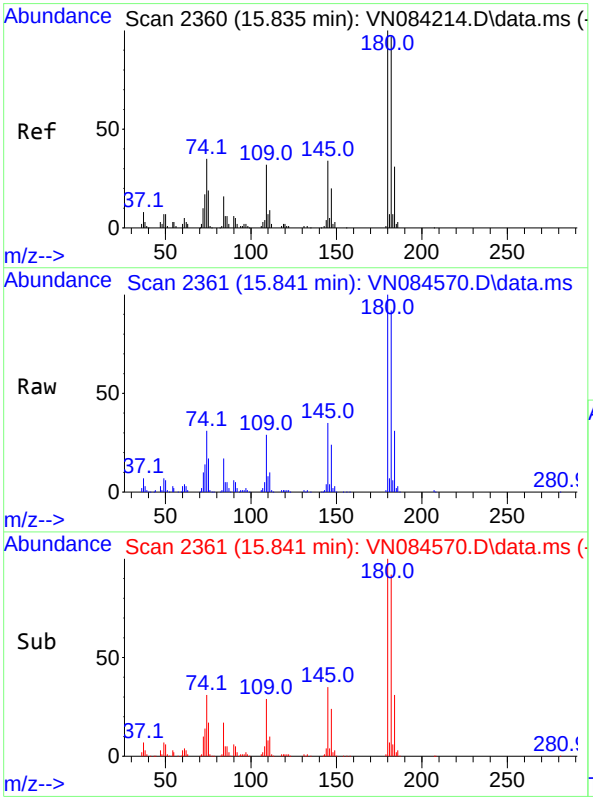
#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 792903

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1

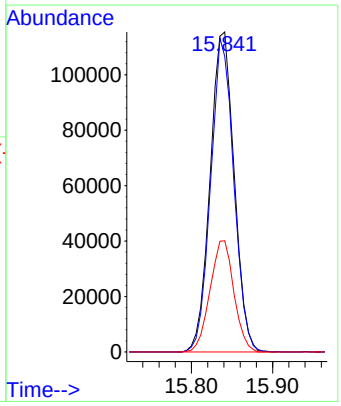




#96
1,2,3-Trichlorobenzene
Concen: 88.667 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 237515

Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814	ug/l		97
42) 1,2-Dichloroethane	8.665	62	153960	50.614	ug/l		100
43) Isopropyl Acetate	8.688	43	235517	48.004	ug/l		99
44) Trichloroethene	9.353	130	104498	48.241	ug/l		98
45) 1,2-Dichloropropane	9.618	63	108302	49.154	ug/l		95
46) Dibromomethane	9.706	93	76019	48.895	ug/l		97
47) Bromodichloromethane	9.888	83	162307	49.525	ug/l		97
48) Methyl methacrylate	9.677	41	107828	52.212	ug/l		98
49) 1,4-Dioxane	9.694	88	37719	1030.669	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254	ug/l		98
52) Toluene	10.629	92	280034	50.978	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487	ug/l		98
56) Ethyl methacrylate	10.871	69	168060	56.150	ug/l		96
57) 1,3-Dichloropropane	11.159	76	175929	49.539	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210	ug/l		97
59) 2-Hexanone	11.194	43	485391	263.615	ug/l		98
60) Dibromochloromethane	11.359	129	122816	52.078	ug/l		98
61) 1,2-Dibromoethane	11.465	107	103901	49.034	ug/l		98
64) Tetrachloroethene	11.100	164	87457	47.088	ug/l		96
65) Chlorobenzene	11.888	112	296199	47.416	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252	ug/l		99
67) Ethyl Benzene	11.965	91	528107	50.646	ug/l		100
68) m/p-Xylenes	12.070	106	406816	103.053	ug/l		98
69) o-Xylene	12.394	106	192710	52.183	ug/l		99
70) Styrene	12.412	104	336570	52.245	ug/l		99
71) Bromoform	12.576	173	82245	50.303	ug/l	#	99
73) Isopropylbenzene	12.694	105	493742	50.942	ug/l		99
74) N-amyl acetate	12.494	43	211326	51.228	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196805	72.110	ug/l		61
77) Bromobenzene	12.982	156	122062	46.847	ug/l		95
78) n-propylbenzene	13.035	91	585903	51.587	ug/l		100
79) 2-Chlorotoluene	13.123	91	362526	48.850	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612	ug/l		92
82) 4-Chlorotoluene	13.217	91	375636	48.097	ug/l		99
83) tert-Butylbenzene	13.435	119	350031	52.649	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518	ug/l		99
85) sec-Butylbenzene	13.612	105	489305	52.102	ug/l		100
86) p-Isopropyltoluene	13.729	119	421834	54.770	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658	ug/l		98
89) n-Butylbenzene	14.053	91	362215	50.276	ug/l		99
90) Hexachloroethane	14.335	117	81515	47.459	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711	ug/l		99
94) Hexachlorobutadiene	15.500	225	51033	43.451	ug/l		98
95) Naphthalene	15.635	128	384553	48.037	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

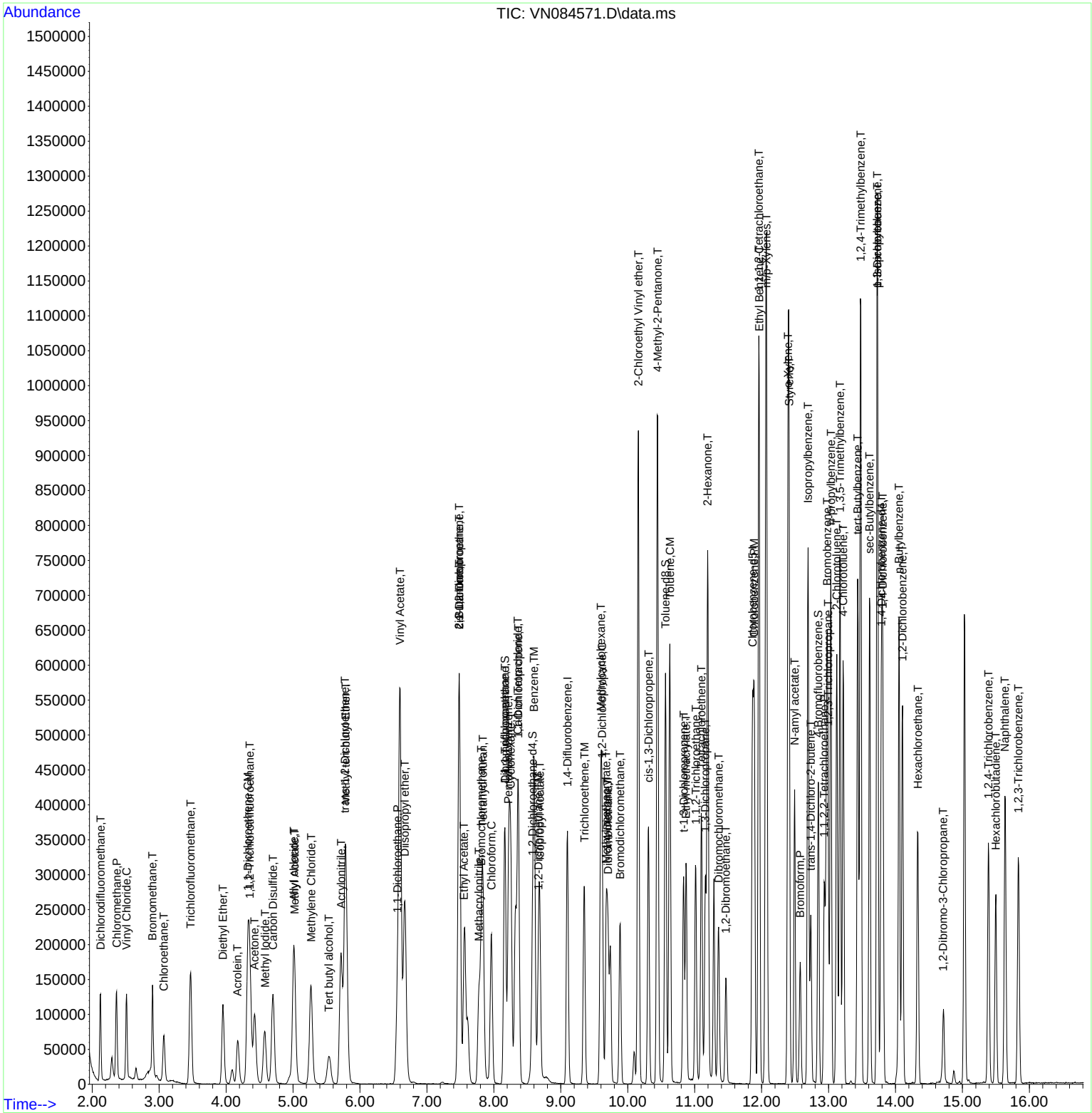
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

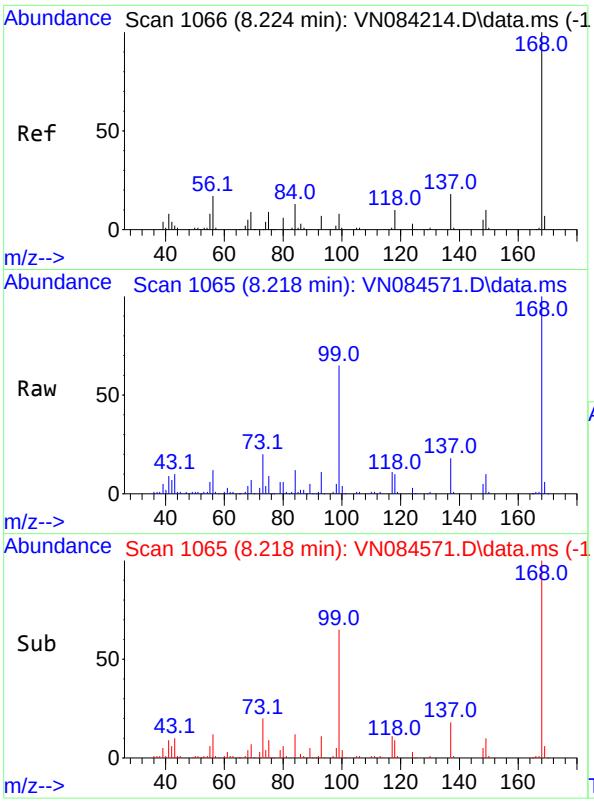
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



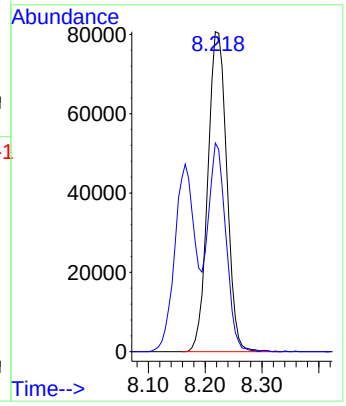


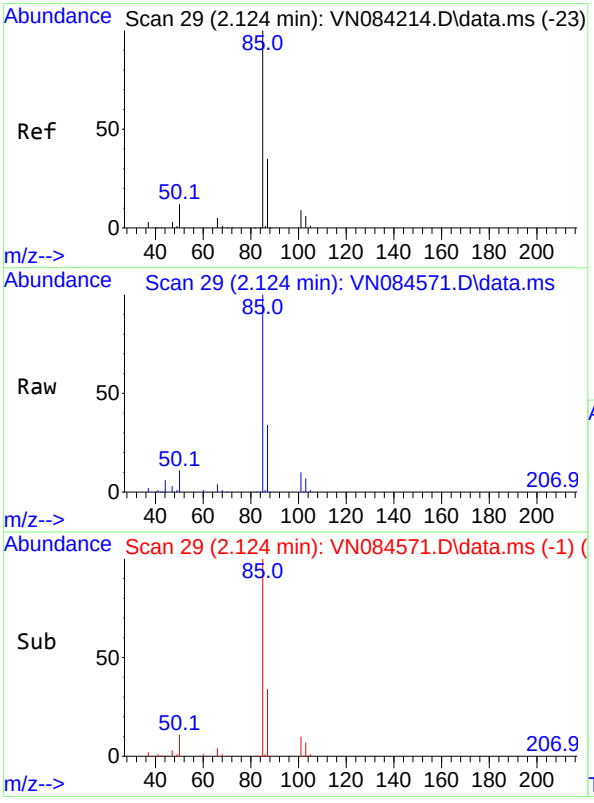
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 186594

Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2

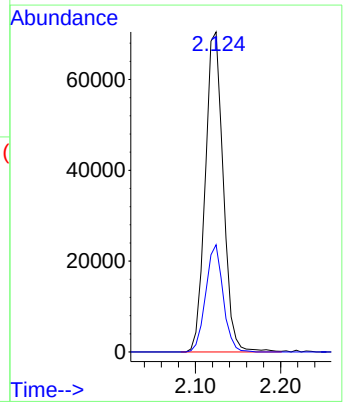


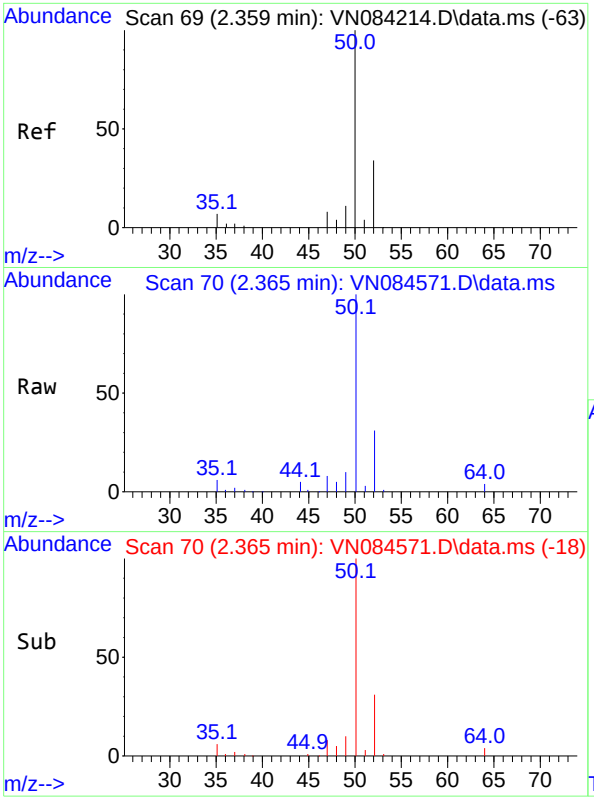


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9



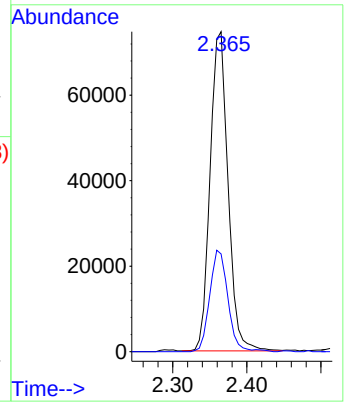


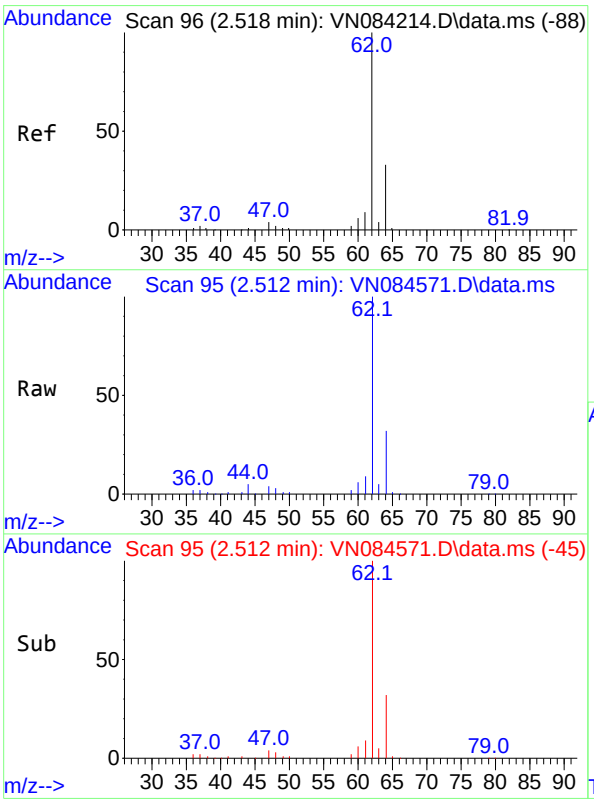
#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 125344

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2

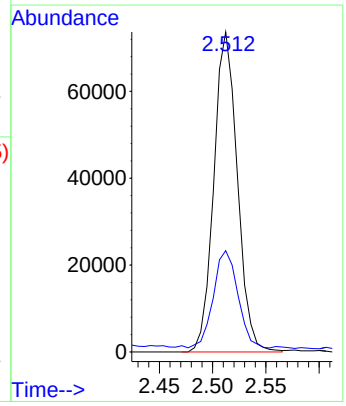


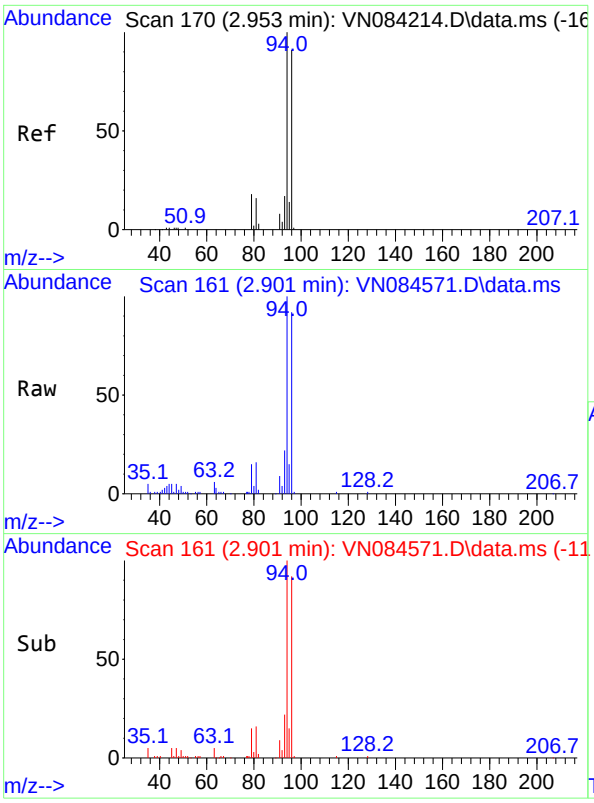


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4



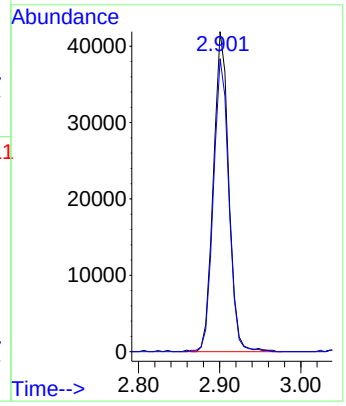


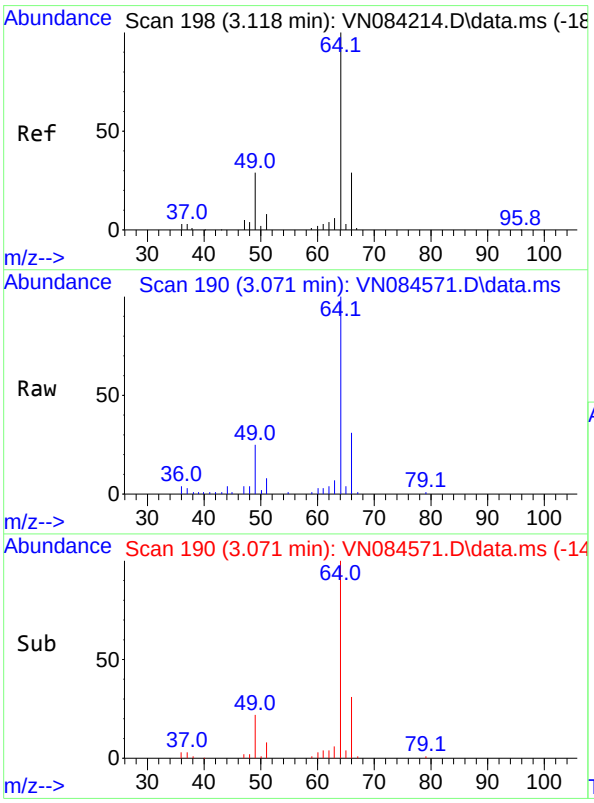
#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 55194

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3

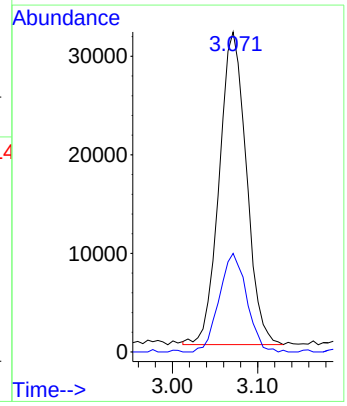


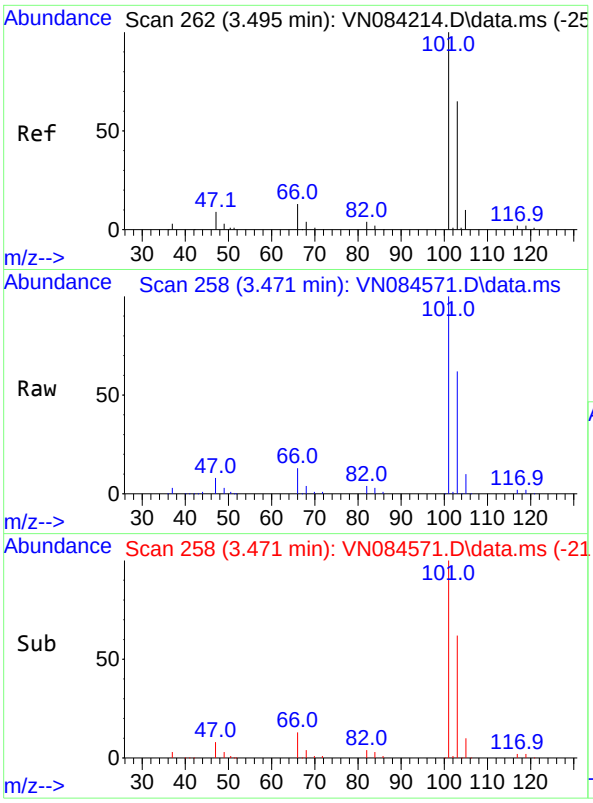


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3



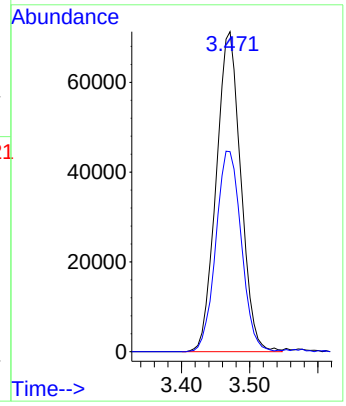


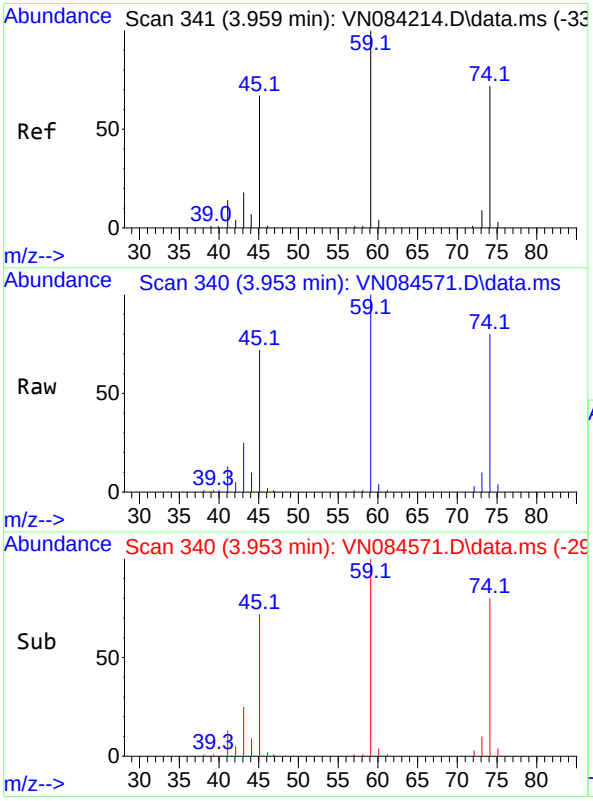
#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 178947

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6

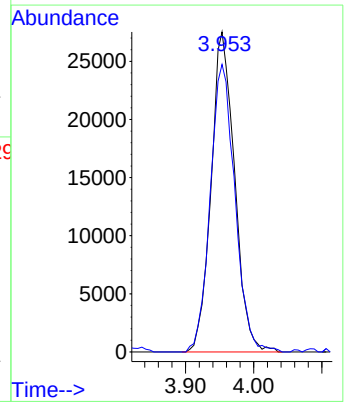


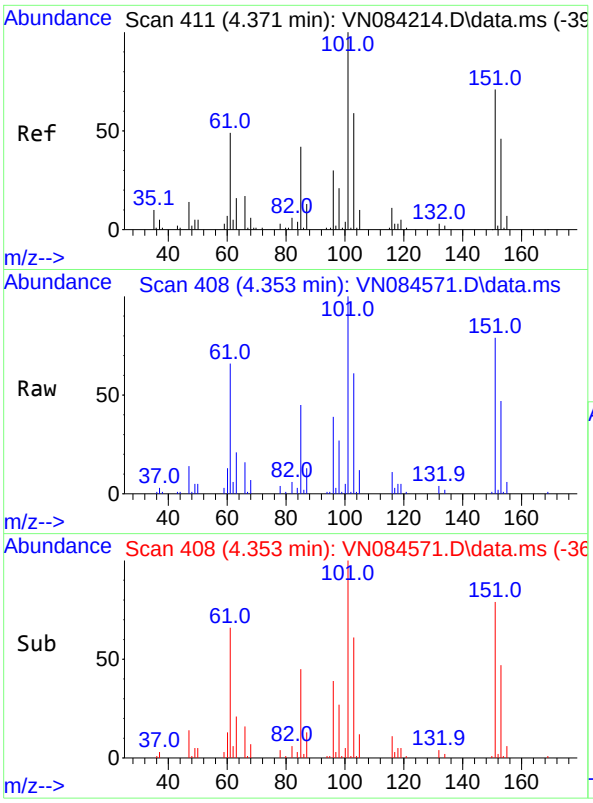


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1



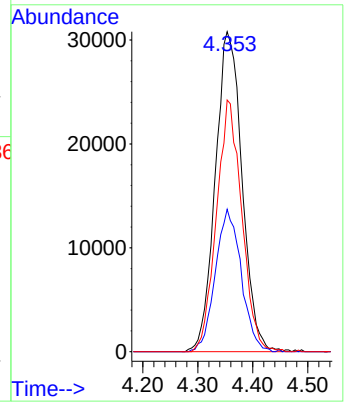


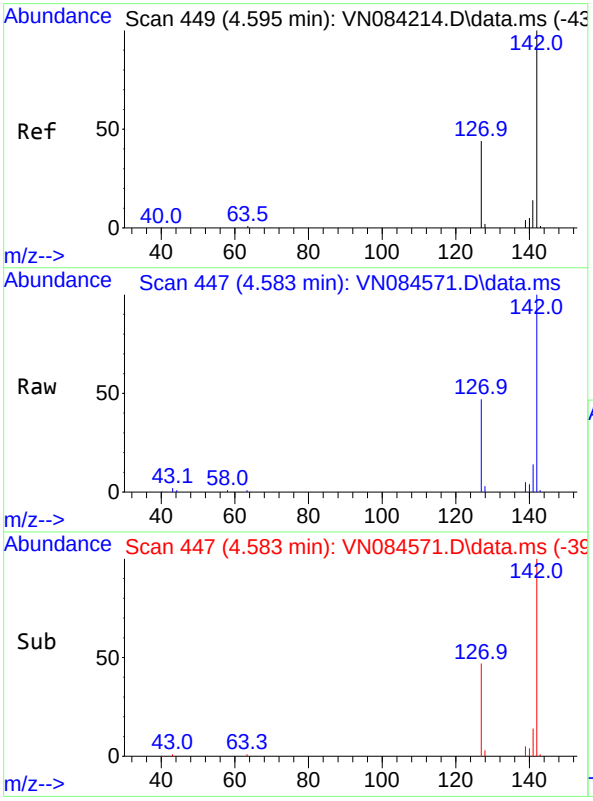
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 4
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103864

Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	74.7	59.3	88.9

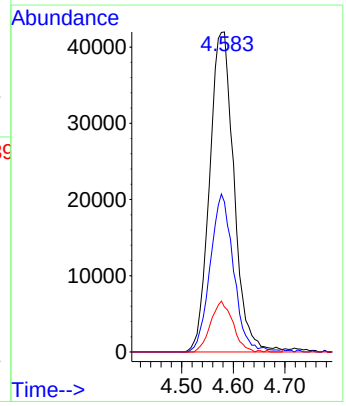


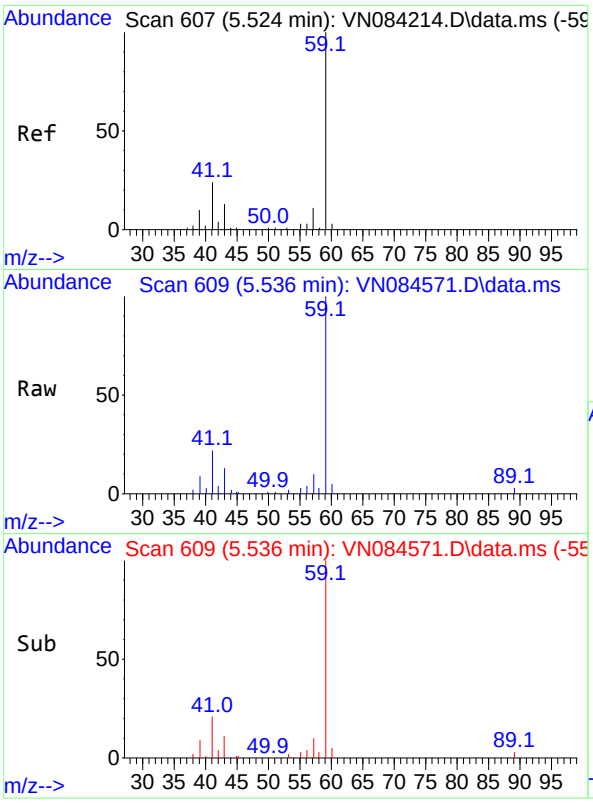


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:142 Resp: 137274

Ion	Ratio	Lower	Upper
142	100		
127	46.9	35.3	52.9
141	14.0	11.0	16.6



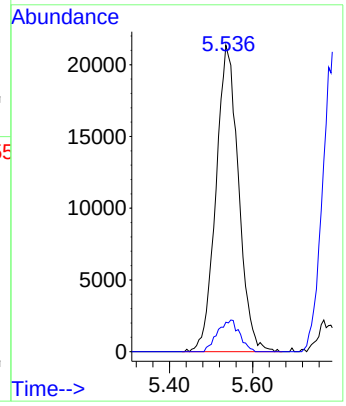


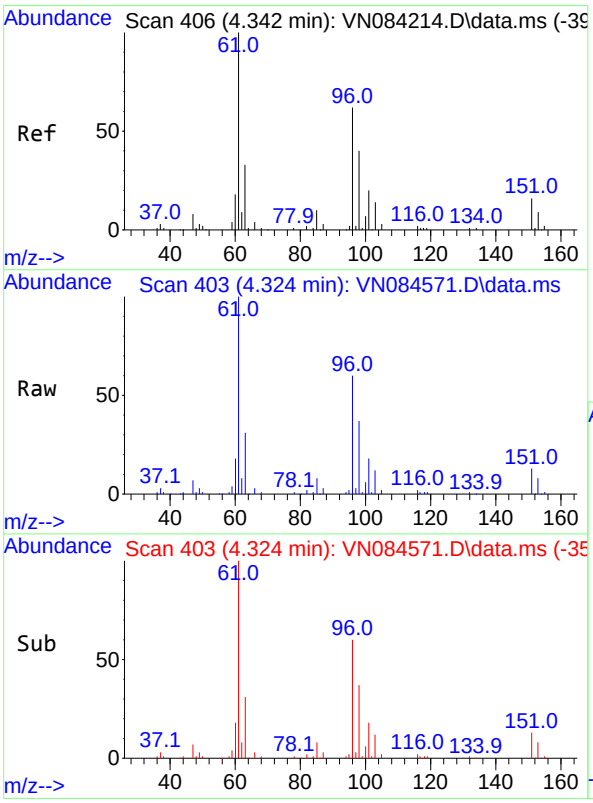
#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 80598

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

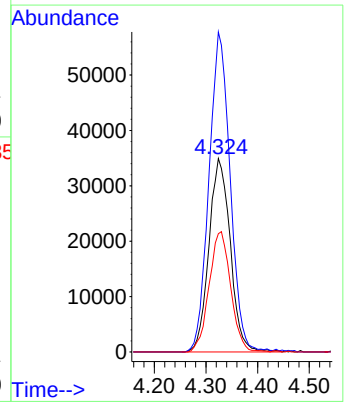


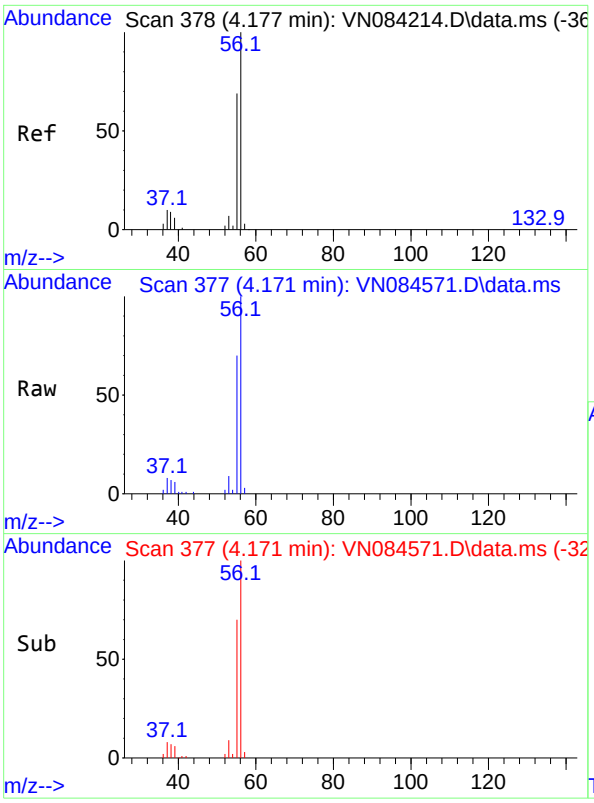


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 100445

Ion	Ratio	Lower	Upper
96	100		
61	165.4	128.6	192.8
98	61.1	51.7	77.5



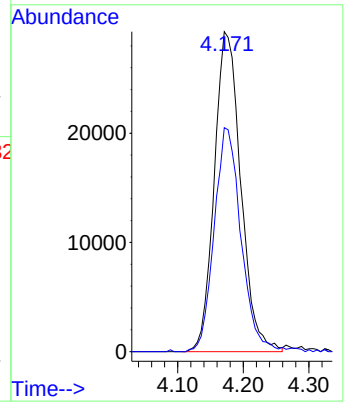


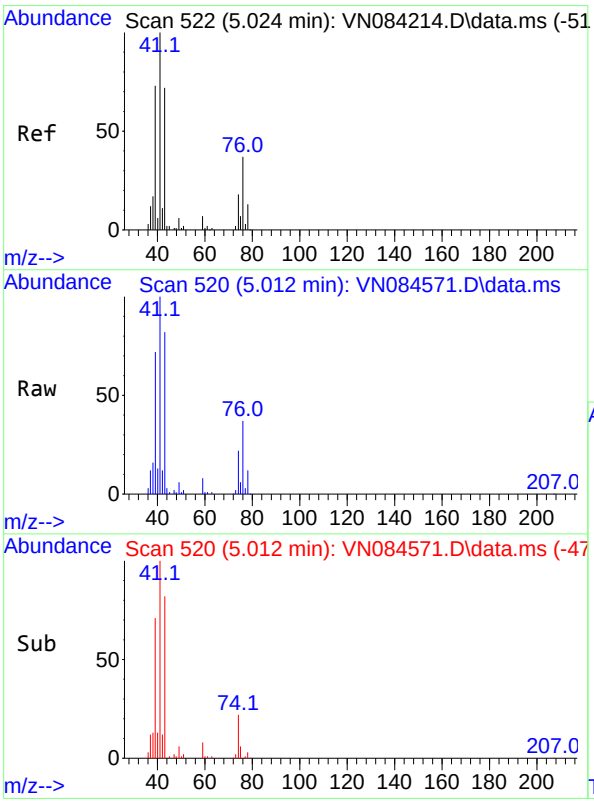
#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 82129

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

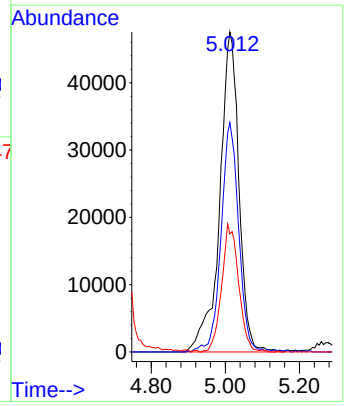


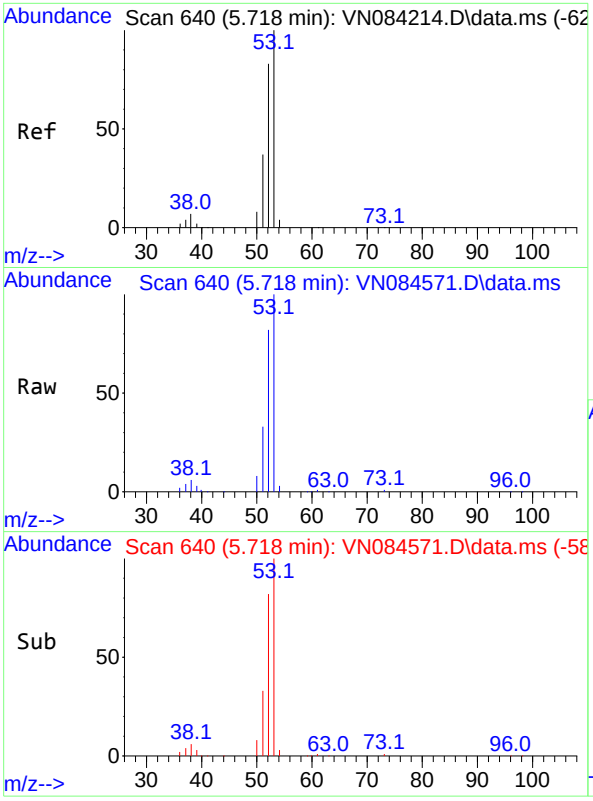


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 171045

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	35.1	29.8	44.6



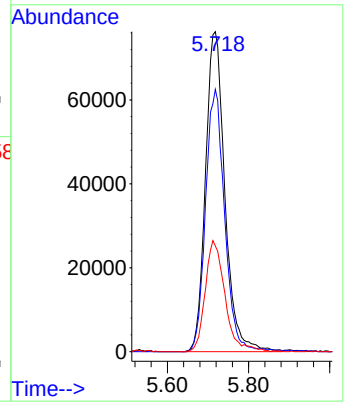


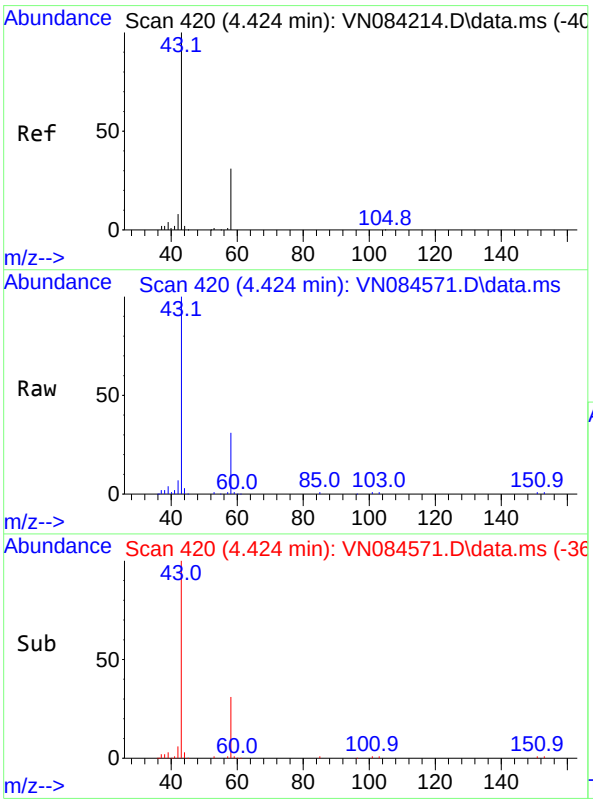
#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 252853

Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.2	99.4
51	35.4	28.8	43.2

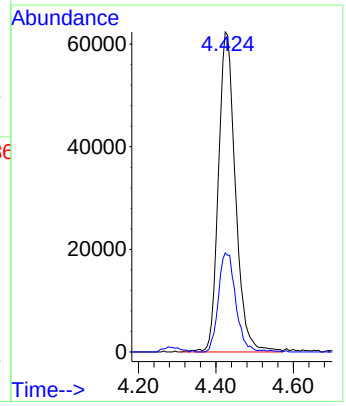


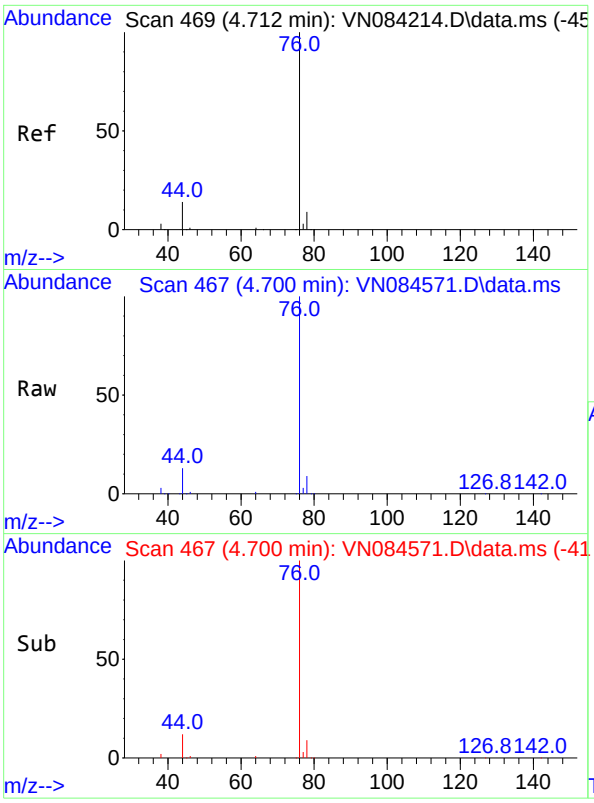


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6



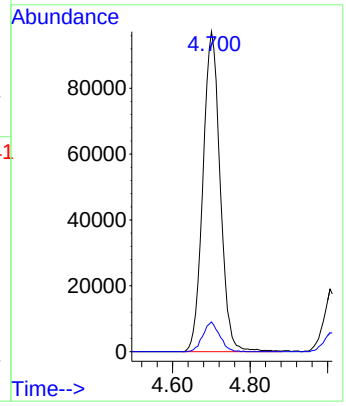


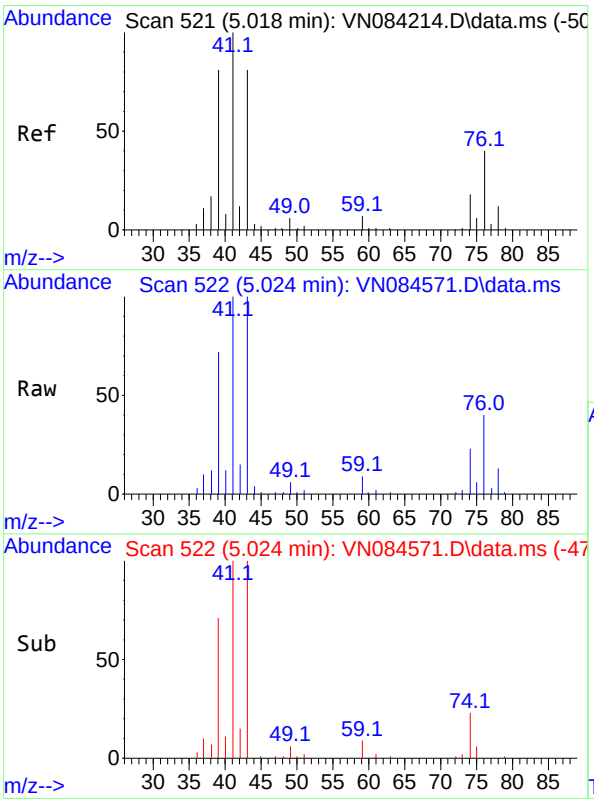
#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 299041

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

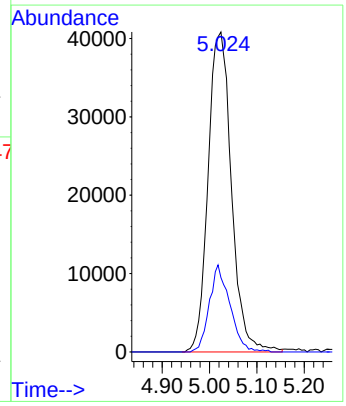


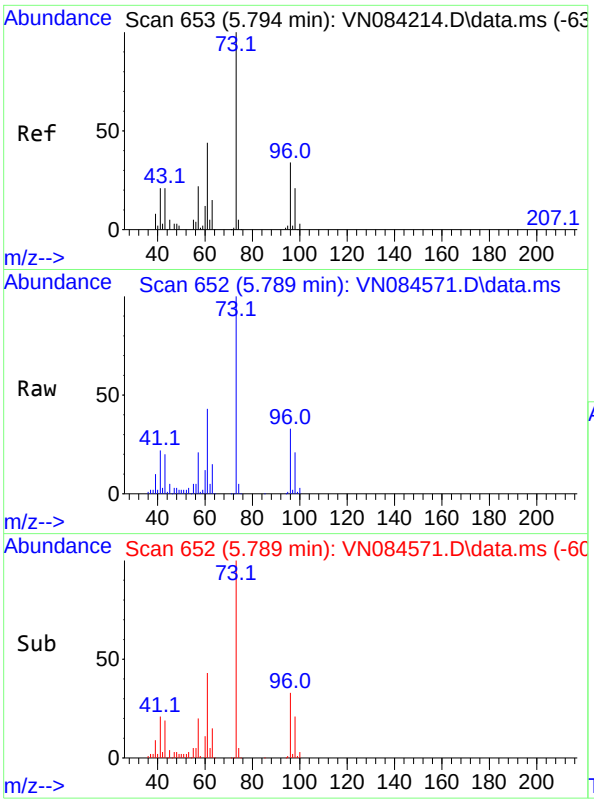


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8



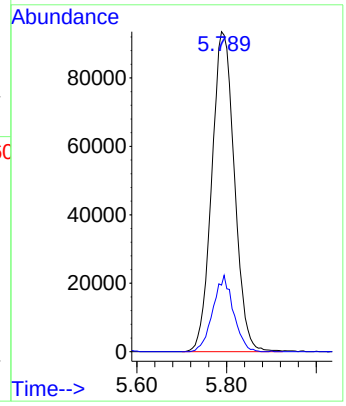


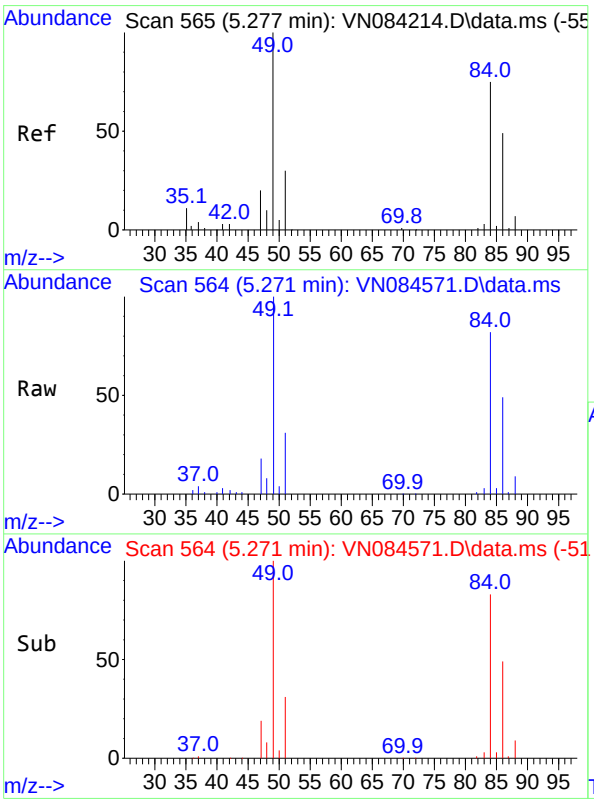
#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 328099

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

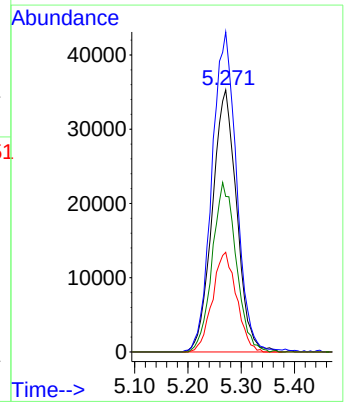


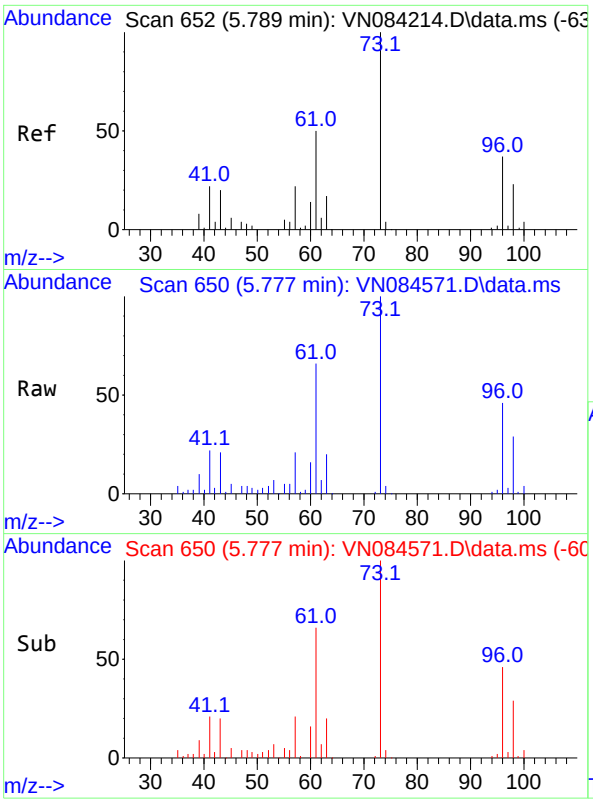


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 84 Resp: 112282

Ion	Ratio	Lower	Upper
84	100		
49	122.1	107.2	160.8
51	38.0	31.8	47.8
86	59.3	52.9	79.3



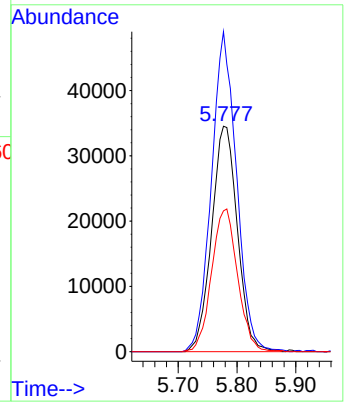


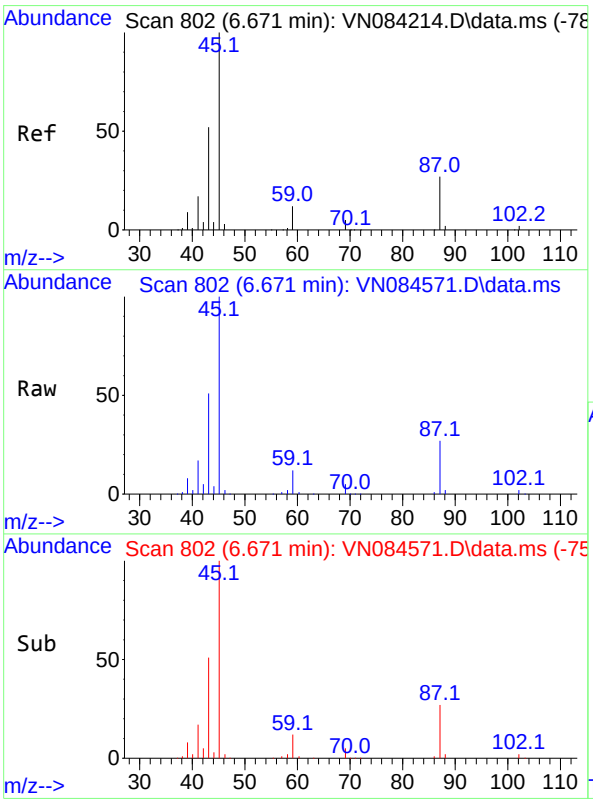
#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 105050

Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	62.5	49.8	74.8

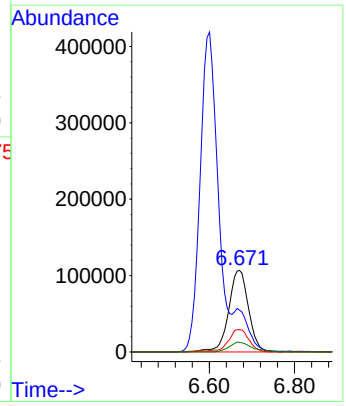


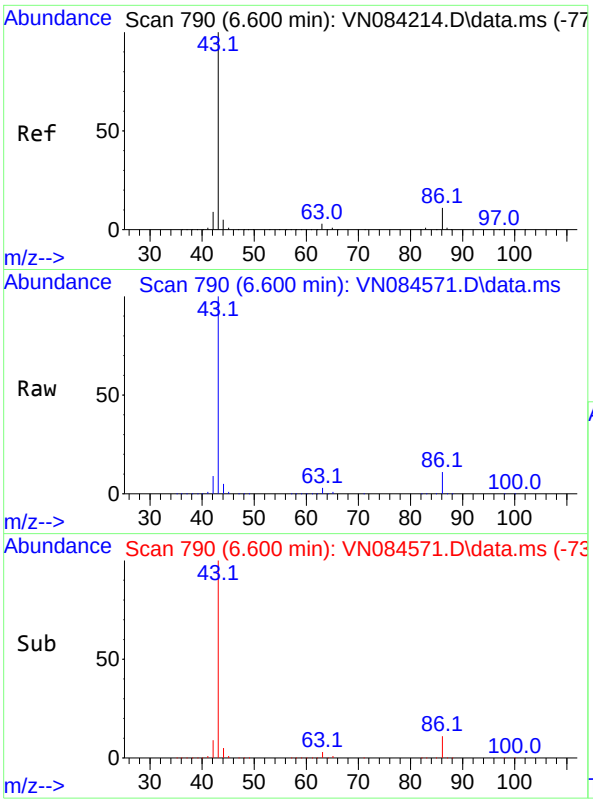


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 45 Resp: 346126

Ion	Ratio	Lower	Upper
45	100		
43	50.3	42.3	63.5
87	27.3	21.8	32.6
59	11.7	9.6	14.4



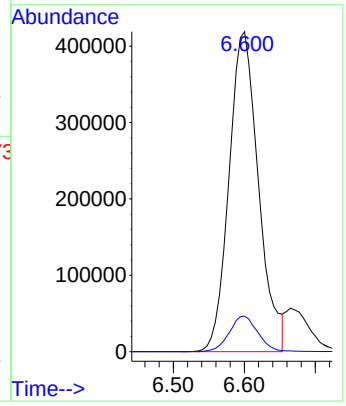


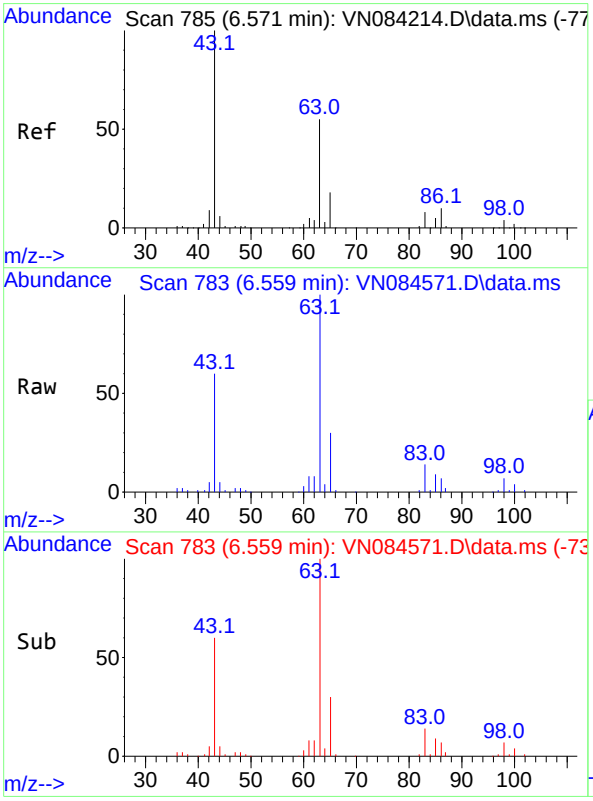
#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1212022

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

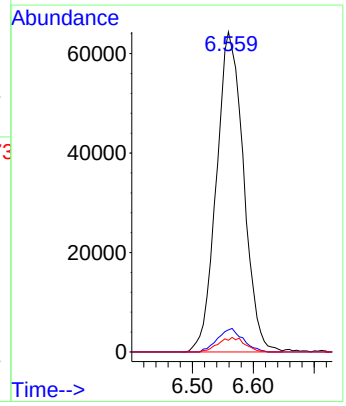


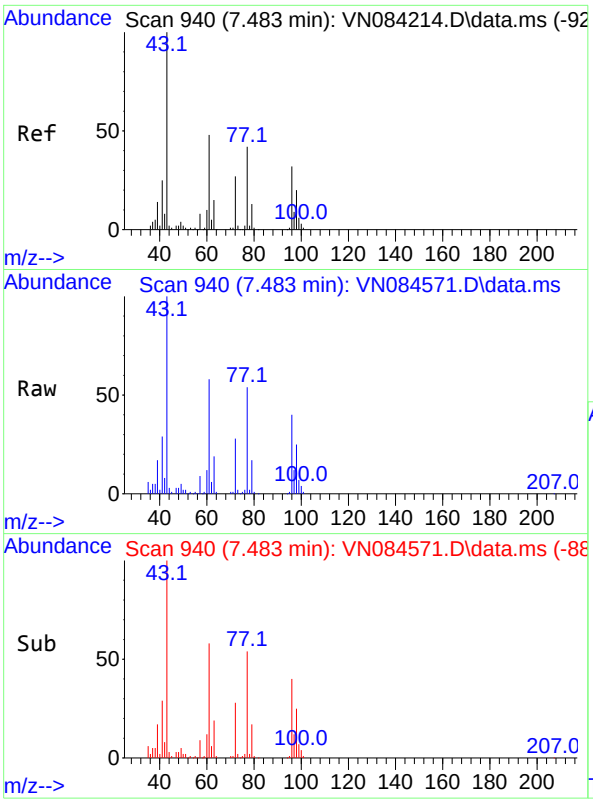


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 198817

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	3.7	2.0	5.8



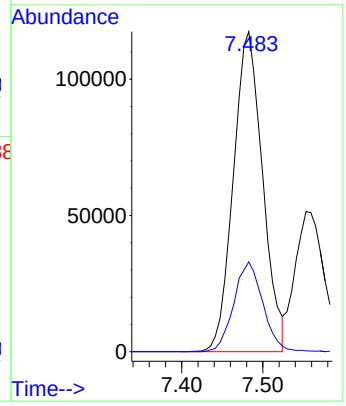


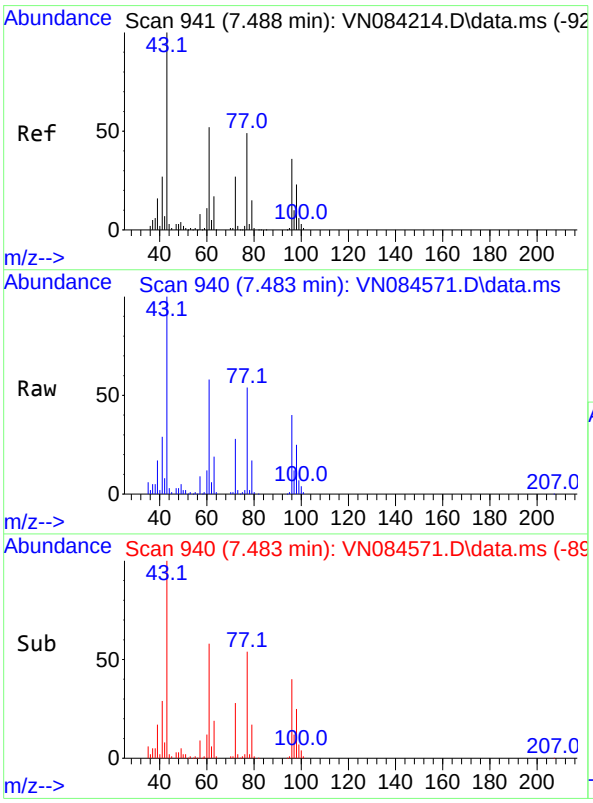
#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 294207

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2

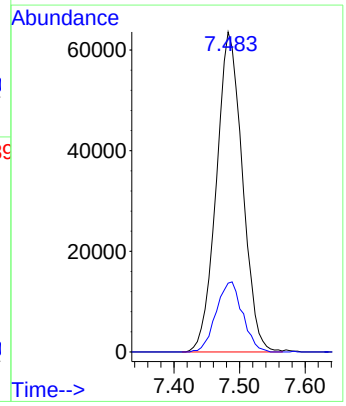


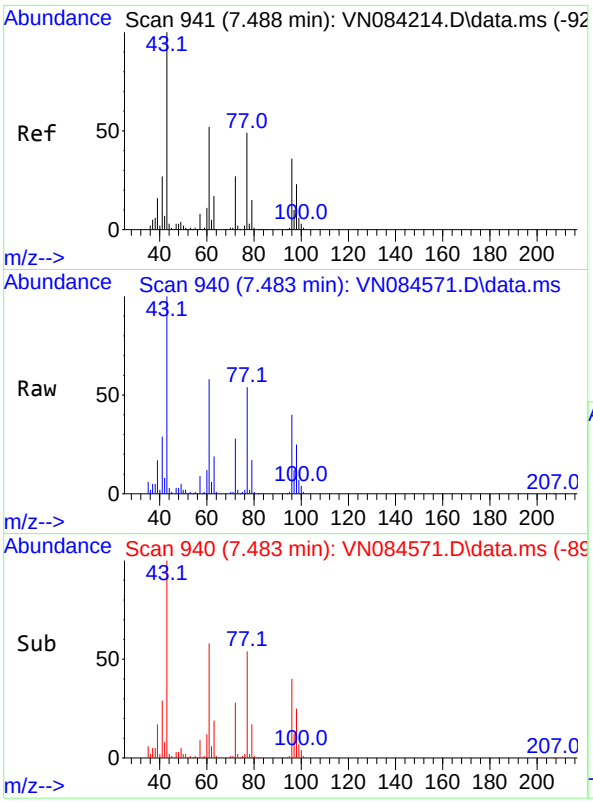


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



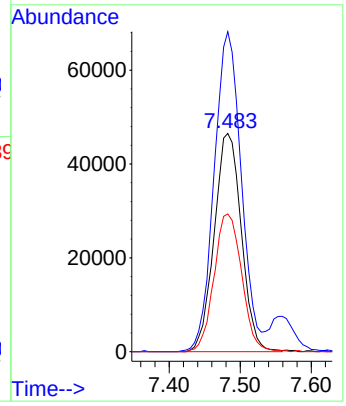


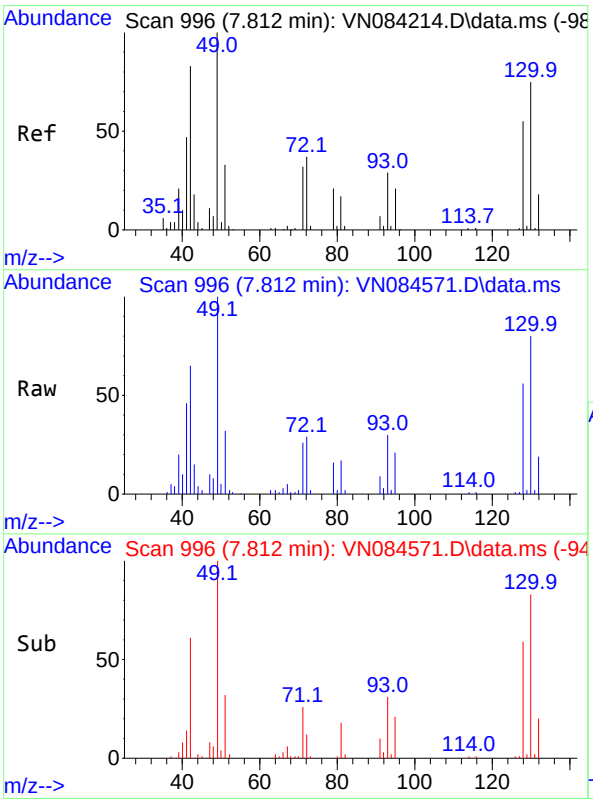
#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 123436

Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	301.8
98	64.3	0.0	128.2

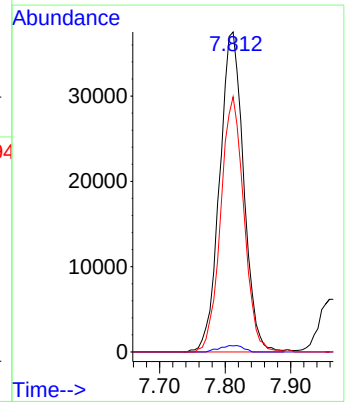


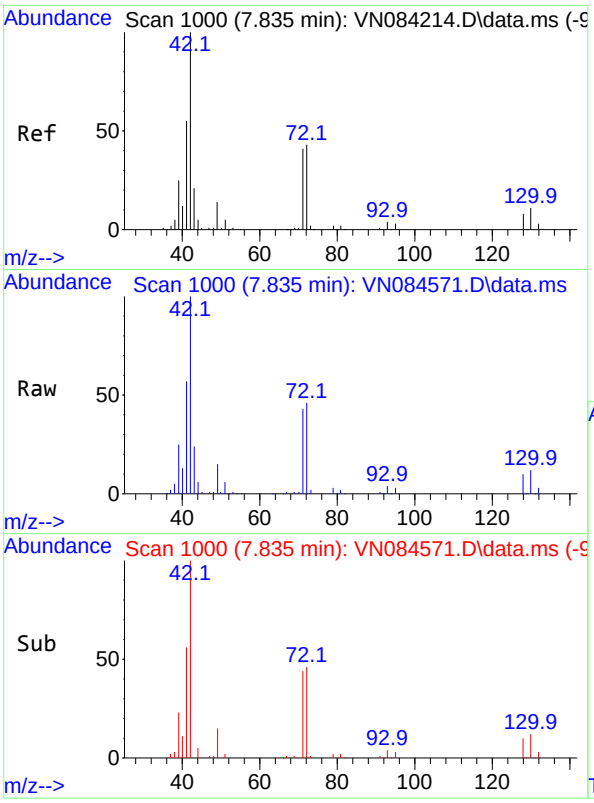


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 49 Resp: 95269

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	76.9	58.0	87.0



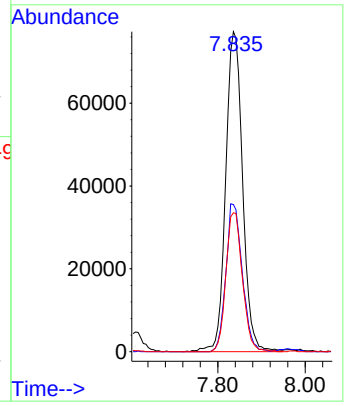


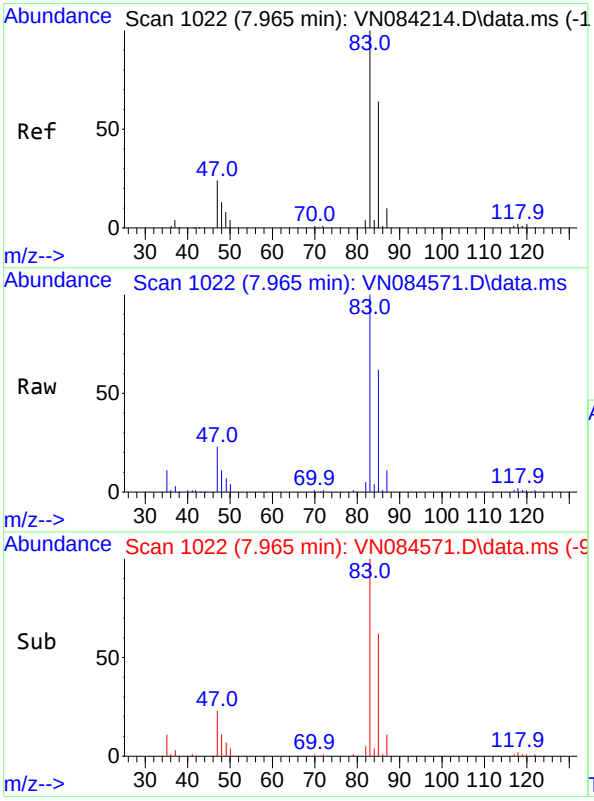
#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 206980

Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	42.3	32.2	48.4

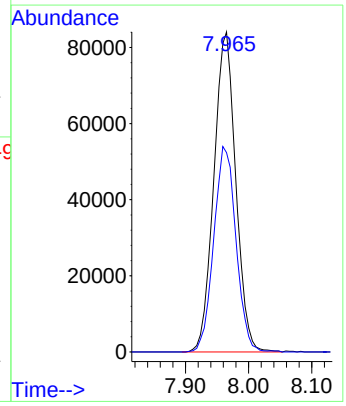


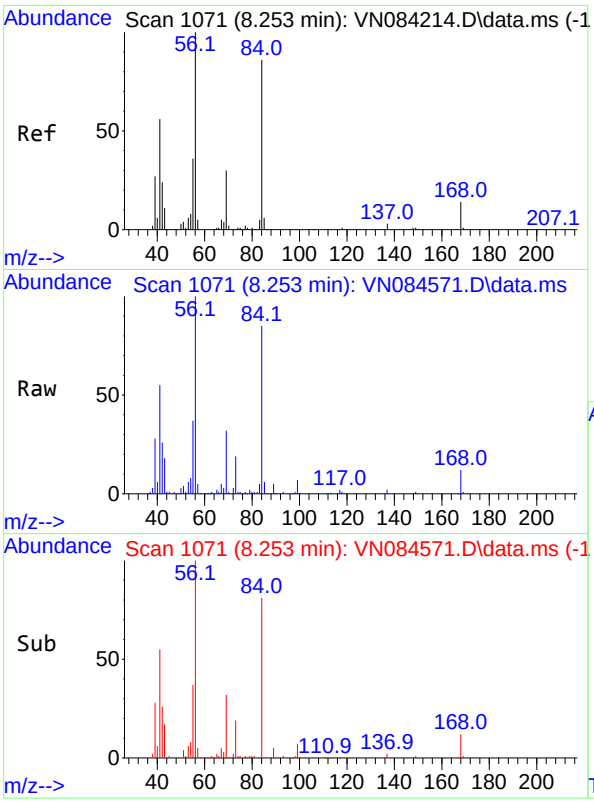


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4



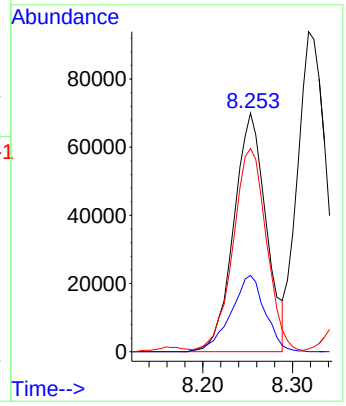


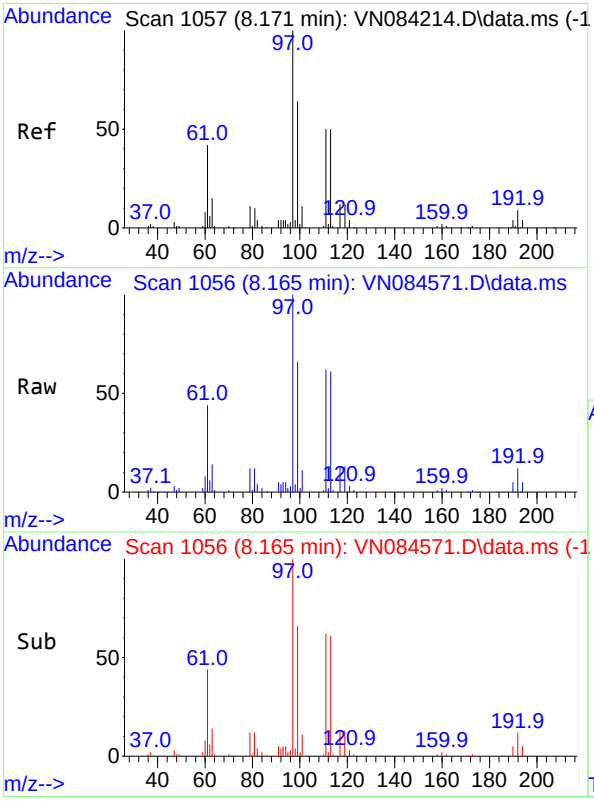
#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 175038

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	83.9	68.8	103.2

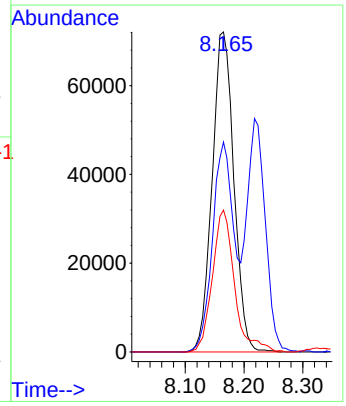


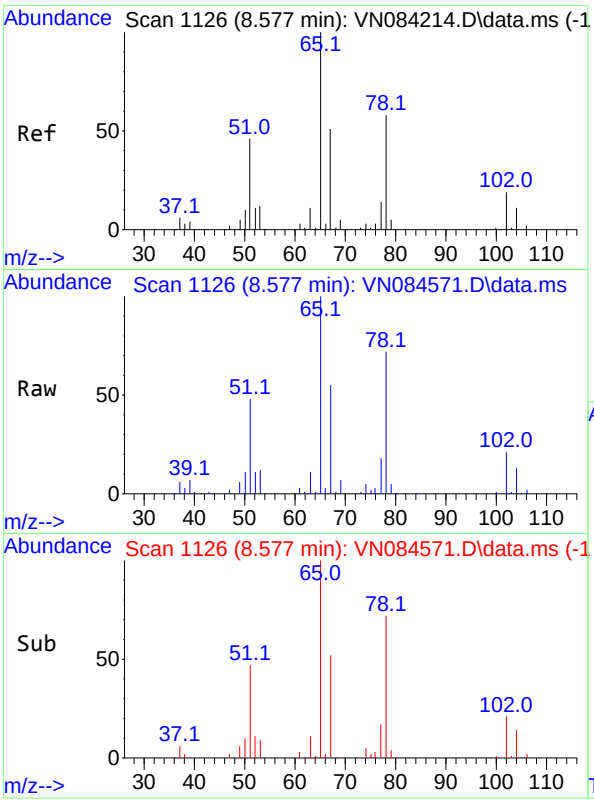


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 184986

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	45.2	37.5	56.3



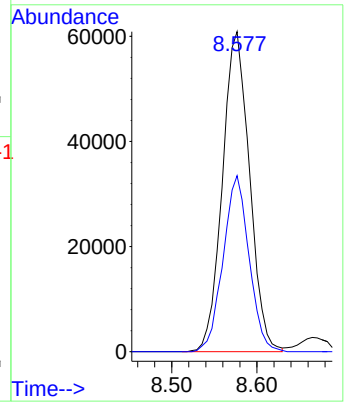


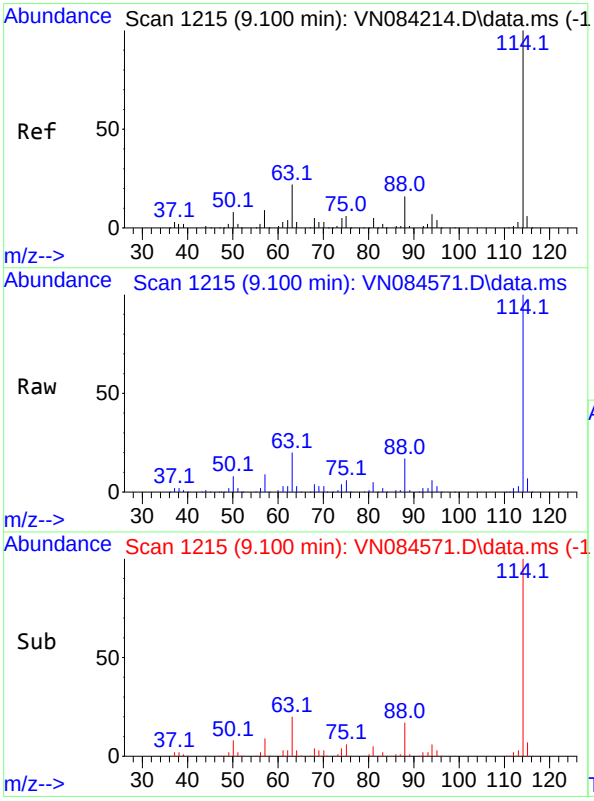
#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 134521

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0

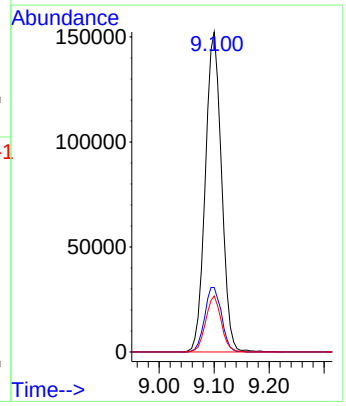


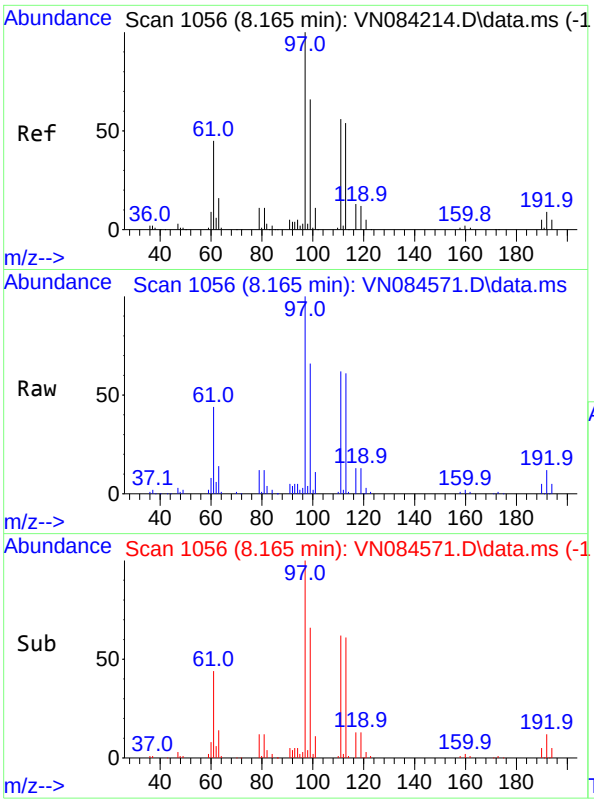


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:114 Resp: 311554

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.5	0.0	31.6



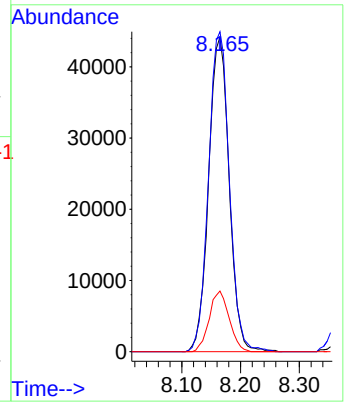


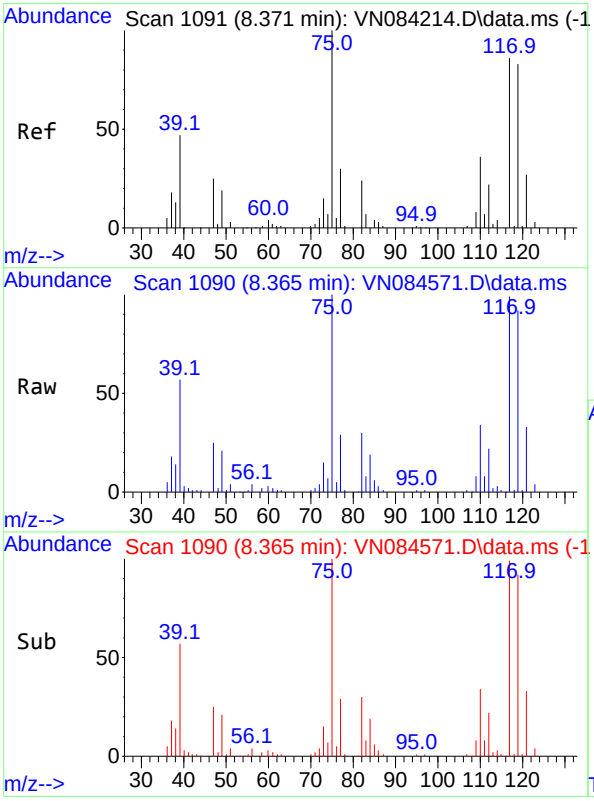
#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 107131

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.7	13.5	20.3

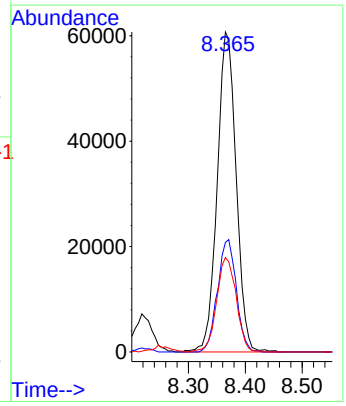


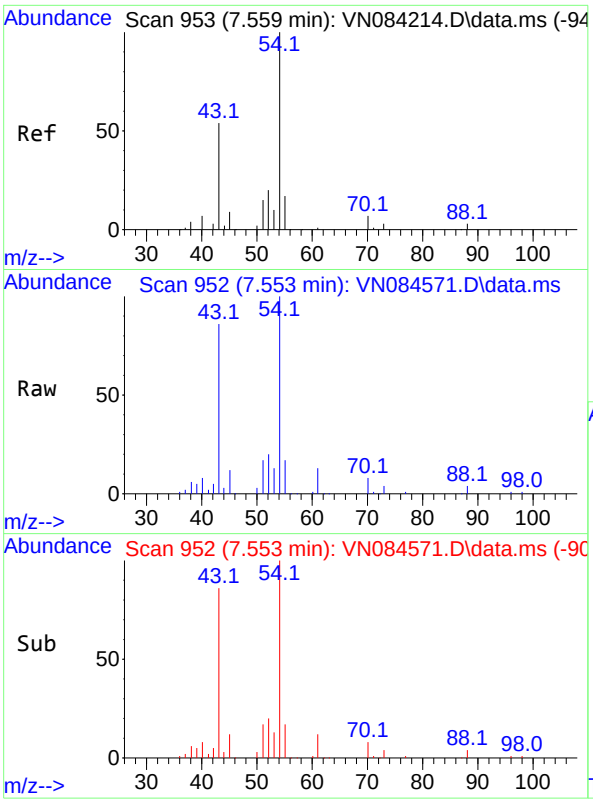


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 140593

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.5	24.7	37.1



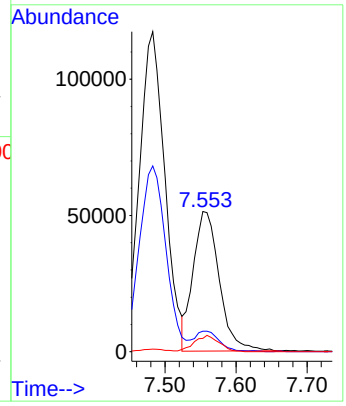


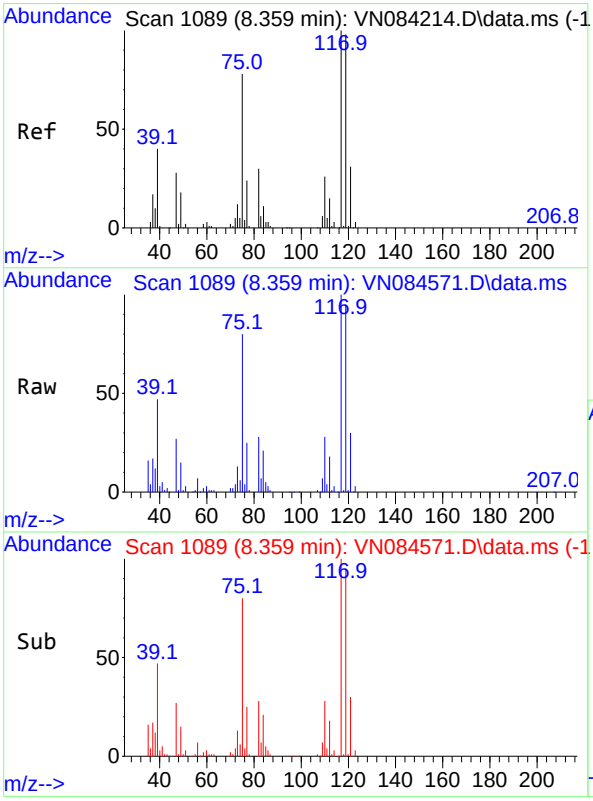
#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 131332

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	11.0	8.8	13.2

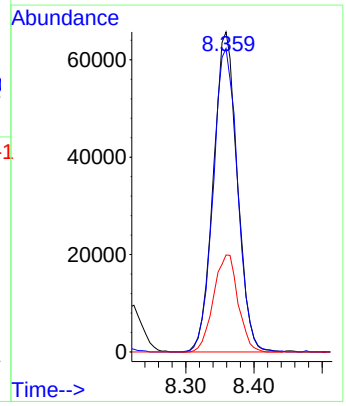


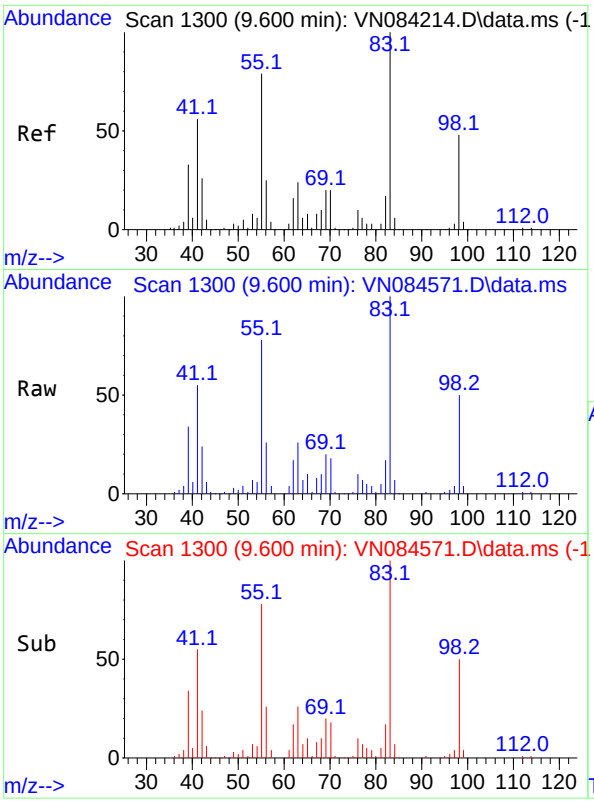


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 160134

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.7	118.1
121	30.3	24.4	36.6



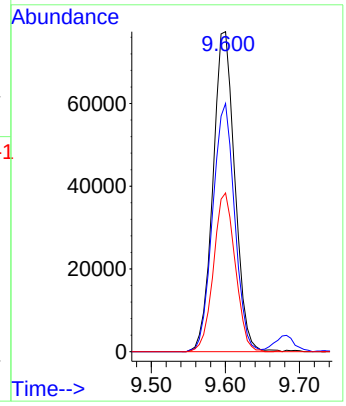


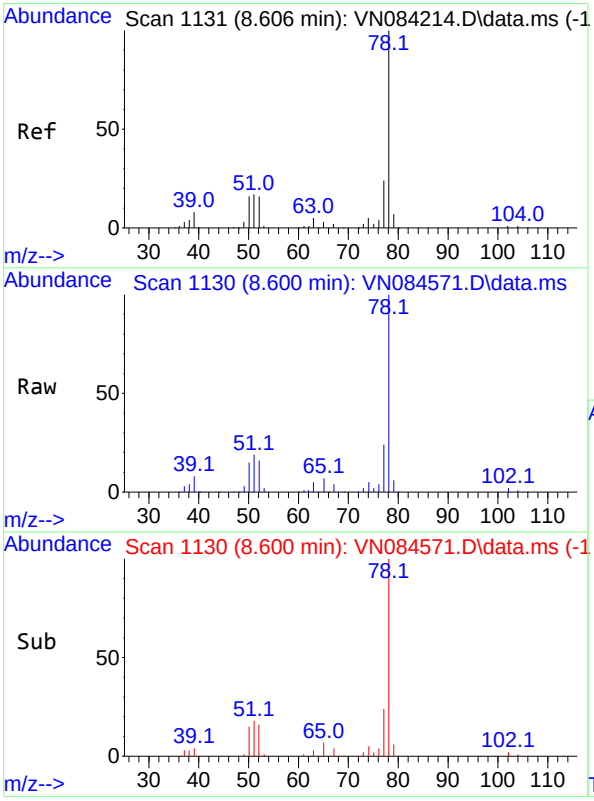
#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 158489

Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	49.6	38.8	58.2

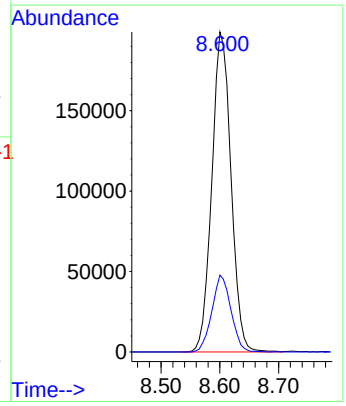


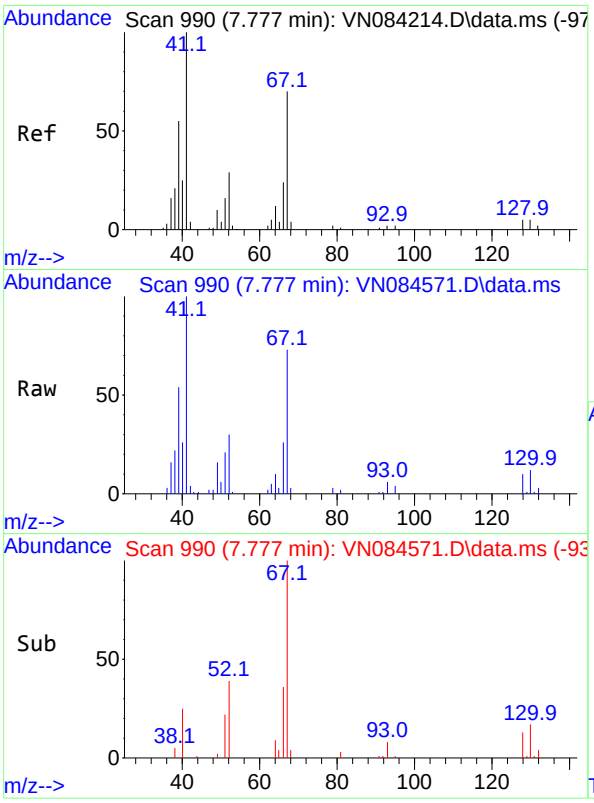


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7



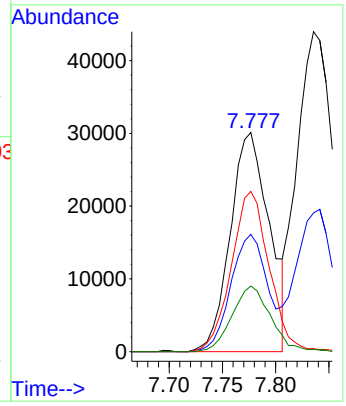


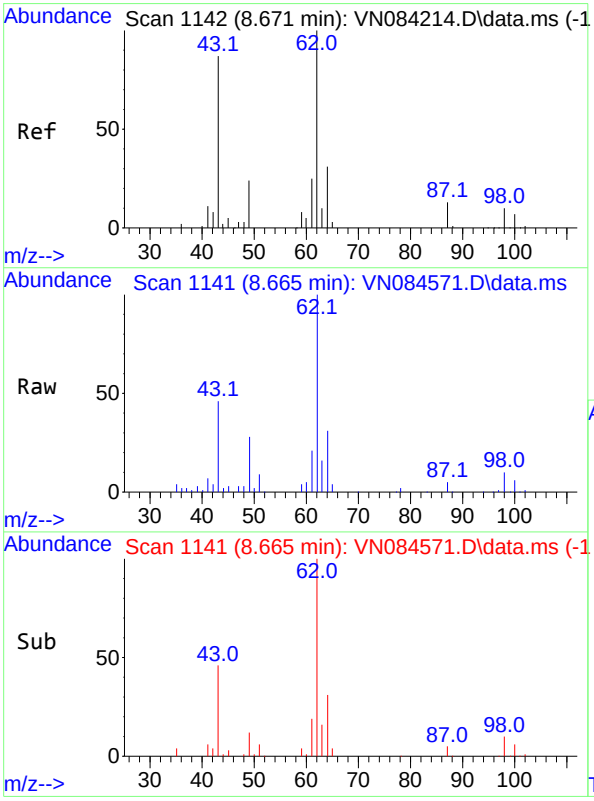
#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 76791

Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.3	64.9
67	71.0	56.1	84.1
52	29.6	24.5	36.7

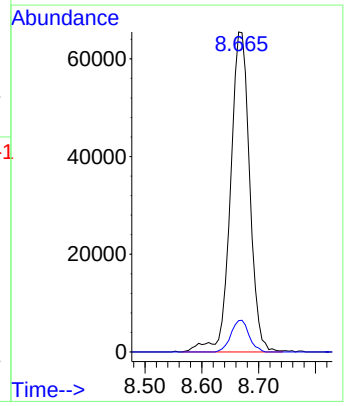


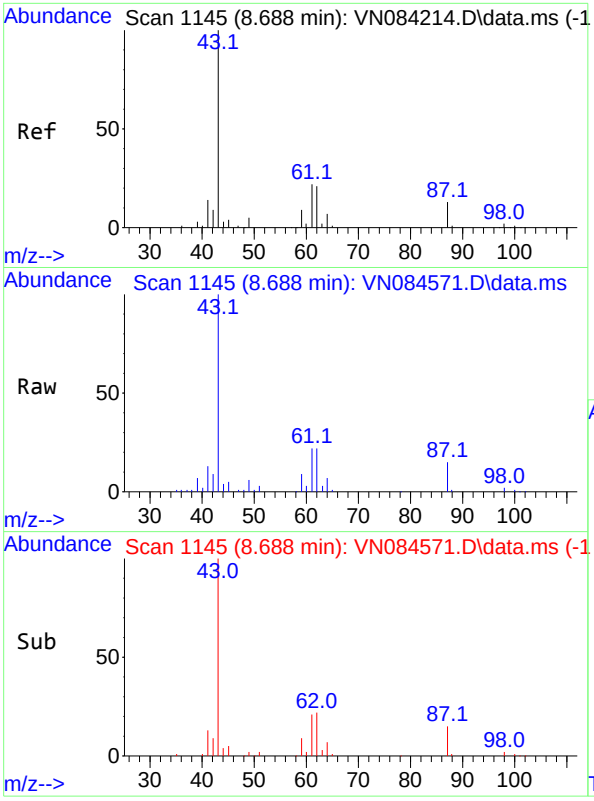


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



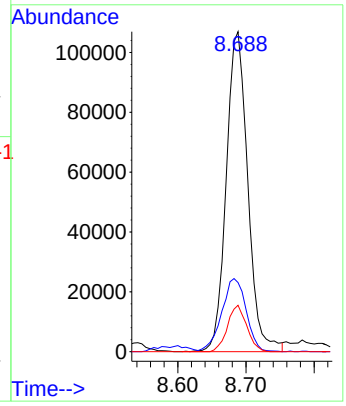


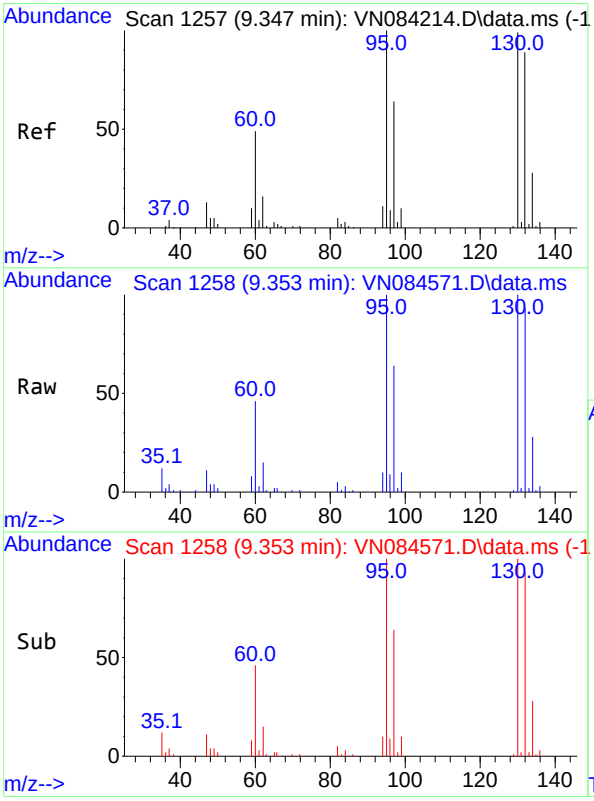
#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 235517

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5

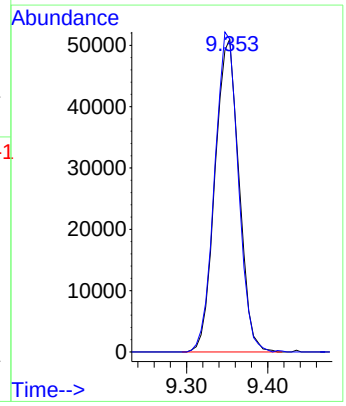


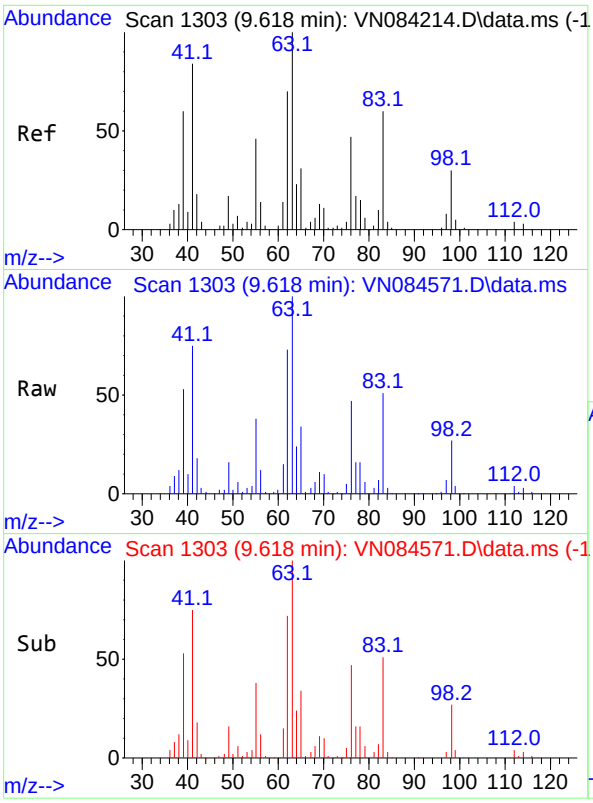


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0



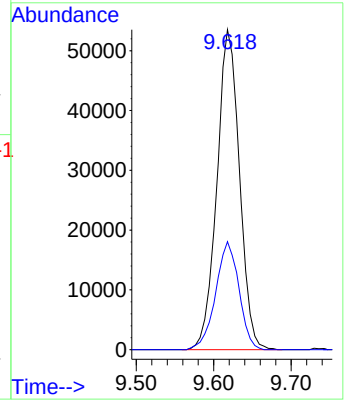


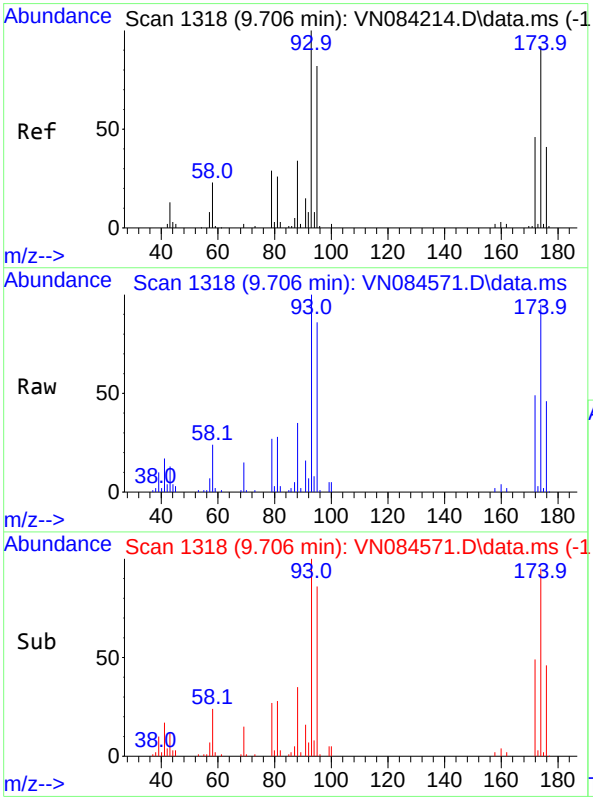
#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 108302

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0

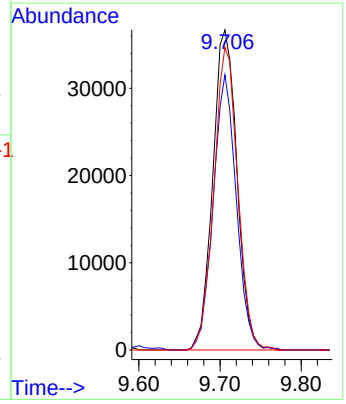


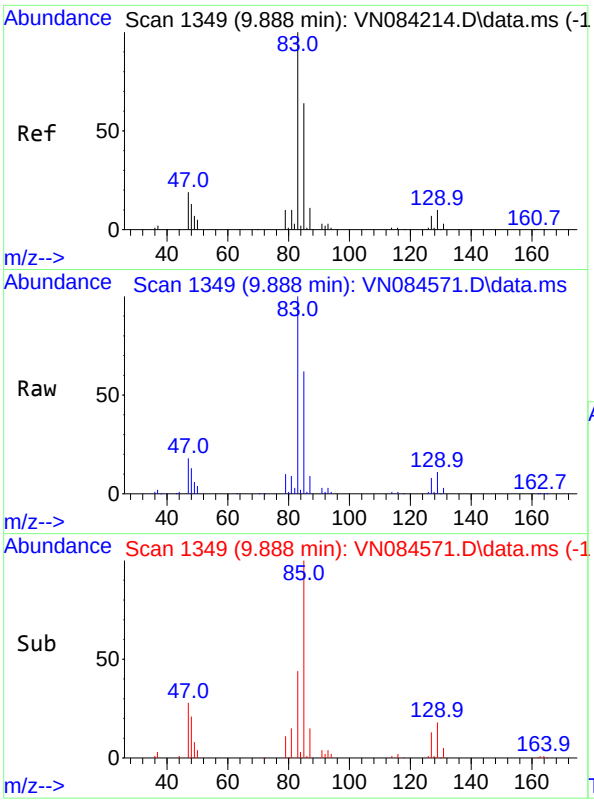


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 93 Resp: 76019

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.4
174	93.3	71.8	107.8



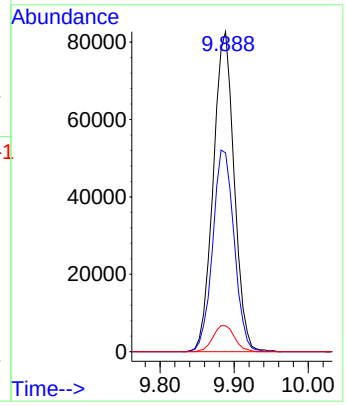


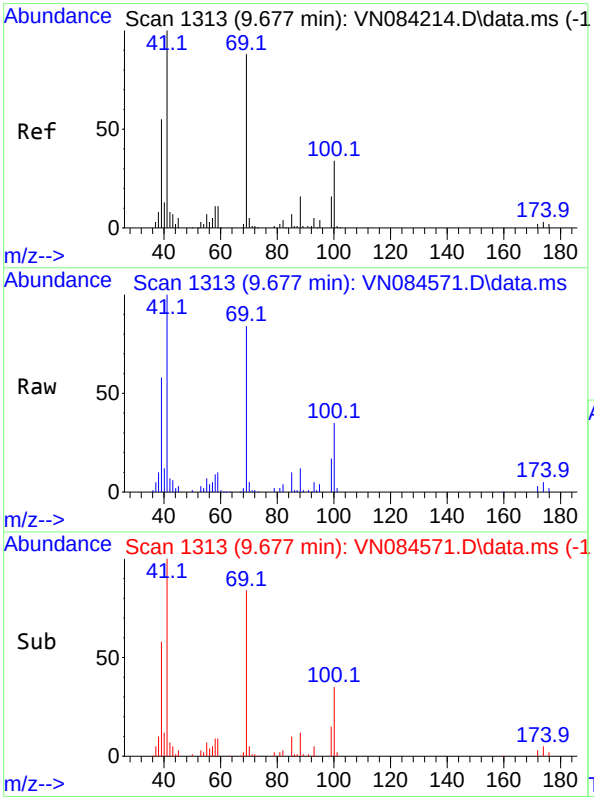
#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 162307

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	8.1	5.7	8.5

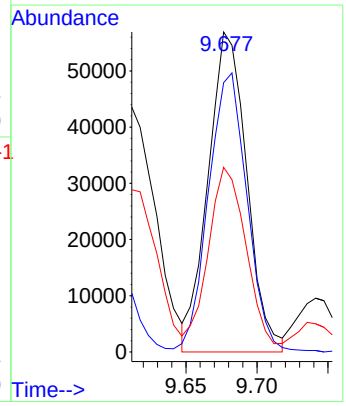


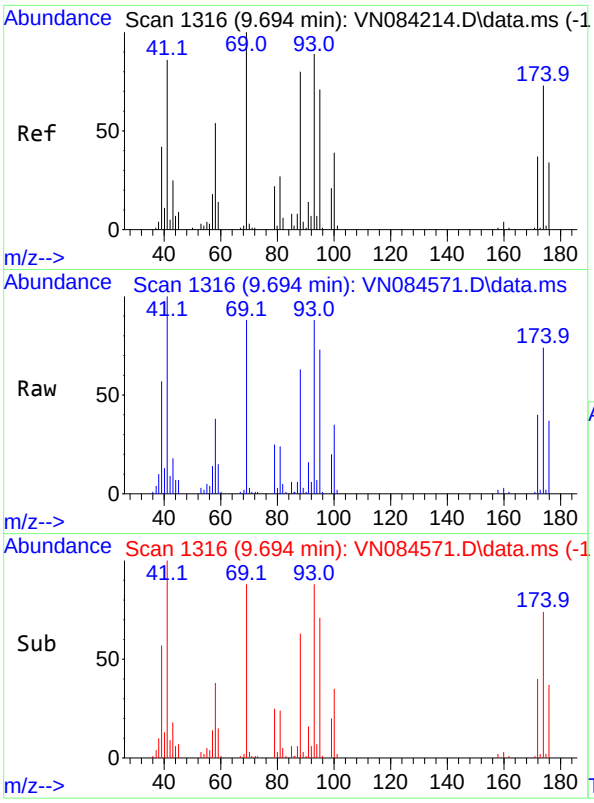


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 107828

Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.1	100.7
39	57.5	45.8	68.6



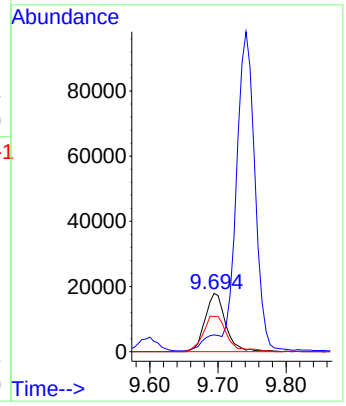


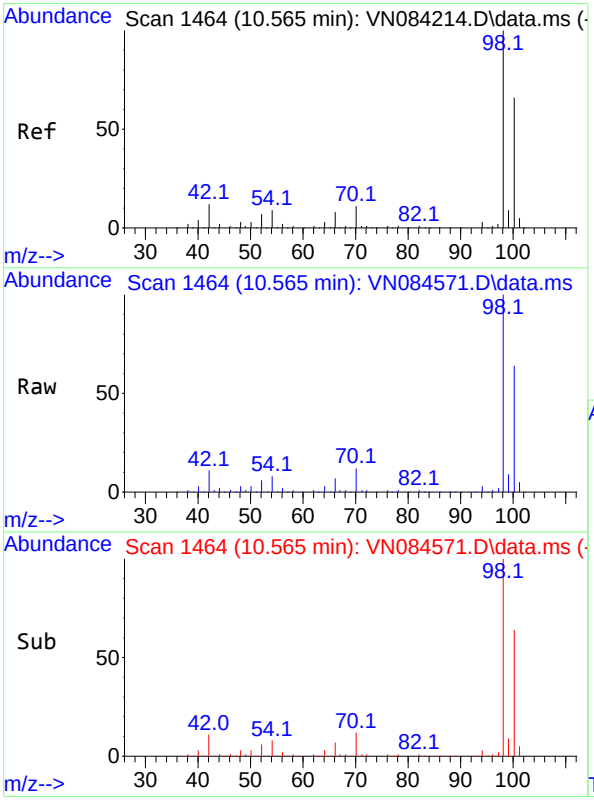
#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 37719

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.5	56.4	84.6

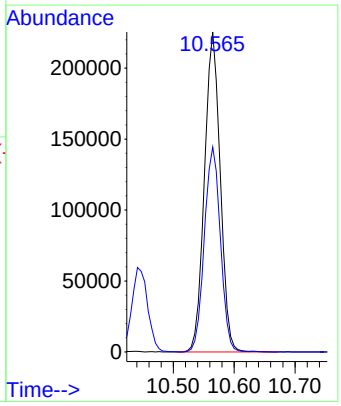


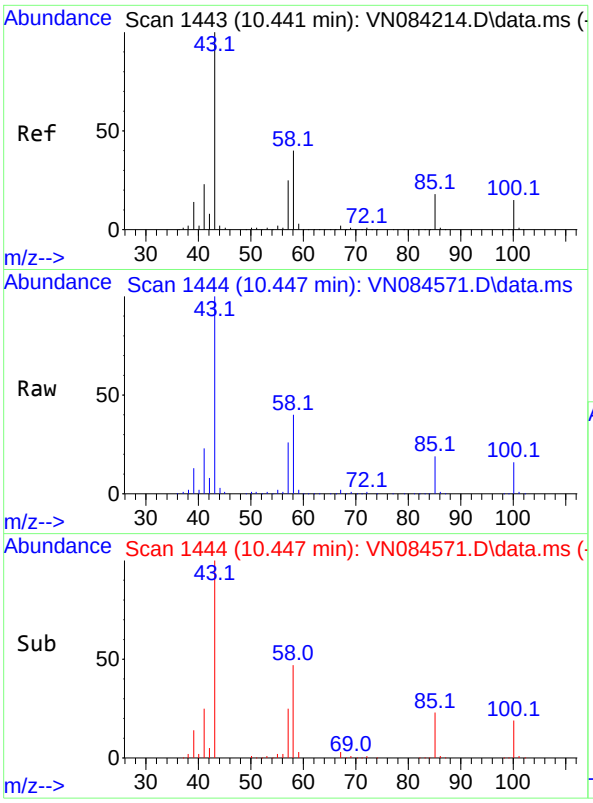


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



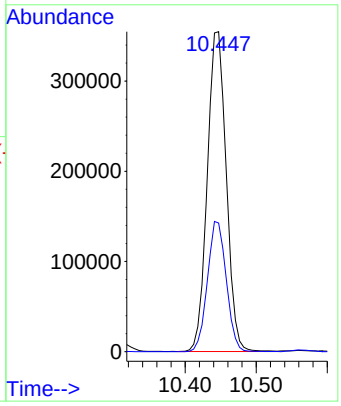


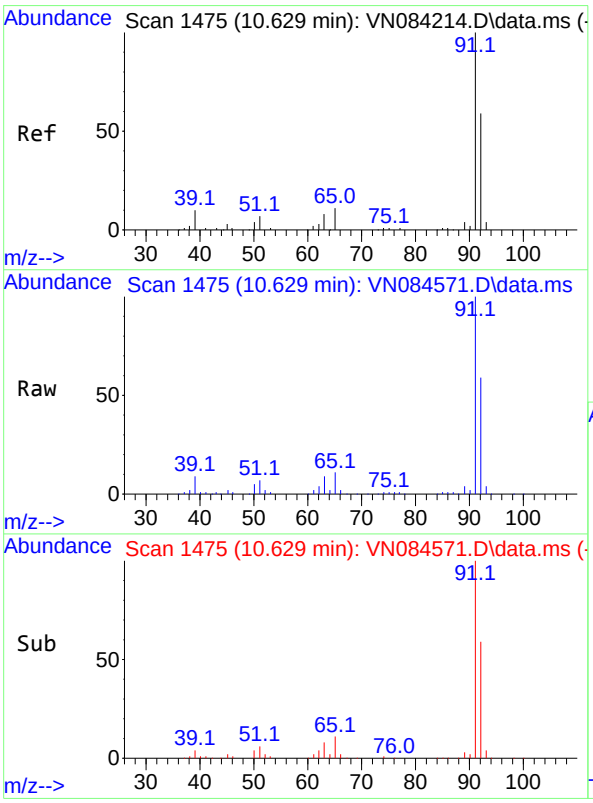
#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 658351

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

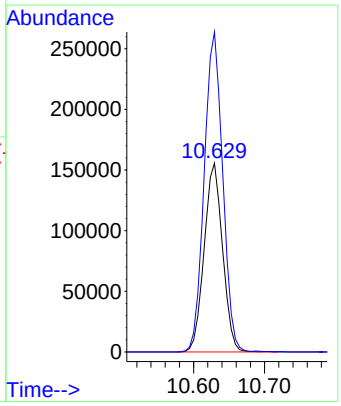


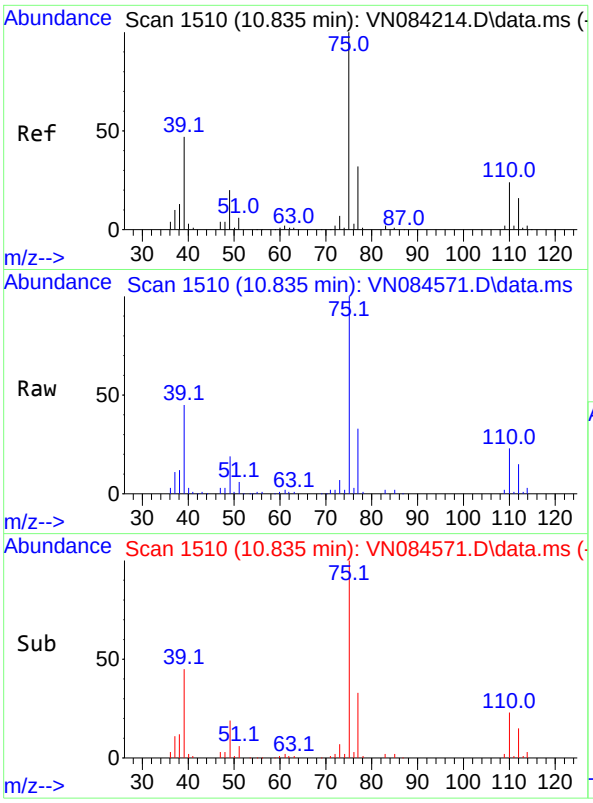


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9



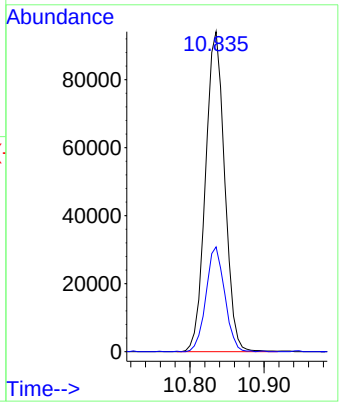


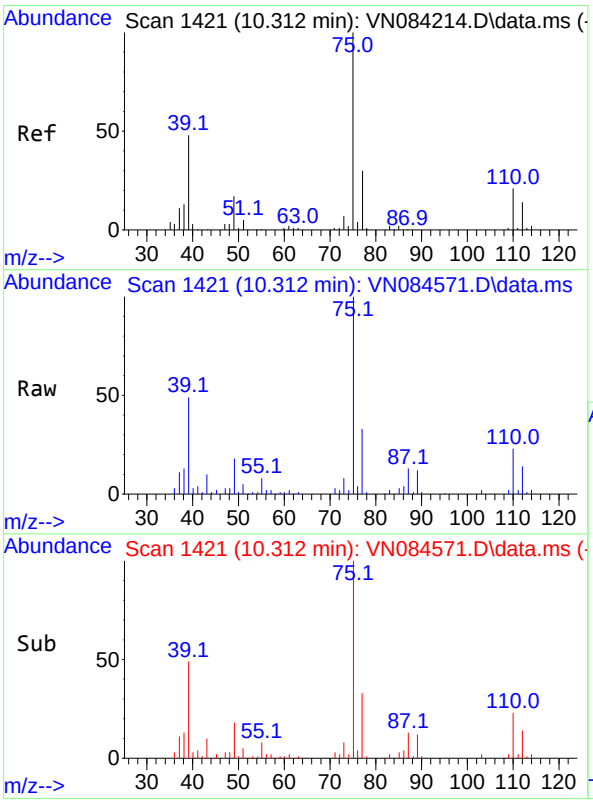
#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 169085

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

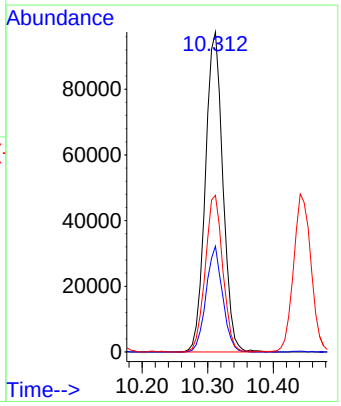


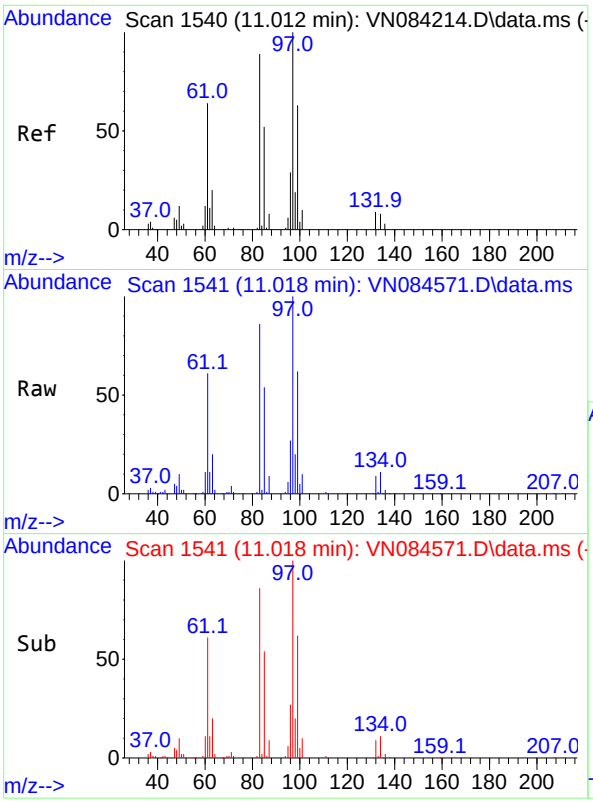


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 180909

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.2	36.2
39	48.9	38.7	58.1



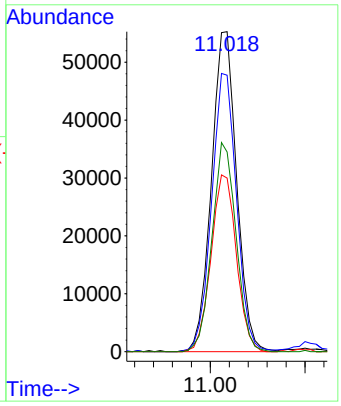


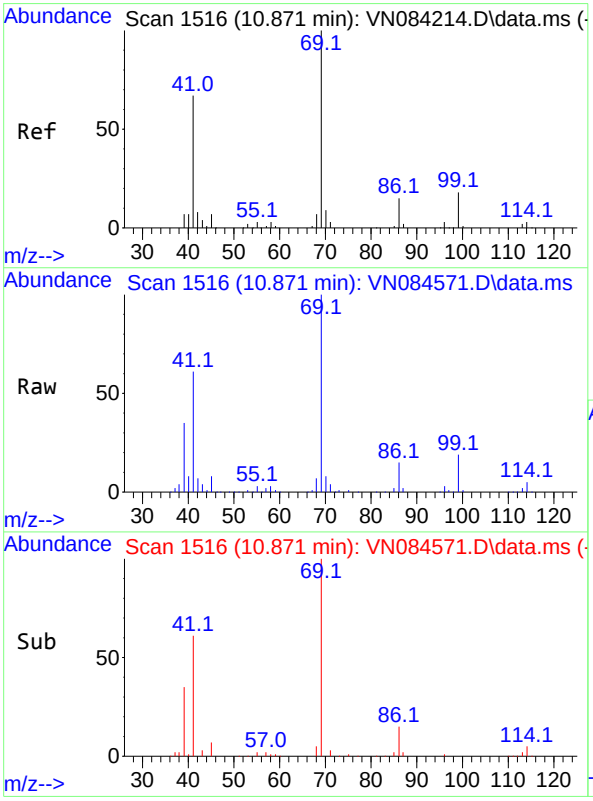
#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 102401

Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	54.2	41.7	62.5
99	62.4	50.1	75.1

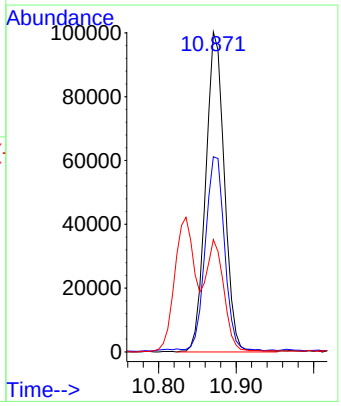


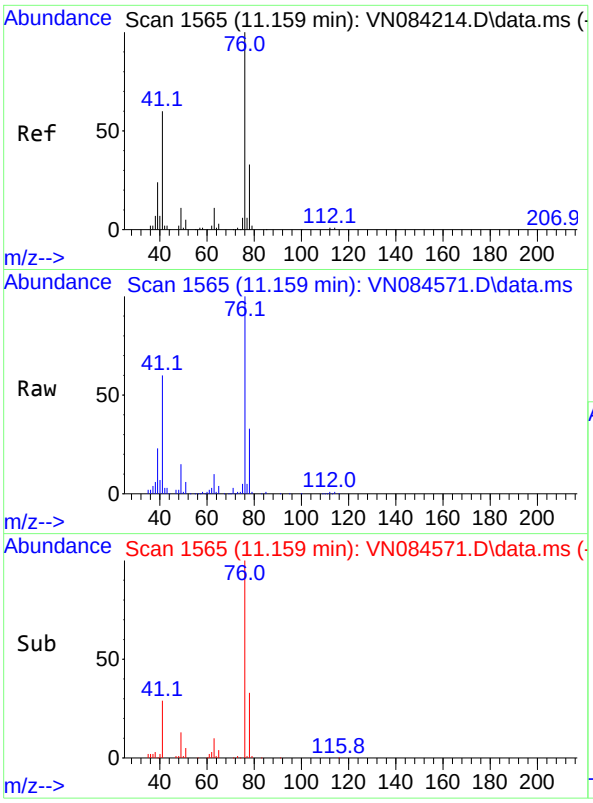


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 69 Resp: 168060

Ion	Ratio	Lower	Upper
69	100		
41	63.8	53.3	79.9
39	33.4	28.8	43.2



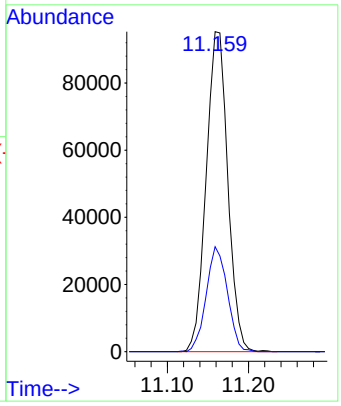


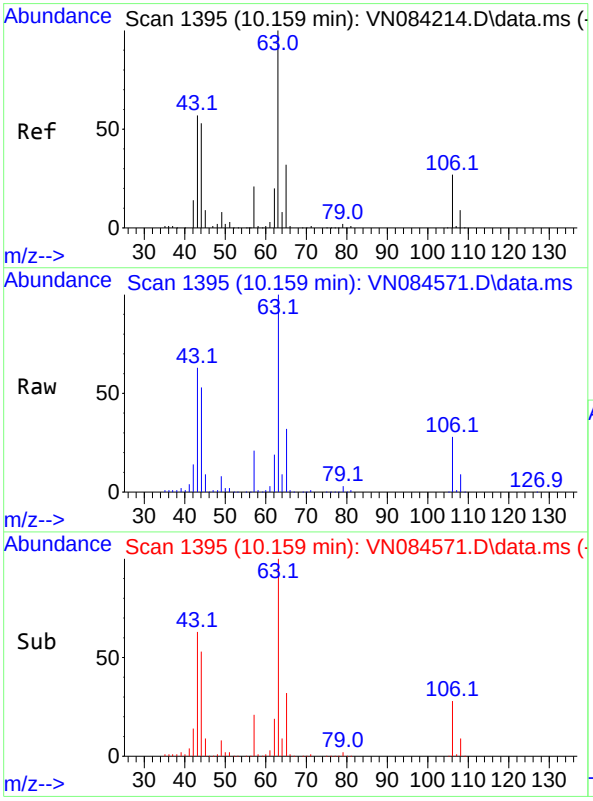
#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 175929

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

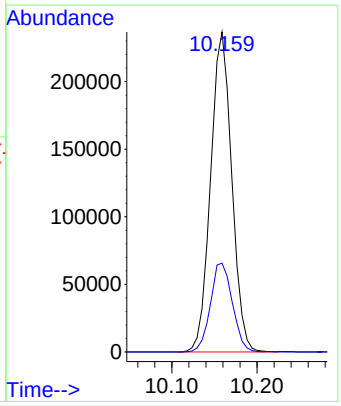


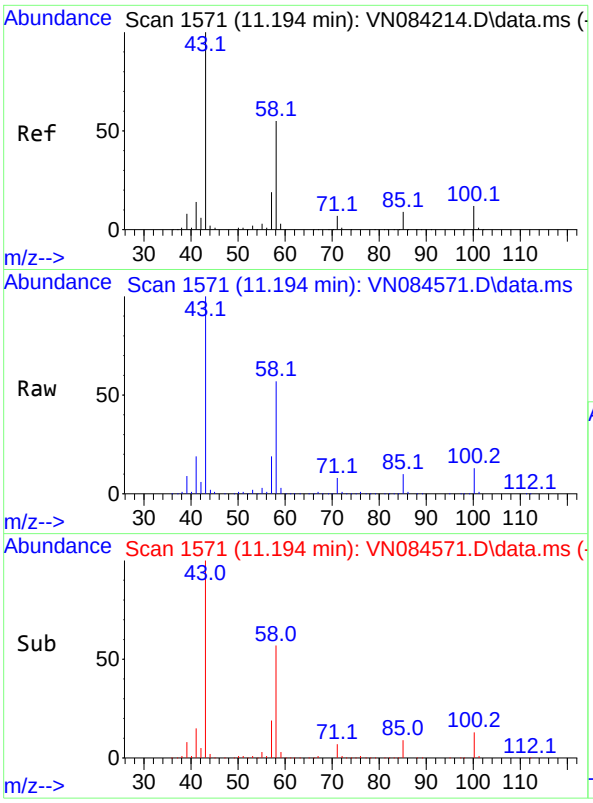


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



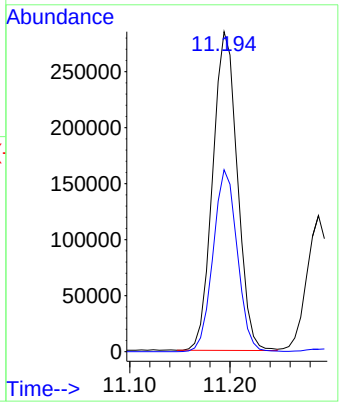


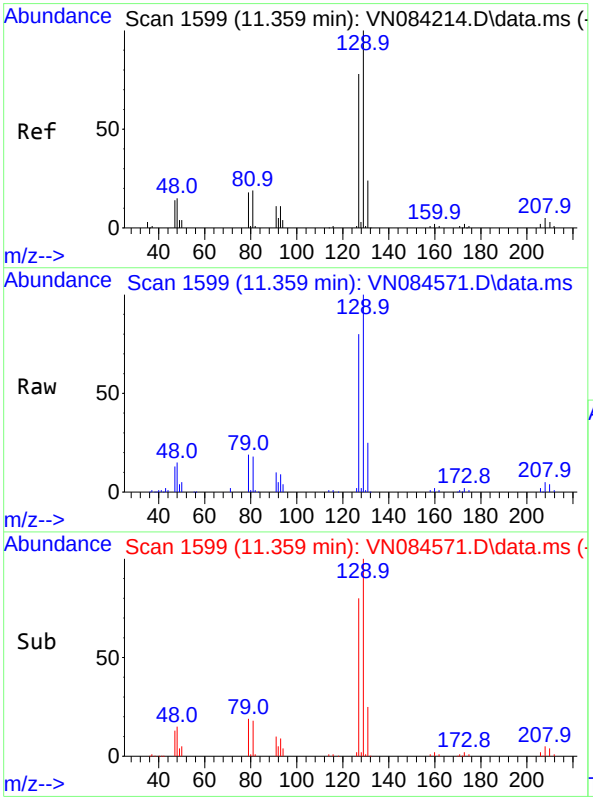
#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 485391

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8

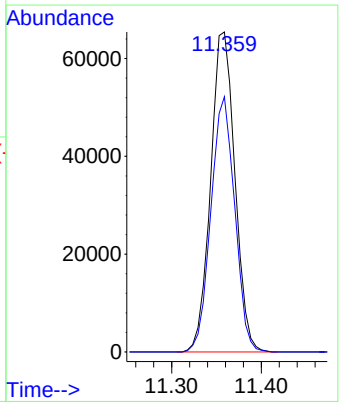


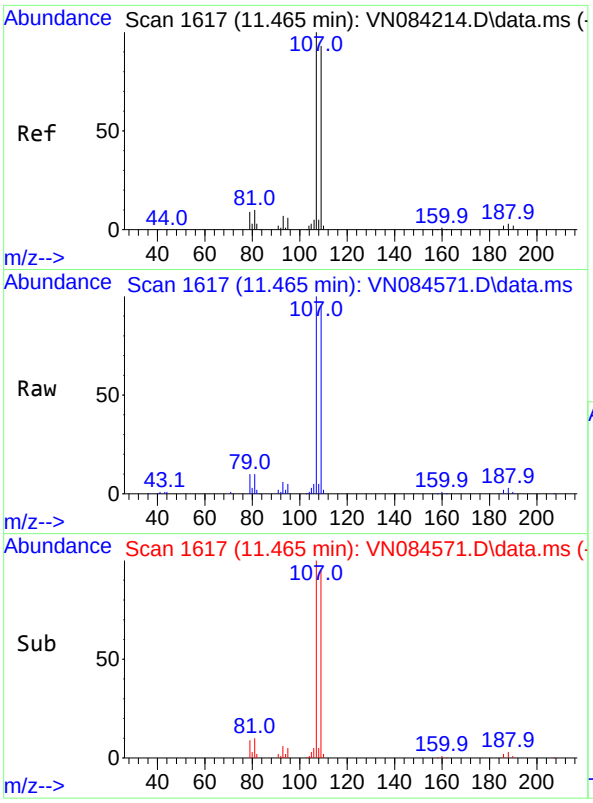


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9



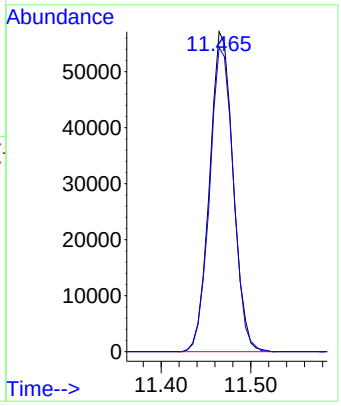


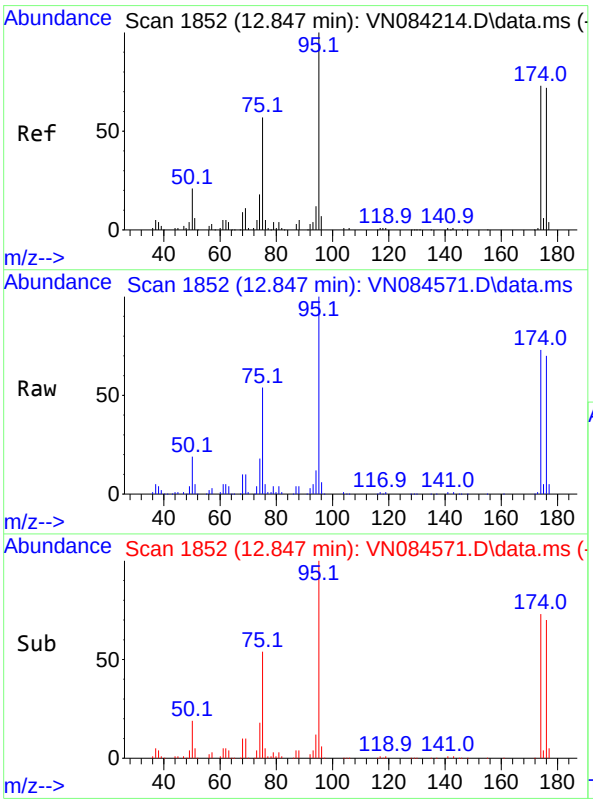
#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 103901

Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0

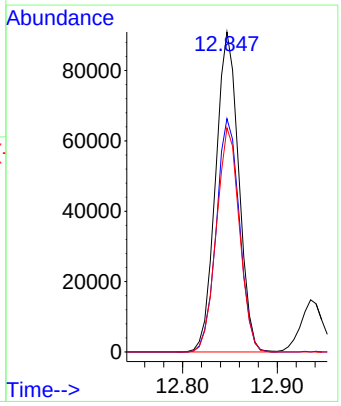


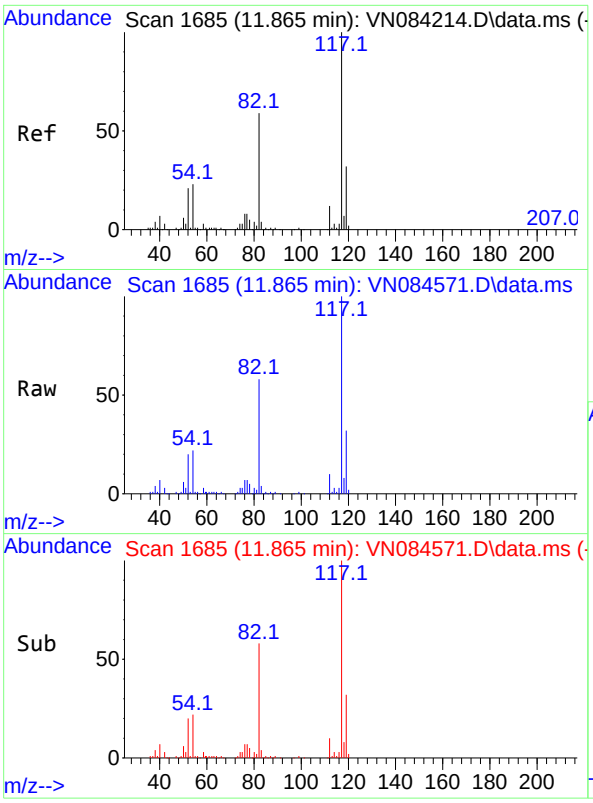


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 95 Resp: 153622

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	145.2
176	70.0	0.0	140.0



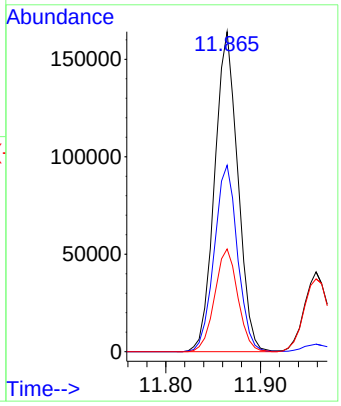


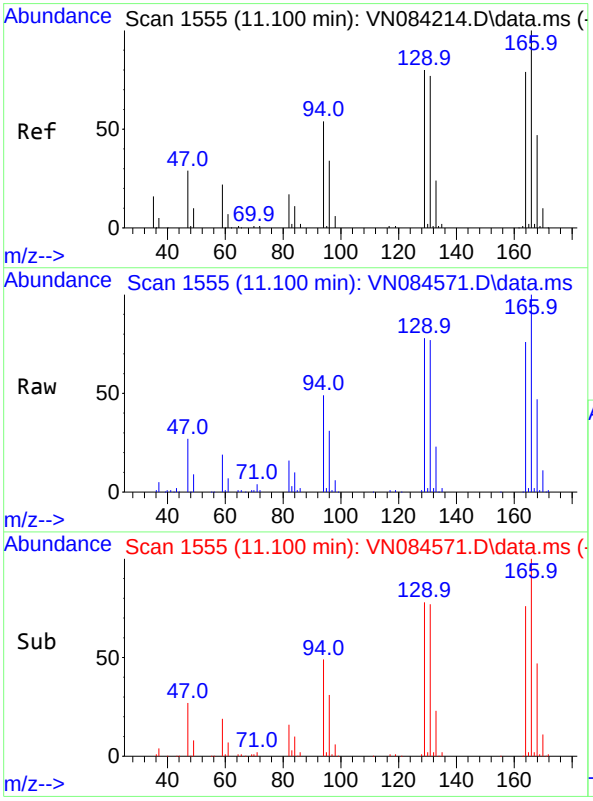
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 279228

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.1	25.4	38.0

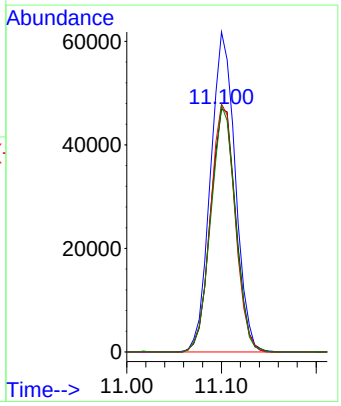


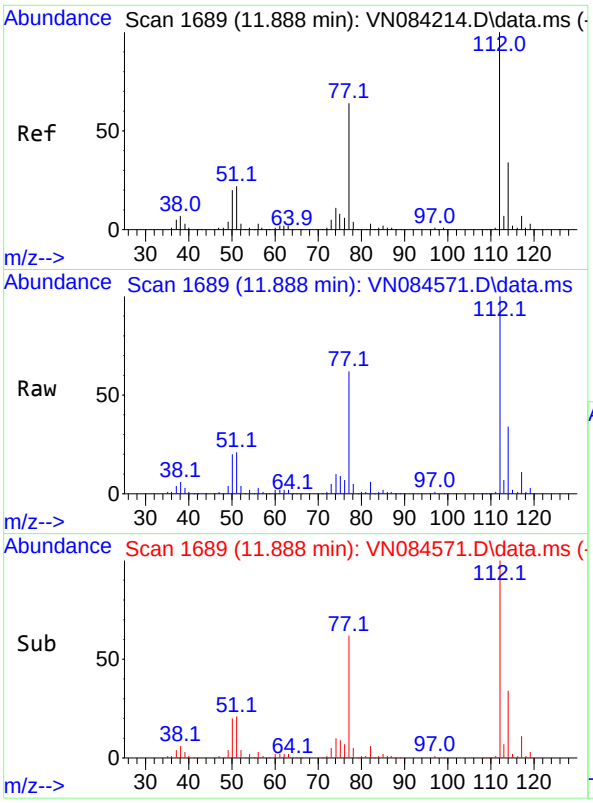


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:164 Resp: 87457

Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.4
129	102.2	80.8	121.2
131	101.6	78.1	117.1



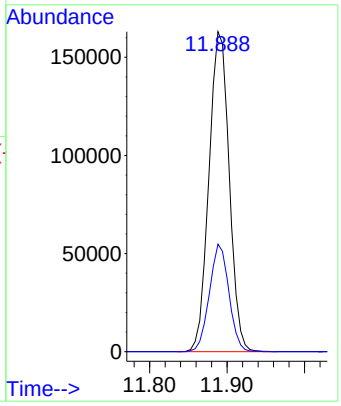


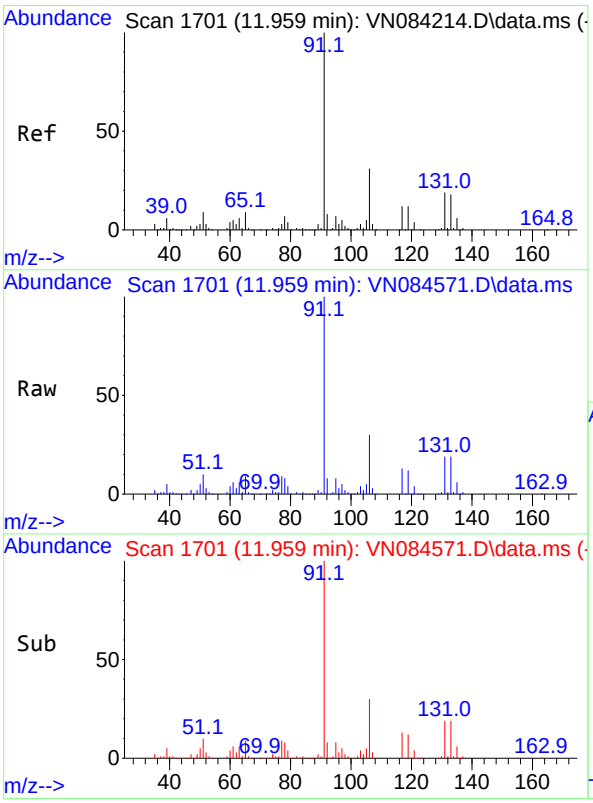
#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 296199

Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6

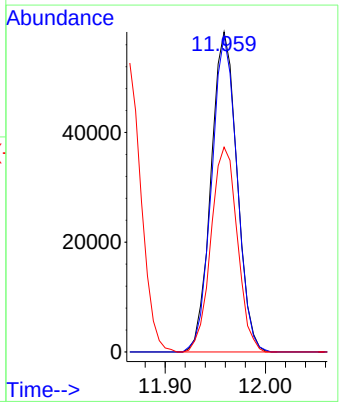


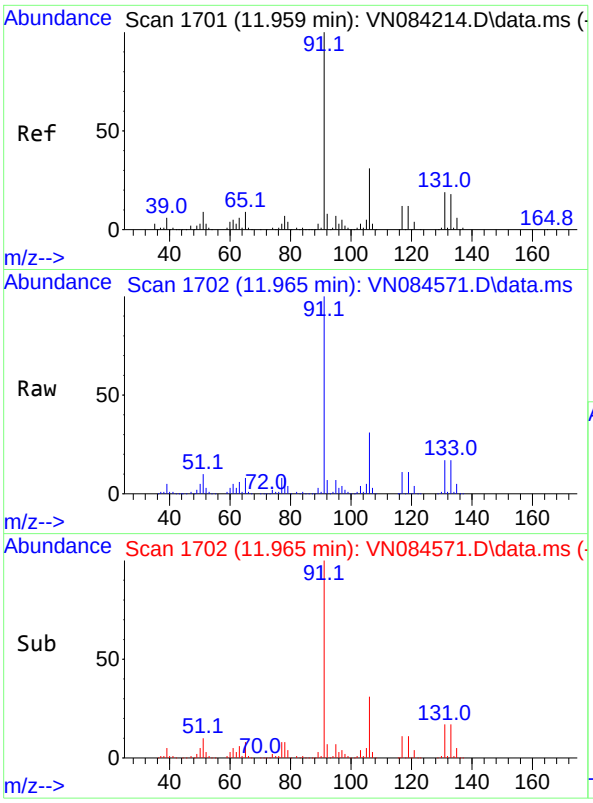


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:131 Resp: 104844

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.9	143.7
119	65.0	32.8	98.3



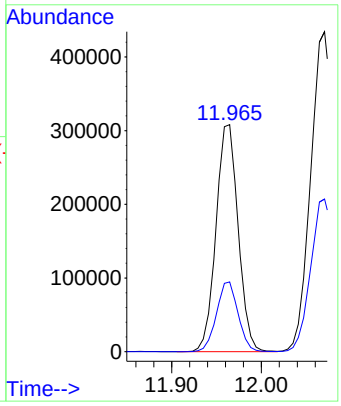


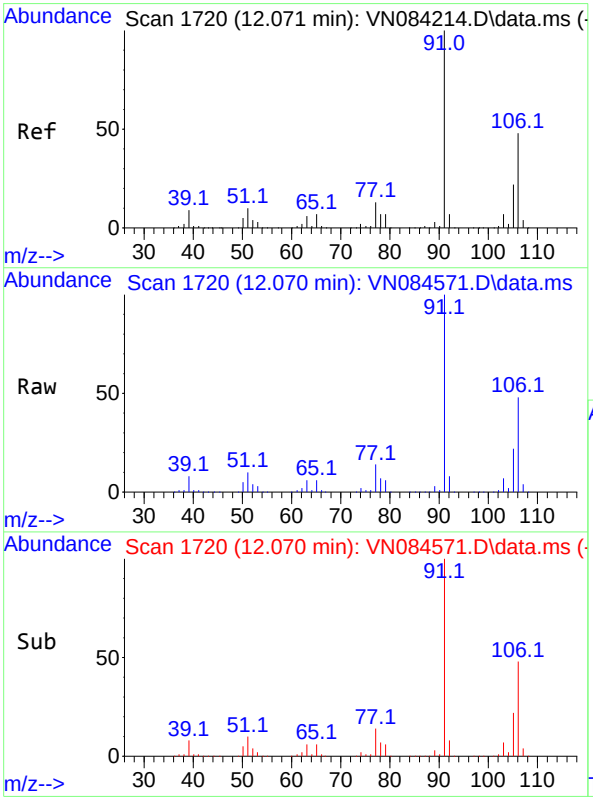
#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 528107

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

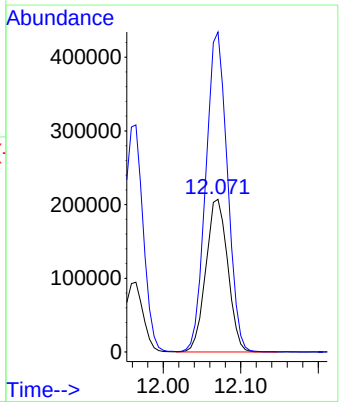


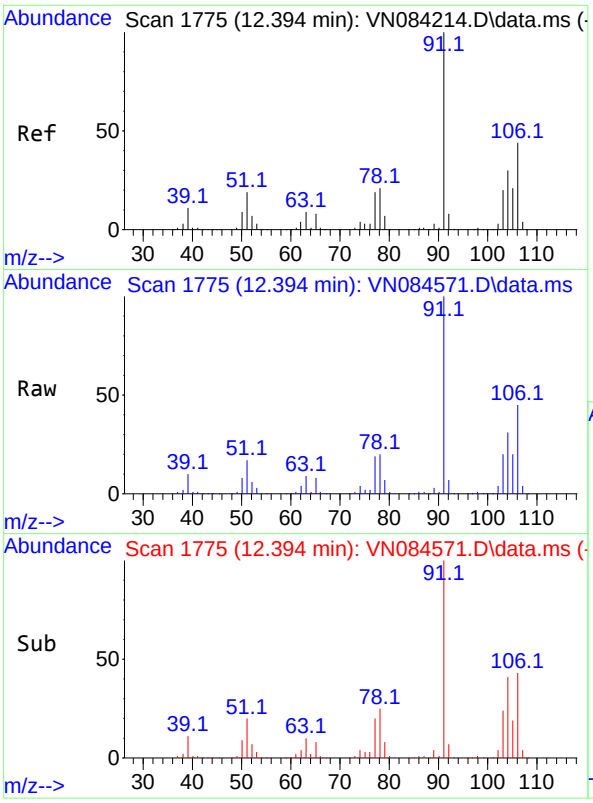


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 406816

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



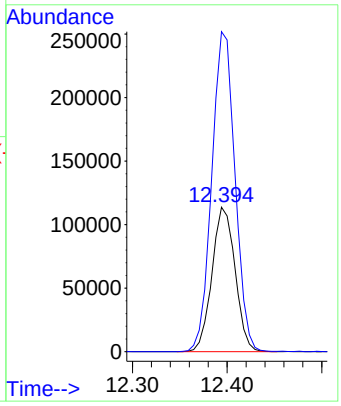


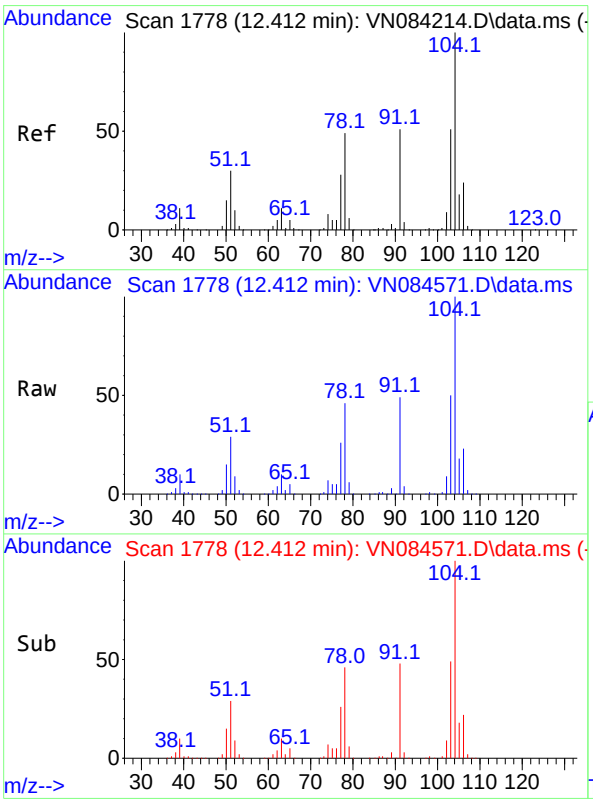
#69
o-Xylene
Concen: 52.183 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 192710

Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6

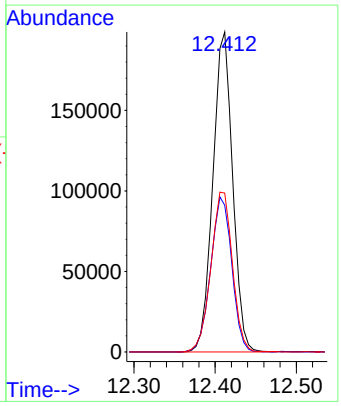


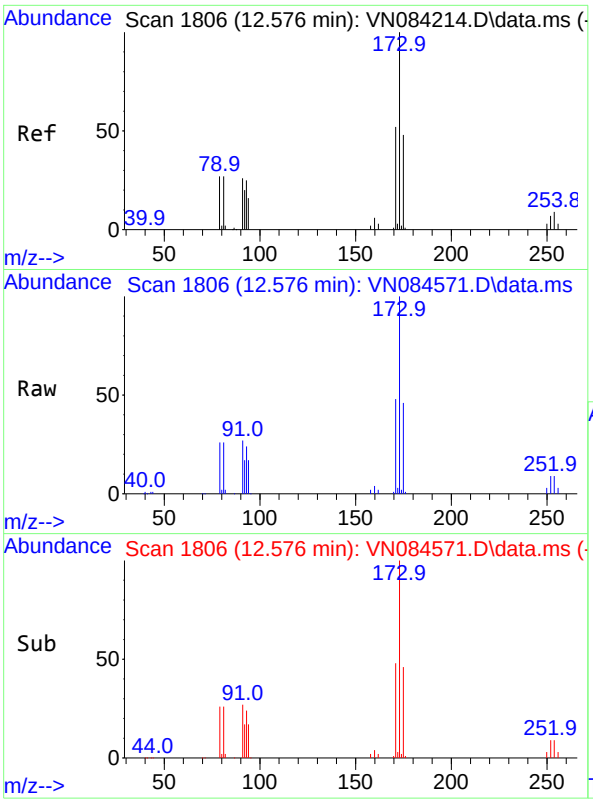


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:104 Resp: 336570

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.4	43.6	65.4



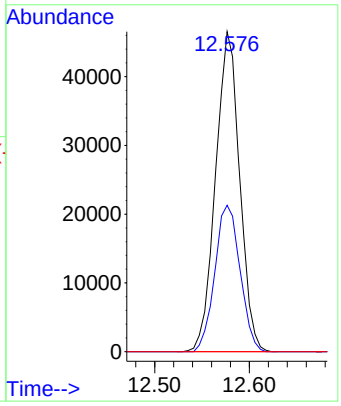


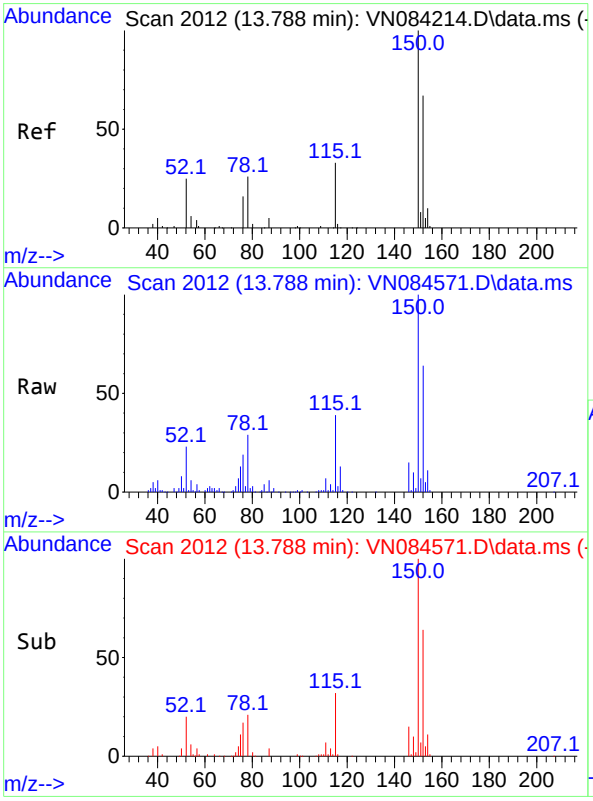
#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 82245

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0

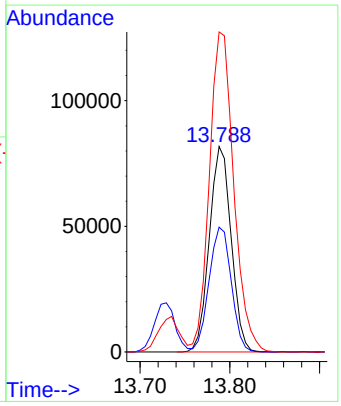


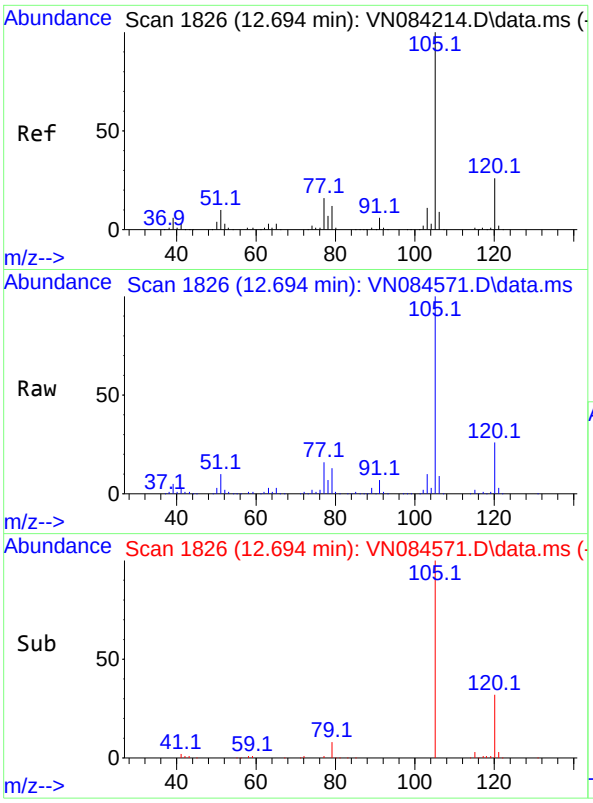


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:152 Resp: 138307

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	173.8	0.0	349.8



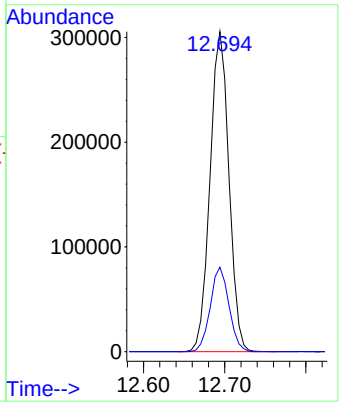


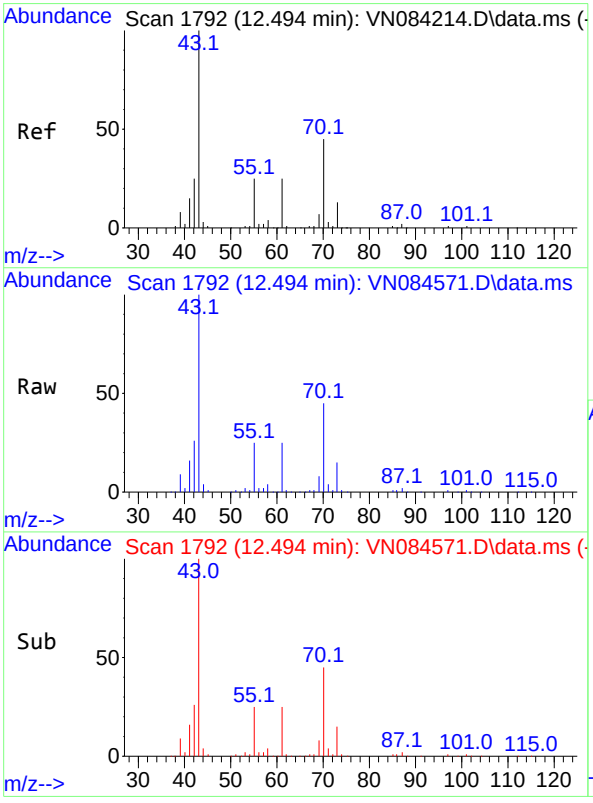
#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 493742

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

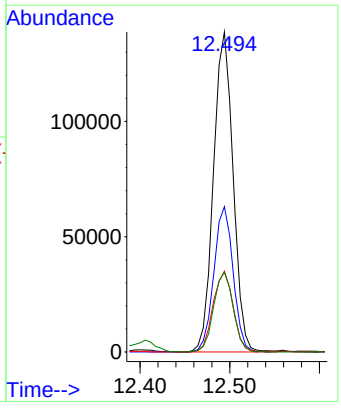


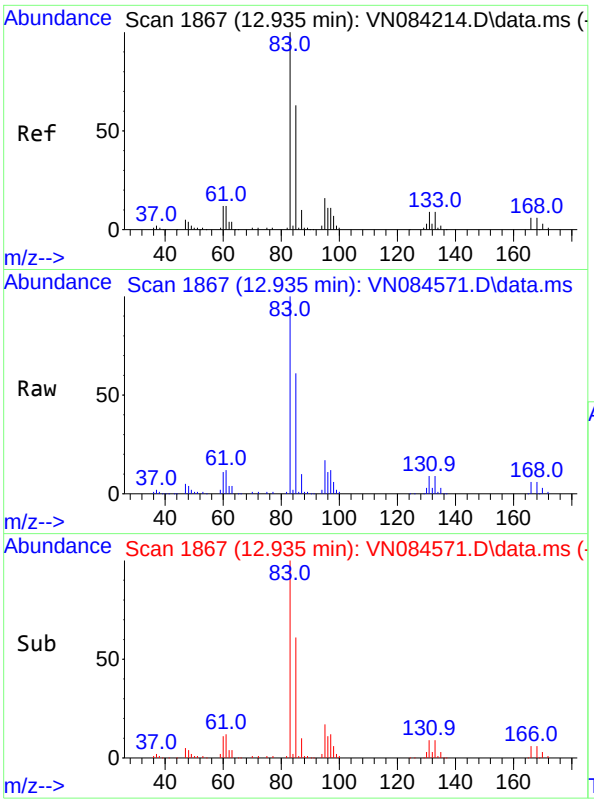


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 211326

Ion	Ratio	Lower	Upper
43	100		
70	44.6	34.4	51.6
55	25.9	19.6	29.4
61	24.8	19.6	29.4



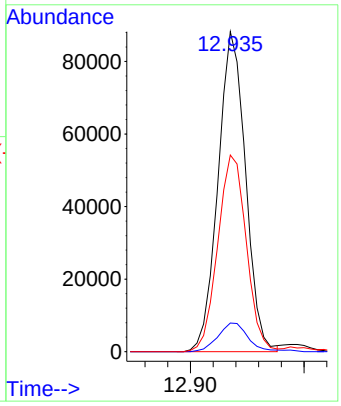


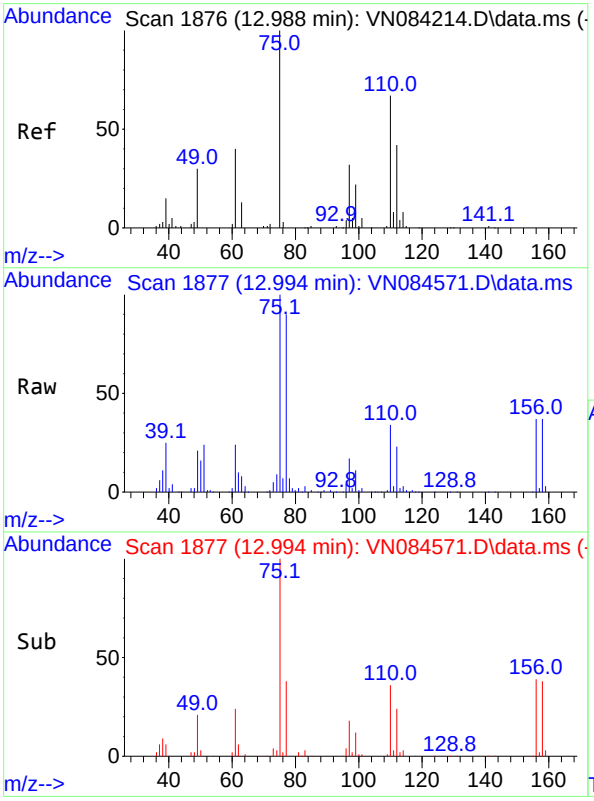
#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 148441

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7

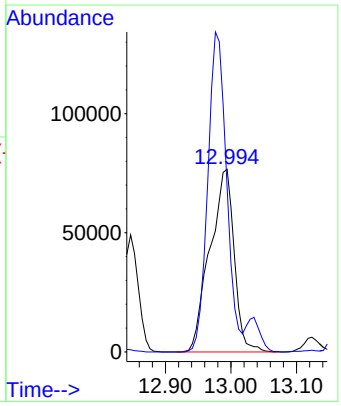


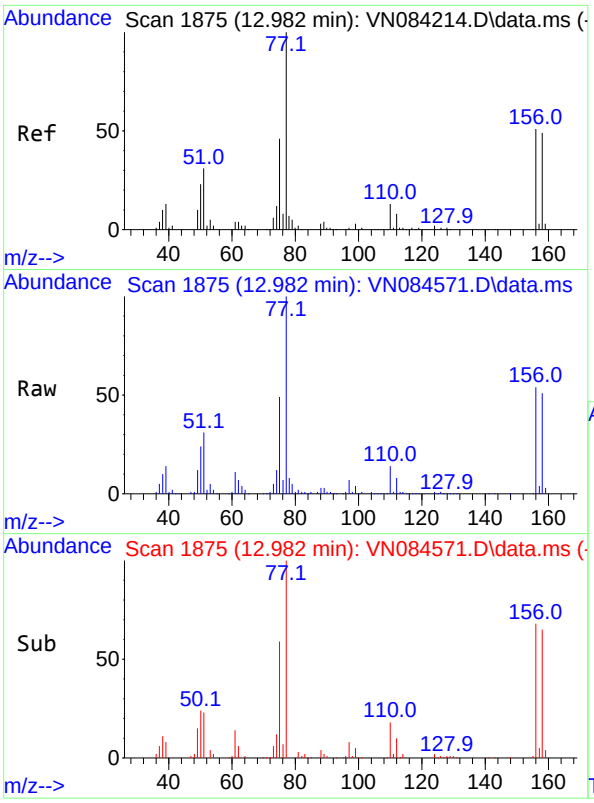


#76
1,2,3-Trichloropropane
Concen: 72.110 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 196805

Ion	Ratio	Lower	Upper
75	100		
77	135.7	96.9	290.7



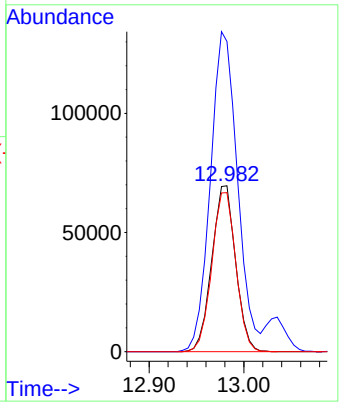


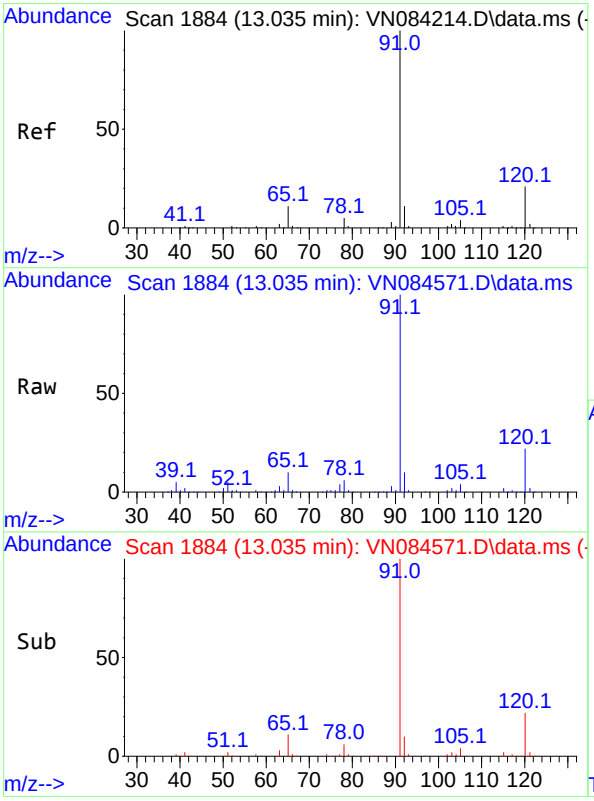
#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 122062

Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	96.5	48.9	146.8

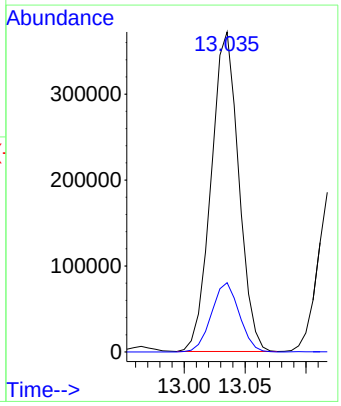


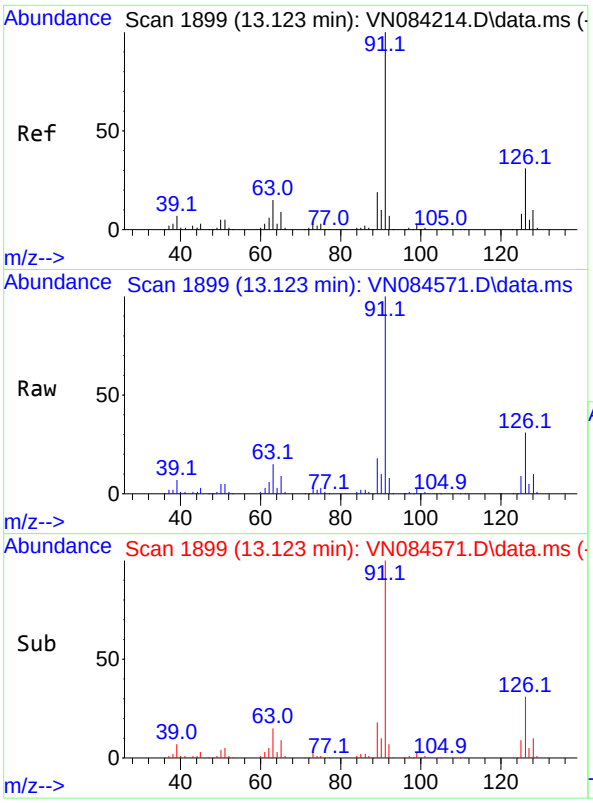


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



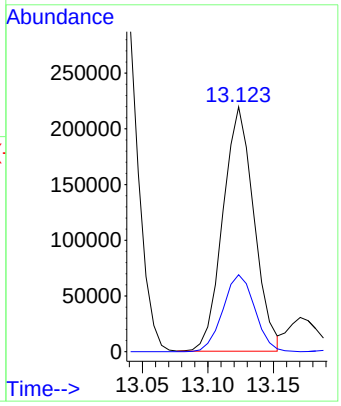


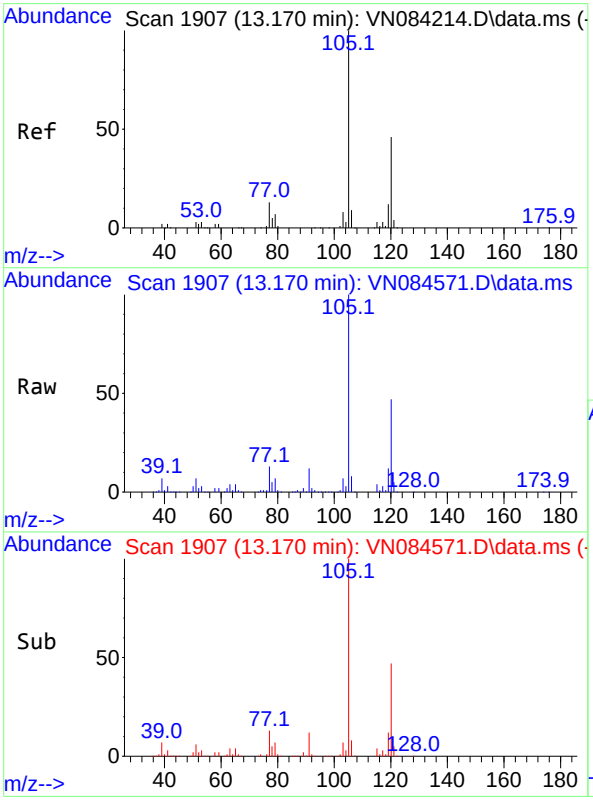
#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 362526

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

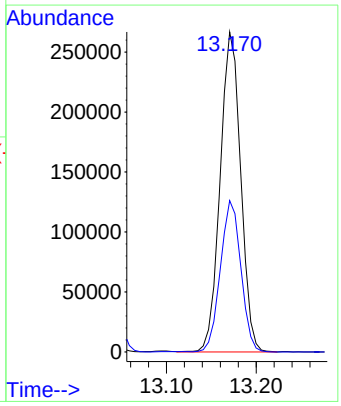


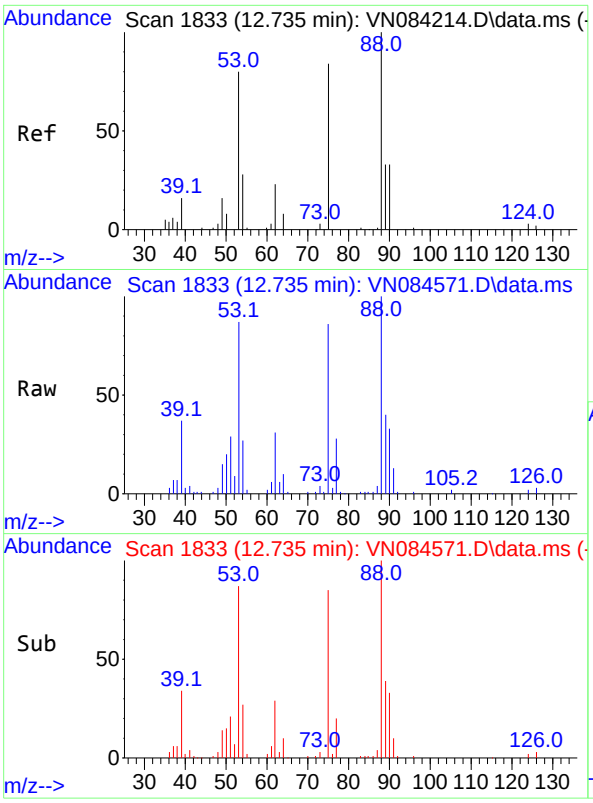


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 424332

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



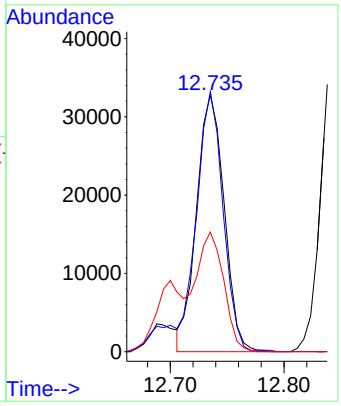


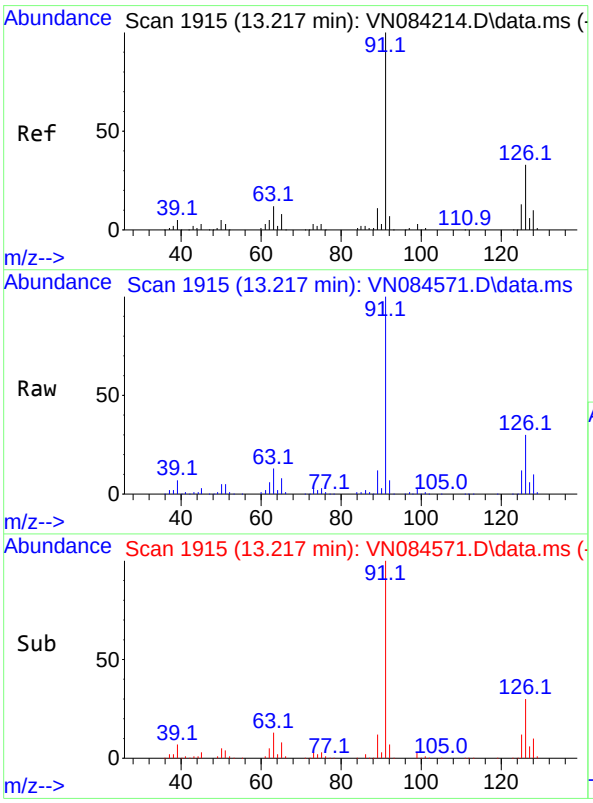
#81
trans-1,4-Dichloro-2-butene
Concen: 47.612 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 55485

Ion	Ratio	Lower	Upper
75	100		
53	107.3	78.0	117.0
89	47.3	35.5	53.3

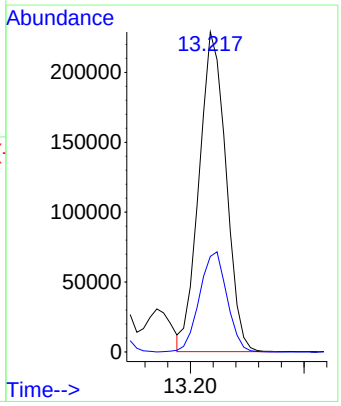


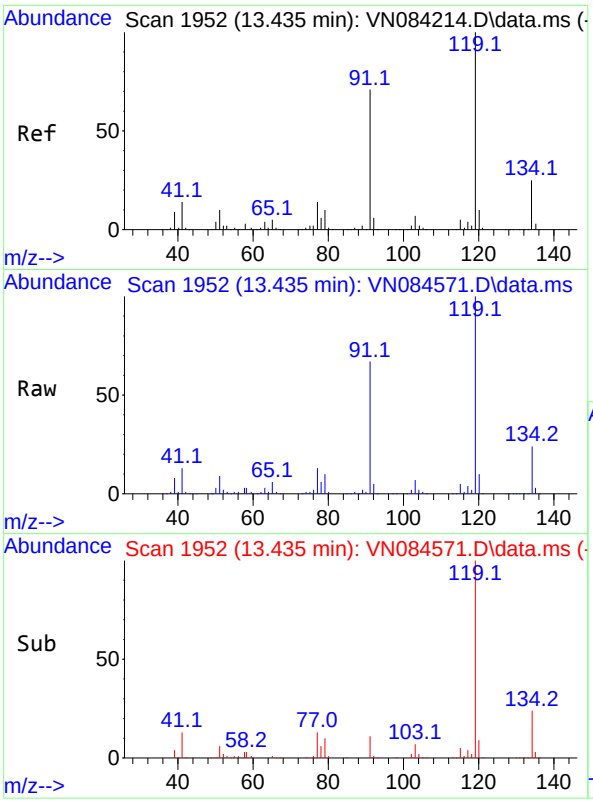


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



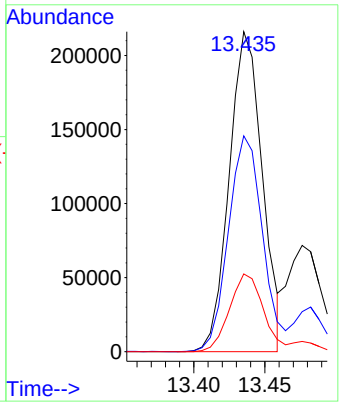


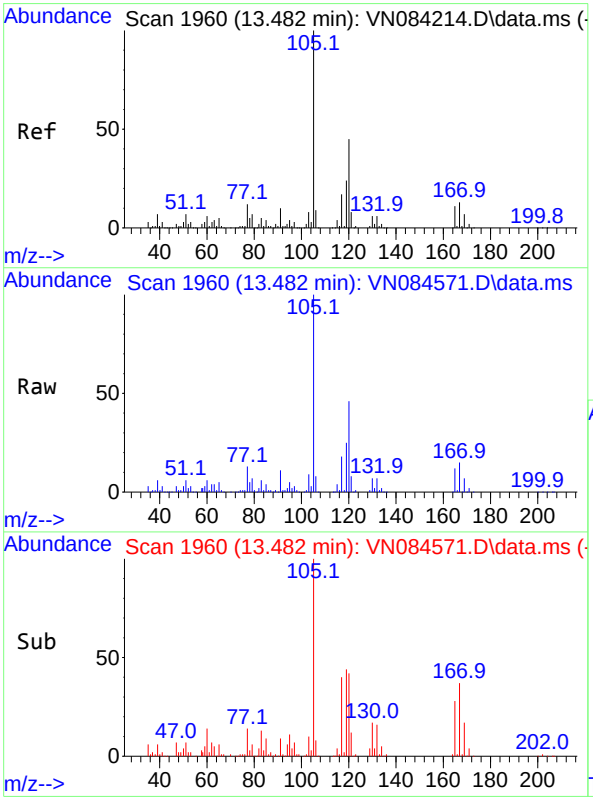
#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 350031

Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	24.7	12.8	38.4

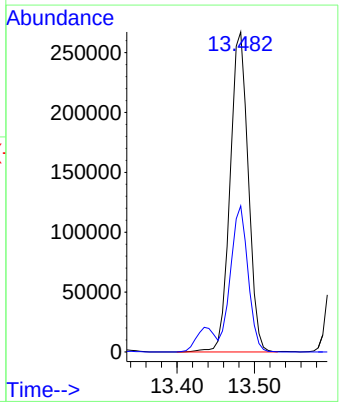


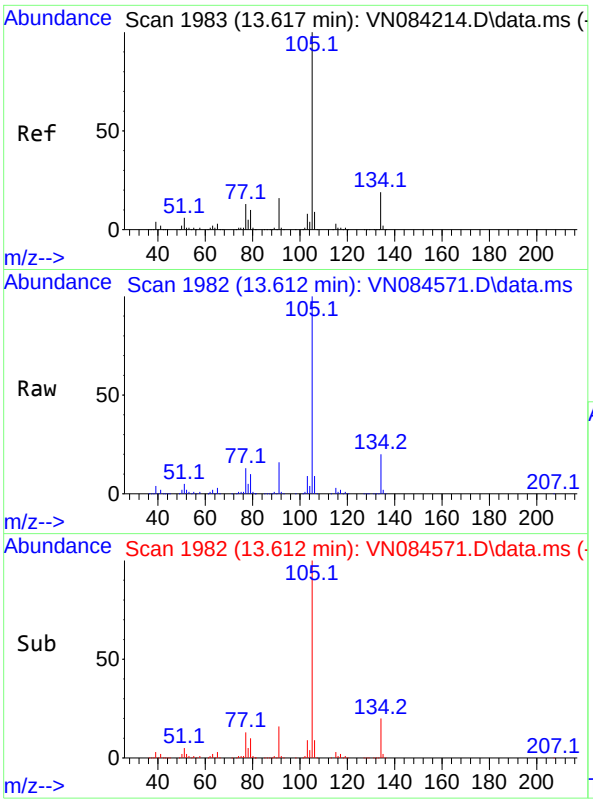


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8



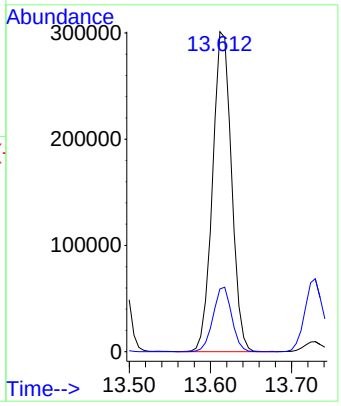


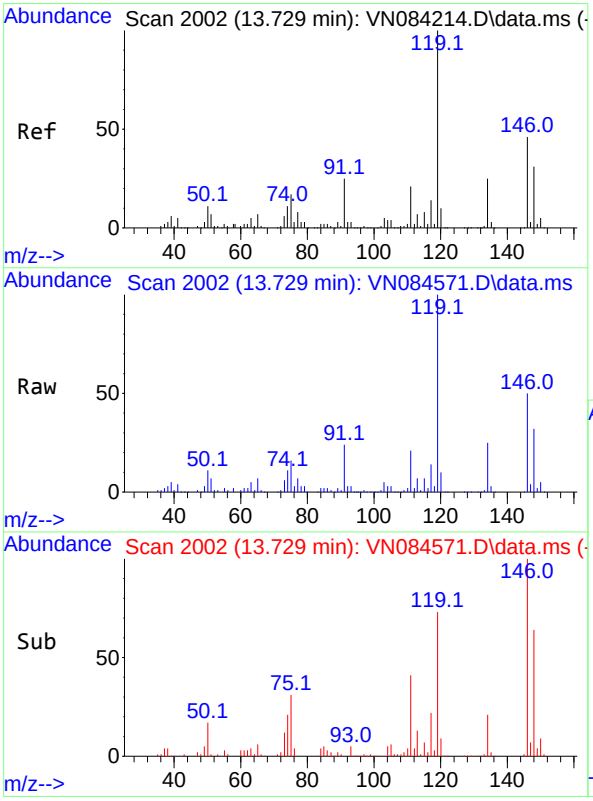
#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 489305

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

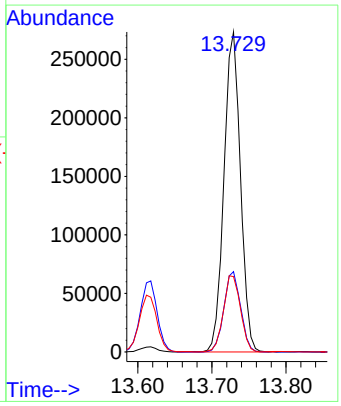


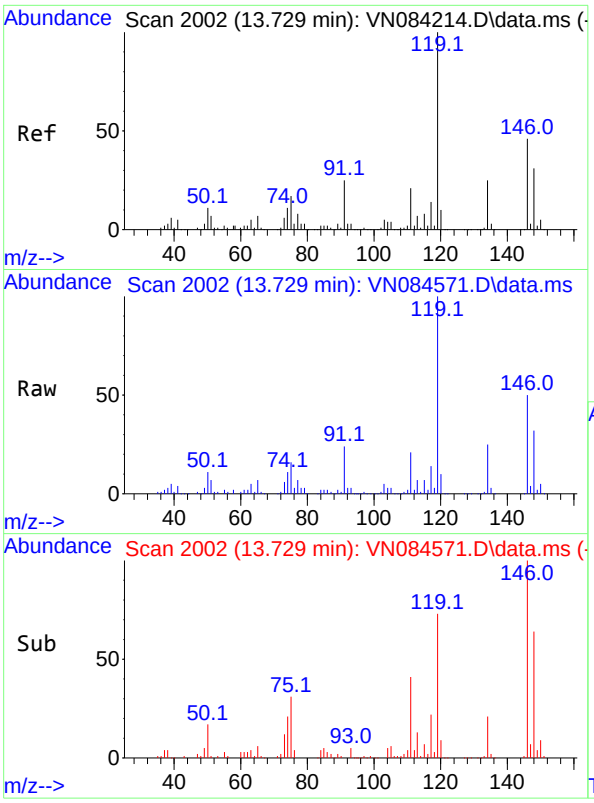


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 421834

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.7	12.4	37.2



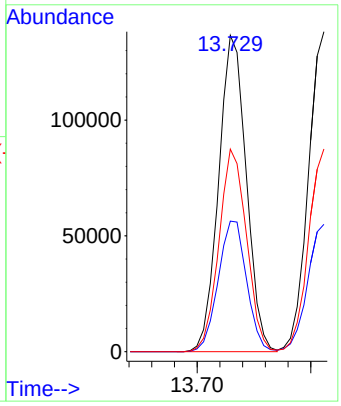


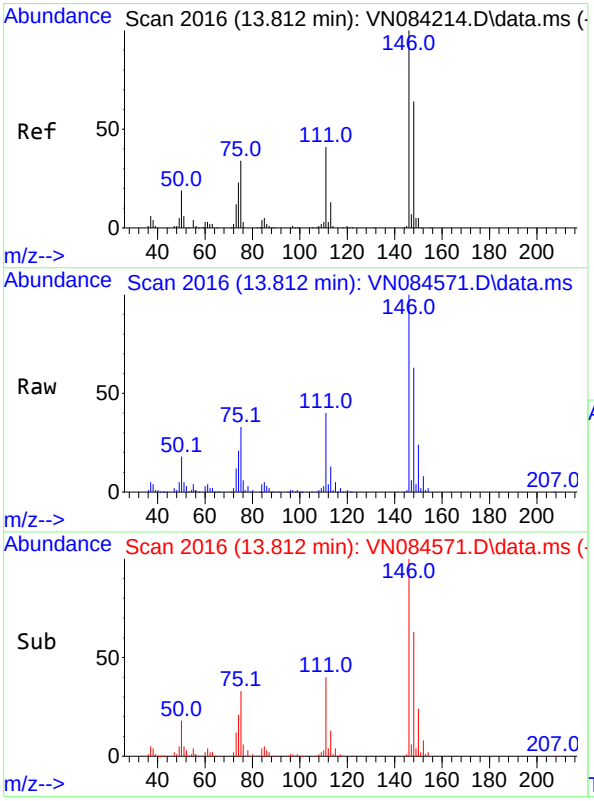
#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 230686

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.1	31.9	95.7

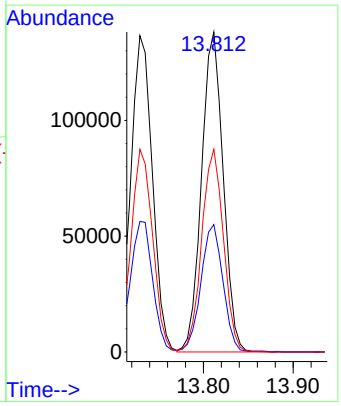


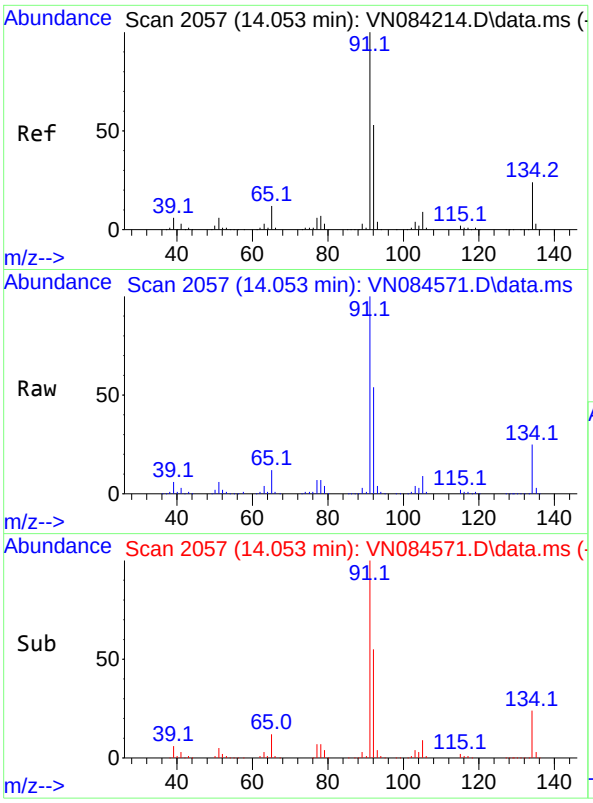


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 231568

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	63.6	31.9	95.9



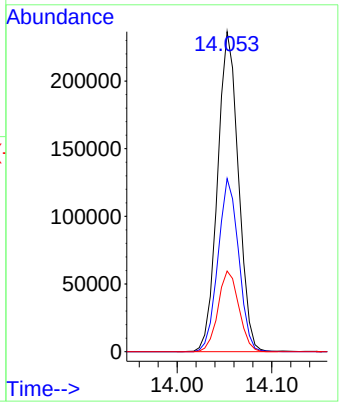


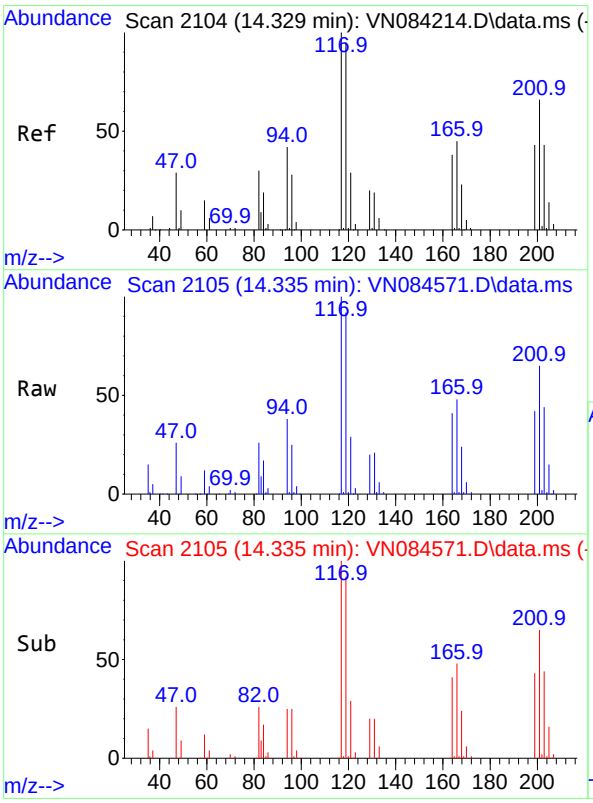
#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 362215

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.2	12.3	36.9

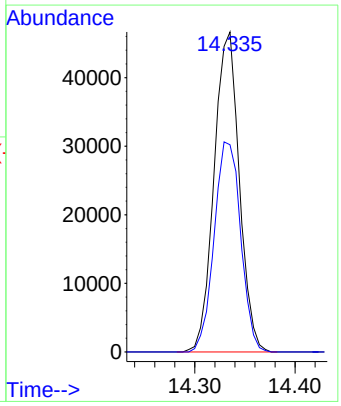


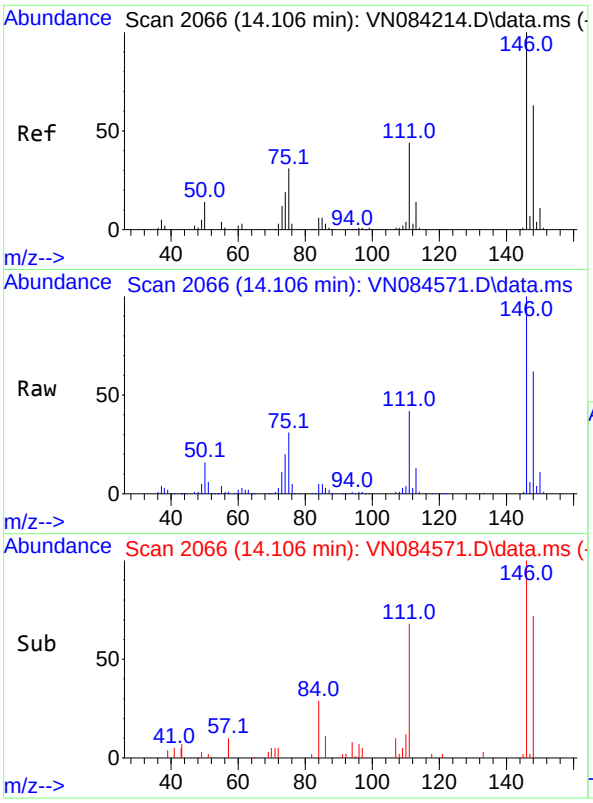


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2



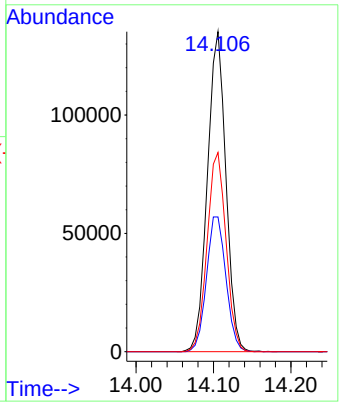


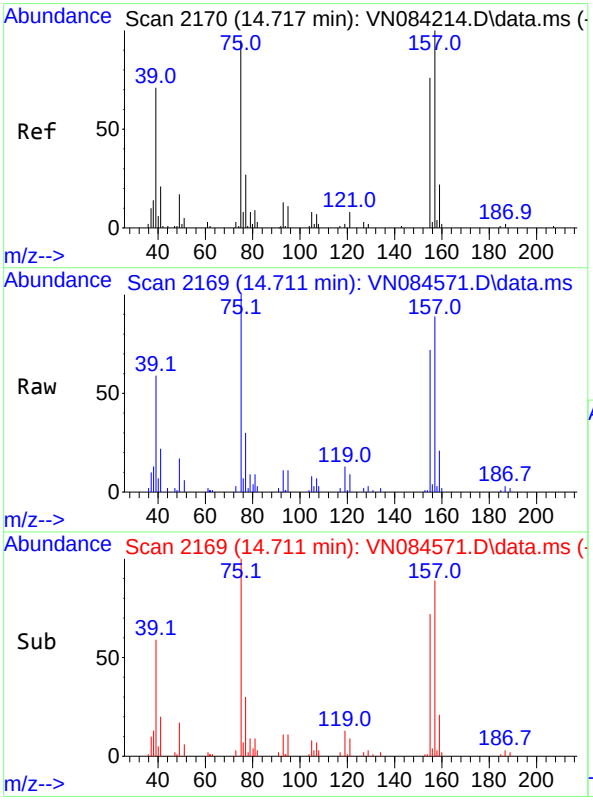
#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 223772

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.0	66.0
148	63.7	32.1	96.3

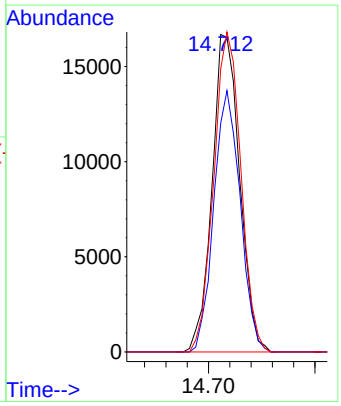


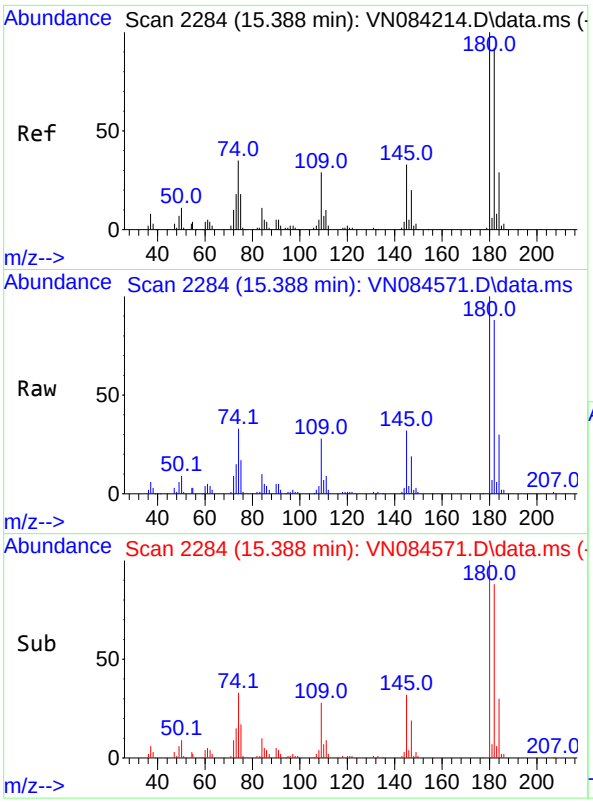


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 29987

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	99.0	49.6	149.0



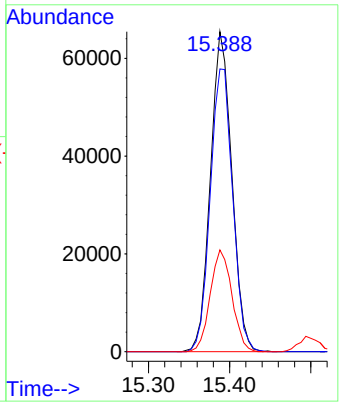


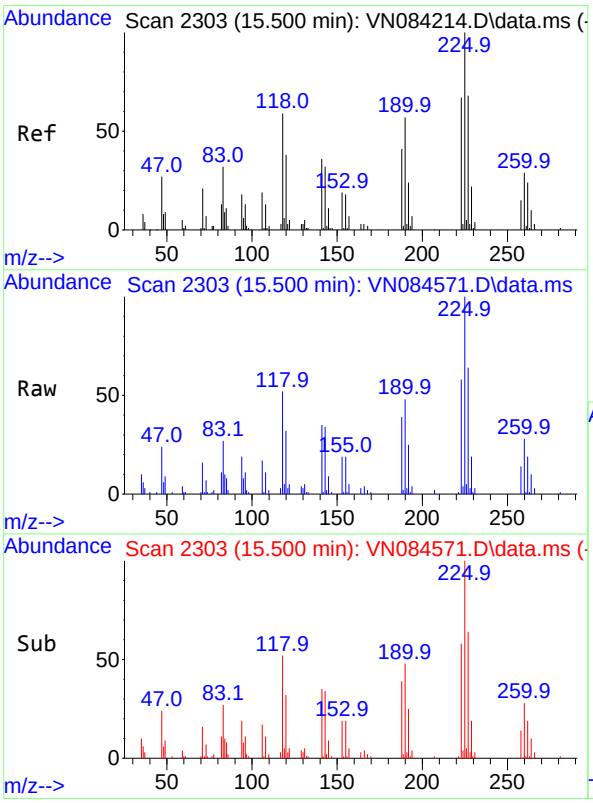
#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 119579

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	32.4	16.4	49.4

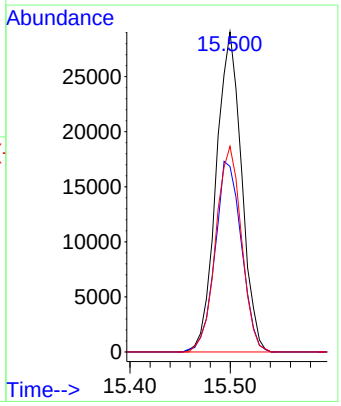


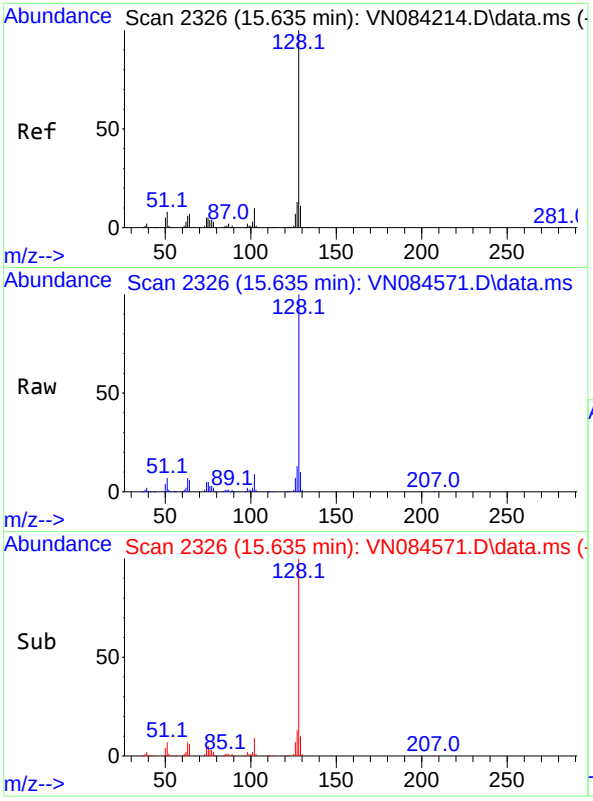


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:225 Resp: 51033

Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.2
227	64.9	32.4	97.0



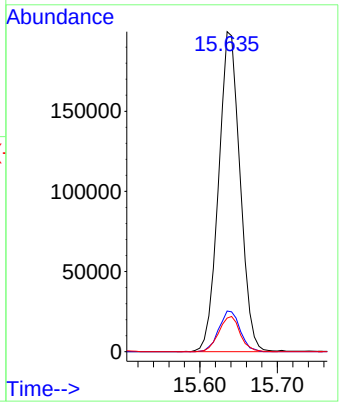


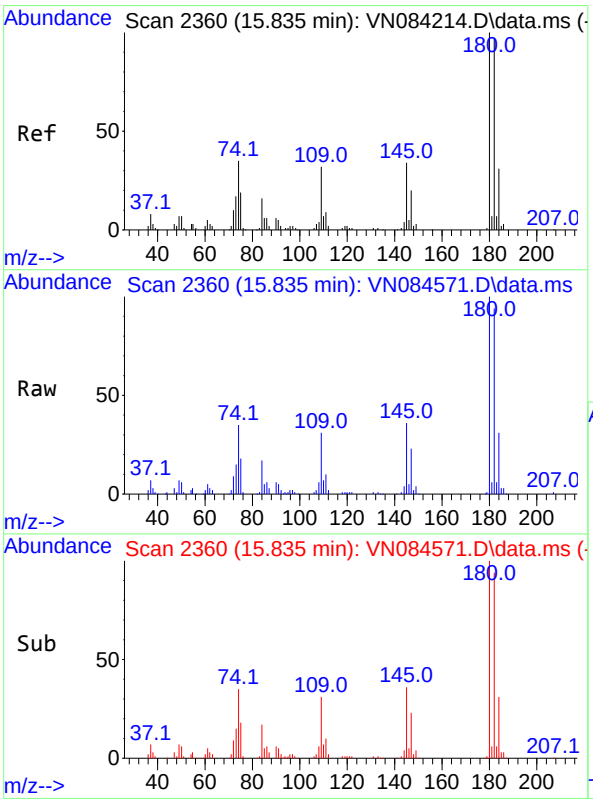
#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 384553

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1

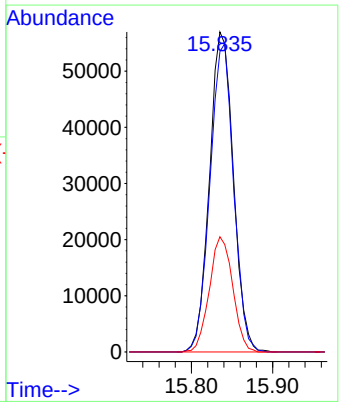




#96
1,2,3-Trichlorobenzene
Concen: 44.812 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 116341

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.3	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.200%#			
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 38.500%#			
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 39.000%#			
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882	ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180	ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277	ug/l		98
44) Trichloroethene	9.347	130	44176	19.862	ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229	ug/l		93
46) Dibromomethane	9.706	93	32857	20.583	ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997	ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466	ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417	ug/l		100
52) Toluene	10.629	92	117530	20.838	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141	ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613	ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786	ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735	ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070	ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054	ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125	ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651	ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732	ug/l		99
69) o-Xylene	12.400	106	77396	21.214	ug/l		99
70) Styrene	12.412	104	133059	20.907	ug/l		96
71) Bromoform	12.576	173	32901	20.369	ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127	ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	77615	30.169	ug/l		63
77) Bromobenzene	12.976	156	48017	19.550	ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024	ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070	ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102	ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783	ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255	ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458	ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139	ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523	ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066	ug/l		96
95) Naphthalene	15.635	128	153972	20.404	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

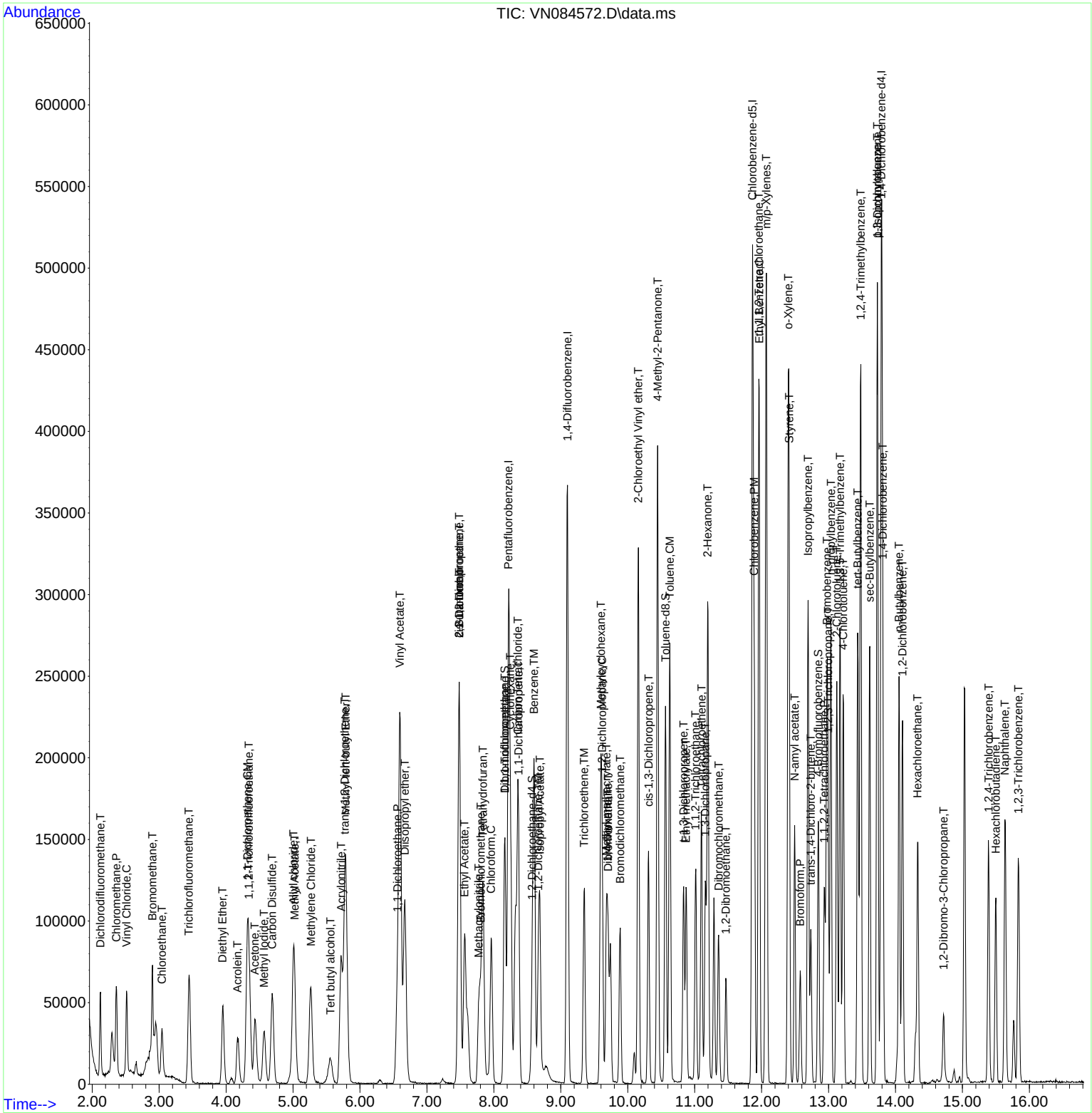
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

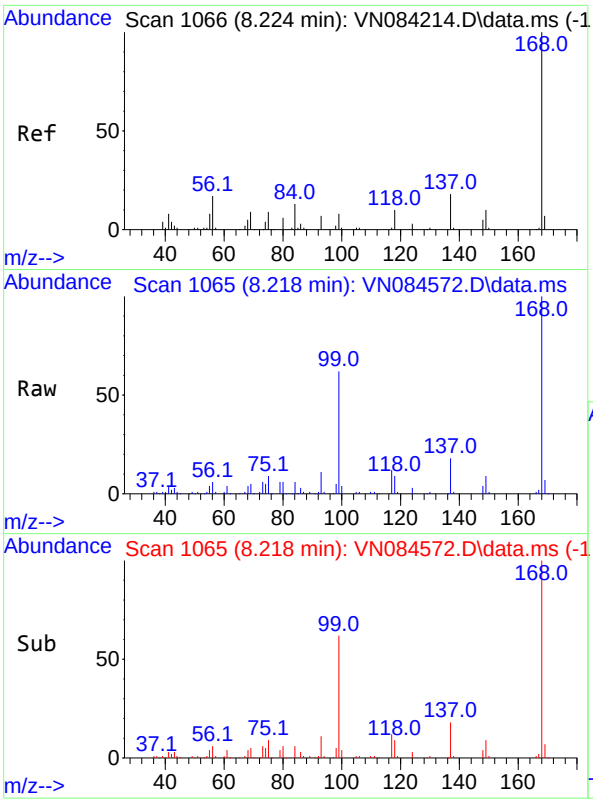
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



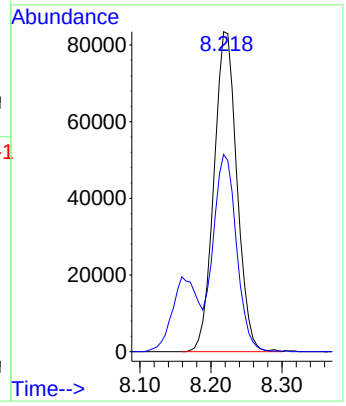


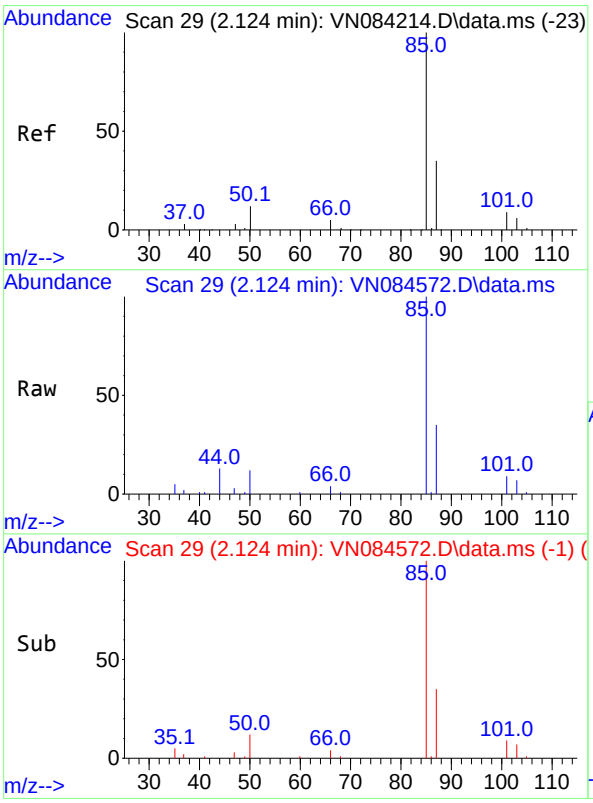
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 187576

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

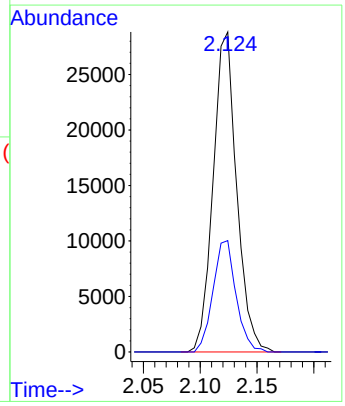


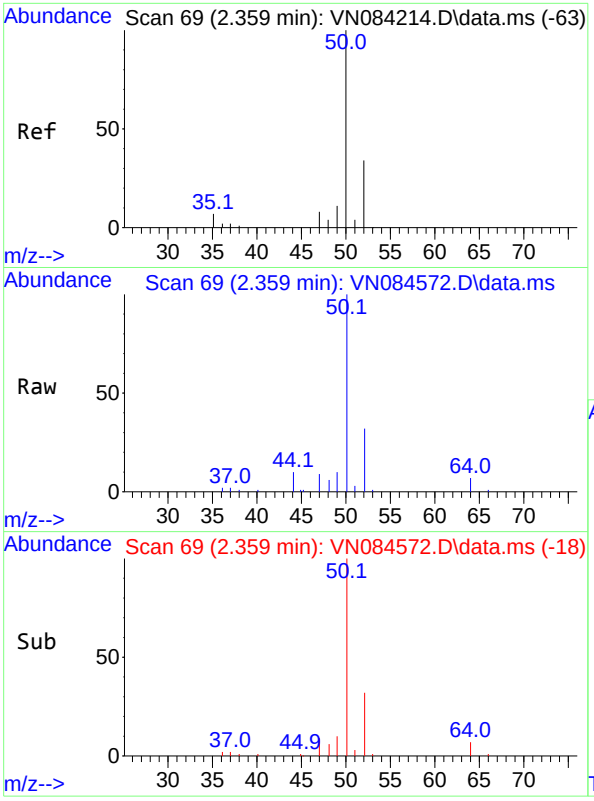


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9



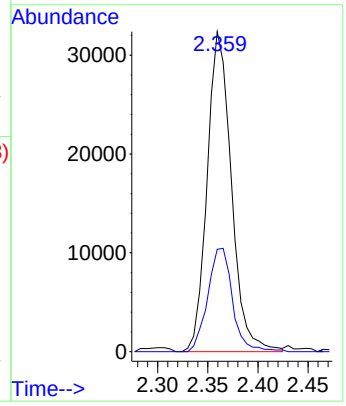


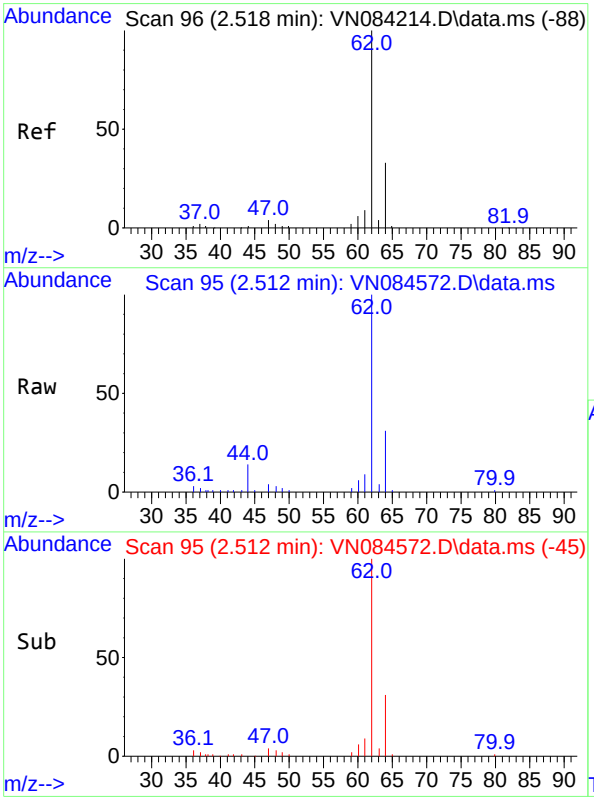
#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 54414

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

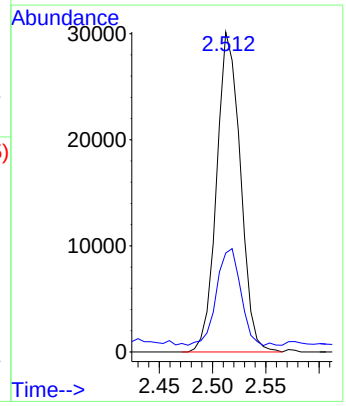


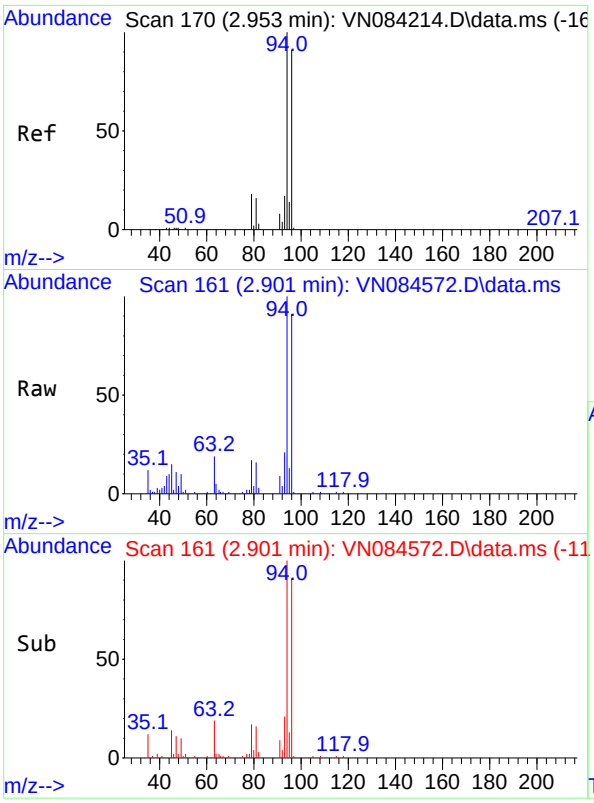


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4



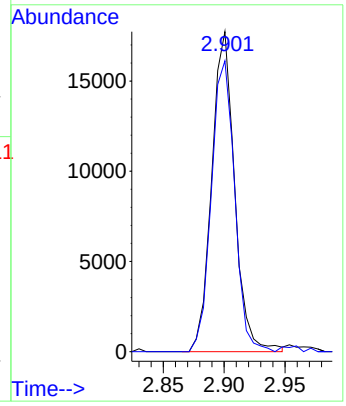


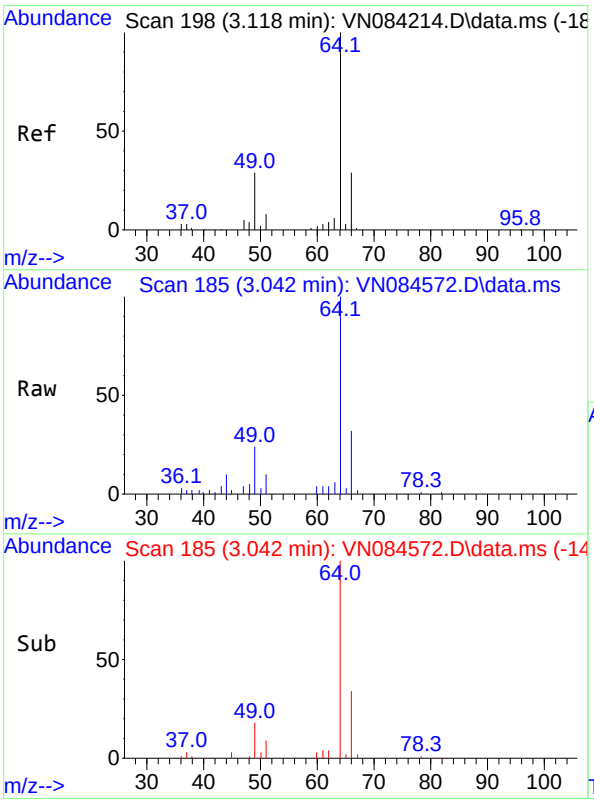
#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 23244

Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3

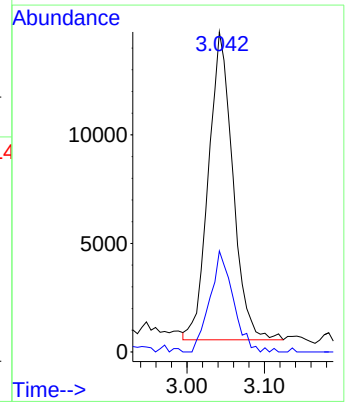


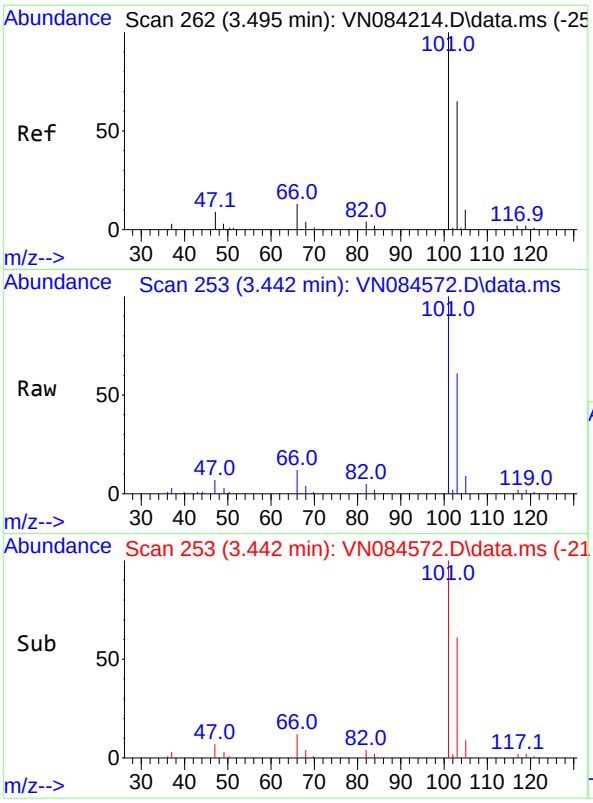


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



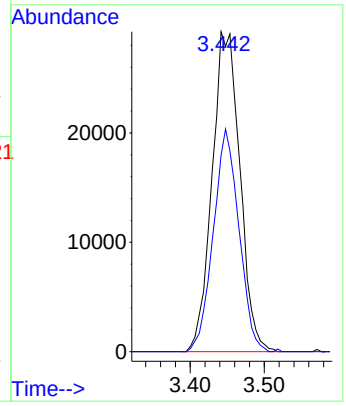


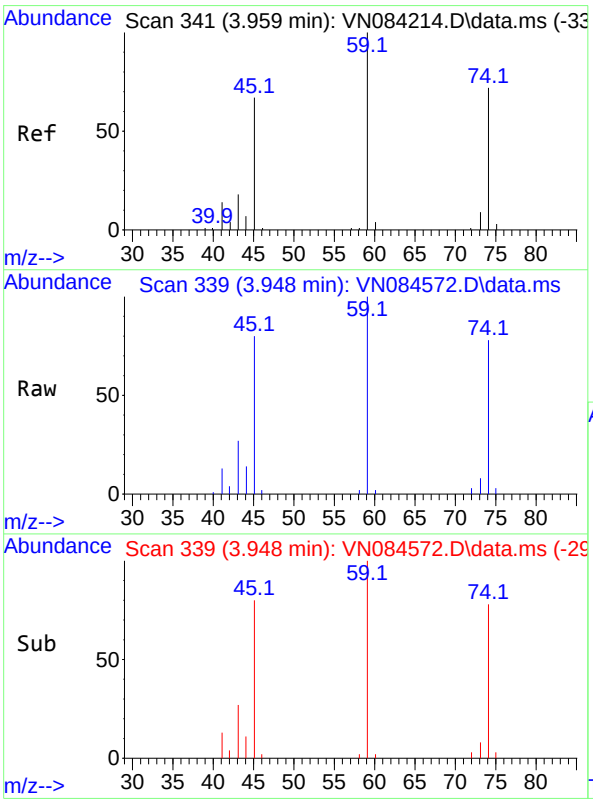
#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 2
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 76339

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6

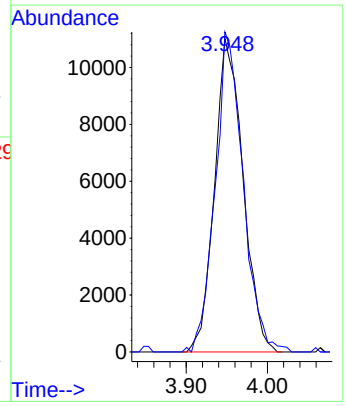


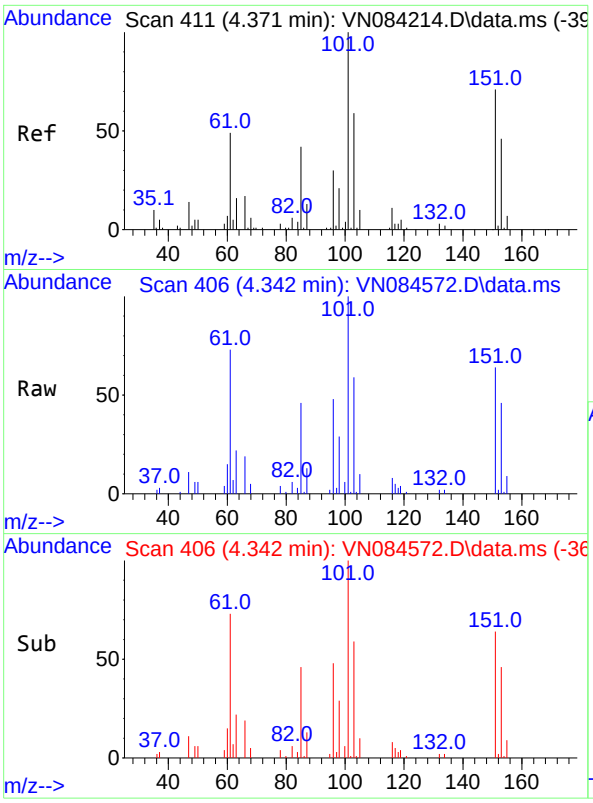


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1



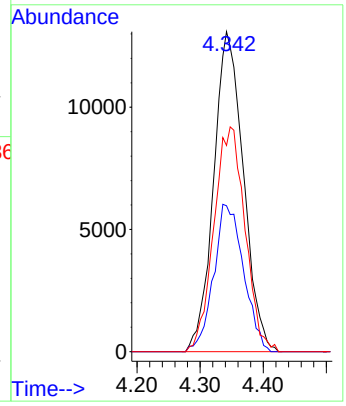


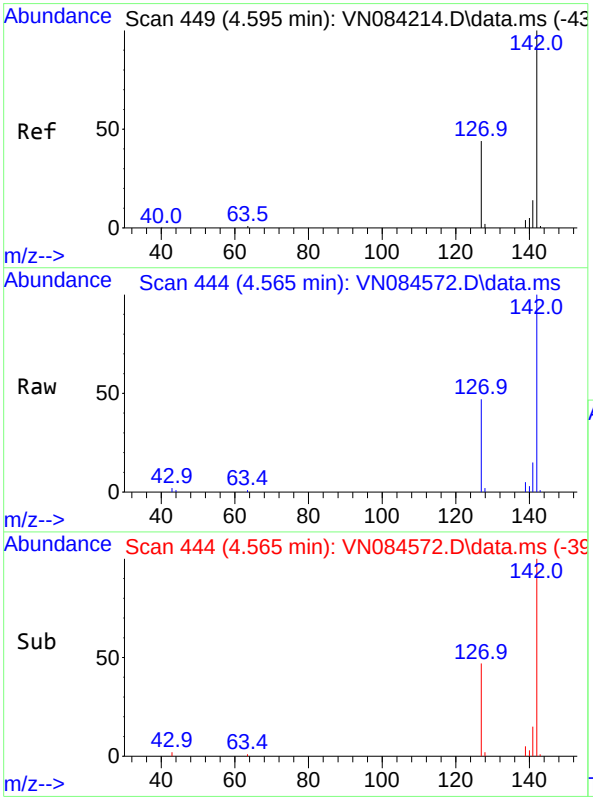
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 4
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42830

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	73.6	59.3	88.9

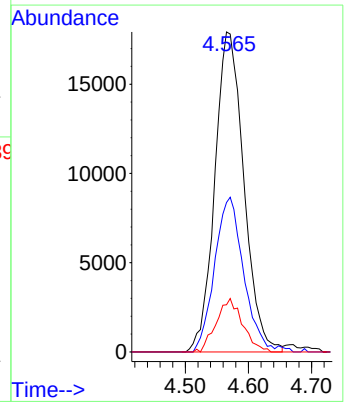


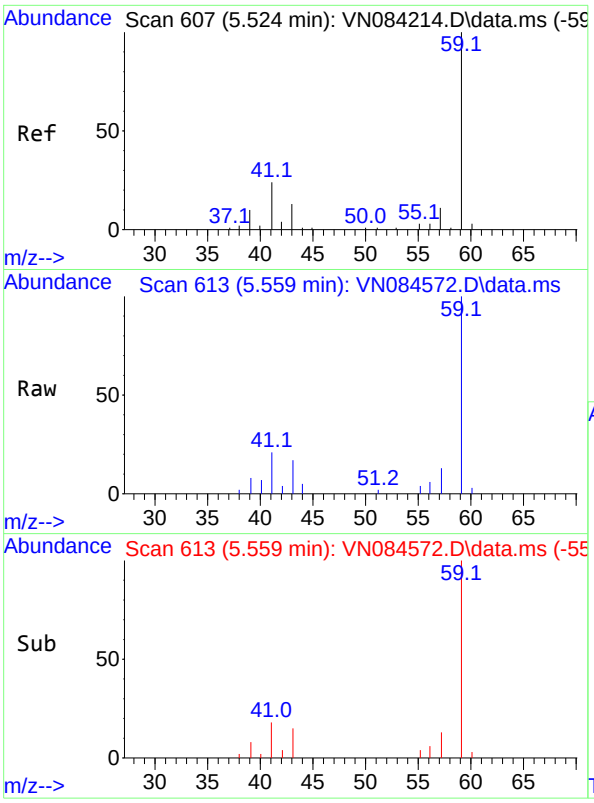


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:142 Resp: 57315

Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.3	52.9
141	14.8	11.0	16.6



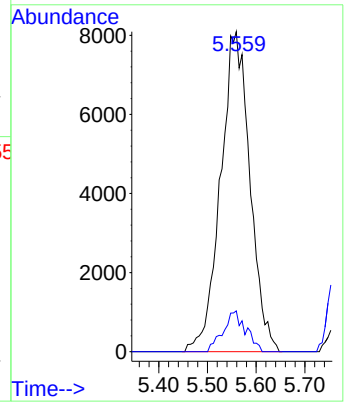


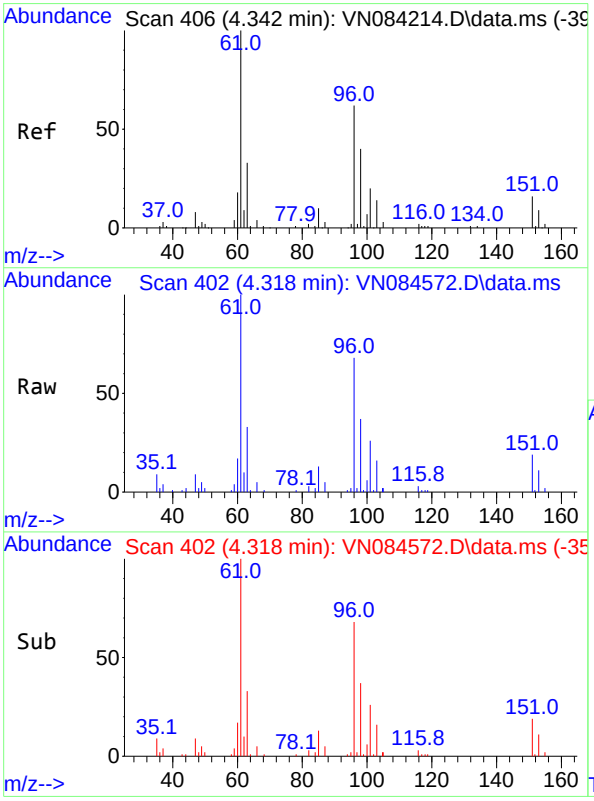
#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 33927

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

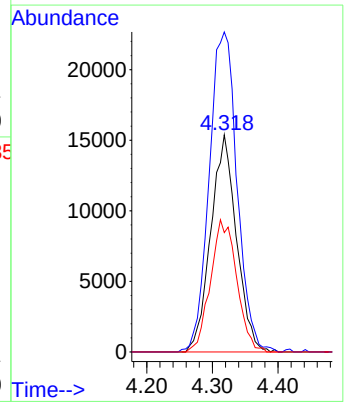


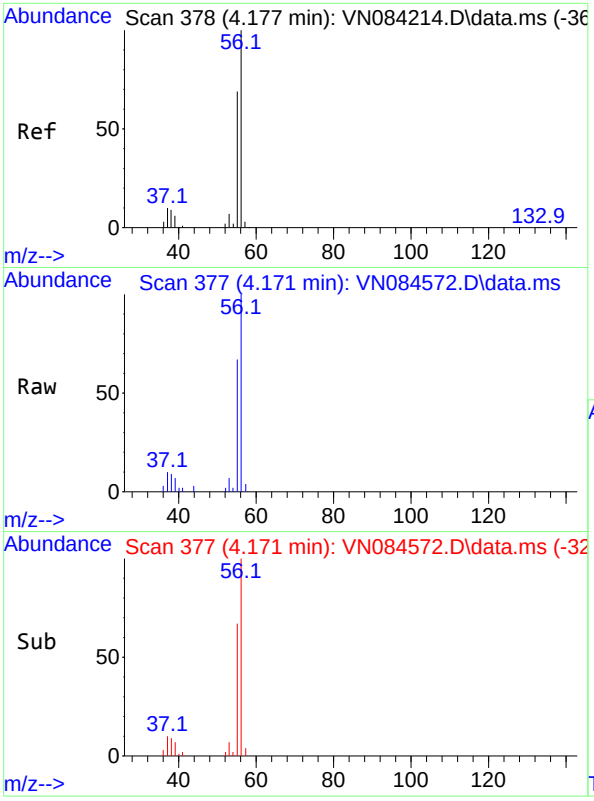


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 41980

Ion	Ratio	Lower	Upper
96	100		
61	147.4	128.6	192.8
98	55.0	51.7	77.5



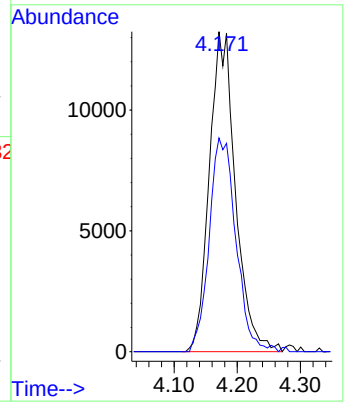


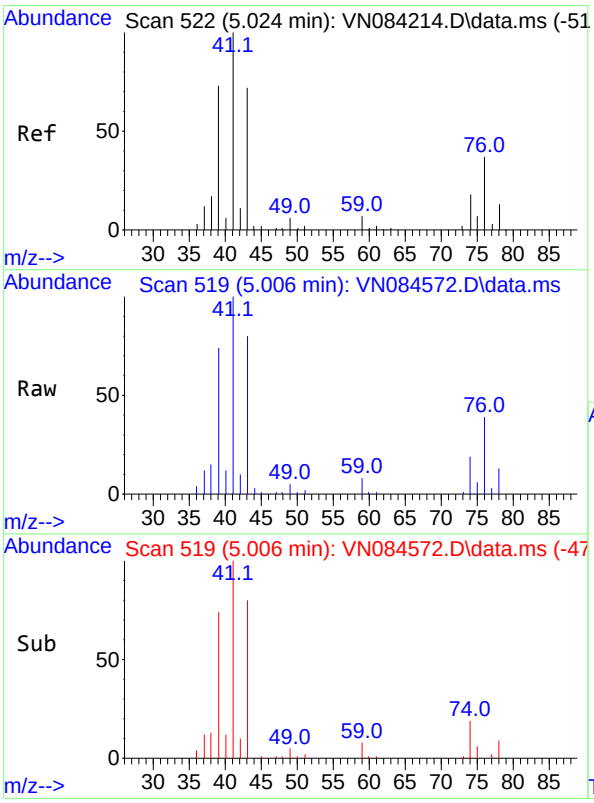
#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 38007

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8

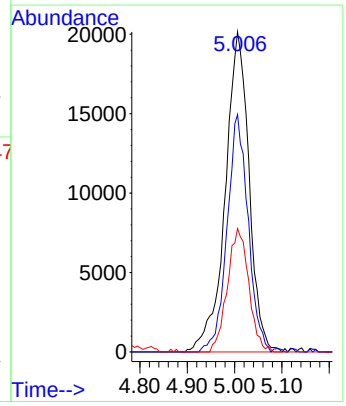


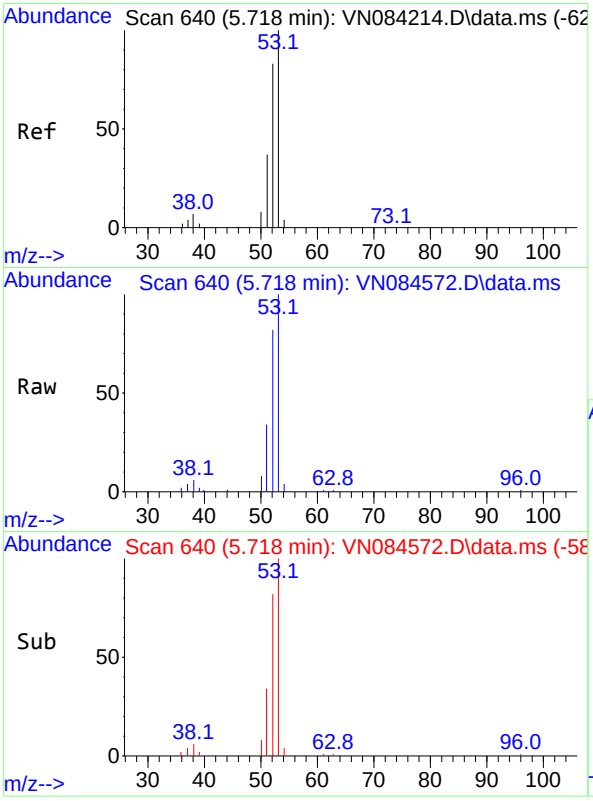


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 70420

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.4	29.8	44.6



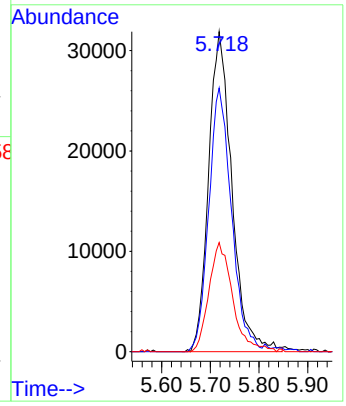


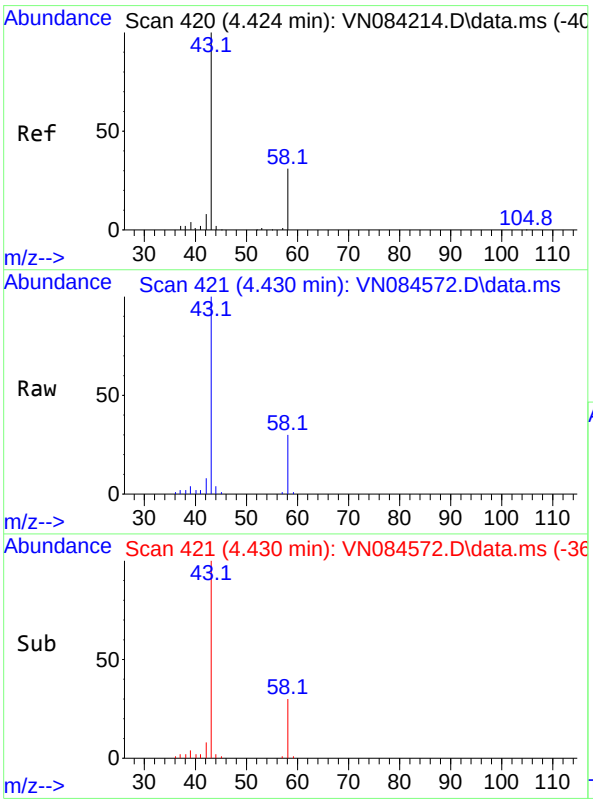
#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 105912

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	34.7	28.8	43.2

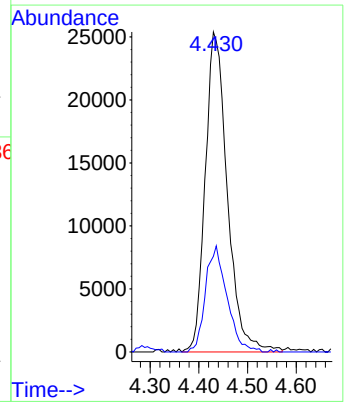


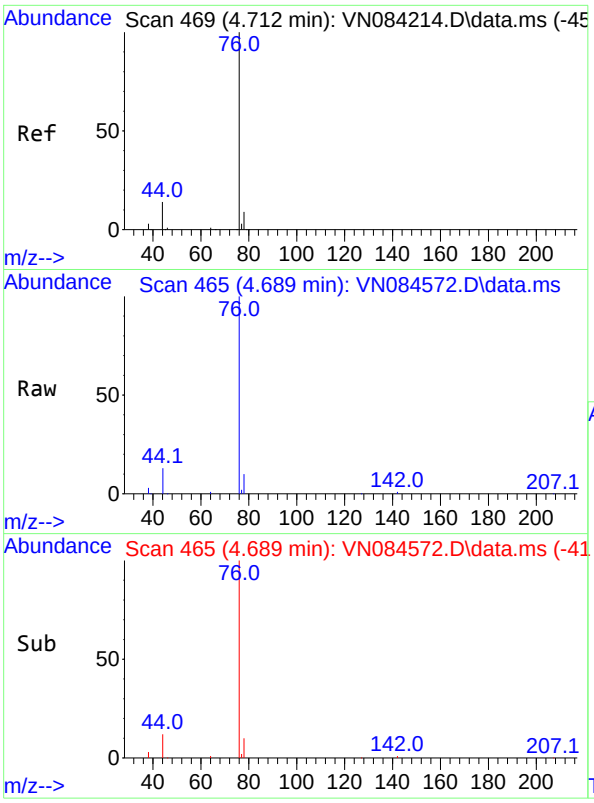


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6



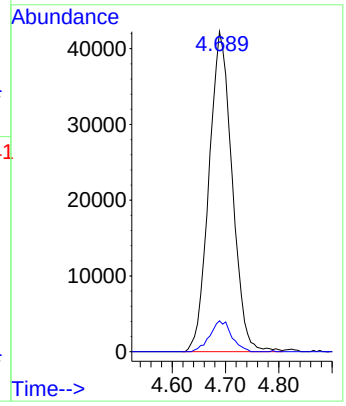


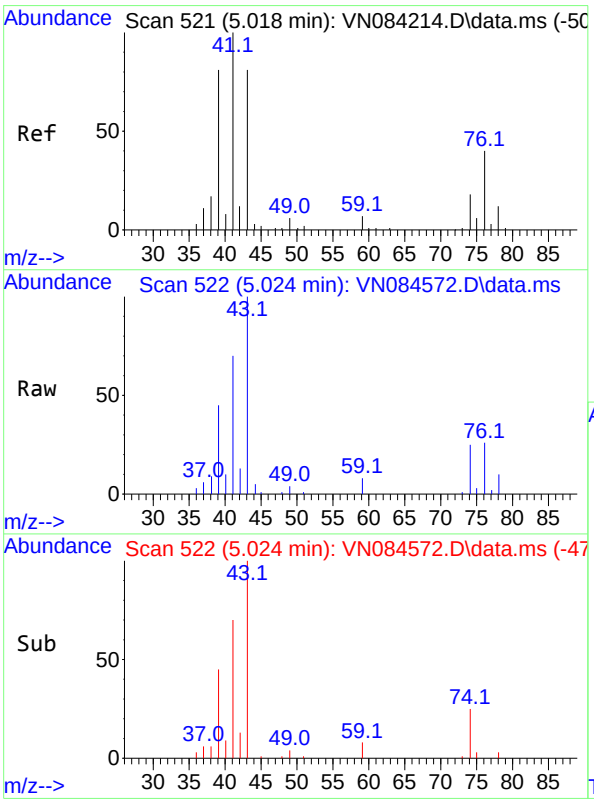
#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 127521

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

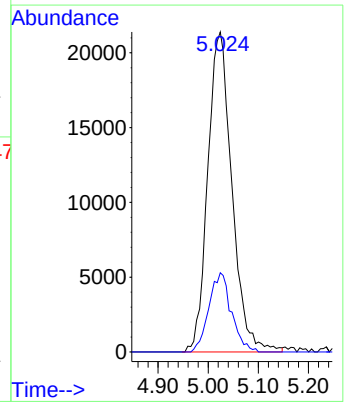


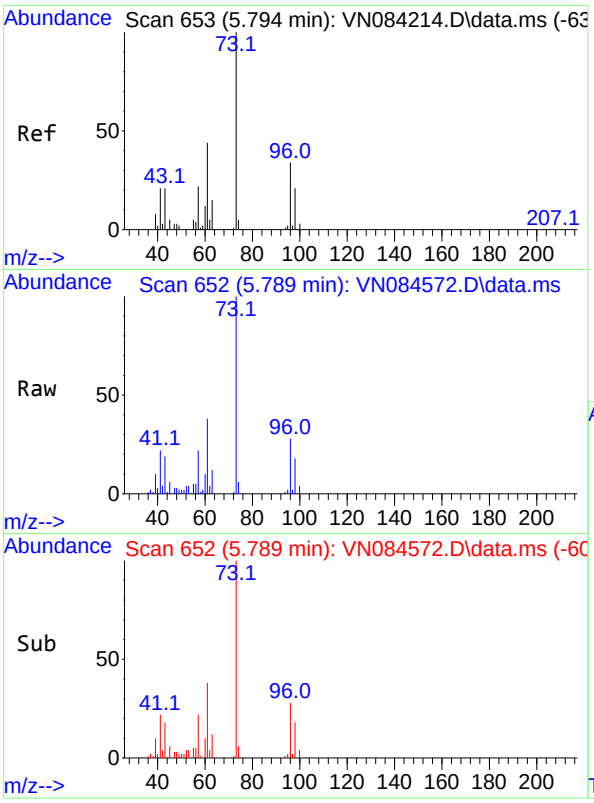


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8



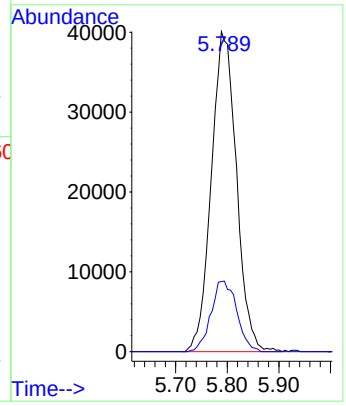


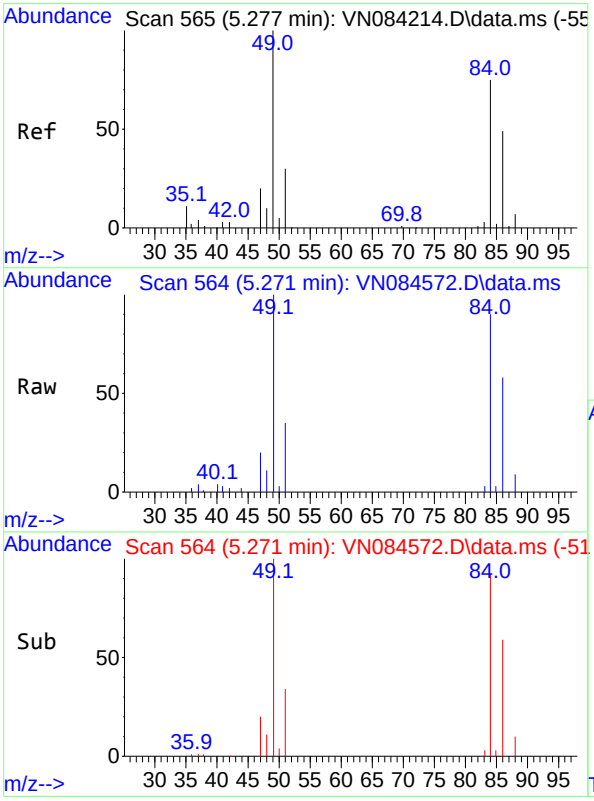
#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 135170

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

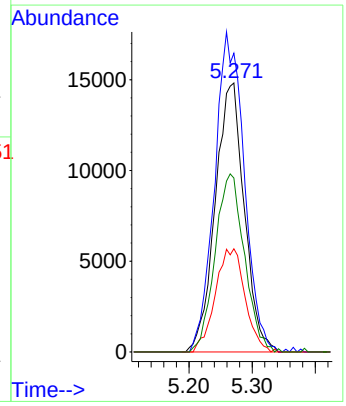


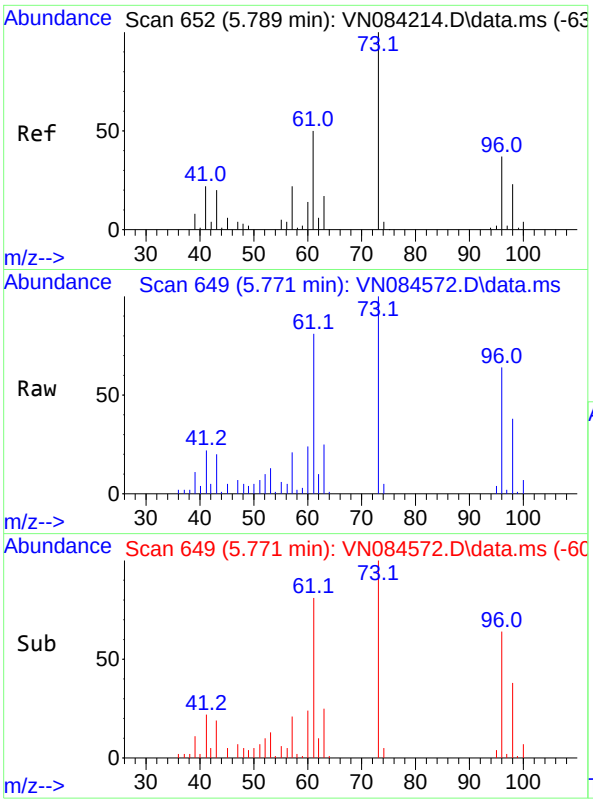


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 84 Resp: 47467

Ion	Ratio	Lower	Upper
84	100		
49	111.0	107.2	160.8
51	38.3	31.8	47.8
86	64.7	52.9	79.3



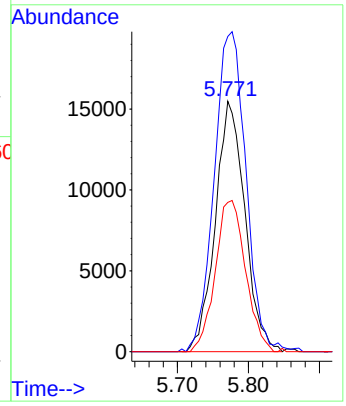


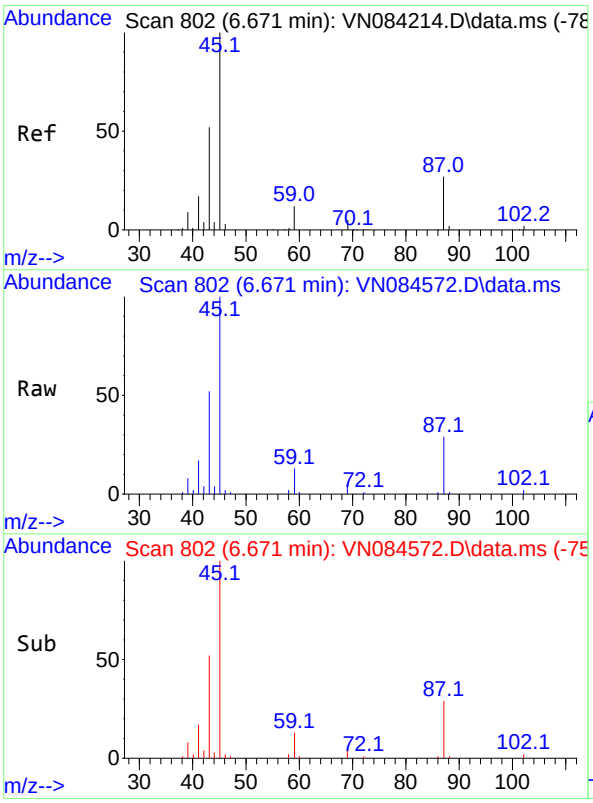
#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44697

Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	59.6	49.8	74.8

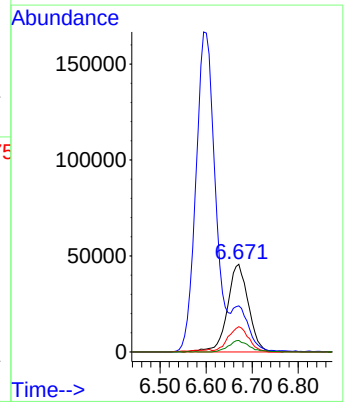


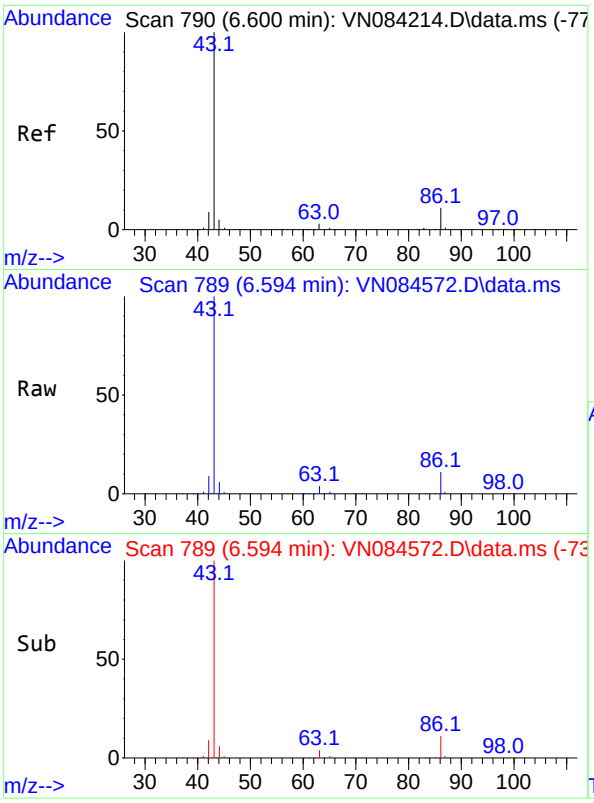


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 45 Resp: 144115

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.9	21.8	32.6
59	13.1	9.6	14.4



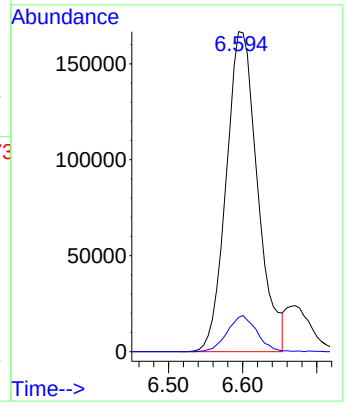


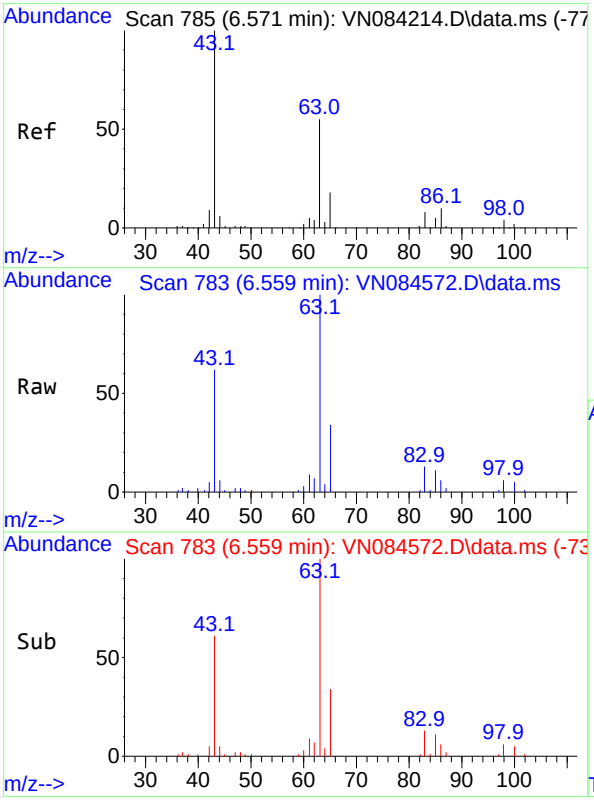
#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 490034

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

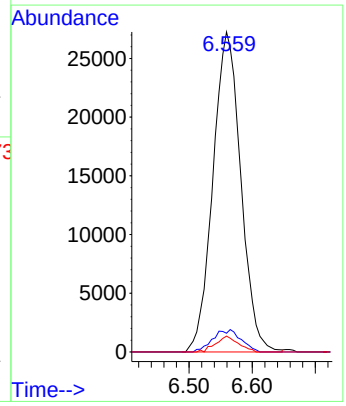


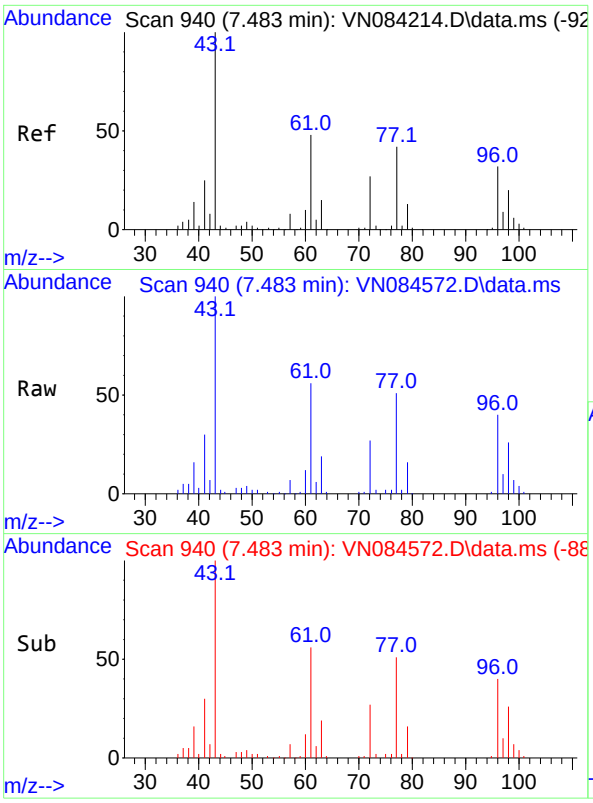


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 83555

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	4.9	2.0	5.8



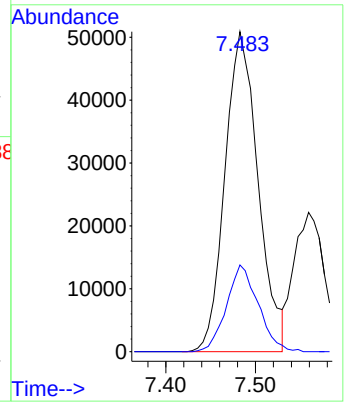


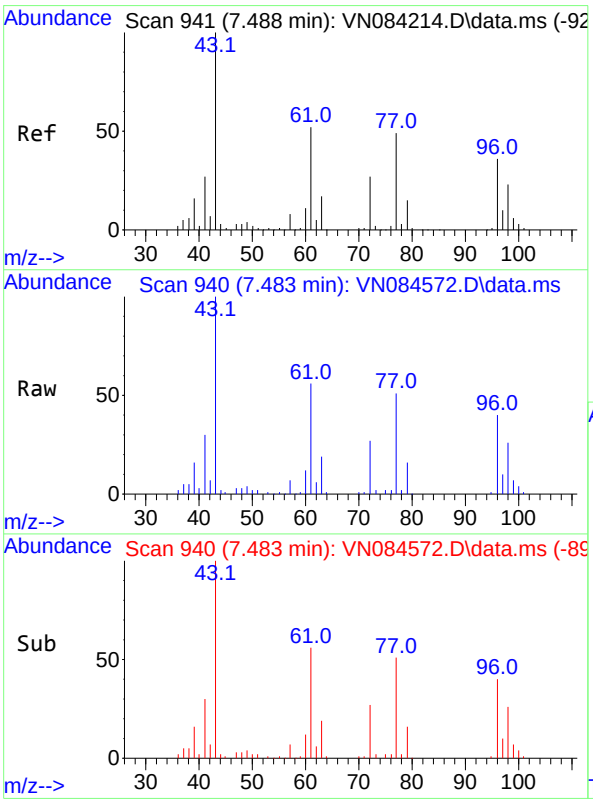
#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 130541

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2

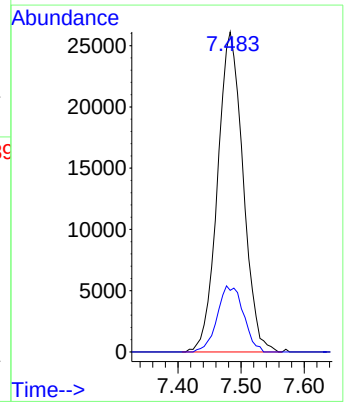


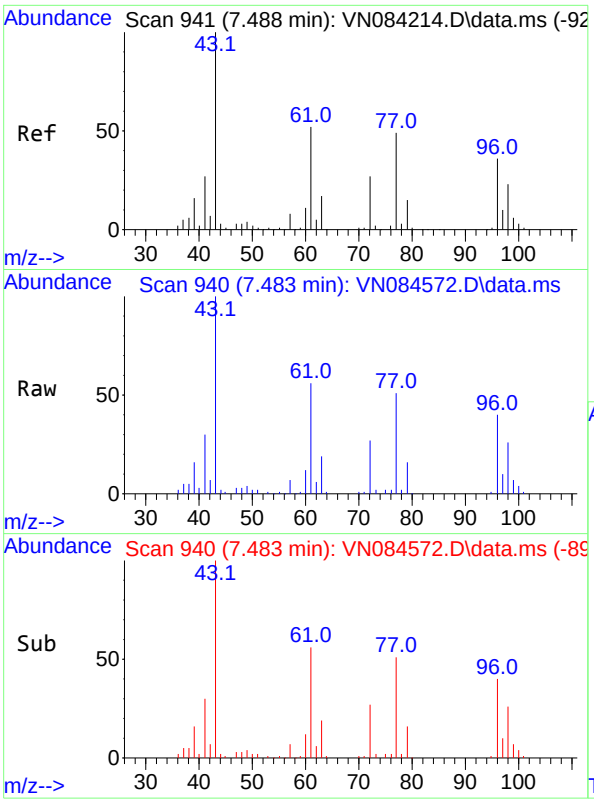


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3



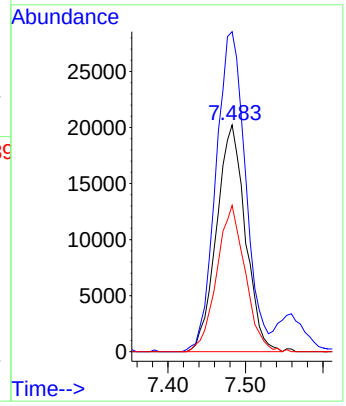


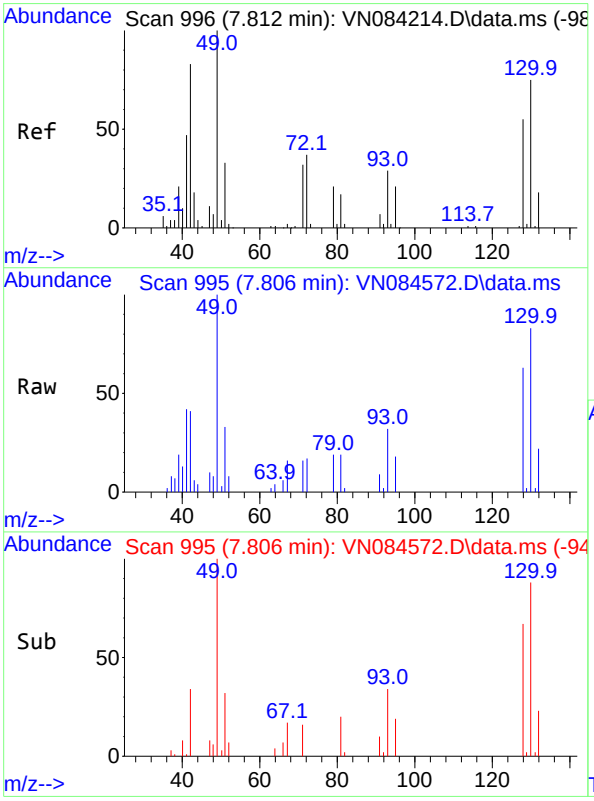
#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 52279

Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.8
98	63.6	0.0	128.2

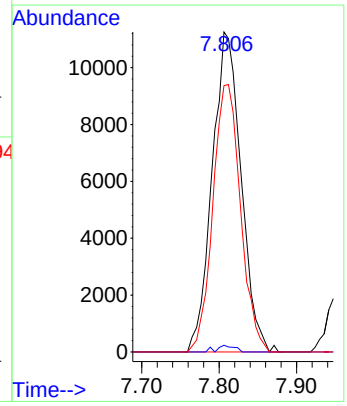


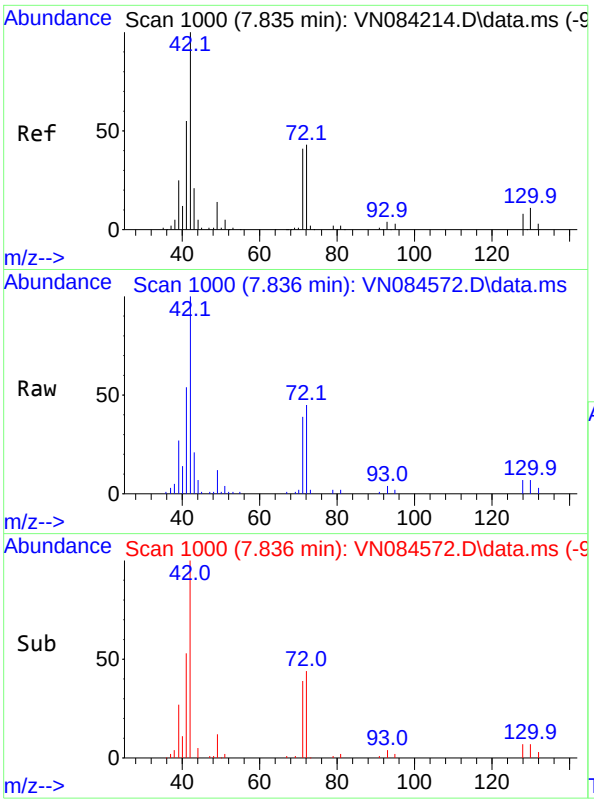


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 49 Resp: 29146

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	79.9	58.0	87.0



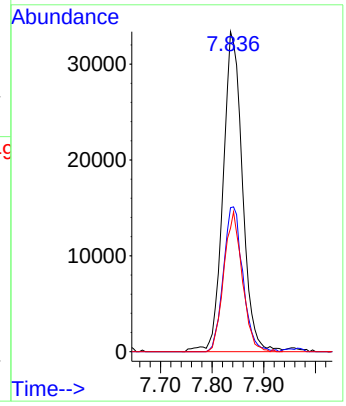


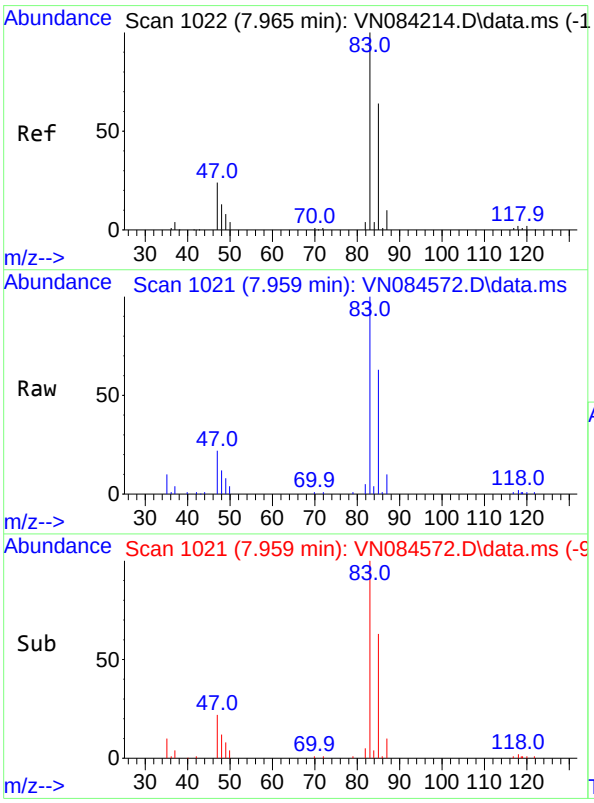
#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 86837

Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	41.5	32.2	48.4

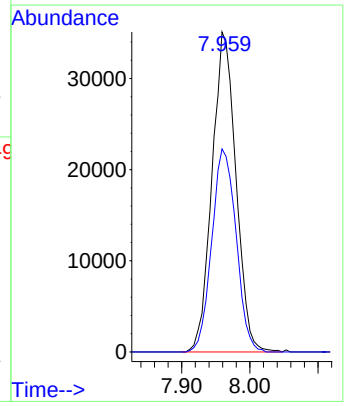


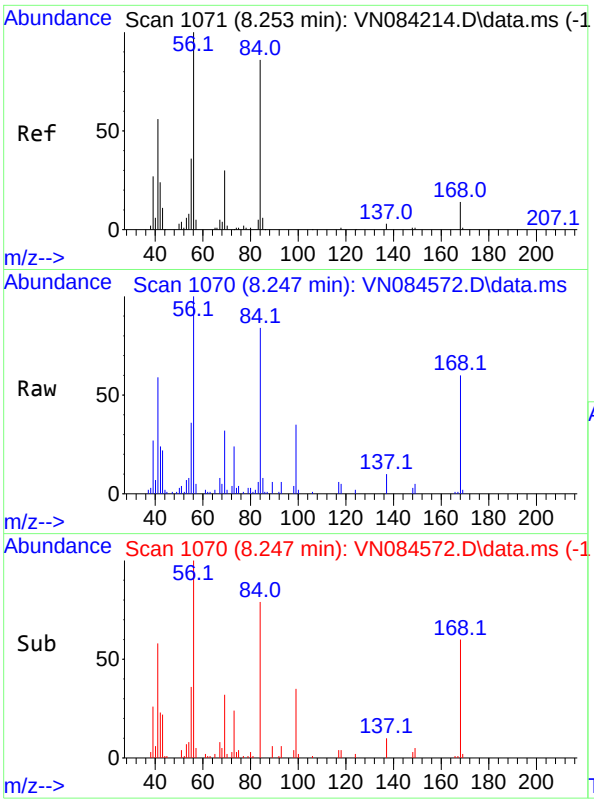


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



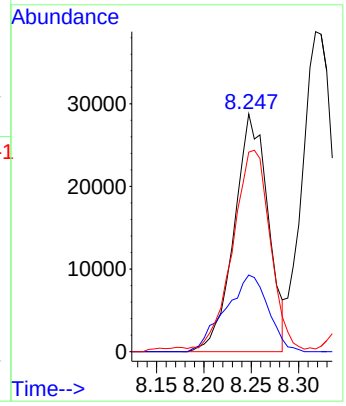


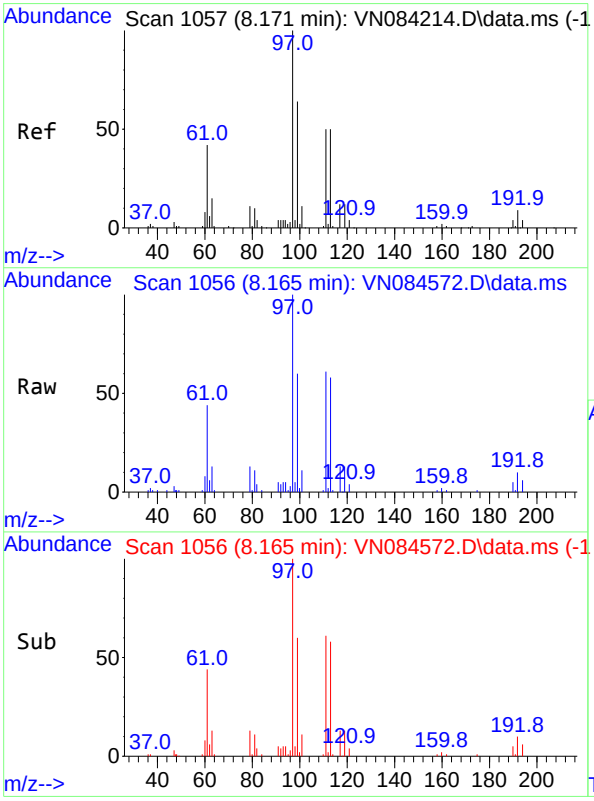
#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 71698

Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.6
84	82.2	68.8	103.2

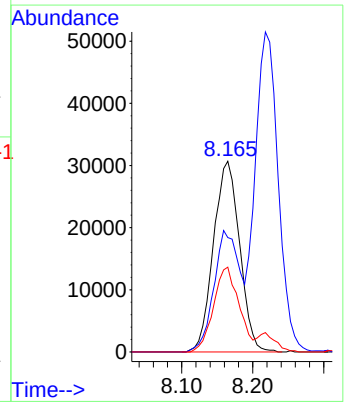


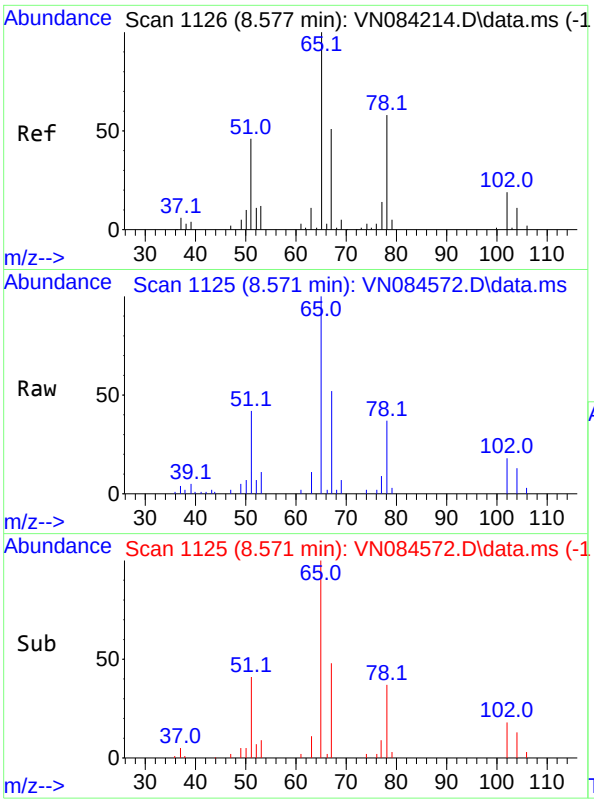


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 78458

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	43.3	37.5	56.3



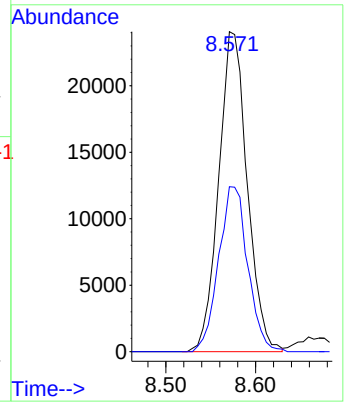


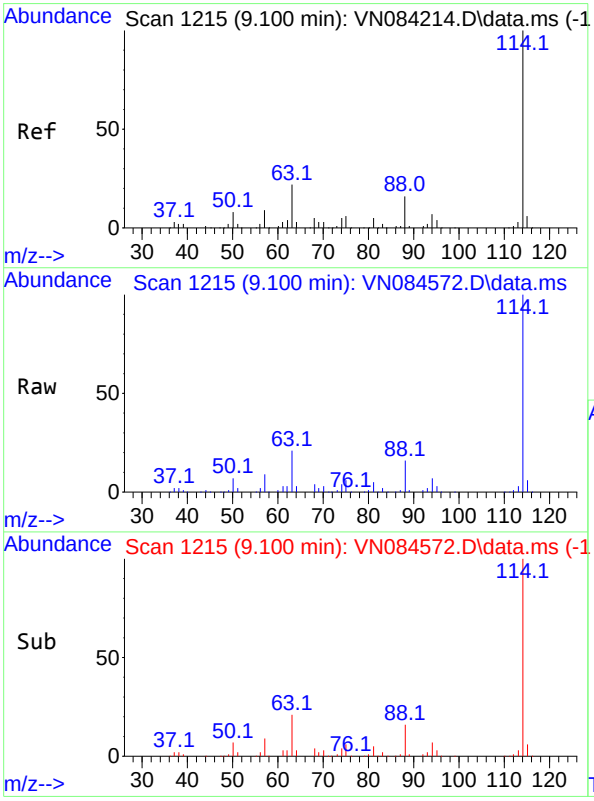
#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 53102

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0

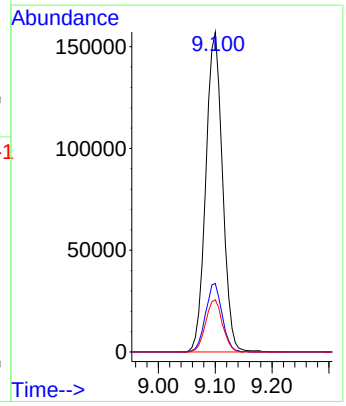


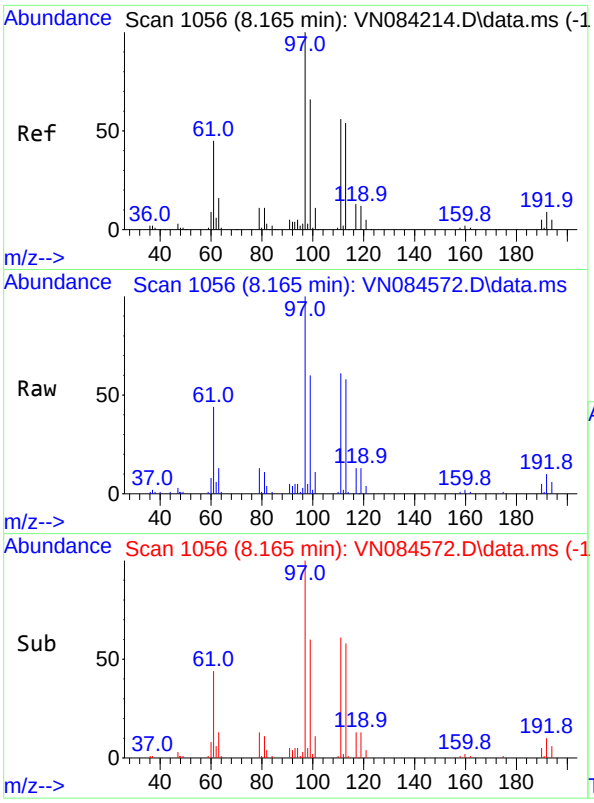


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:114 Resp: 319890

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.3	0.0	31.6



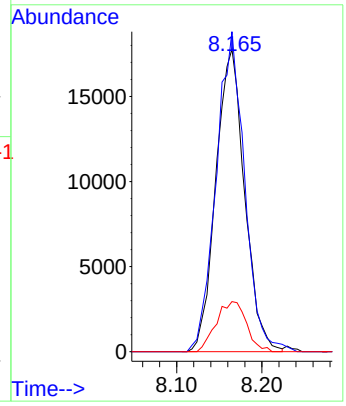


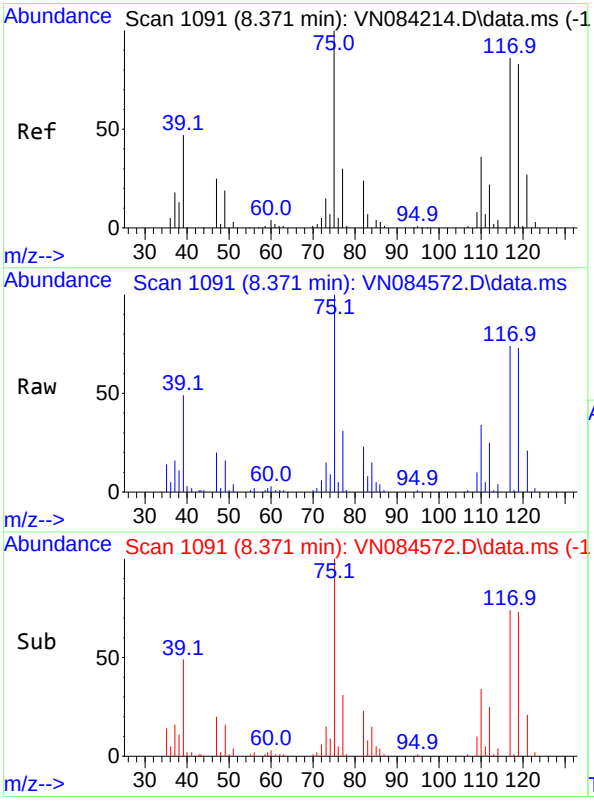
#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 41686

Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	17.4	13.5	20.3

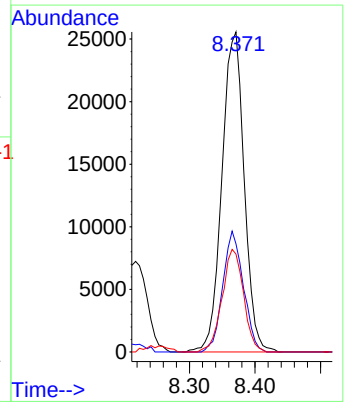


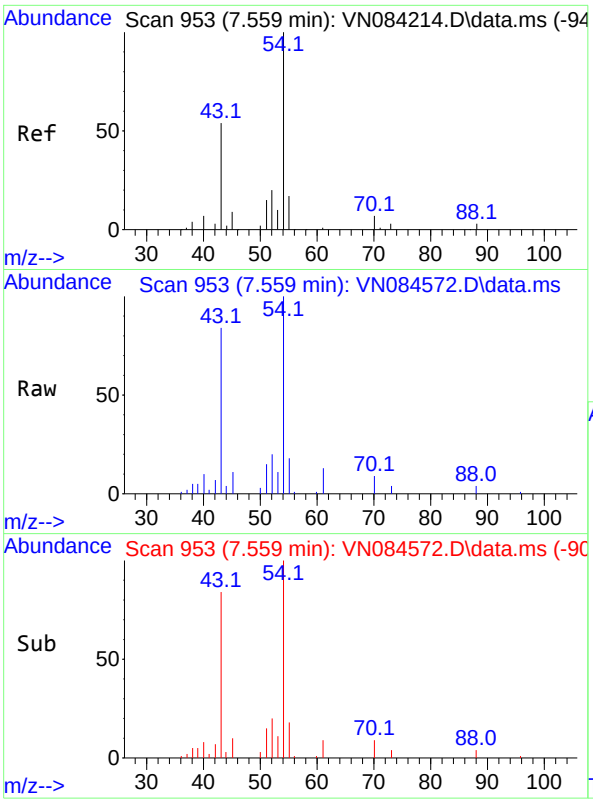


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 60208

Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	30.9	24.7	37.1



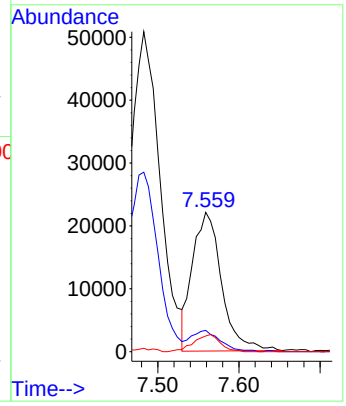


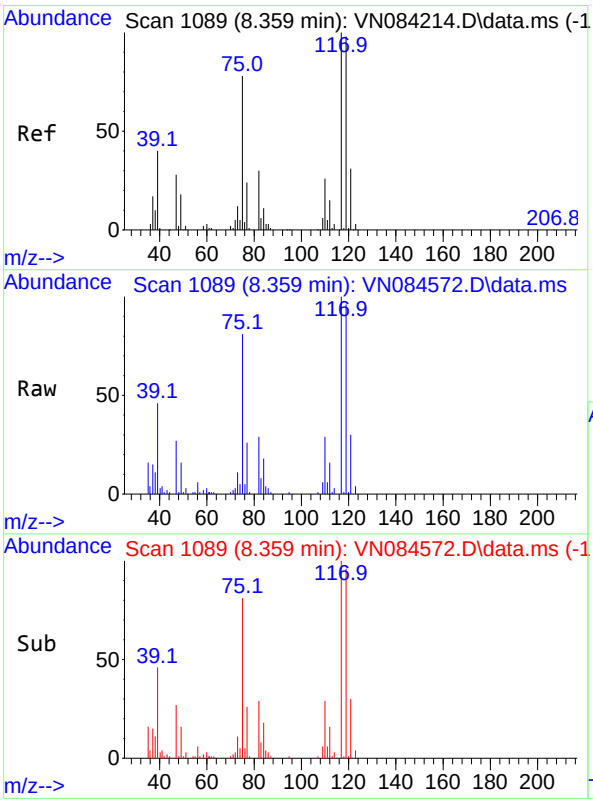
#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 54942

Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.7	16.1
70	11.2	8.8	13.2

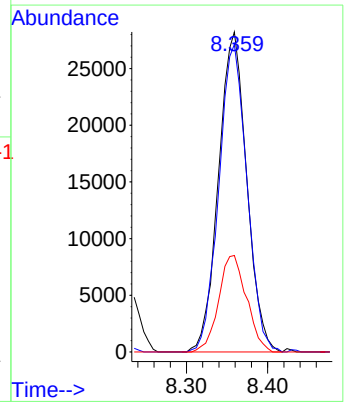


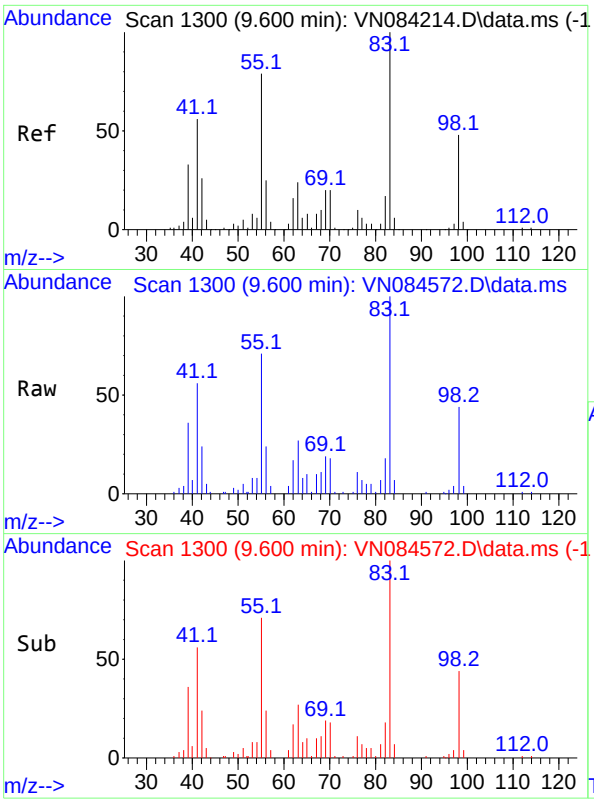


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 68076

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	30.1	24.4	36.6



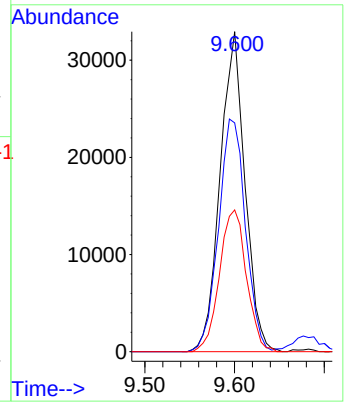


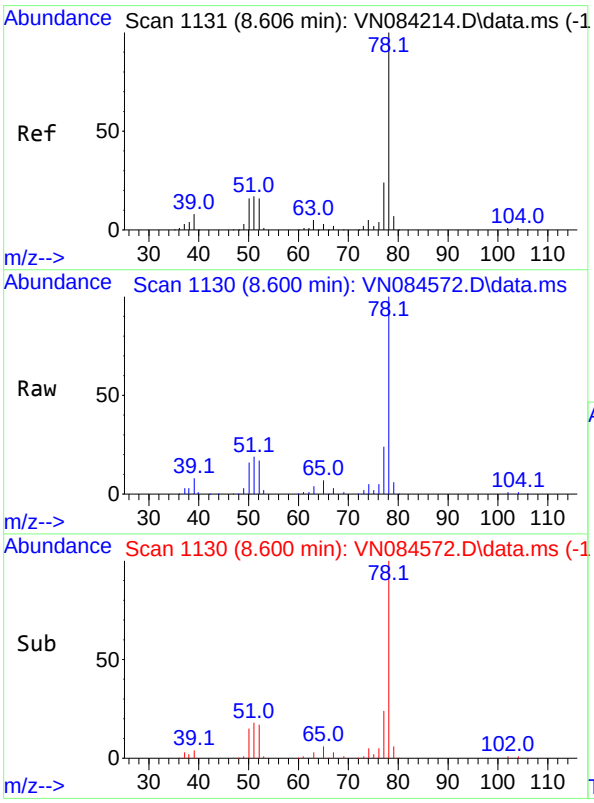
#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 63305

Ion	Ratio	Lower	Upper
83	100		
55	71.5	62.8	94.2
98	44.3	38.8	58.2

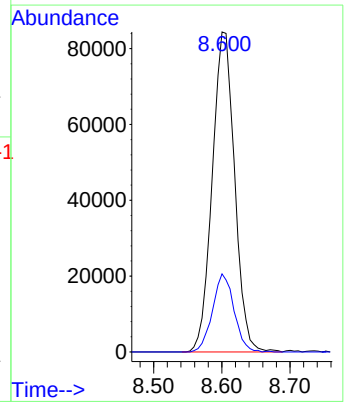


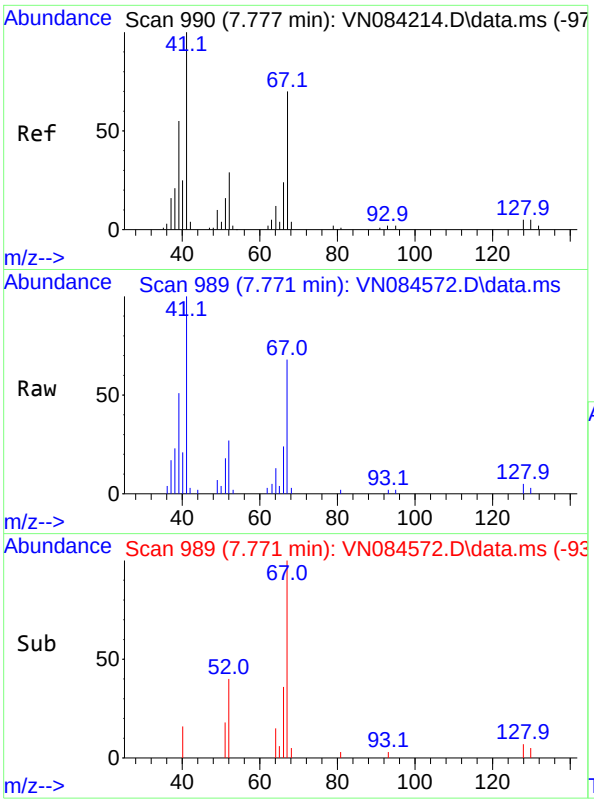


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7



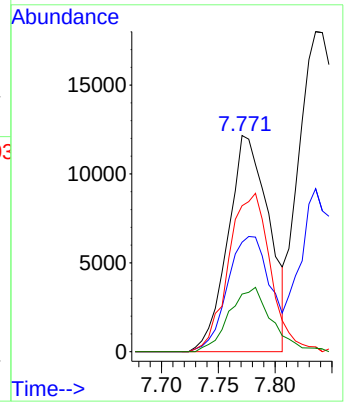


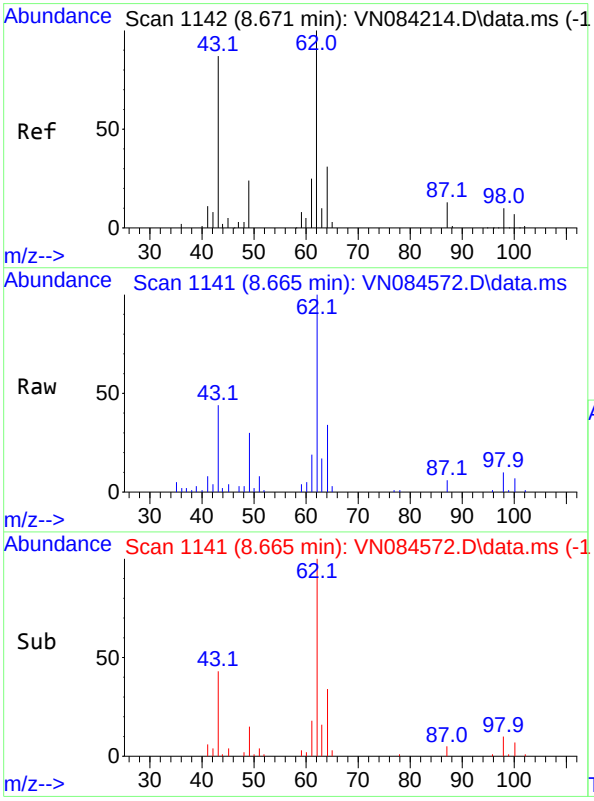
#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 30596

Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	74.5	56.1	84.1
52	30.8	24.5	36.7

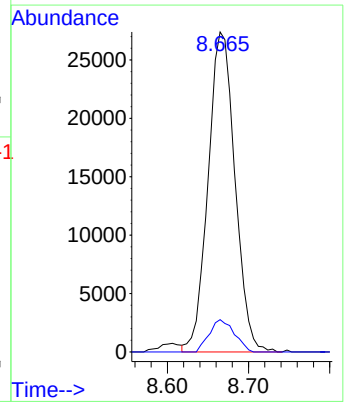


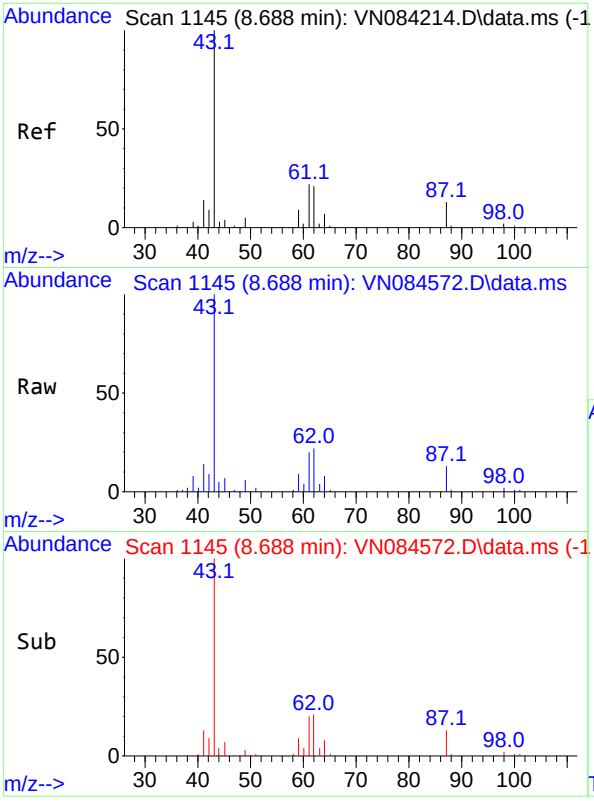


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



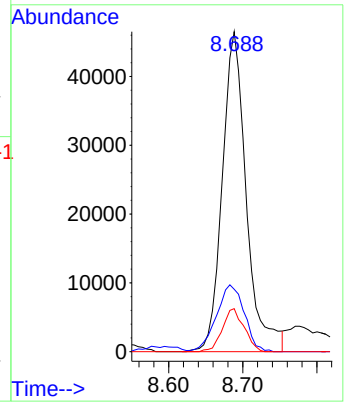


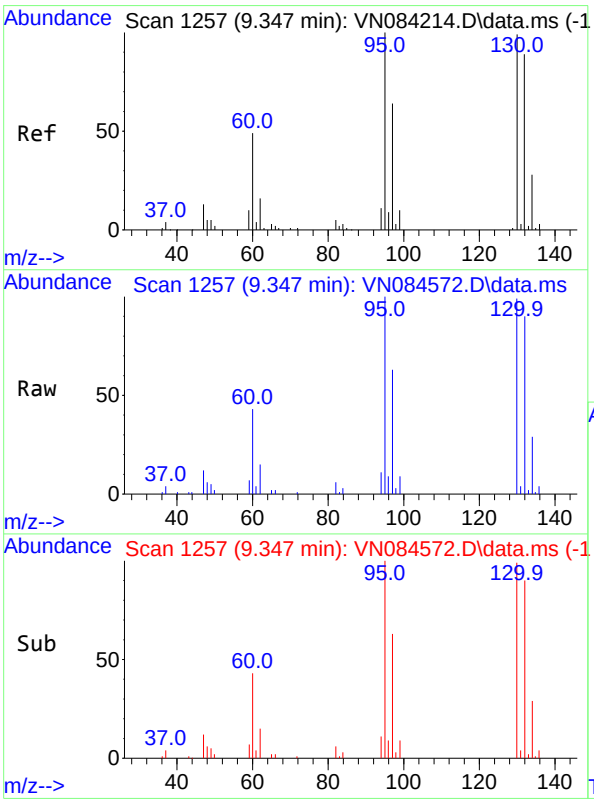
#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 104951

Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5

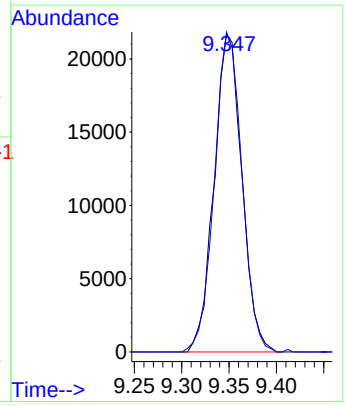


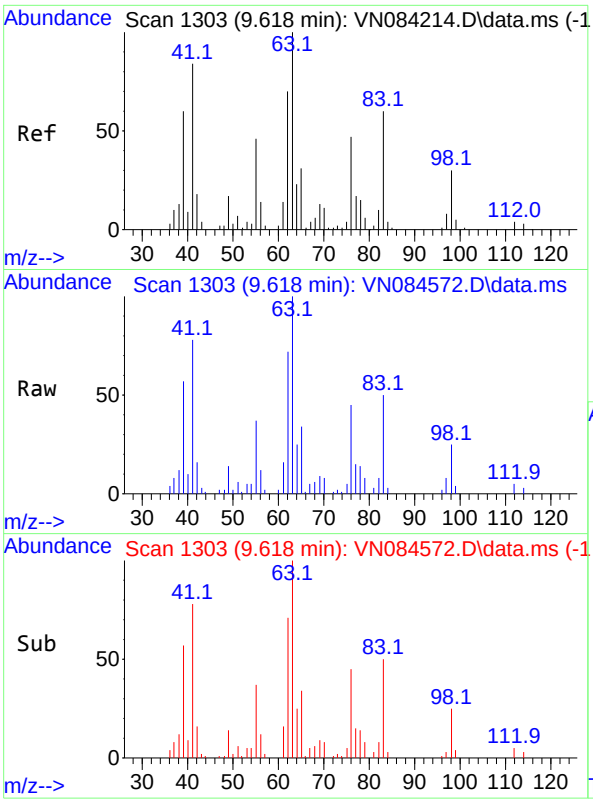


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0



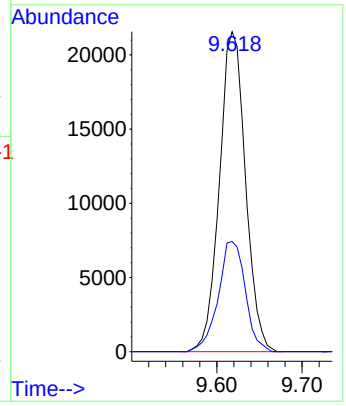


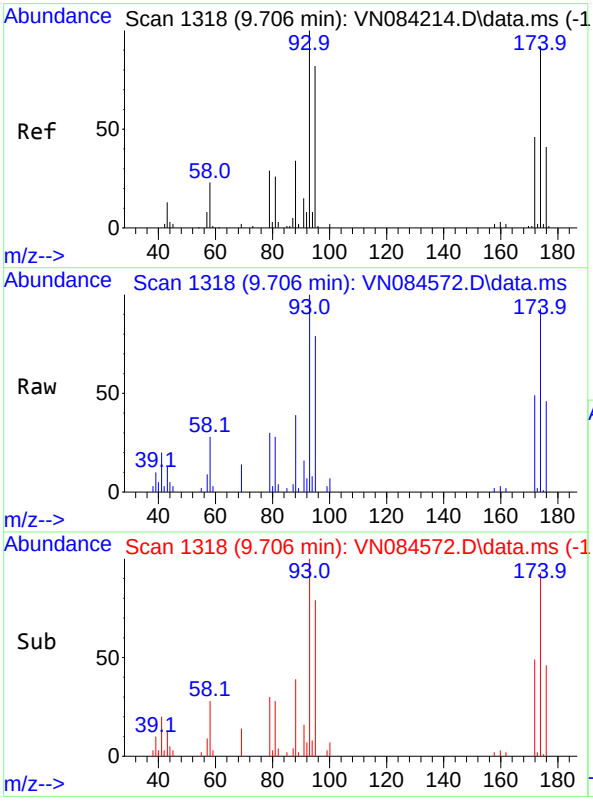
#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 45764

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0

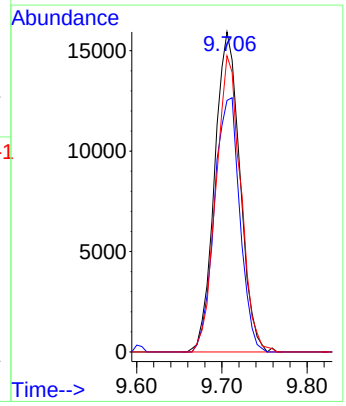


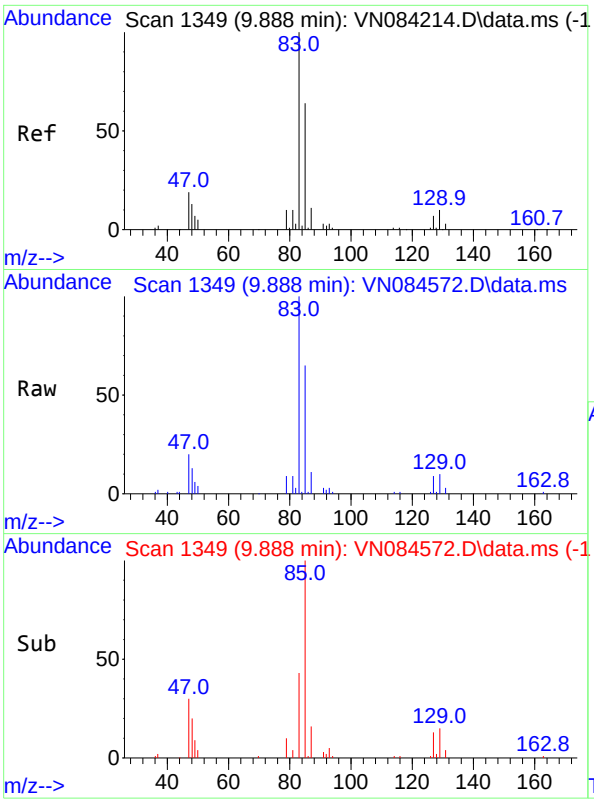


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 93 Resp: 32857

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.0	97.4
174	90.6	71.8	107.8



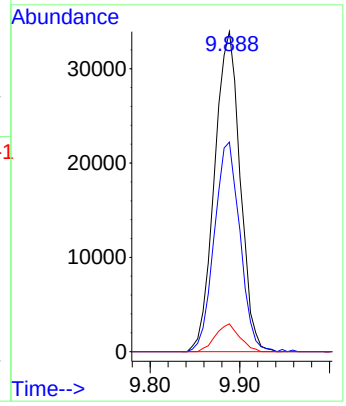


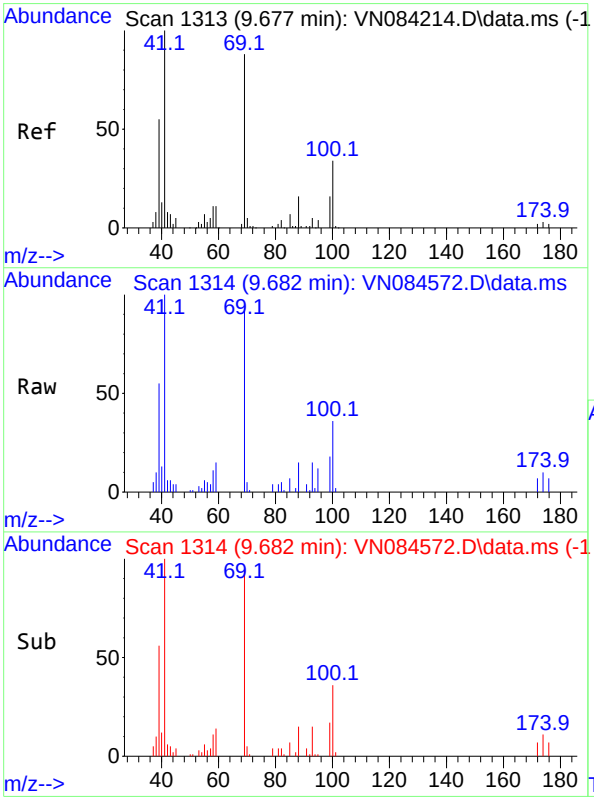
#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 67288

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	8.7	5.7	8.5#

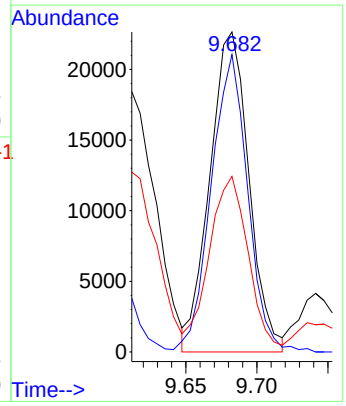


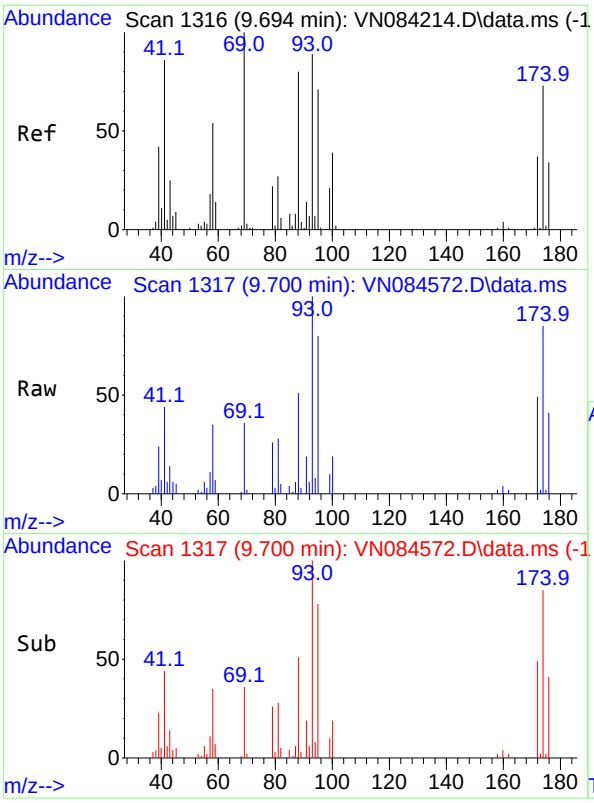


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 43398

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.1	45.8	68.6



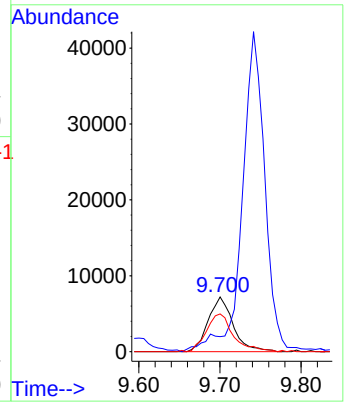


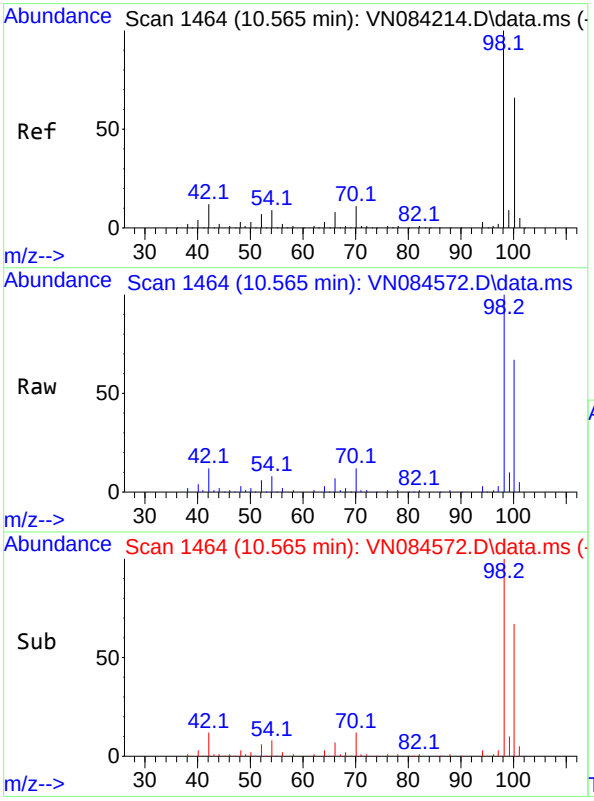
#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 15417

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.6	56.4	84.6

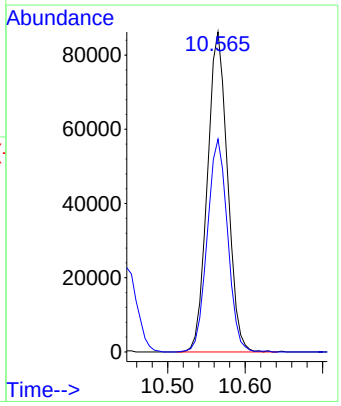


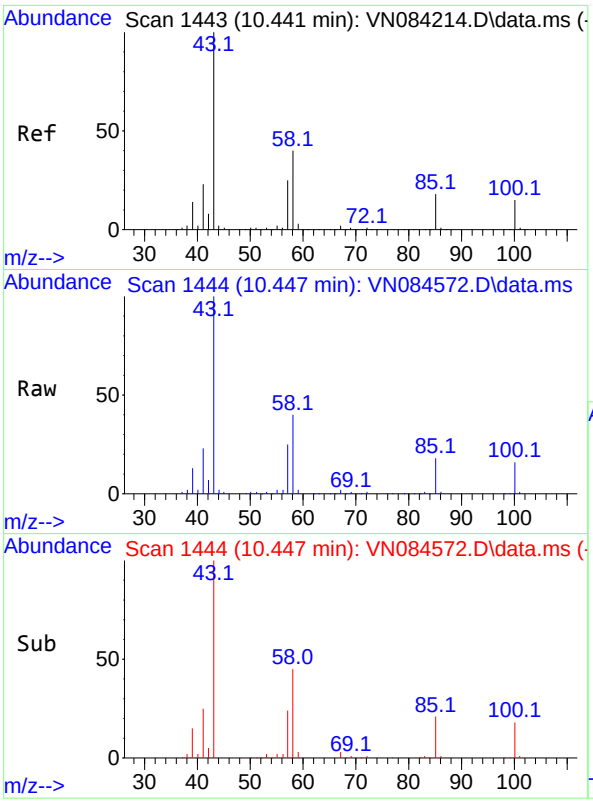


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1



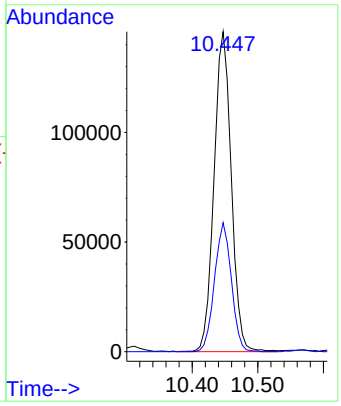


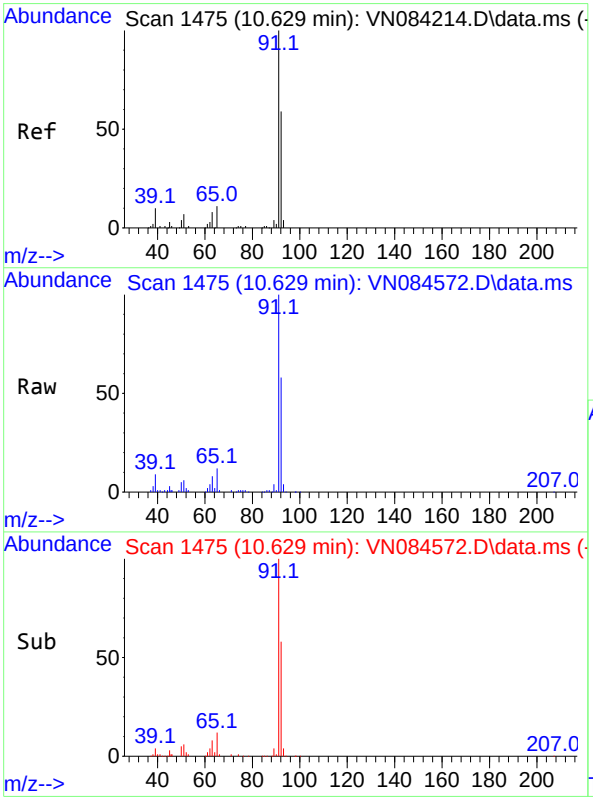
#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 266010

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4

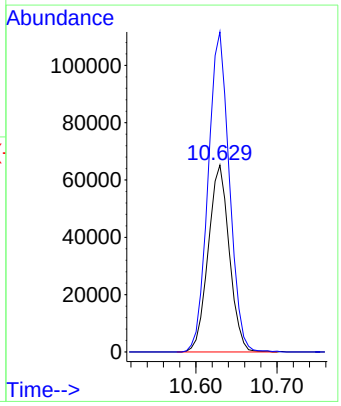


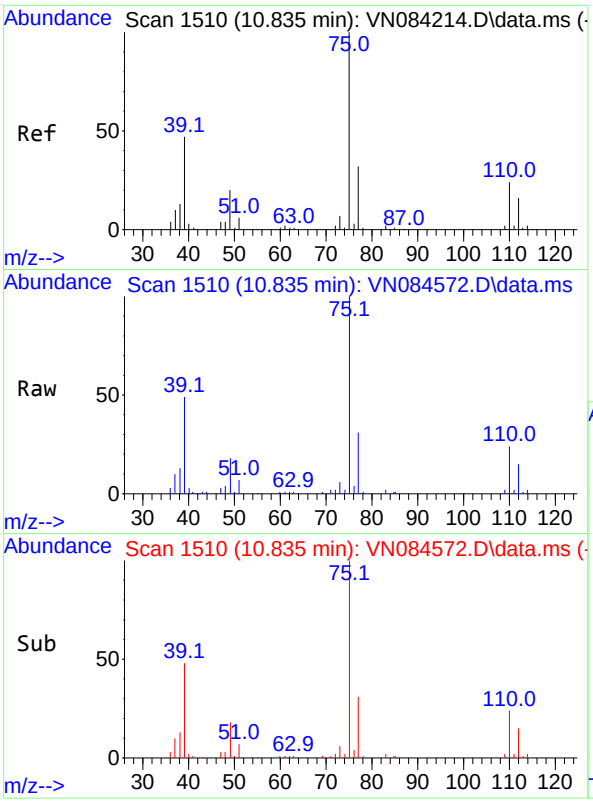


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9



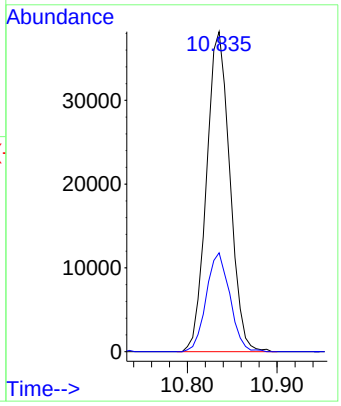


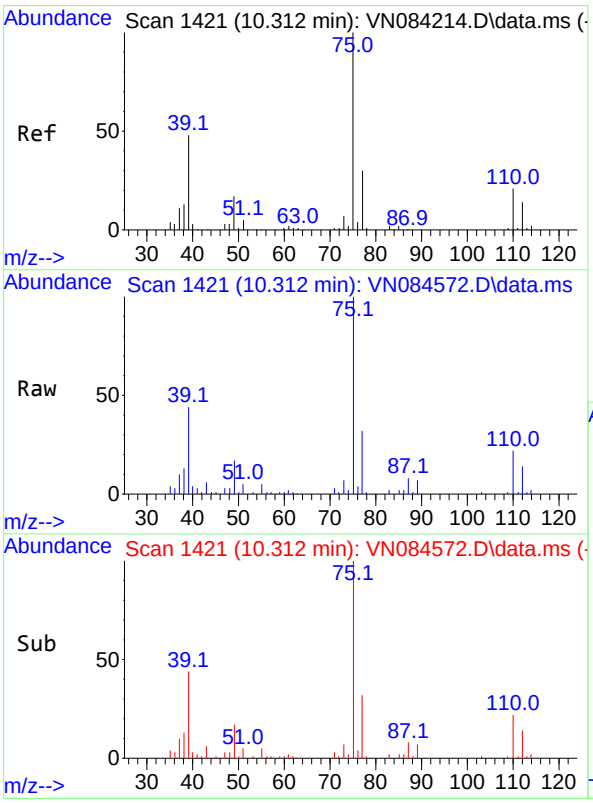
#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 68847

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

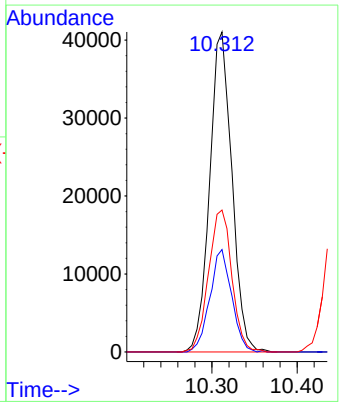


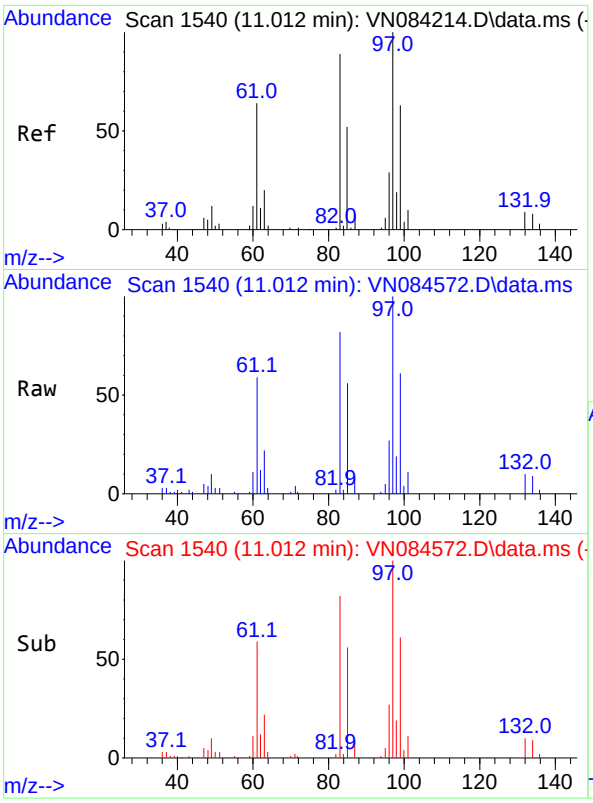


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 74498

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	44.3	38.7	58.1



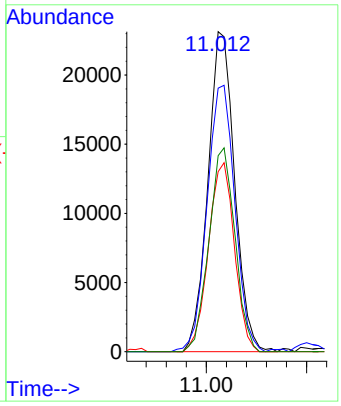


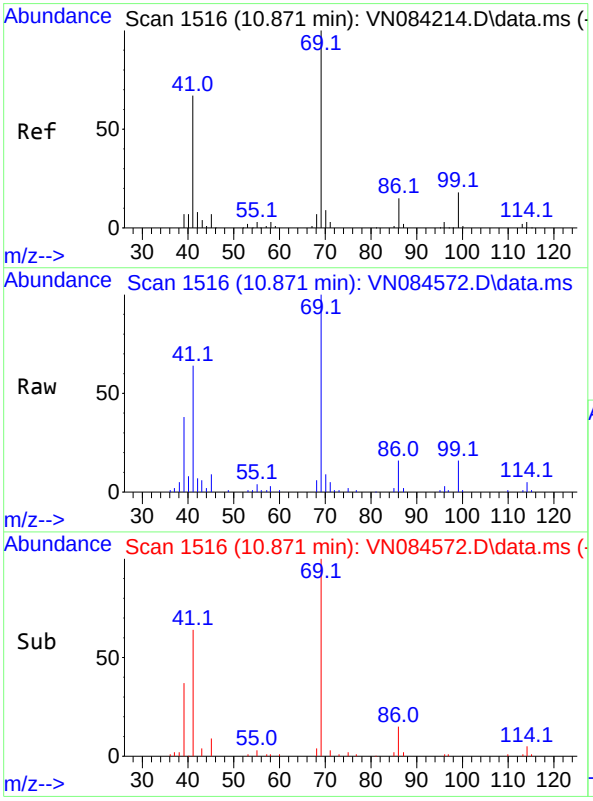
#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 42791

Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	56.2	41.7	62.5
99	61.2	50.1	75.1

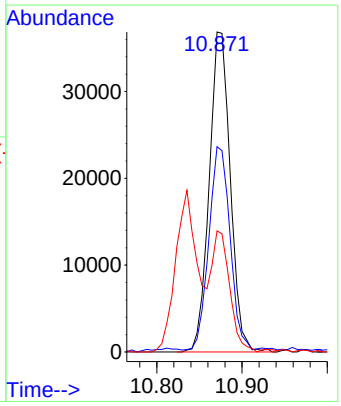


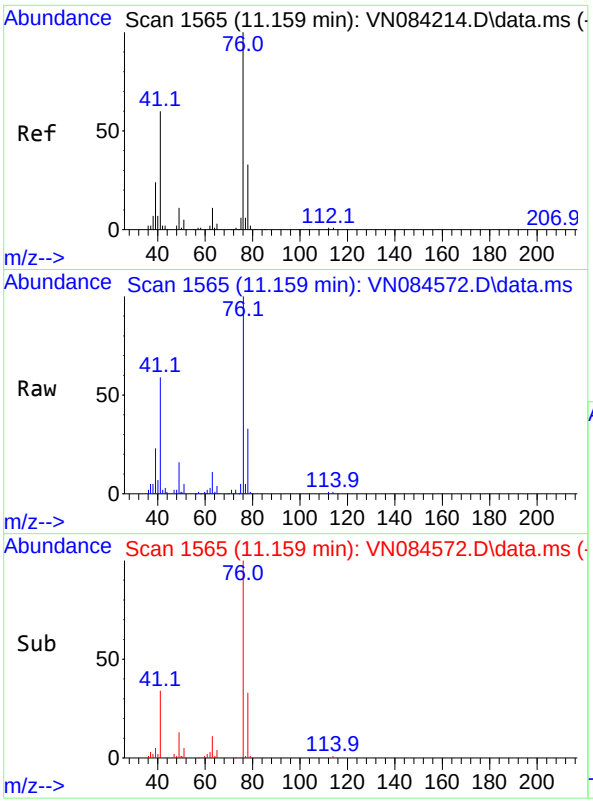


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 69 Resp: 63347

Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.3	79.9
39	31.9	28.8	43.2



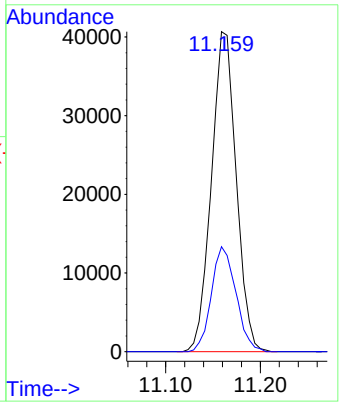


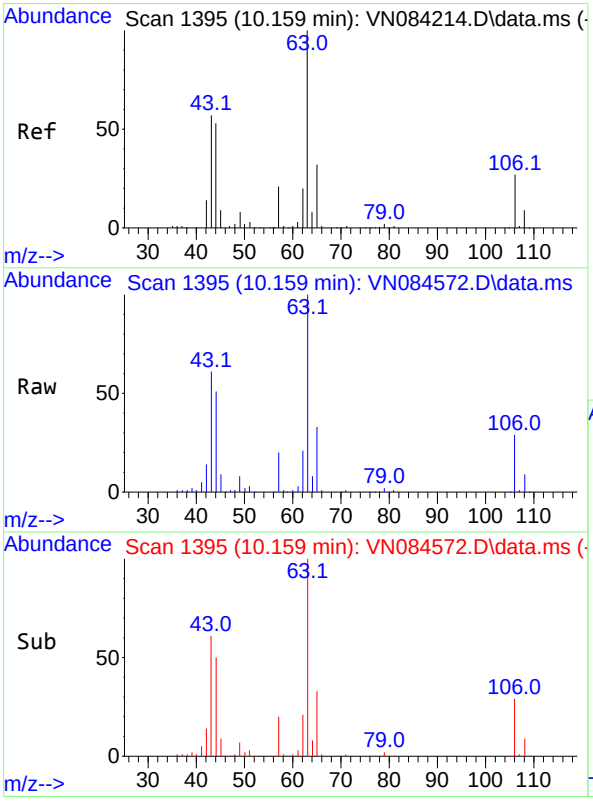
#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 74082

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

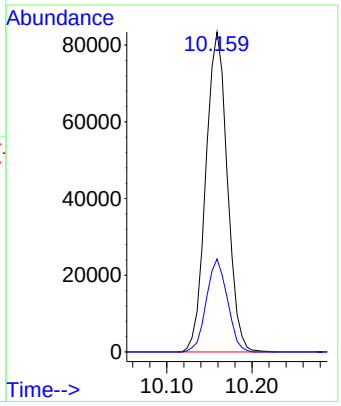


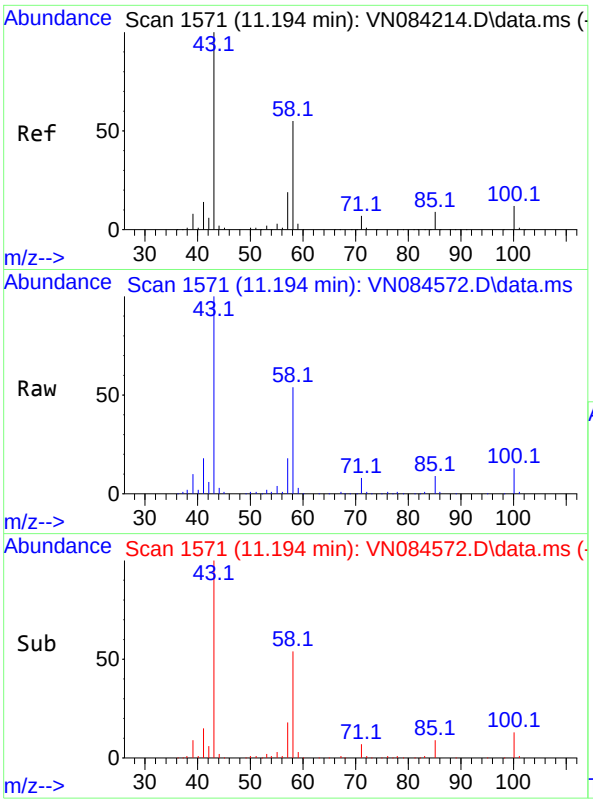


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



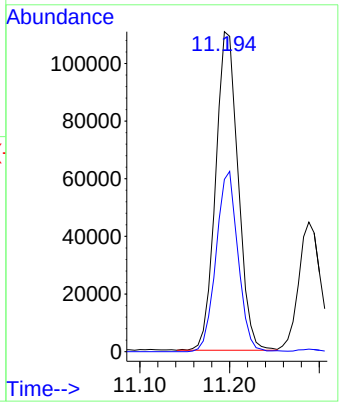


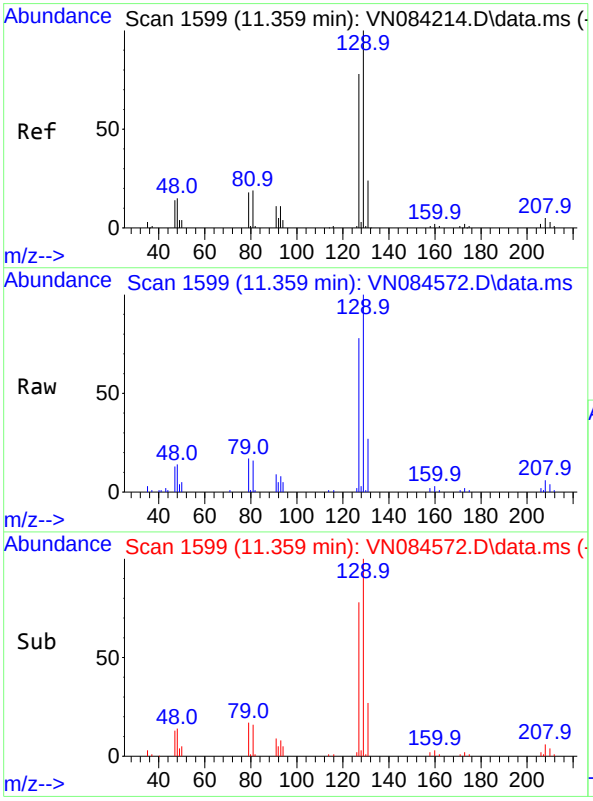
#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 192335

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

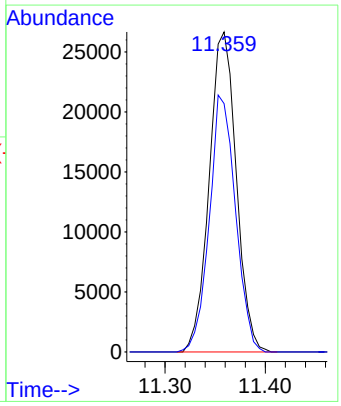


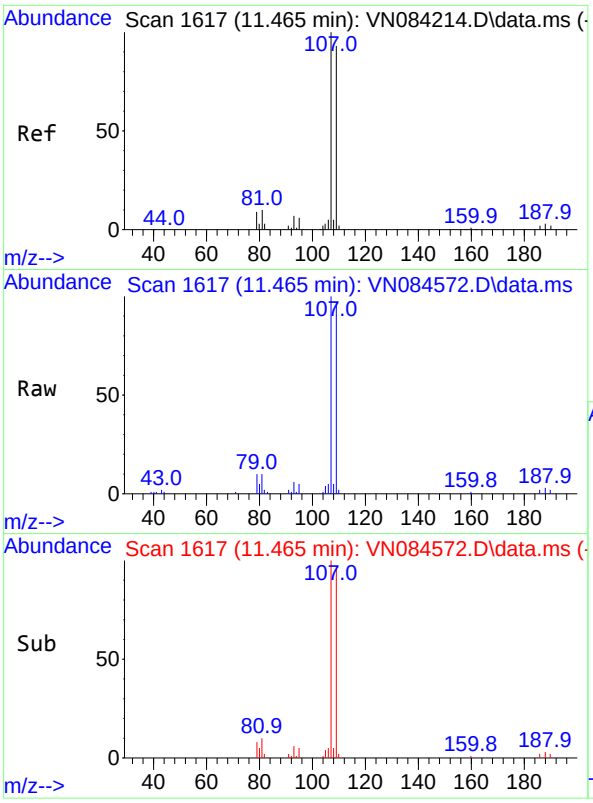


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9



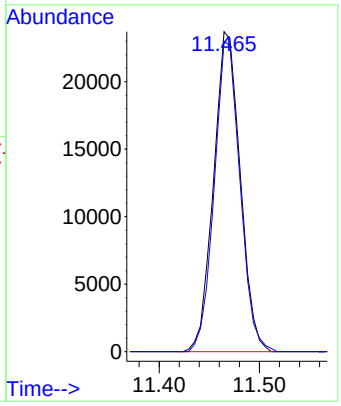


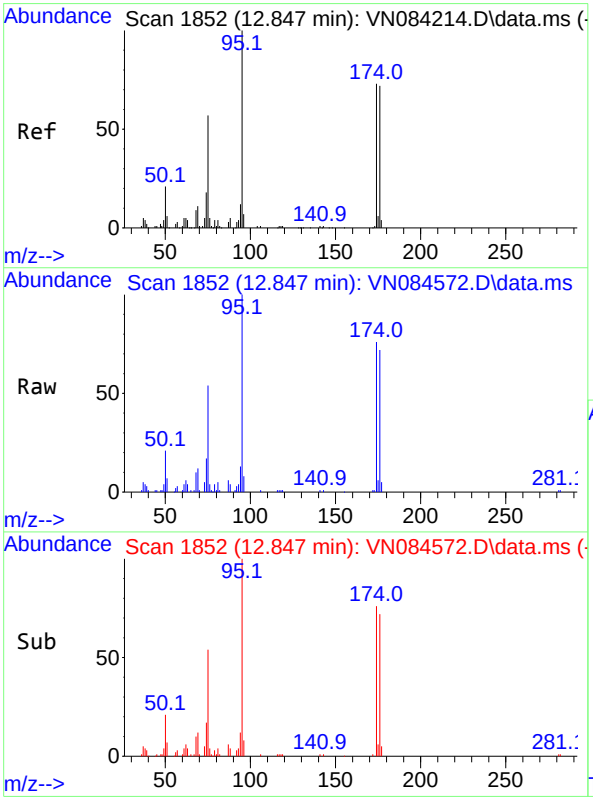
#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 43666

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

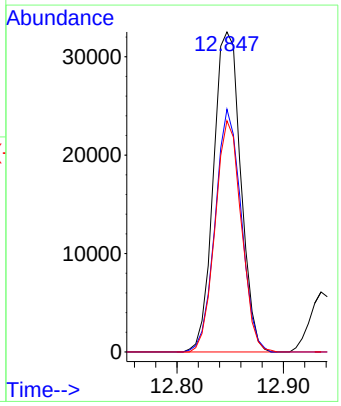


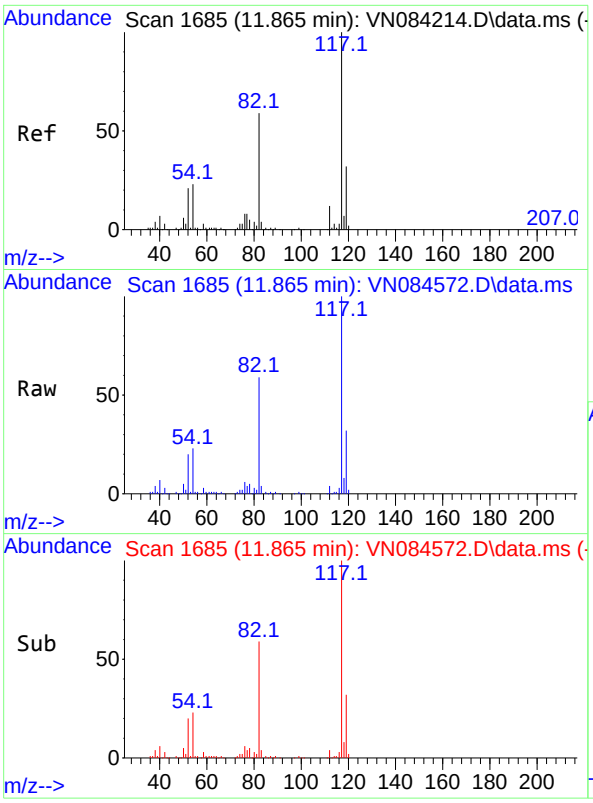


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 95 Resp: 57622

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	145.2
176	69.4	0.0	140.0



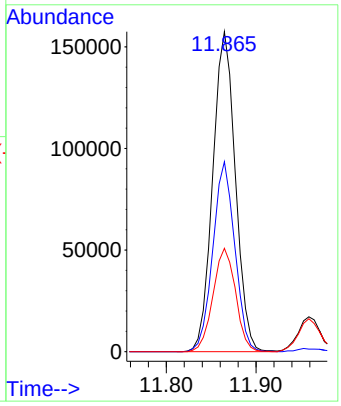


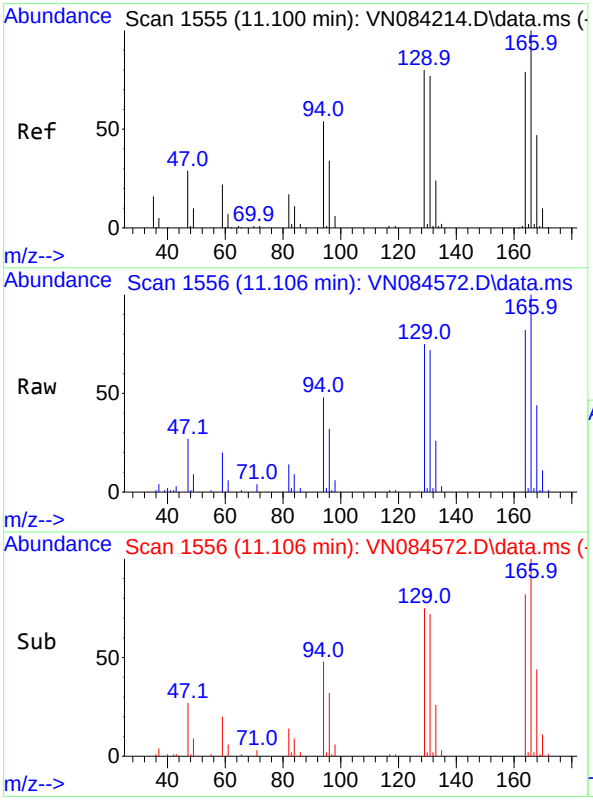
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 275857

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0

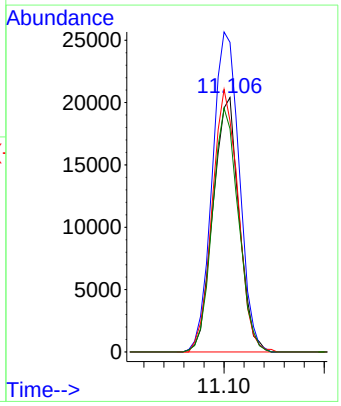


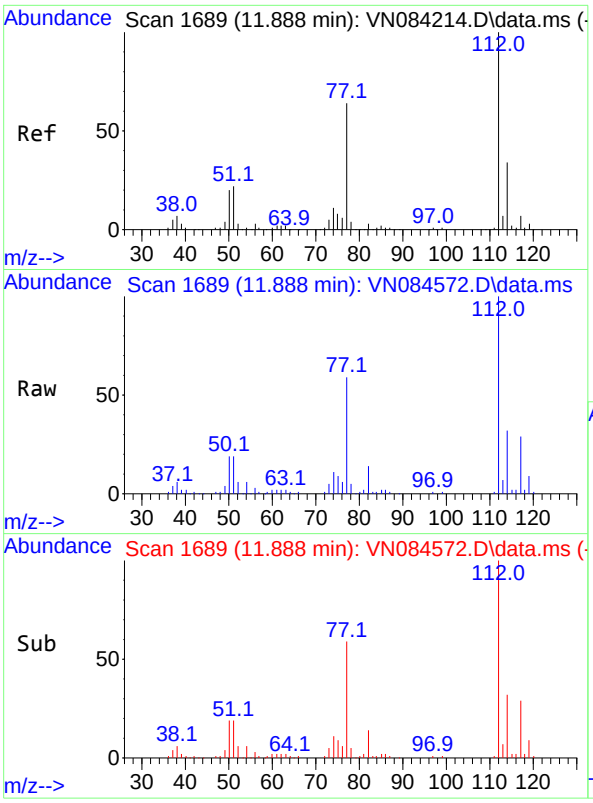


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:164 Resp: 36798

Ion	Ratio	Lower	Upper
164	100		
166	121.7	101.0	151.4
129	90.9	80.8	121.2
131	87.7	78.1	117.1



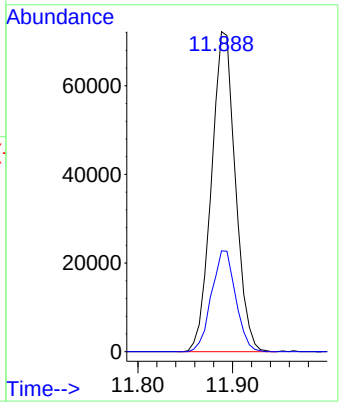


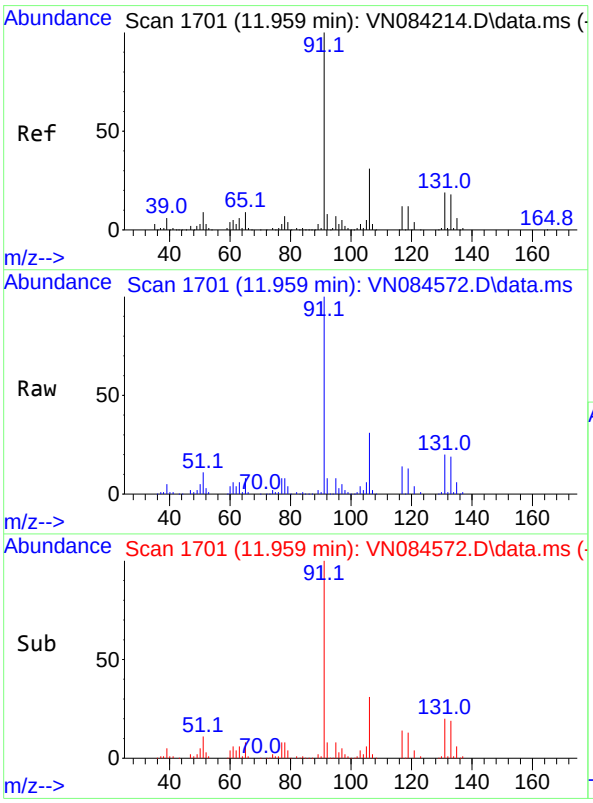
#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 126753

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6

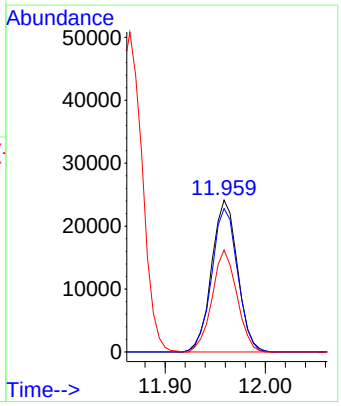


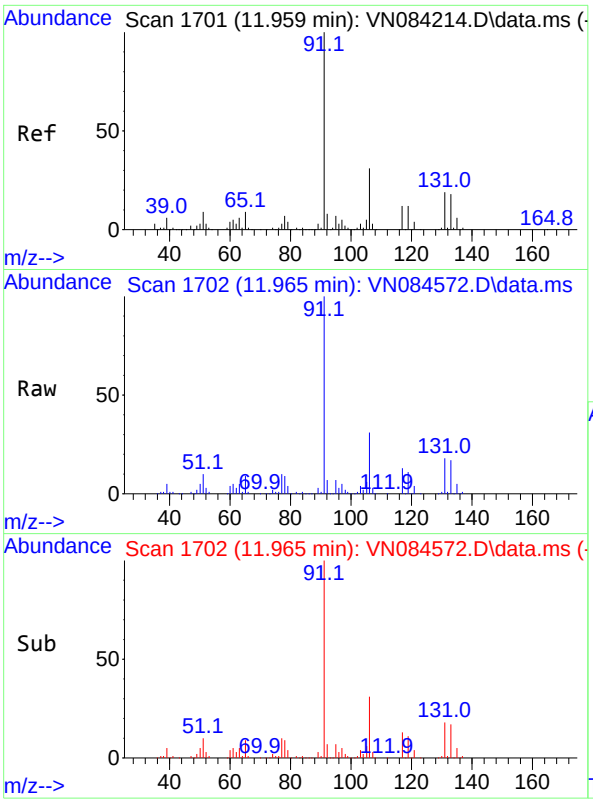


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:131 Resp: 43201

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	64.3	32.8	98.3



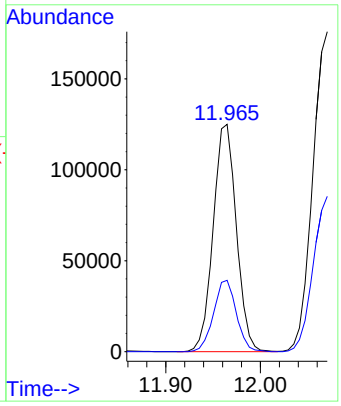


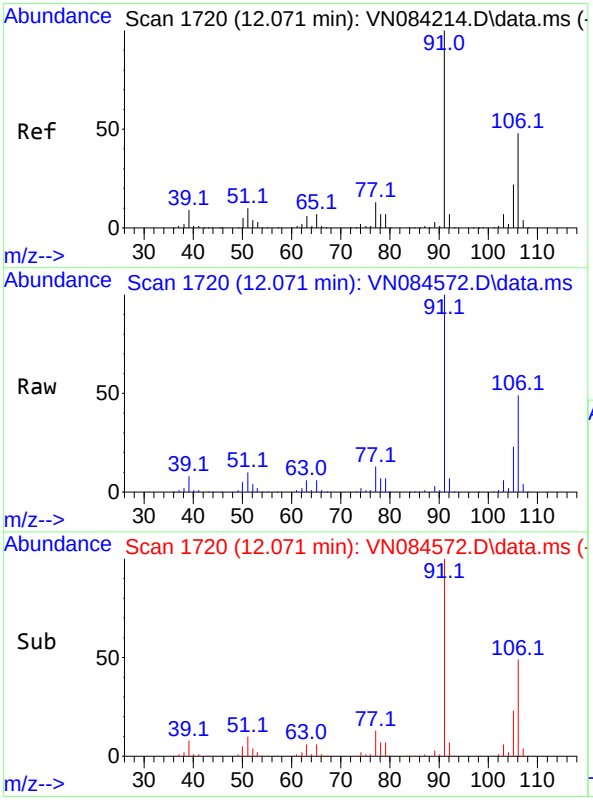
#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 212737

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7

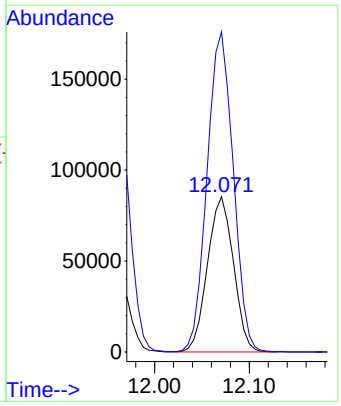


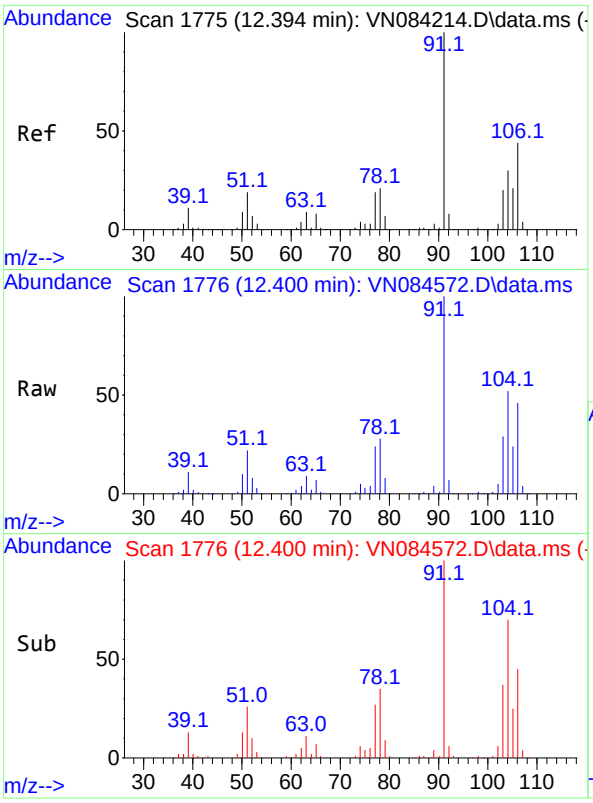


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7



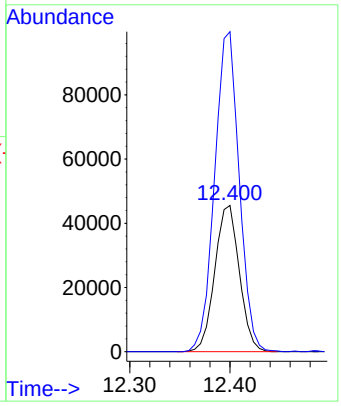


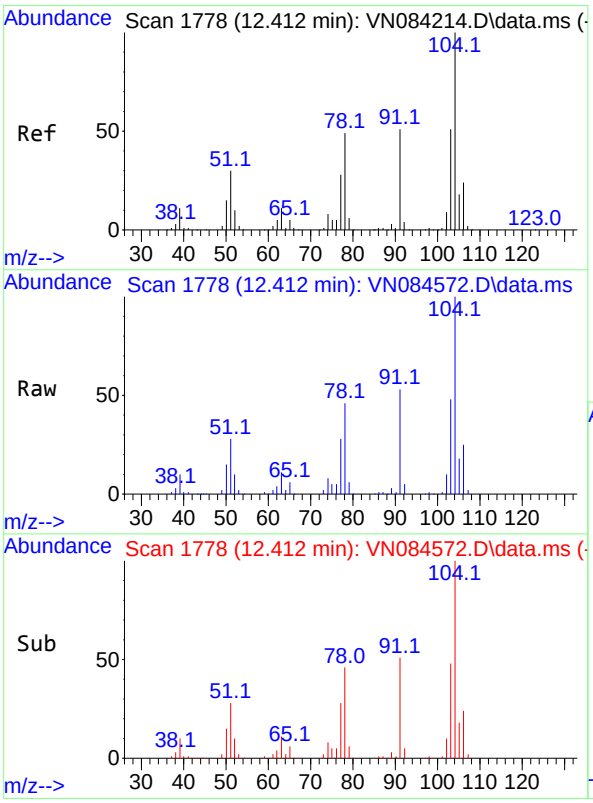
#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 77396

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6

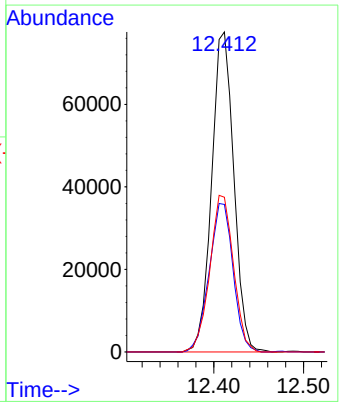


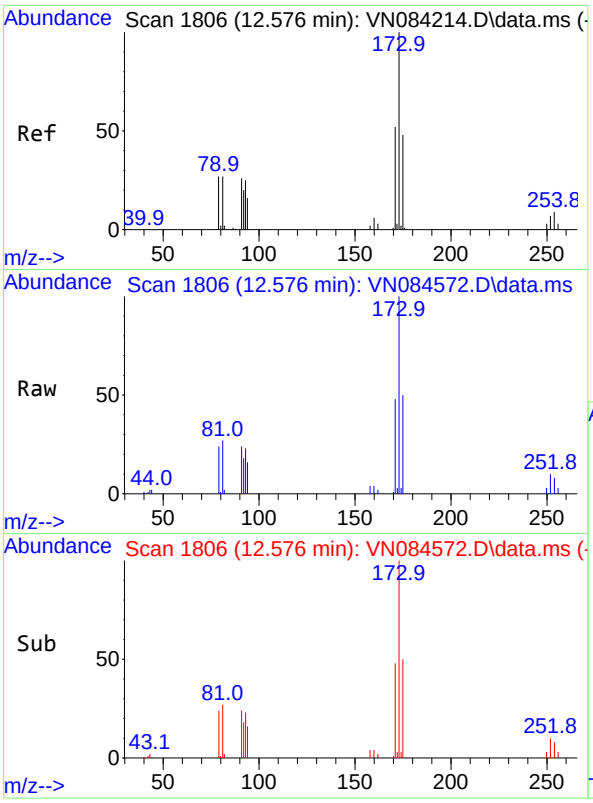


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:104 Resp: 133059

Ion	Ratio	Lower	Upper
104	100		
78	50.1	42.7	64.1
103	52.2	43.6	65.4



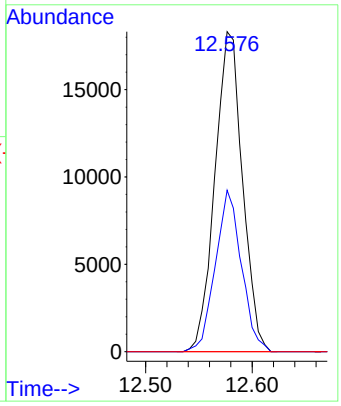


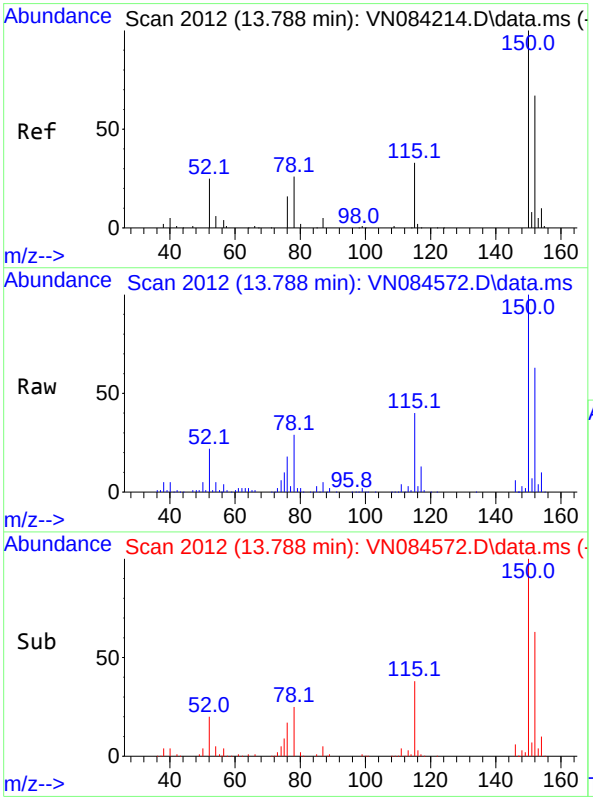
#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 32901

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0

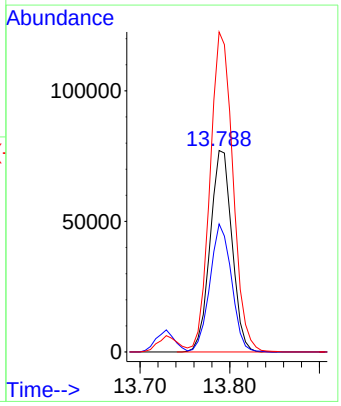


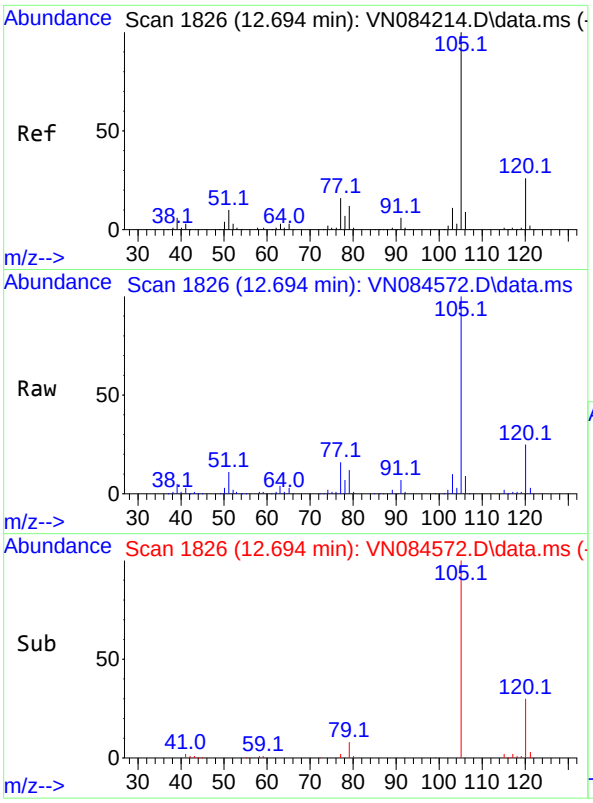


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:152 Resp: 130374

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	166.7	0.0	349.8



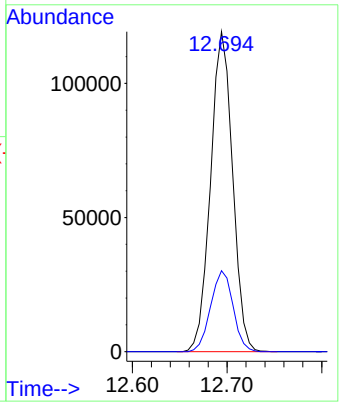


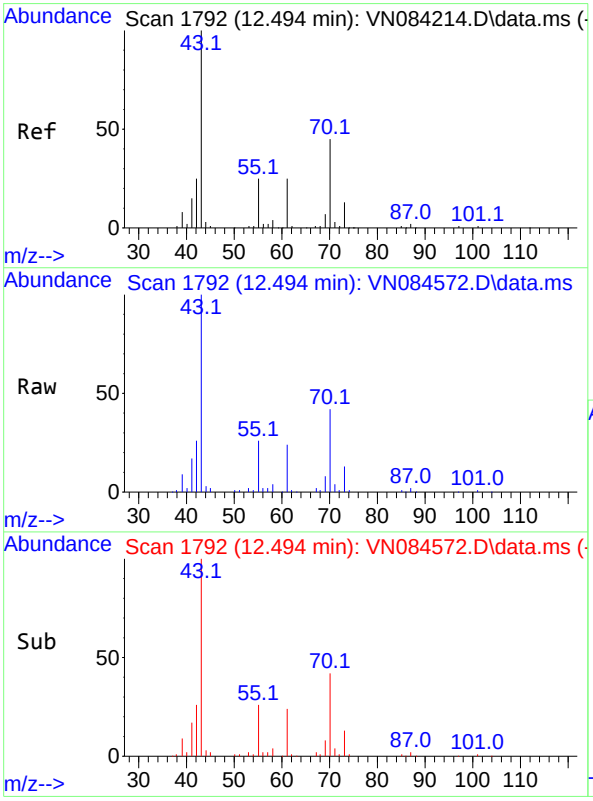
#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 193023

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

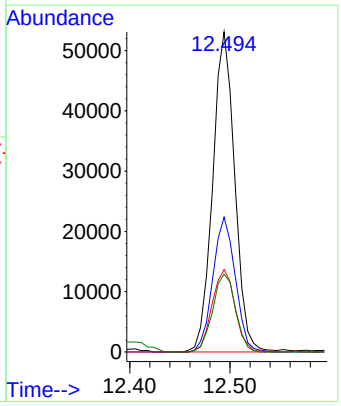


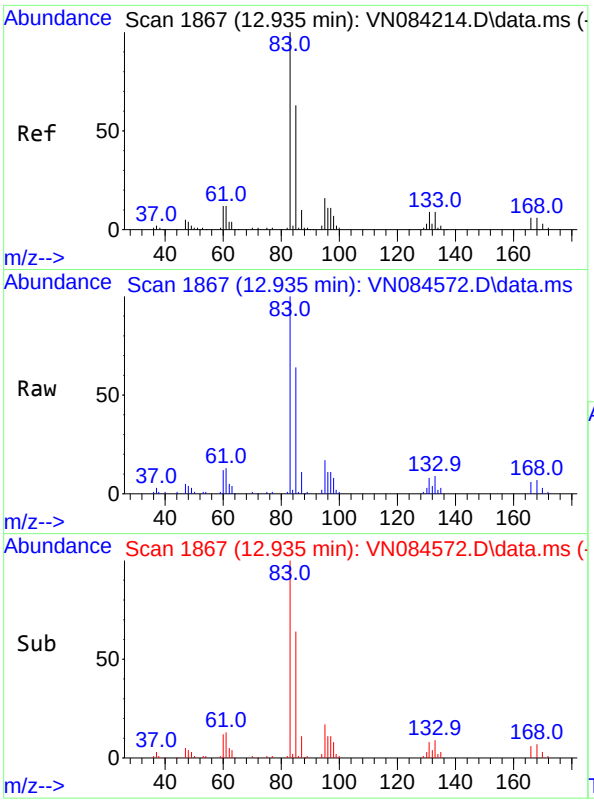


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 80939

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.4	51.6
55	26.8	19.6	29.4
61	25.2	19.6	29.4



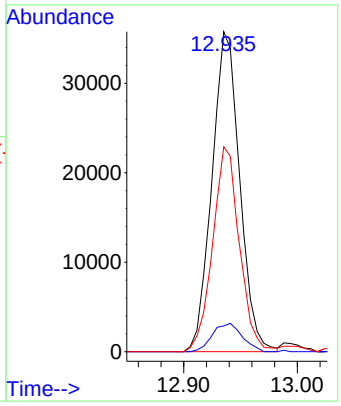


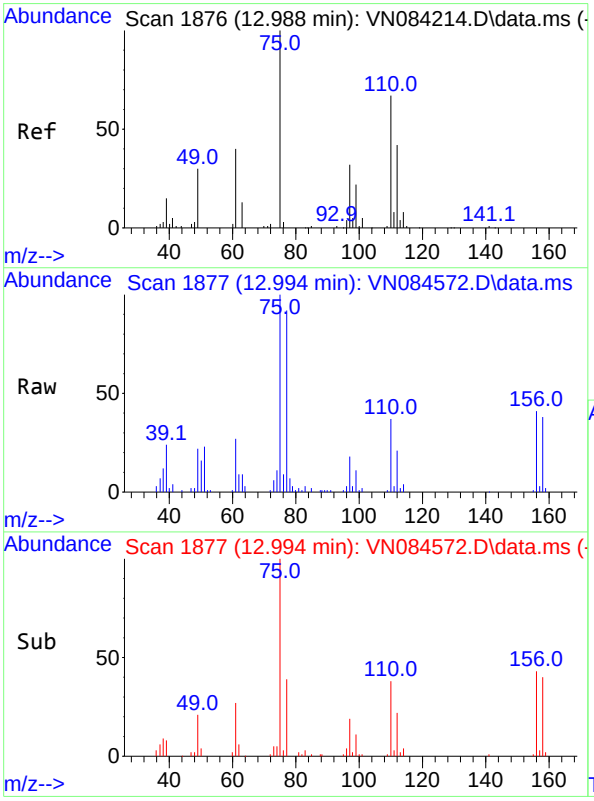
#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 60645

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	61.8	31.9	95.7

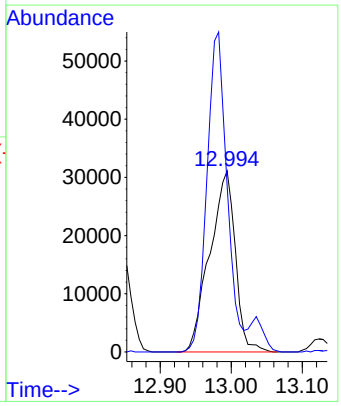


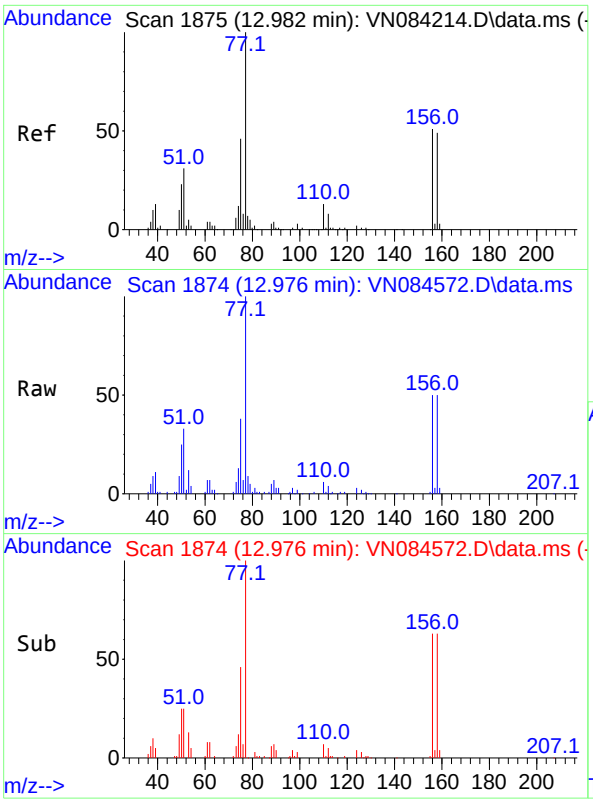


#76
1,2,3-Trichloropropane
Concen: 30.169 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 77615

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



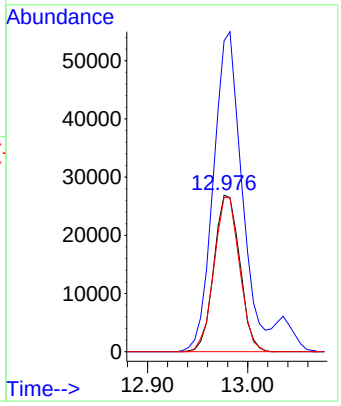


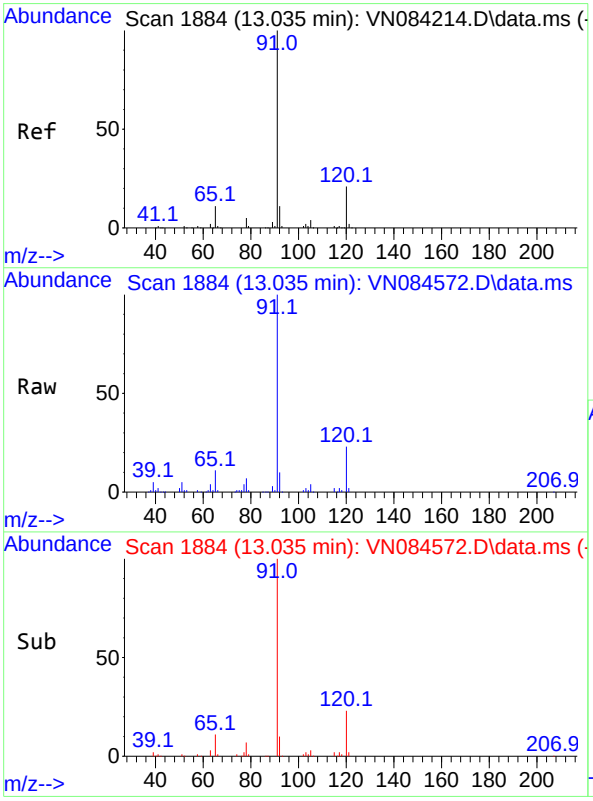
#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 48017

Ion	Ratio	Lower	Upper
156	100		
77	224.2	115.1	345.3
158	97.5	48.9	146.8

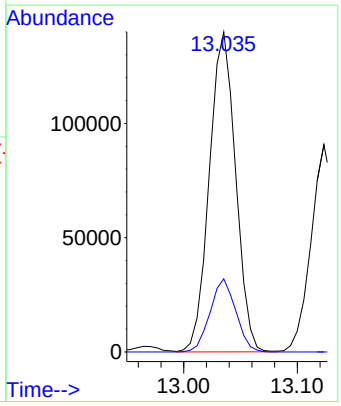


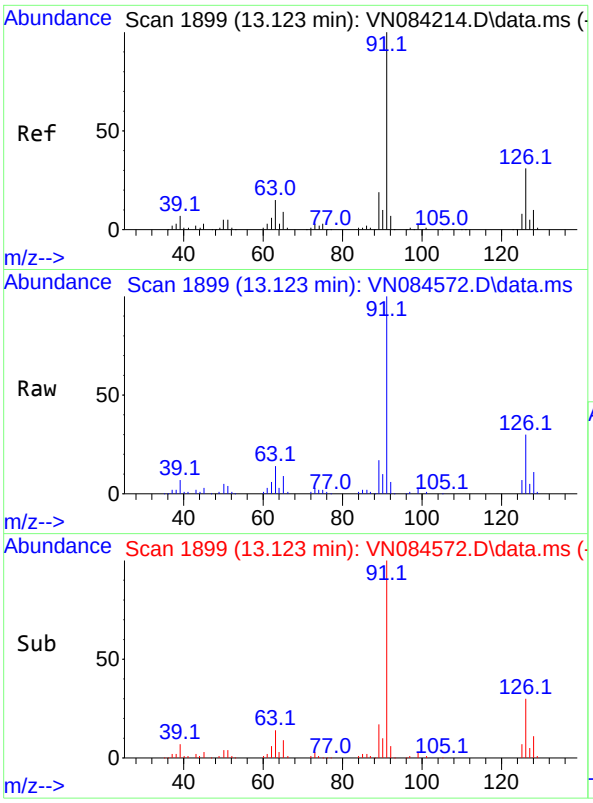


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



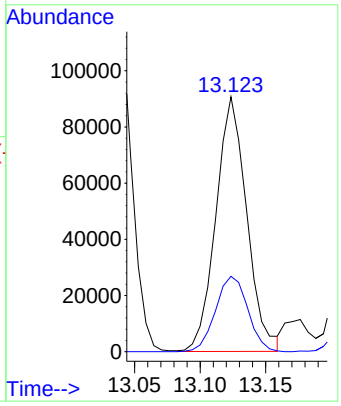


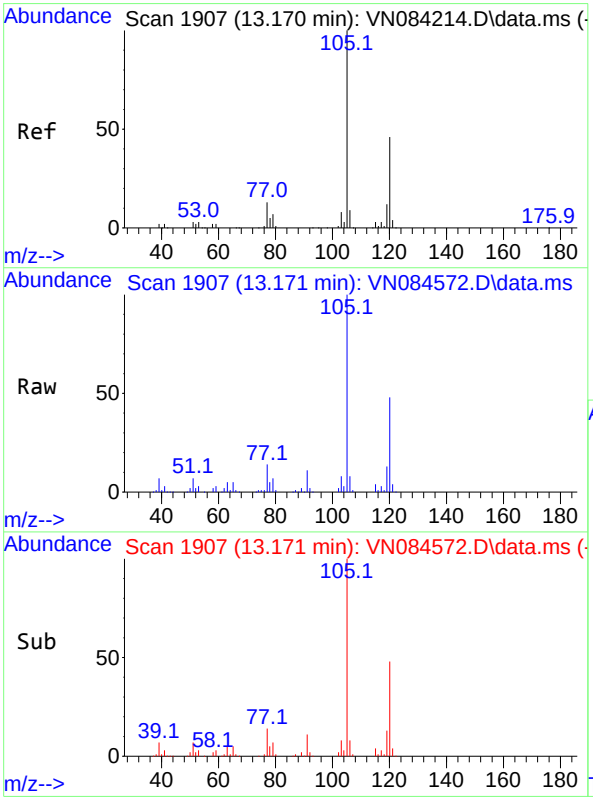
#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 148533

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1

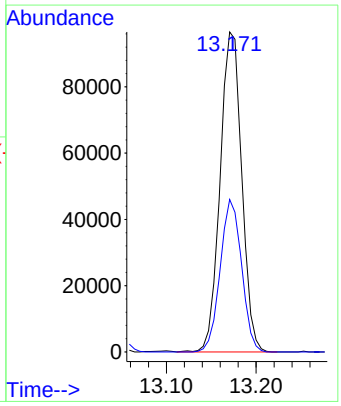


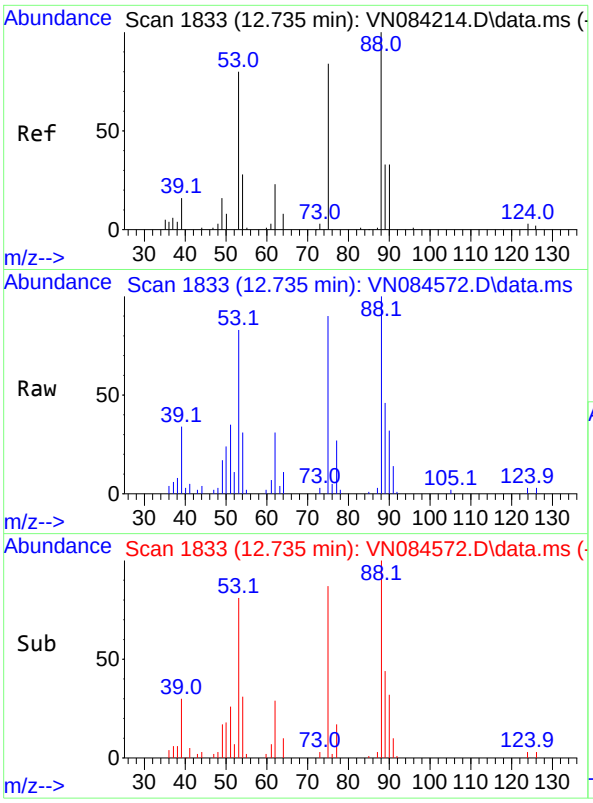


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



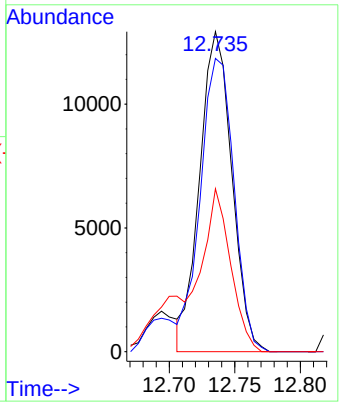


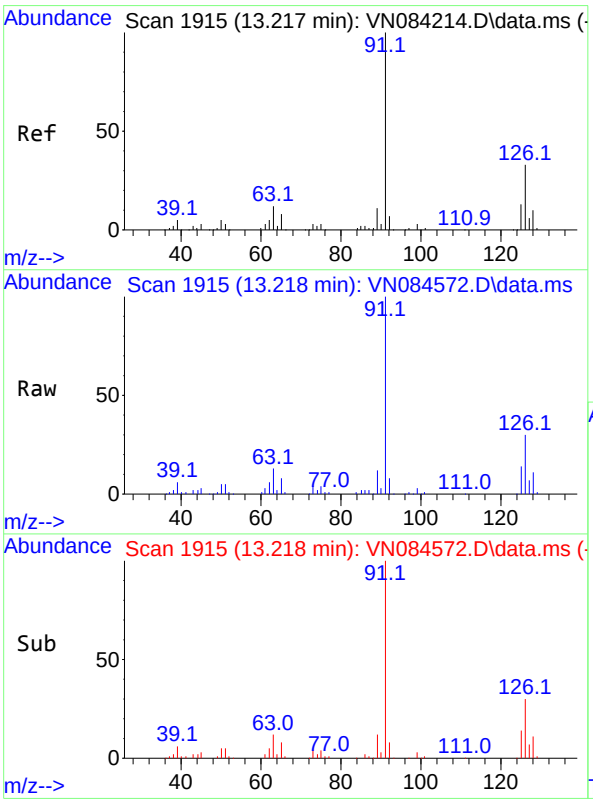
#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 22047

Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.0	117.0
89	64.0	35.5	53.3#

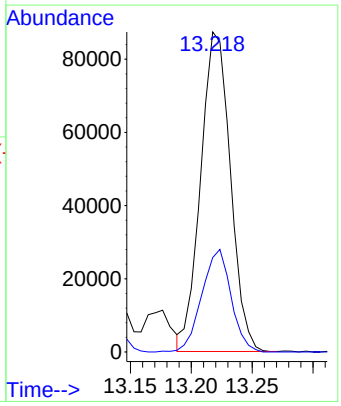


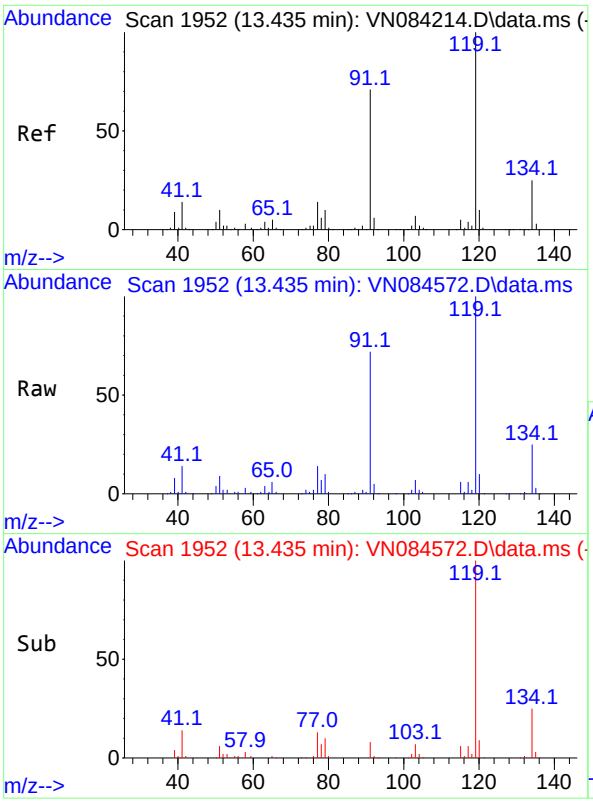


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



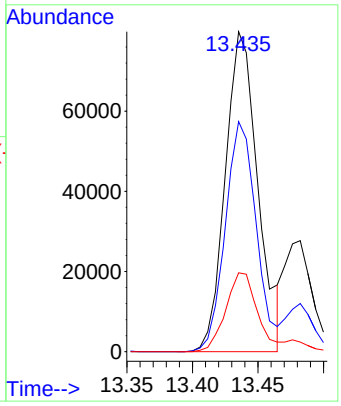


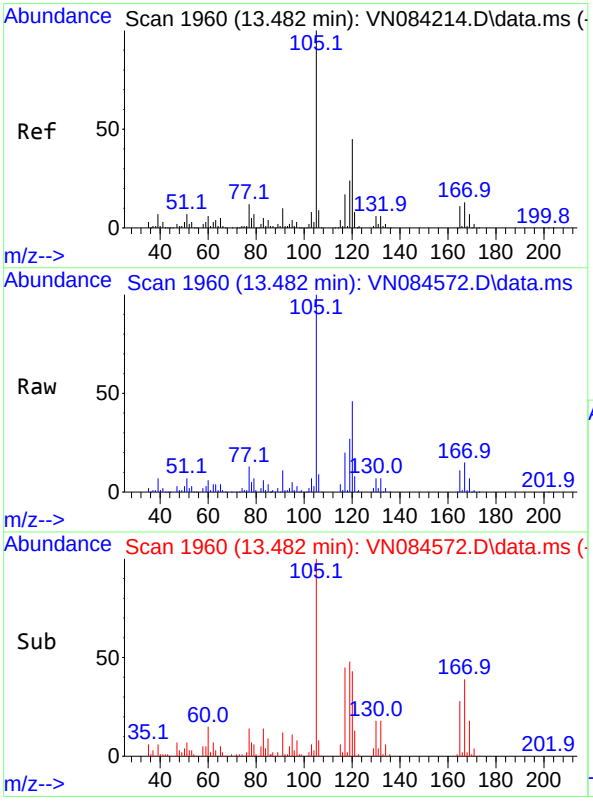
#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 138079

Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4

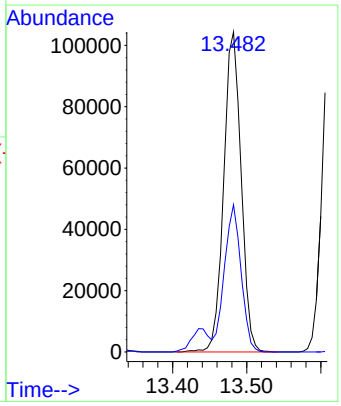


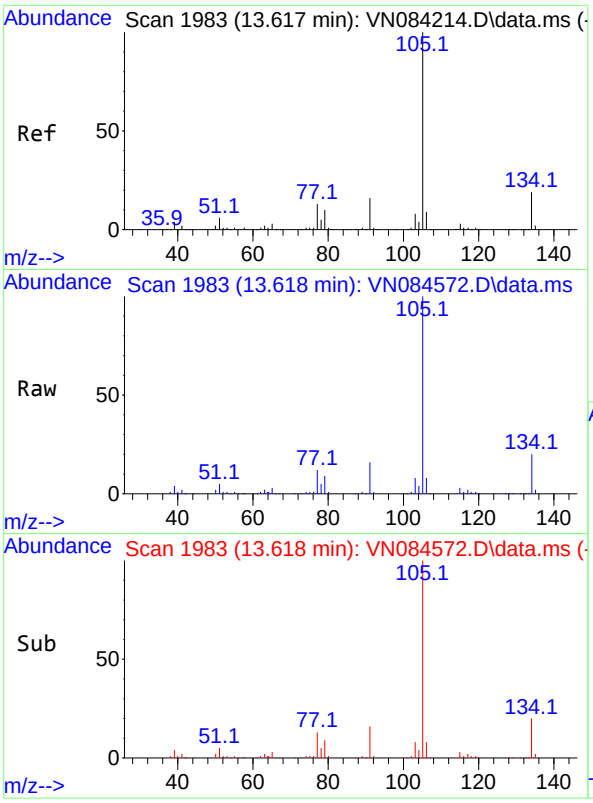


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



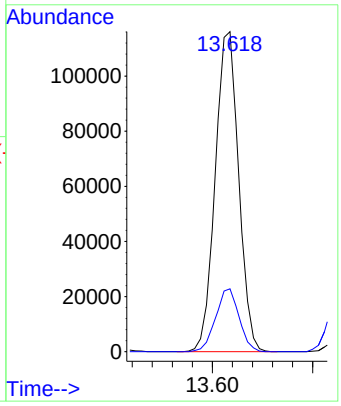


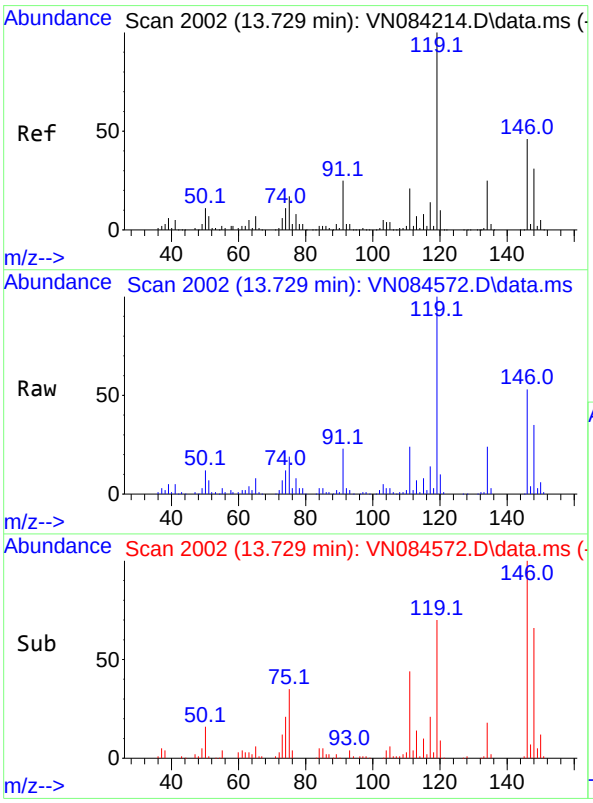
#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 188158

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

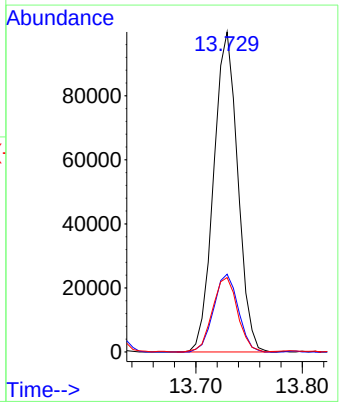


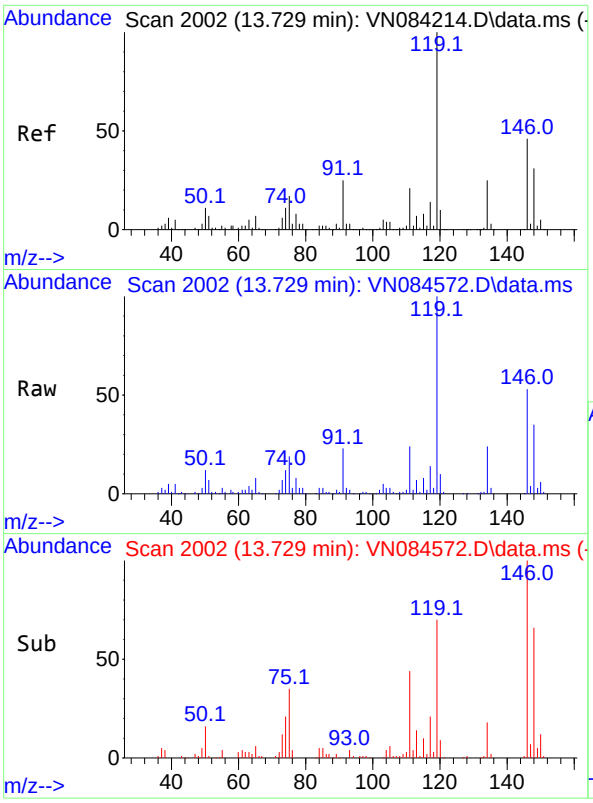


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 156598

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.3	12.4	37.2



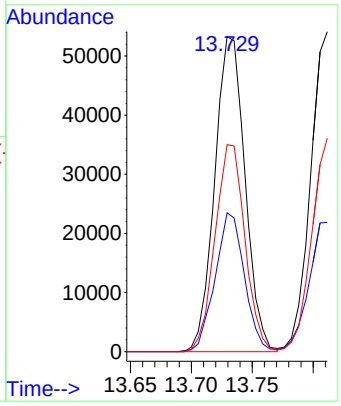


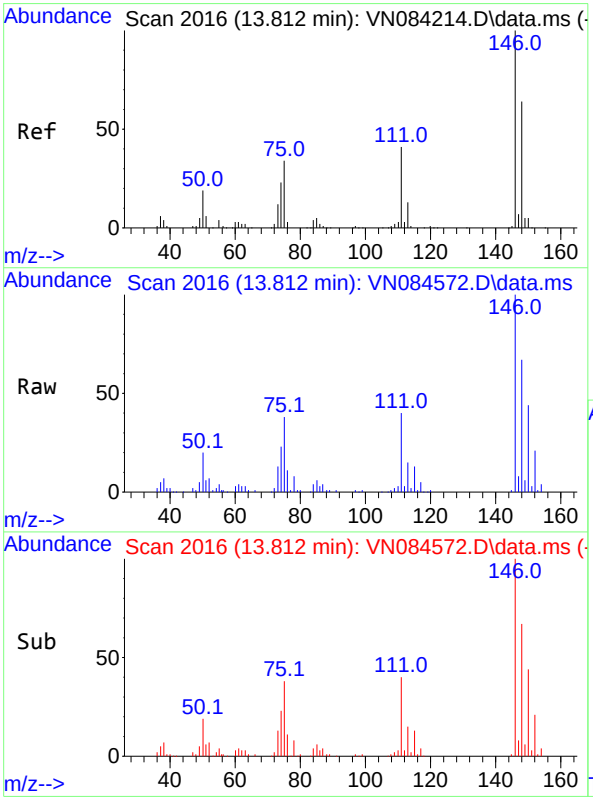
#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 92310

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.8	31.9	95.7

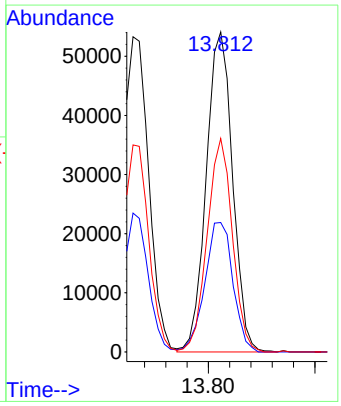


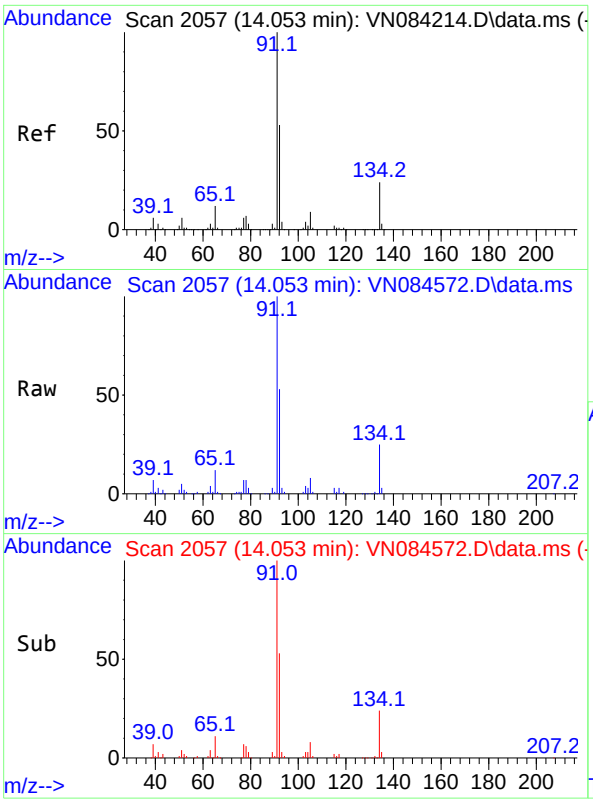


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92940

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.9	31.9	95.9



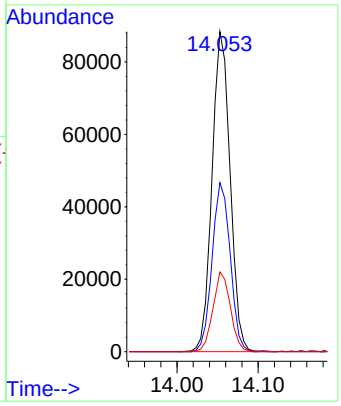


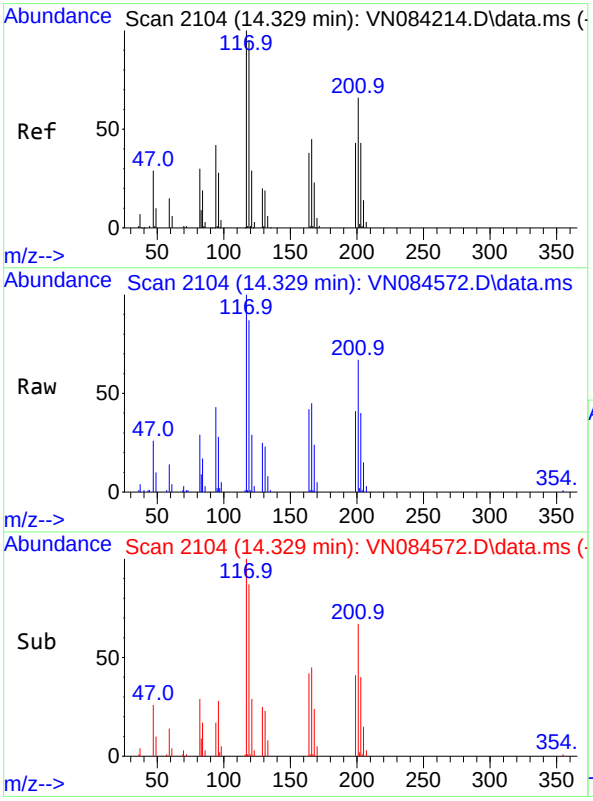
#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 136771

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.0	12.3	36.9

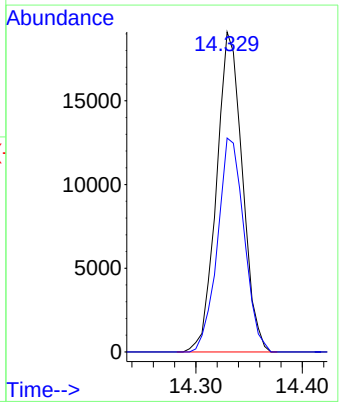


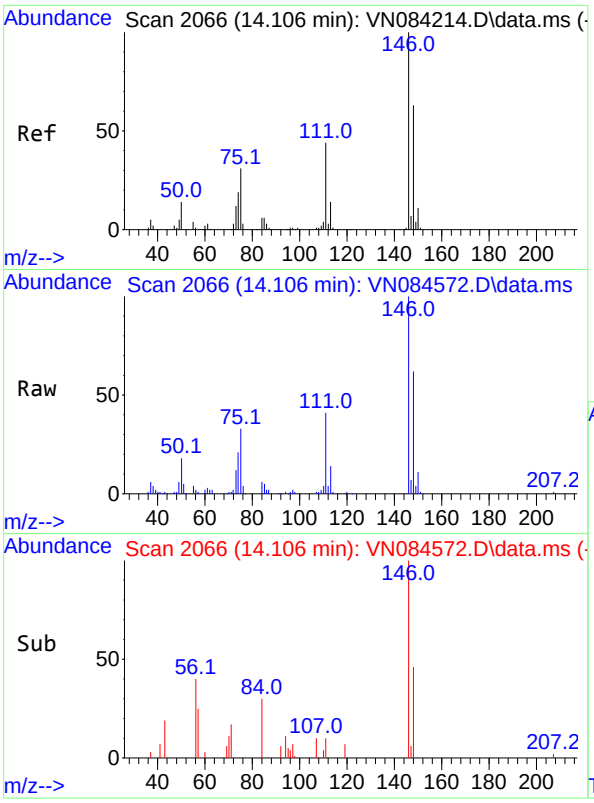


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2



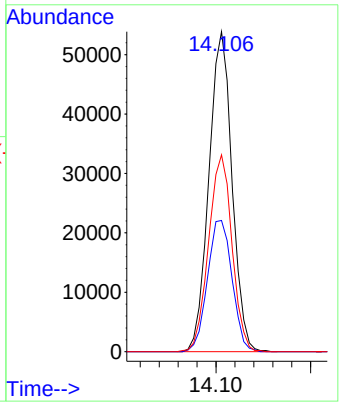


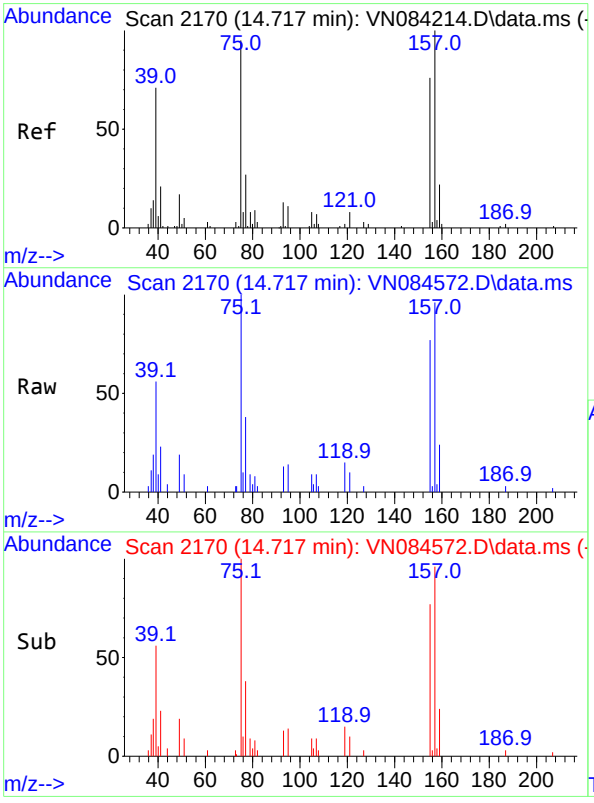
#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 91138

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.3	32.1	96.3

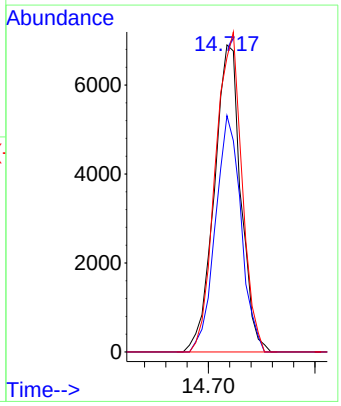


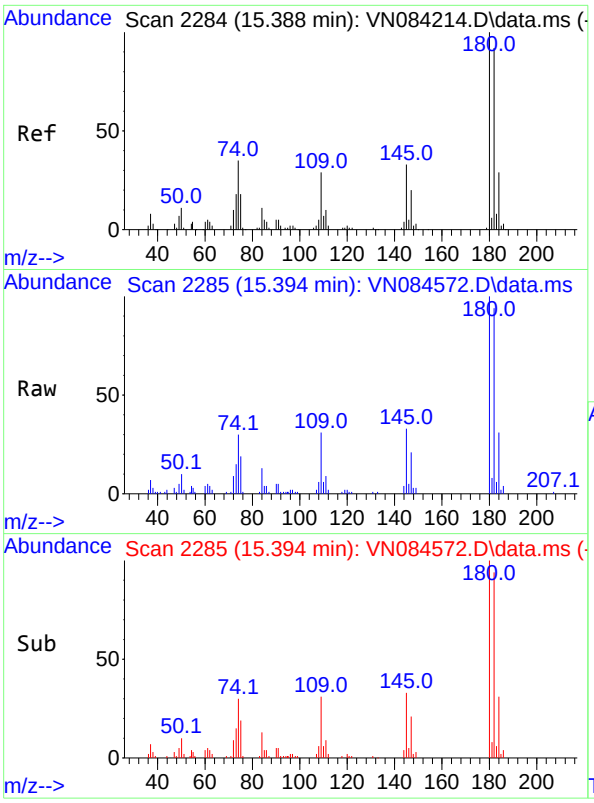


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 11962

Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.1	114.5
157	103.8	49.6	149.0



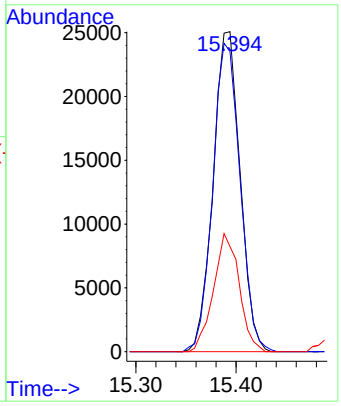


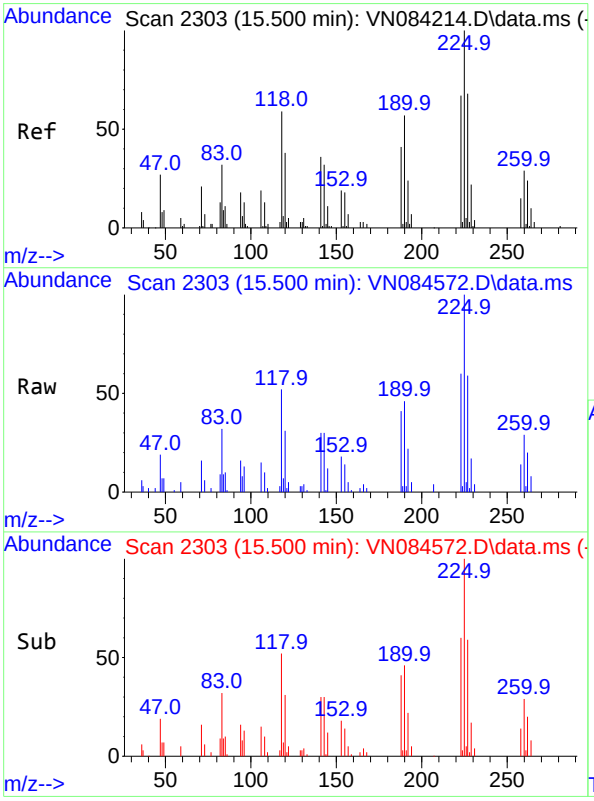
#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 46698

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	35.2	16.4	49.4

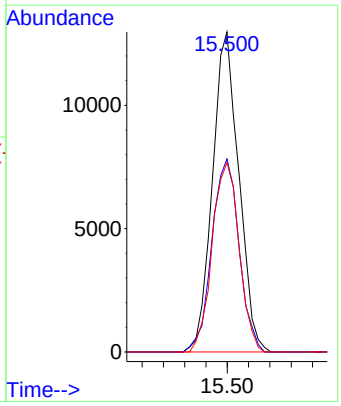


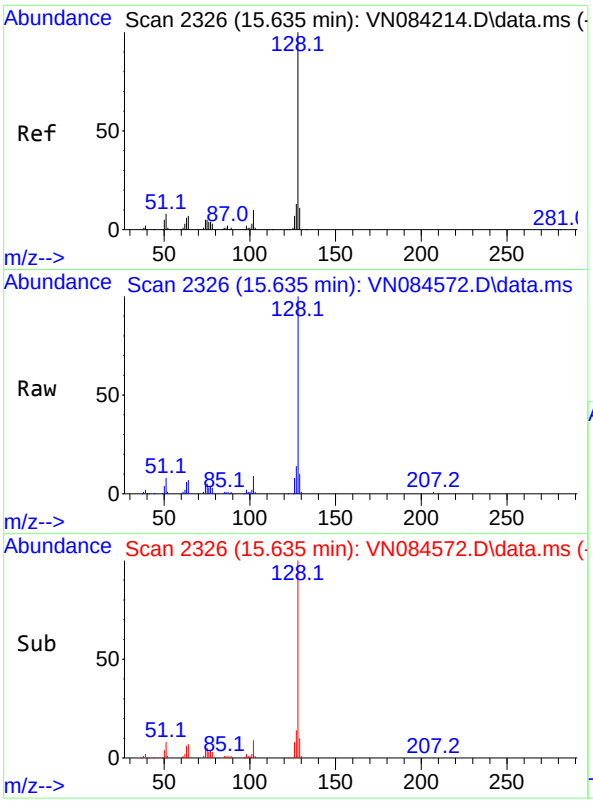


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:225 Resp: 22216

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	60.4	32.4	97.0



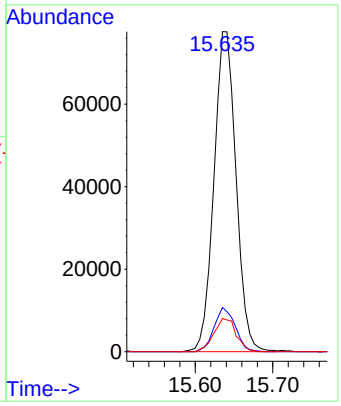


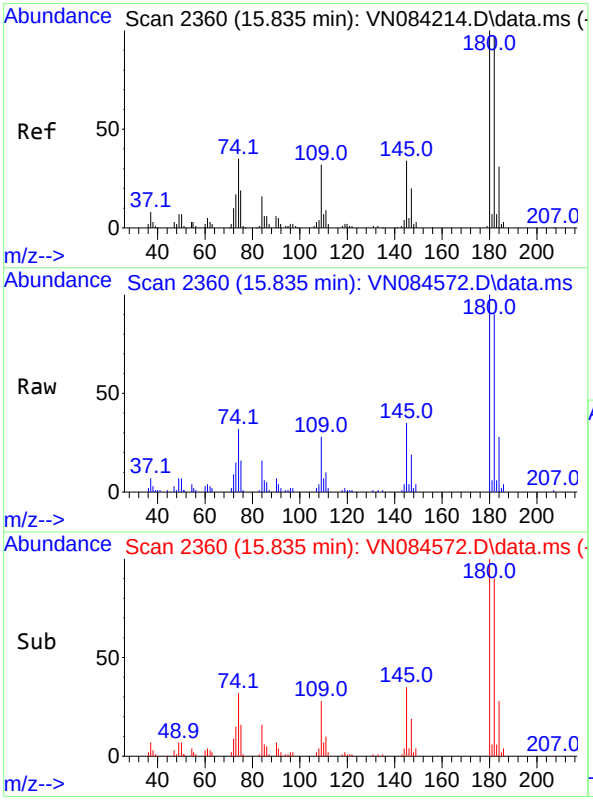
#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 153972

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.7	13.1

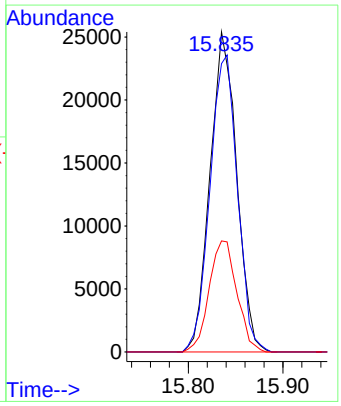




#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 49699

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	36.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	39936	15.913 ug/l		58
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

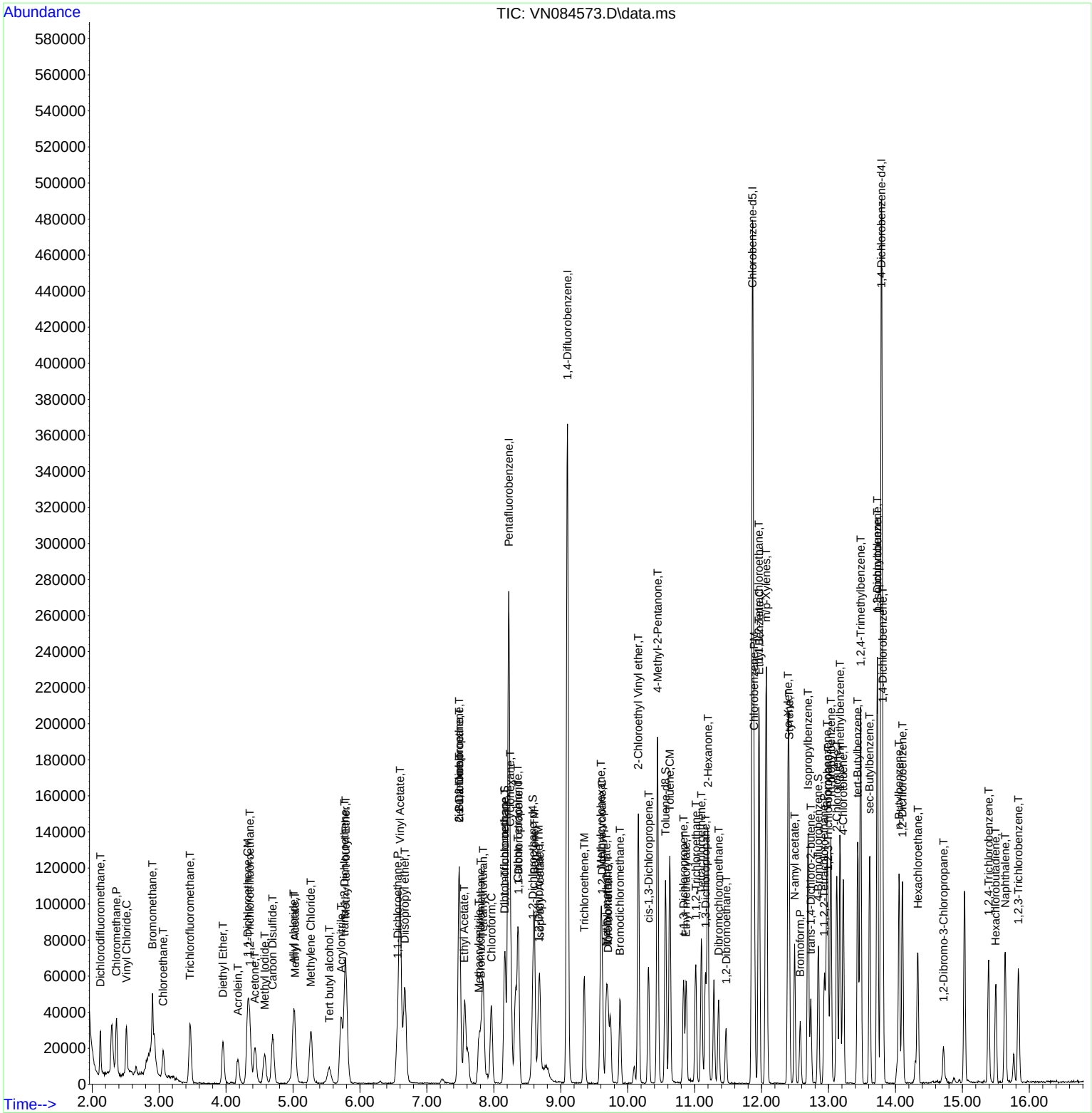
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

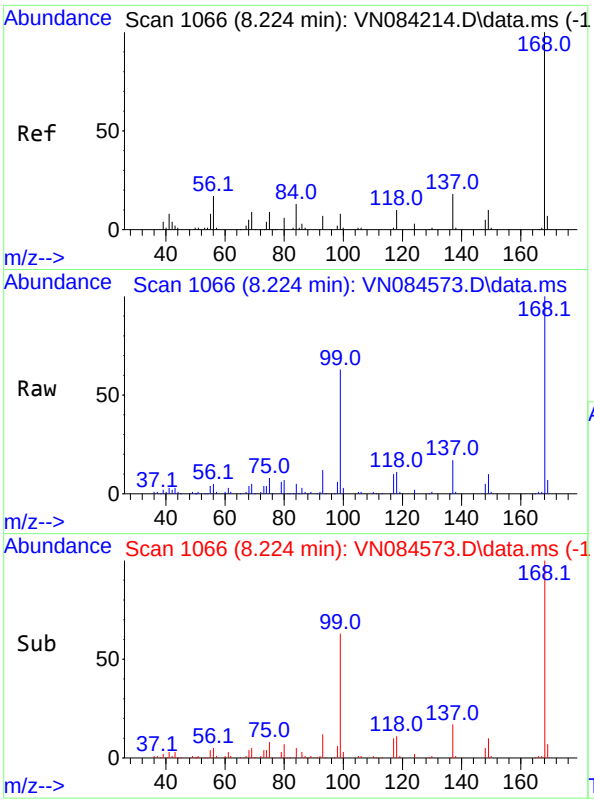
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



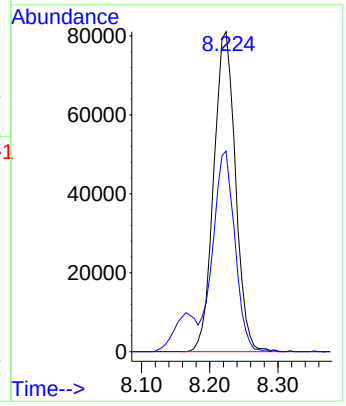


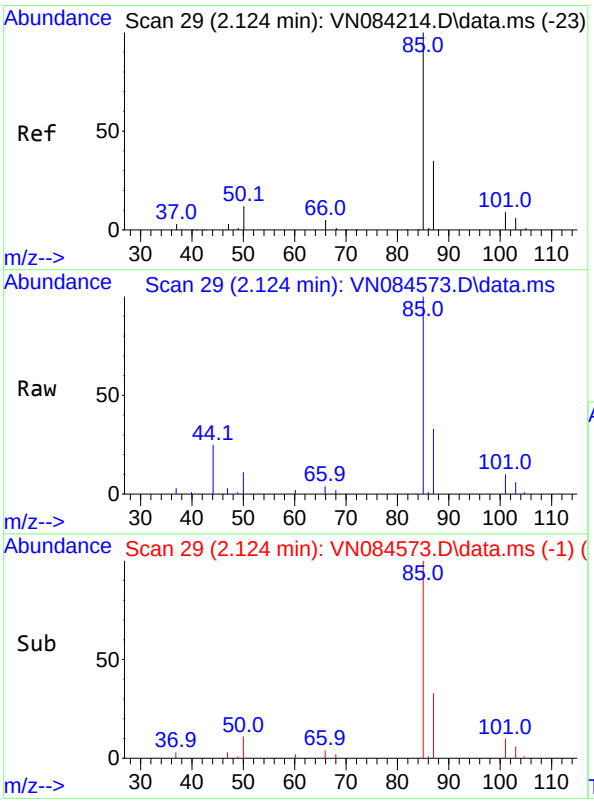
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 179863

Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2

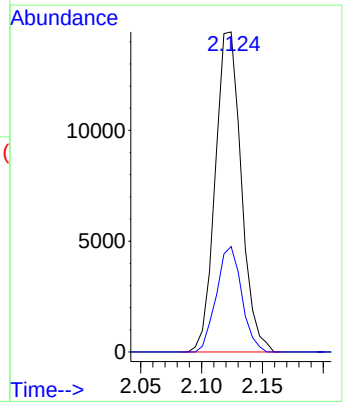


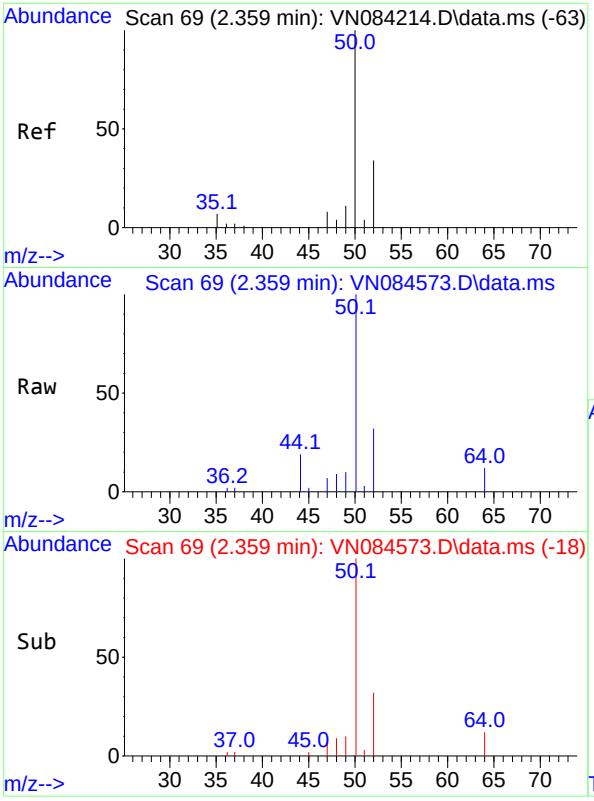


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9



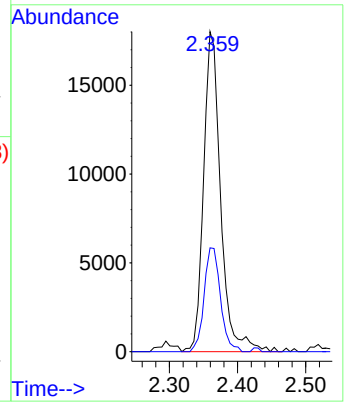


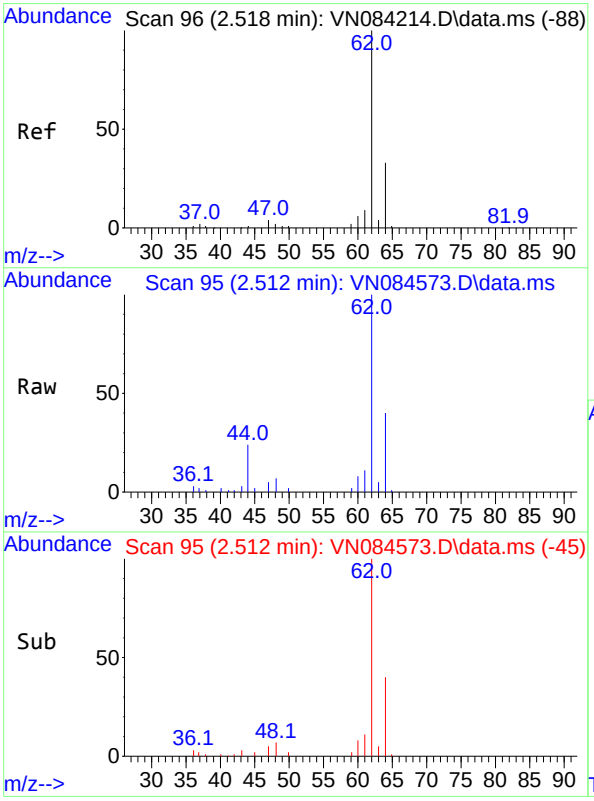
#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 31342

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2

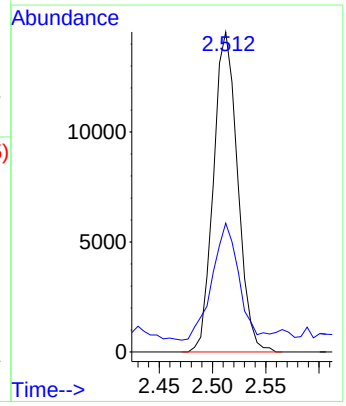


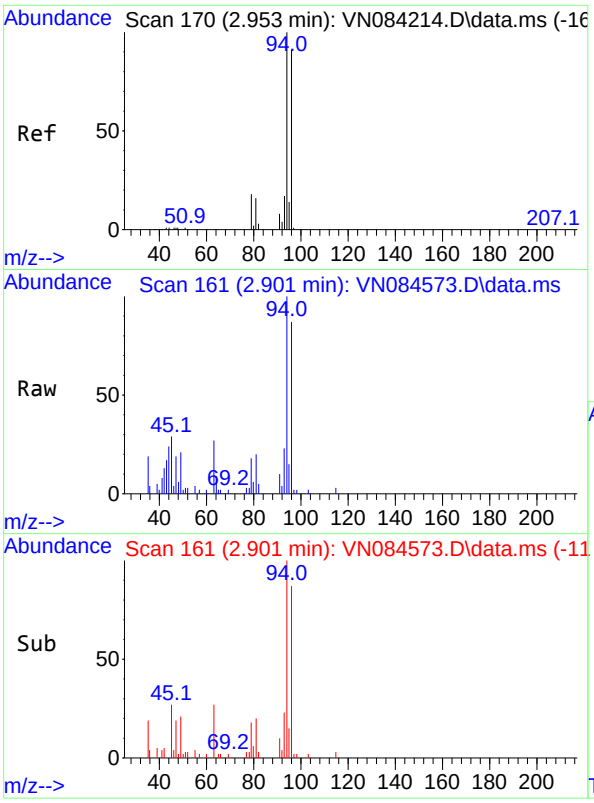


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4



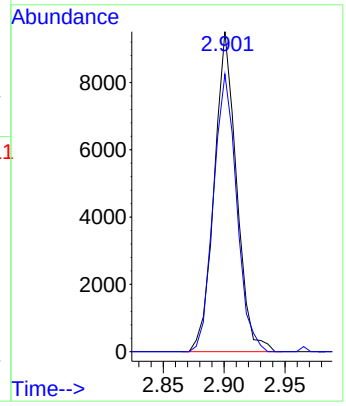


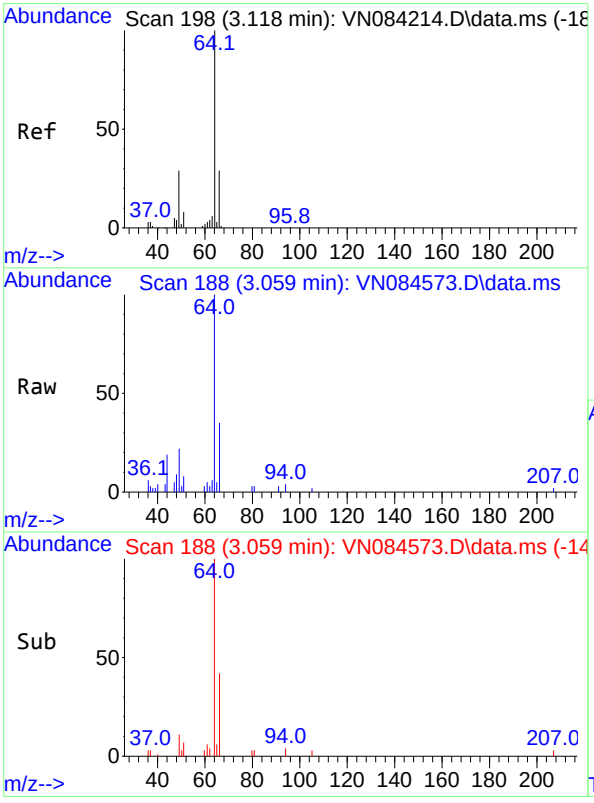
#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 12071

Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3

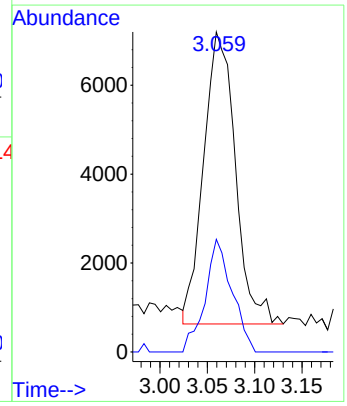


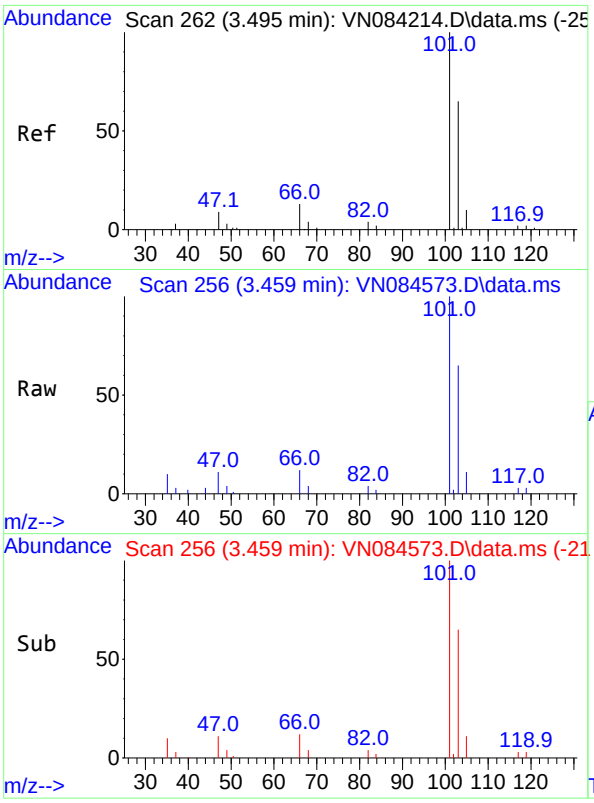


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#



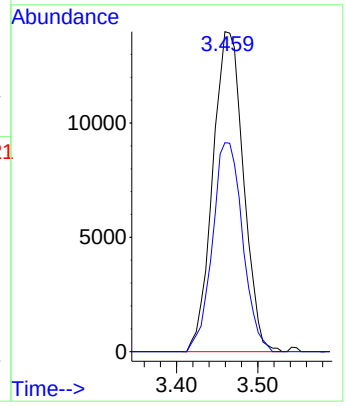


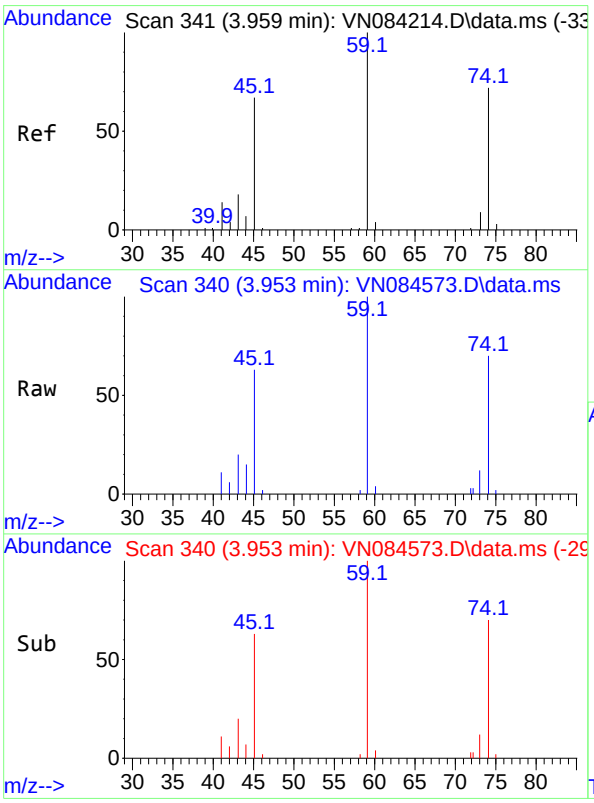
#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 36747

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

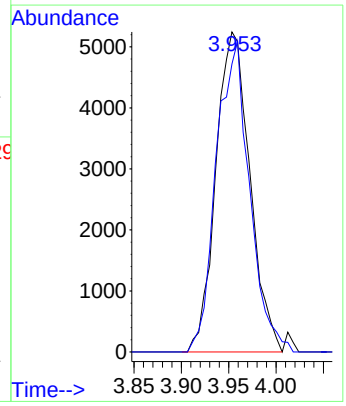


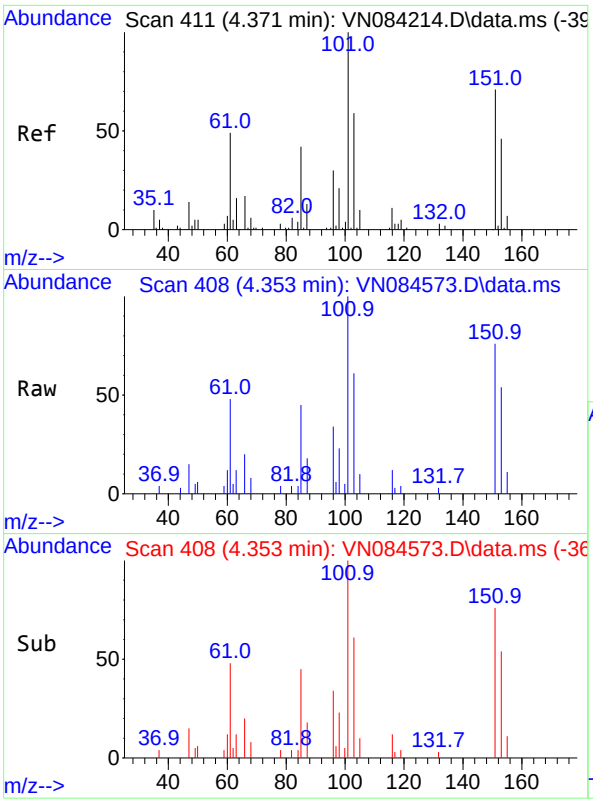


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1



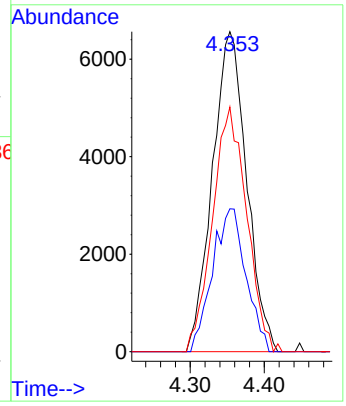


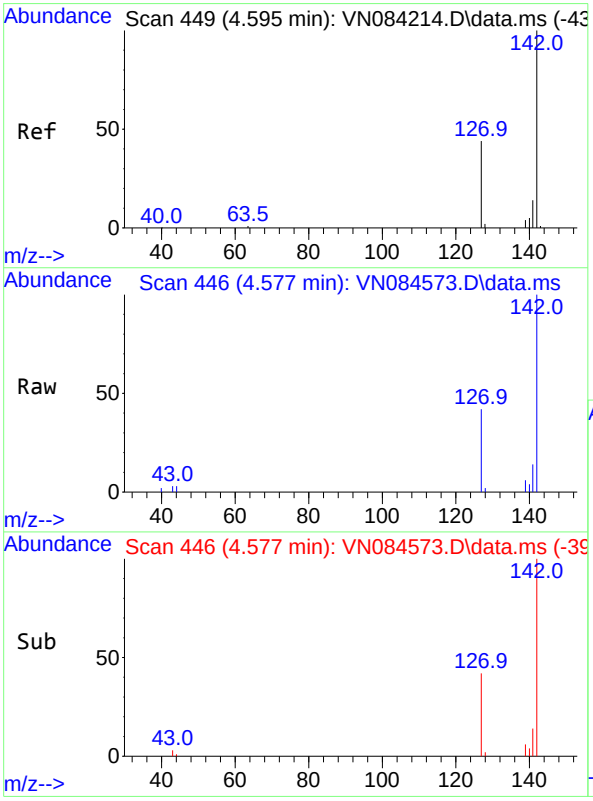
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 21028

Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	76.4	59.3	88.9

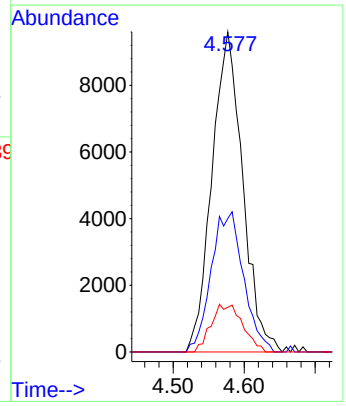


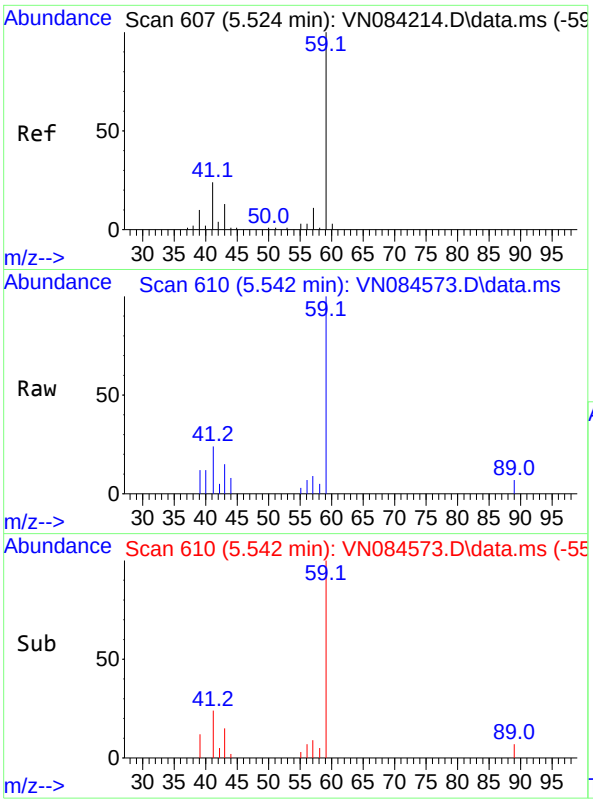


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:142 Resp: 28795

Ion	Ratio	Lower	Upper
142	100		
127	41.7	35.3	52.9
141	13.9	11.0	16.6



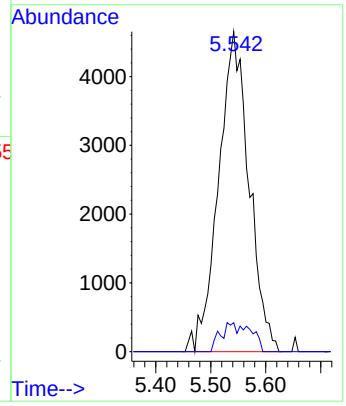


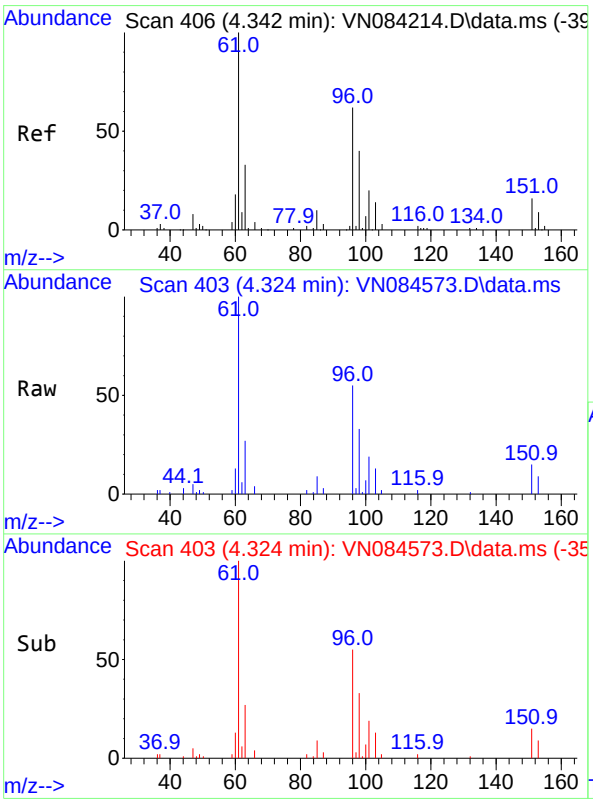
#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 17899

Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#

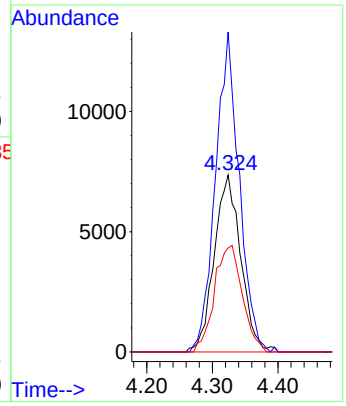


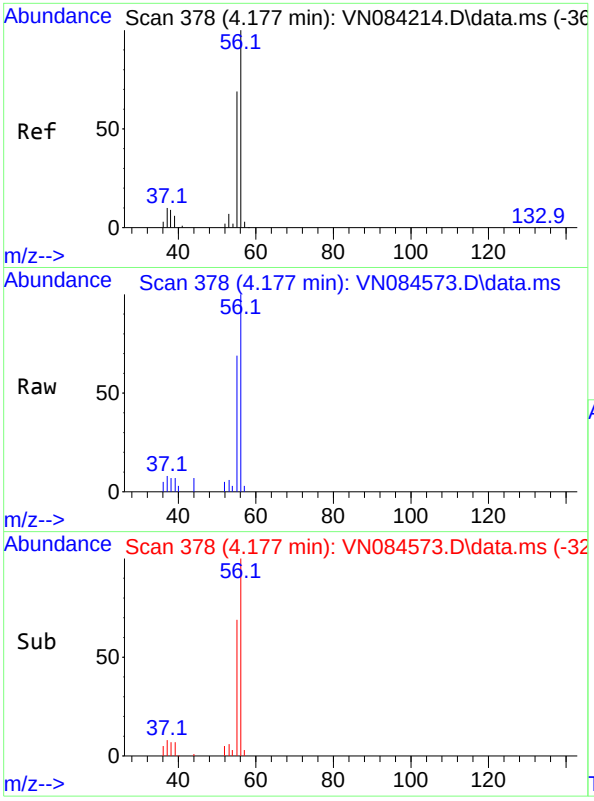


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 20669

Ion	Ratio	Lower	Upper
96	100		
61	180.8	128.6	192.8
98	58.8	51.7	77.5



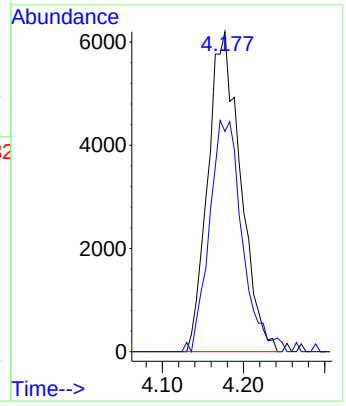


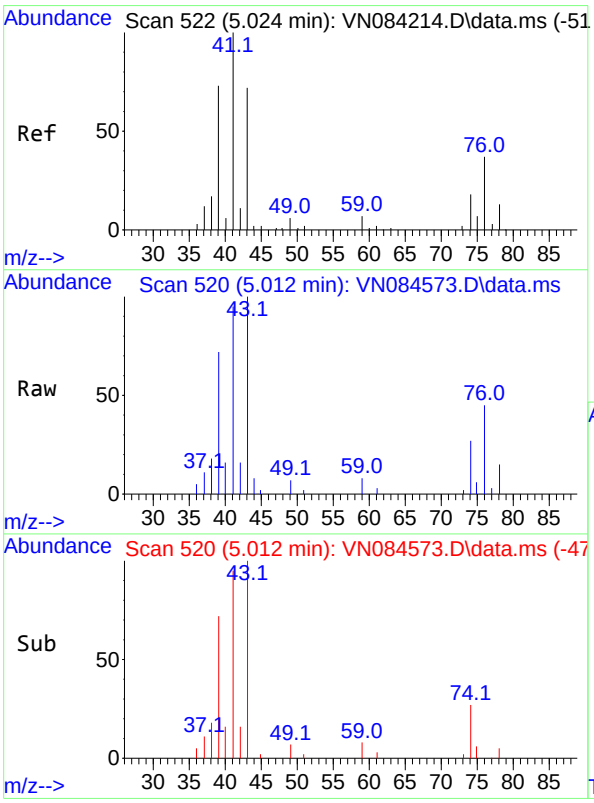
#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 17284

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8

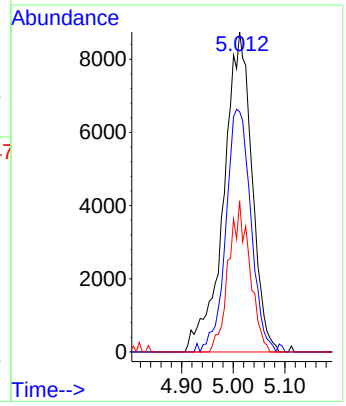


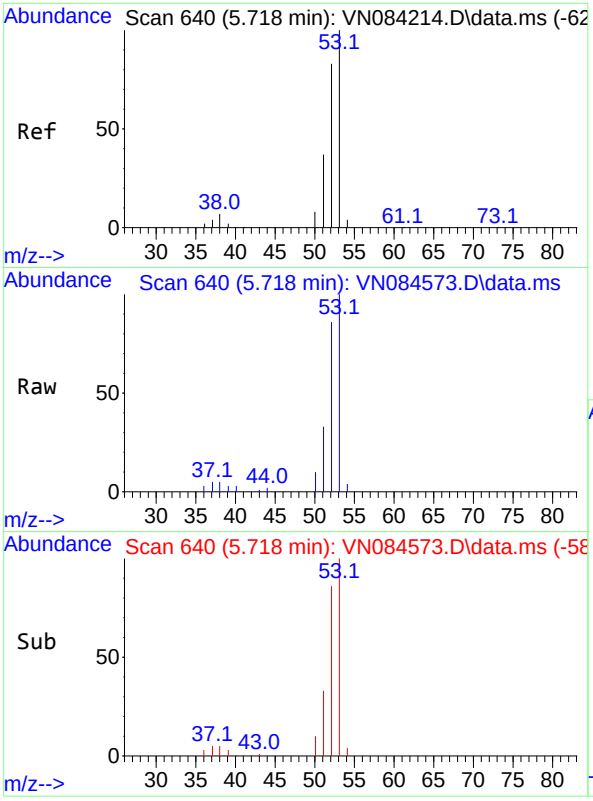


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 33287

Ion	Ratio	Lower	Upper
41	100		
39	66.7	59.0	88.6
76	35.1	29.8	44.6



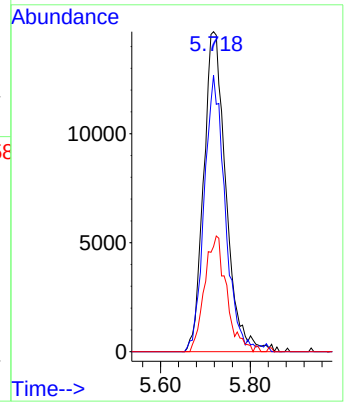


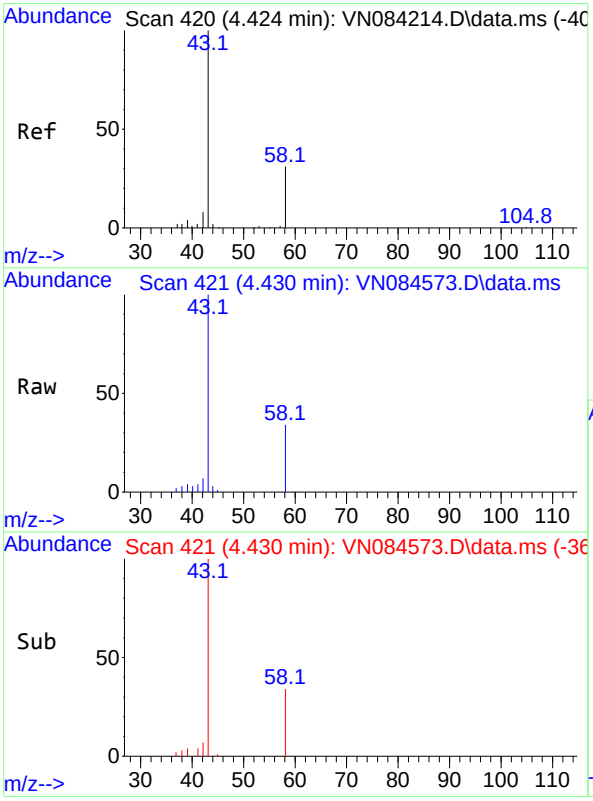
#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 50731

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.5	28.8	43.2

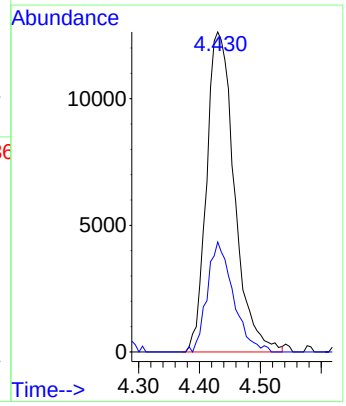


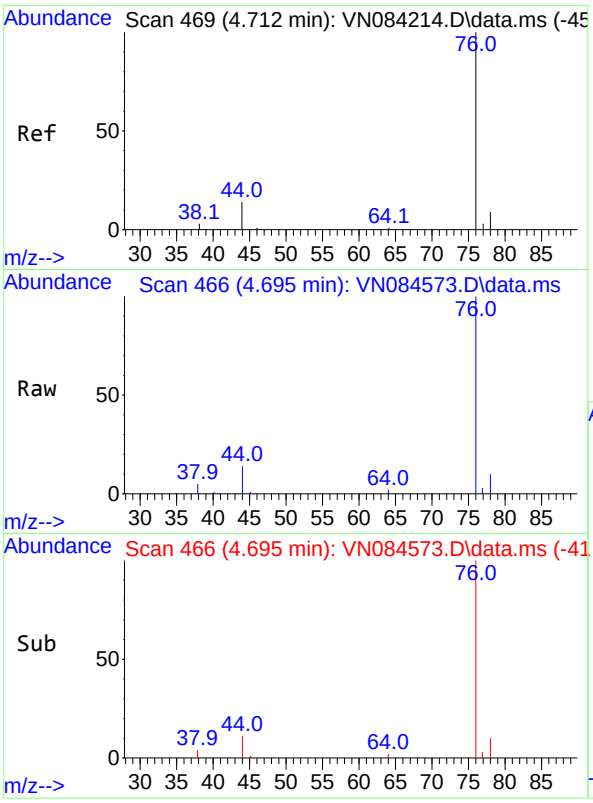


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6



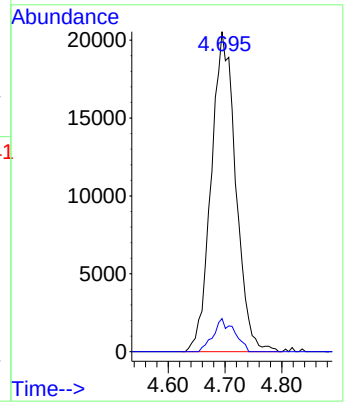


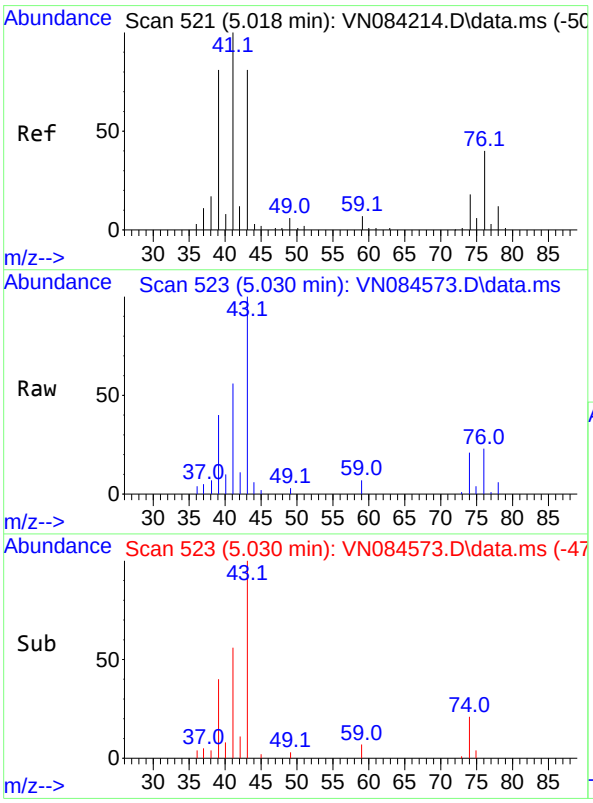
#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 61652

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

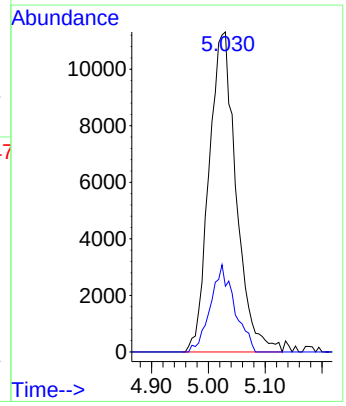


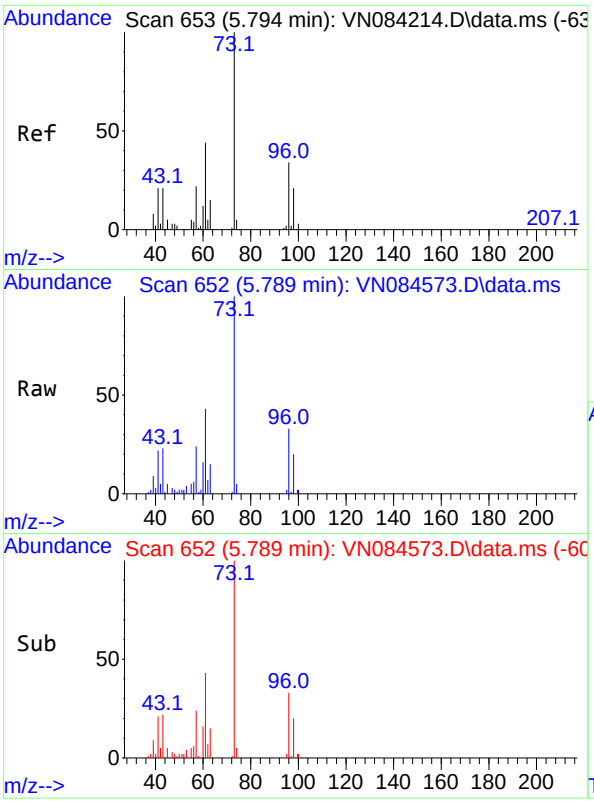


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



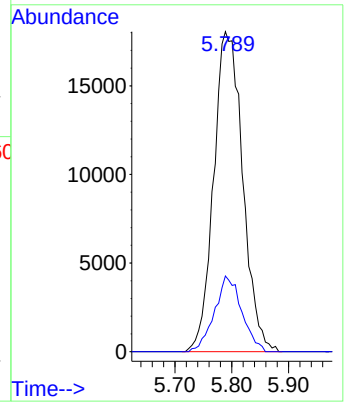


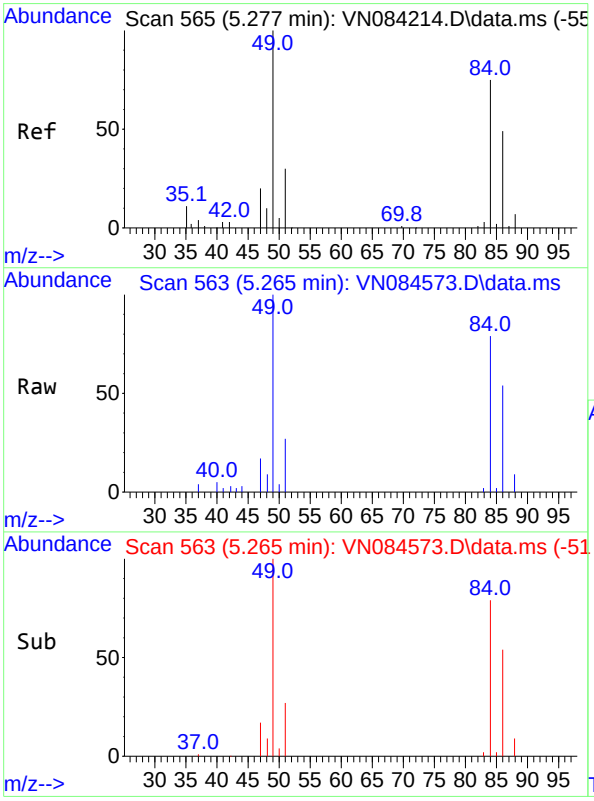
#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 64007

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5

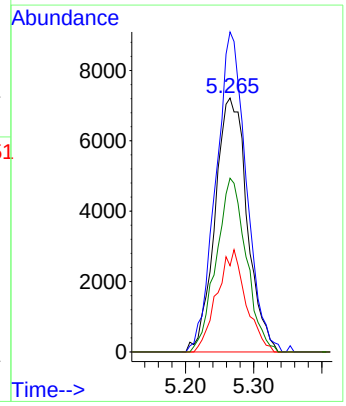


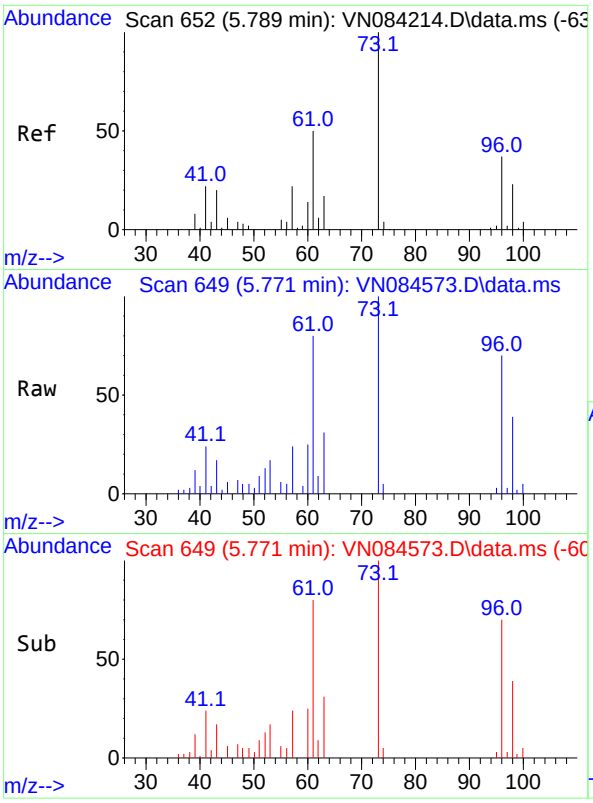


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 84 Resp: 23684

Ion	Ratio	Lower	Upper
84	100		
49	126.0	107.2	160.8
51	34.0	31.8	47.8
86	68.4	52.9	79.3



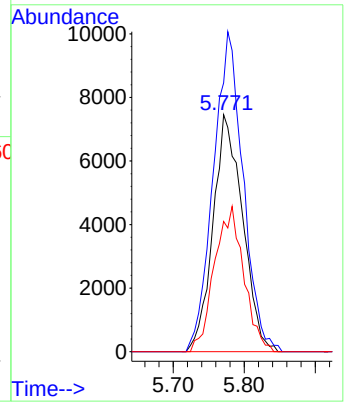


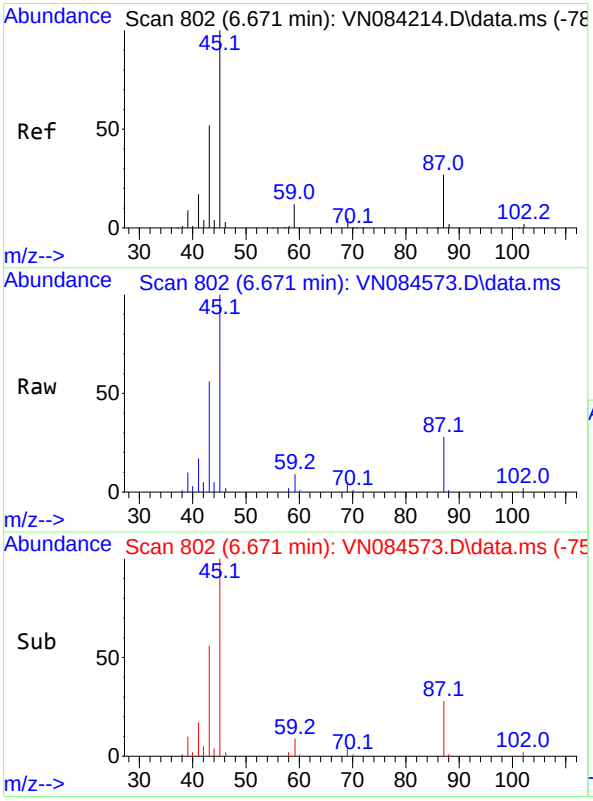
#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 21581

Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.4	162.6
98	55.0	49.8	74.8

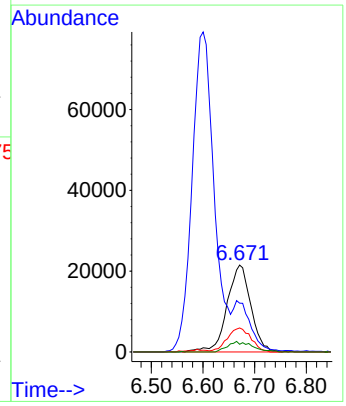


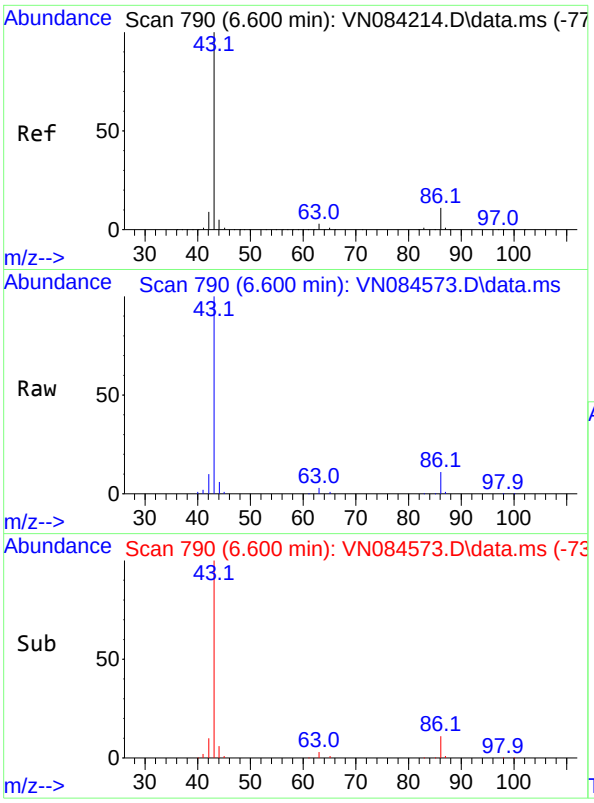


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 45 Resp: 68672

Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.3	63.5
87	27.7	21.8	32.6
59	8.9	9.6	14.4#



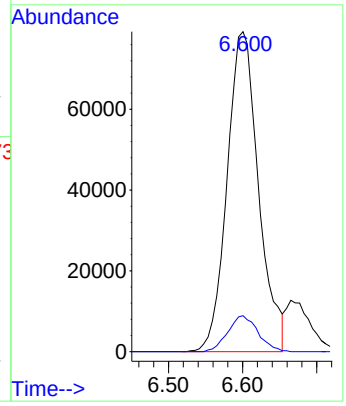


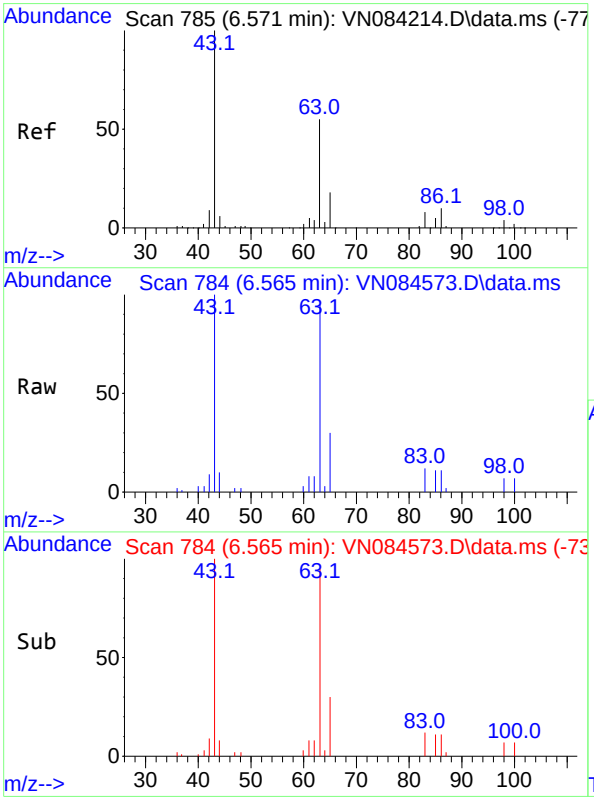
#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 233407

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

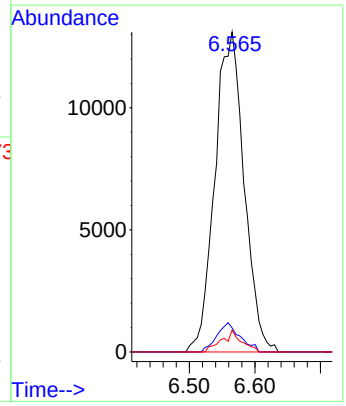


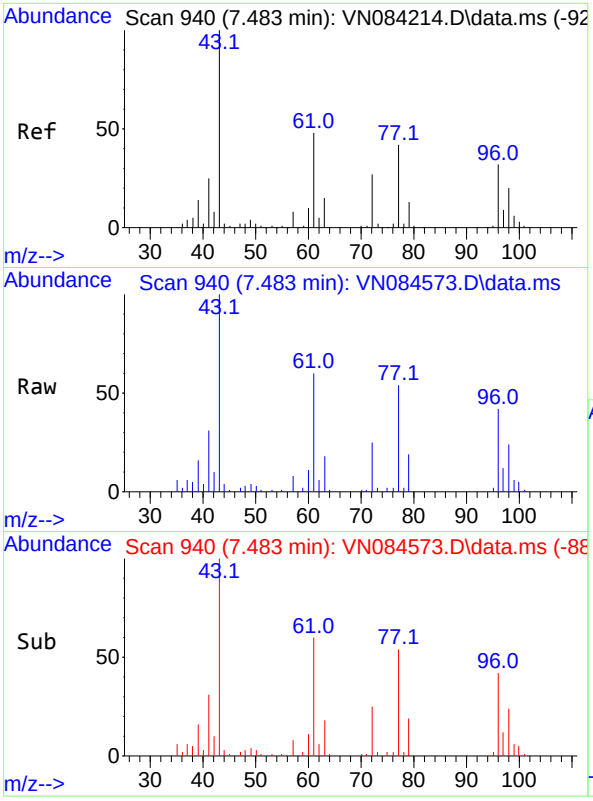


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 40556

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.2
100	6.8	2.0	5.8#



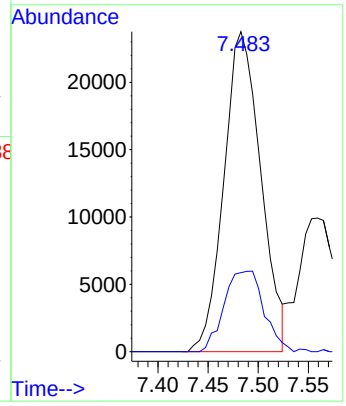


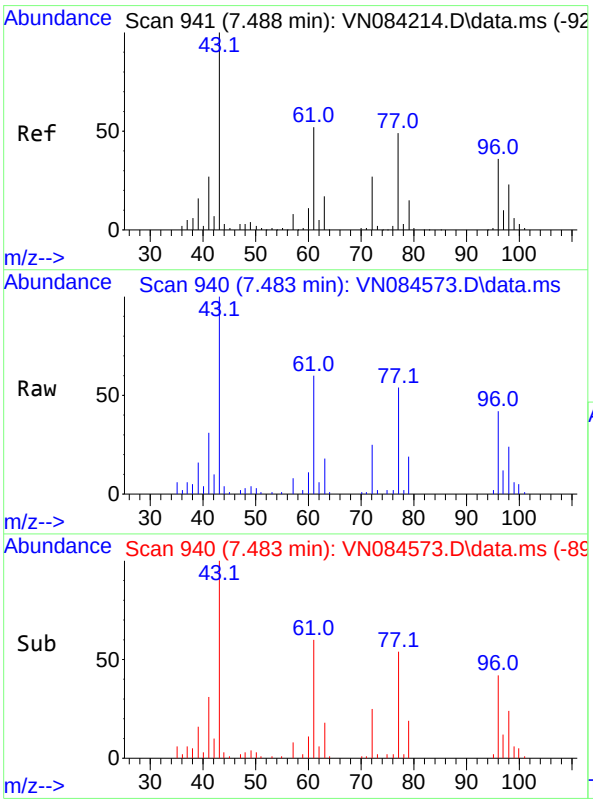
#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 60876

Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2

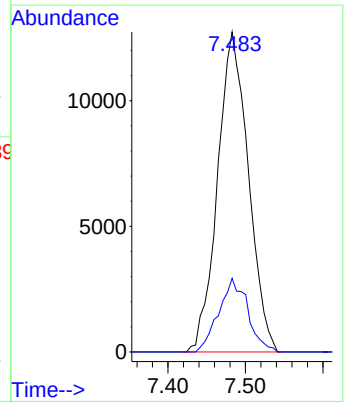


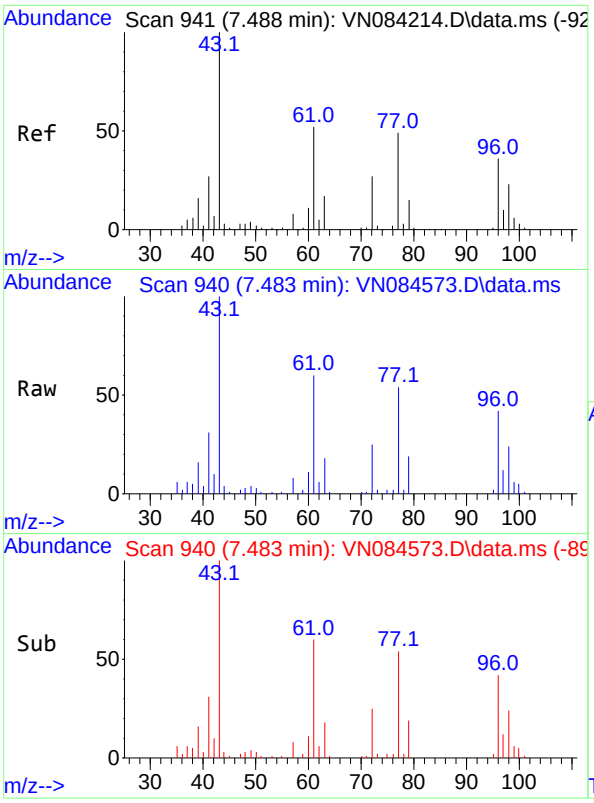


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



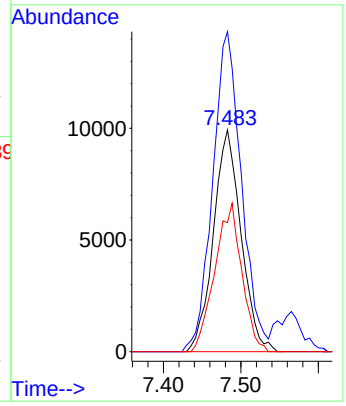


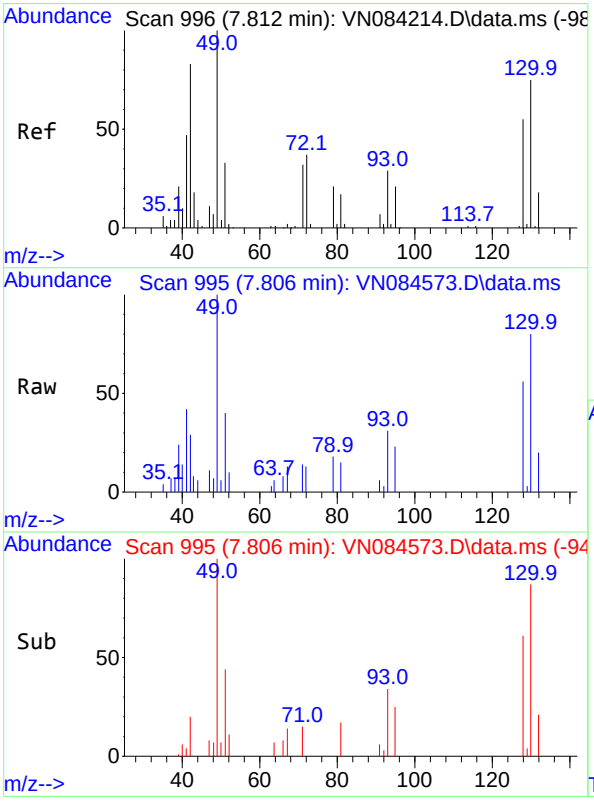
#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 24626

Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	301.8
98	65.2	0.0	128.2

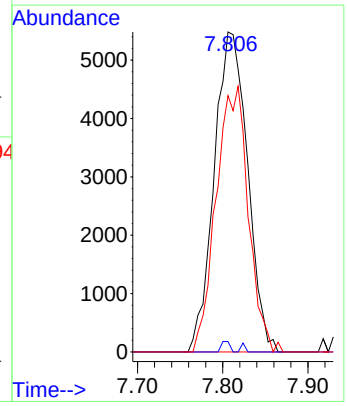


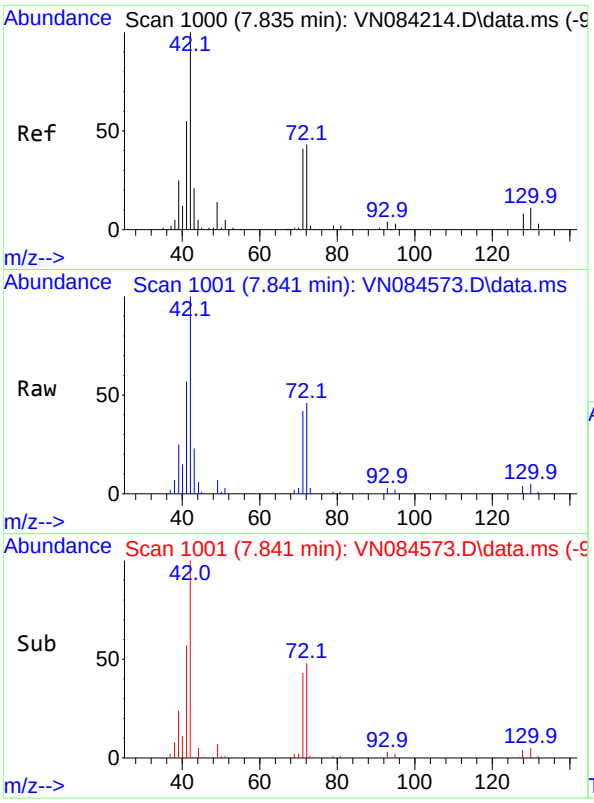


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 49 Resp: 14918

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	0.0	58.0	87.0#



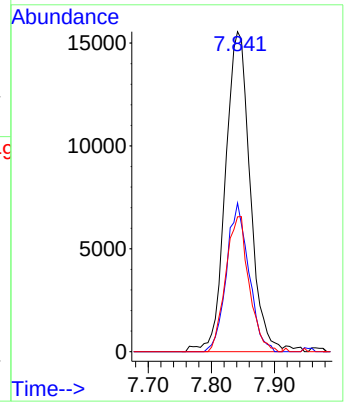


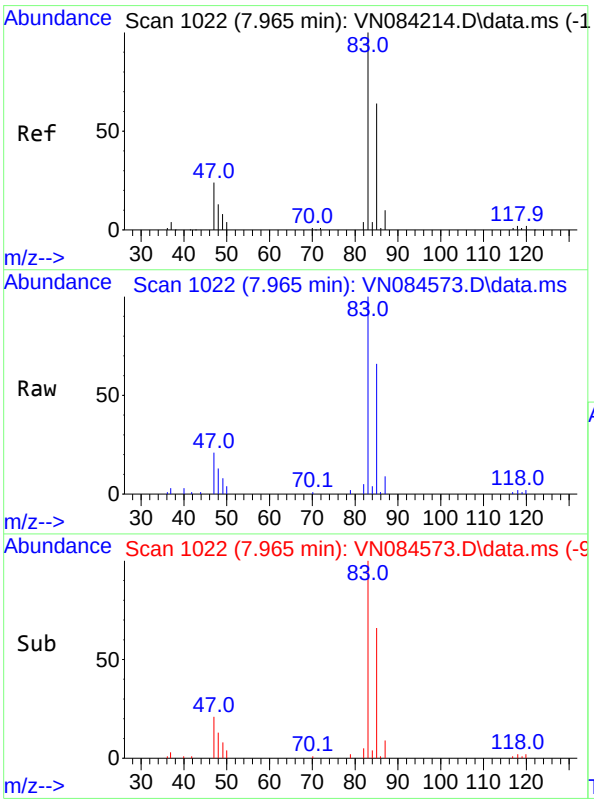
#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 42072

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	40.1	32.2	48.4

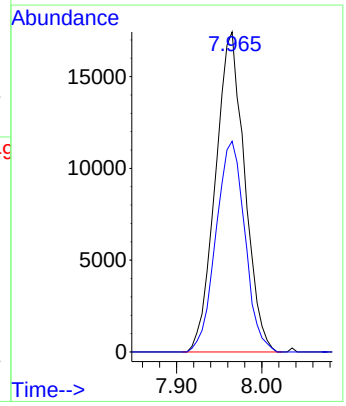


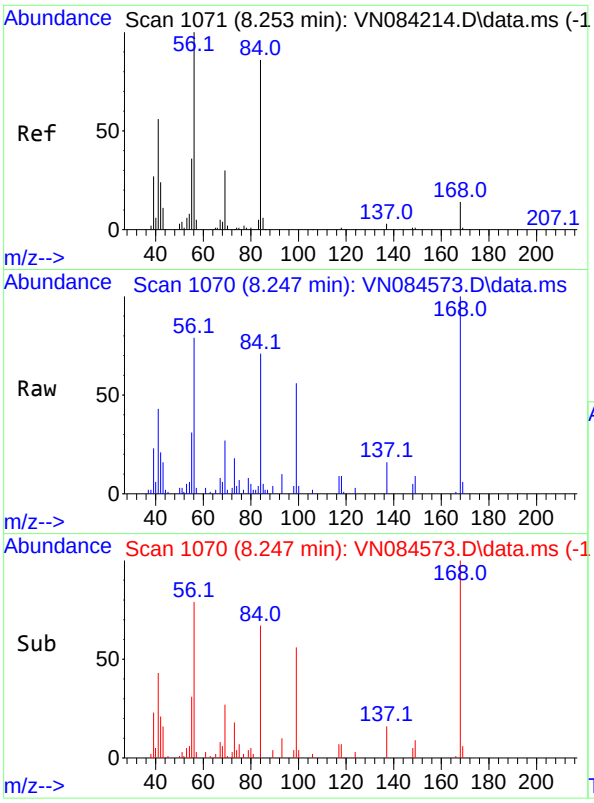


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4



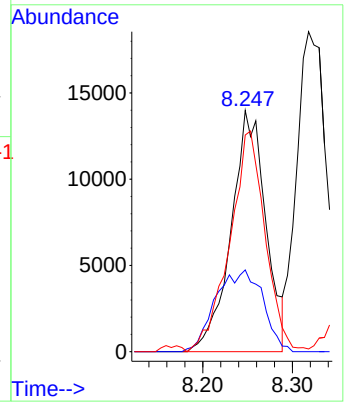


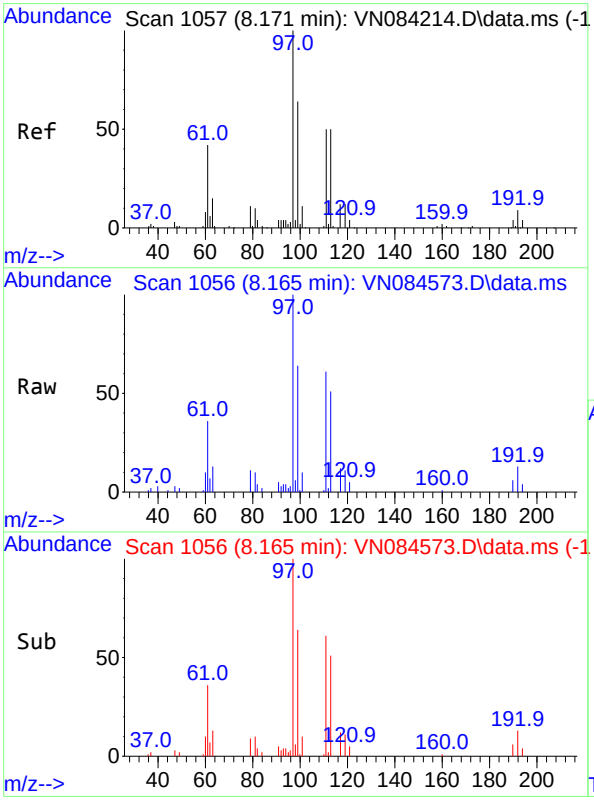
#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 37514

Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.8	35.6
84	88.1	68.8	103.2

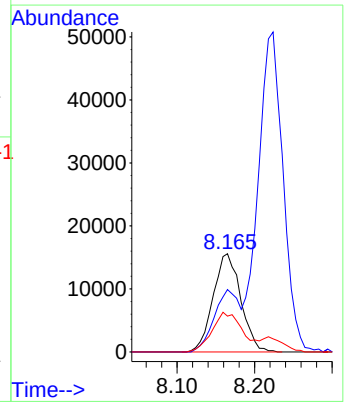


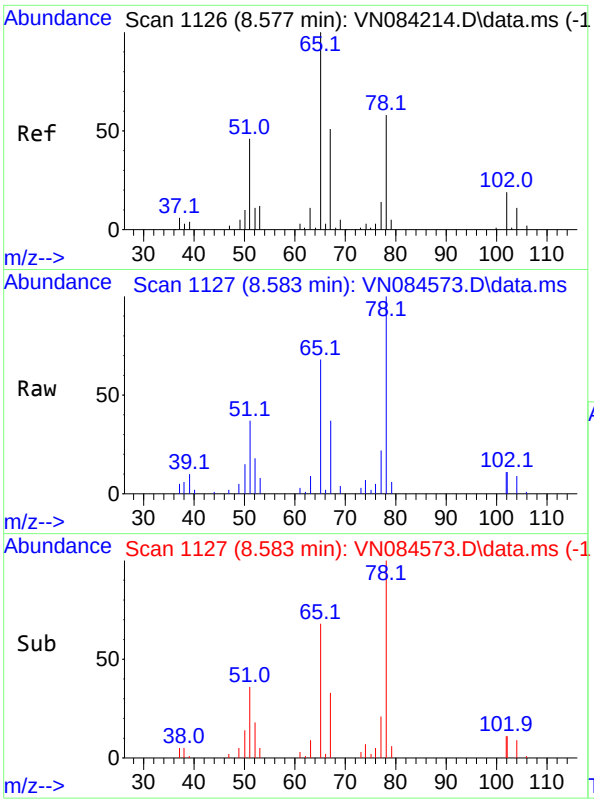


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 38612

Ion	Ratio	Lower	Upper
97	100		
99	57.5	51.2	76.8
61	45.3	37.5	56.3



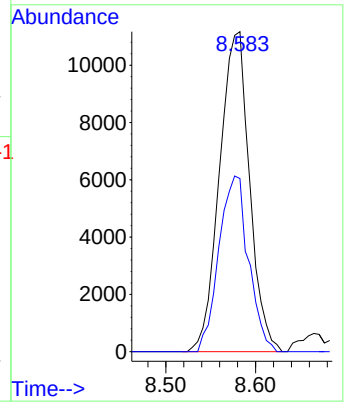


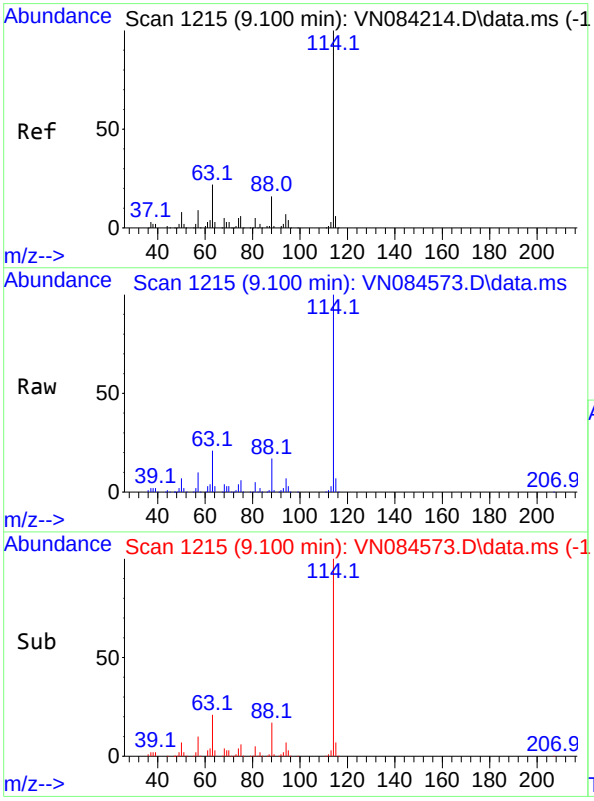
#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25986

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0

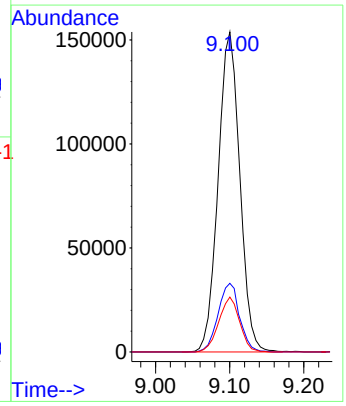


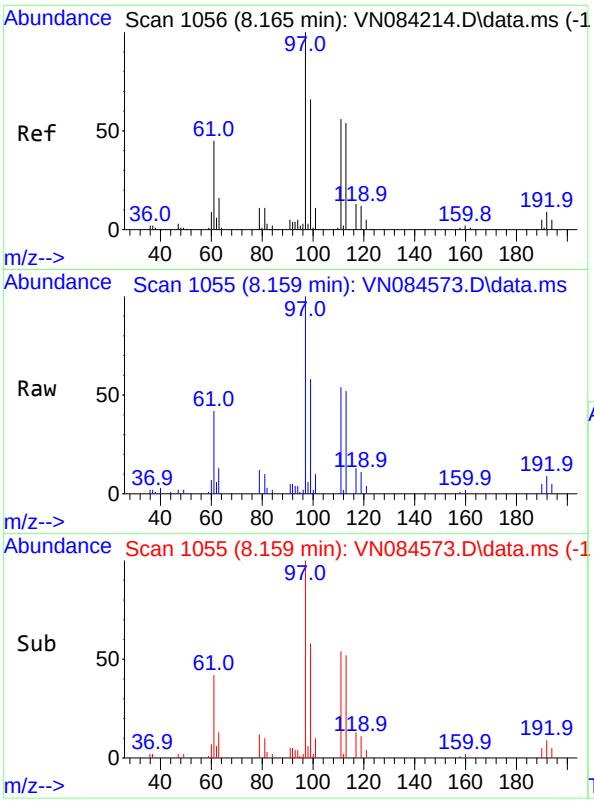


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:114 Resp: 312244

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.2	0.0	31.6



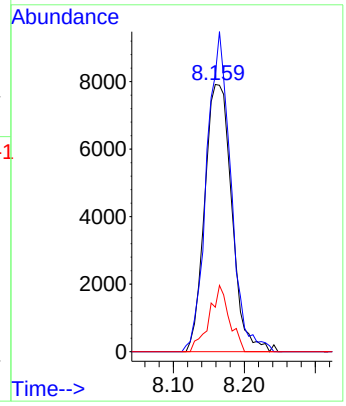


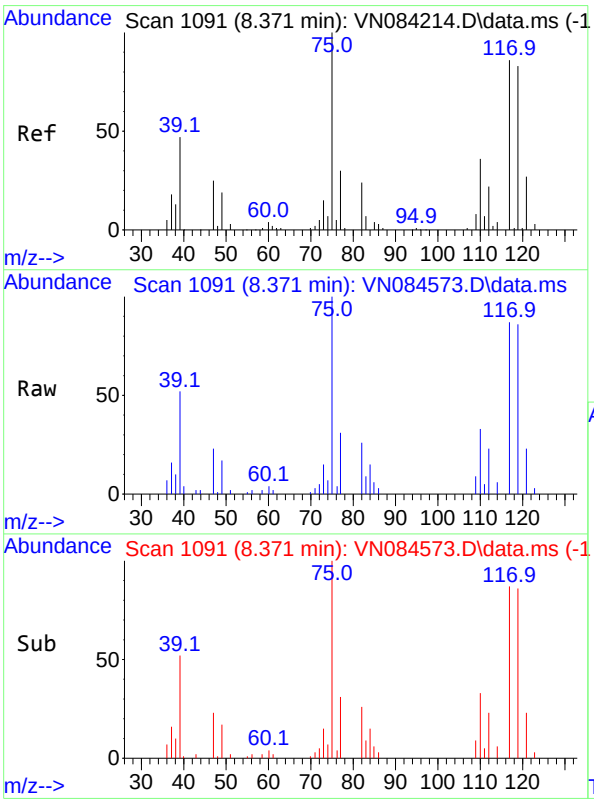
#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 20969

Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.3	124.9
192	18.4	13.5	20.3

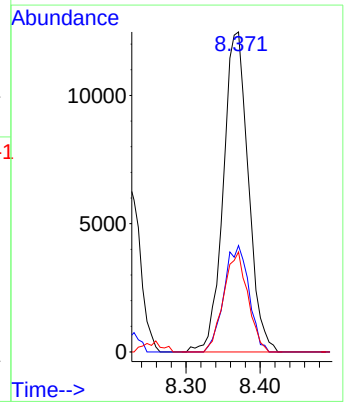


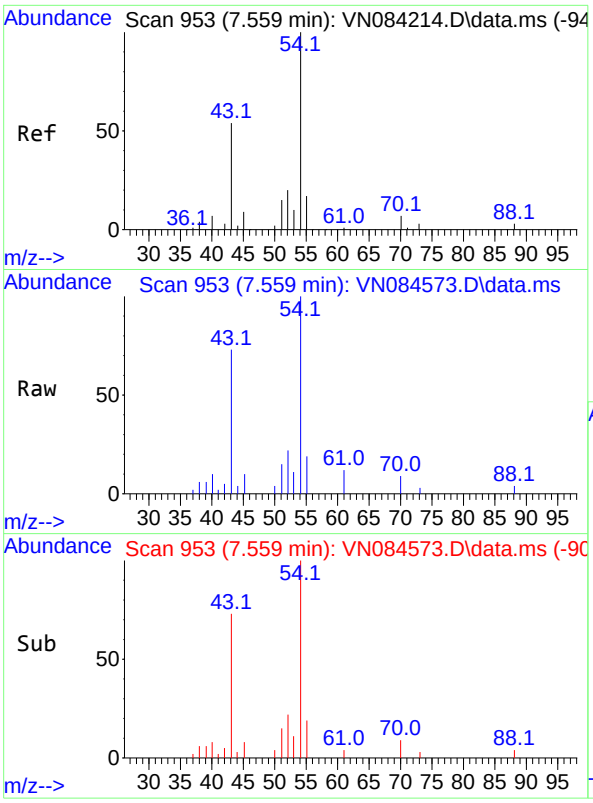


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 29218

Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.3	24.7	37.1



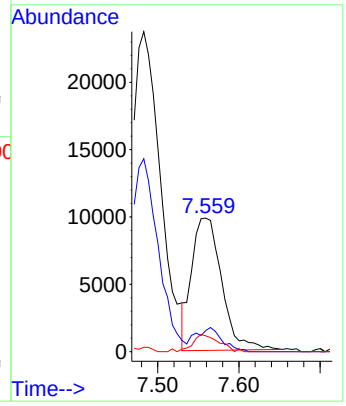


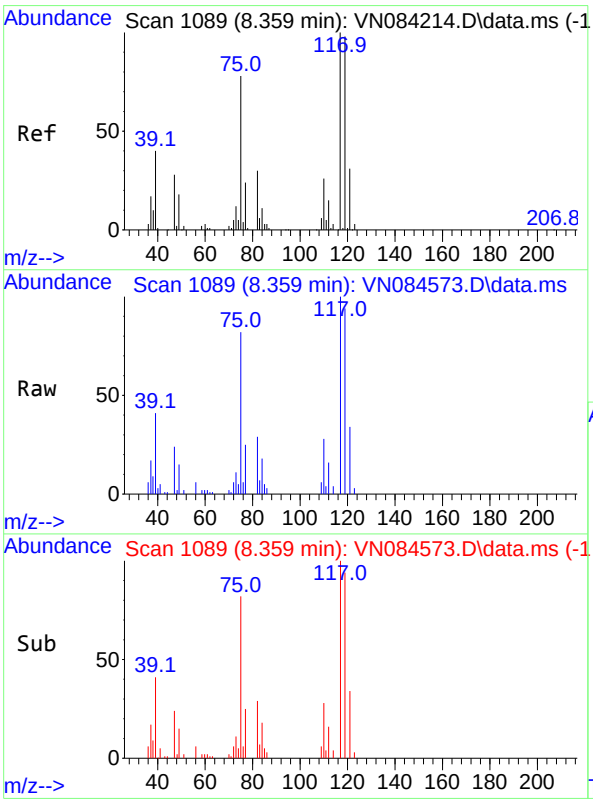
#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 25249

Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.6	8.8	13.2

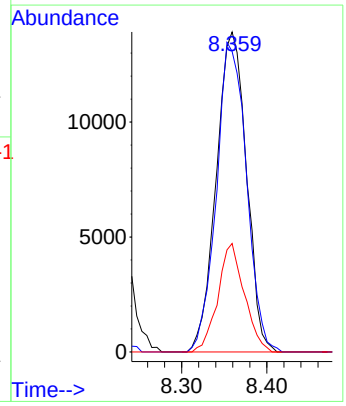


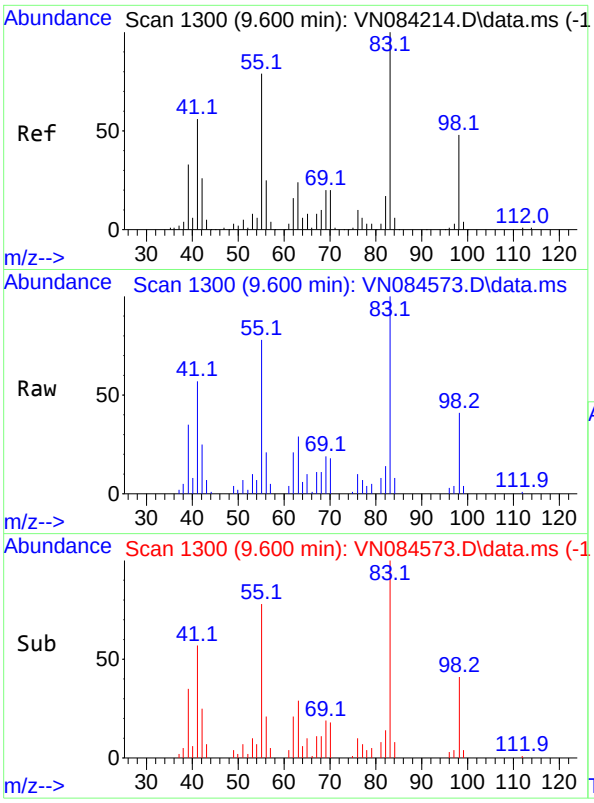


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 34214

Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.7	118.1
121	33.9	24.4	36.6



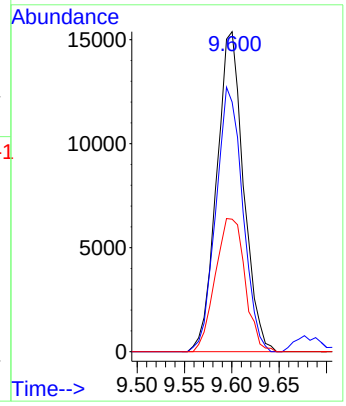


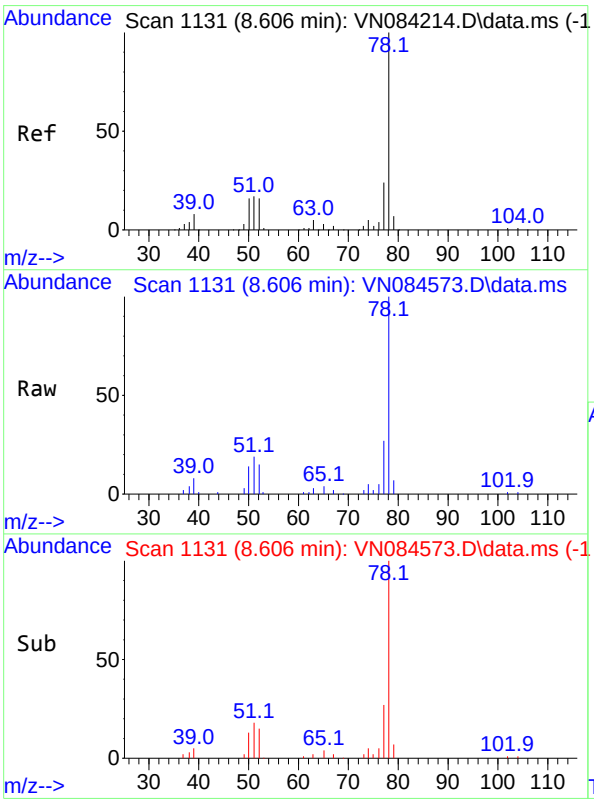
#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30390

Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	41.4	38.8	58.2

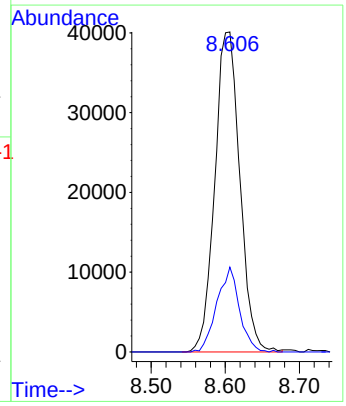


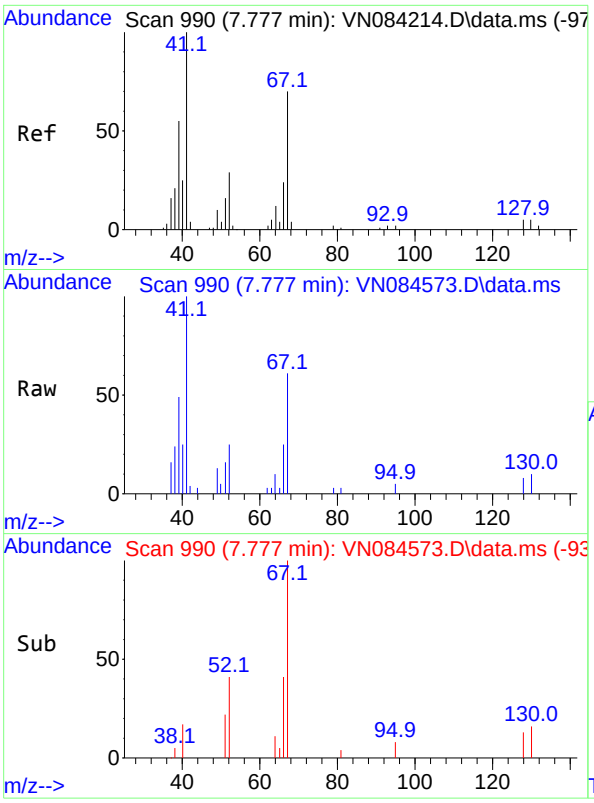


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7



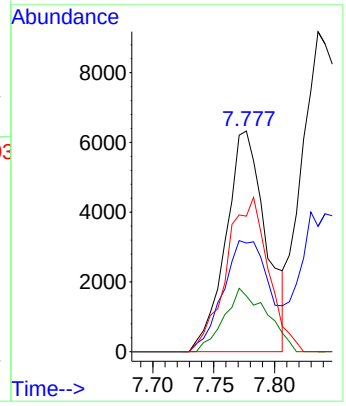


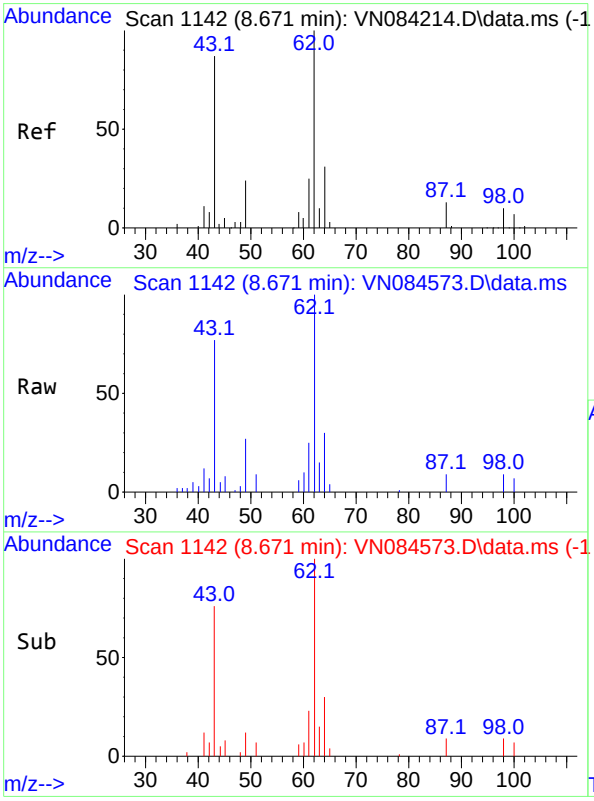
#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 14485

Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.3	64.9
67	72.8	56.1	84.1
52	30.6	24.5	36.7

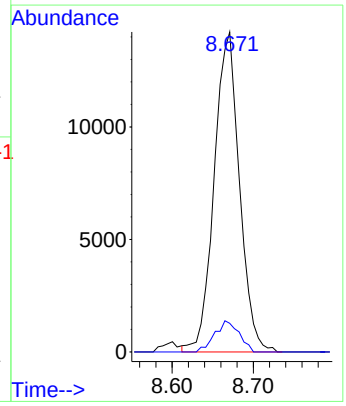


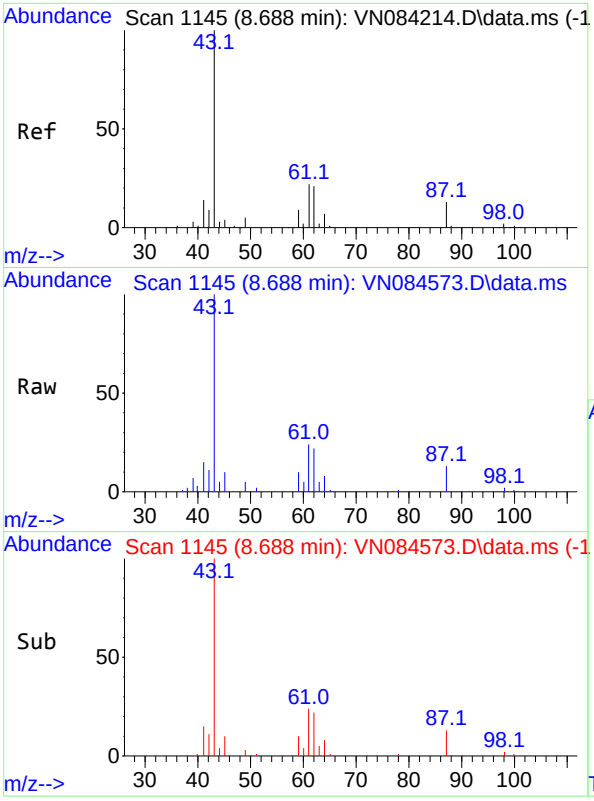


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



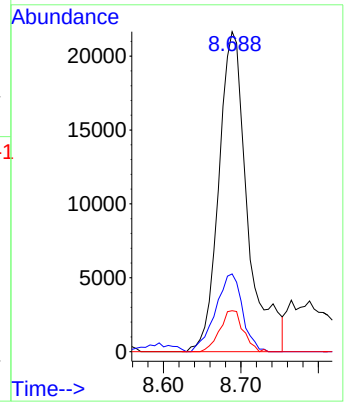


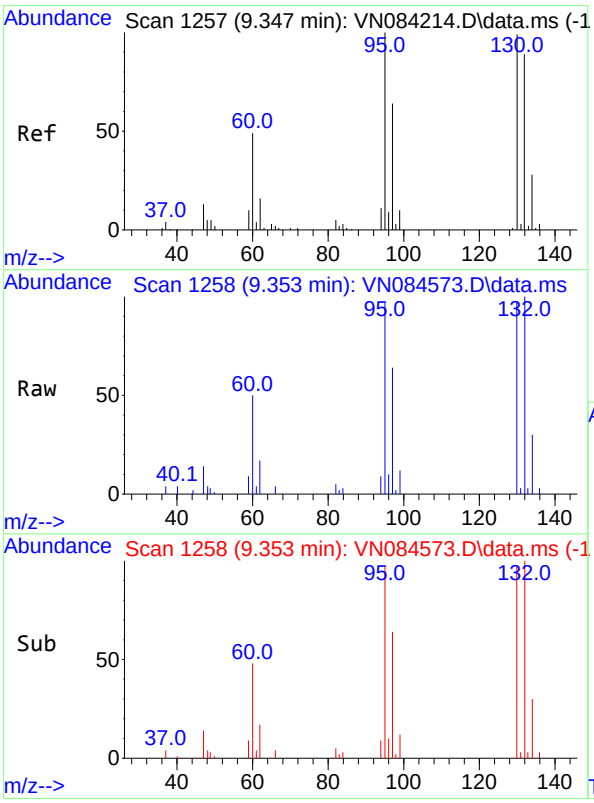
#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 55871

Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.4	30.6
87	10.5	10.3	15.5

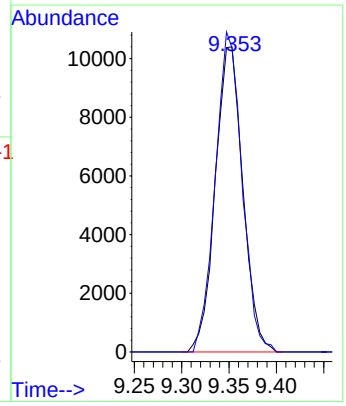


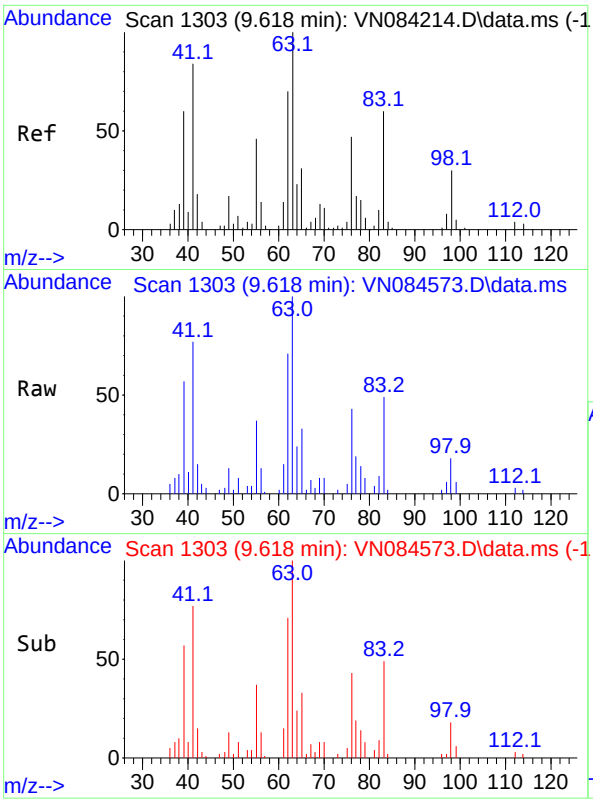


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0



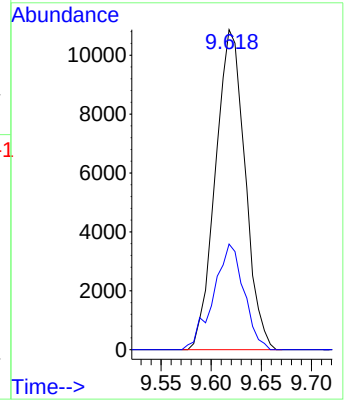


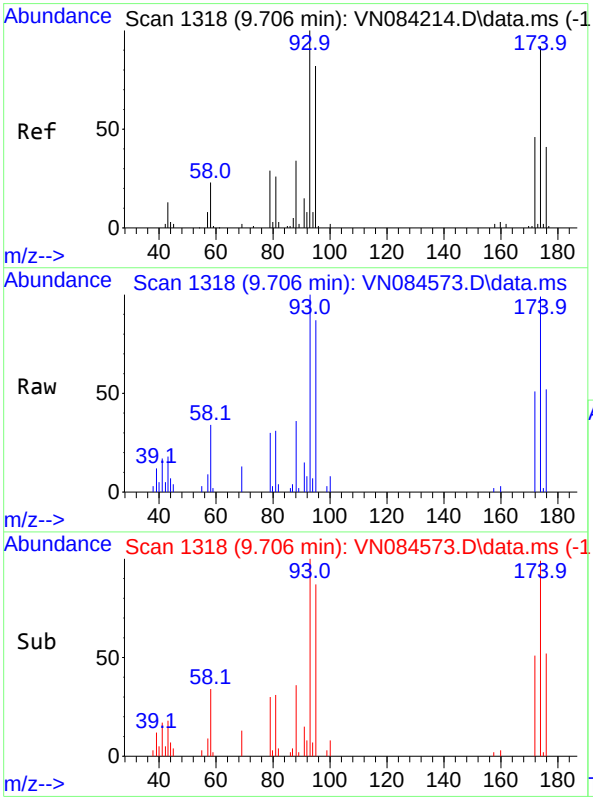
#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 22314

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

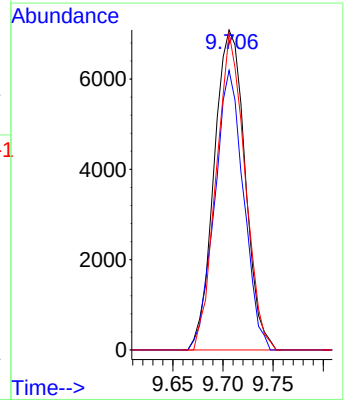


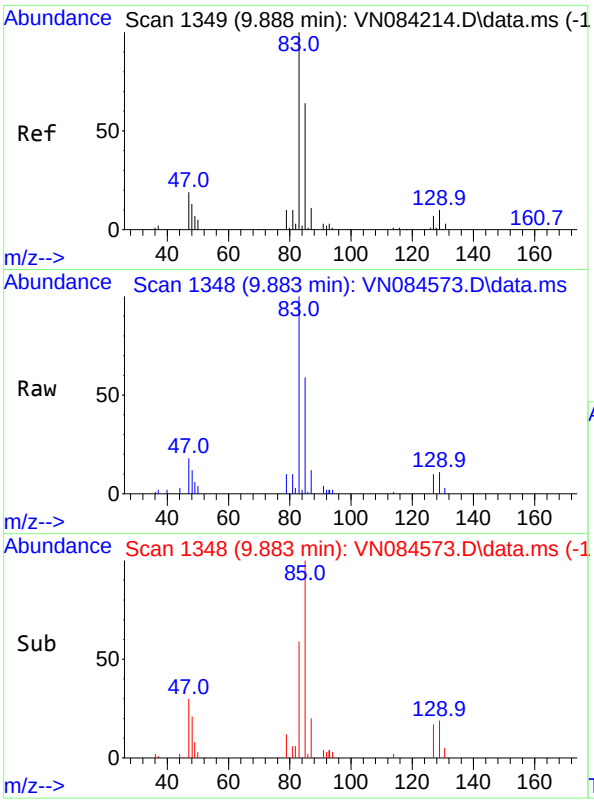


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 93 Resp: 15211

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.4
174	91.7	71.8	107.8



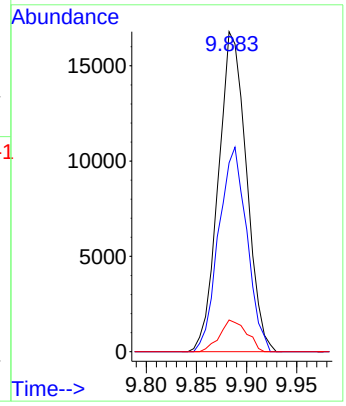


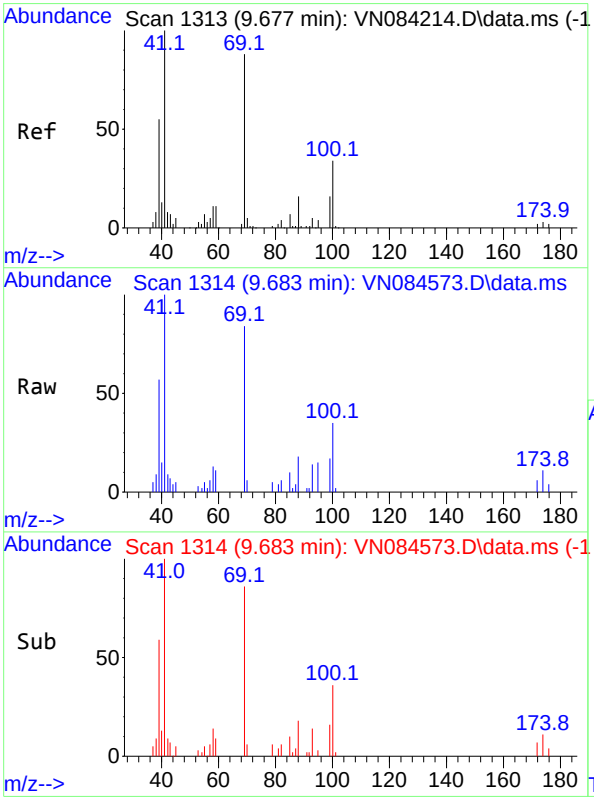
#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 32612

Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.5	77.3
127	9.9	5.7	8.5#

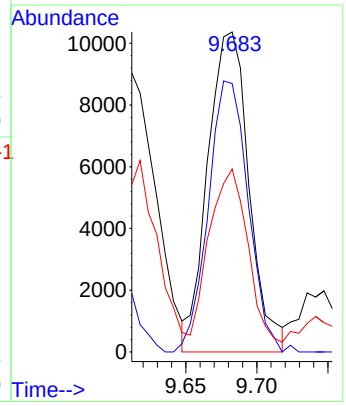


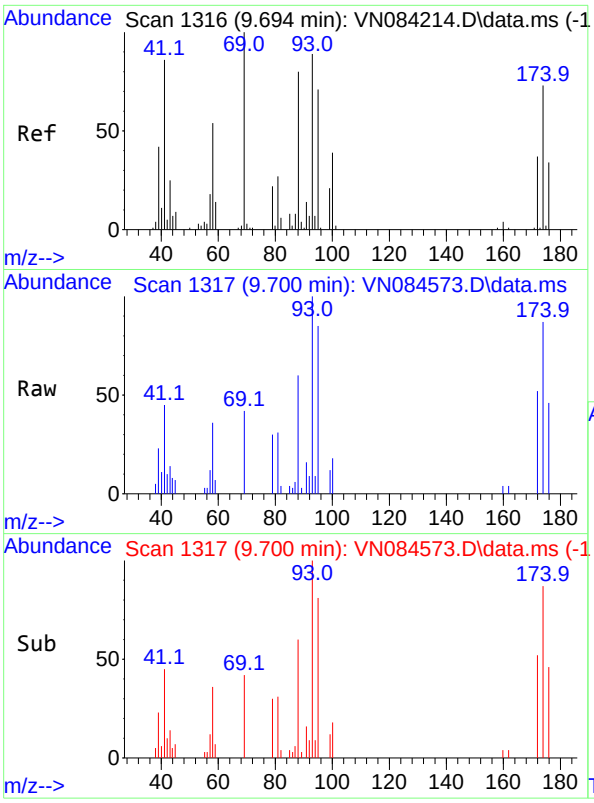


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 20961

Ion	Ratio	Lower	Upper
41	100		
69	81.9	67.1	100.7
39	55.2	45.8	68.6



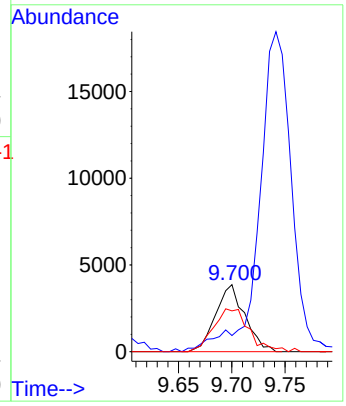


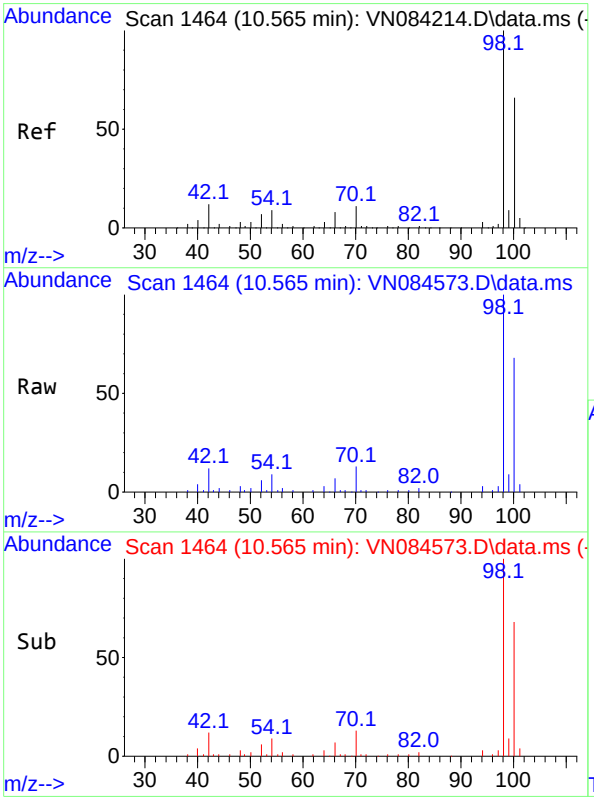
#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 7375

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	78.6	56.4	84.6

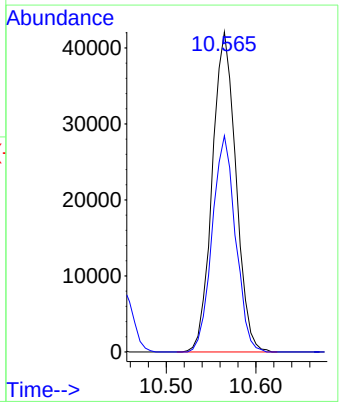


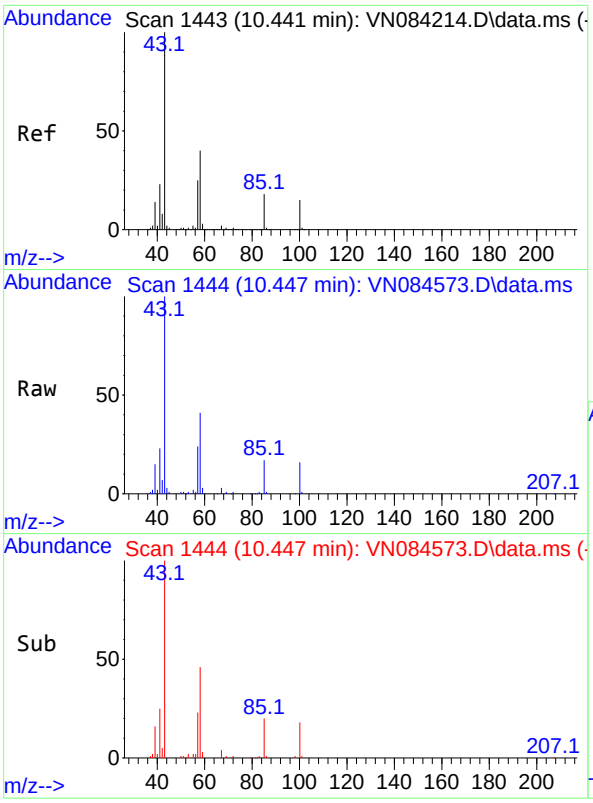


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1



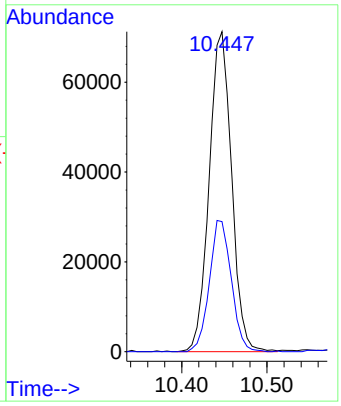


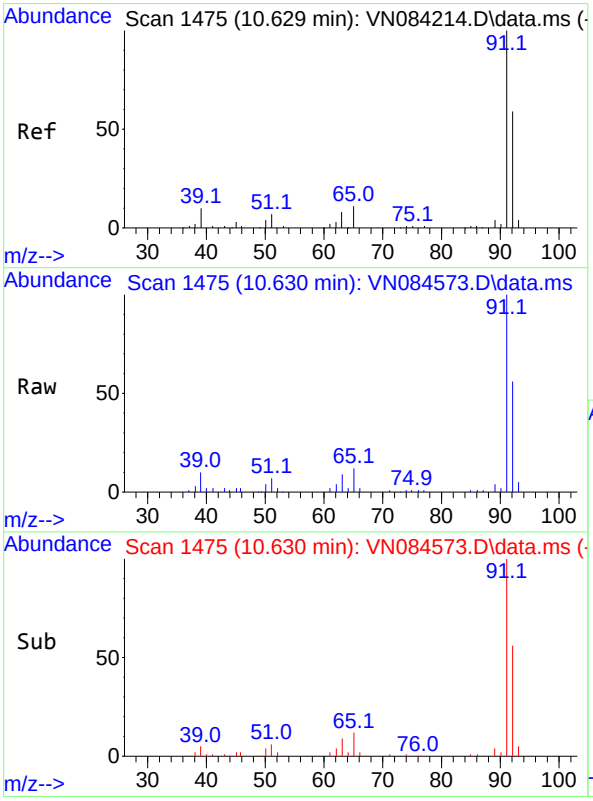
#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 130324

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

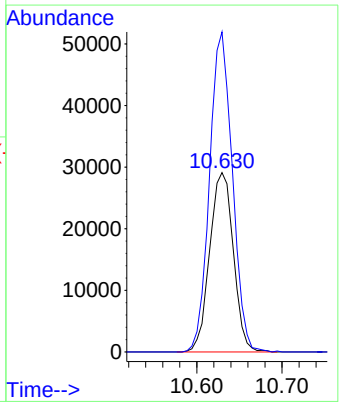


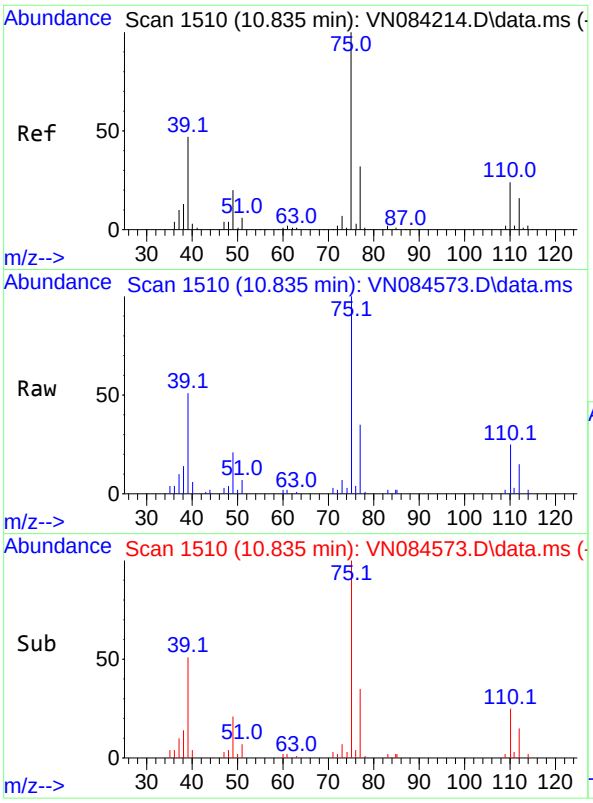


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9



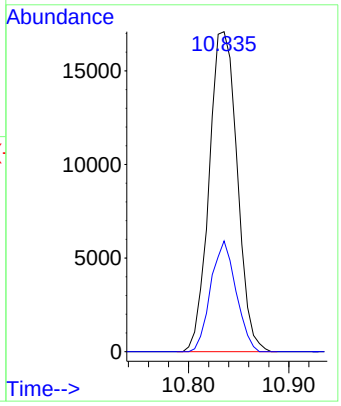


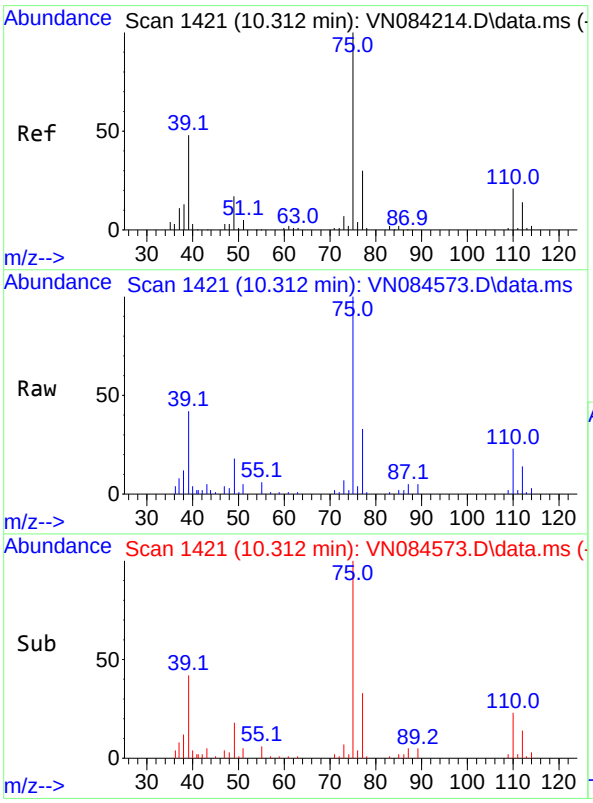
#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33220

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0

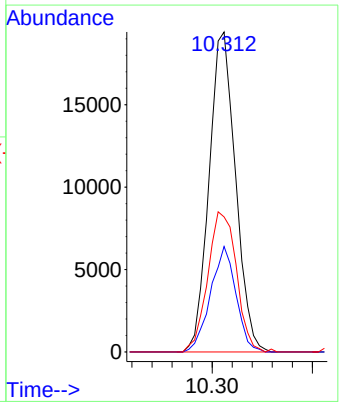


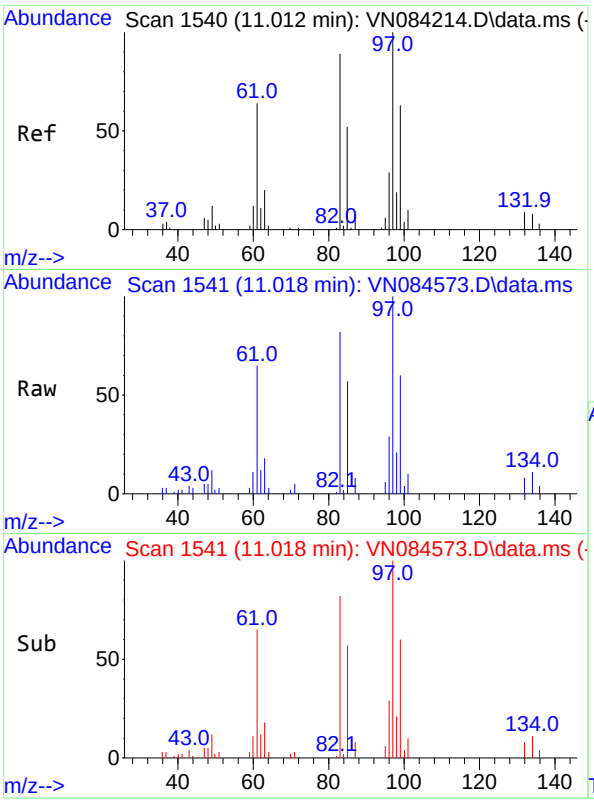


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 35562

Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.2	36.2
39	42.2	38.7	58.1



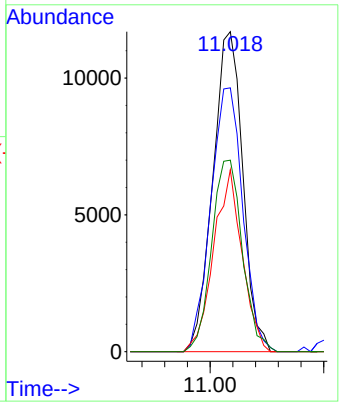


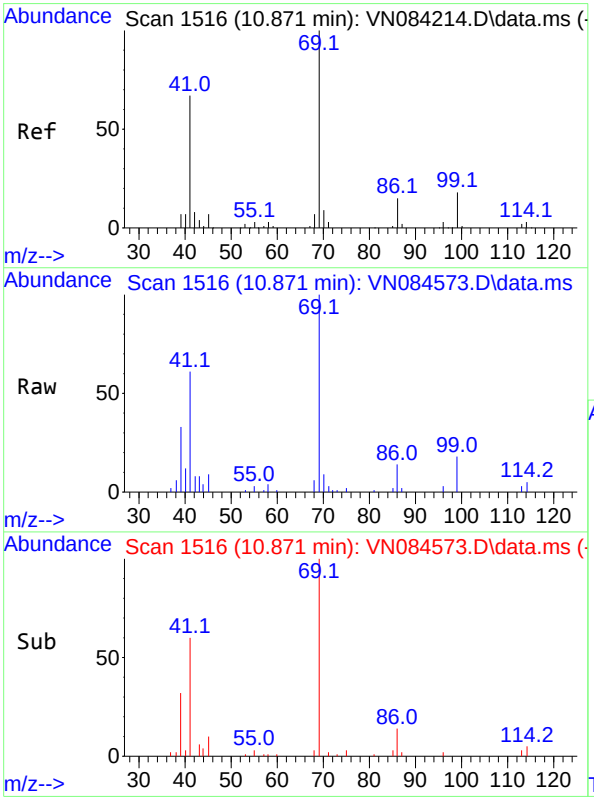
#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 21367

Ion	Ratio	Lower	Upper
97	100		
83	82.4	71.0	106.4
85	56.9	41.7	62.5
99	59.8	50.1	75.1

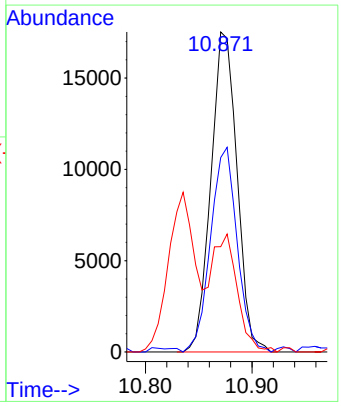


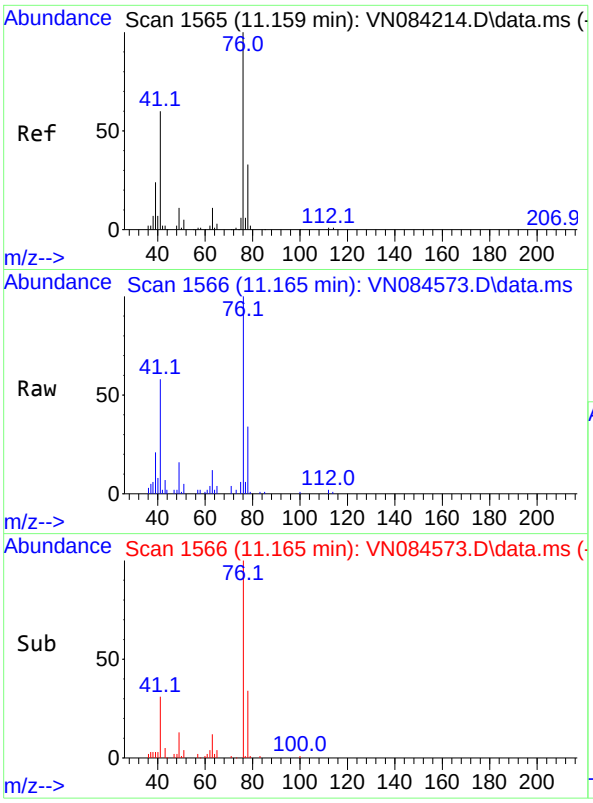


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 69 Resp: 29804

Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.3	79.9
39	37.1	28.8	43.2



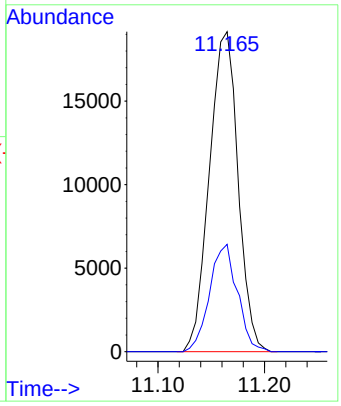


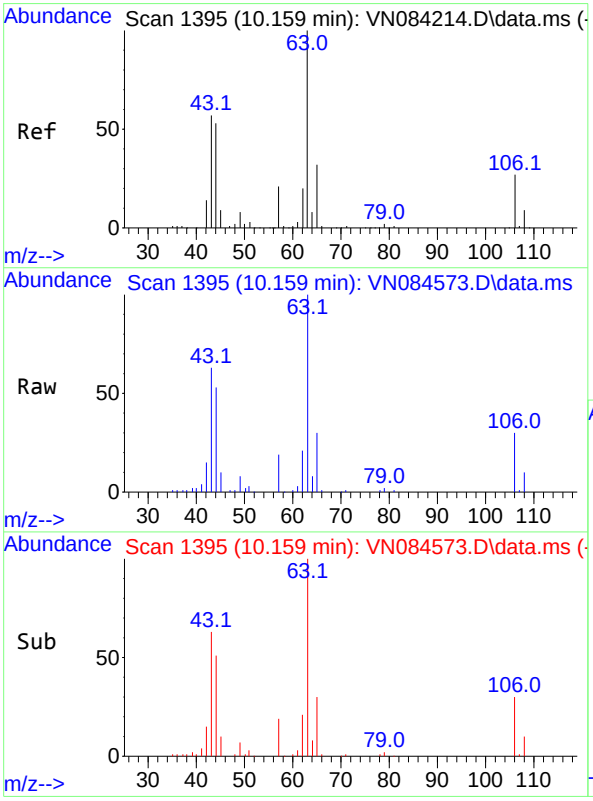
#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 35790

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

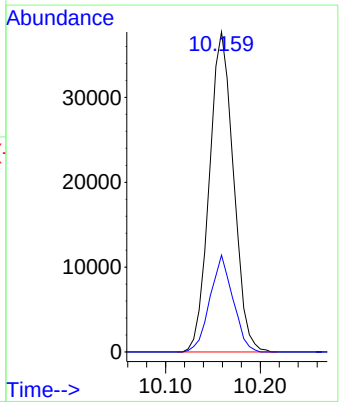


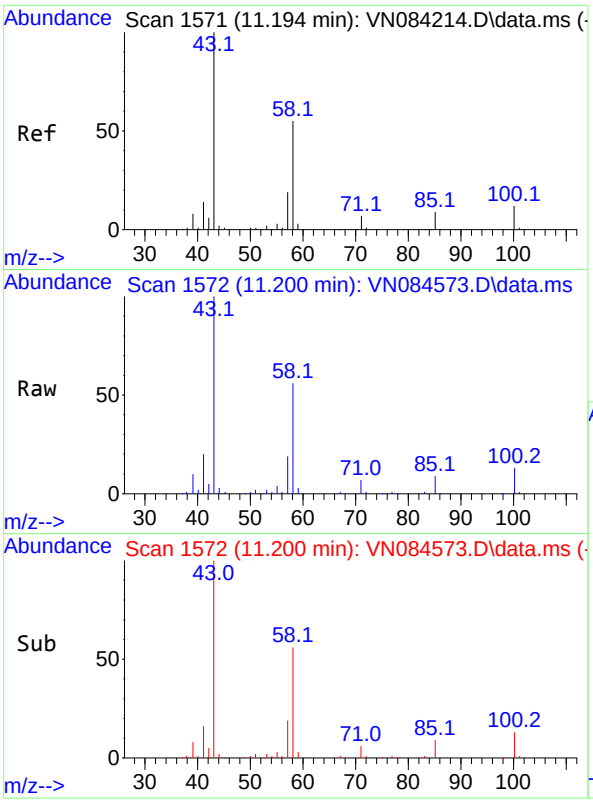


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



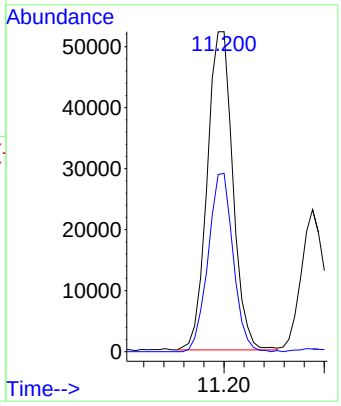


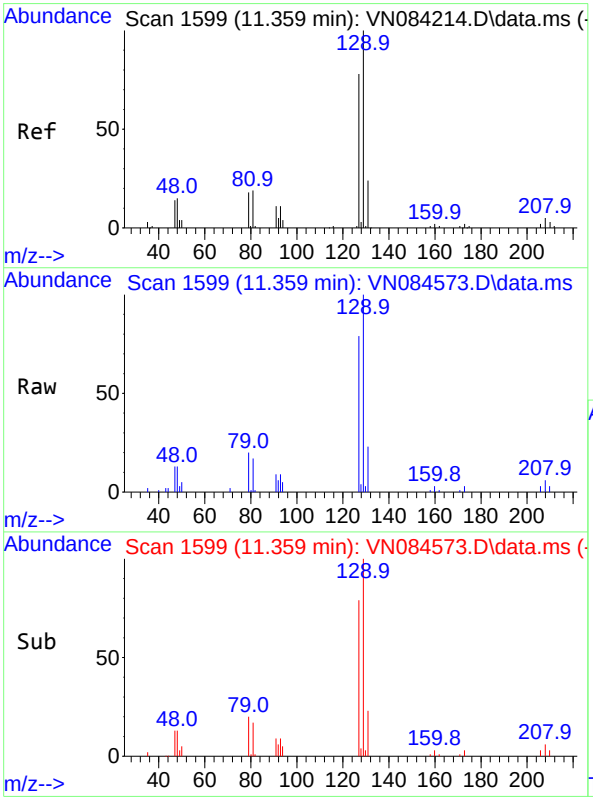
#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 92772

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

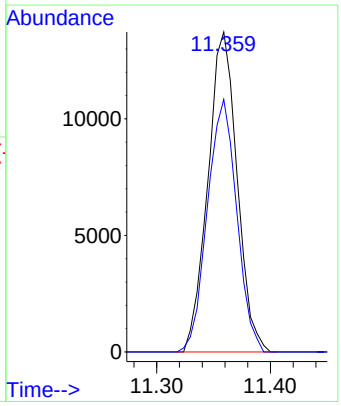


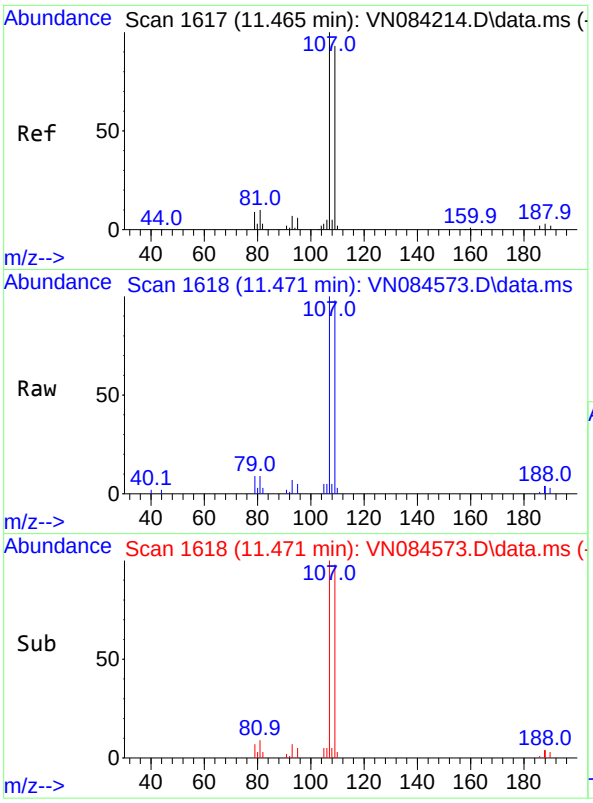


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9



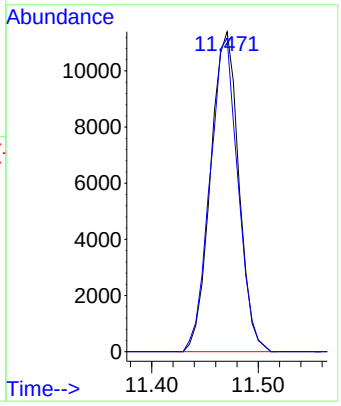


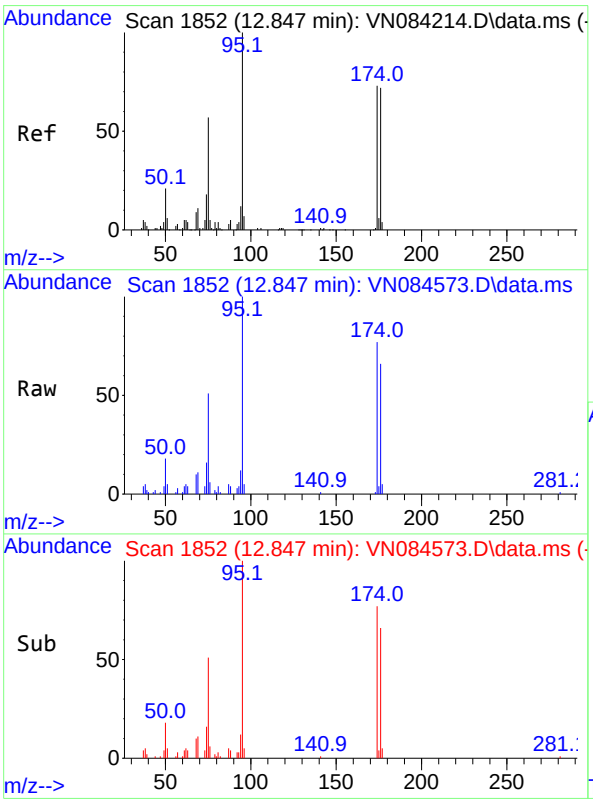
#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 20895

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0

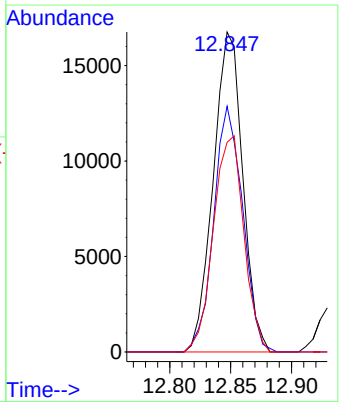


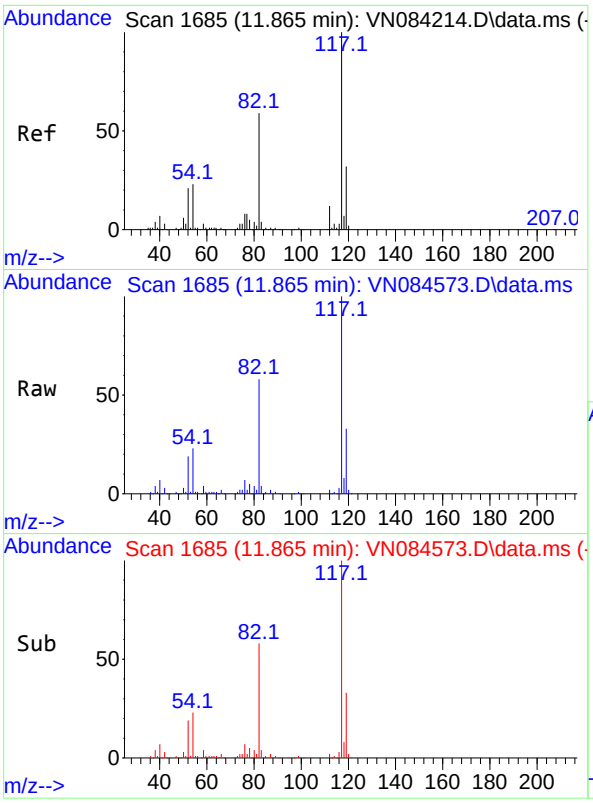


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 95 Resp: 28191

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	70.1	0.0	140.0



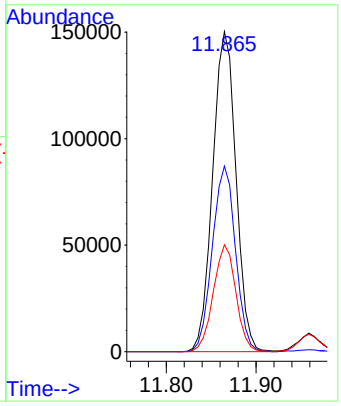


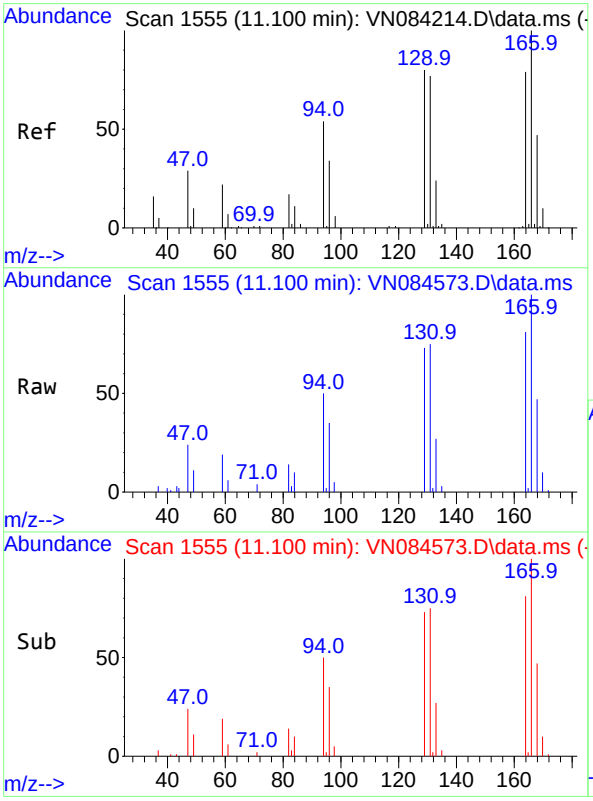
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 270408

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	33.4	25.4	38.0

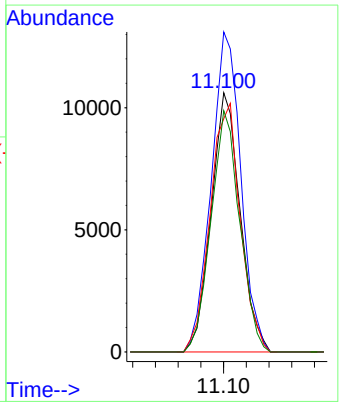


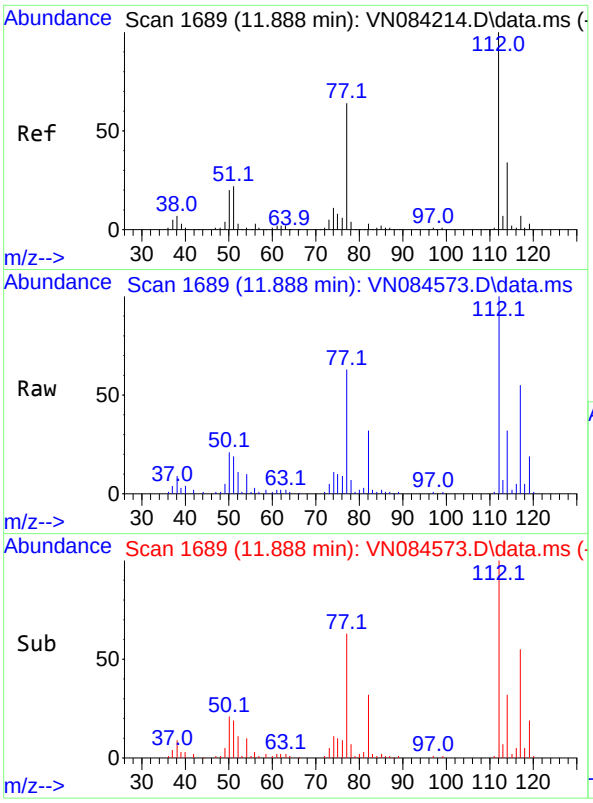


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:164 Resp: 18777

Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.0	151.4
129	90.0	80.8	121.2
131	93.1	78.1	117.1



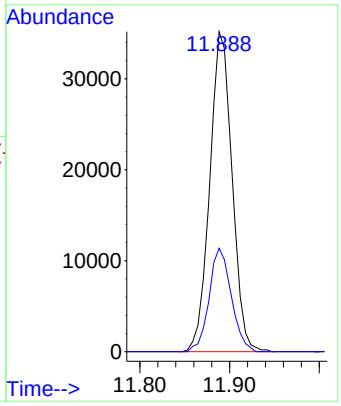


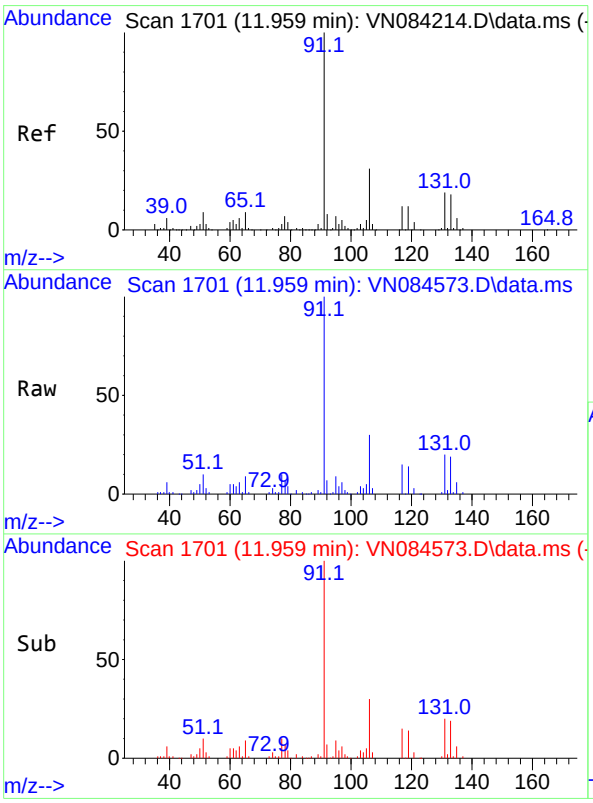
#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 60746

Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6

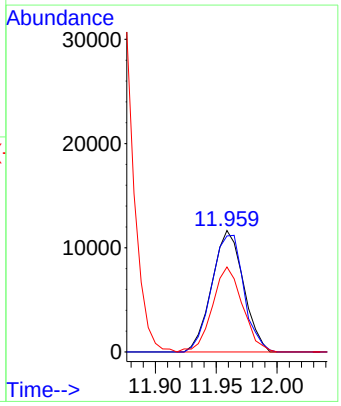


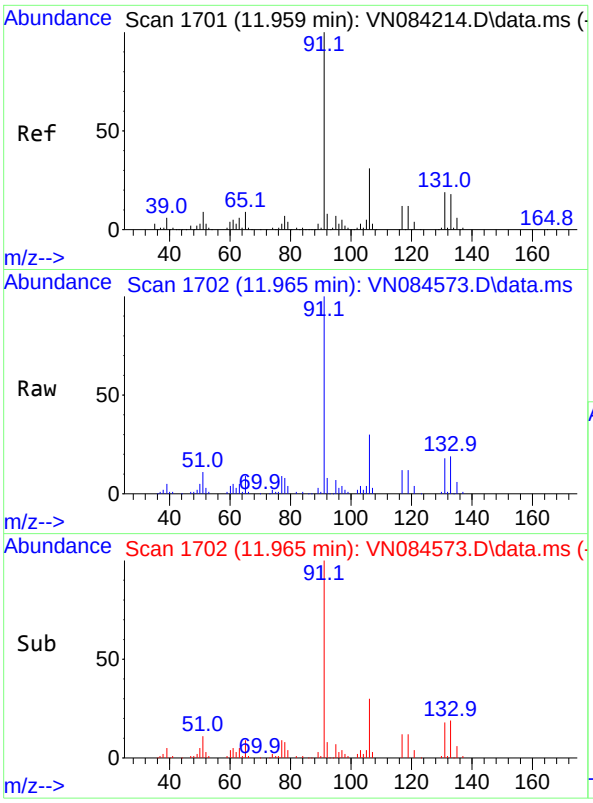


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:131 Resp: 21080

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.9	143.7
119	66.8	32.8	98.3



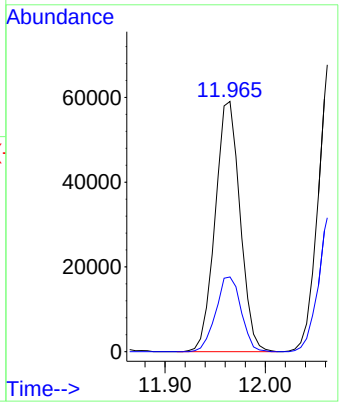


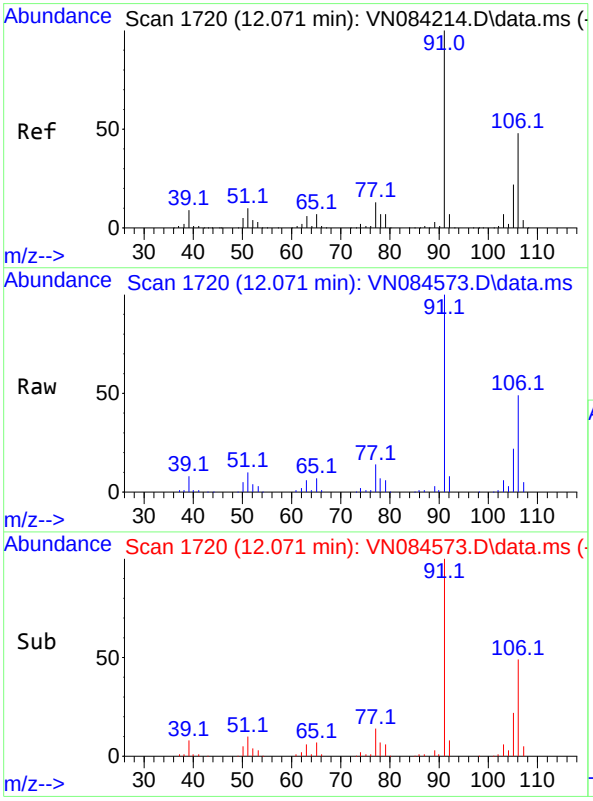
#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 101653

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7

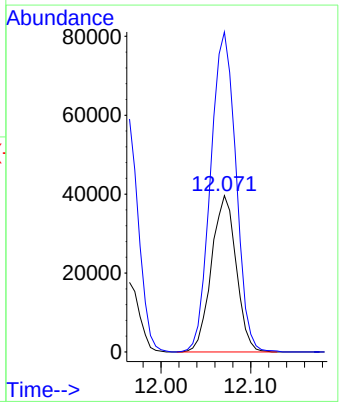


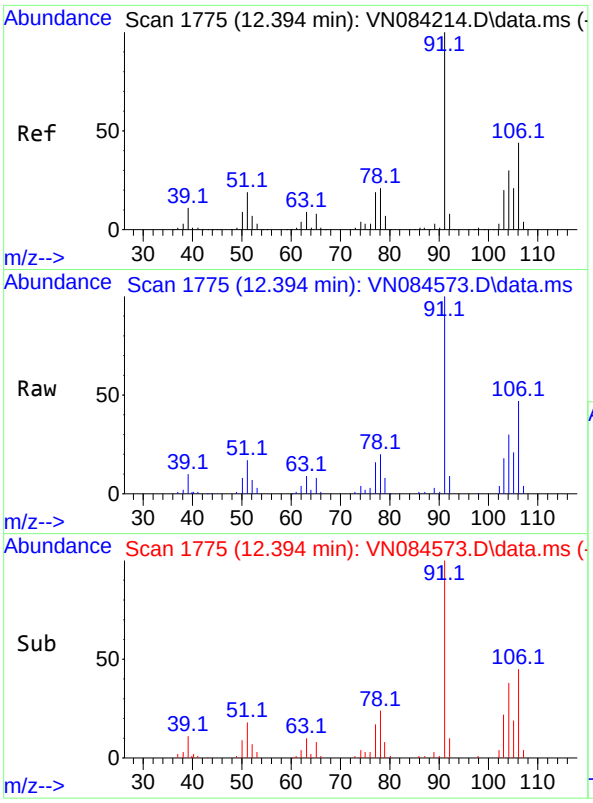


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7



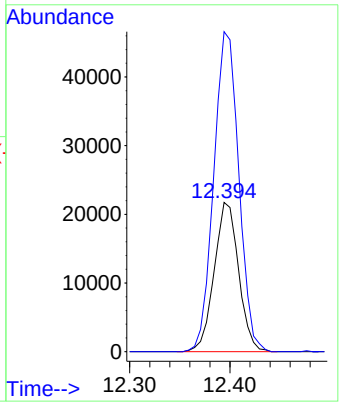


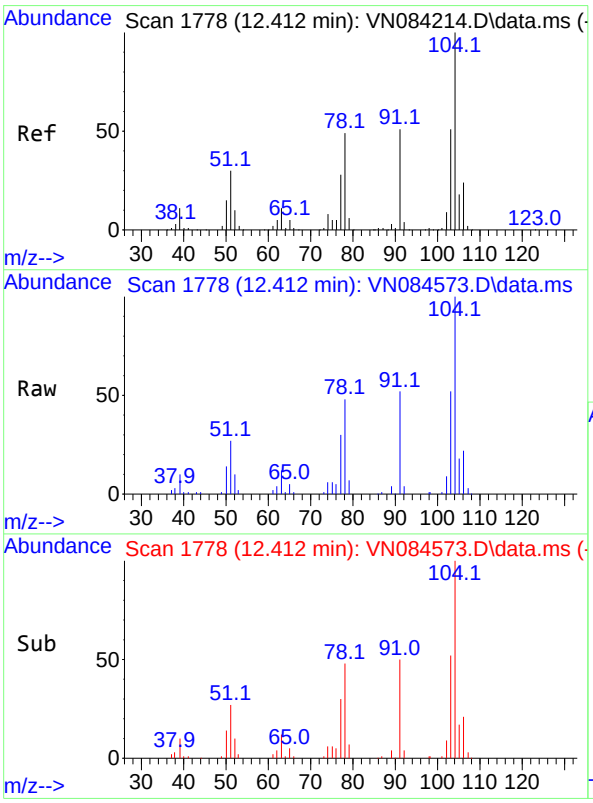
#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 36696

Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6

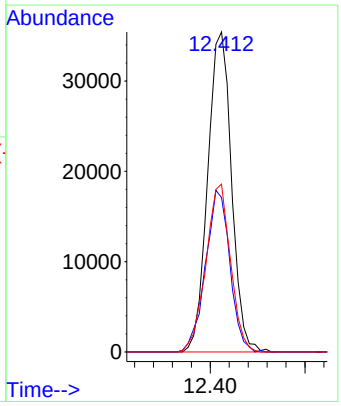


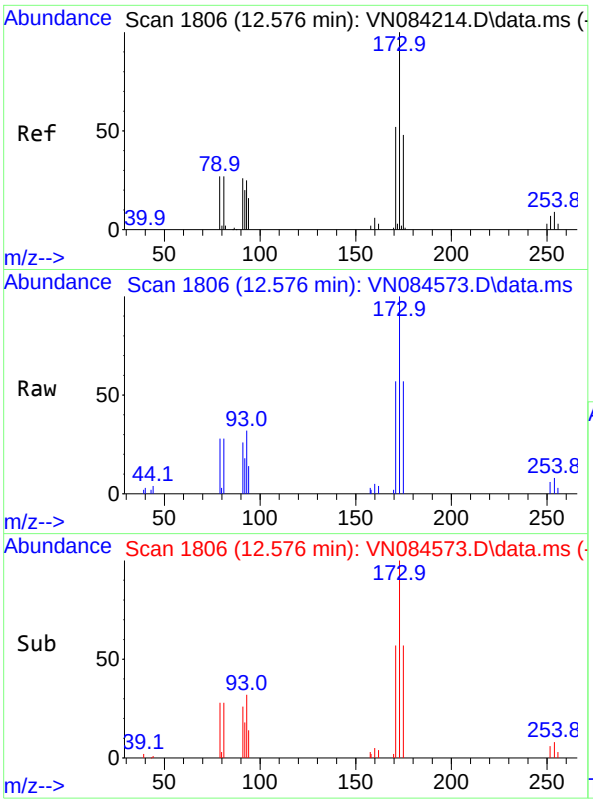


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:104 Resp: 61865

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.7	64.1
103	54.2	43.6	65.4



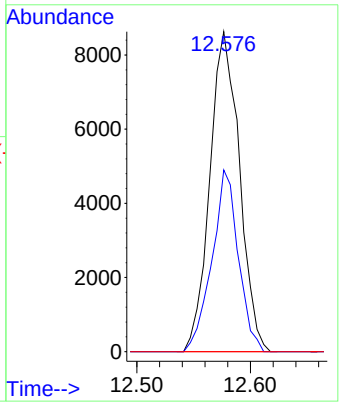


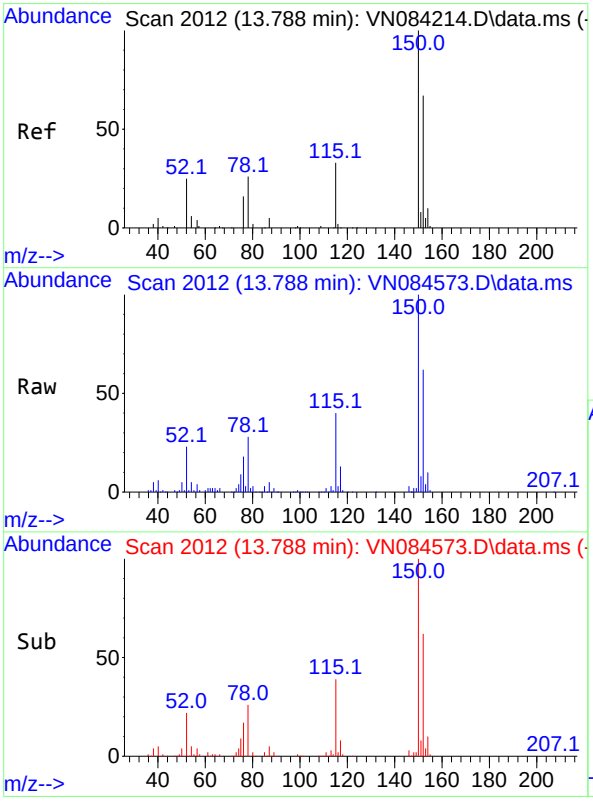
#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 15630

Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0

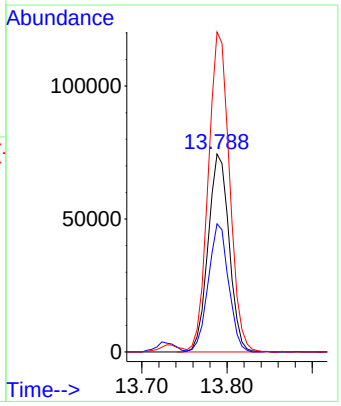


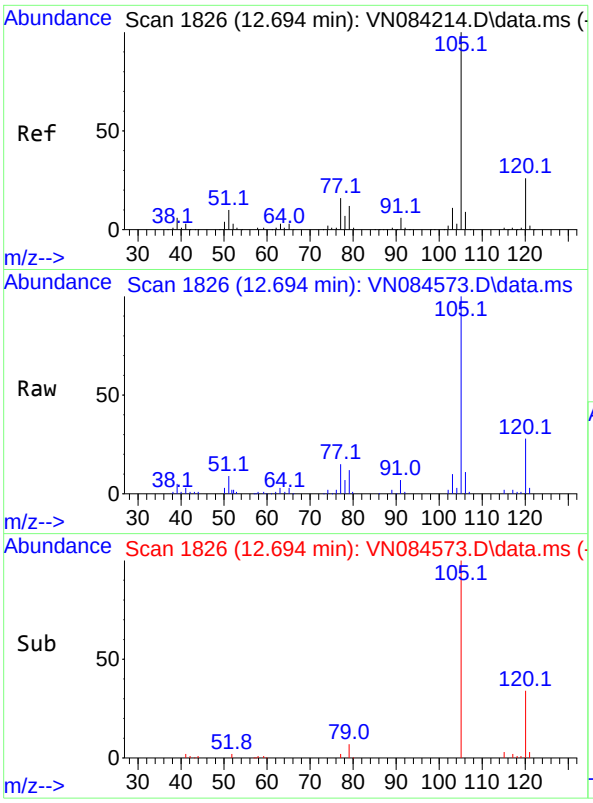


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:152 Resp: 127178

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	163.6	0.0	349.8



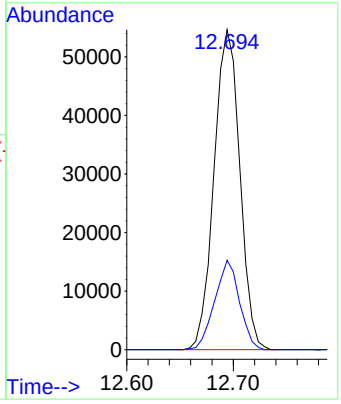


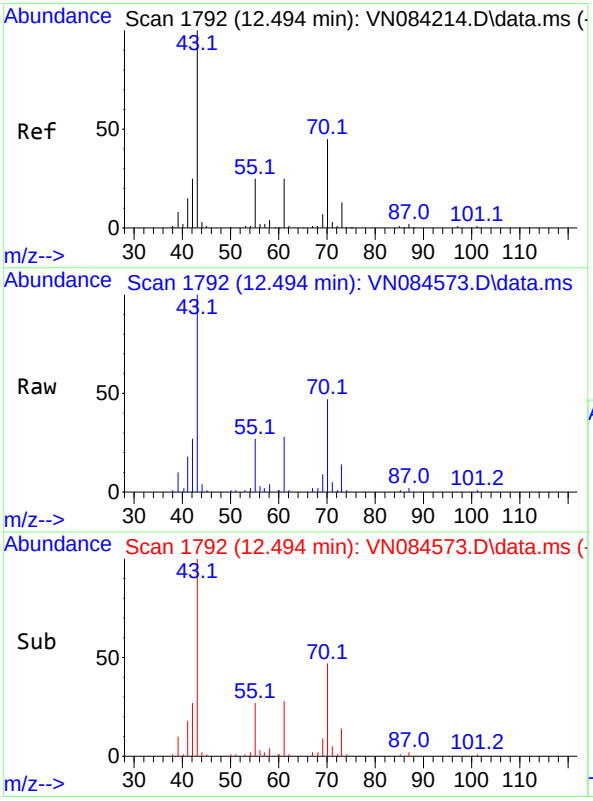
#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 91683

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7

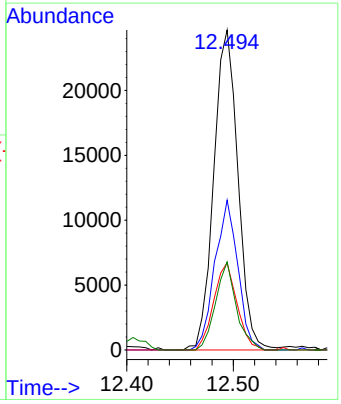


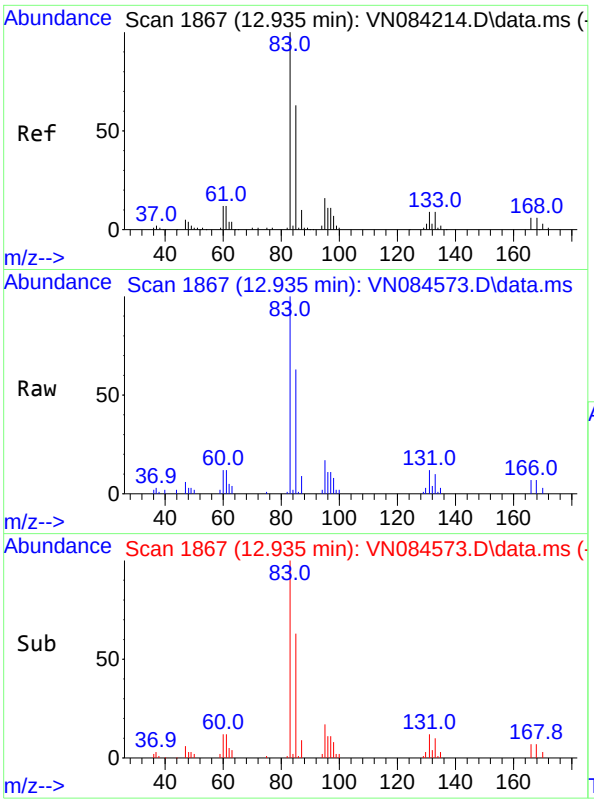


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 38841

Ion	Ratio	Lower	Upper
43	100		
70	44.5	34.4	51.6
55	26.2	19.6	29.4
61	23.6	19.6	29.4



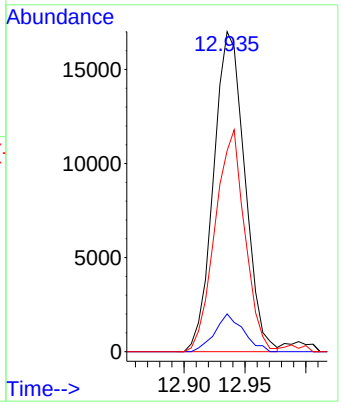


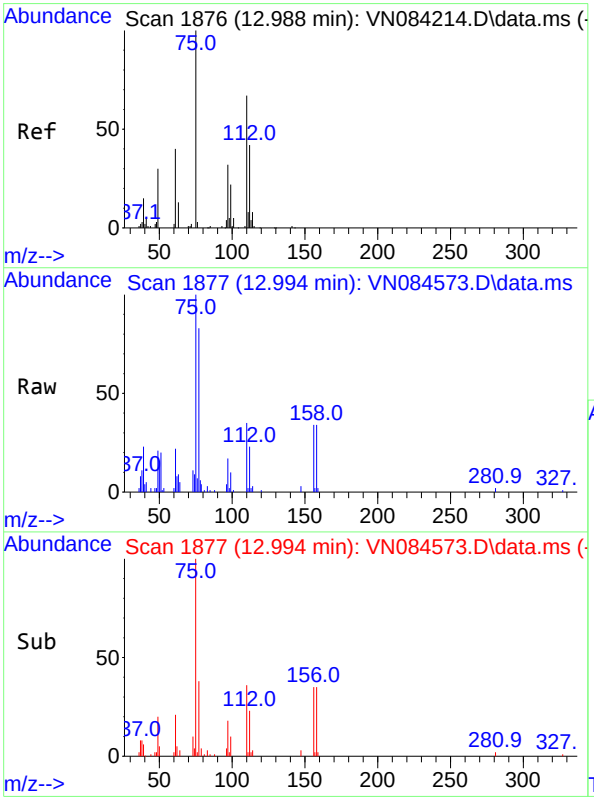
#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 30270

Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.4	31.9	95.7

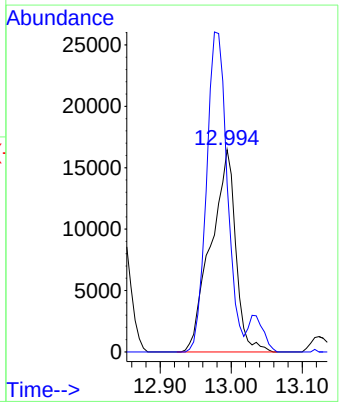


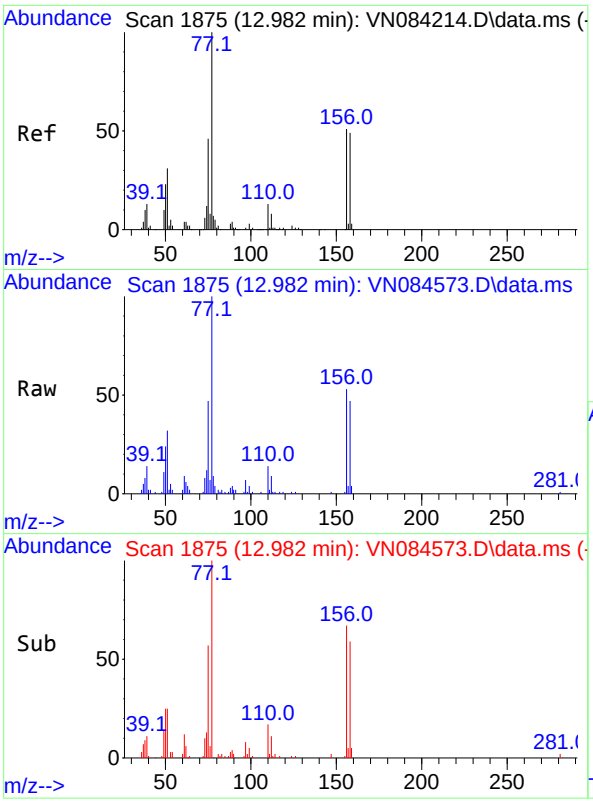


#76
1,2,3-Trichloropropane
Concen: 15.913 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 39936

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



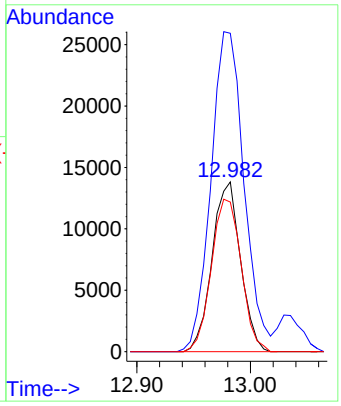


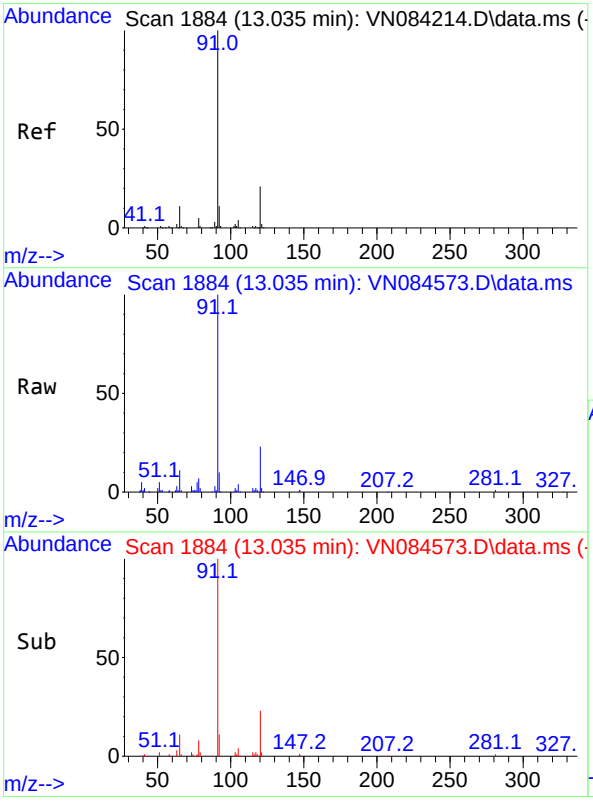
#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 23987

Ion	Ratio	Lower	Upper
156	100		
77	219.4	115.1	345.3
158	94.5	48.9	146.8

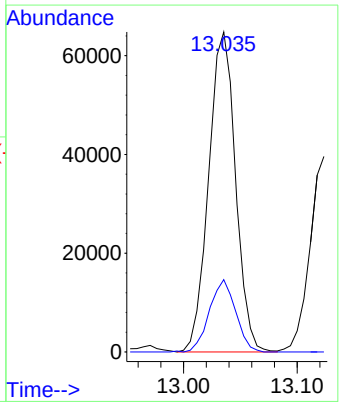


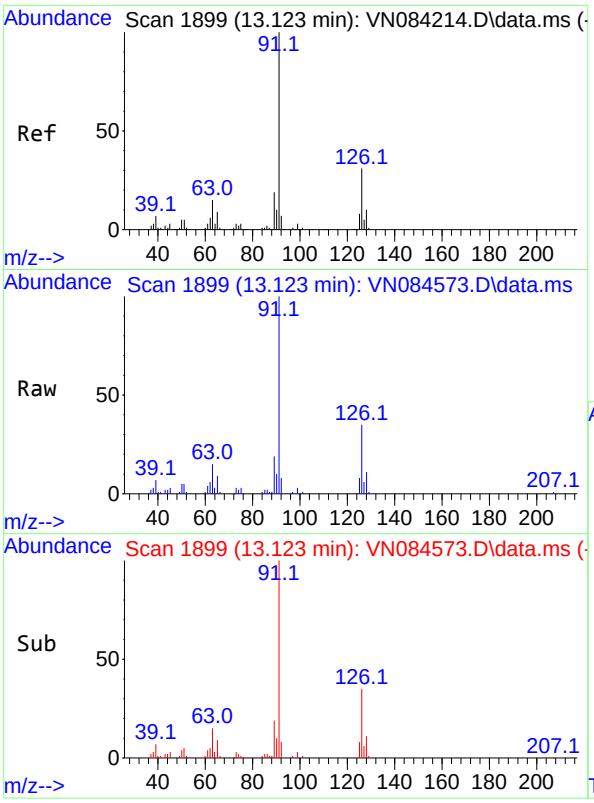


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



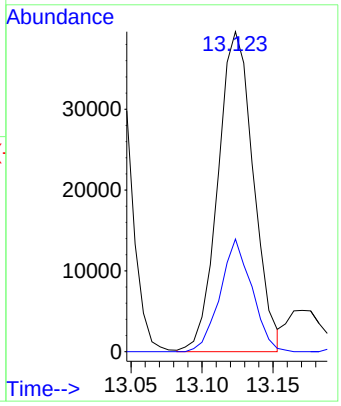


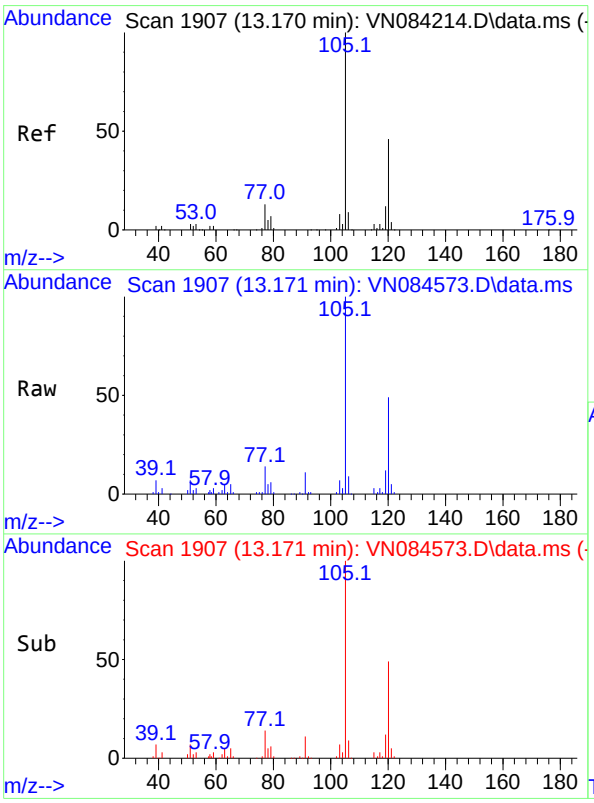
#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 68678

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

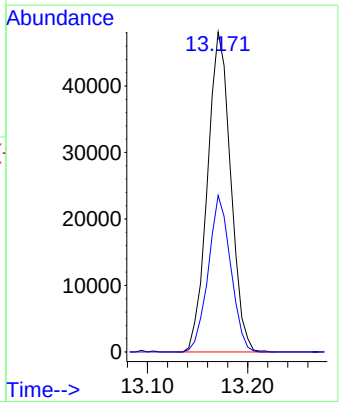


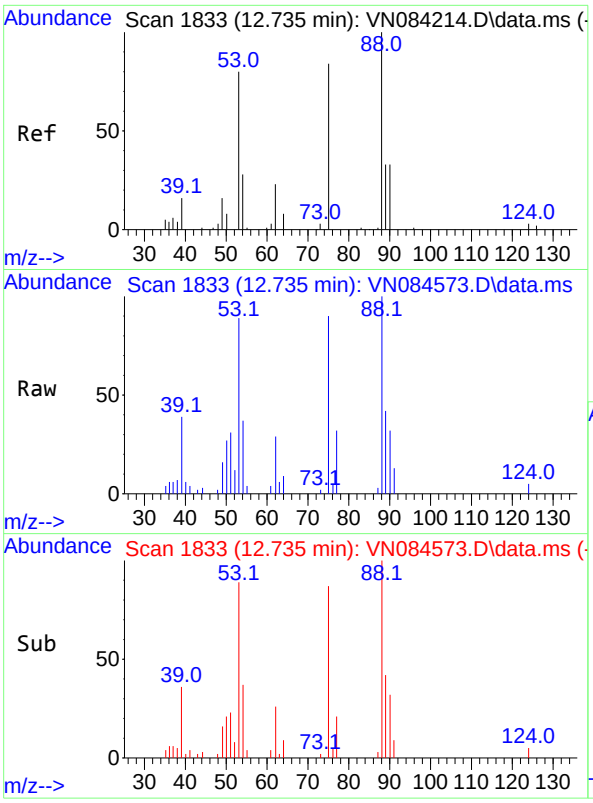


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



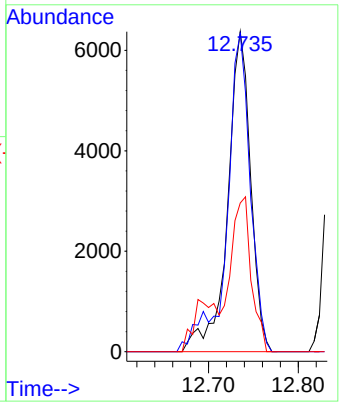


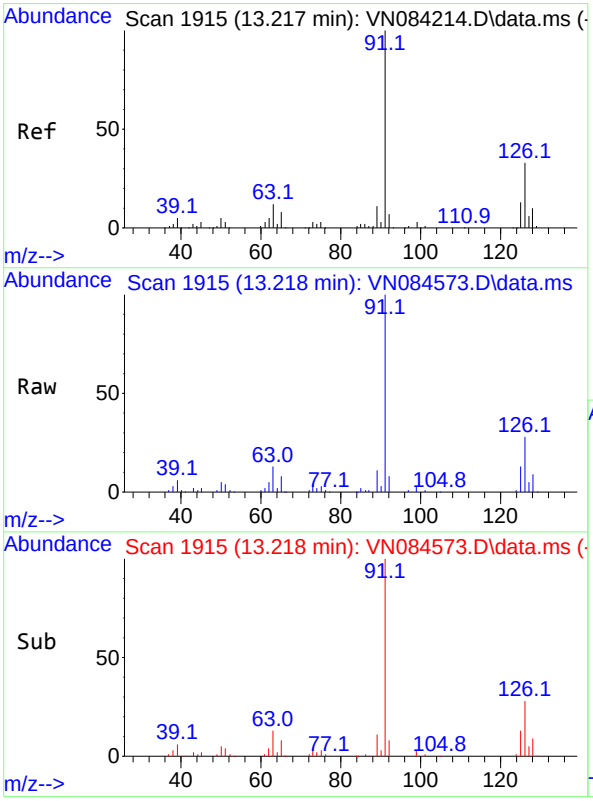
#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 11334

Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.0	117.0
89	43.2	35.5	53.3

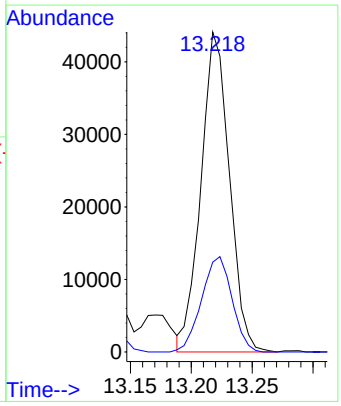


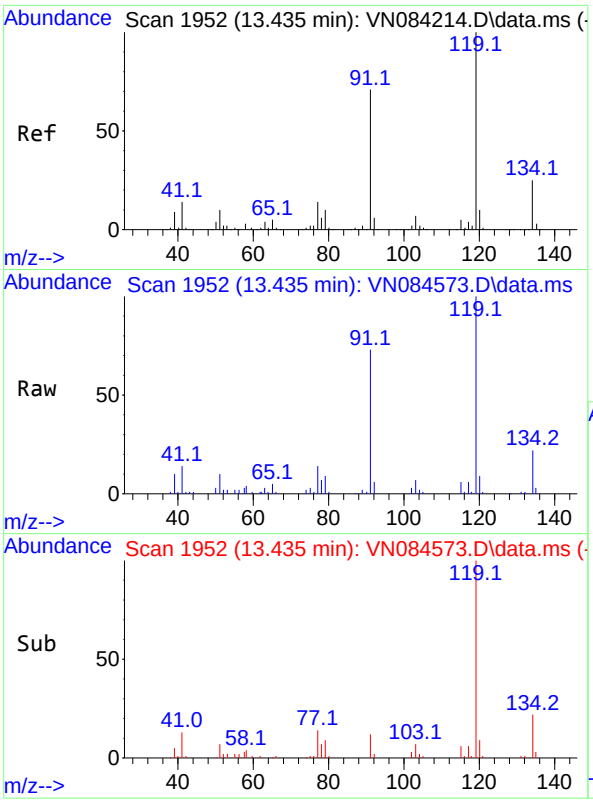


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



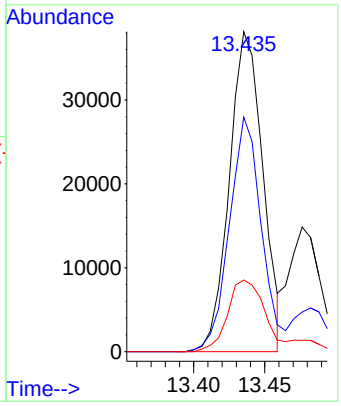


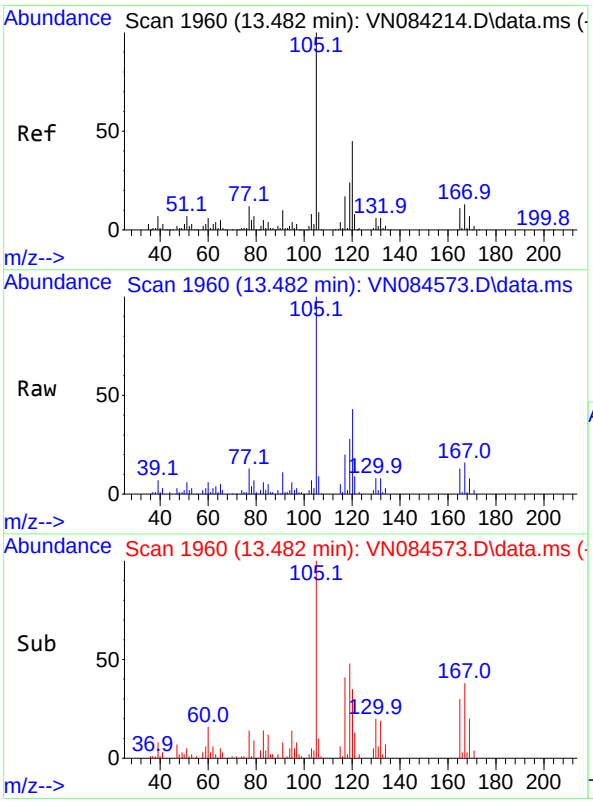
#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 62600

Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.1	102.3
134	24.7	12.8	38.4

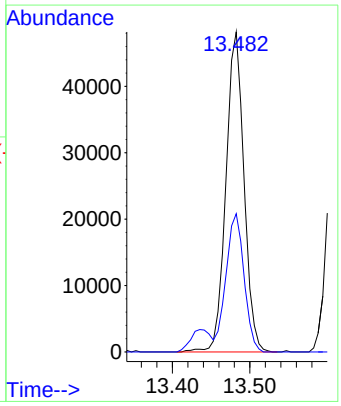


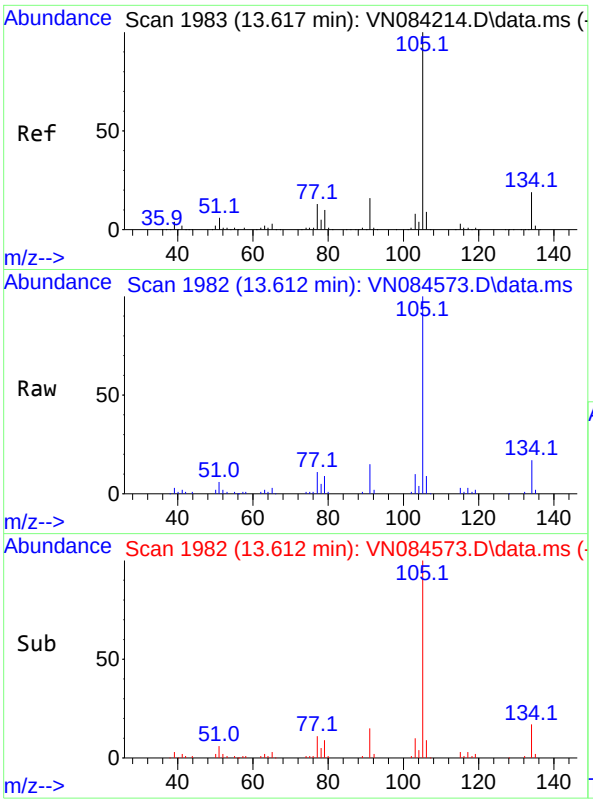


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



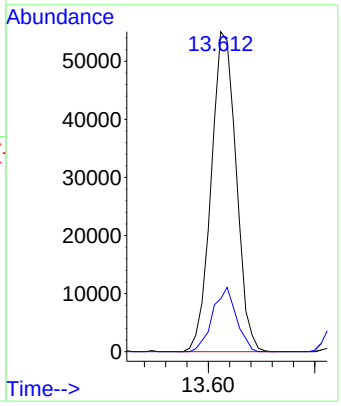


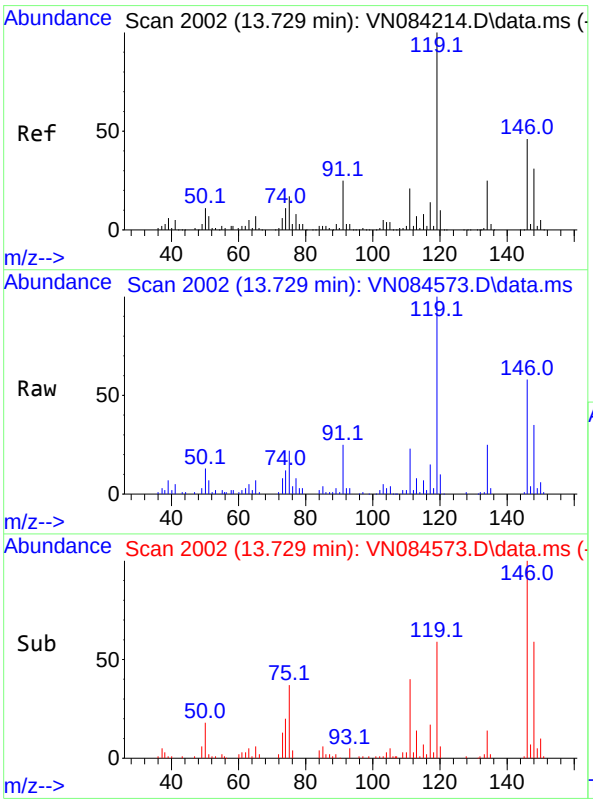
#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 89469

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

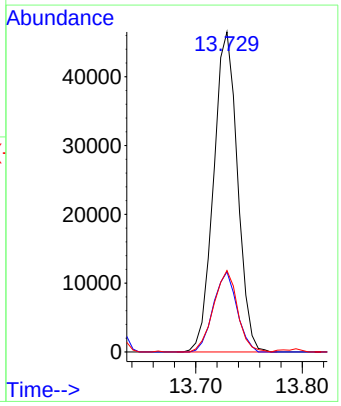


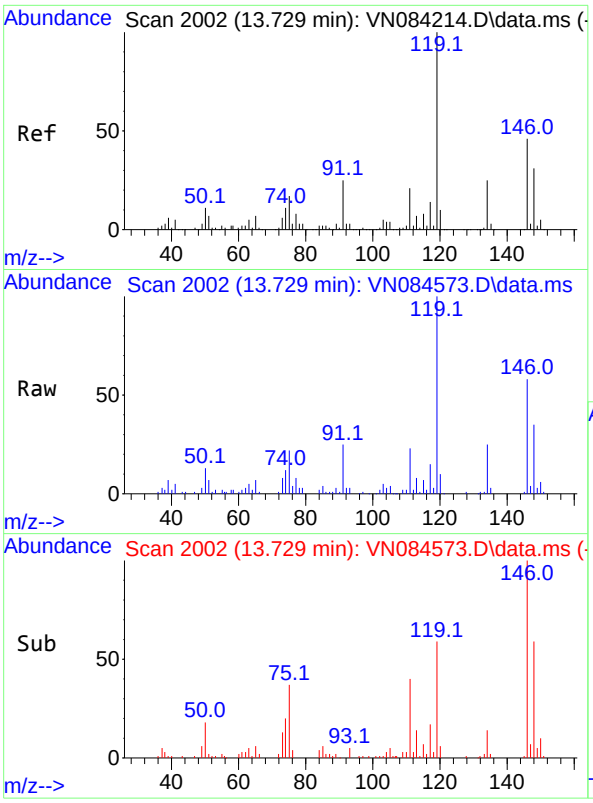


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 72307

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.6	37.8
91	25.5	12.4	37.2



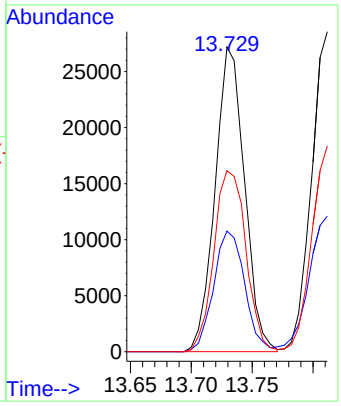


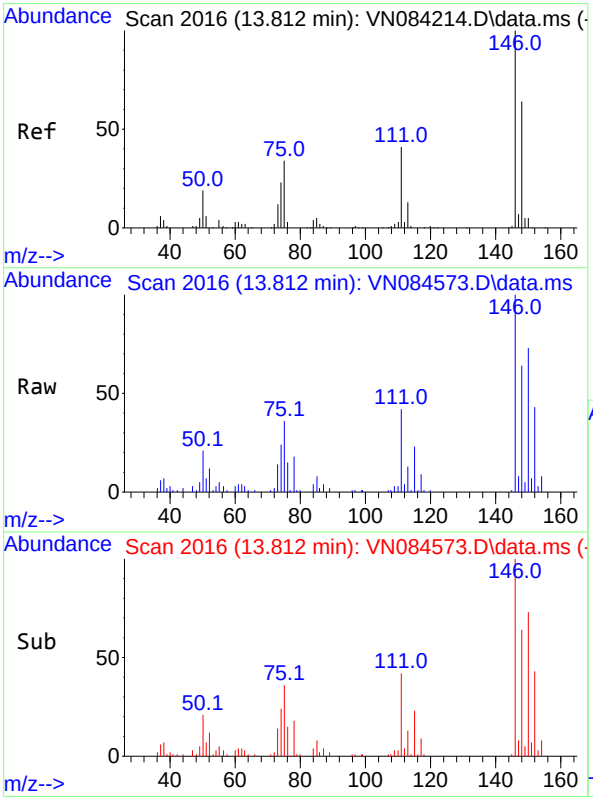
#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 45832

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	64.6	31.9	95.7

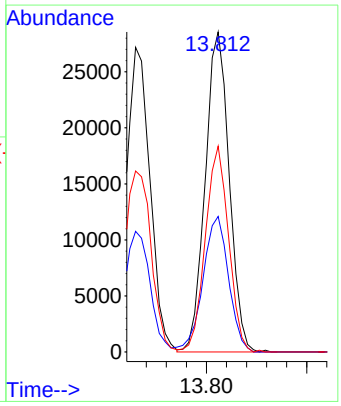


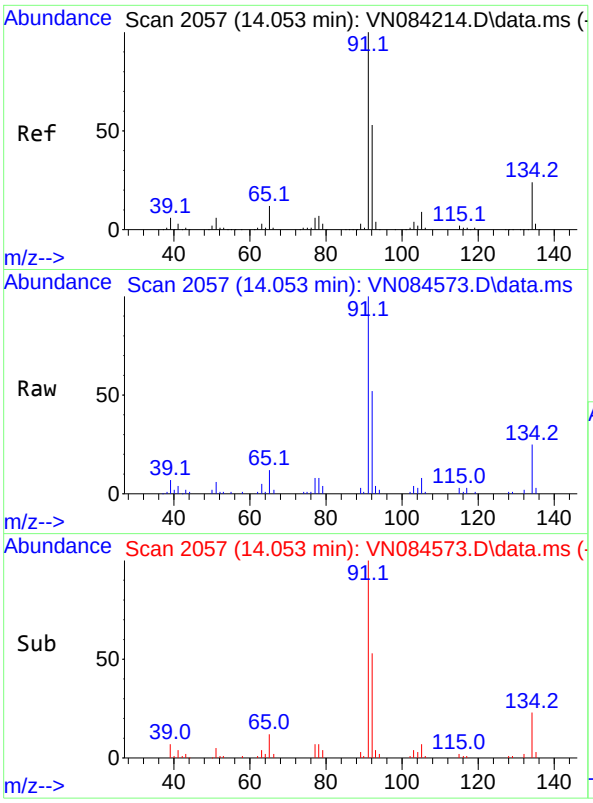


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 47483

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.2	63.6
148	62.4	31.9	95.9



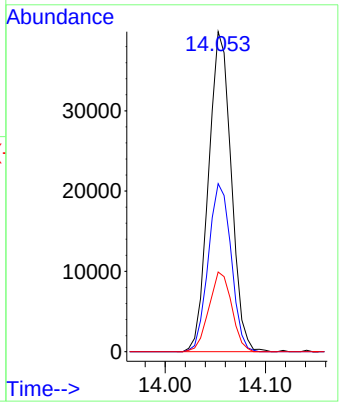


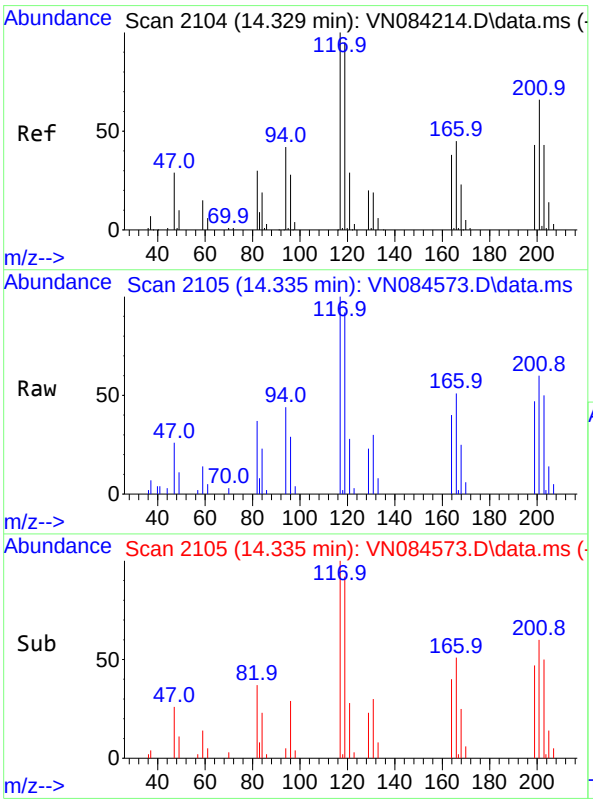
#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 62495

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	25.1	12.3	36.9

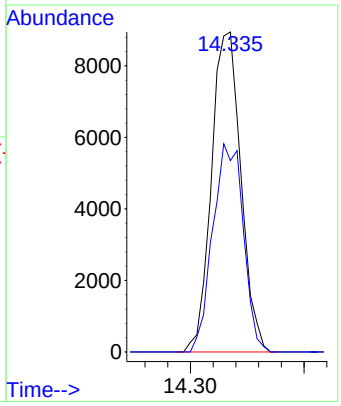


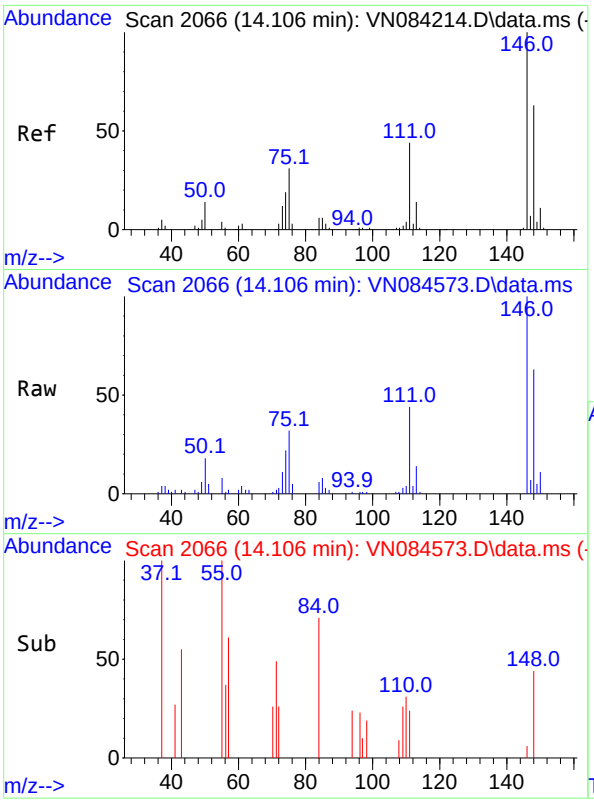


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



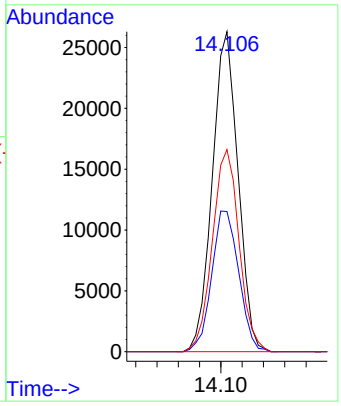


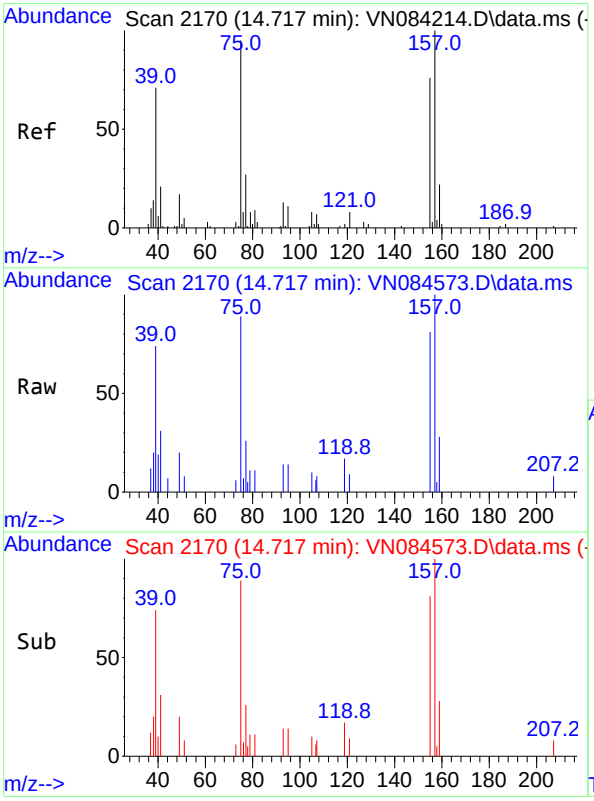
#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 44055

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.6	32.1	96.3

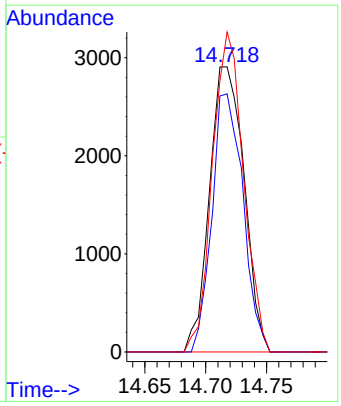


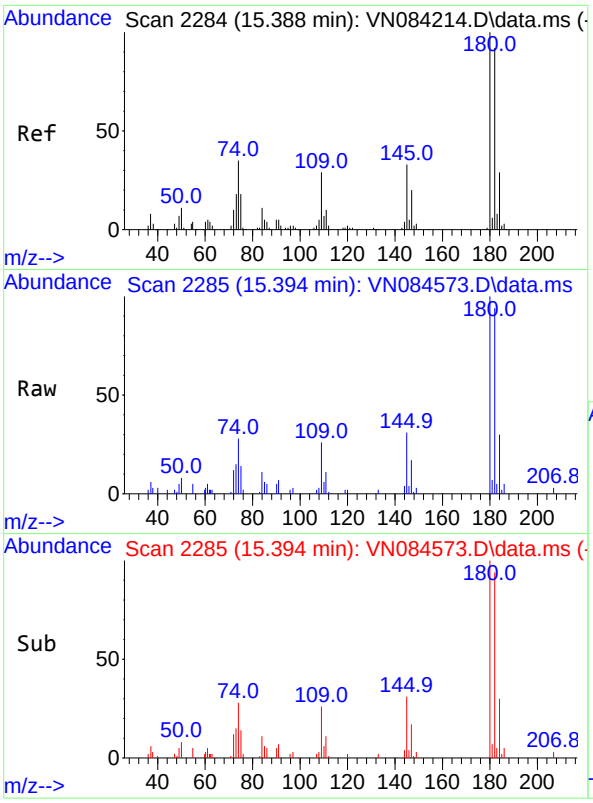


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 5744

Ion	Ratio	Lower	Upper
75	100		
155	81.3	38.1	114.5
157	101.0	49.6	149.0



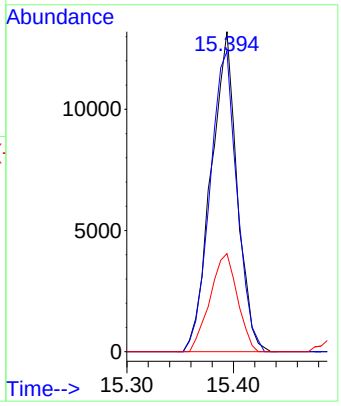


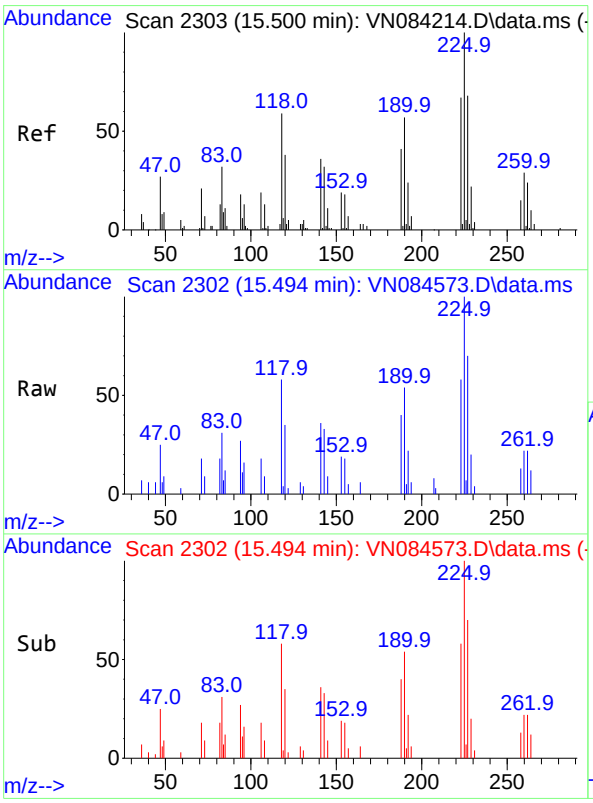
#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 22413

Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	32.1	16.4	49.4

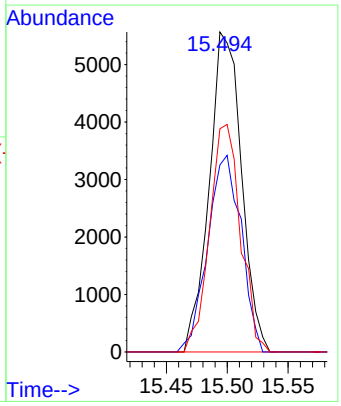


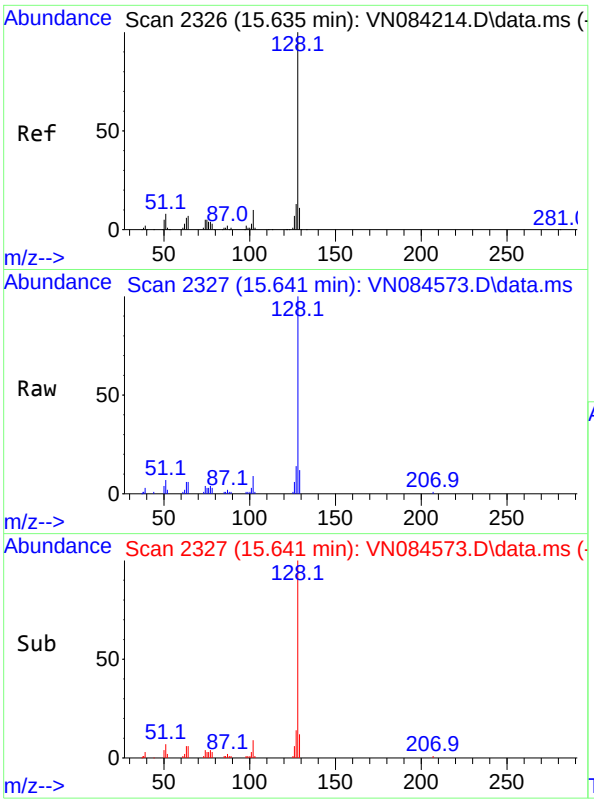


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:225 Resp: 10263

Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.2
227	68.2	32.4	97.0



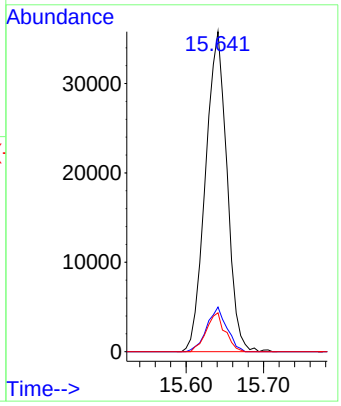


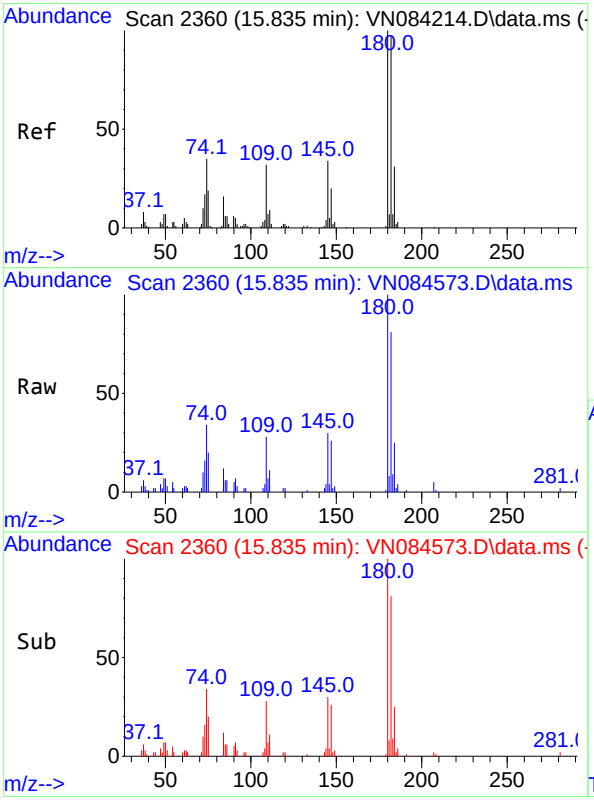
#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 68919

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1

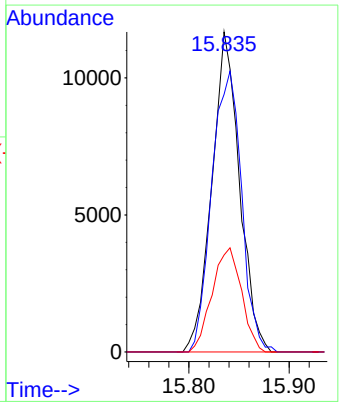




#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22303

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	34.7	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.680%#				
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.440%#				
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.760%#				
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.740%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199 ug/l	97
42) 1,2-Dichloroethane	8.665	62	14972	5.150 ug/l	98
43) Isopropyl Acetate	8.689	43	30044	5.554 ug/l #	90
44) Trichloroethene	9.347	130	10168	4.911 ug/l	89
45) 1,2-Dichloropropane	9.618	63	11095	5.269 ug/l	97
46) Dibromomethane	9.706	93	7752	5.217 ug/l	97
47) Bromodichloromethane	9.889	83	15749	5.028 ug/l #	98
48) Methyl methacrylate	9.677	41	9971	5.051 ug/l	97
49) 1,4-Dioxane	9.700	88	3729	106.609 ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367 ug/l	100
52) Toluene	10.630	92	26518	5.051 ug/l	99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154 ug/l	93
56) Ethyl methacrylate	10.871	69	13362	4.671 ug/l	94
57) 1,3-Dichloropropane	11.165	76	17816	5.249 ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477 ug/l	98
59) 2-Hexanone	11.194	43	43750	24.860 ug/l	97
60) Dibromochloromethane	11.359	129	11226	4.980 ug/l	96
61) 1,2-Dibromoethane	11.471	107	10584	5.226 ug/l	97
64) Tetrachloroethene	11.100	164	8917	5.271 ug/l #	87
65) Chlorobenzene	11.888	112	29618	5.205 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186 ug/l	99
67) Ethyl Benzene	11.965	91	47037	4.952 ug/l	98
68) m/p-Xylenes	12.065	106	34753	9.665 ug/l	100
69) o-Xylene	12.394	106	16393	4.873 ug/l	99
70) Styrene	12.412	104	27807	4.739 ug/l	98
71) Bromoform	12.577	173	7686	5.161 ug/l #	95
73) Isopropylbenzene	12.694	105	40223	4.855 ug/l	99
74) N-amyl acetate	12.494	43	18583	5.270 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	18713	8.021 ug/l	59
77) Bromobenzene	12.983	156	11012	4.944 ug/l	98
78) n-propylbenzene	13.035	91	47776	4.921 ug/l	99
79) 2-Chlorotoluene	13.124	91	32460	5.117 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116 ug/l	93
82) 4-Chlorotoluene	13.218	91	33672	5.044 ug/l	98
83) tert-Butylbenzene	13.435	119	26850	4.724 ug/l	95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614 ug/l	100
85) sec-Butylbenzene	13.612	105	37187	4.632 ug/l	97
86) p-Isopropyltoluene	13.730	119	29767	4.521 ug/l	97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741 ug/l	91
89) n-Butylbenzene	14.053	91	29010	4.710 ug/l	99
90) Hexachloroethane	14.335	117	7404	5.043 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781 ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942 ug/l	99
94) Hexachlorobutadiene	15.500	225	5184	5.163 ug/l	96
95) Naphthalene	15.641	128	32966	4.817 ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

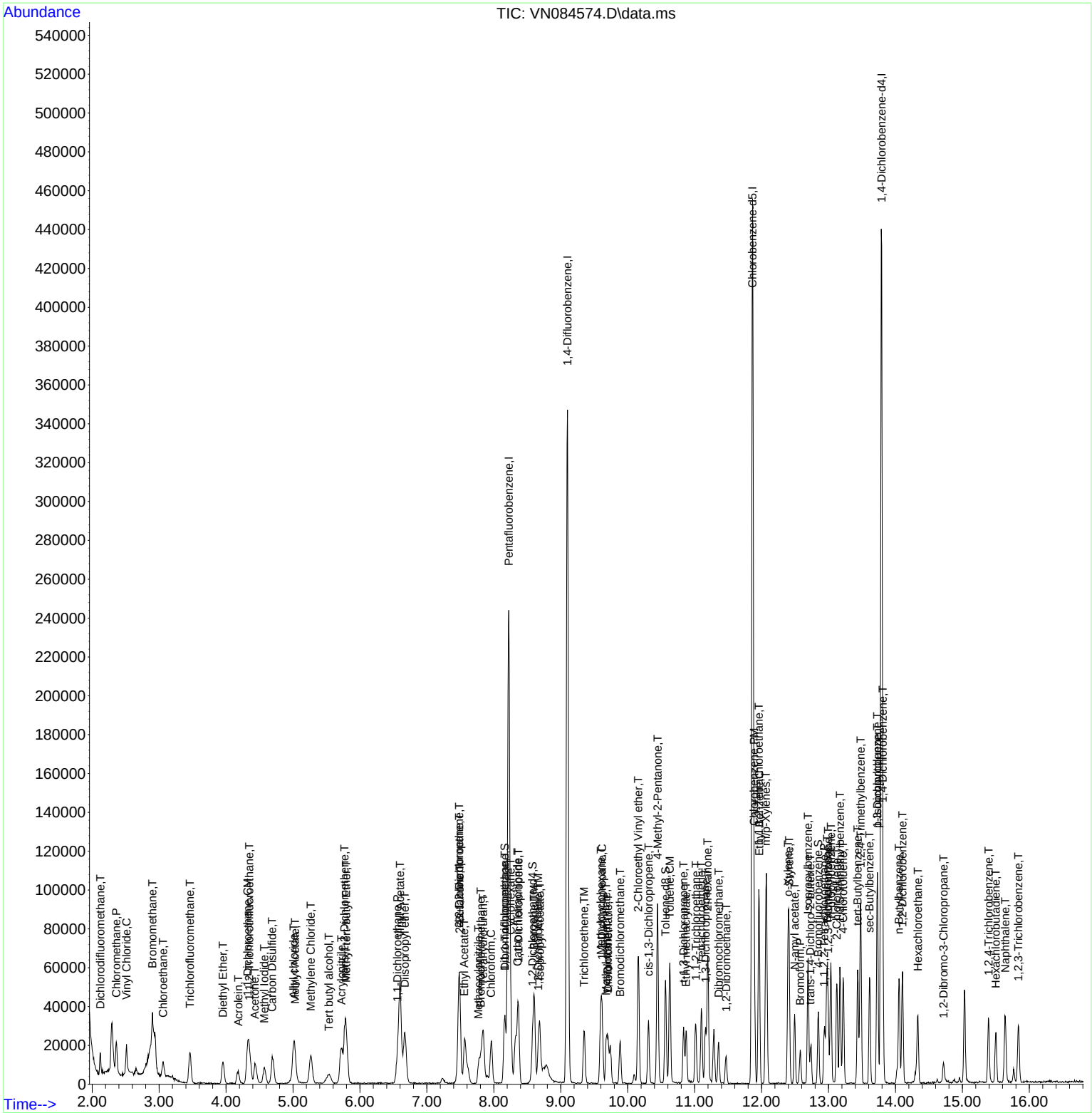
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

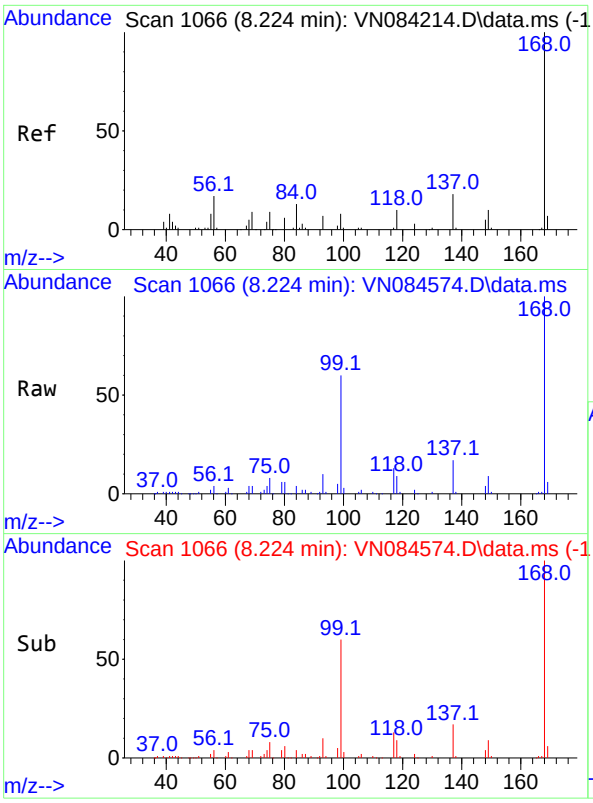
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



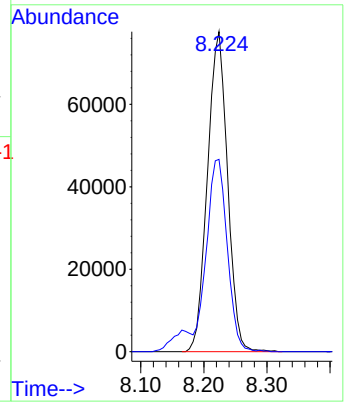


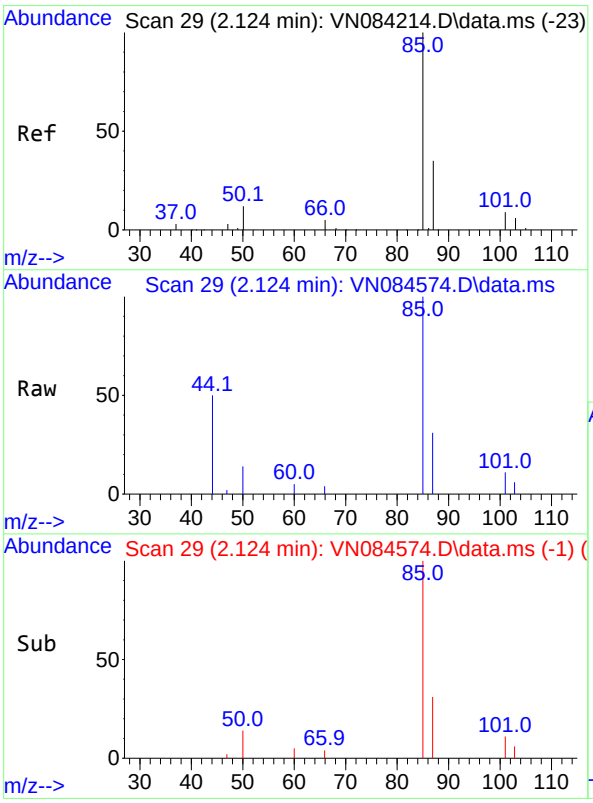
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 171598

Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2

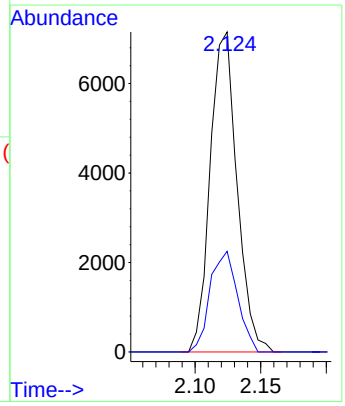


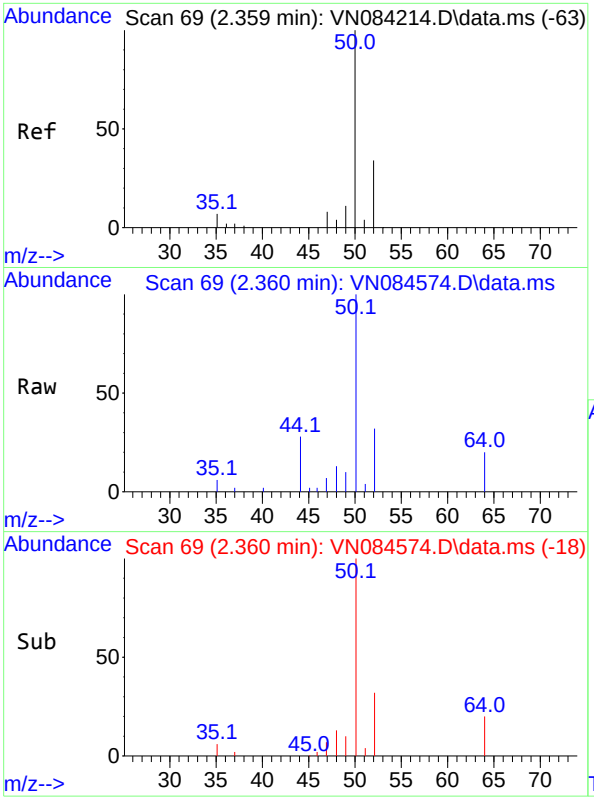


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9



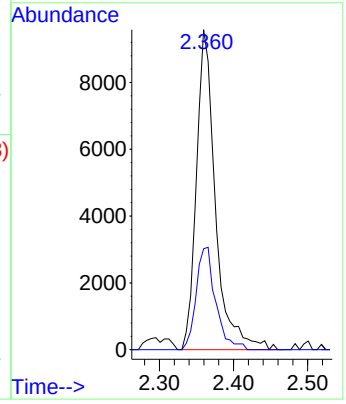


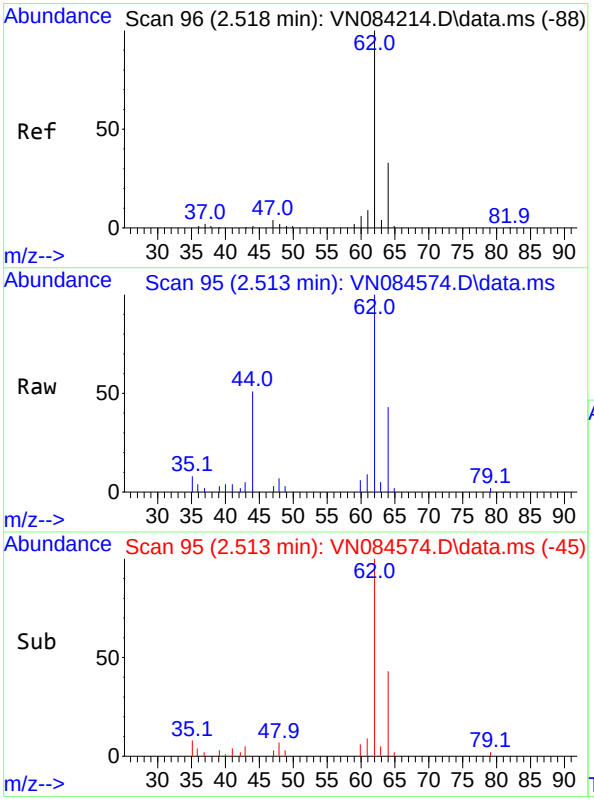
#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 17076

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2

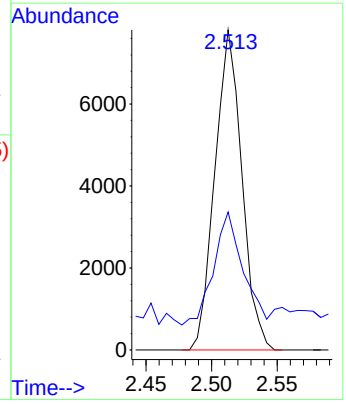


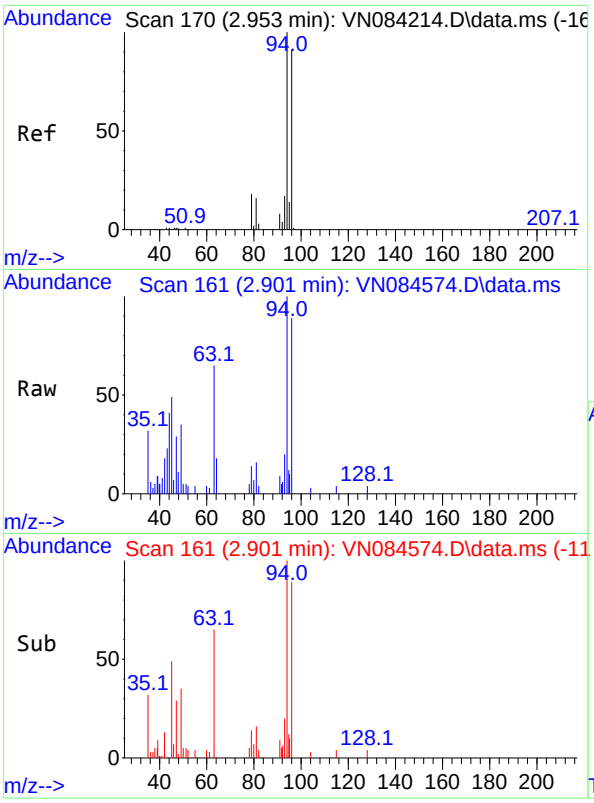


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4



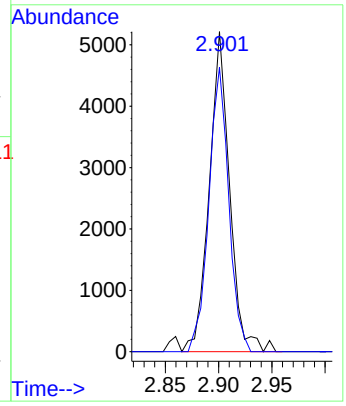


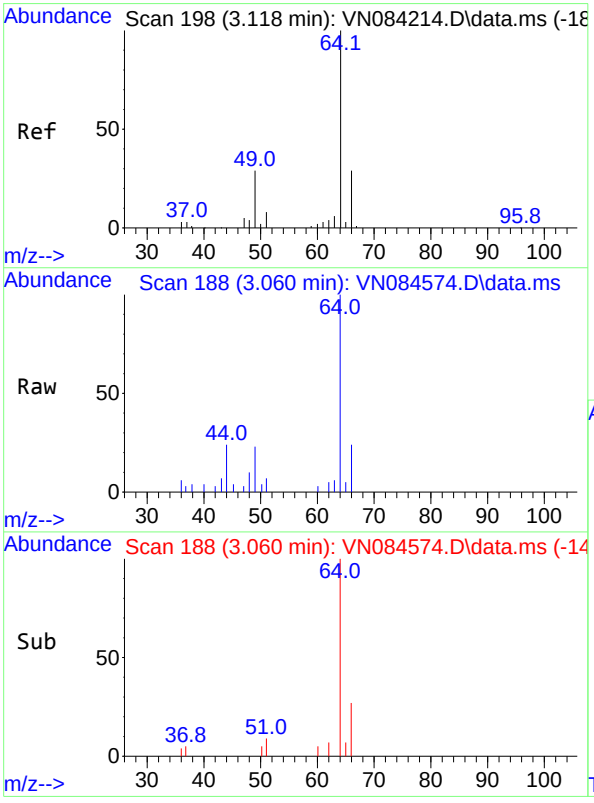
#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6944

Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3

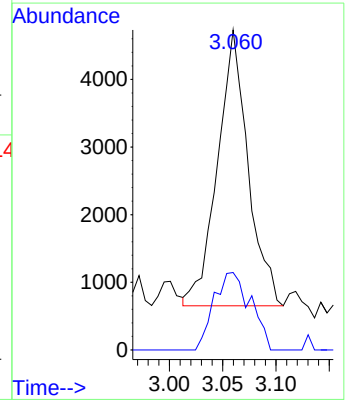


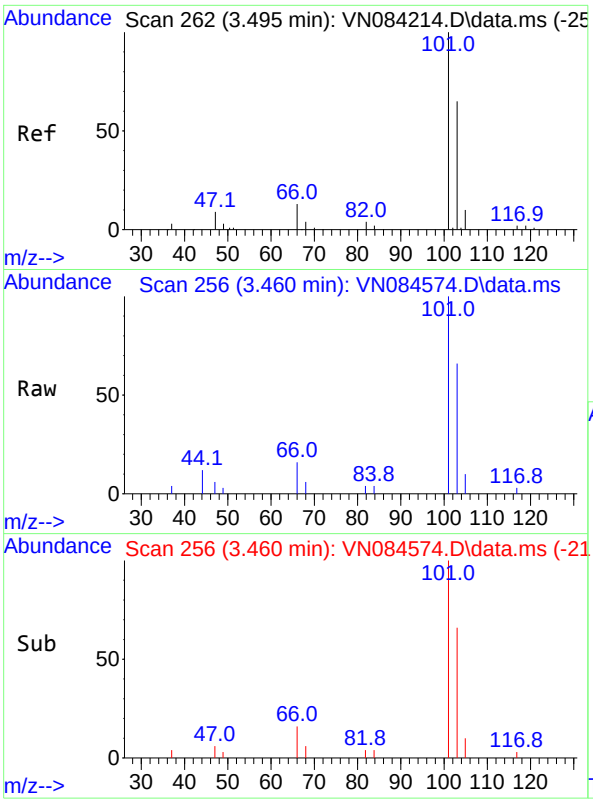


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3



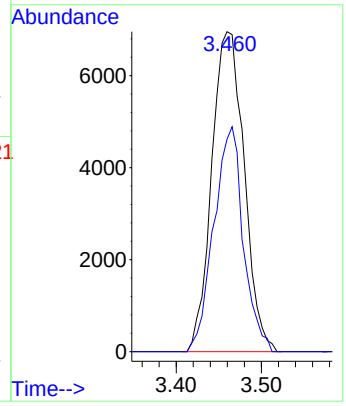


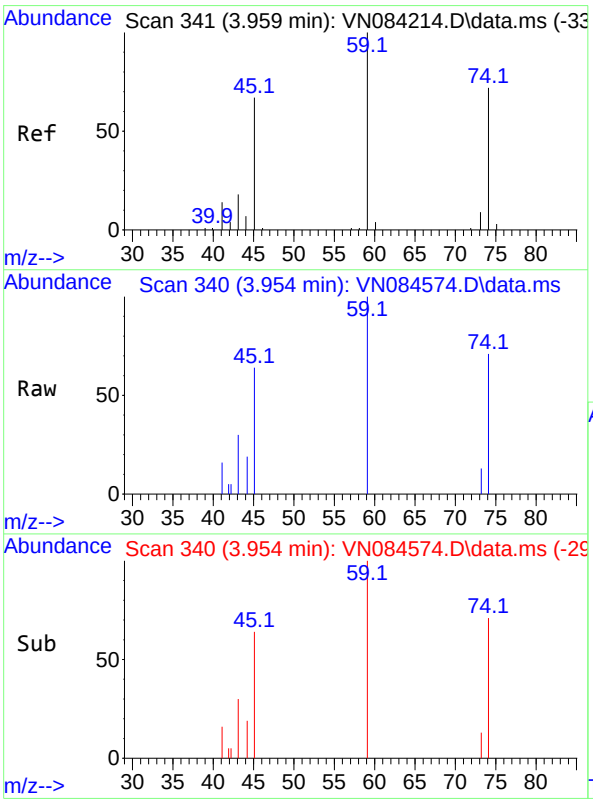
#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 2
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 18362

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6

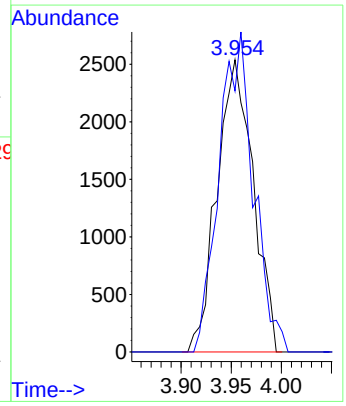


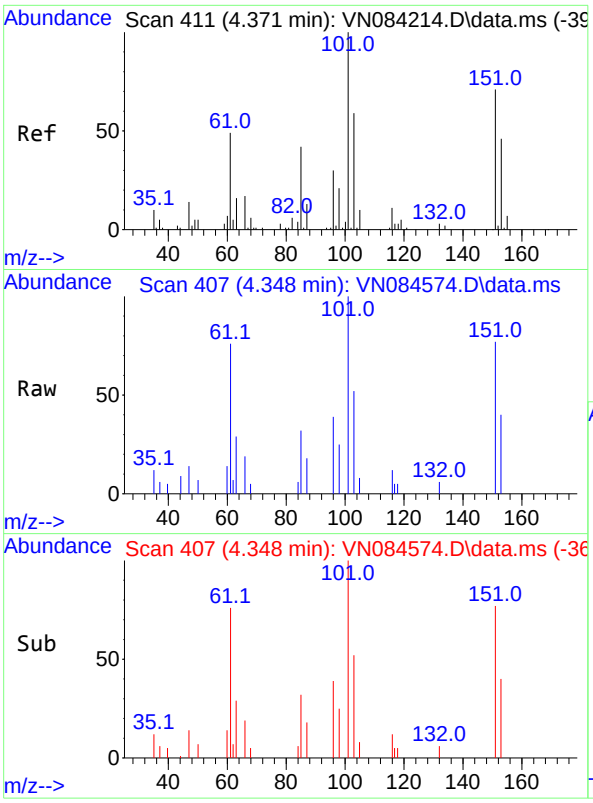


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1



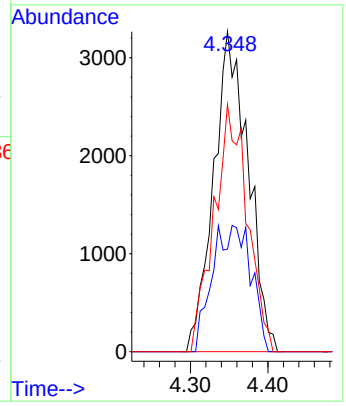


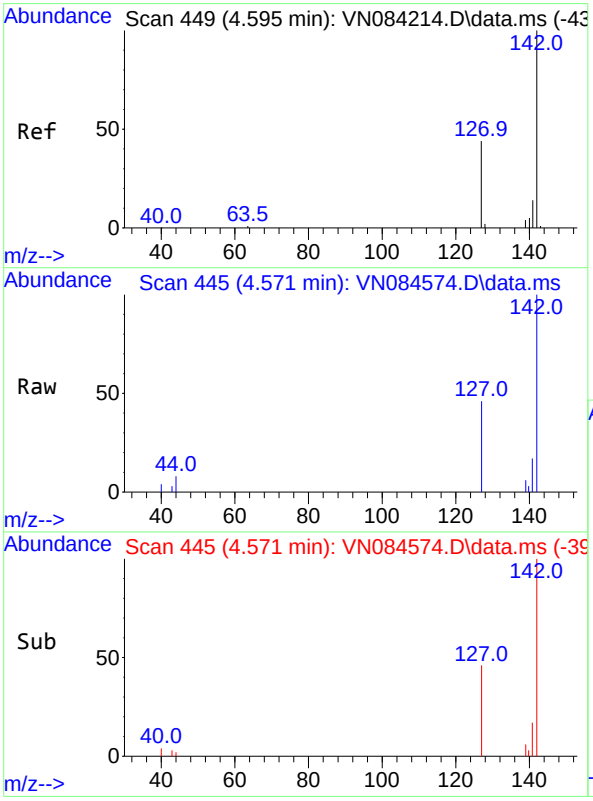
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10090

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.7	59.3	88.9

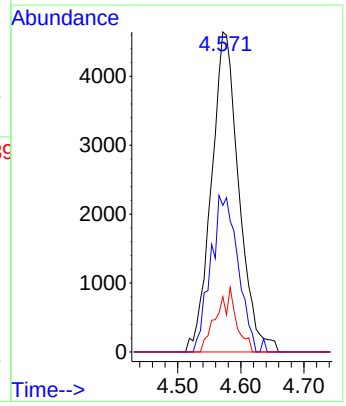


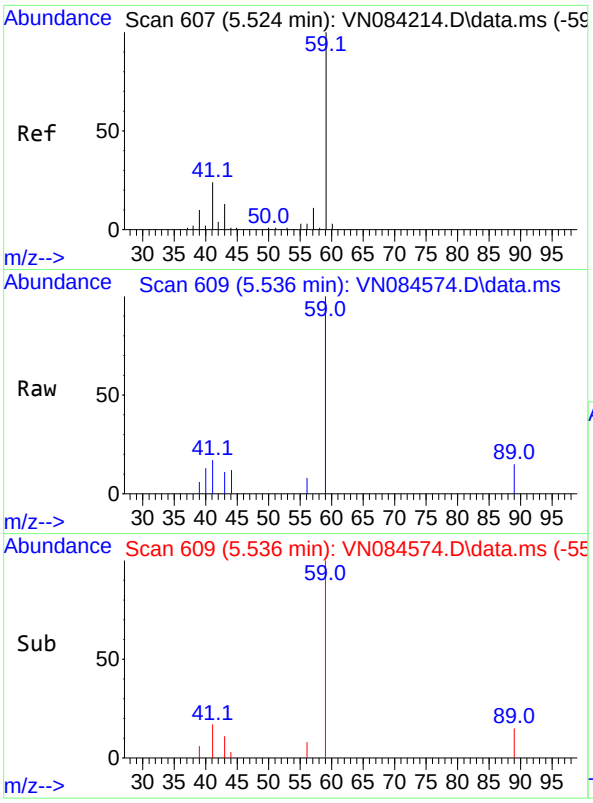


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:142 Resp: 14021

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.3	52.9
141	17.3	11.0	16.6#



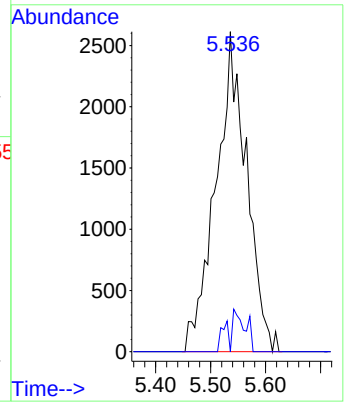


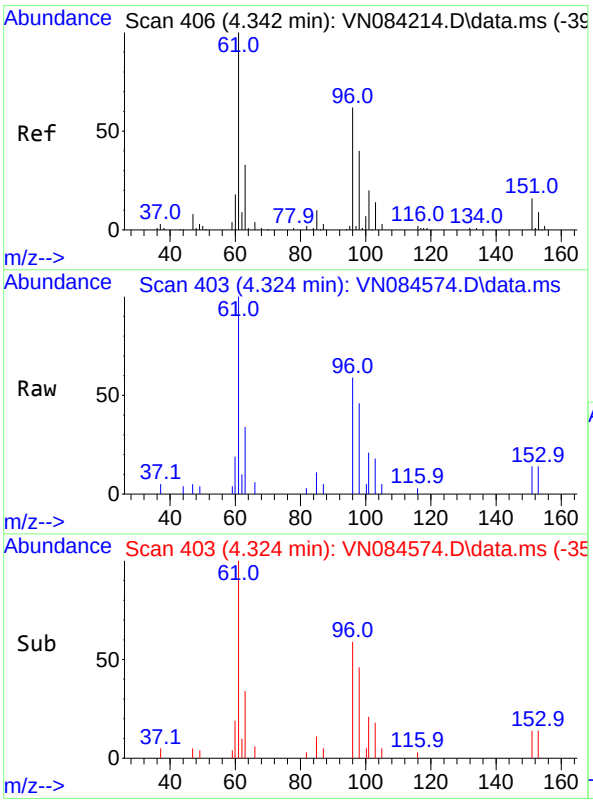
#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10153

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#

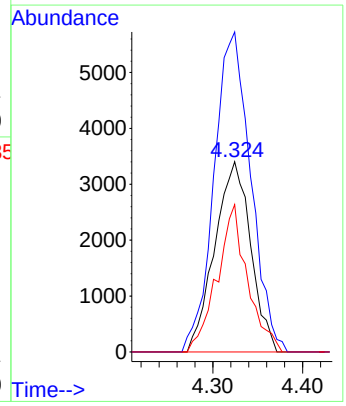


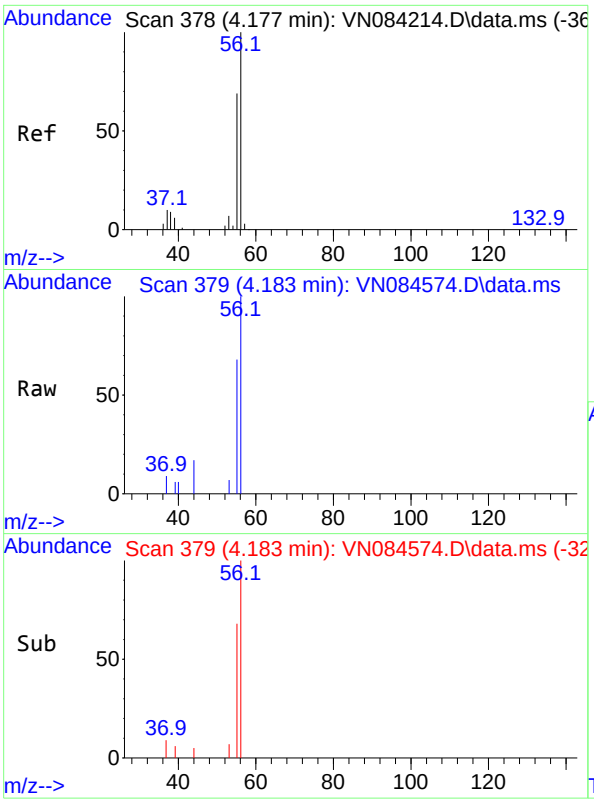


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 9474

Ion	Ratio	Lower	Upper
96	100		
61	168.2	128.6	192.8
98	77.5	51.7	77.5



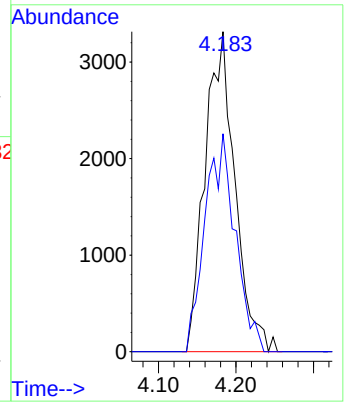


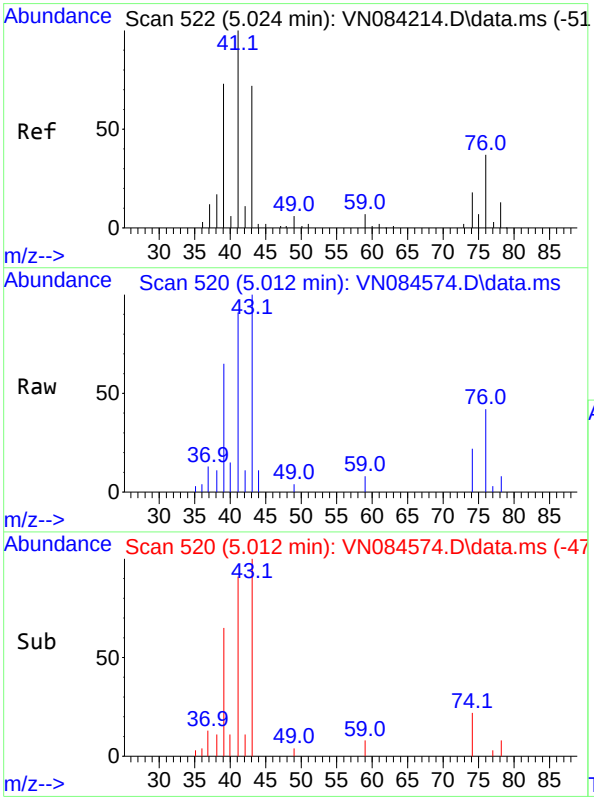
#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8890

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8

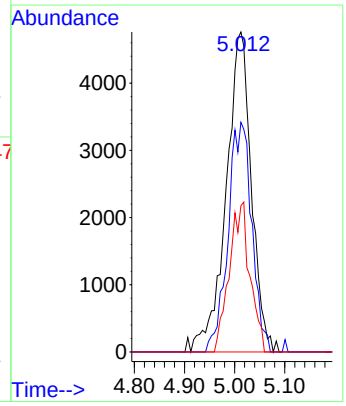


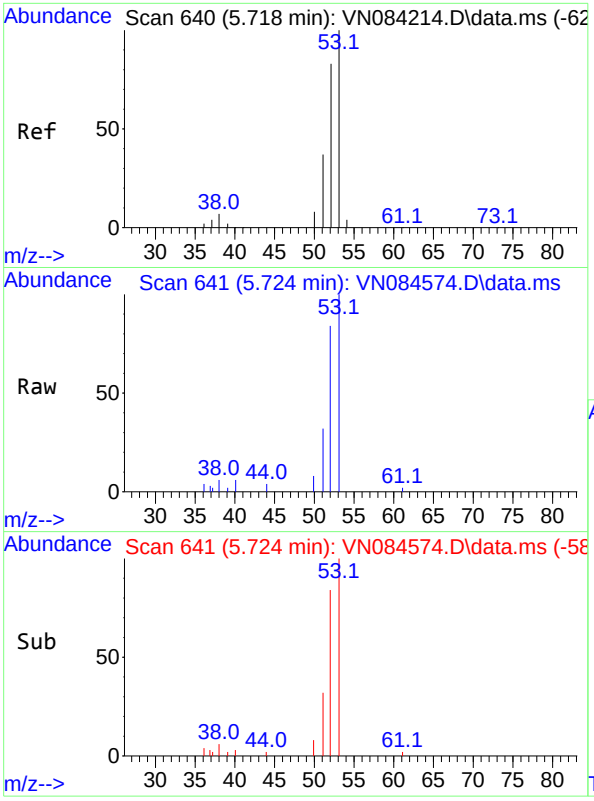


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 16771

Ion	Ratio	Lower	Upper
41	100		
39	67.1	59.0	88.6
76	38.0	29.8	44.6



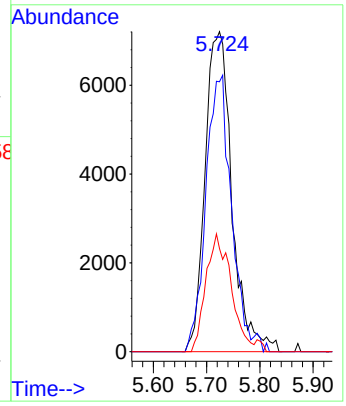


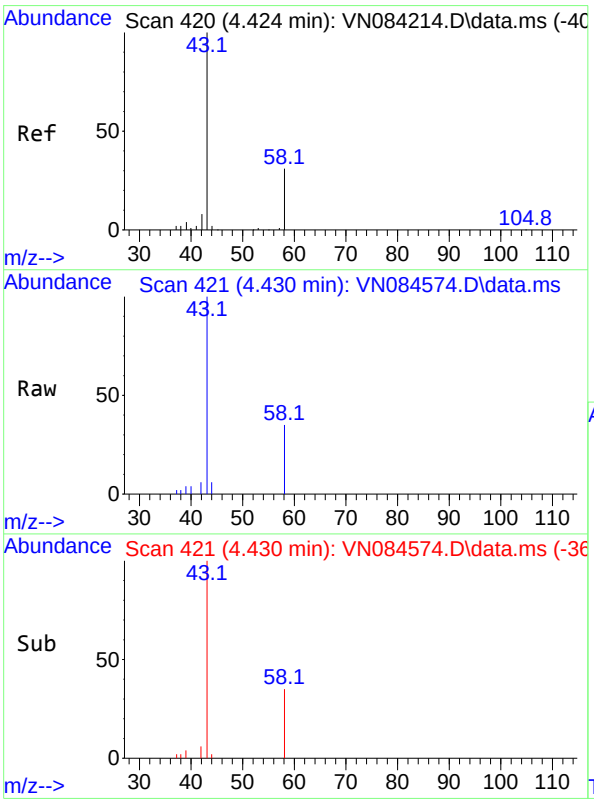
#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 25212

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	34.6	28.8	43.2

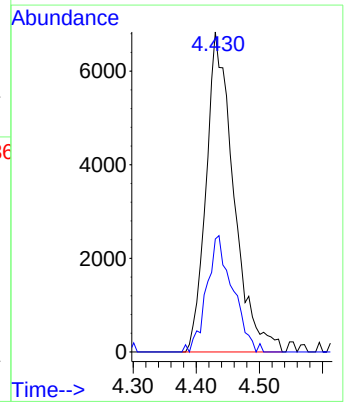


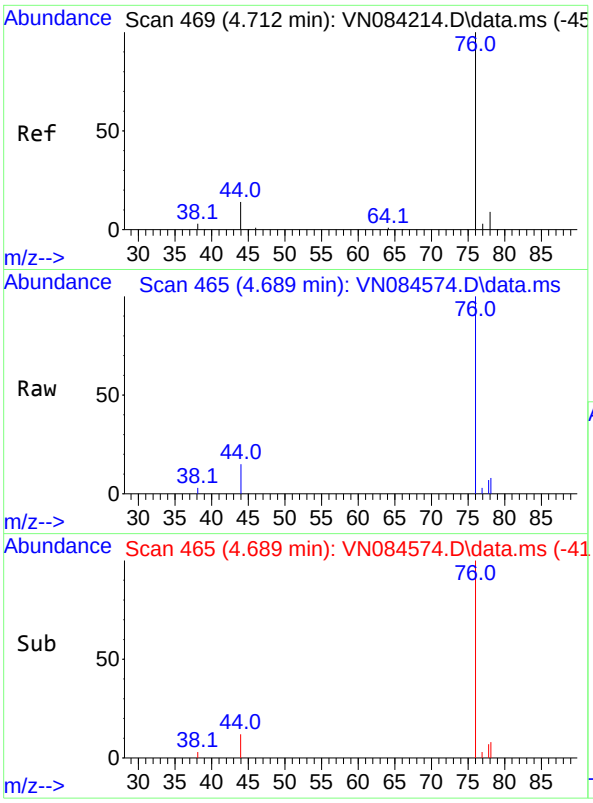


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 20706

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.4	36.6



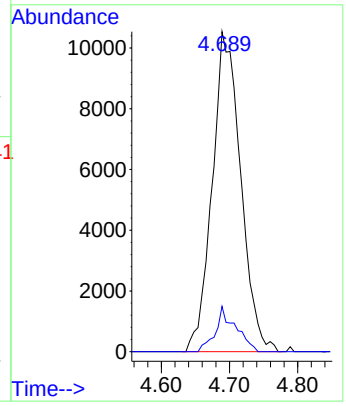


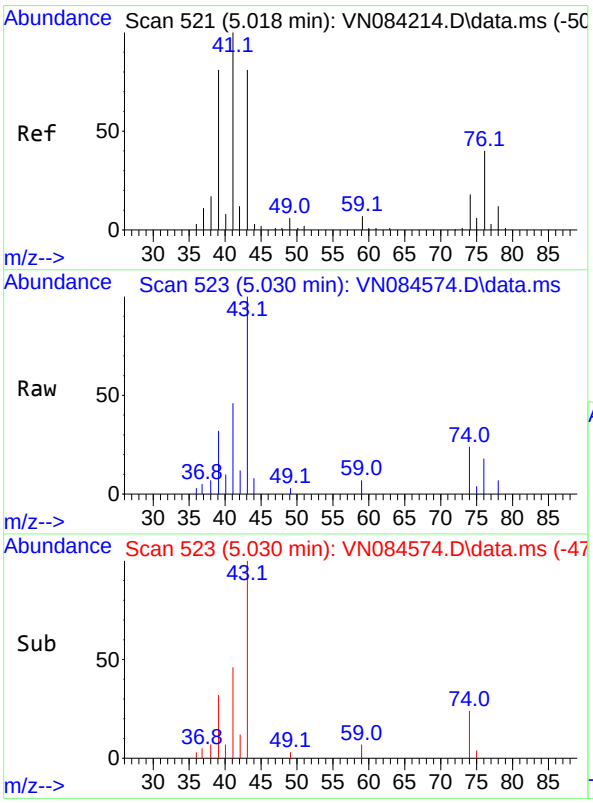
#17
Carbon Disulfide
Concen: 5.087 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30614

Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

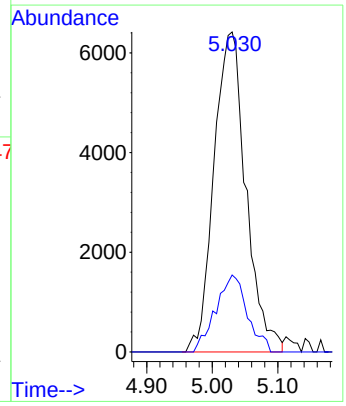


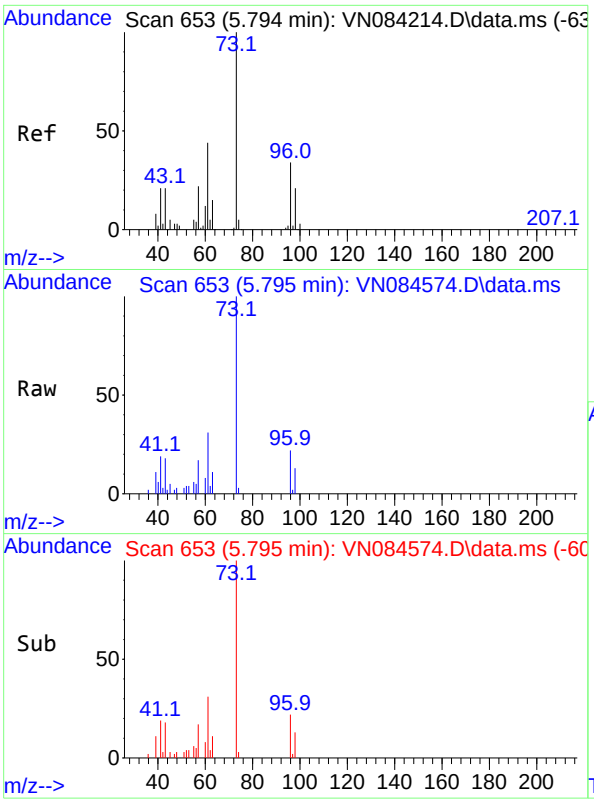


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8



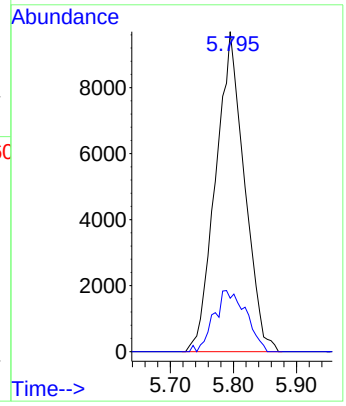


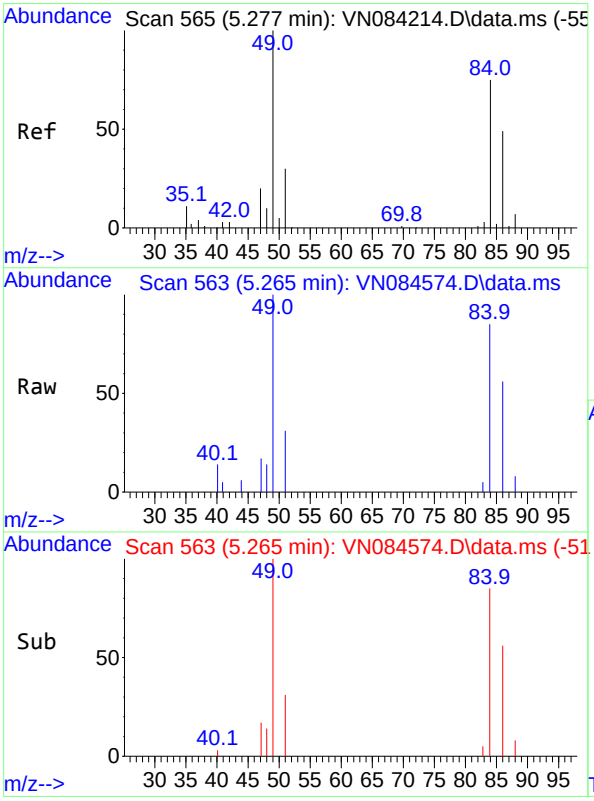
#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30655

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#

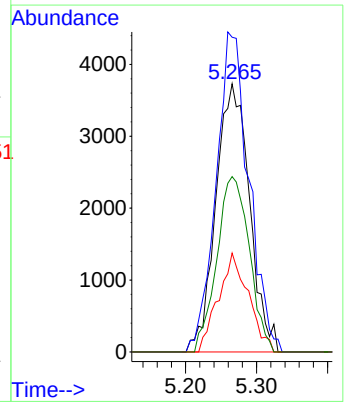


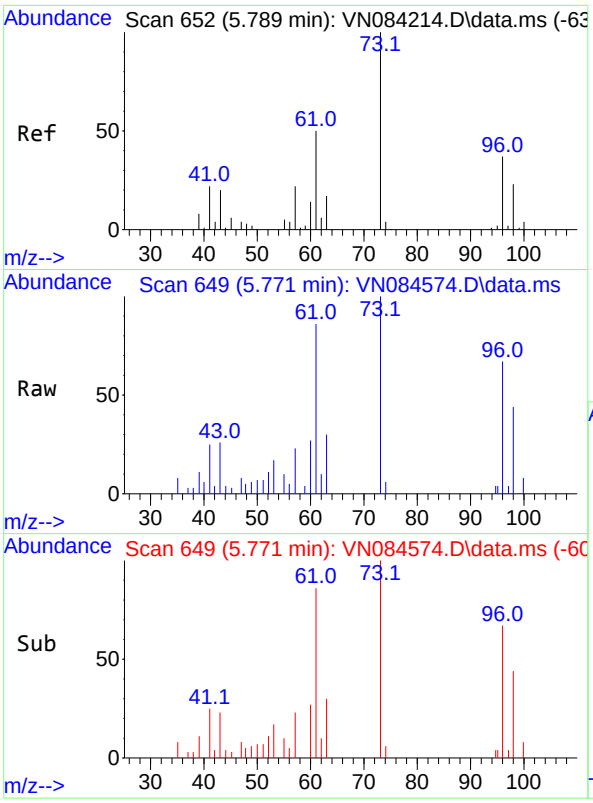


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 84 Resp: 12258

Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.2	160.8
51	36.9	31.8	47.8
86	65.4	52.9	79.3



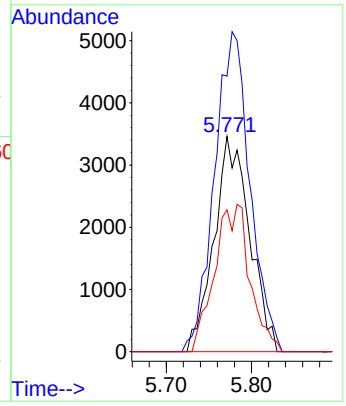


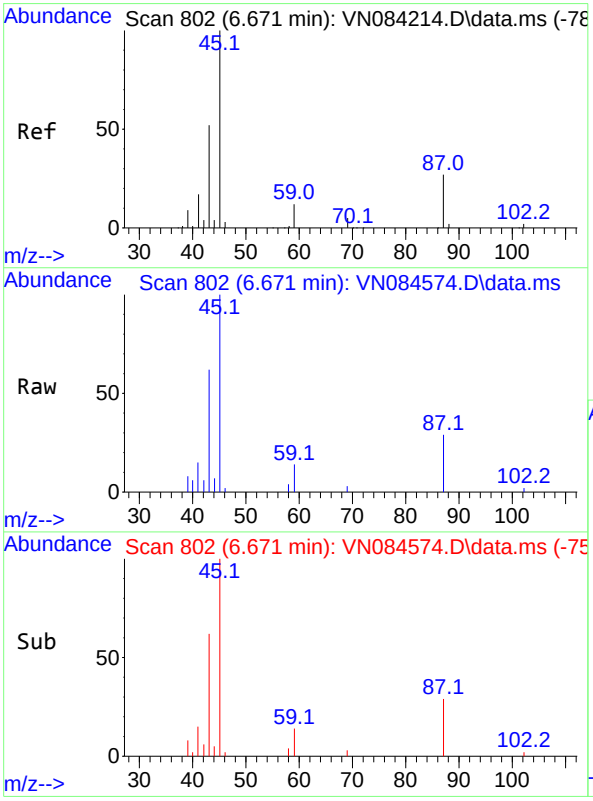
#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10024

Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.4	162.6
98	66.0	49.8	74.8

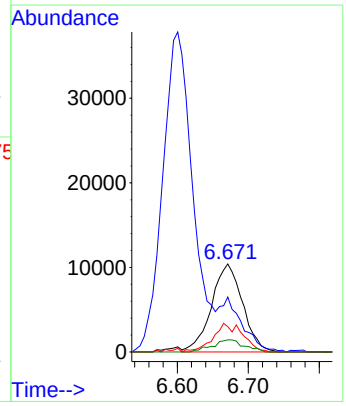


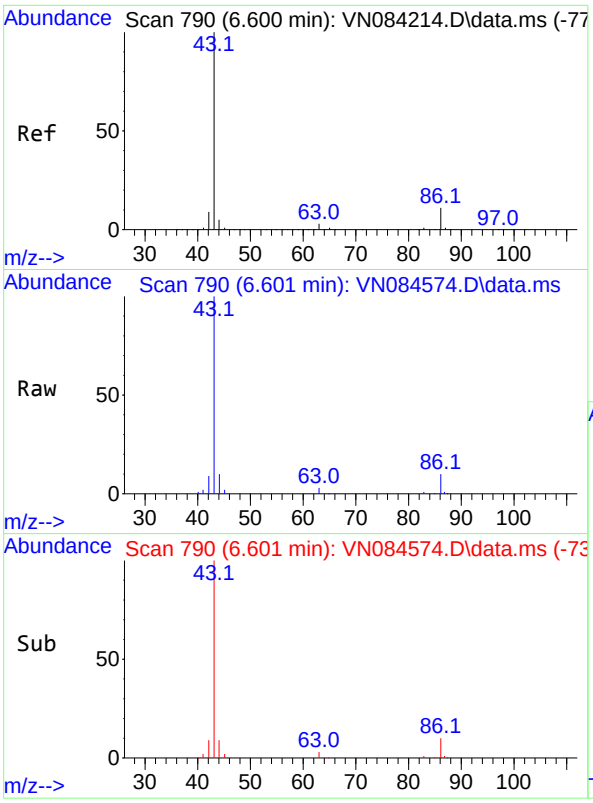


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 45 Resp: 31631

Ion	Ratio	Lower	Upper
45	100		
43	60.3	42.3	63.5
87	28.8	21.8	32.6
59	13.8	9.6	14.4



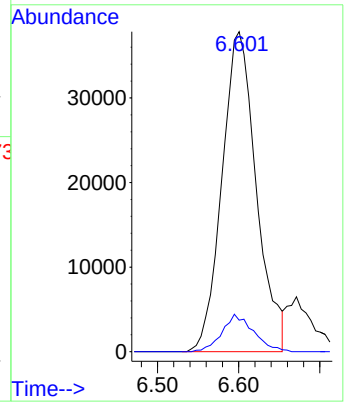


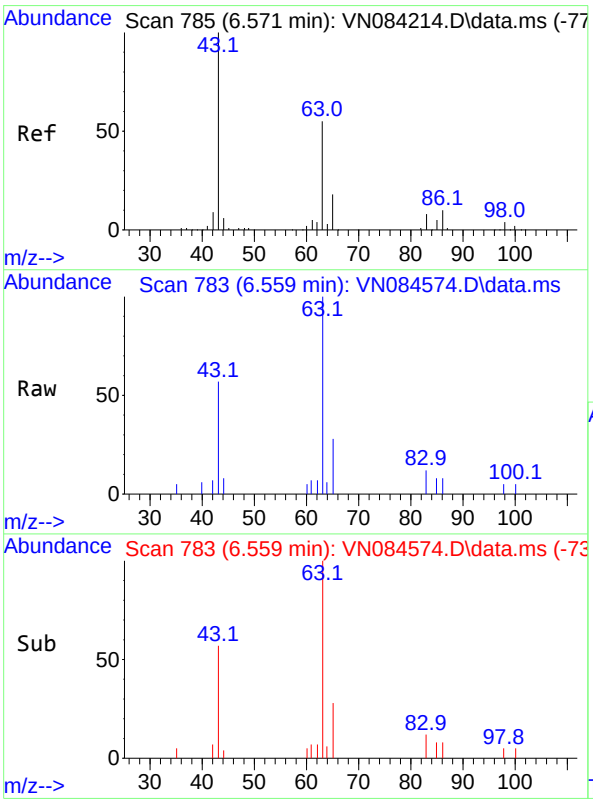
#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 111267

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

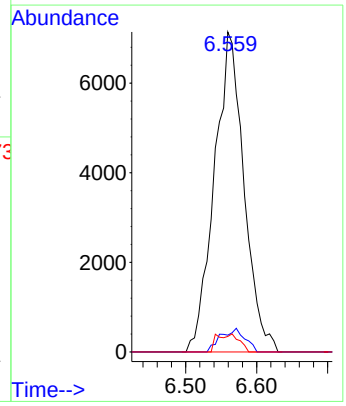


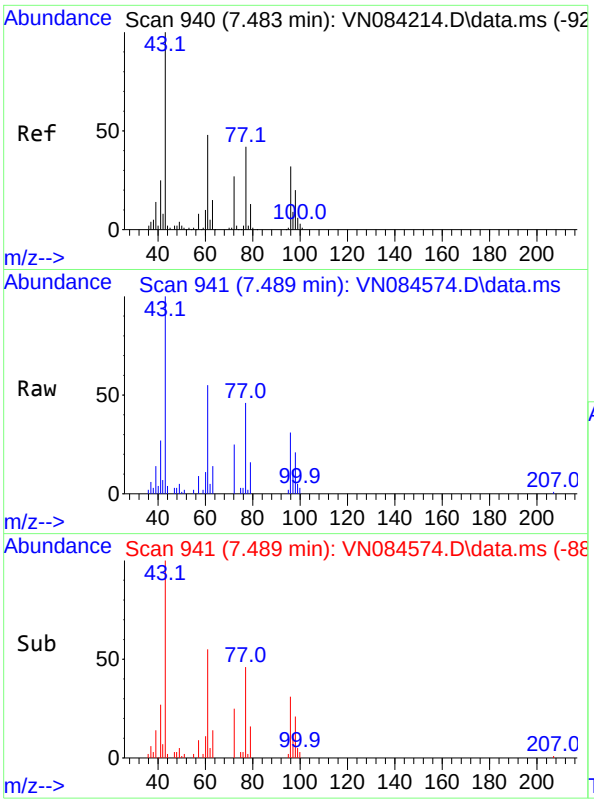


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 20644

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.2
100	4.9	2.0	5.8



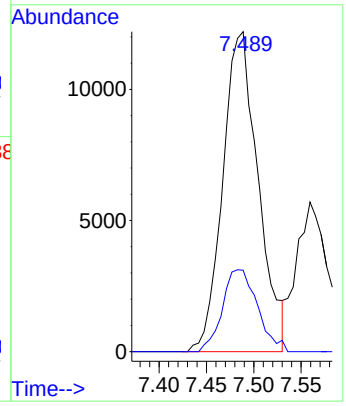


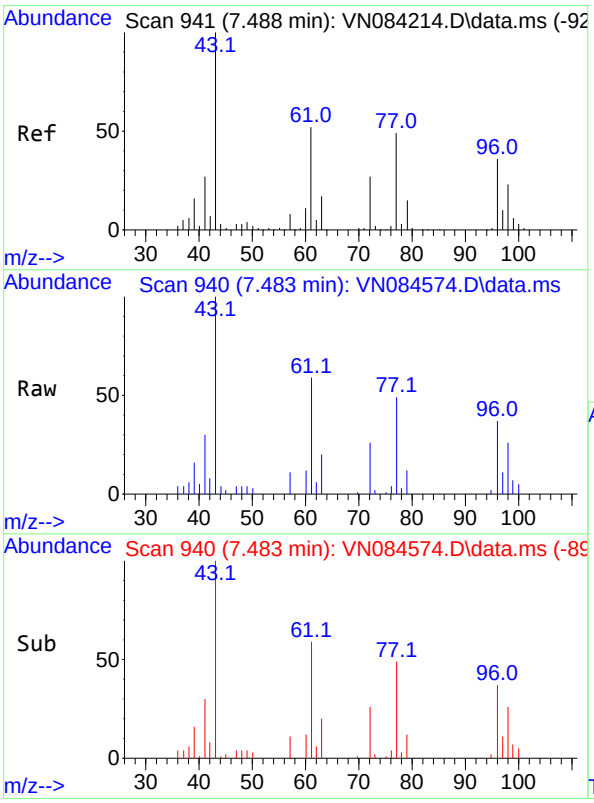
#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31742

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2

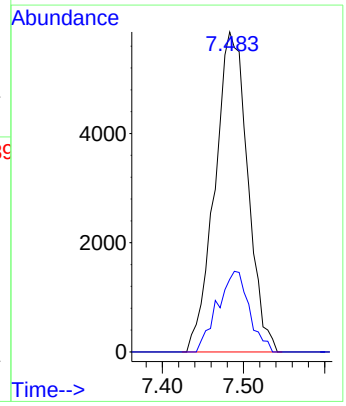


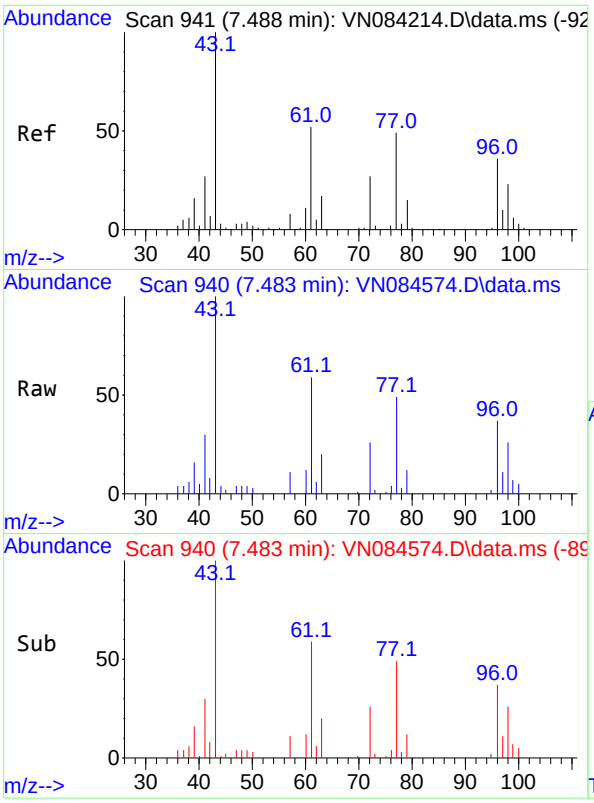


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3



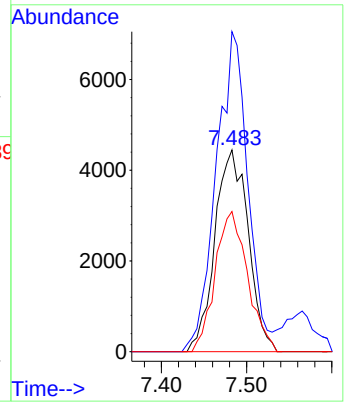


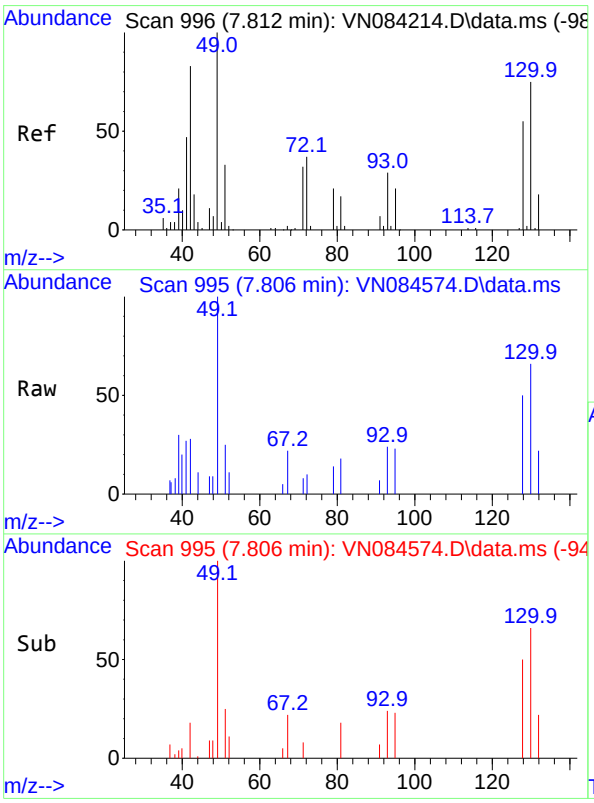
#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 12105

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	301.8
98	67.6	0.0	128.2

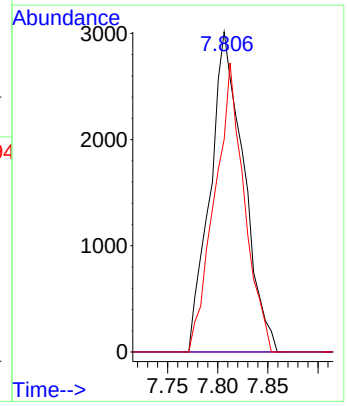


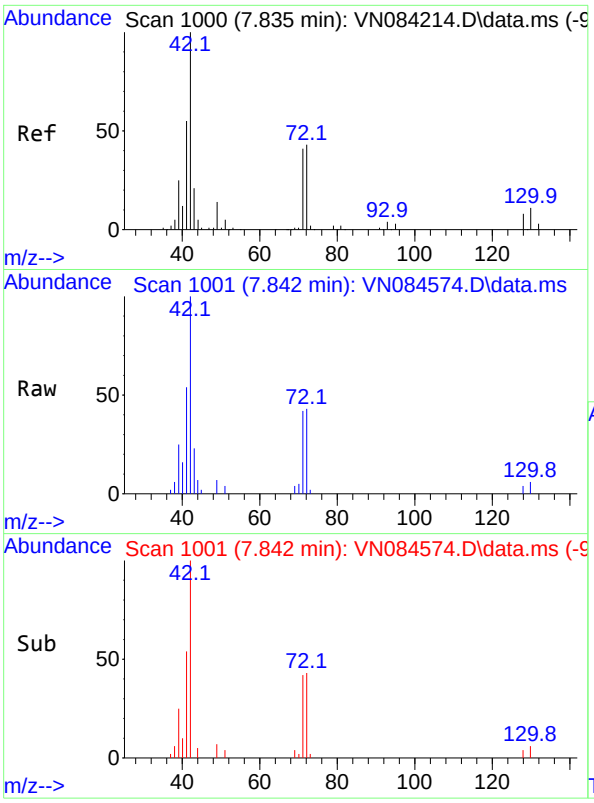


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 49 Resp: 7002

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	79.7	58.0	87.0



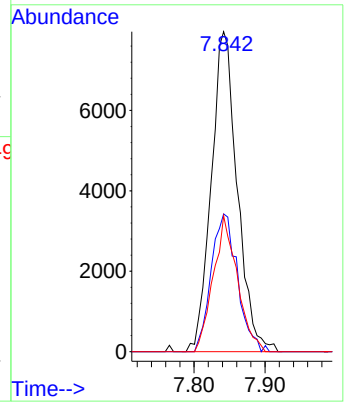


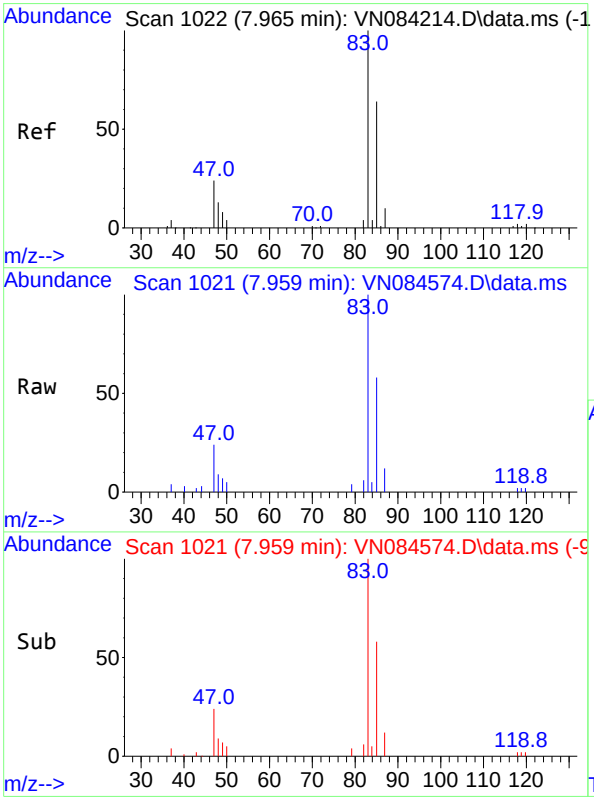
#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 20240

Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	39.3	32.2	48.4

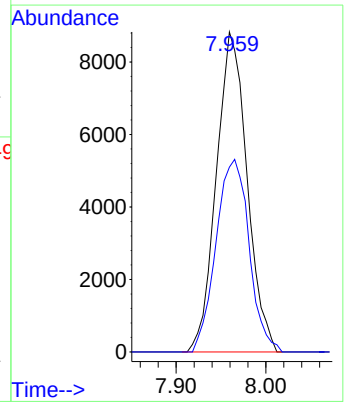


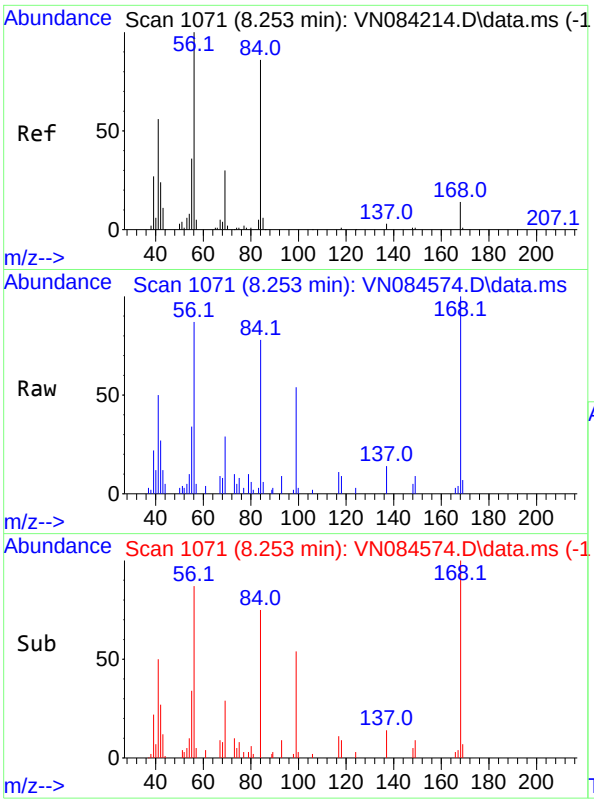


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4



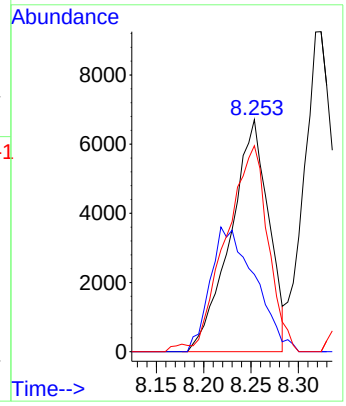


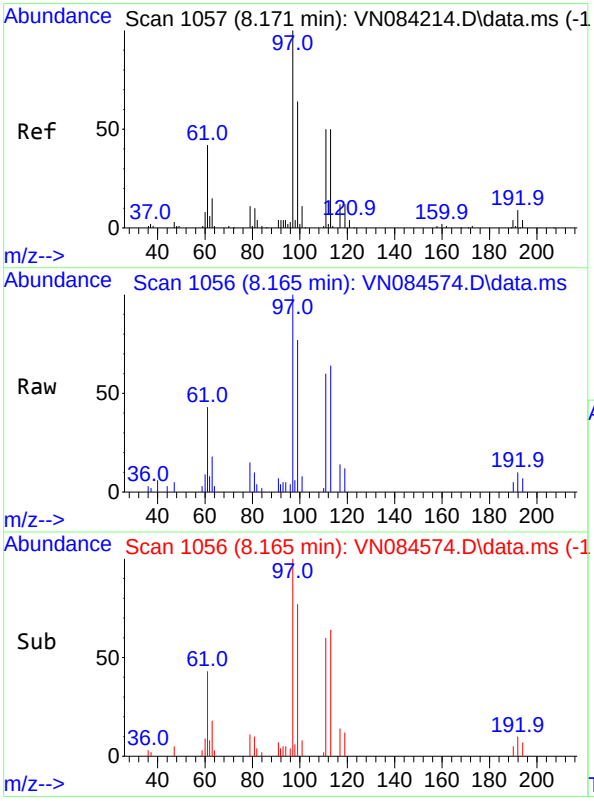
#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 18750

Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.8	35.6
84	85.6	68.8	103.2

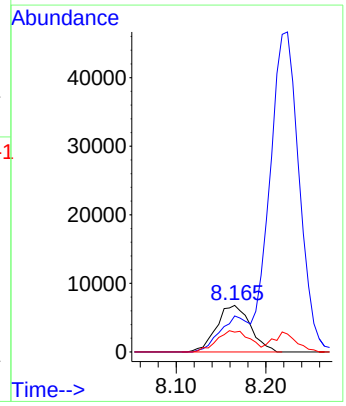


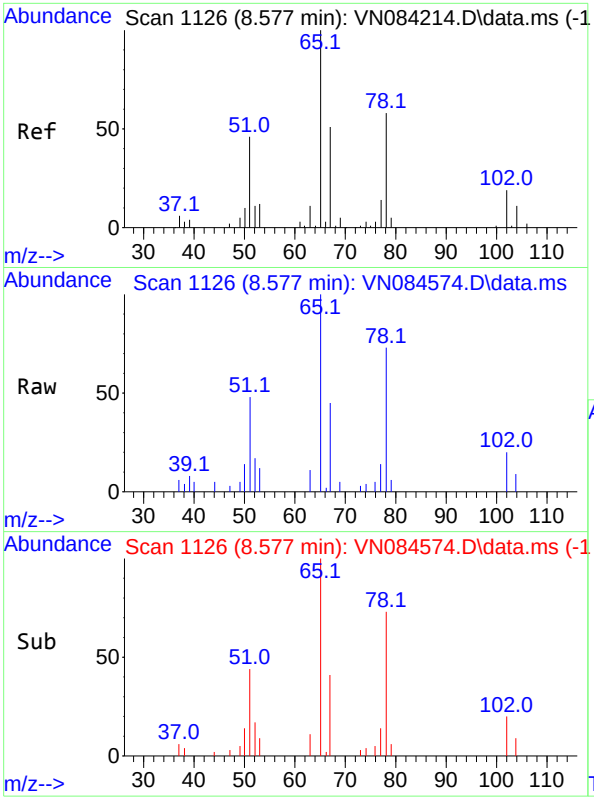


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 17717

Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	44.8	37.5	56.3



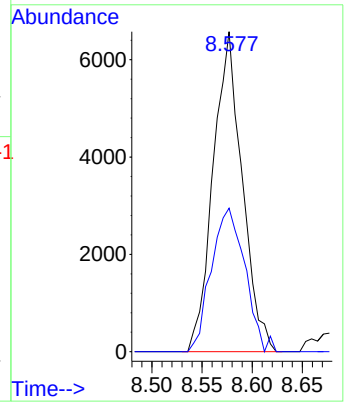


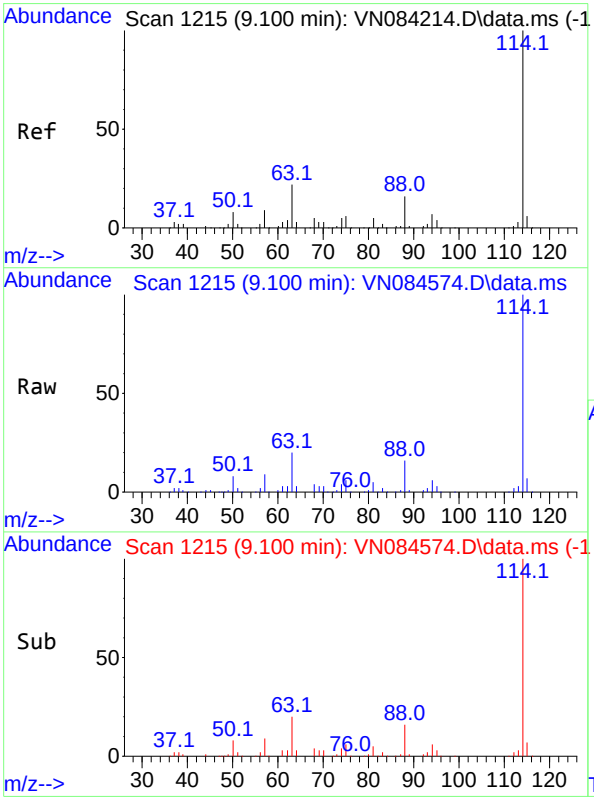
#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13227

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

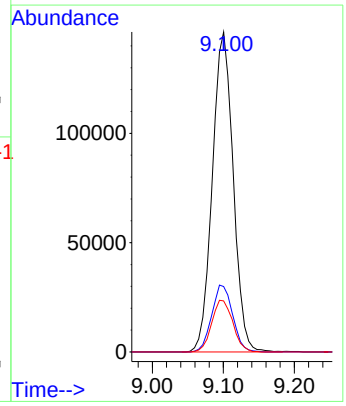


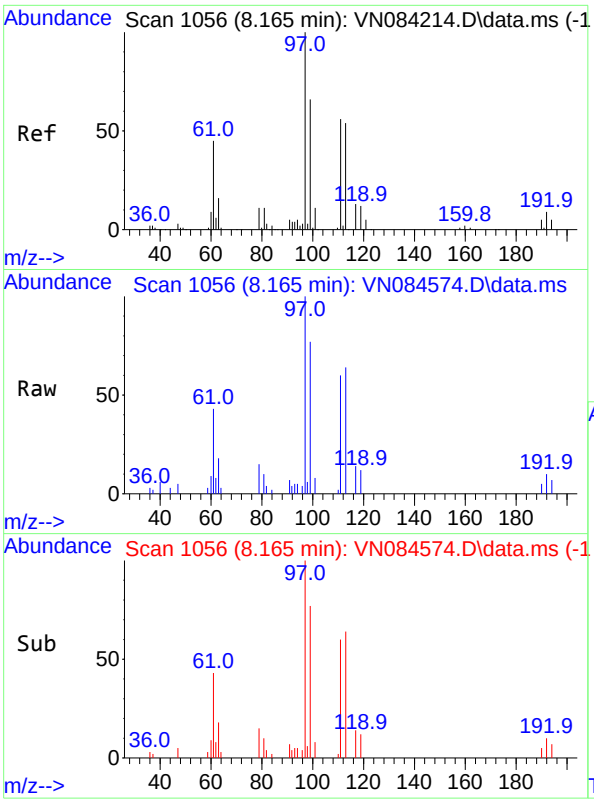


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:114 Resp: 297777

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	15.9	0.0	31.6



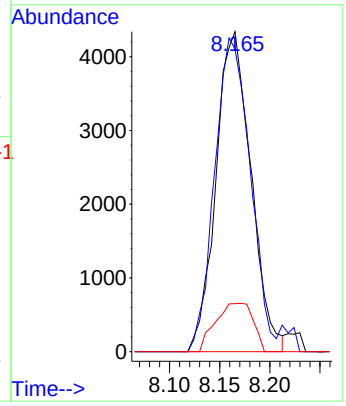


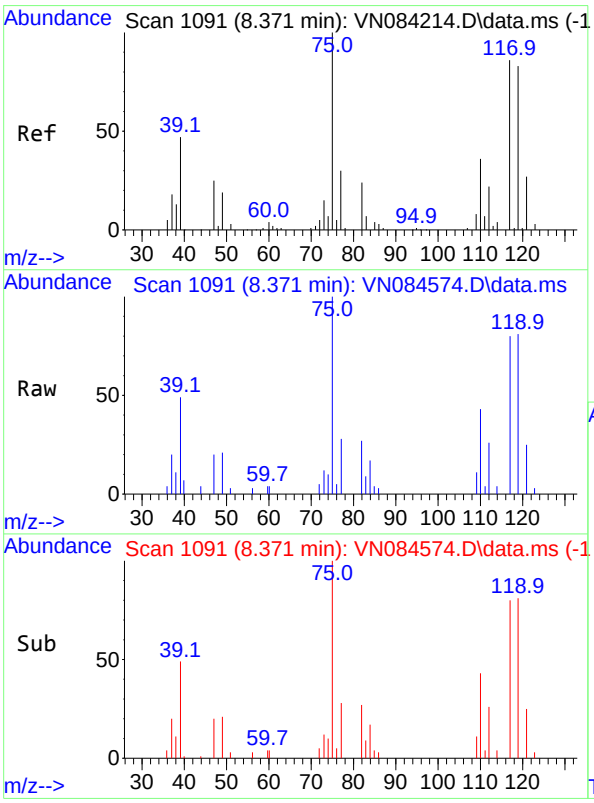
#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 10512

Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.3	124.9
192	16.2	13.5	20.3

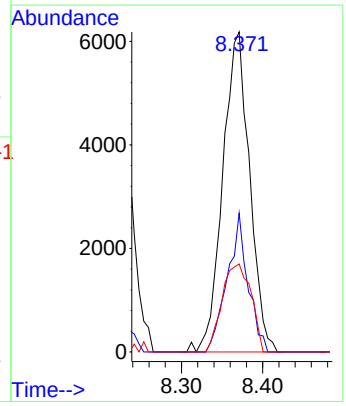


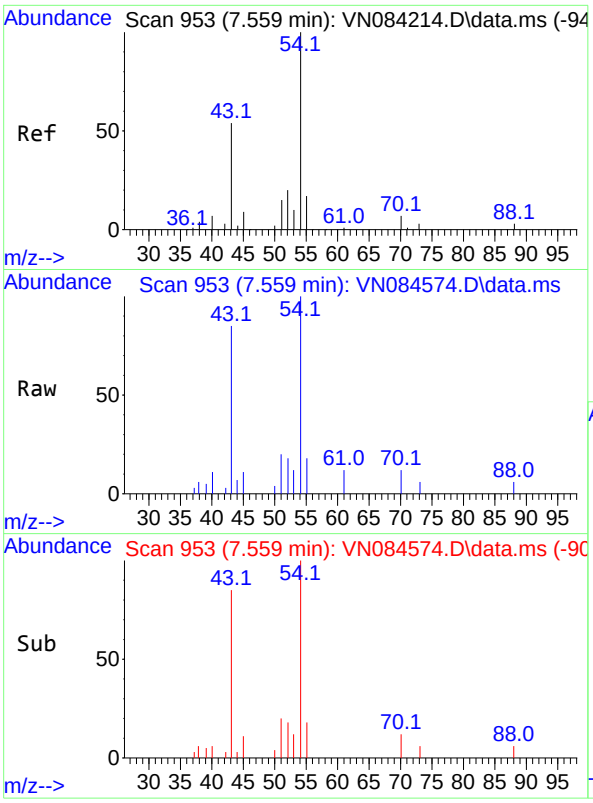


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 14193

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.7
77	29.6	24.7	37.1



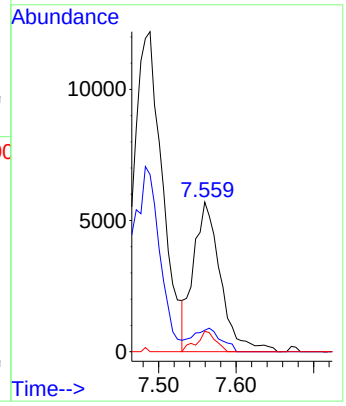


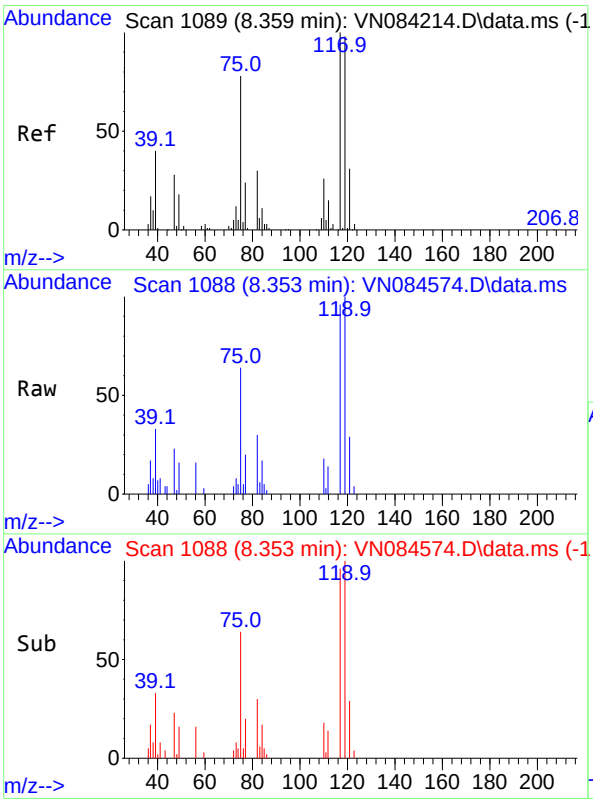
#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13884

Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.7	16.1#
70	9.5	8.8	13.2

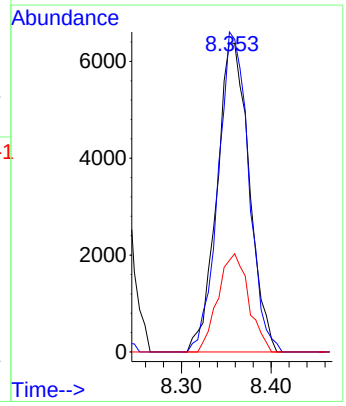


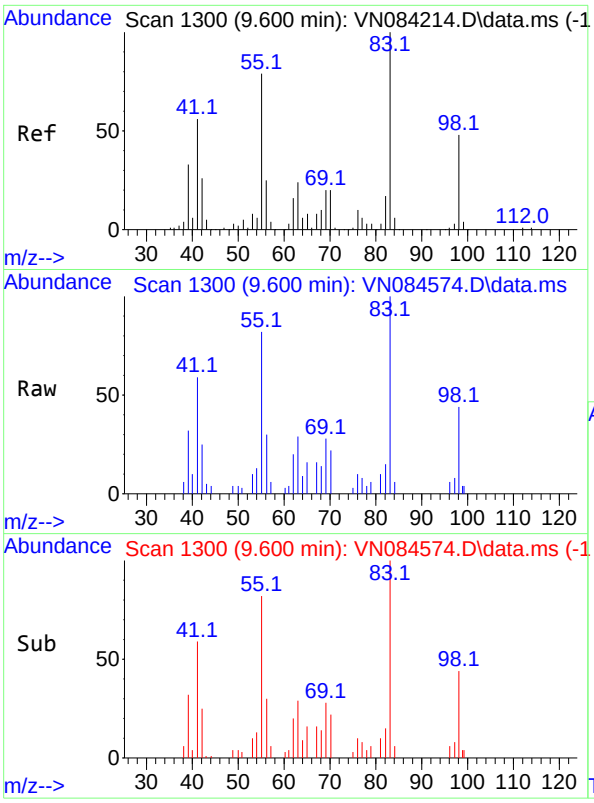


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 15977

Ion	Ratio	Lower	Upper
117	100		
119	103.6	78.7	118.1
121	29.6	24.4	36.6



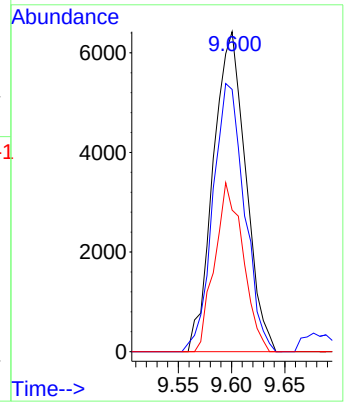


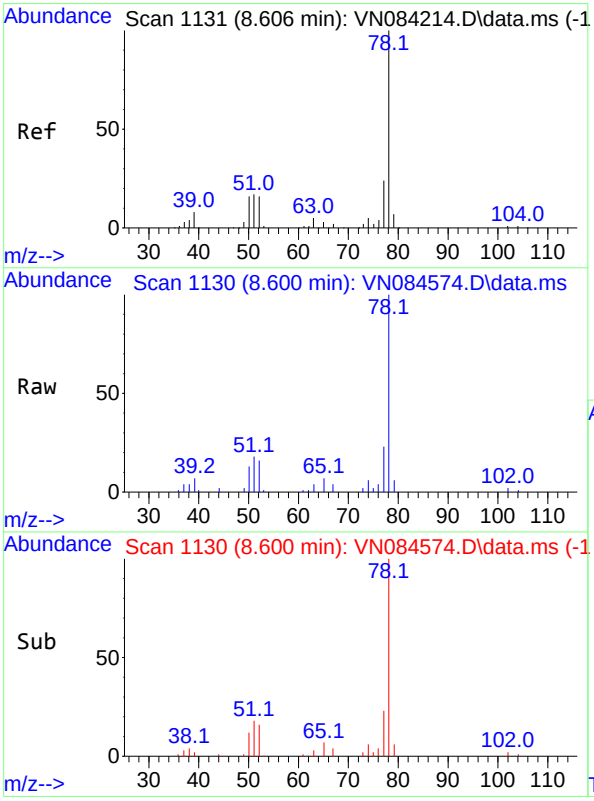
#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13624

Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	44.2	38.8	58.2

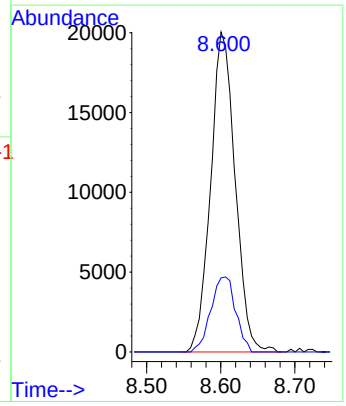


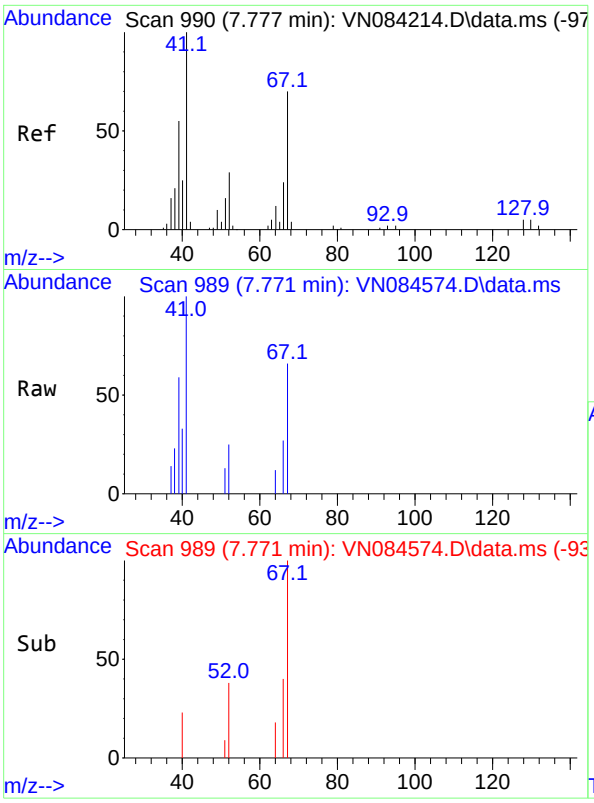


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



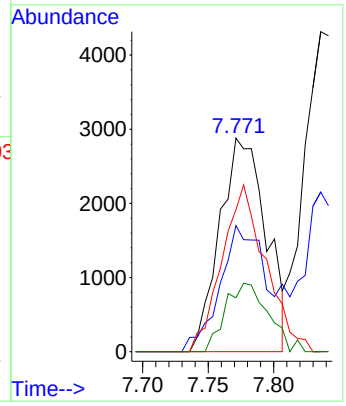


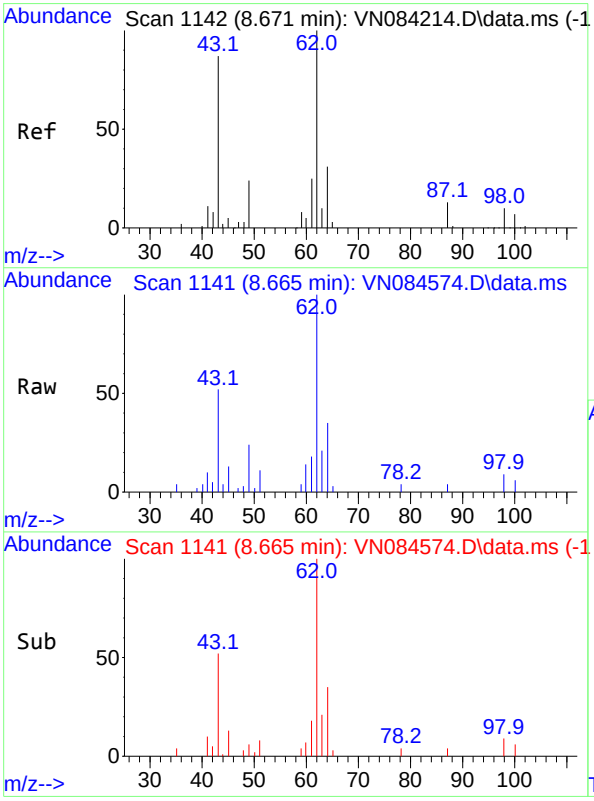
#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7091

Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.5	56.1	84.1
52	29.7	24.5	36.7

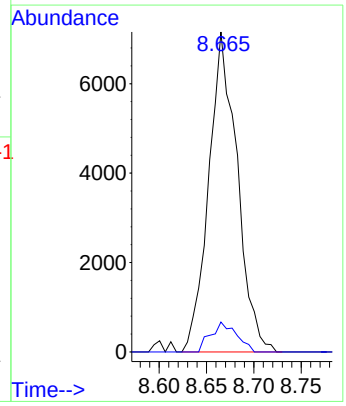


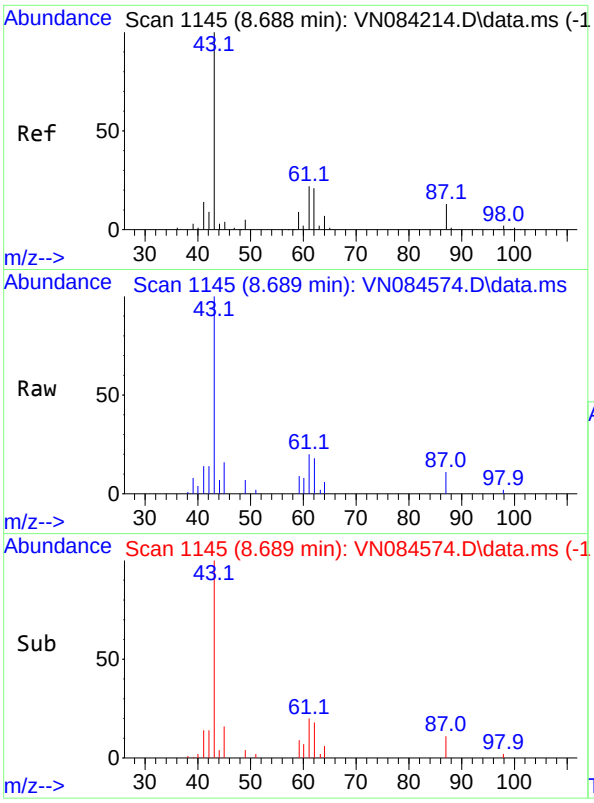


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 14972

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



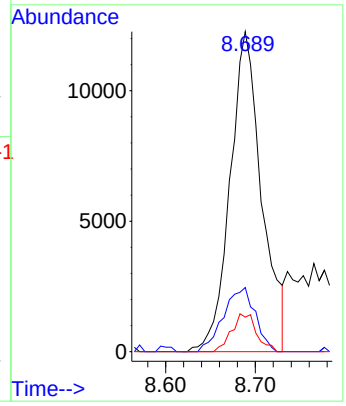


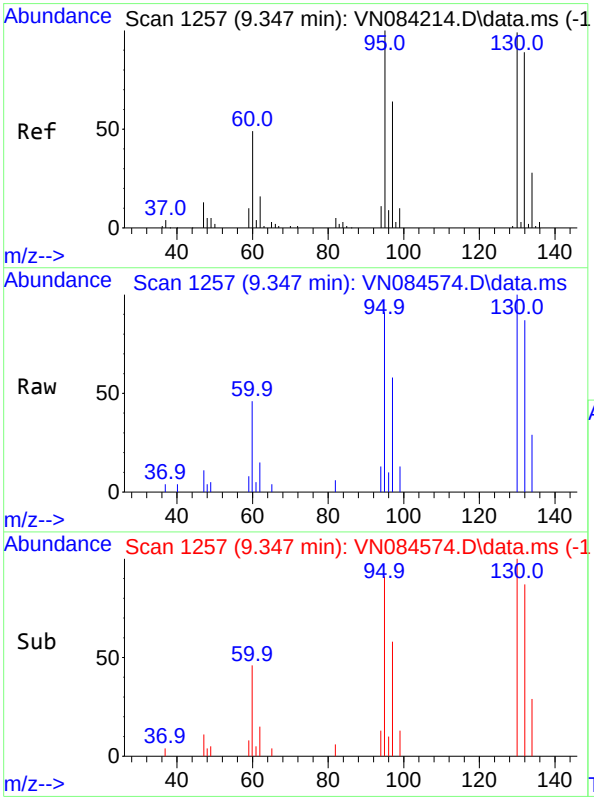
#43
Isopropyl Acetate
Concen: 5.554 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 30044

Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.4	30.6#
87	9.3	10.3	15.5#

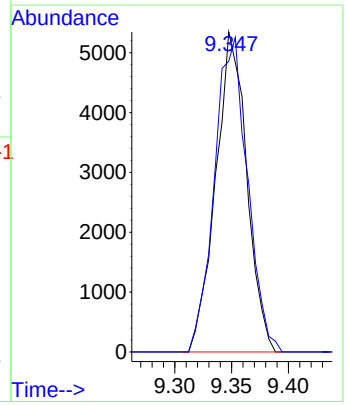


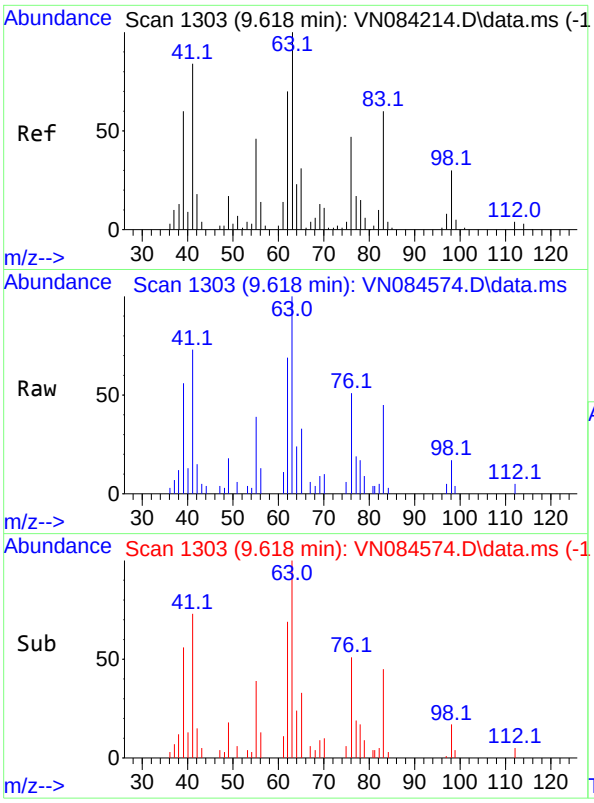


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0



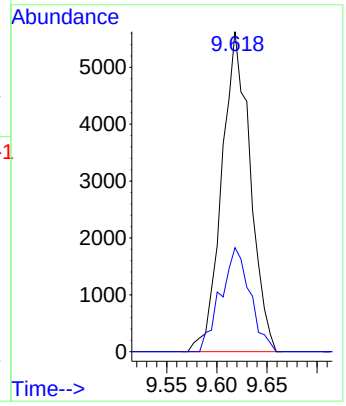


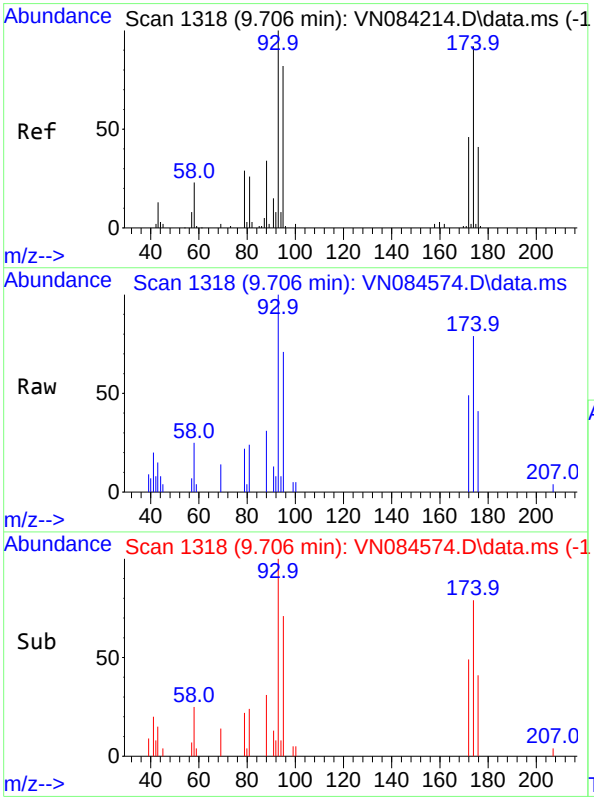
#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11095

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

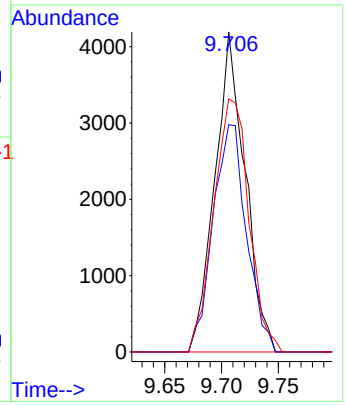


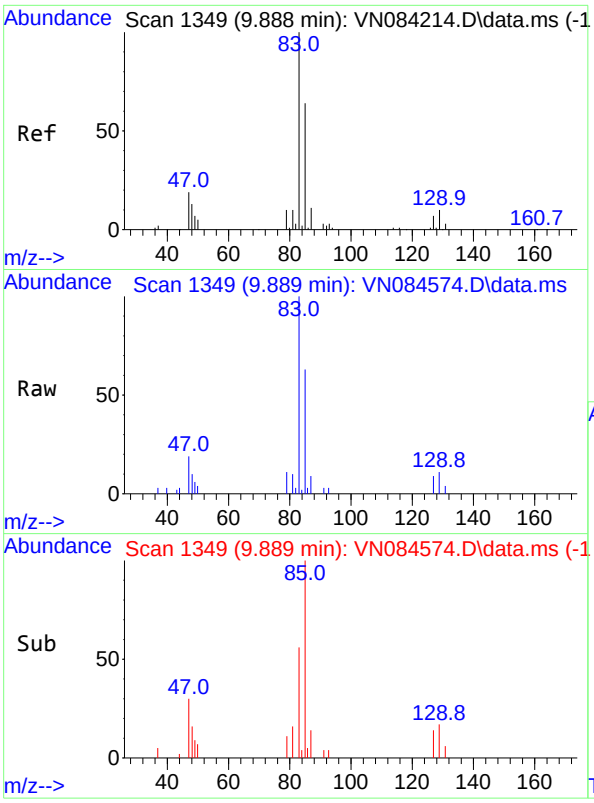


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 93 Resp: 7752

Ion	Ratio	Lower	Upper
93	100		
95	78.8	65.0	97.4
174	92.1	71.8	107.8



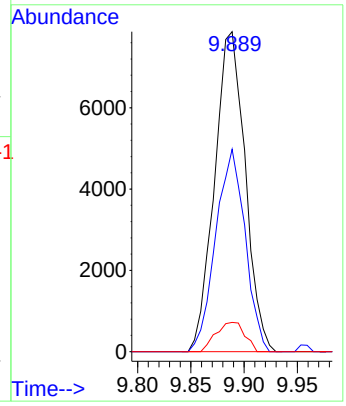


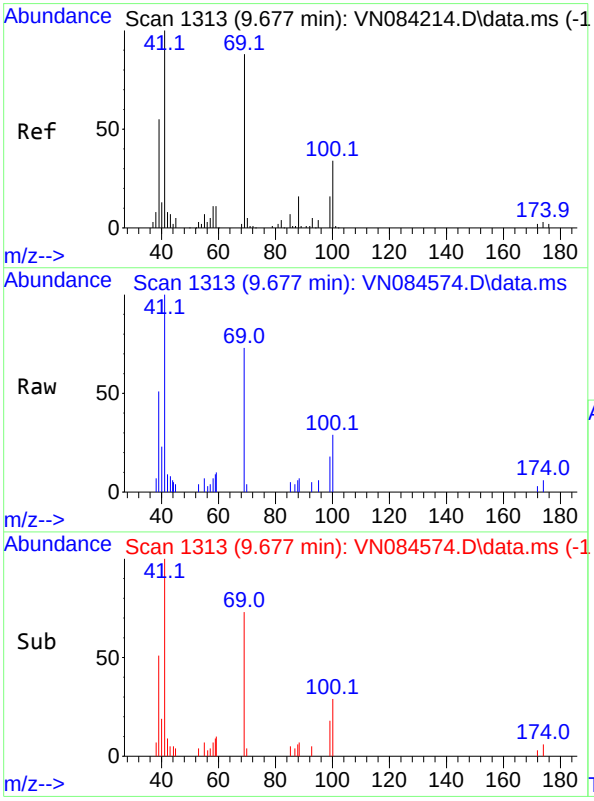
#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15749

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.2	5.7	8.5#

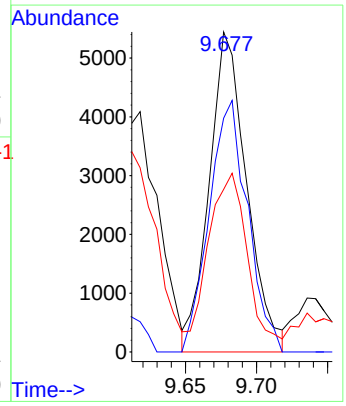


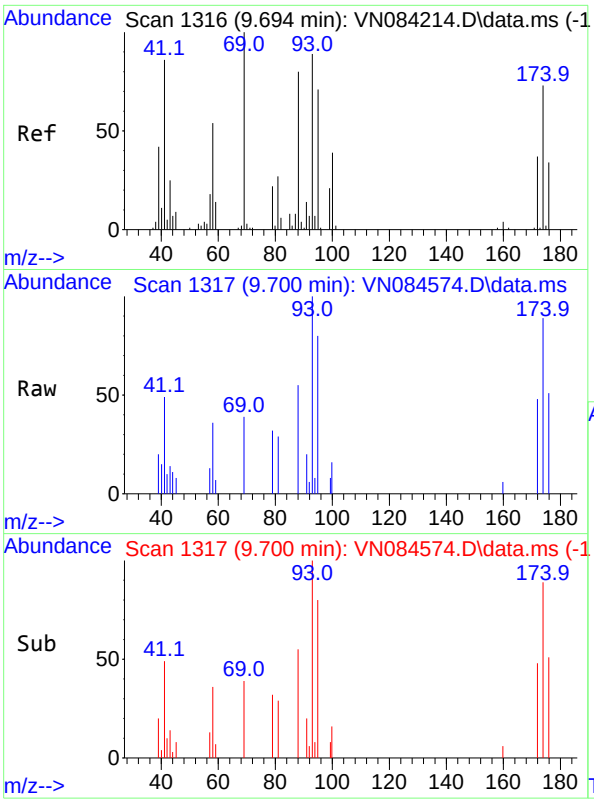


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 9971

Ion	Ratio	Lower	Upper
41	100		
69	80.8	67.1	100.7
39	59.6	45.8	68.6



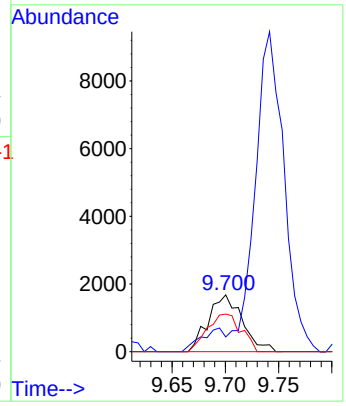


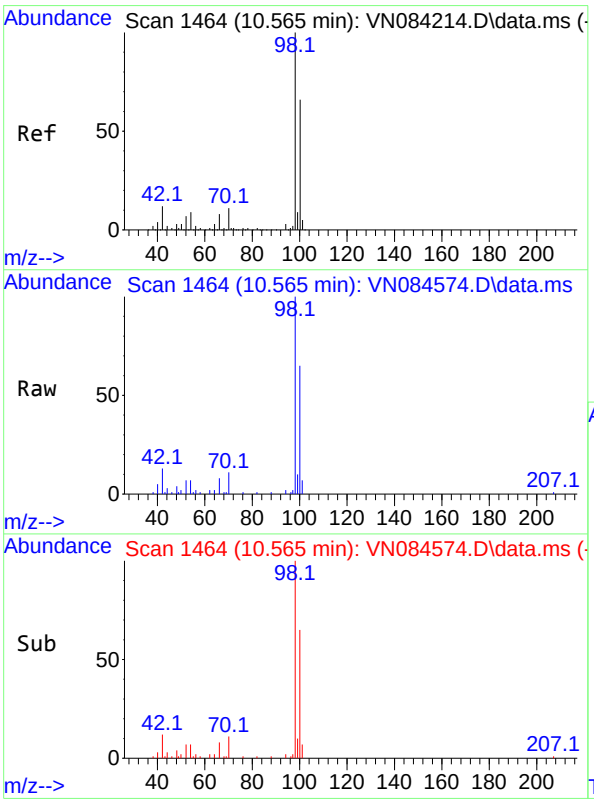
#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3729

Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.3	37.9
58	65.6	56.4	84.6

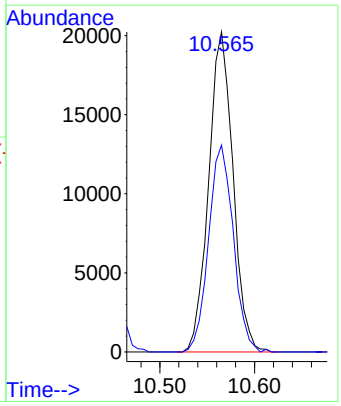


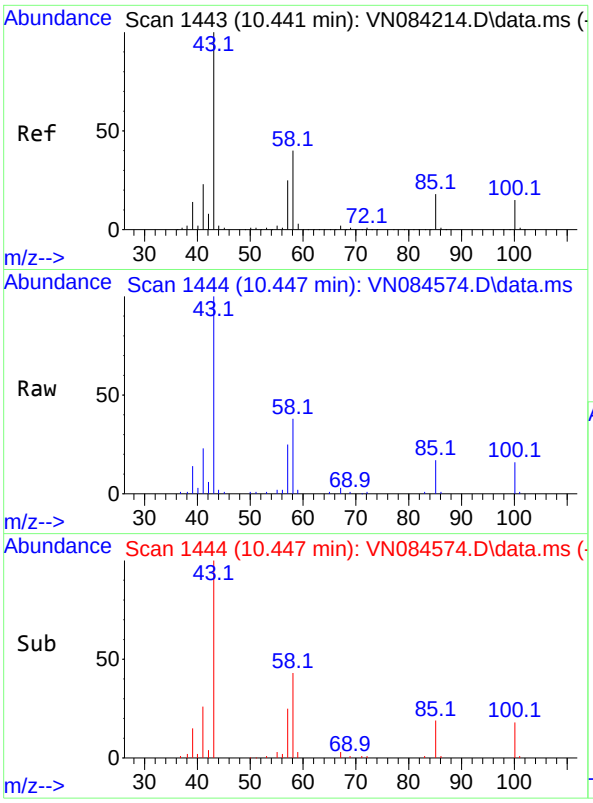


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



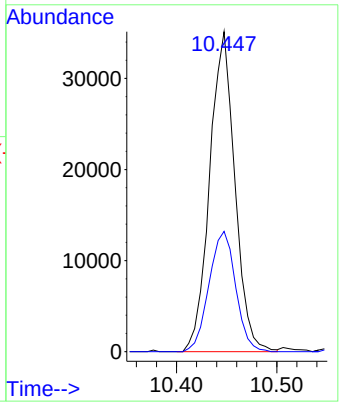


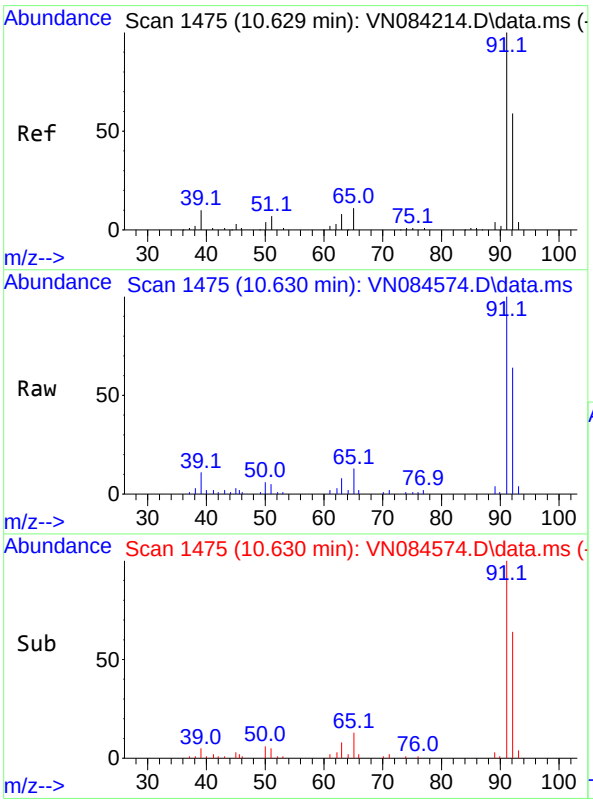
#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 61332

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

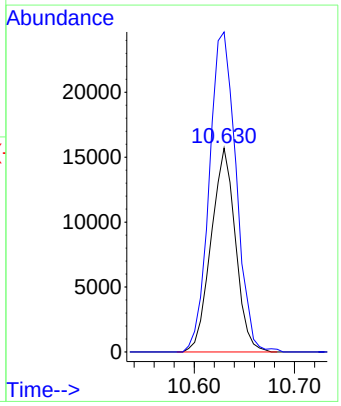


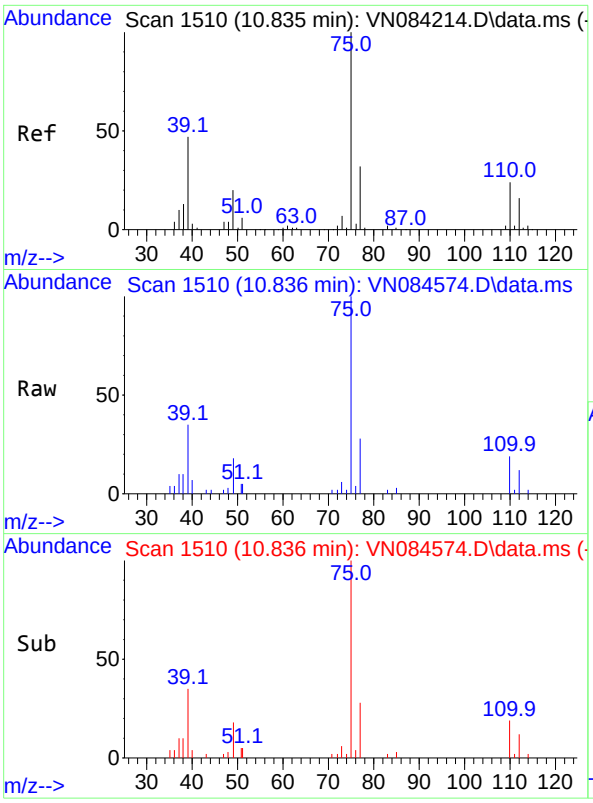


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9



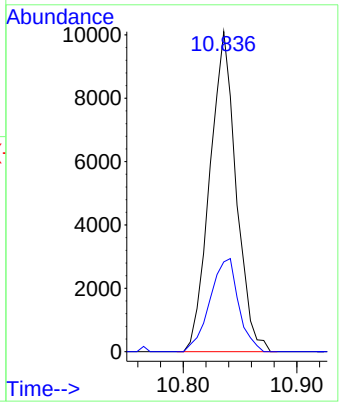


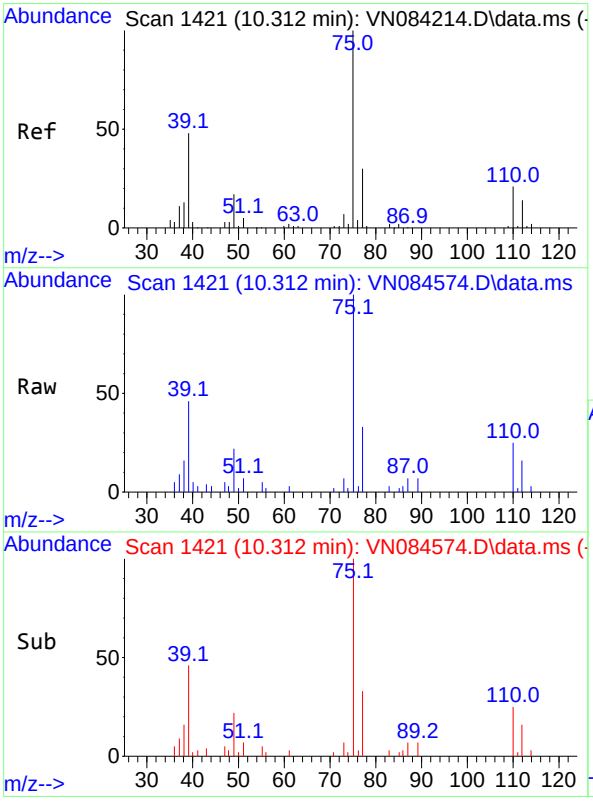
#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16279

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0

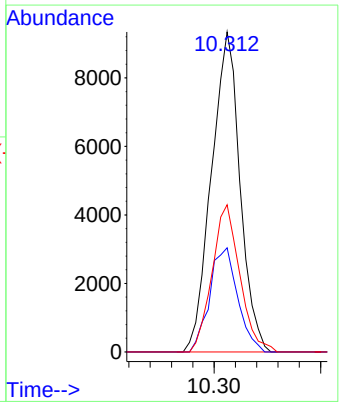


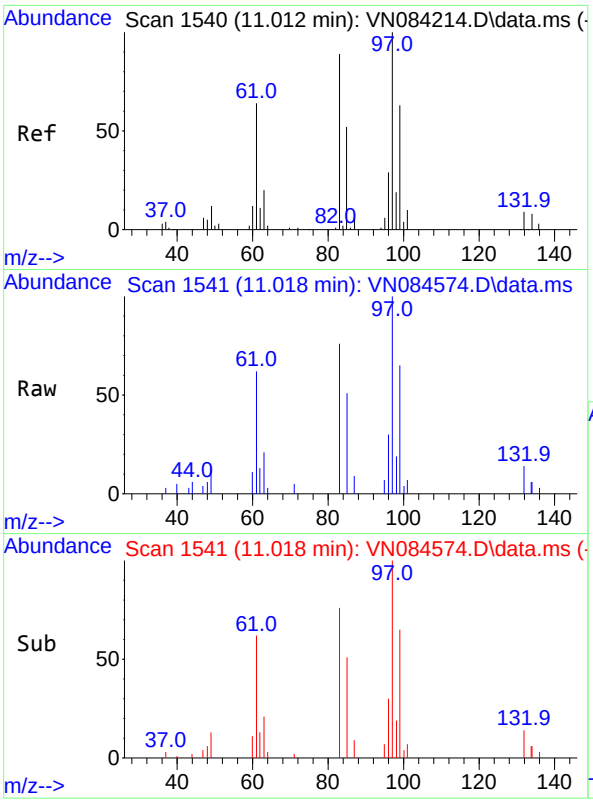


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 17395

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.2	36.2
39	46.0	38.7	58.1



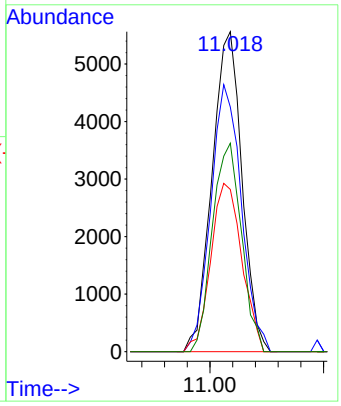


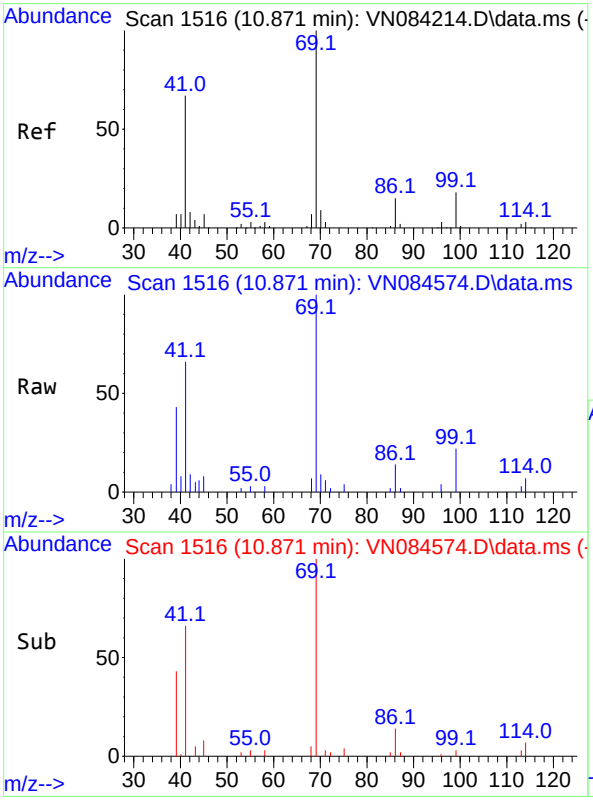
#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 10193

Ion	Ratio	Lower	Upper
97	100		
83	76.4	71.0	106.4
85	50.7	41.7	62.5
99	65.2	50.1	75.1

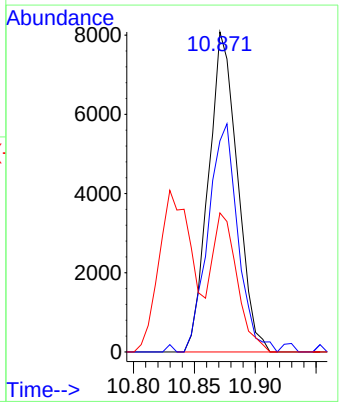


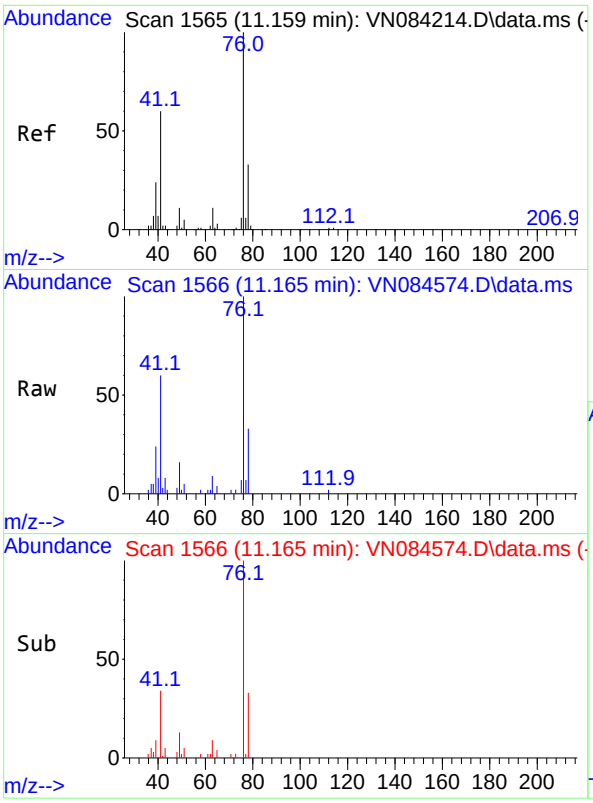


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 69 Resp: 13362

Ion	Ratio	Lower	Upper
69	100		
41	73.3	53.3	79.9
39	36.7	28.8	43.2



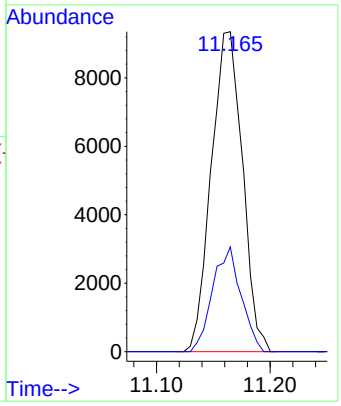


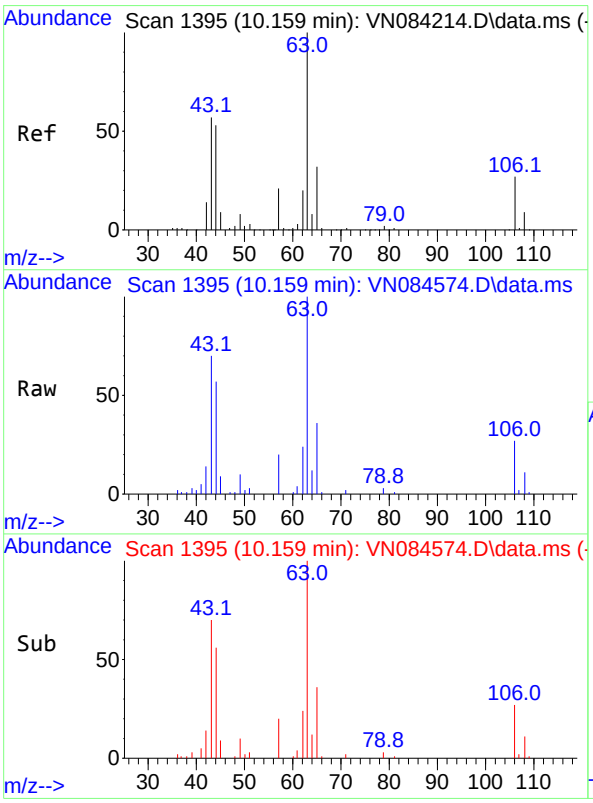
#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17816

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

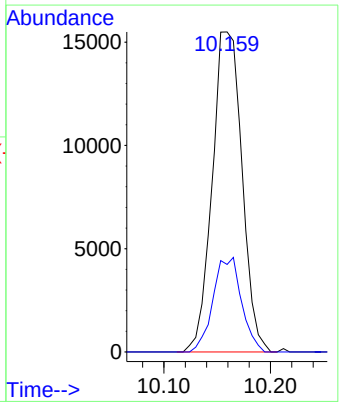


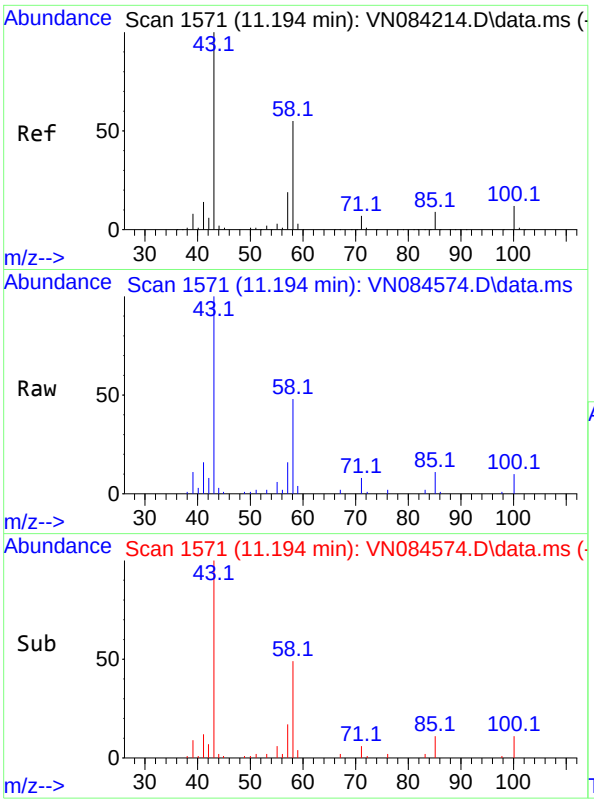


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6



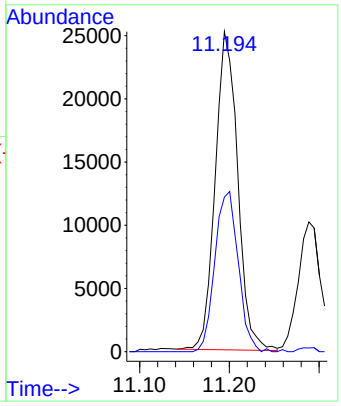


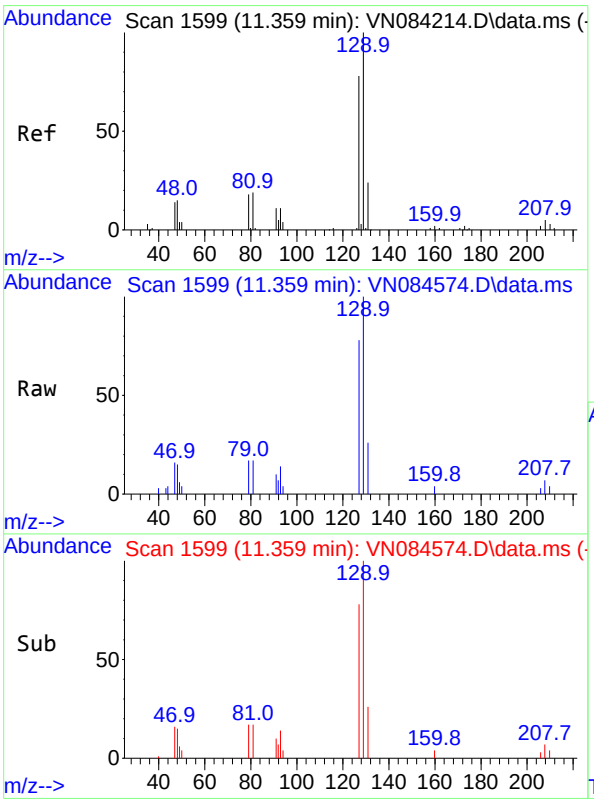
#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 43750

Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8

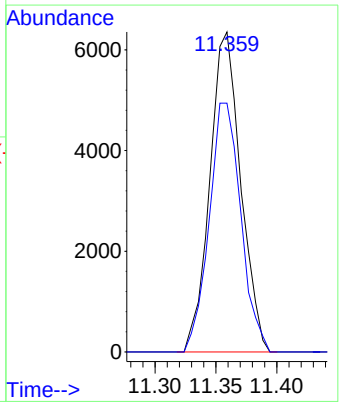


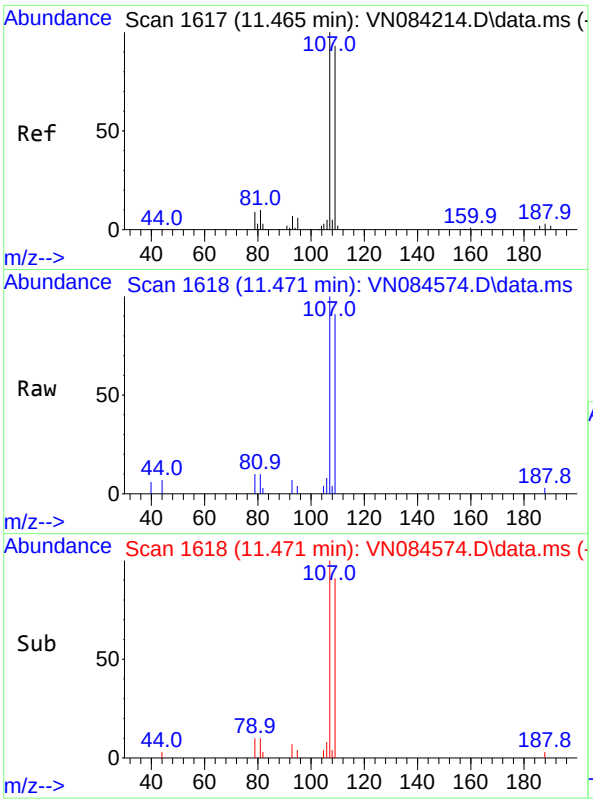


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9



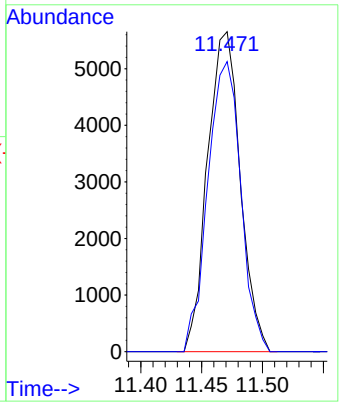


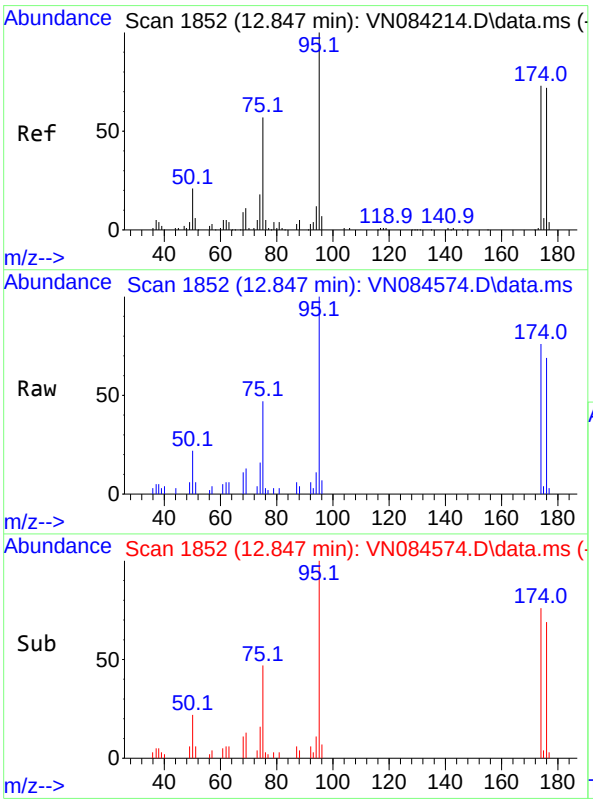
#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0

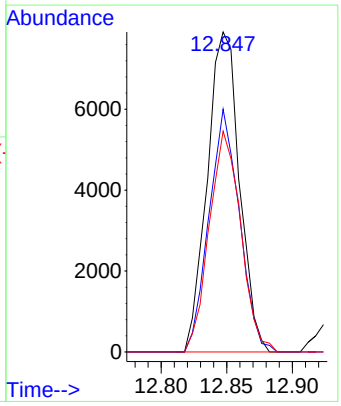


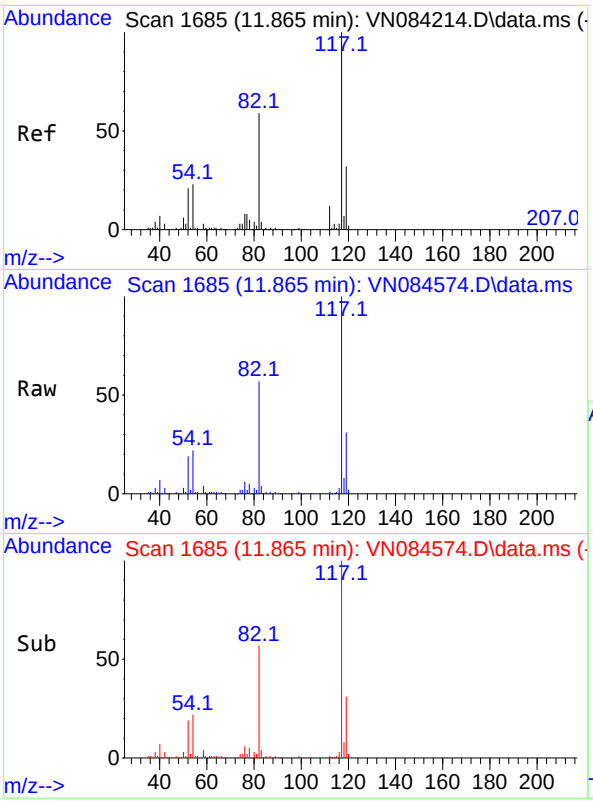


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 95 Resp: 13506

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	145.2
176	67.5	0.0	140.0



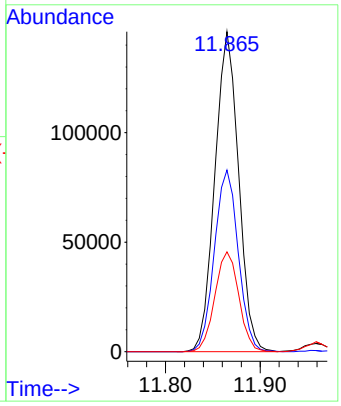


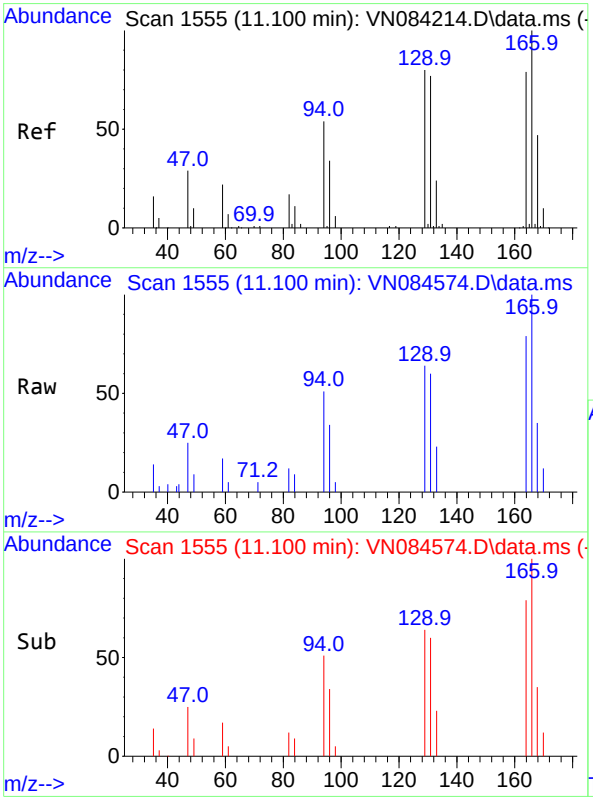
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 254342

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.2	25.4	38.0

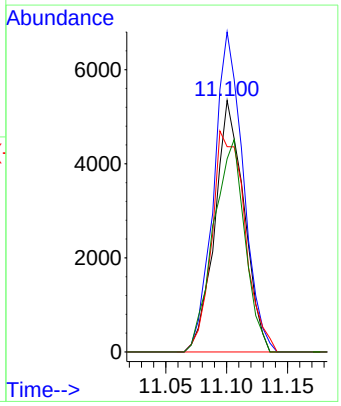


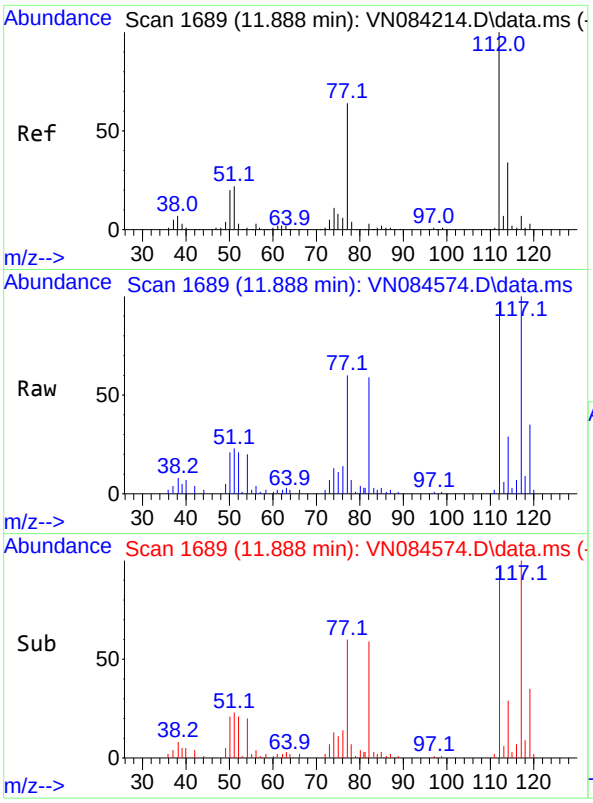


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:164 Resp: 8917

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	81.6	80.8	121.2
131	76.8	78.1	117.1#



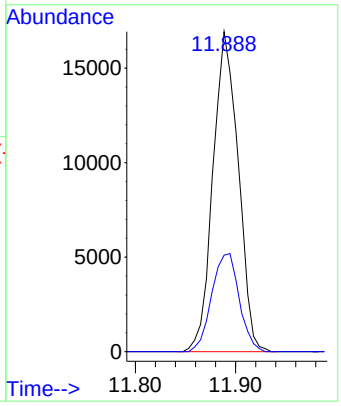


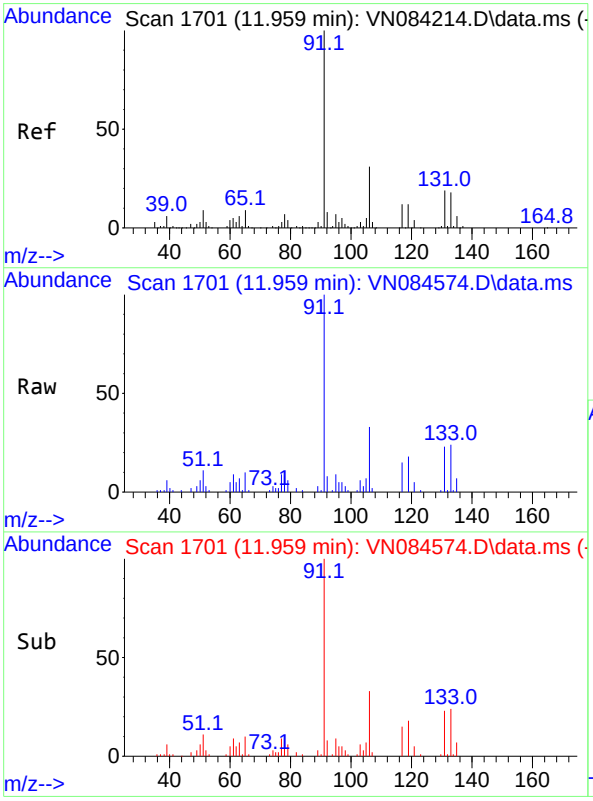
#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29618

Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6

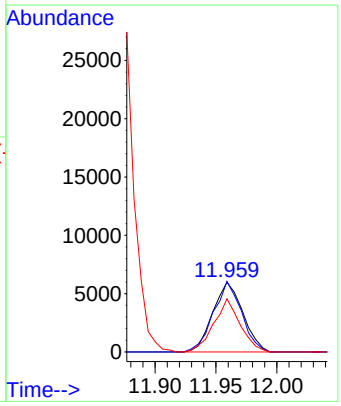


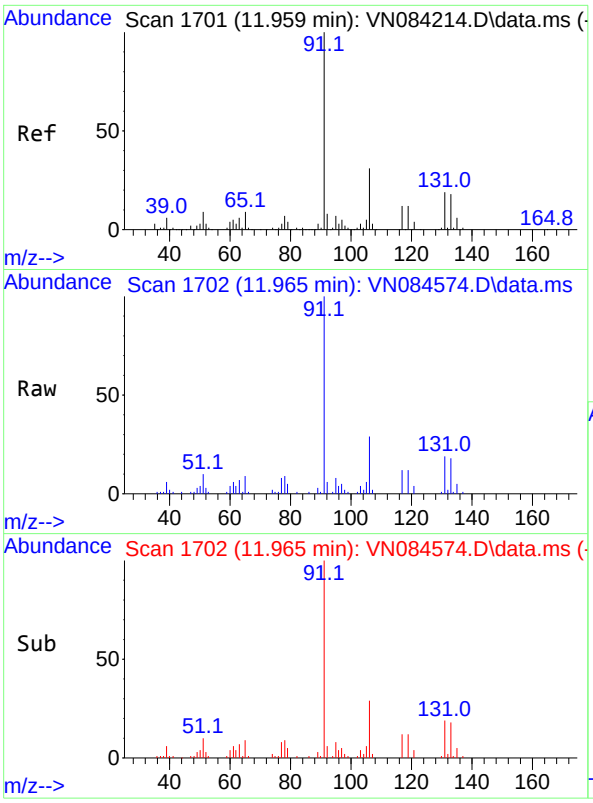


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:131 Resp: 10265

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	66.8	32.8	98.3



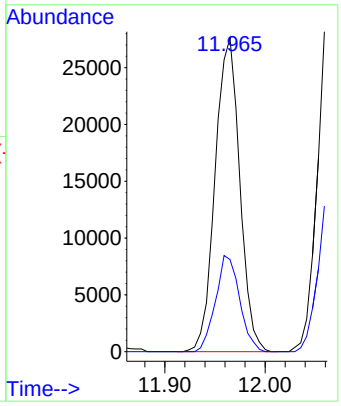


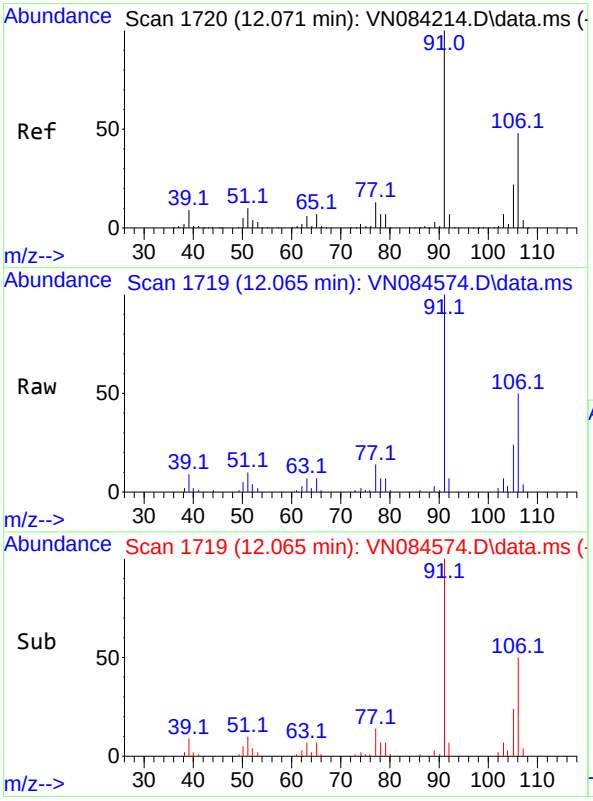
#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47037

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7

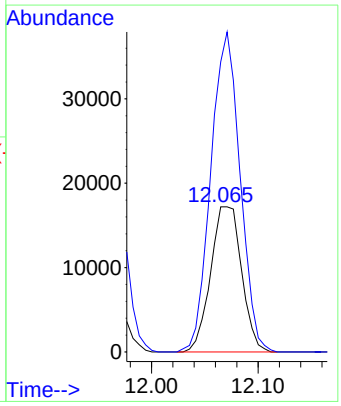


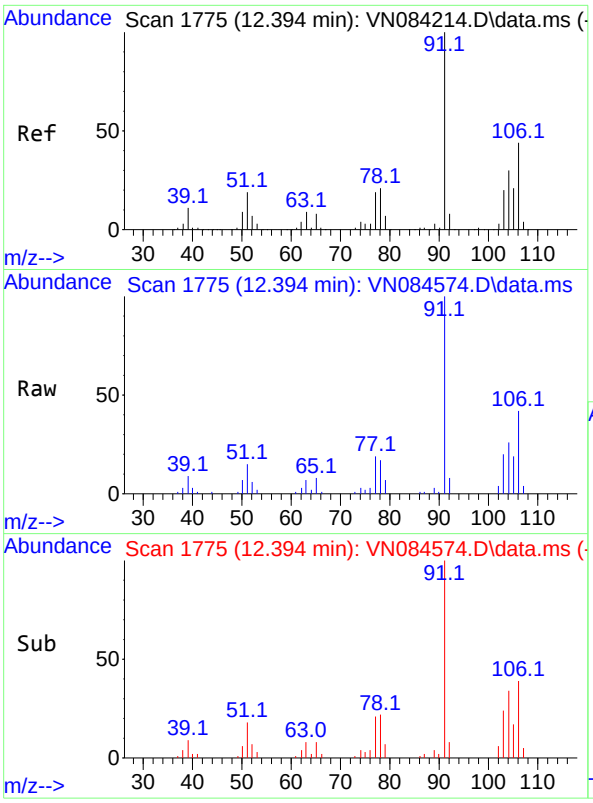


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7



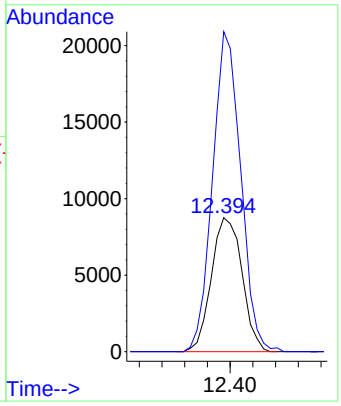


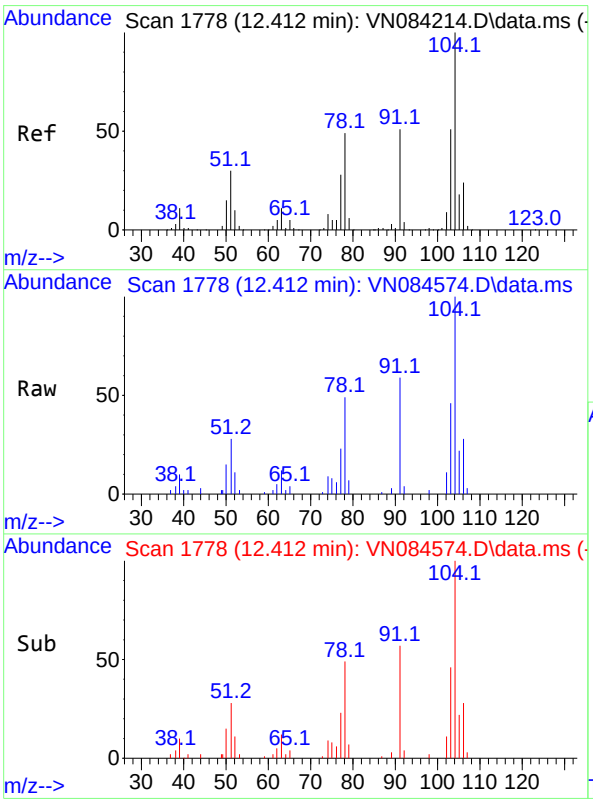
#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16393

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6

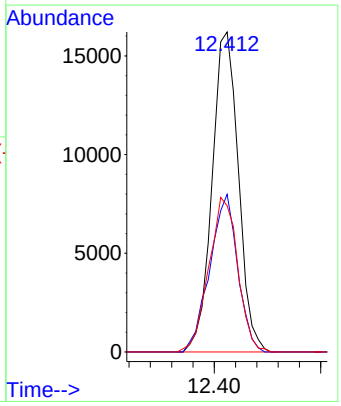


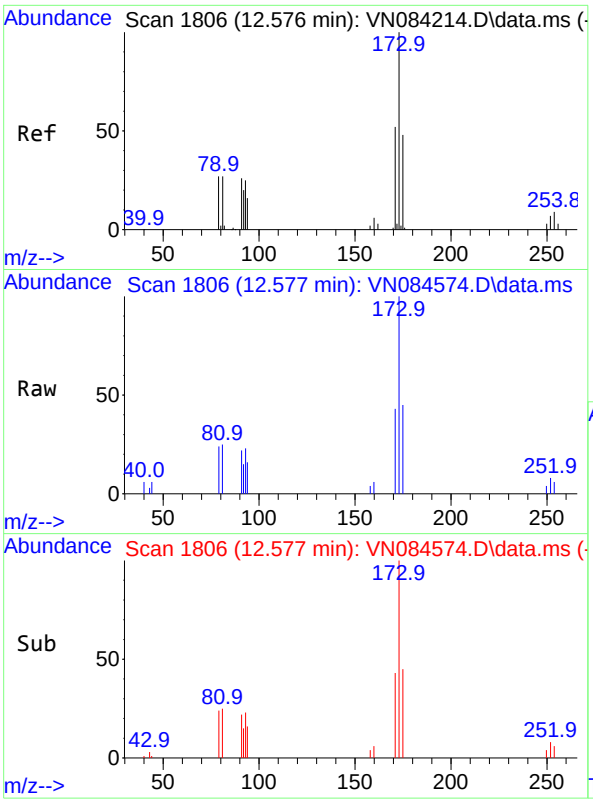


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:104 Resp: 27807

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	53.0	43.6	65.4



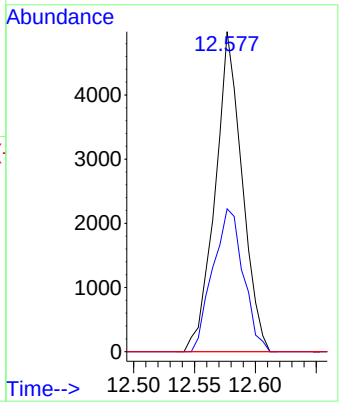


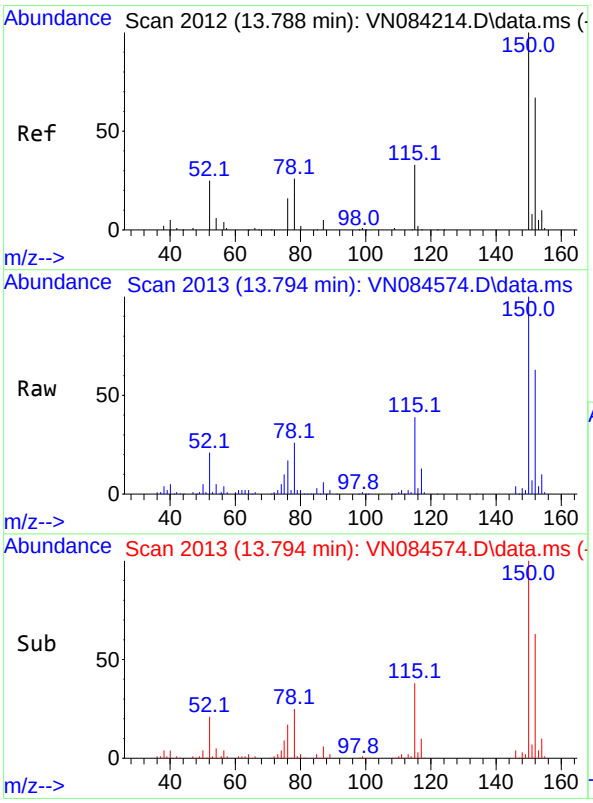
#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7686

Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.5	70.6
254	0.0	0.0	0.0

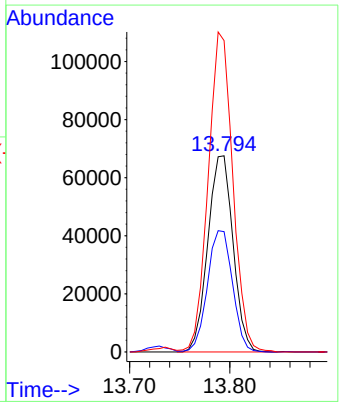


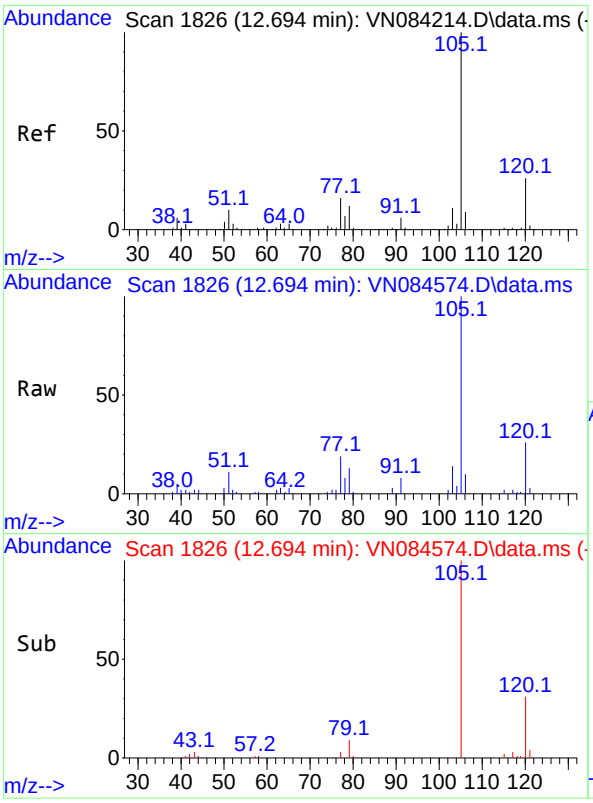


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:152 Resp: 118229

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	159.1	0.0	349.8



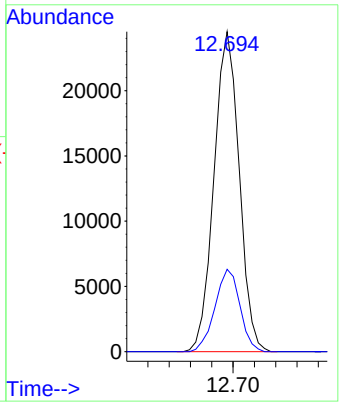


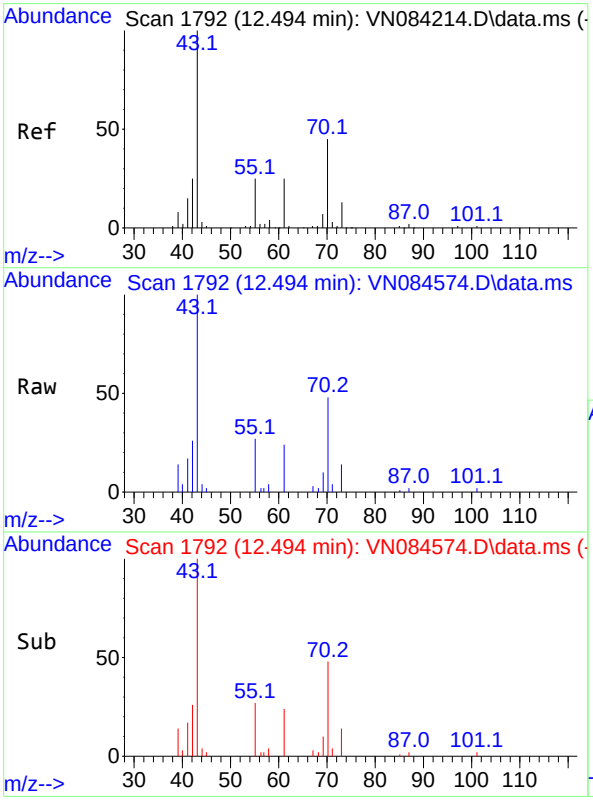
#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

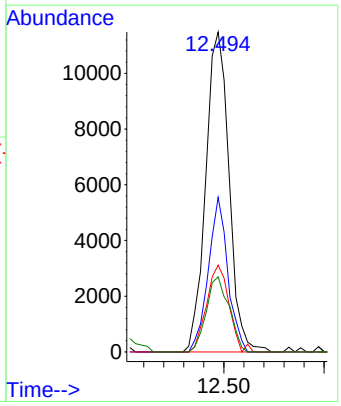


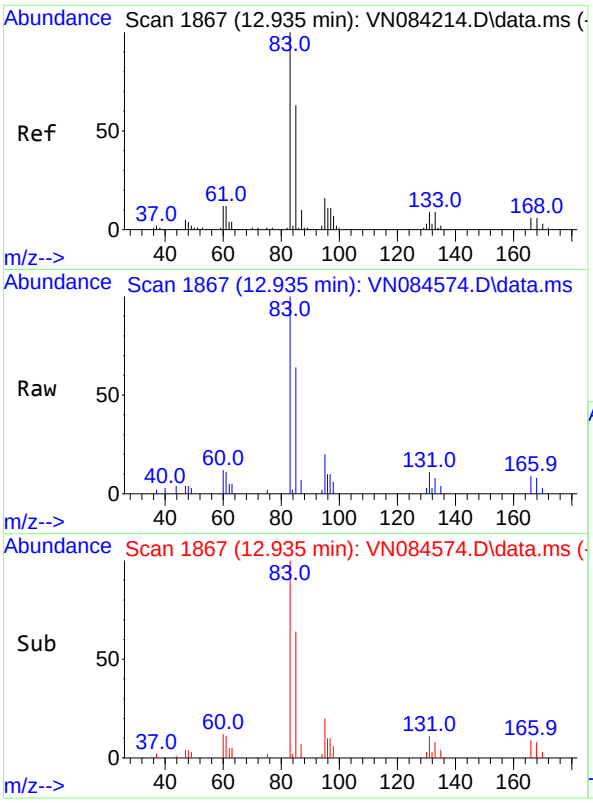


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 18583

Ion	Ratio	Lower	Upper
43	100		
70	40.5	34.4	51.6
55	25.9	19.6	29.4
61	22.9	19.6	29.4



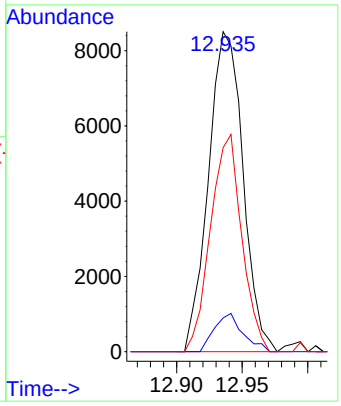


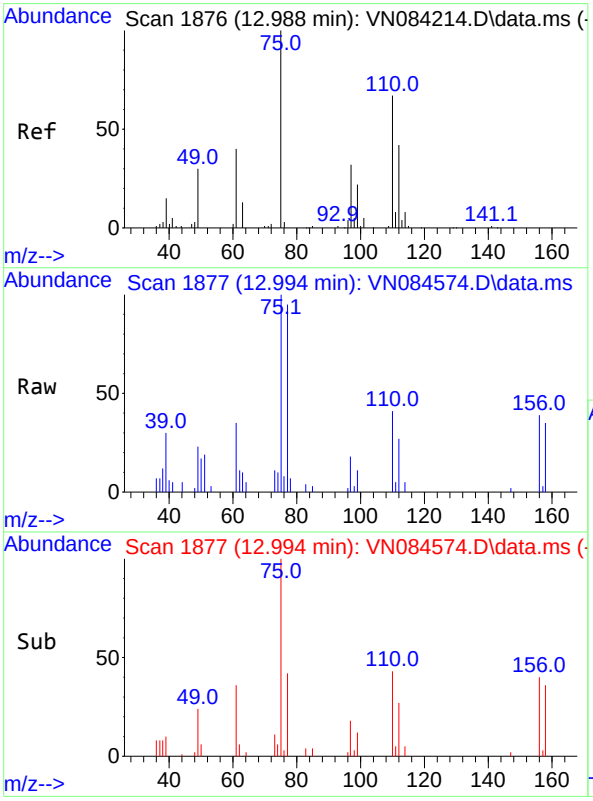
#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15573

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.7

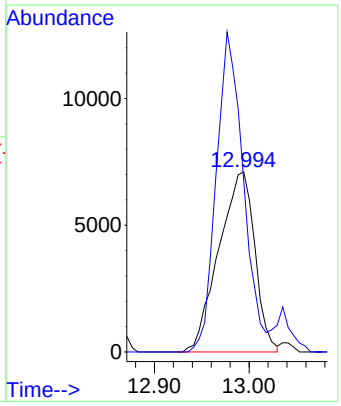


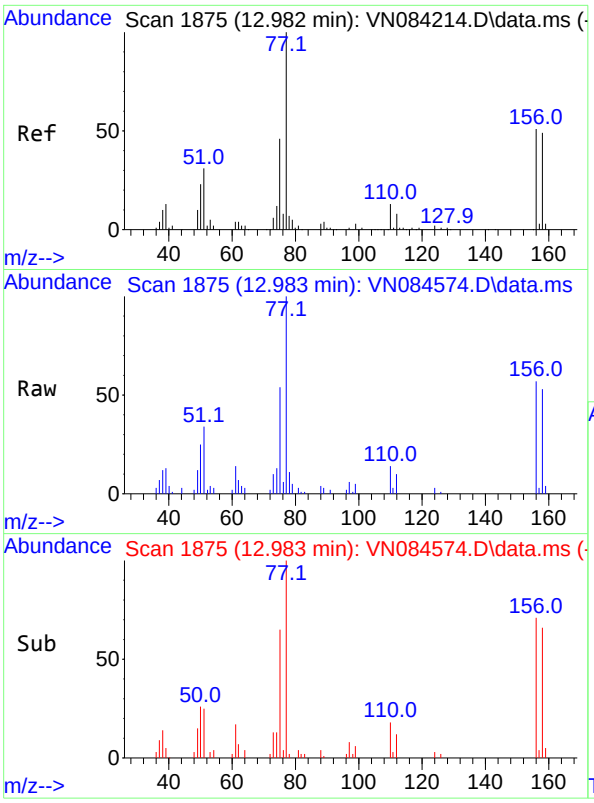


#76
1,2,3-Trichloropropane
Concen: 8.021 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 18713

Ion	Ratio	Lower	Upper
75	100		
77	133.5	96.9	290.7



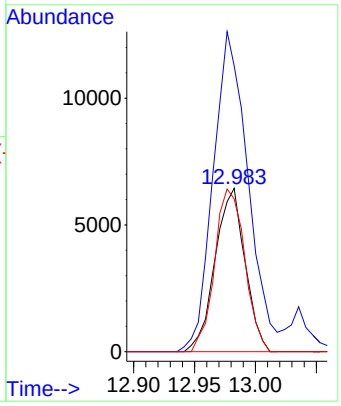


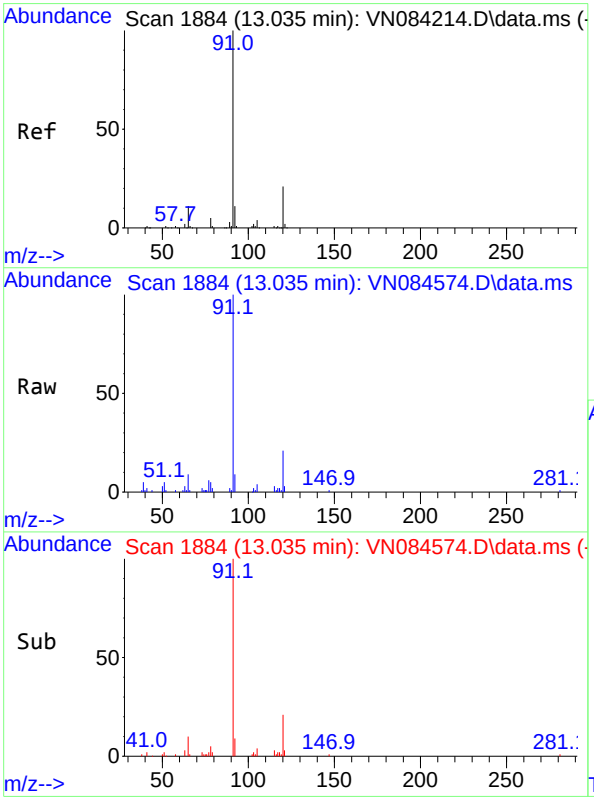
#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 11012

Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.1	345.3
158	100.2	48.9	146.8

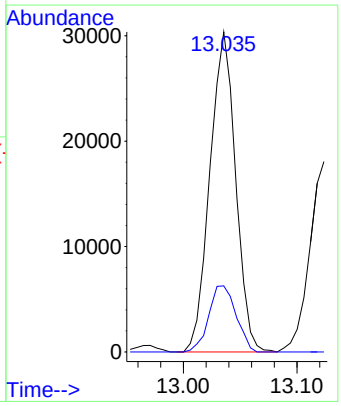


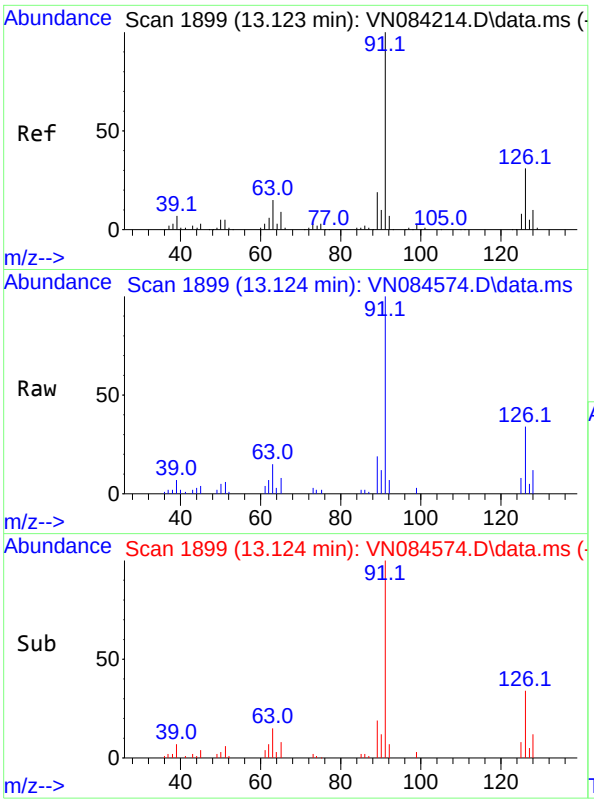


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



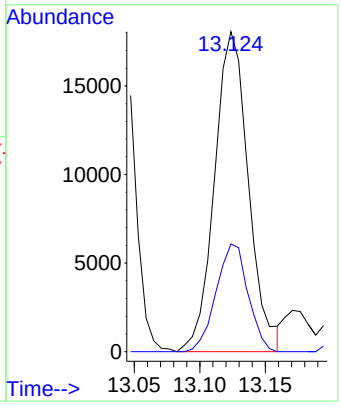


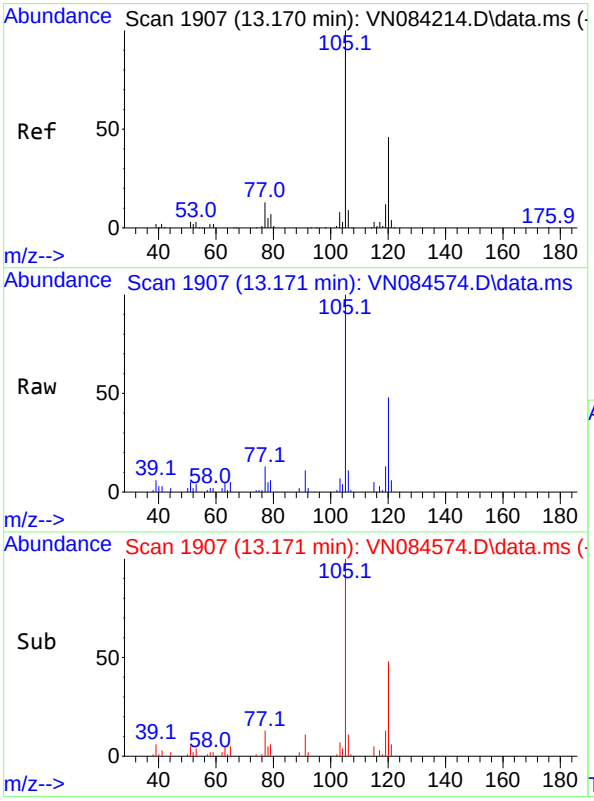
#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32460

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

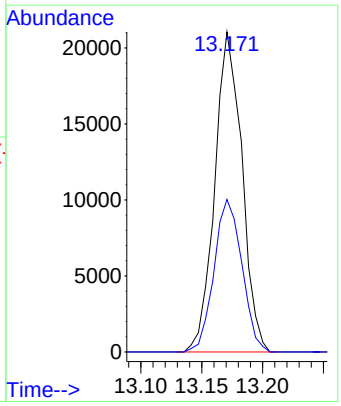


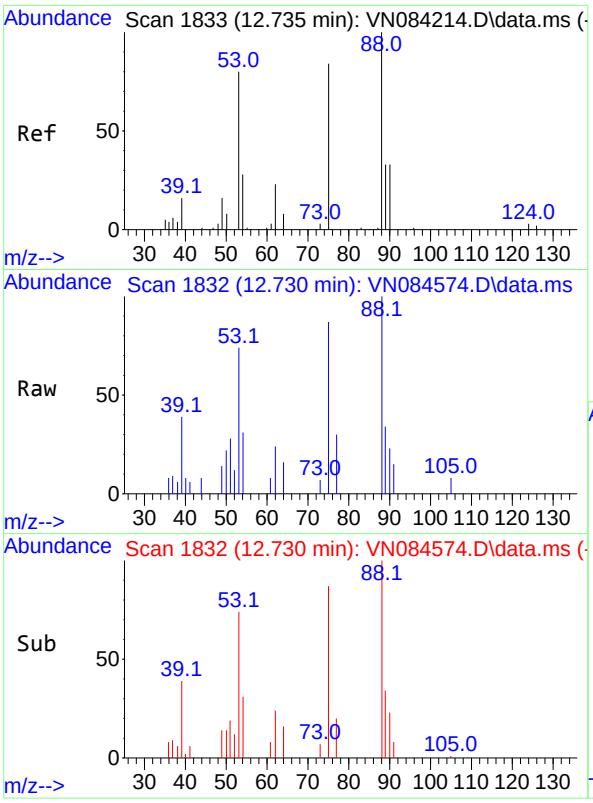


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1



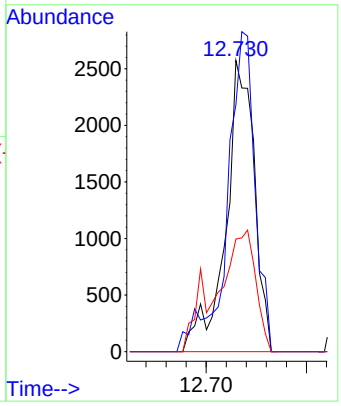


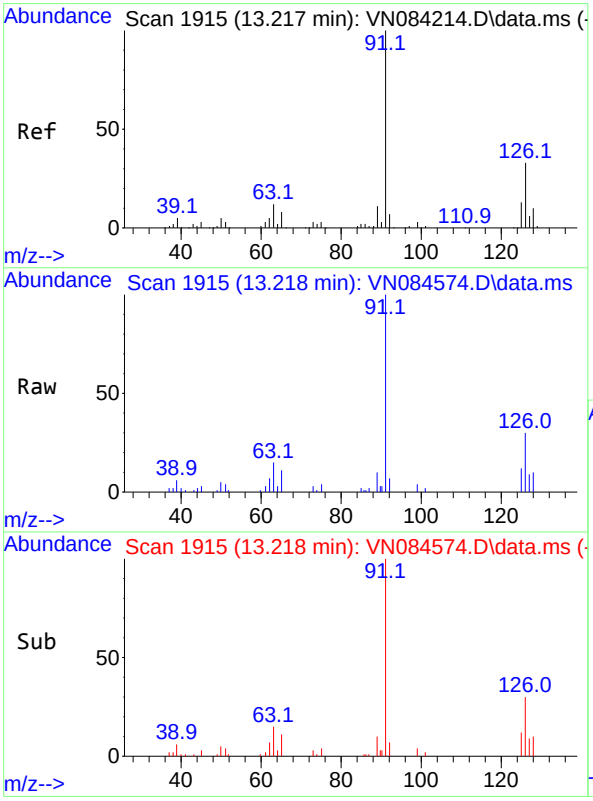
#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5096

Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.0	117.0
89	43.5	35.5	53.3

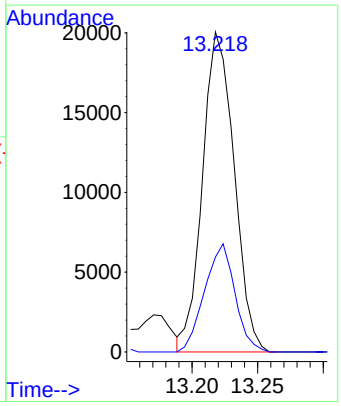


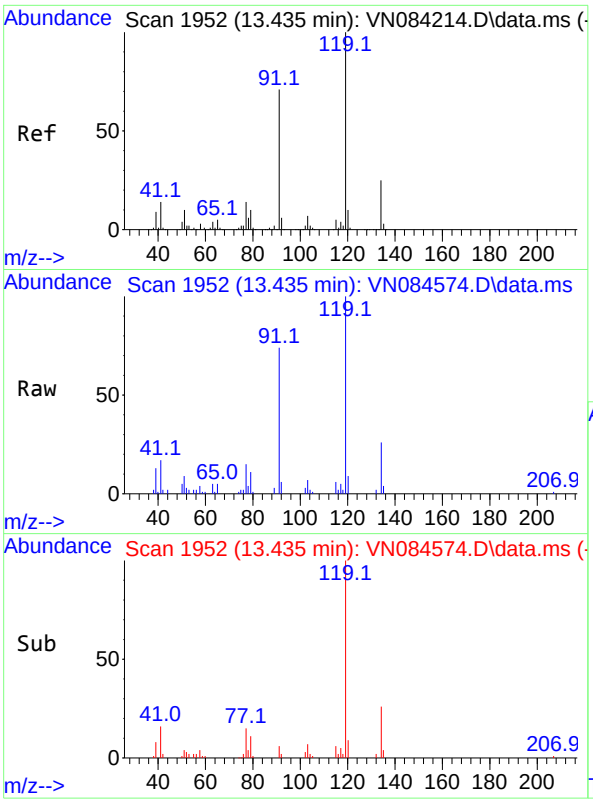


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



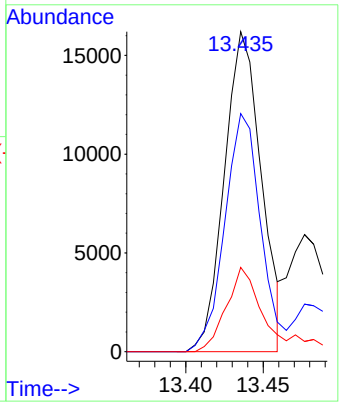


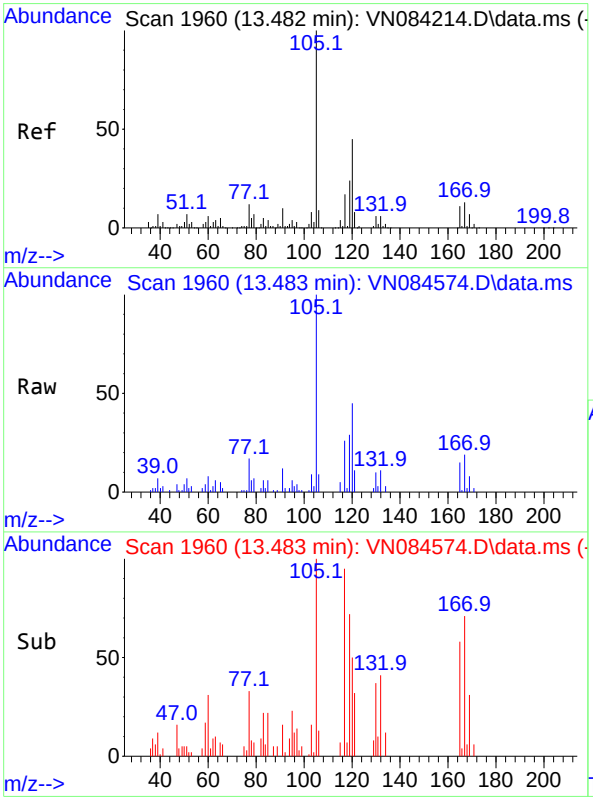
#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 26850

Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	27.9	12.8	38.4

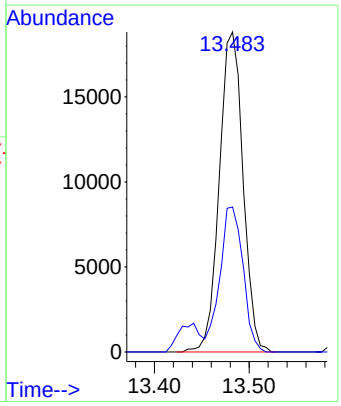


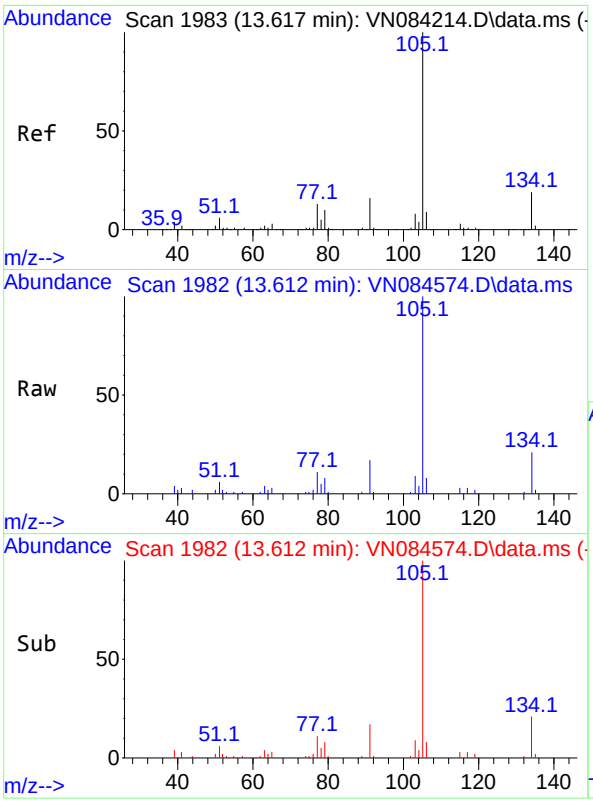


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



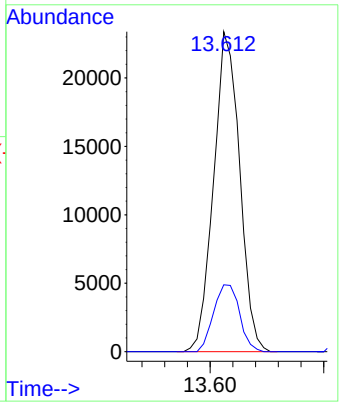


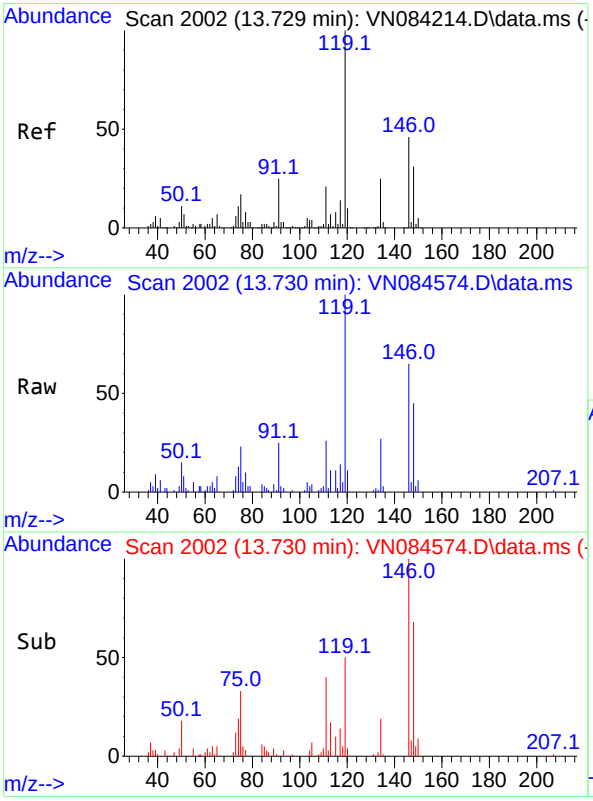
#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37187

Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4

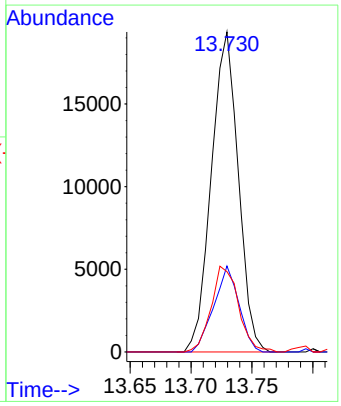


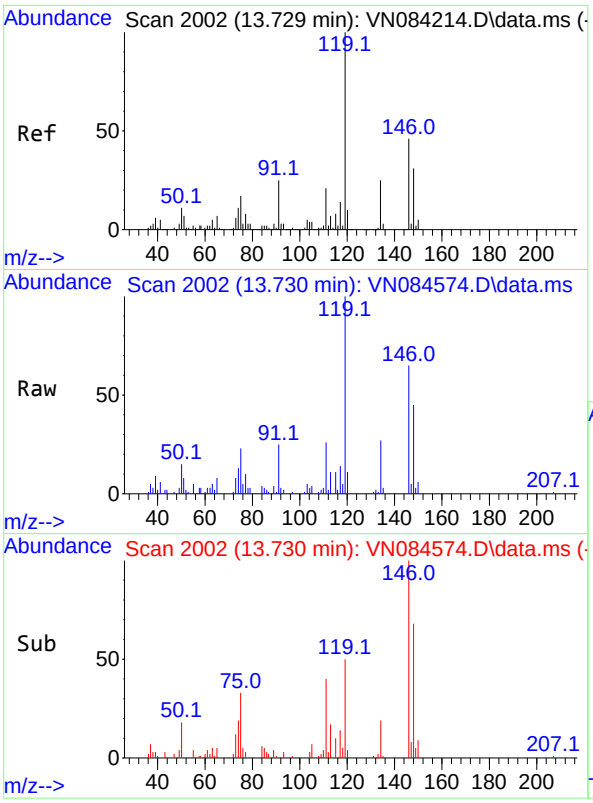


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 29767

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	27.2	12.4	37.2



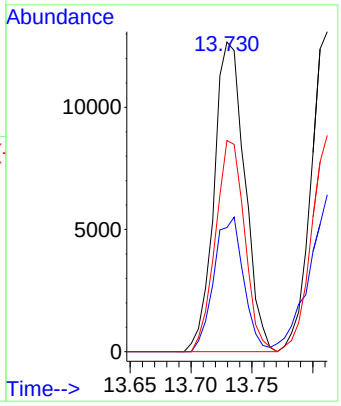


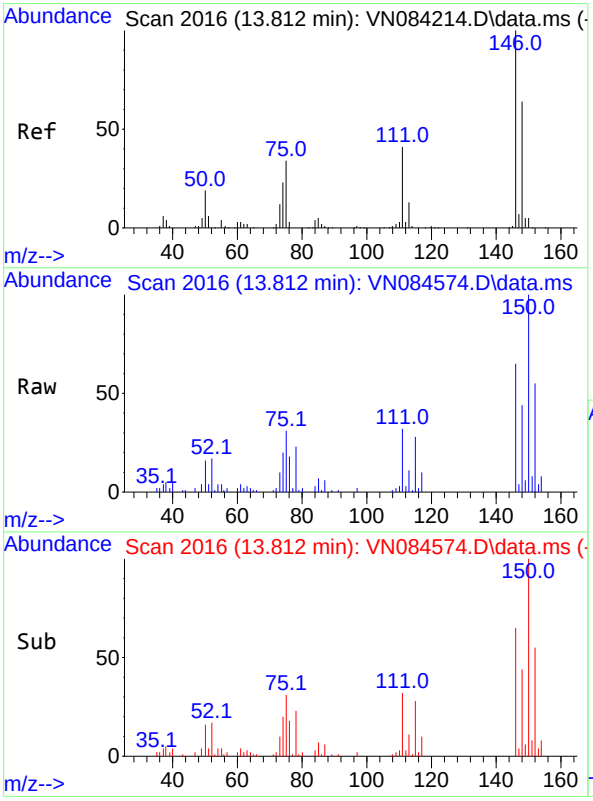
#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22272

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.7	31.9	95.7

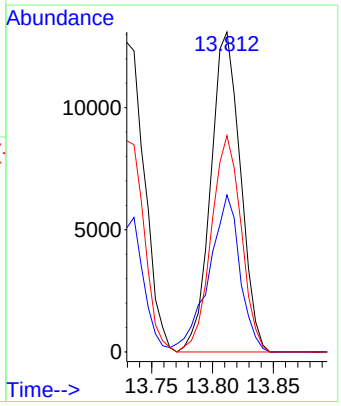


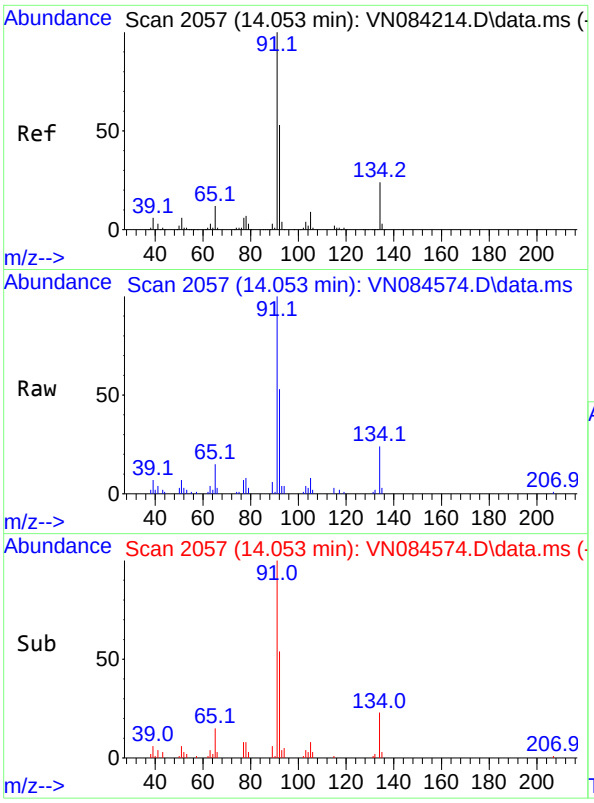


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22213

Ion	Ratio	Lower	Upper
146	100		
111	51.5	21.2	63.6
148	68.1	31.9	95.9



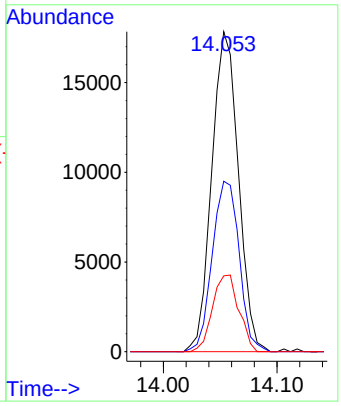


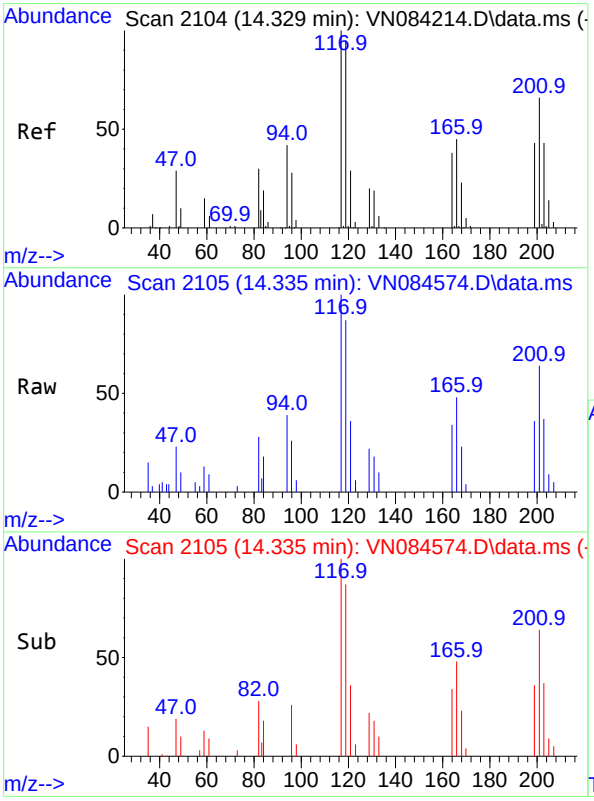
#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 29010

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.7
134	23.7	12.3	36.9

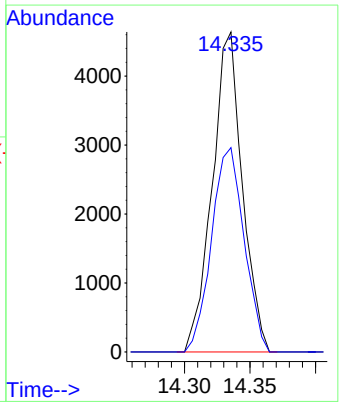


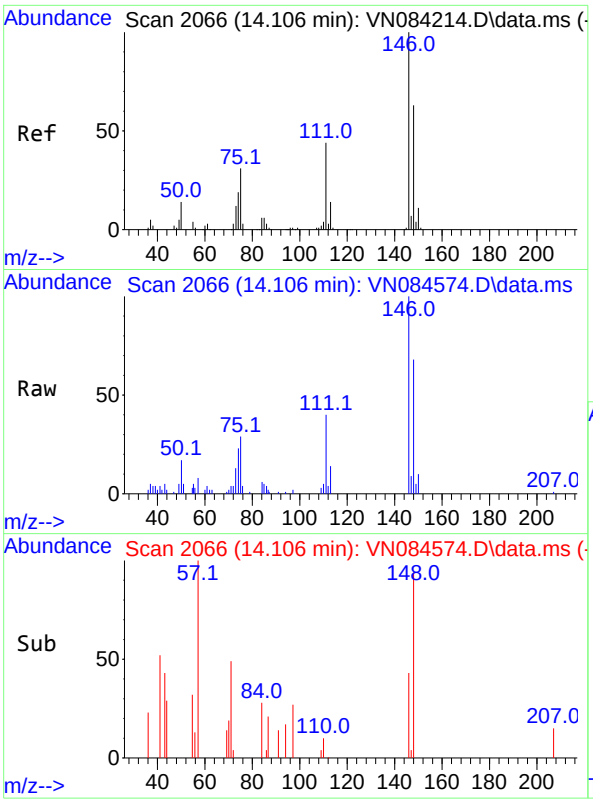


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2



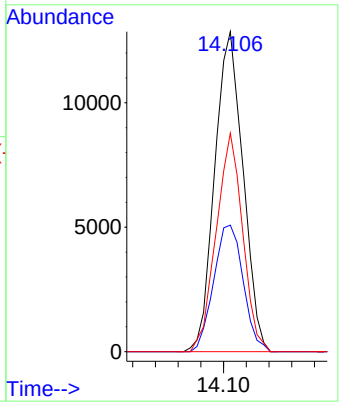


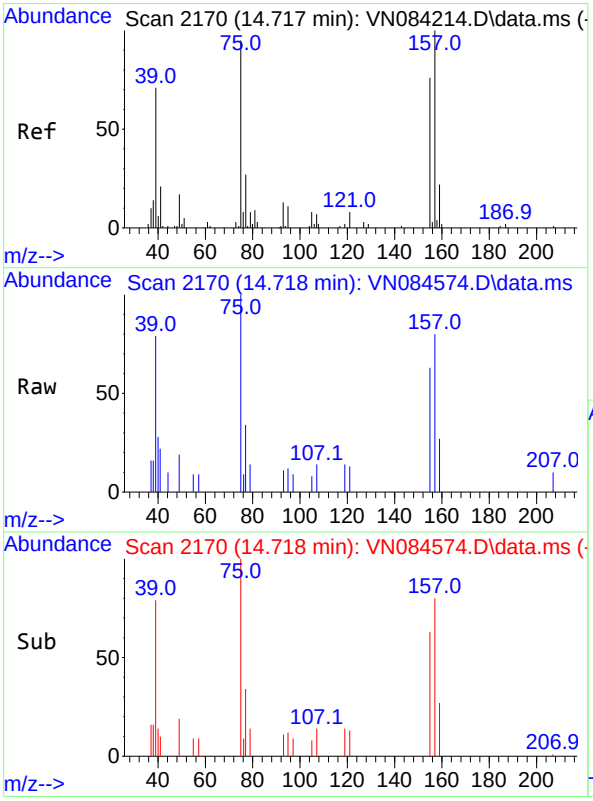
#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 22221

Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.0	32.1	96.3

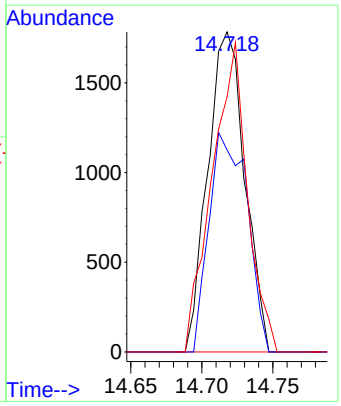


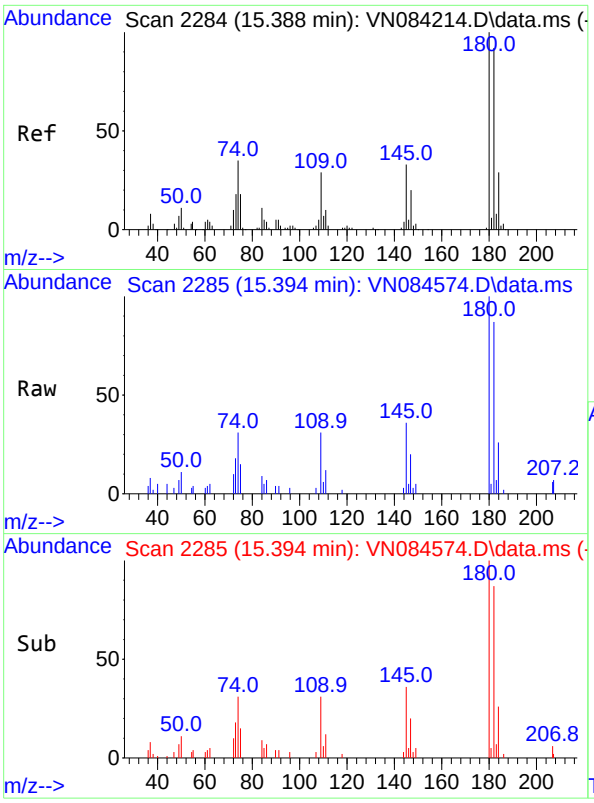


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 3239

Ion	Ratio	Lower	Upper
75	100		
155	70.5	38.1	114.5
157	91.9	49.6	149.0



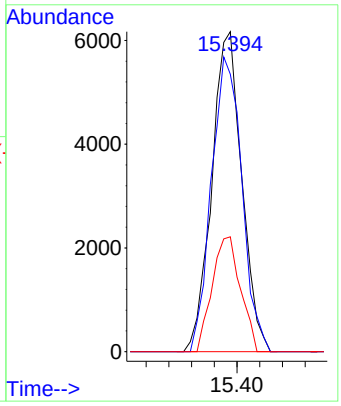


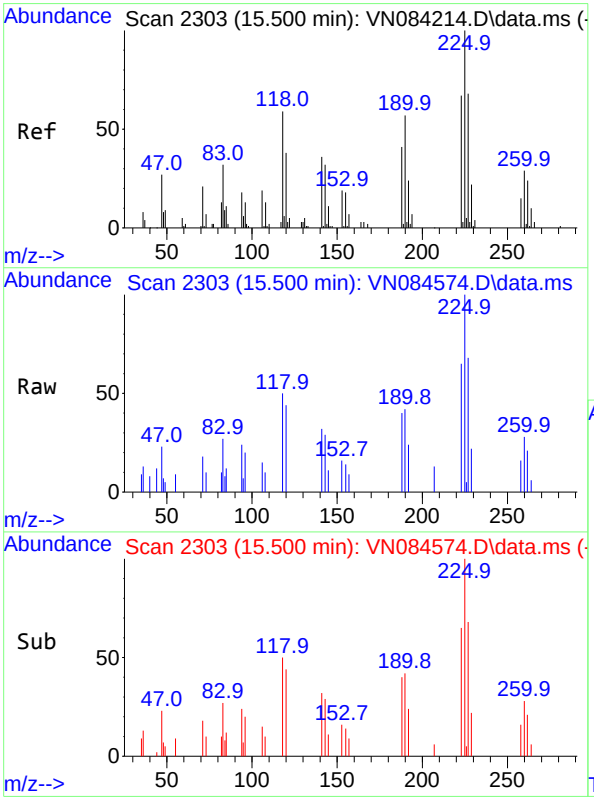
#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11298

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.9	16.4	49.4

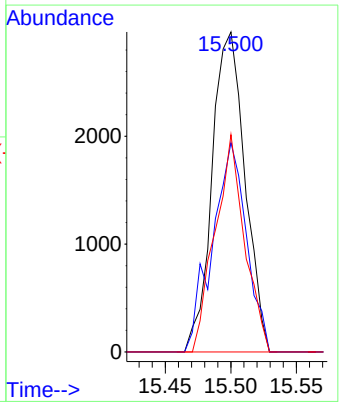


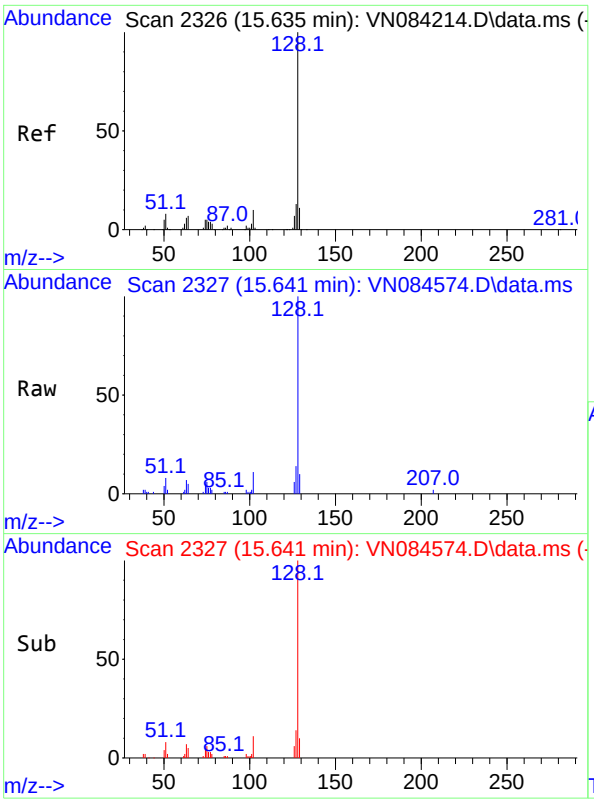


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:225 Resp: 5184

Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.4	97.2
227	60.8	32.4	97.0



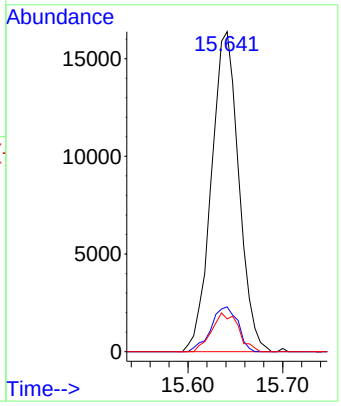


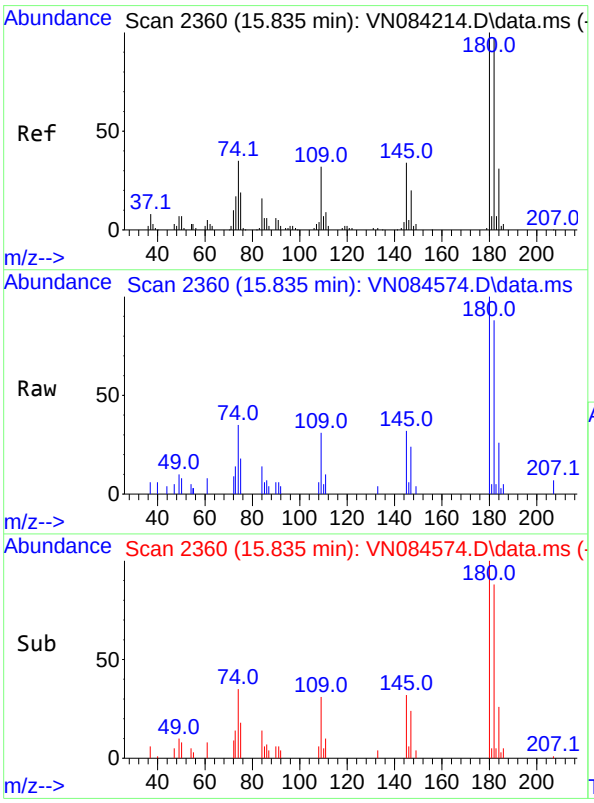
#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 32966

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.7	13.1

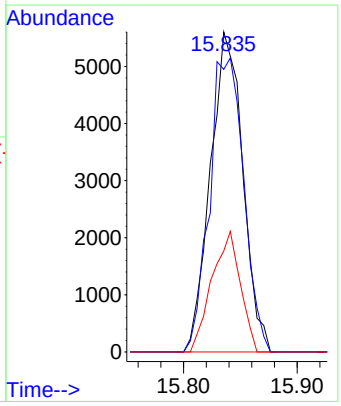




#96
1,2,3-Trichlorobenzene
Concen: 5.004 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11106

Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	33.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	2874	1.177	ug/l		-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.360%#			
35) Dibromofluoromethane	8.165	113	2182	1.083	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.160%#			
50) Toluene-d8	10.565	98	7251	0.977	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.960%#			
62) 4-Bromofluorobenzene	12.853	95	3420	1.233	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.460%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
5) Bromomethane	2.906	94	1610	1.454	ug/l		99
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.953	74	692	0.570	ug/l	#	32
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
10) Methyl Iodide	4.571	142	2914	1.121	ug/l	#	89
11) Tert butyl alcohol	5.489	59	1146	3.557	ug/l	#	73
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
13) Acrolein	4.177	56	1775	5.525	ug/l		84
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	2439	0.614	ug/l		97
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
31) Cyclohexane	8.218	56	2493	0.740	ug/l	#	1
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1095	0.803 ug/l #	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940 ug/l	81
43) Isopropyl Acetate	8.688	43	7724	0.697 ug/l #	78
44) Trichloroethene	9.353	130	2306	1.114 ug/l	74
45) 1,2-Dichloropropane	9.624	63	1967	0.934 ug/l #	86
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	3610	1.670 ug/l	71
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	789	0.855 ug/l	96
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.729	146	4961	0.498 ug/l	96
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

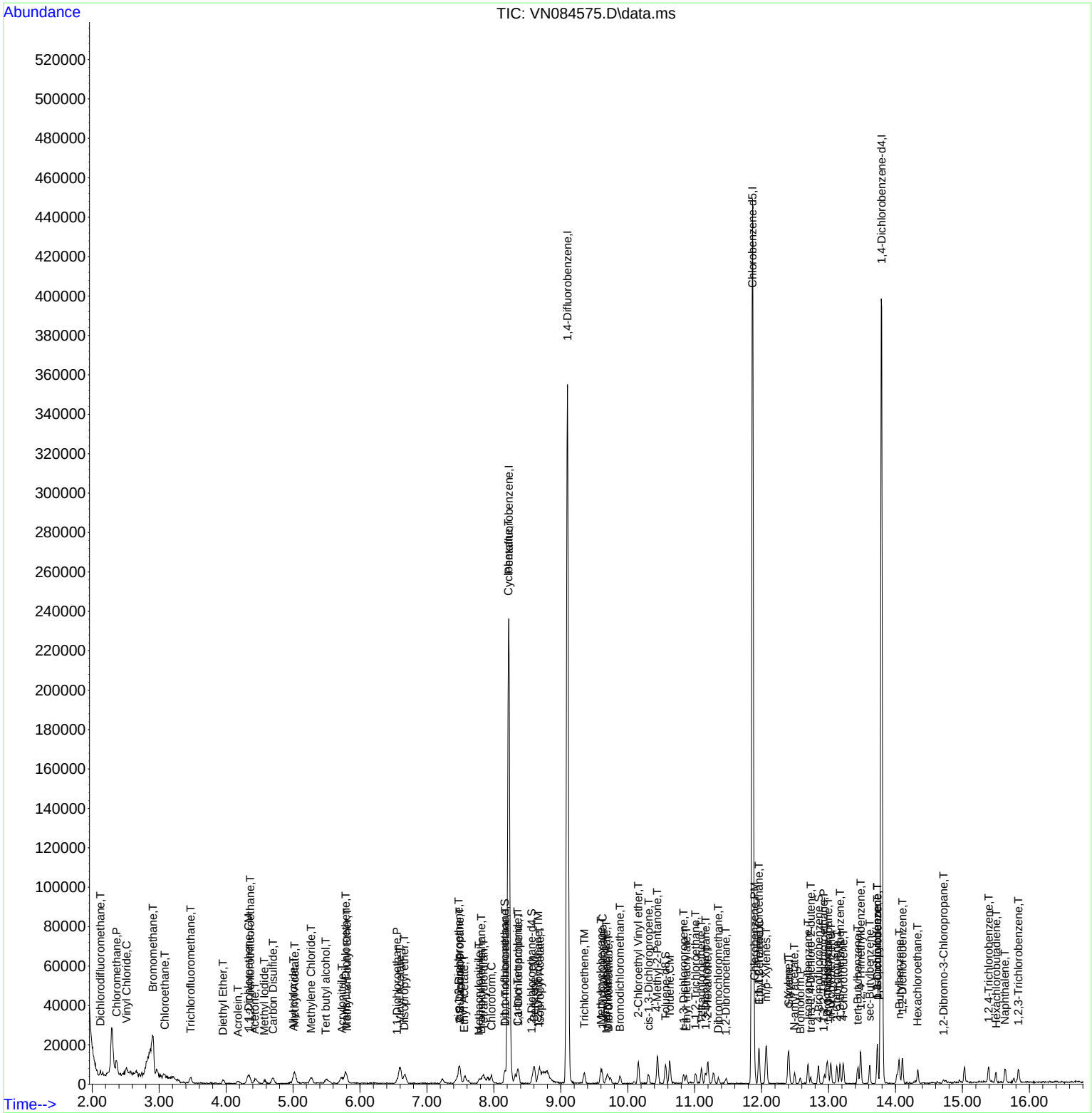
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

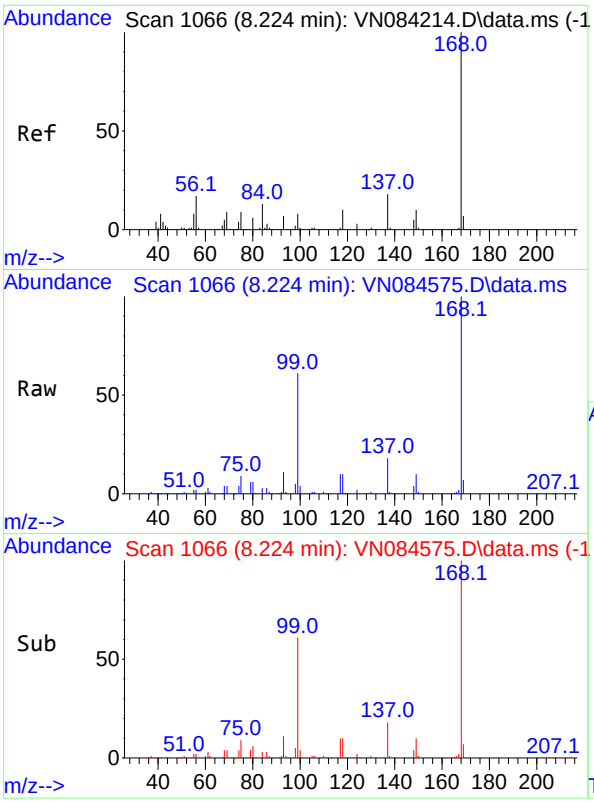
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration



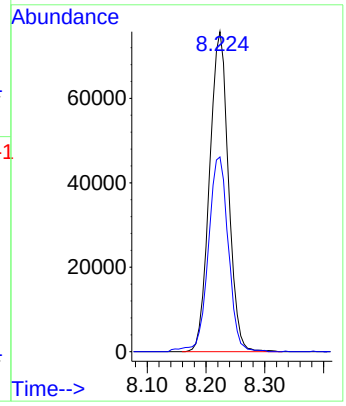


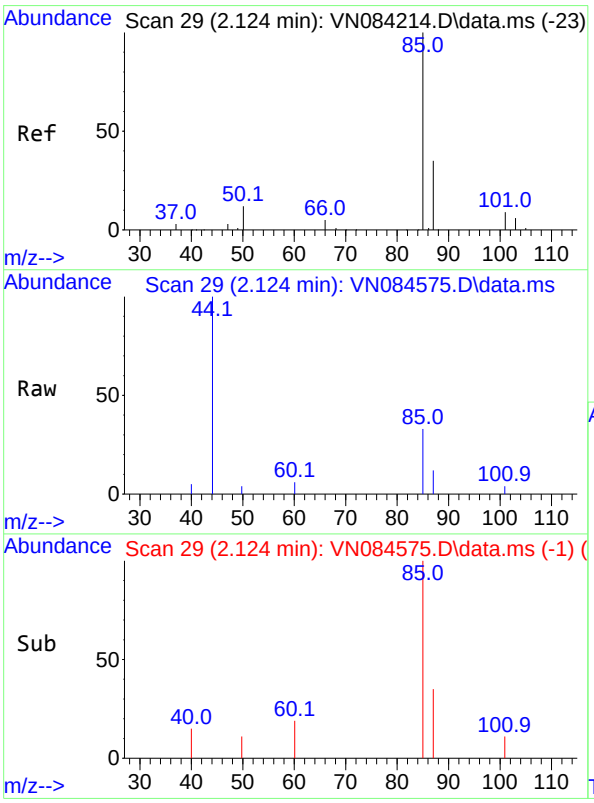
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 168991

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2

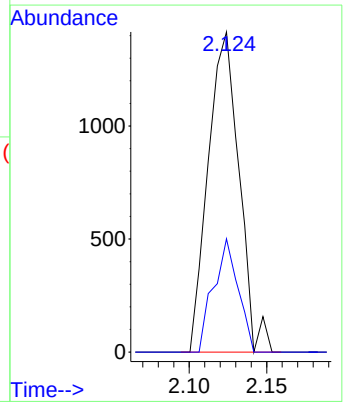


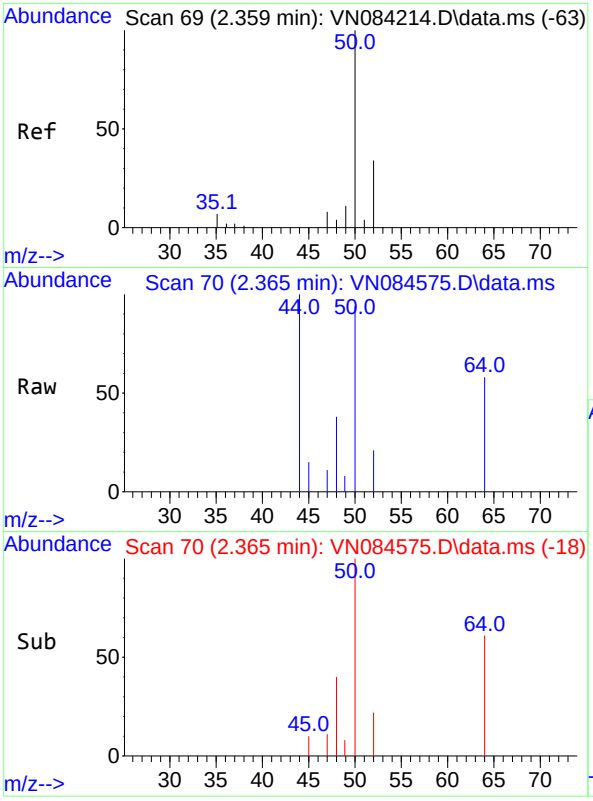


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9



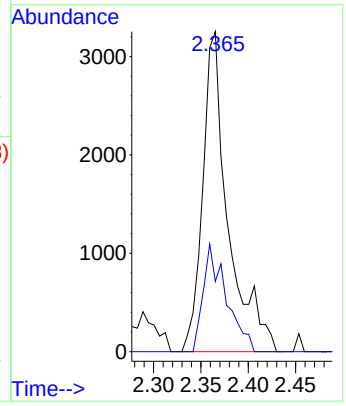


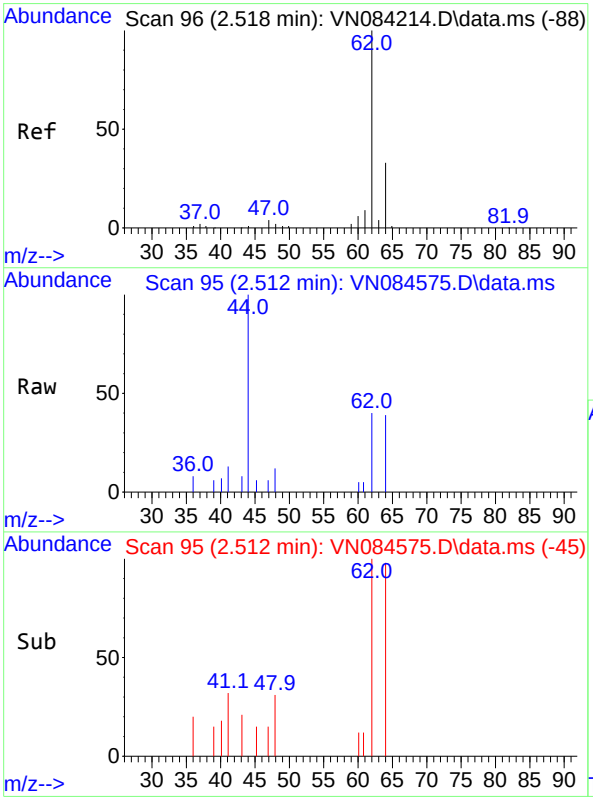
#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 6046

Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#

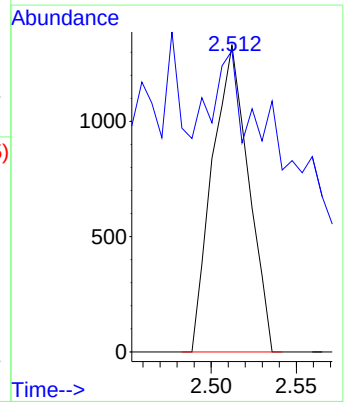


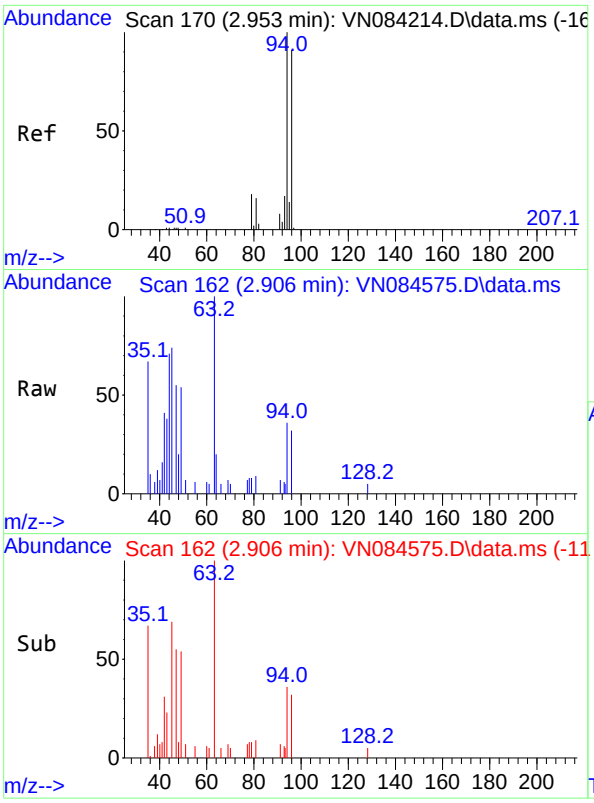


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4



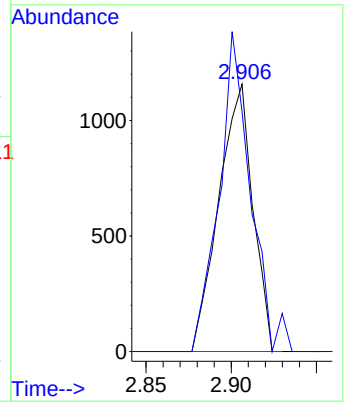


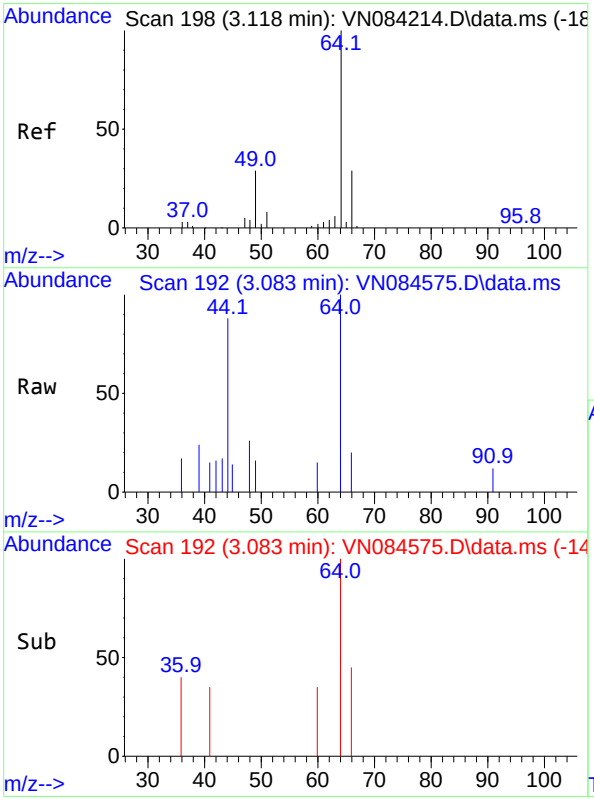
#5
Bromomethane
Concen: 1.454 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1610

Ion	Ratio	Lower	Upper
94	100		
96	89.8	72.9	109.3

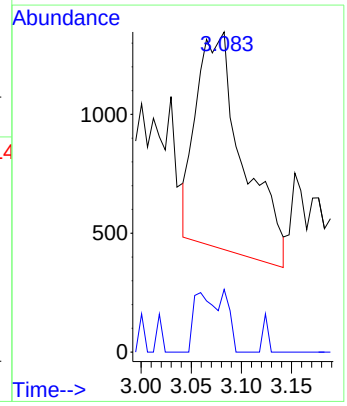


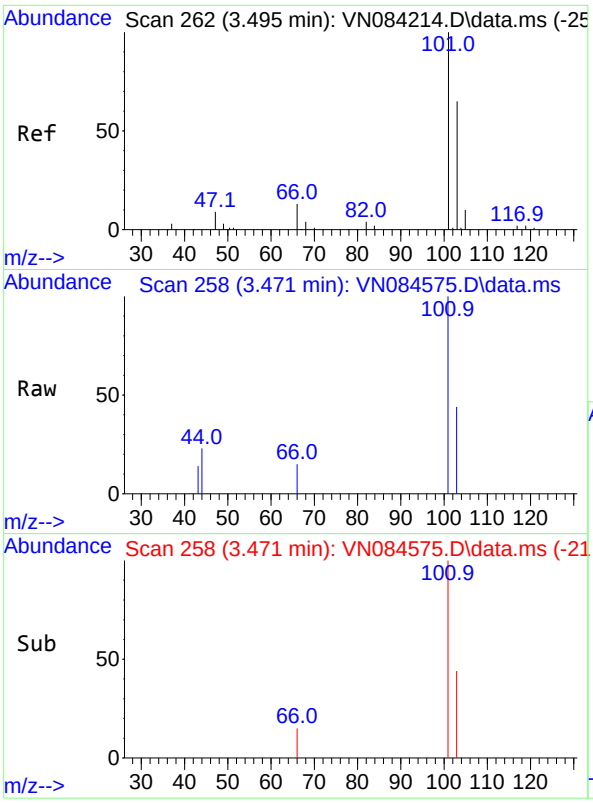


#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



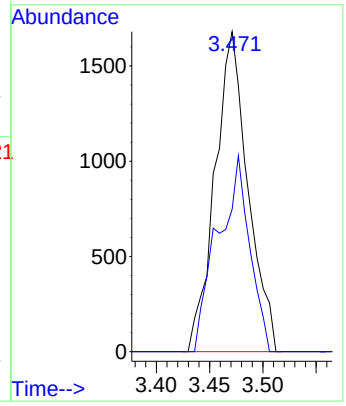


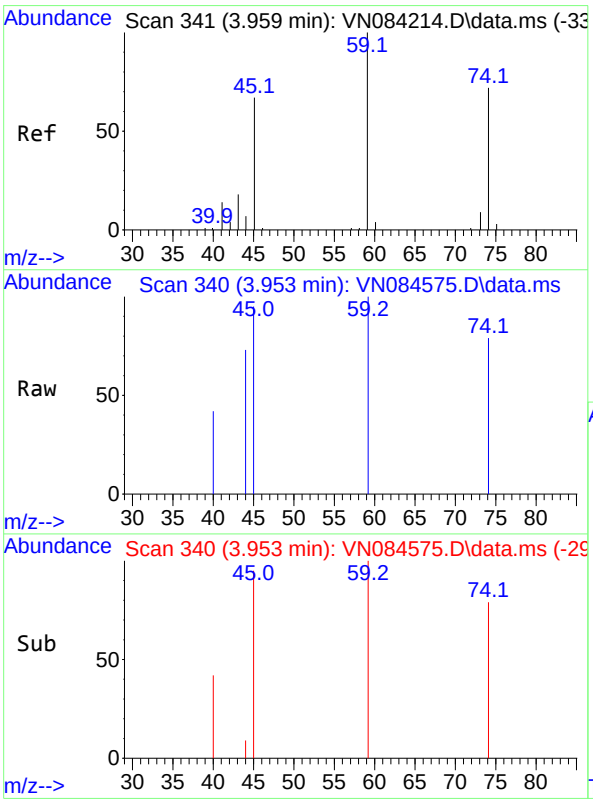
#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#

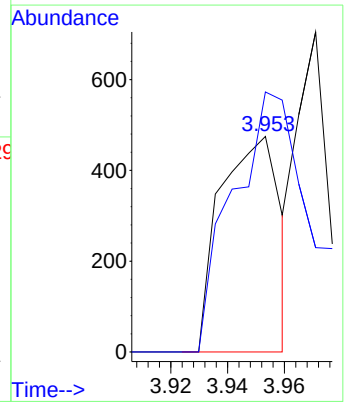


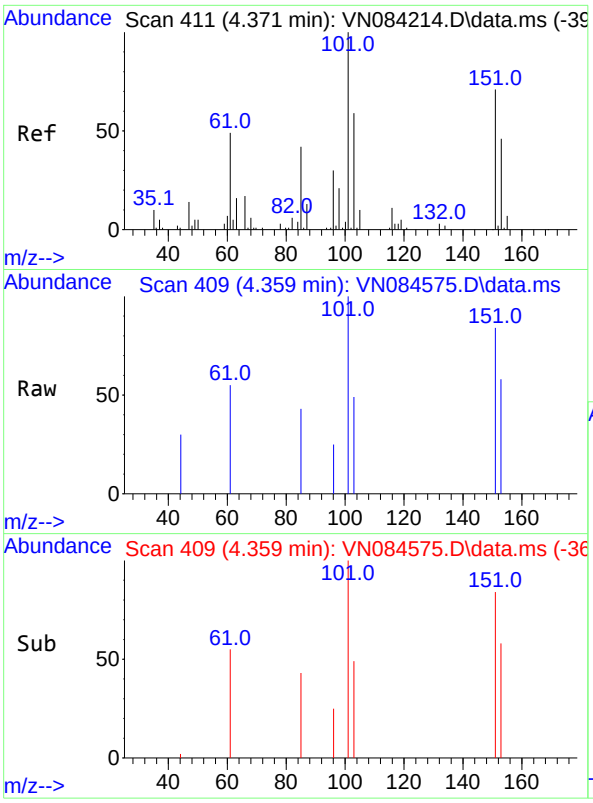


#8
Diethyl Ether
Concen: 0.570 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 74 Resp: 692

Ion	Ratio	Lower	Upper
74	100		
45	161.6	47.7	143.1#



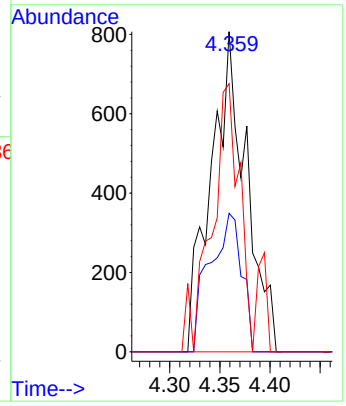


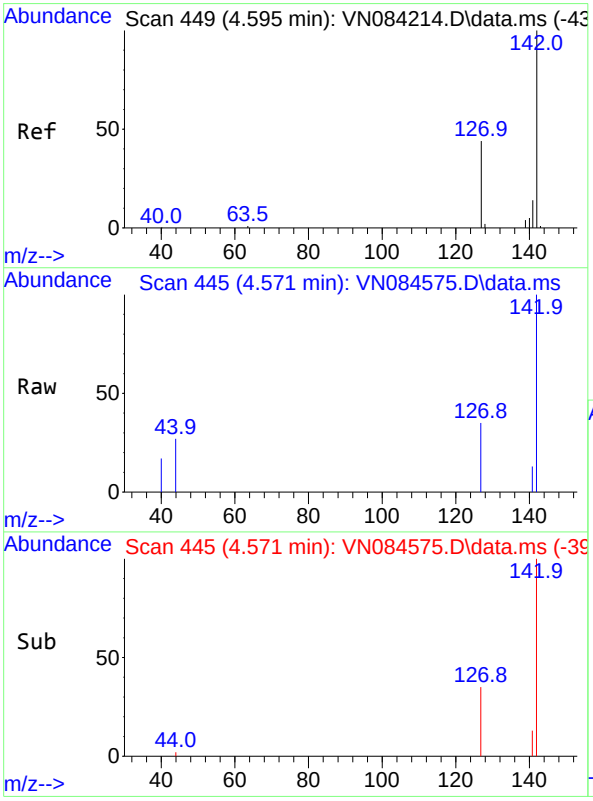
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1982

Ion	Ratio	Lower	Upper
101	100		
85	39.1	36.2	54.4
151	65.9	59.3	88.9

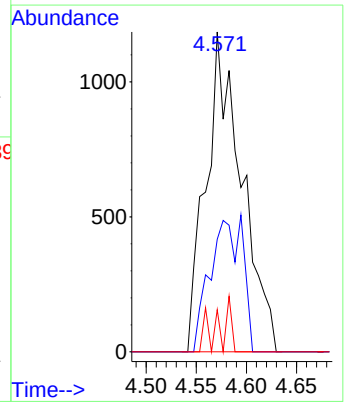


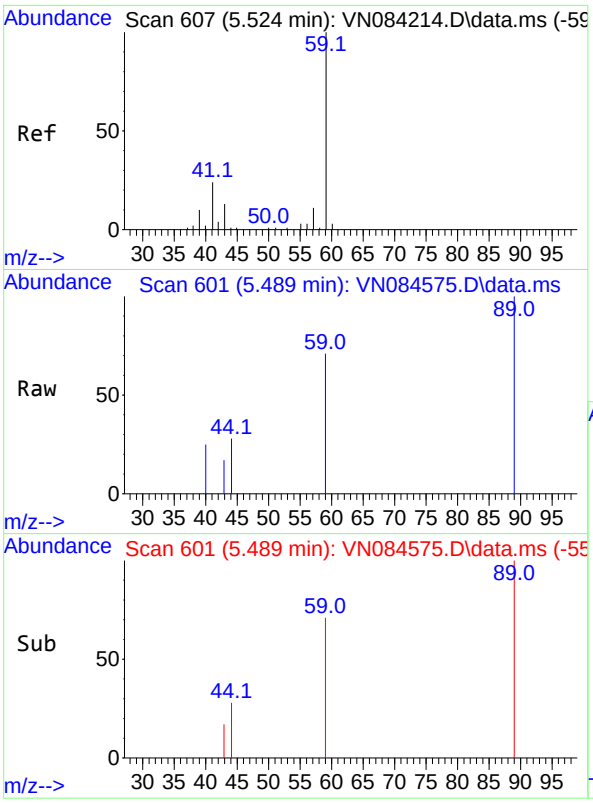


#10
Methyl Iodide
Concen: 1.121 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:142 Resp: 2914

Ion	Ratio	Lower	Upper
142	100		
127	35.2	35.3	52.9#
141	13.2	11.0	16.6



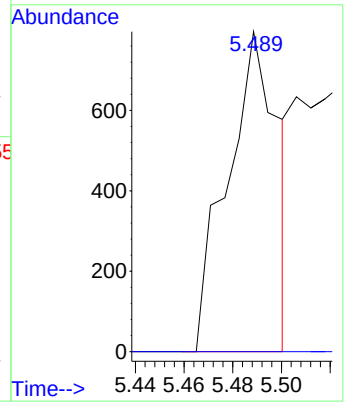


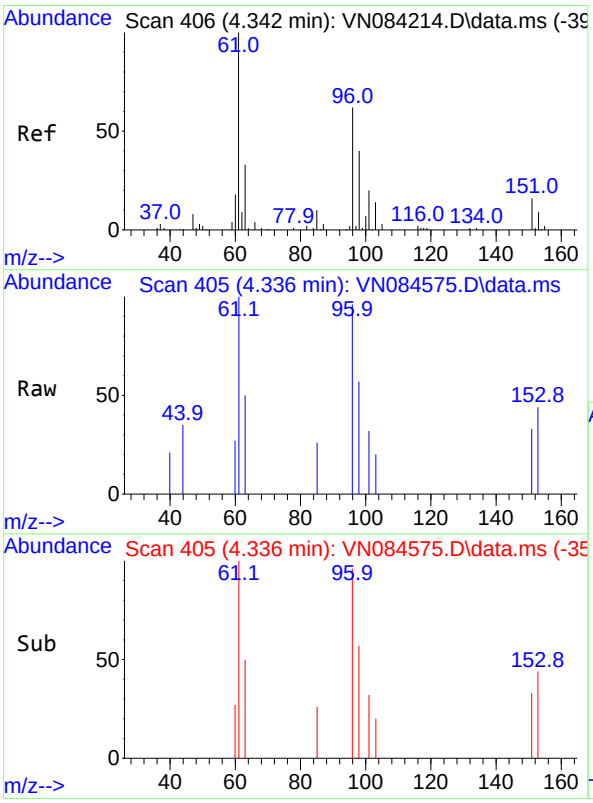
#11
Tert butyl alcohol
Concen: 3.557 ug/l
RT: 5.489 min Scan# 6
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1146

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

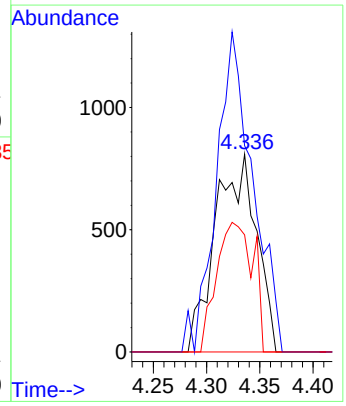


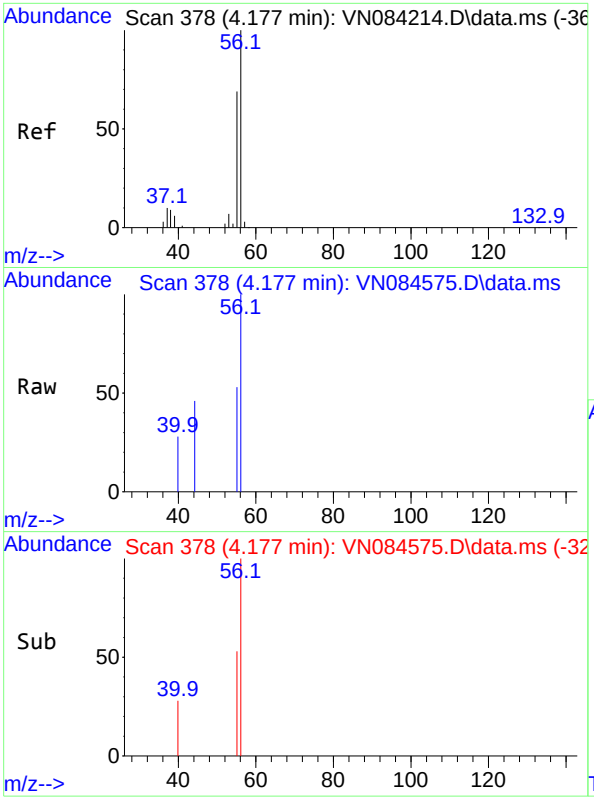


#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2177

Ion	Ratio	Lower	Upper
96	100		
61	104.3	128.6	192.8#
98	59.2	51.7	77.5



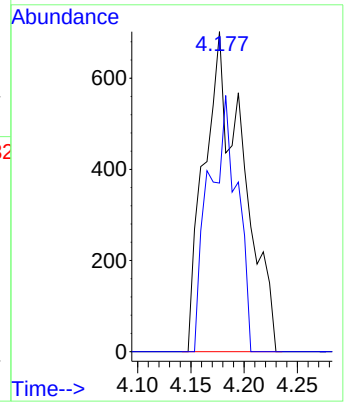


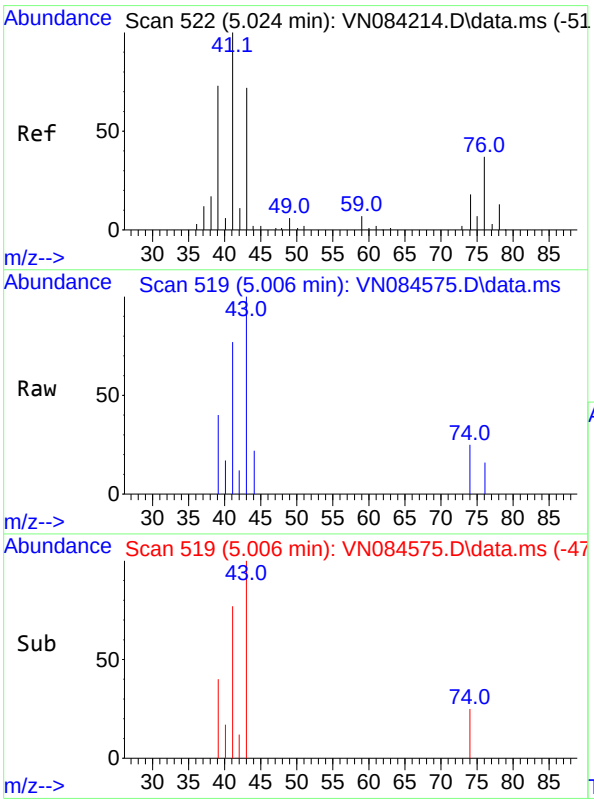
#13
Acrolein
Concen: 5.525 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1775

Ion	Ratio	Lower	Upper
56	100		
55	58.5	57.2	85.8

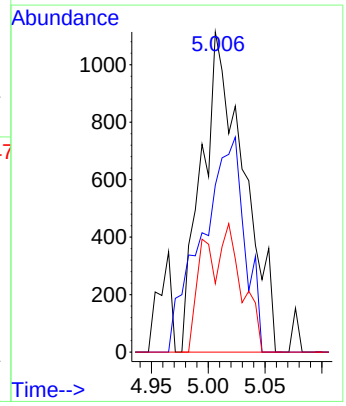


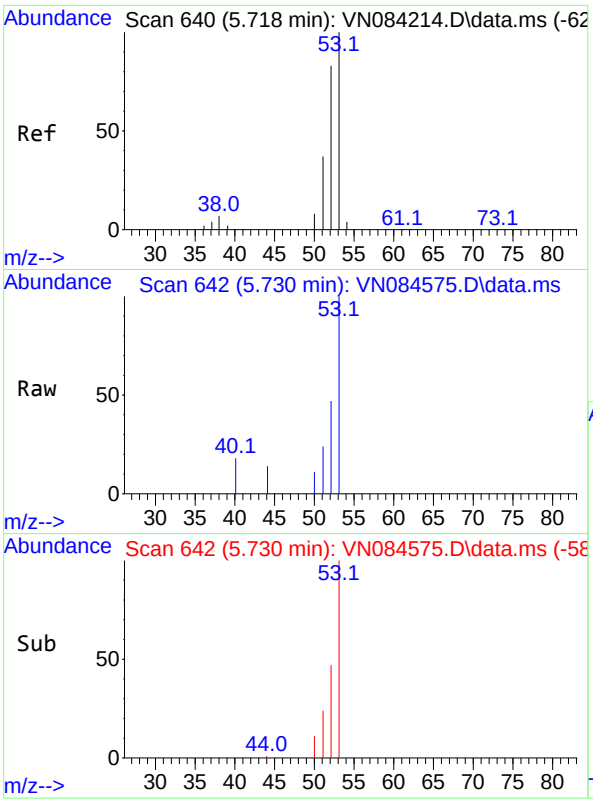


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 2869

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.0	88.6#
76	14.8	29.8	44.6#



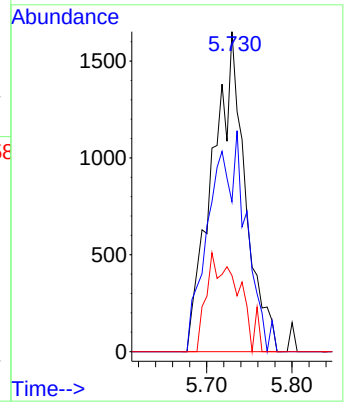


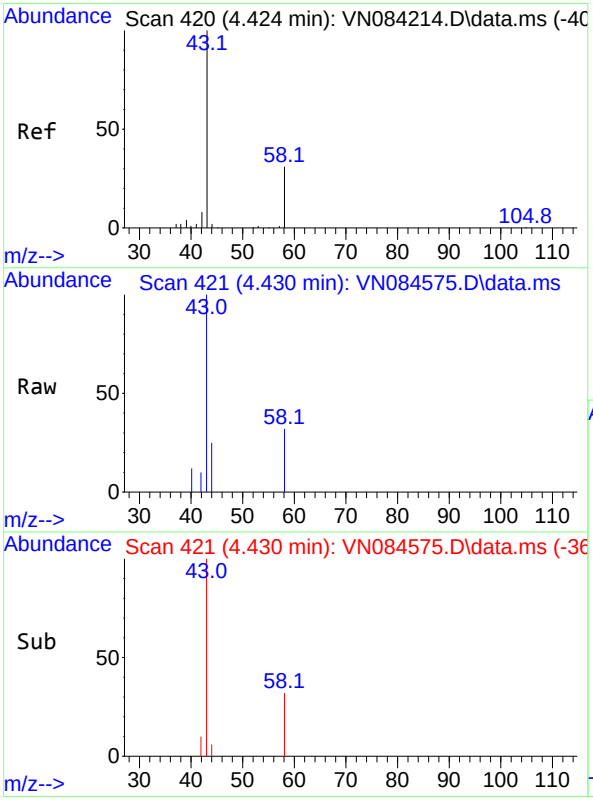
#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4443

Ion	Ratio	Lower	Upper
53	100		
52	48.3	66.2	99.4#
51	0.0	28.8	43.2#

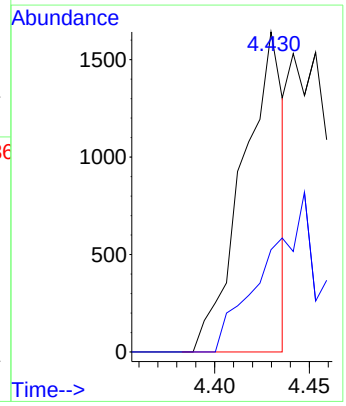


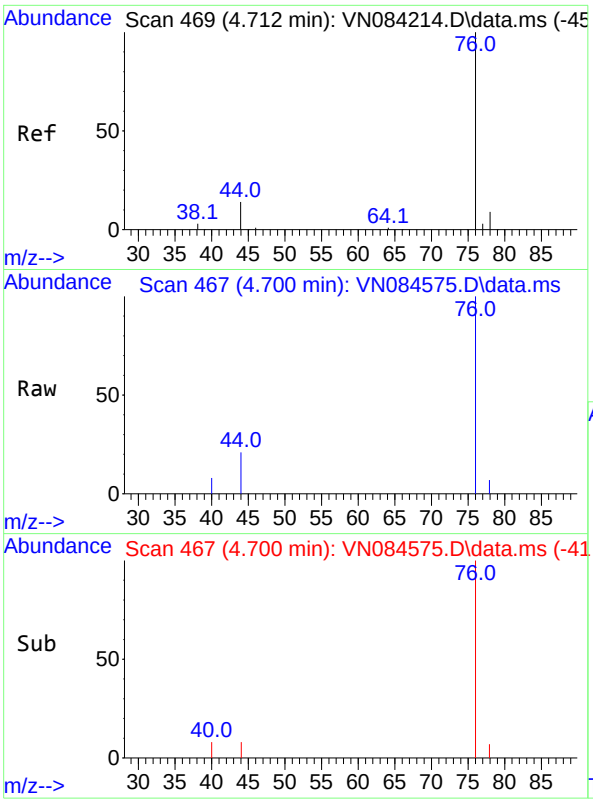


#16
Acetone
Concen: 0.614 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2439

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6



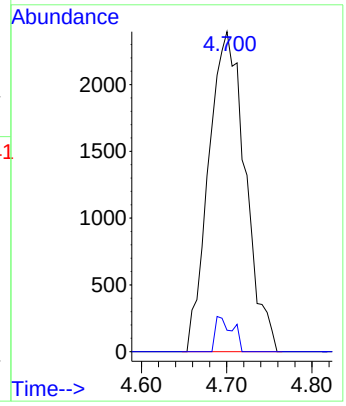


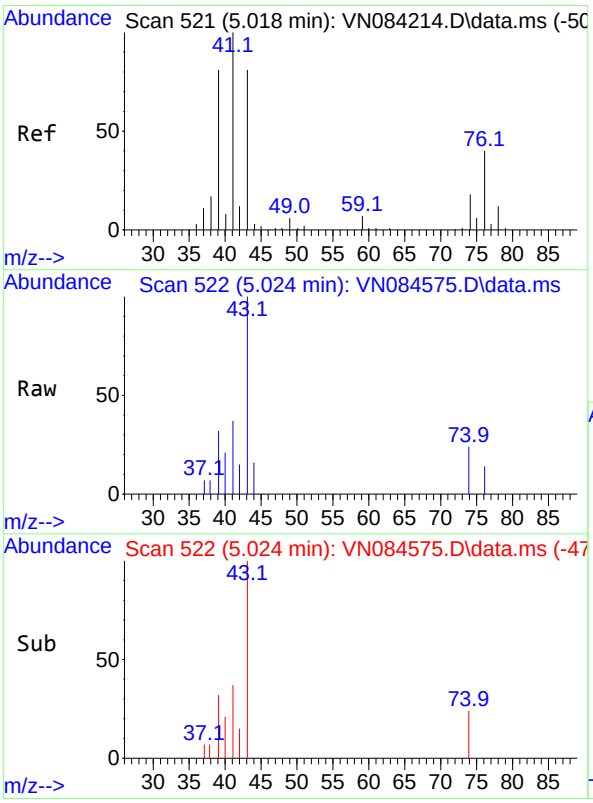
#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7155

Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

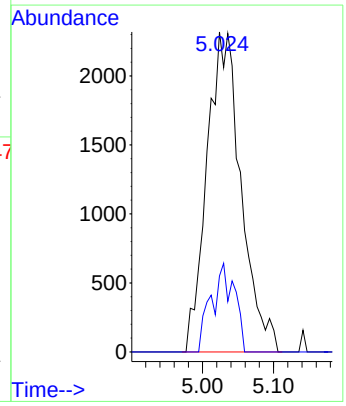


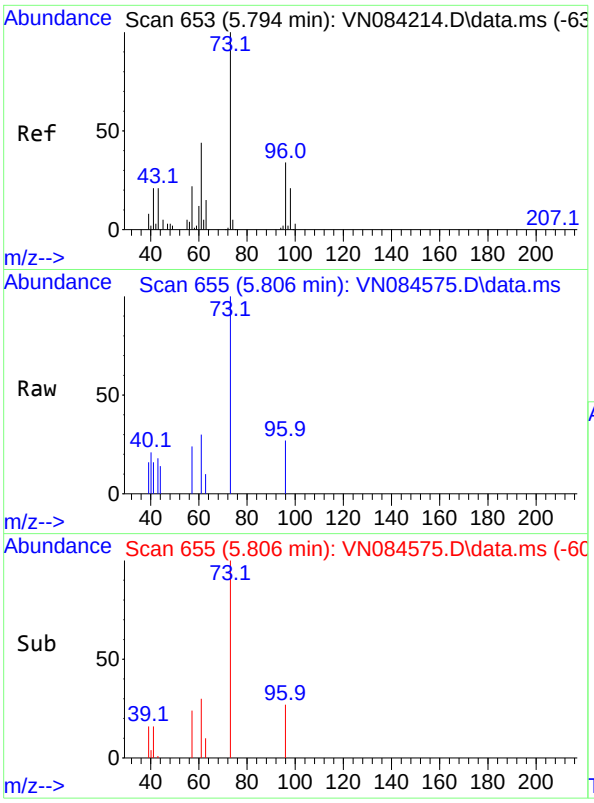


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#



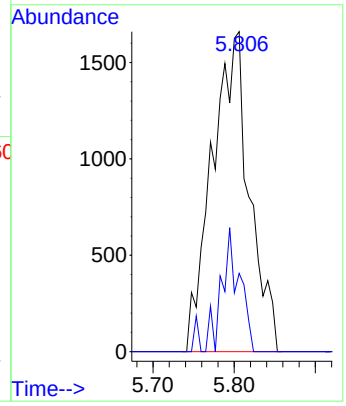


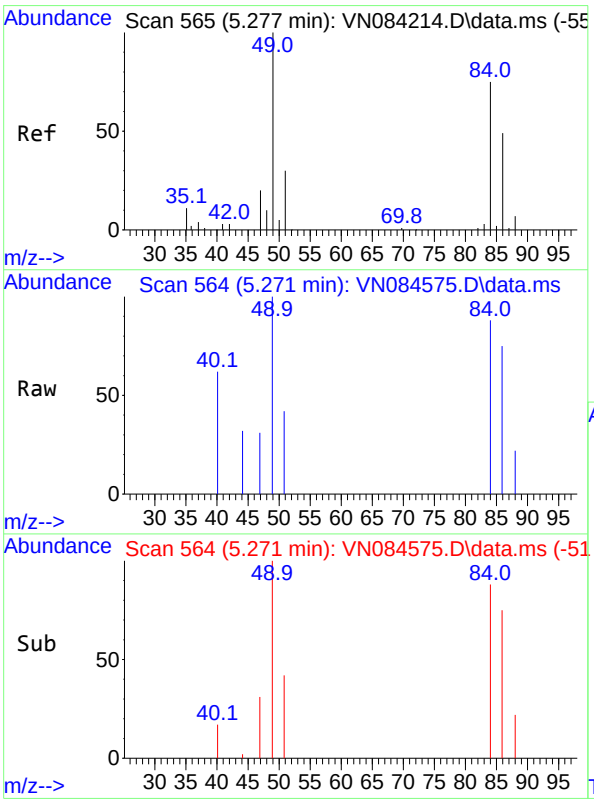
#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5314

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5

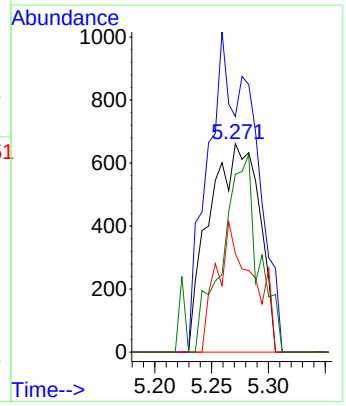


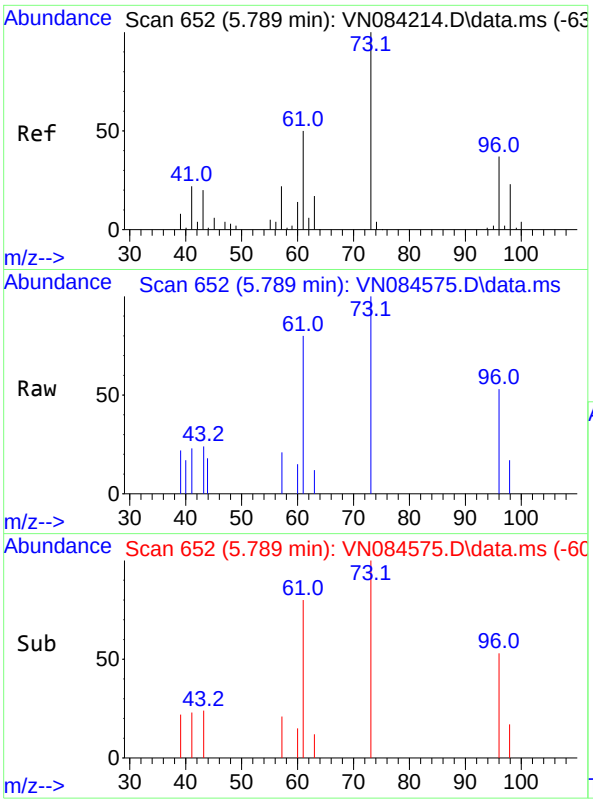


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 84 Resp: 2029

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	47.4	31.8	47.8
86	85.3	52.9	79.3#



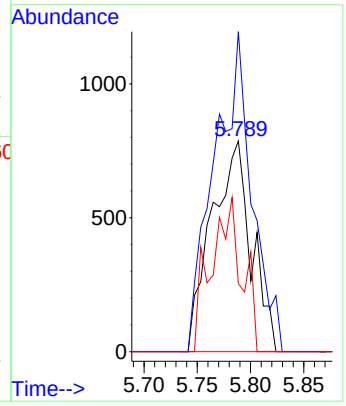


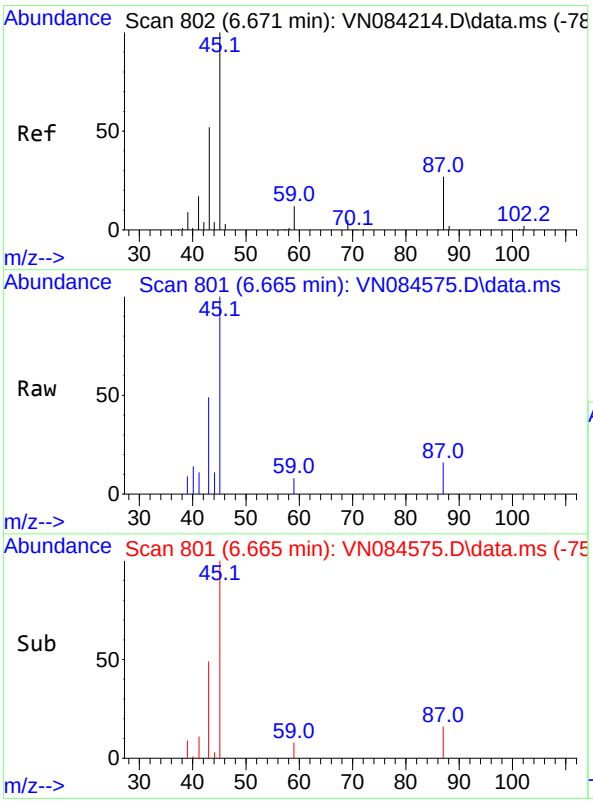
#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2030

Ion	Ratio	Lower	Upper
96	100		
61	151.8	108.4	162.6
98	32.3	49.8	74.8#

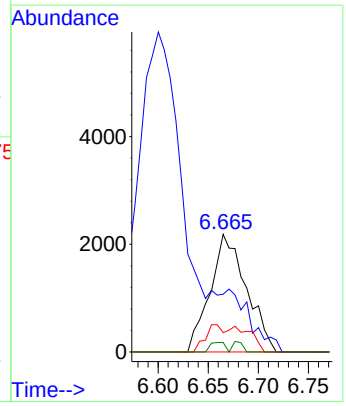


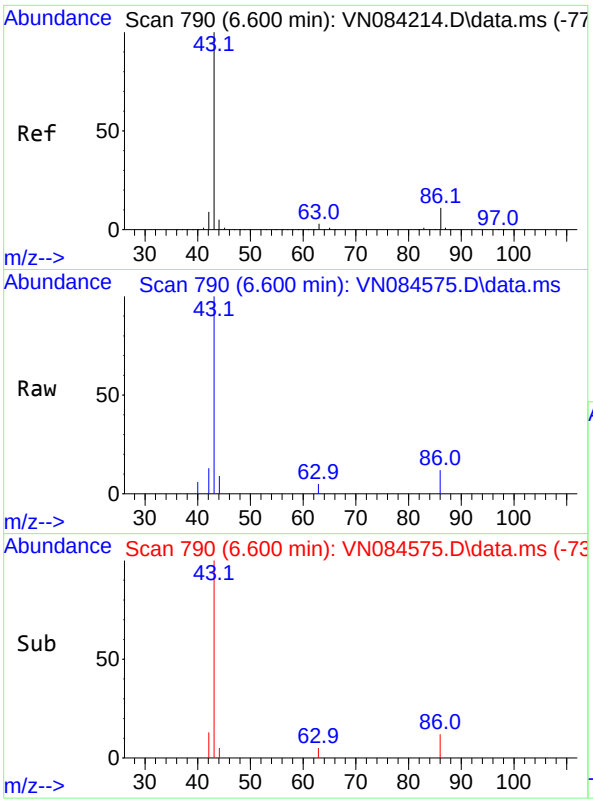


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 45 Resp: 5485

Ion	Ratio	Lower	Upper
45	100		
43	49.1	42.3	63.5
87	16.4	21.8	32.6#
59	8.0	9.6	14.4#



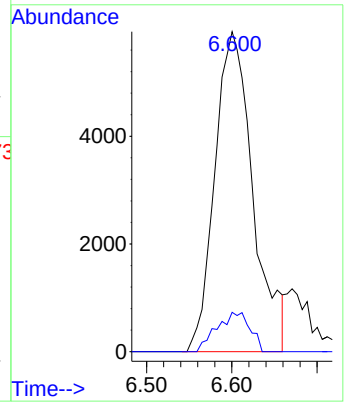


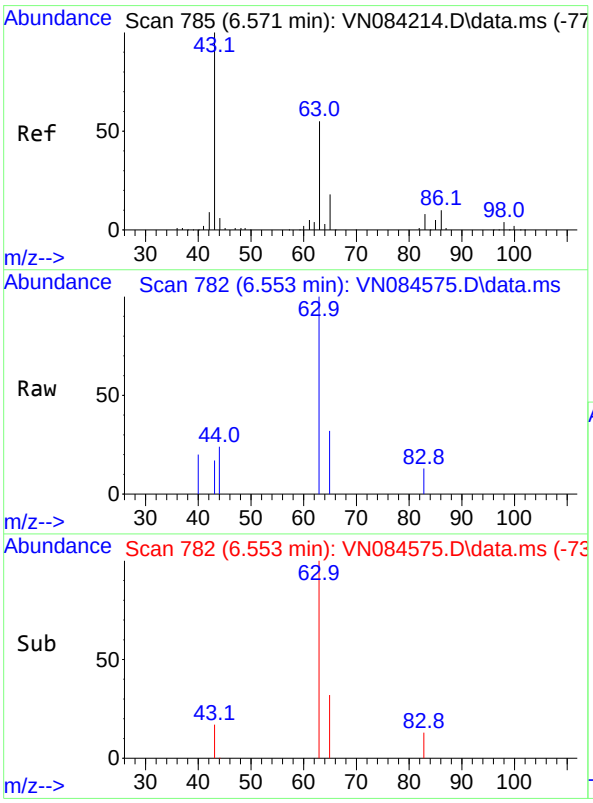
#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18413

Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8

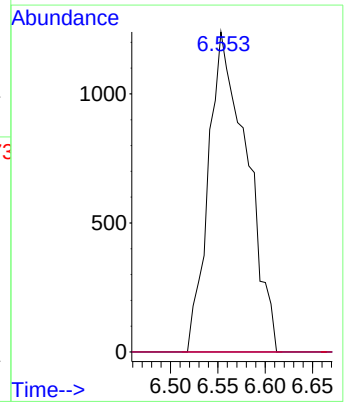


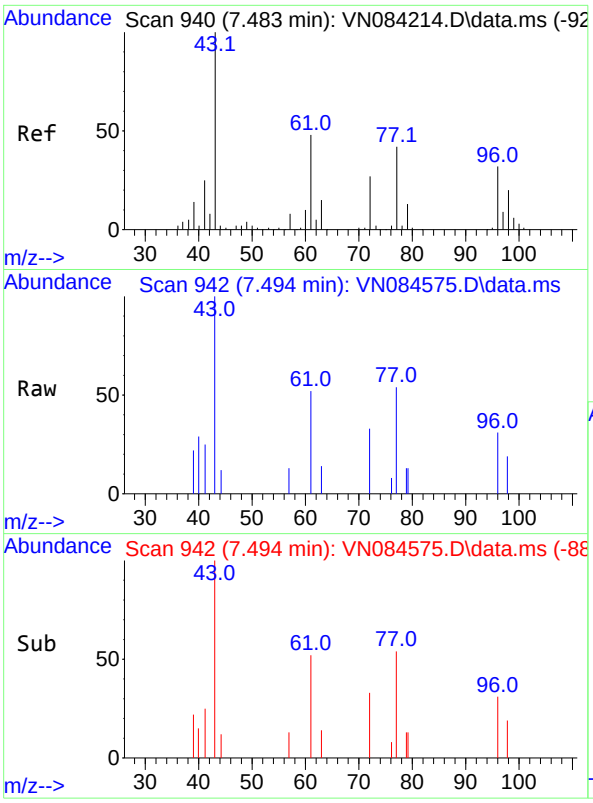


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 3491

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	5.8#



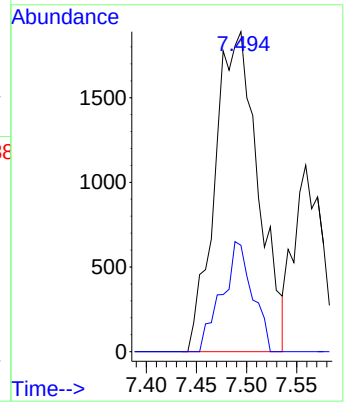


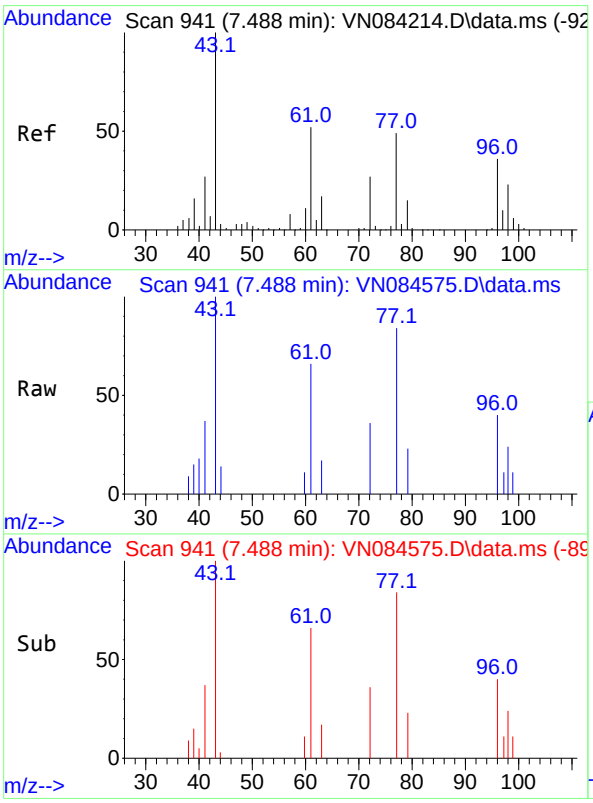
#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5644

Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#

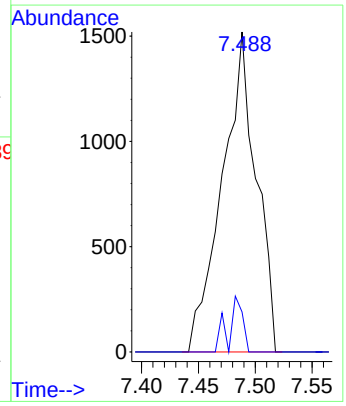


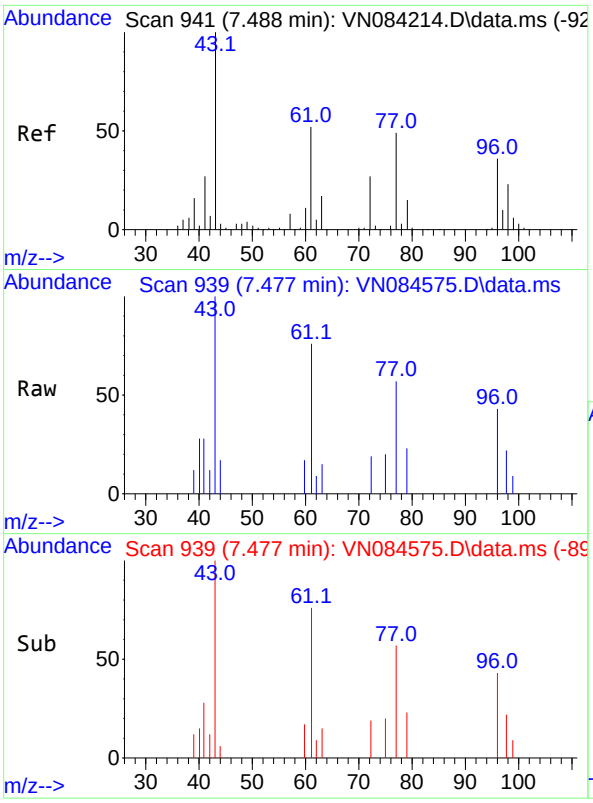


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#



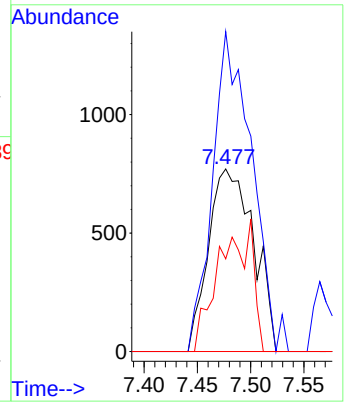


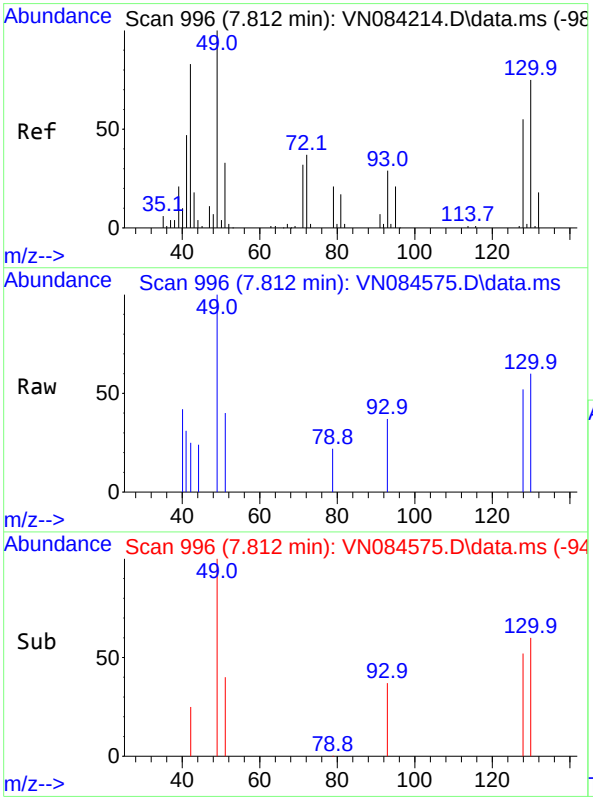
#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2275

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	301.8
98	0.0	0.0	128.2

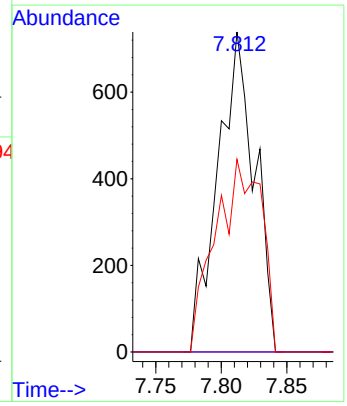


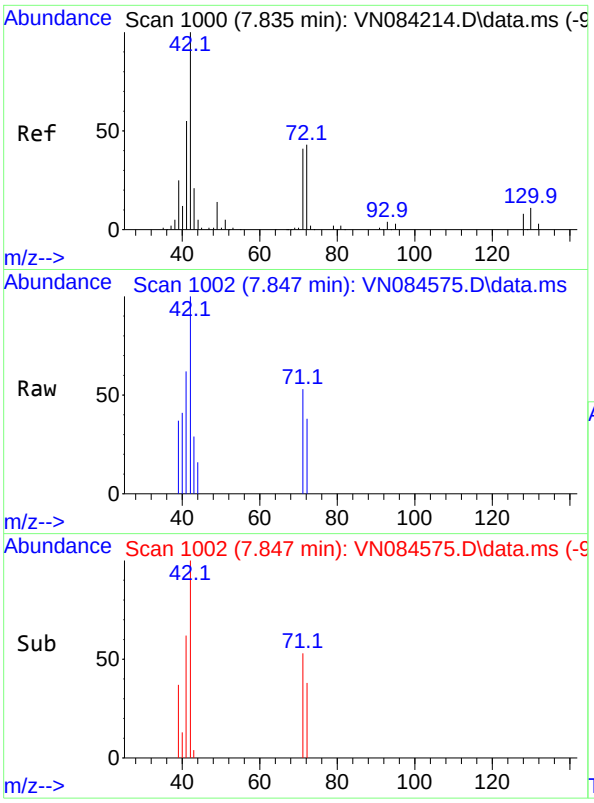


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 49 Resp: 1450

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	74.9	58.0	87.0



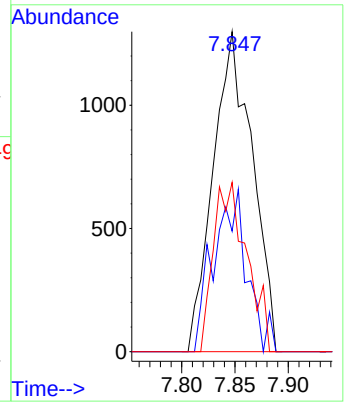


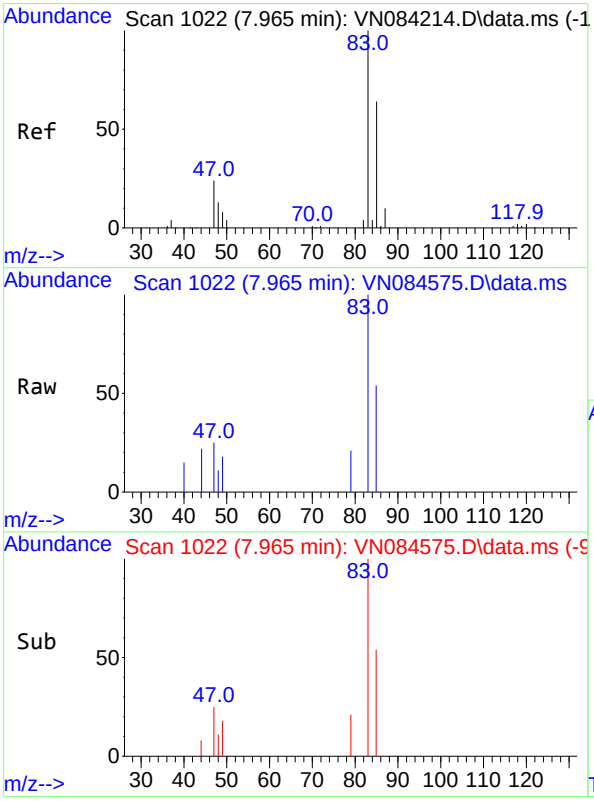
#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 3321

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	45.0	32.2	48.4

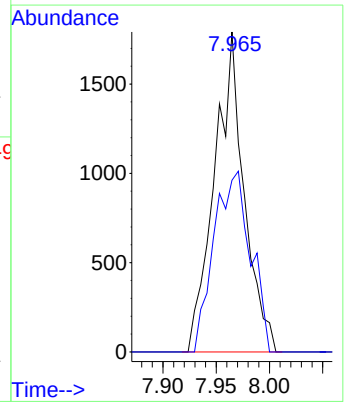


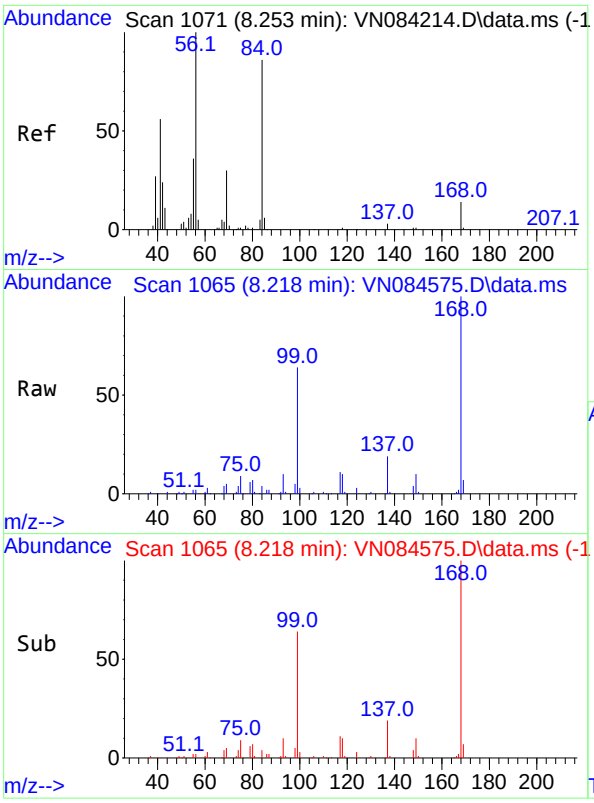


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4



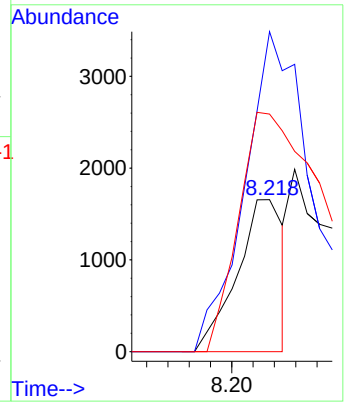


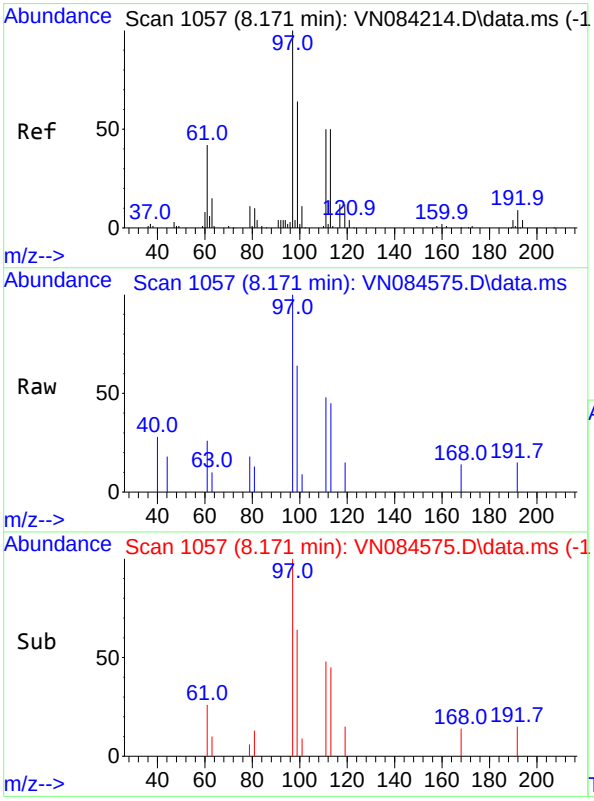
#31
Cyclohexane
Concen: 0.740 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2493

Ion	Ratio	Lower	Upper
56	100		
69	210.6	23.8	35.6#
84	156.3	68.8	103.2#

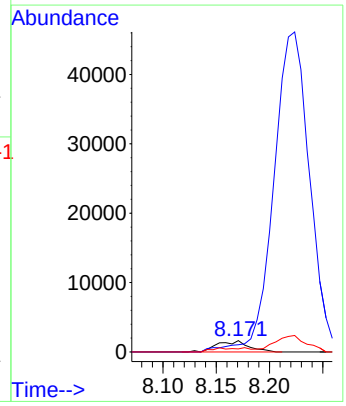


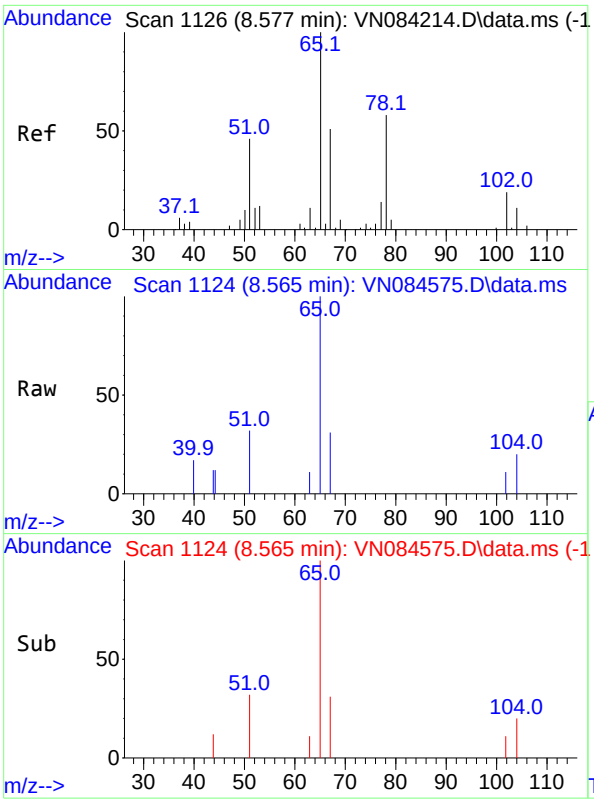


#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 3312

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	17.9	37.5	56.3#



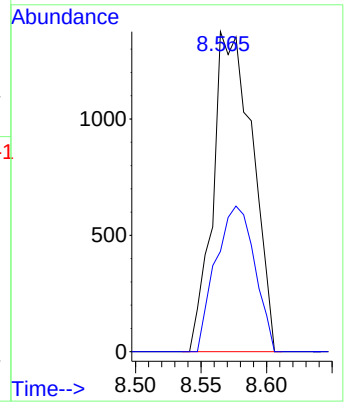


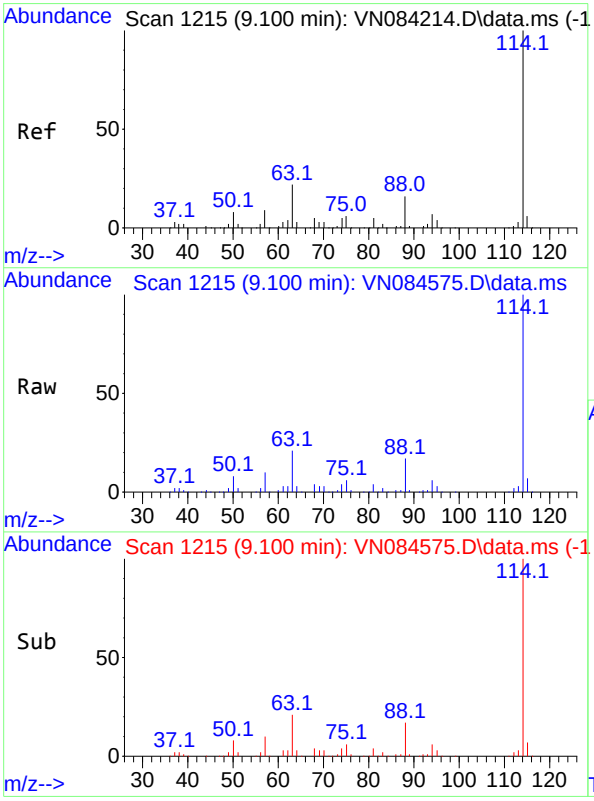
#33
1,2-Dichloroethane-d4
Concen: 1.177 ug/l
RT: 8.565 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2874

Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	102.0

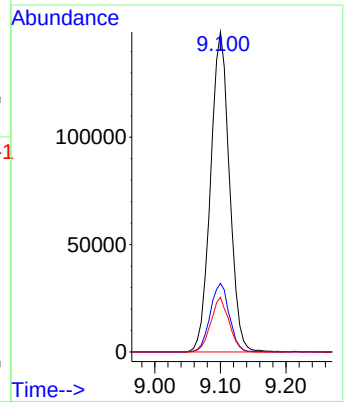


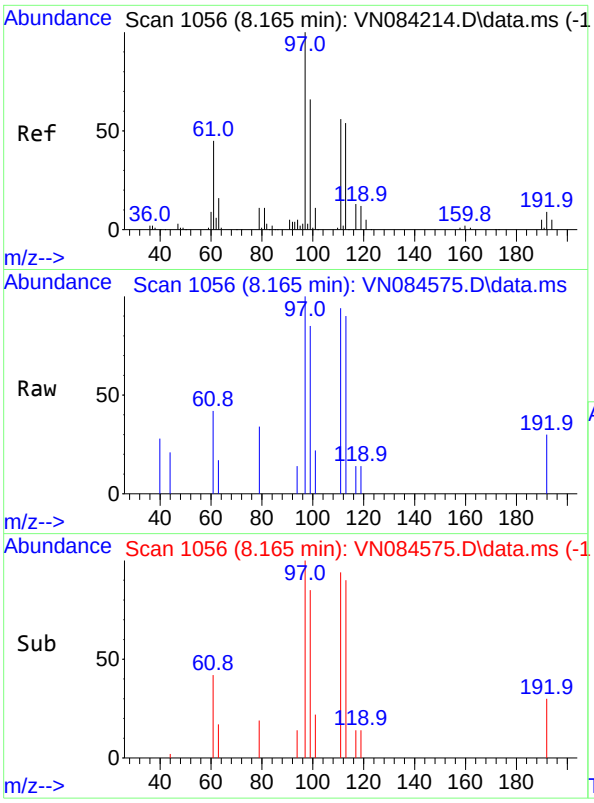


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:114 Resp: 297772

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.1	0.0	31.6



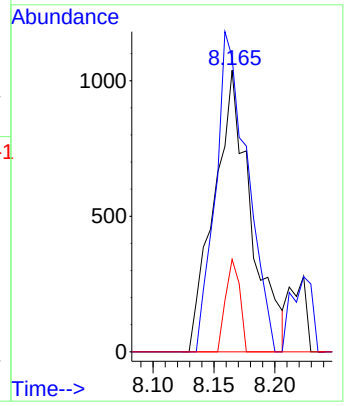


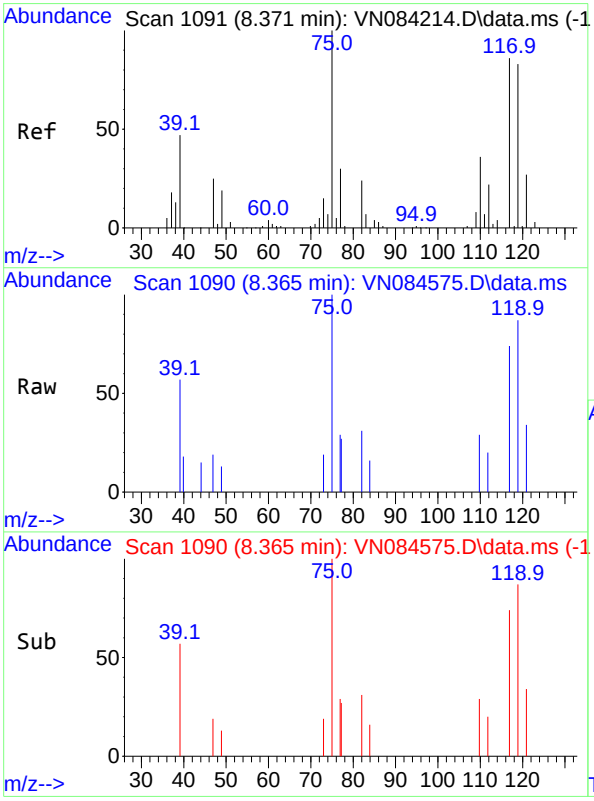
#35
Dibromofluoromethane
Concen: 1.083 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2182

Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.3	124.9
192	12.6	13.5	20.3#

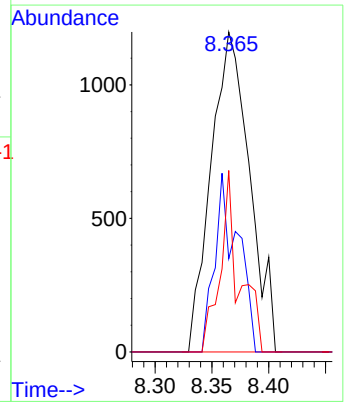


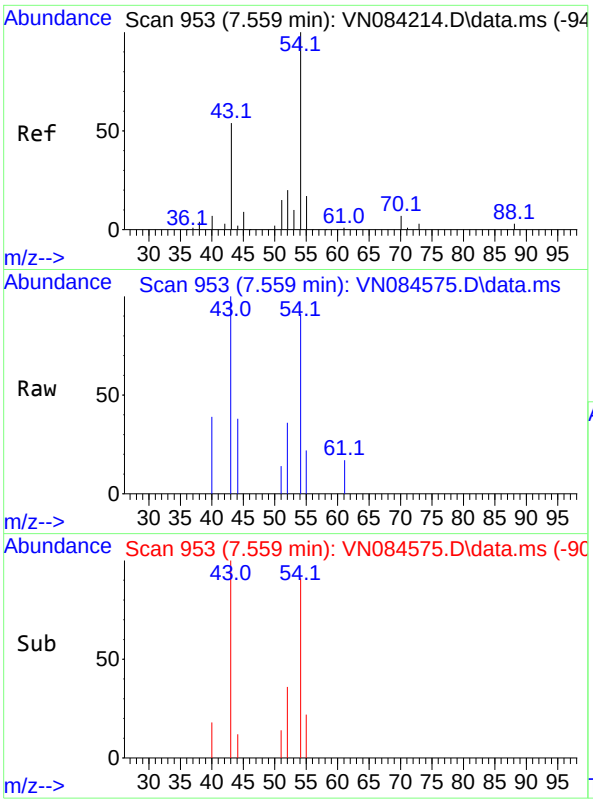


#36
1,1-Dichloropropene
Concen: 1.011 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2825

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	28.1	24.7	37.1



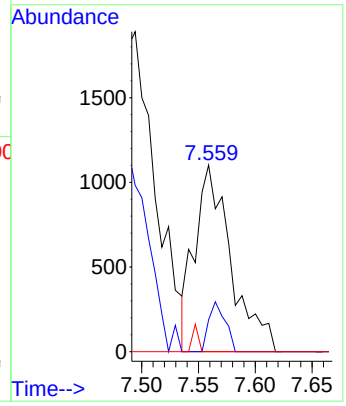


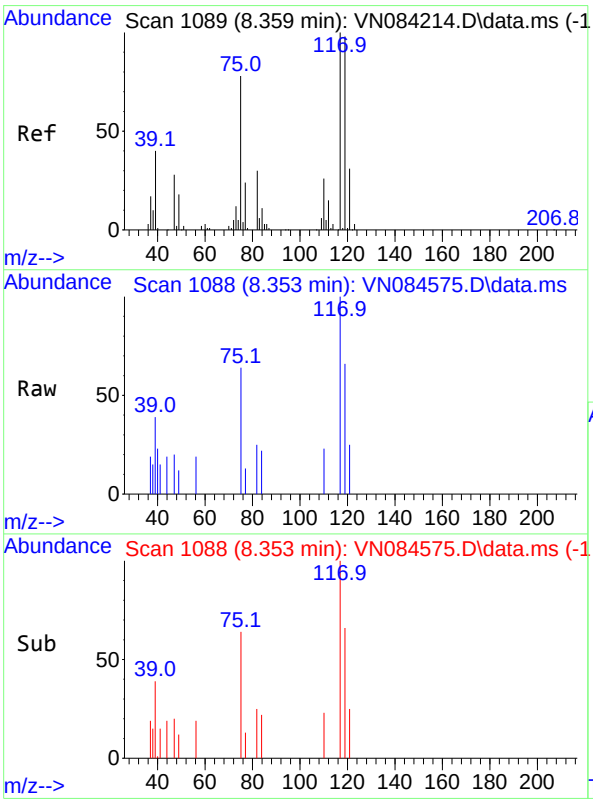
#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2440

Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	2.3	8.8	13.2#

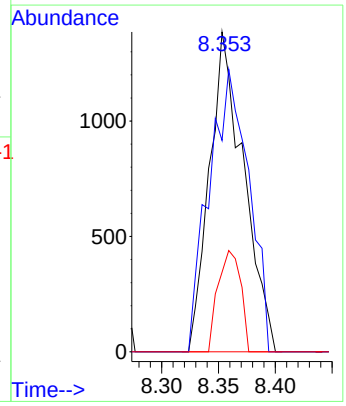


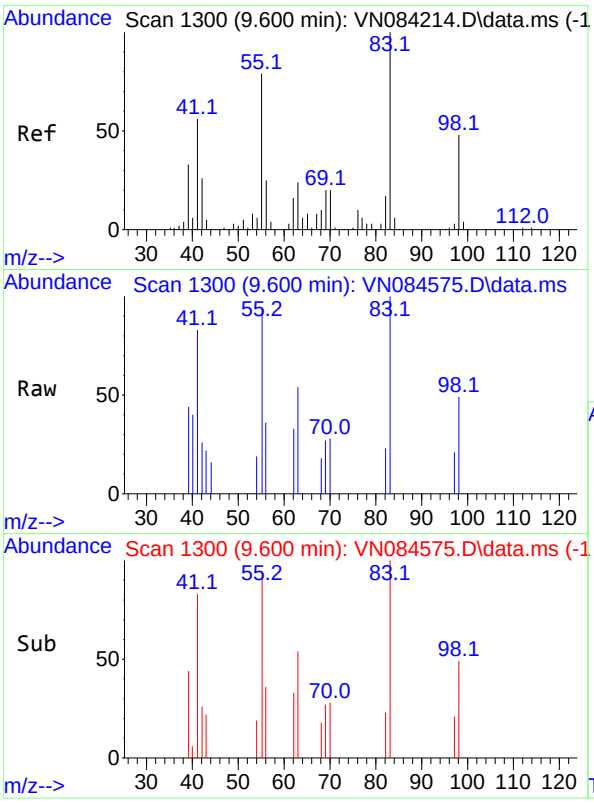


#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 2904

Ion	Ratio	Lower	Upper
117	100		
119	66.1	78.7	118.1#
121	24.9	24.4	36.6



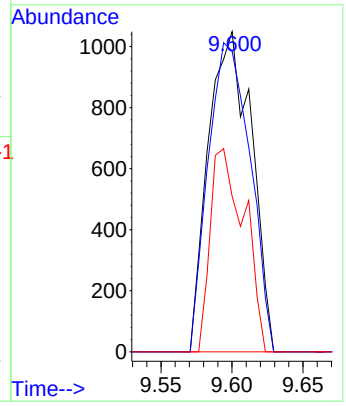


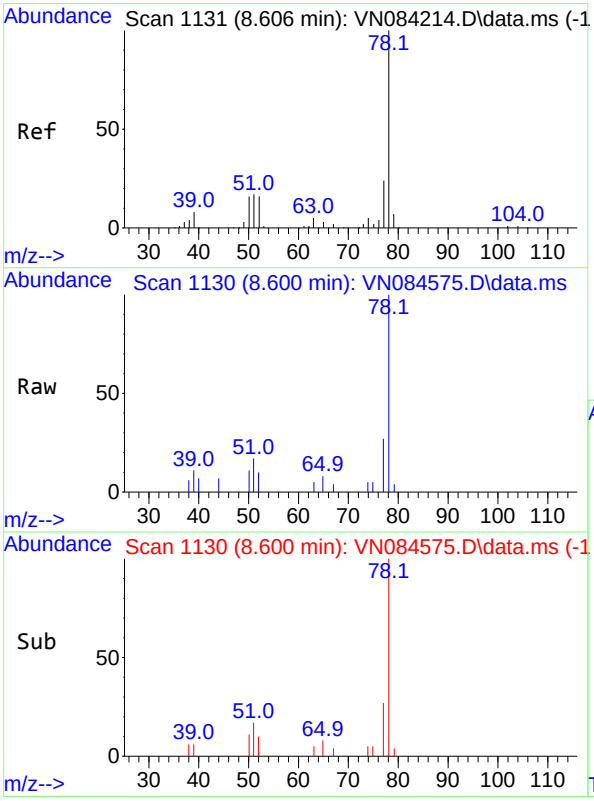
#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2212

Ion	Ratio	Lower	Upper
83	100		
55	93.9	62.8	94.2
98	48.6	38.8	58.2

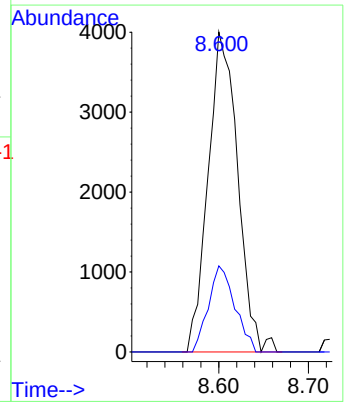


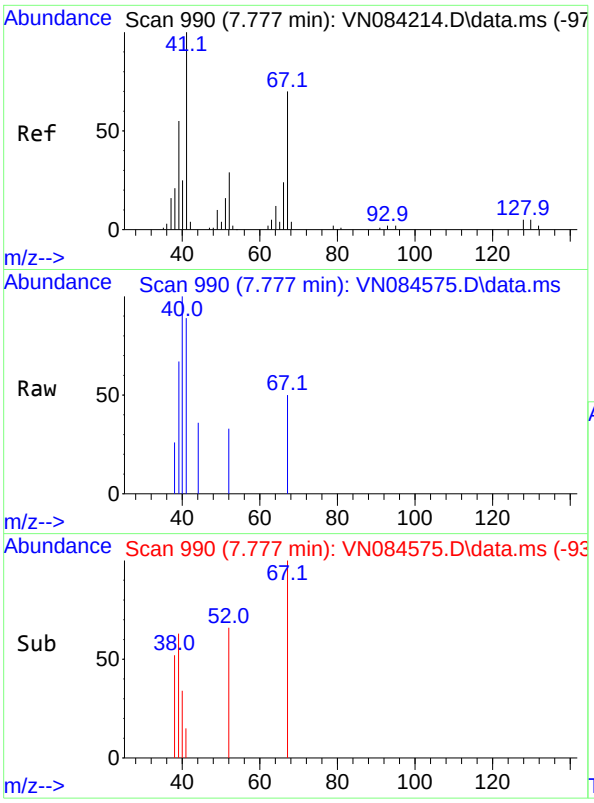


#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



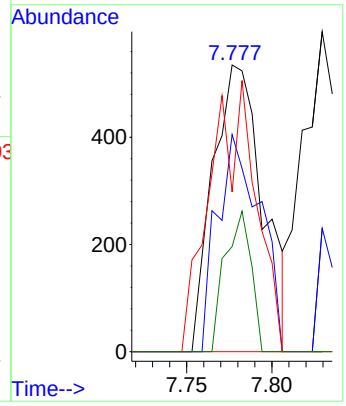


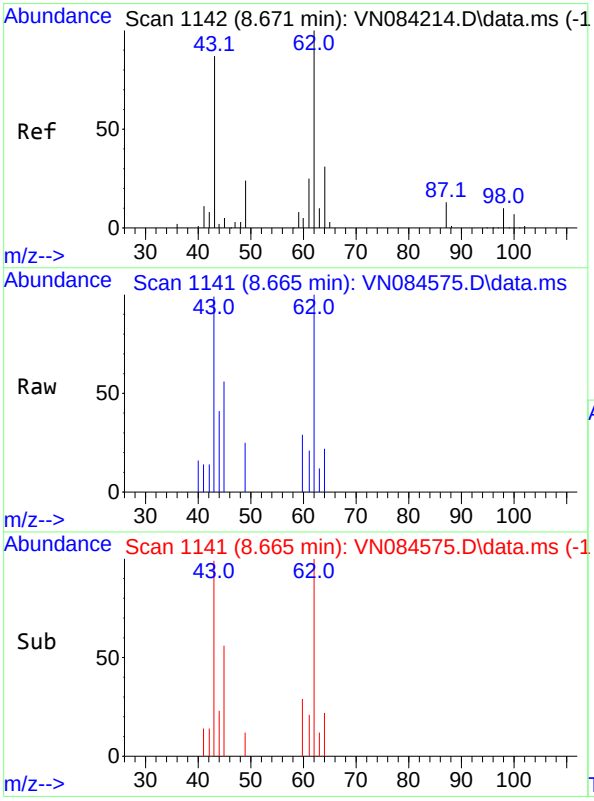
#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1095

Ion	Ratio	Lower	Upper
41	100		
39	64.7	43.3	64.9
67	86.7	56.1	84.1#
52	25.5	24.5	36.7

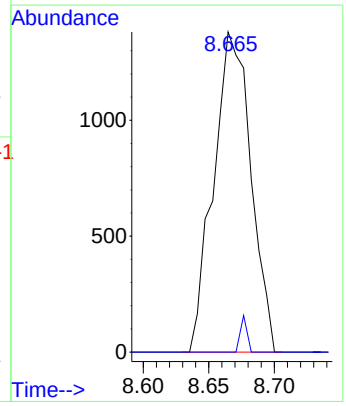


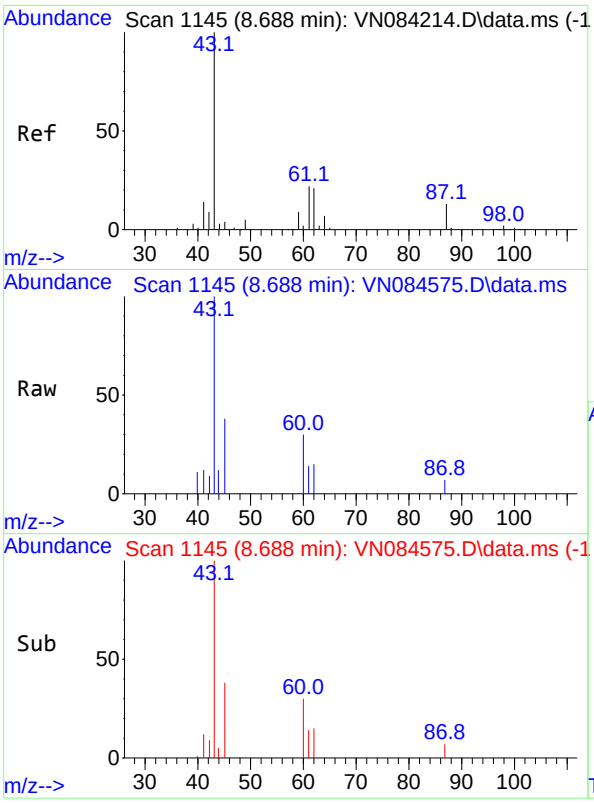


#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



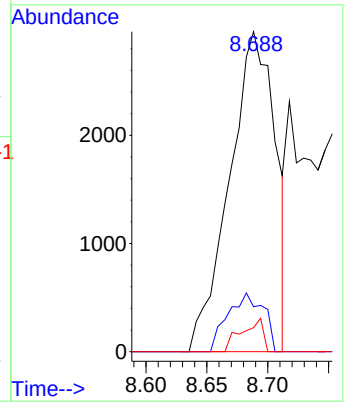


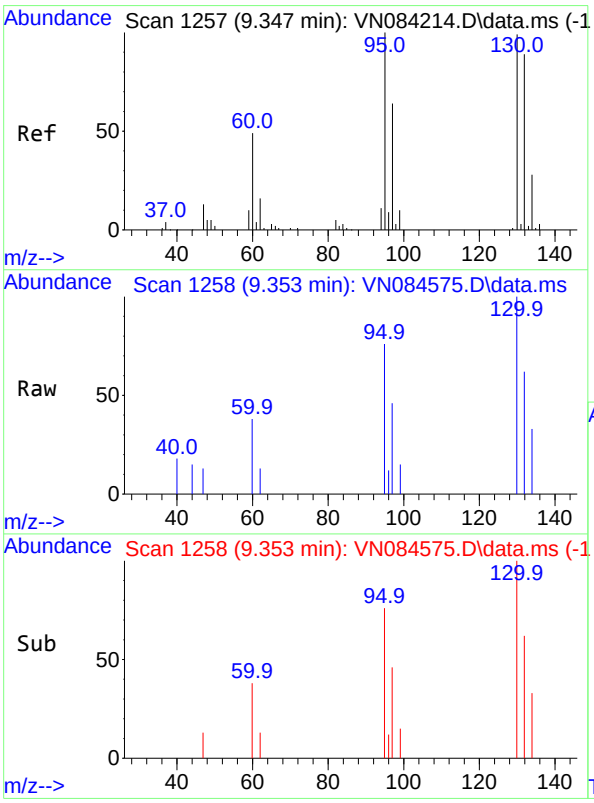
#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7724

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	4.9	10.3	15.5#

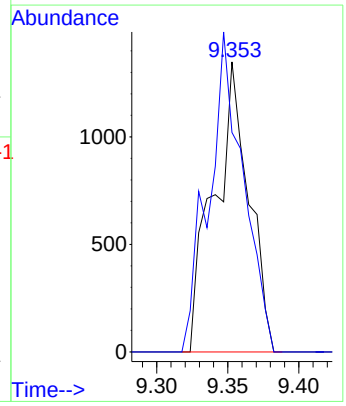


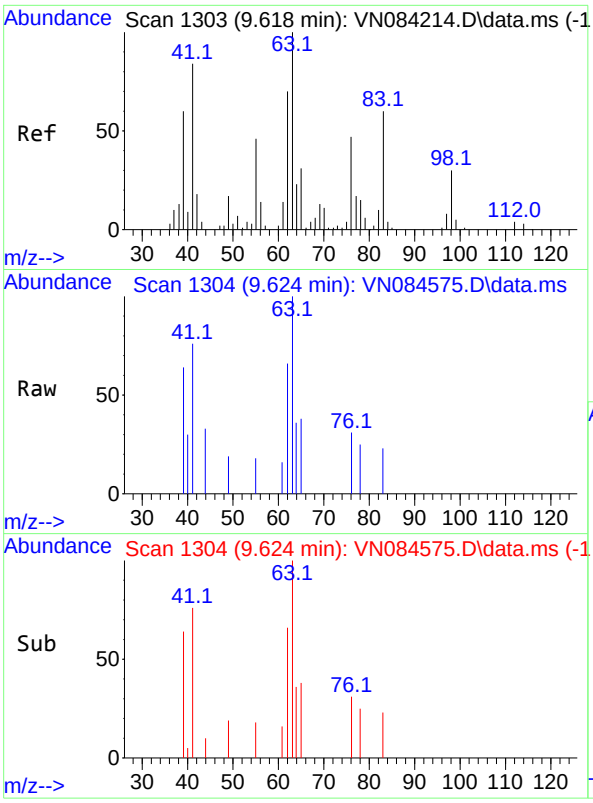


#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



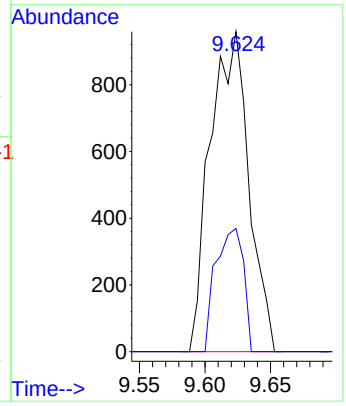


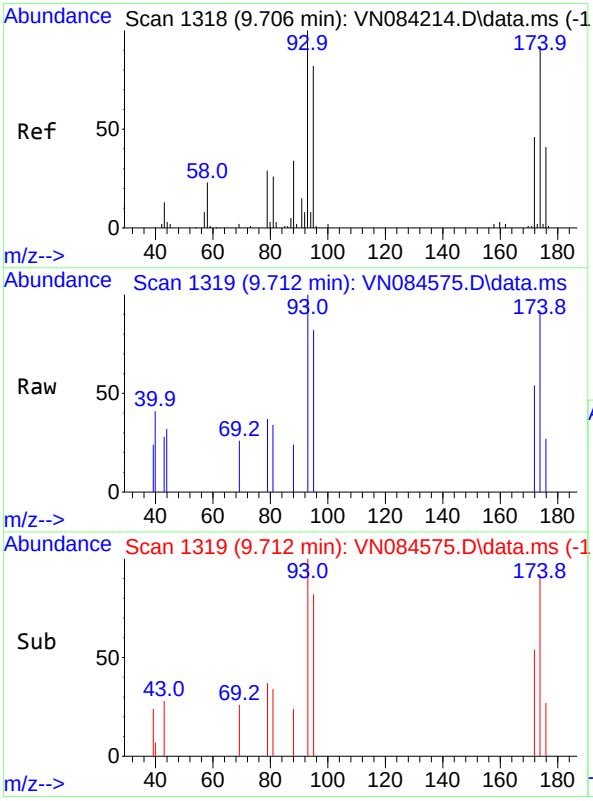
#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

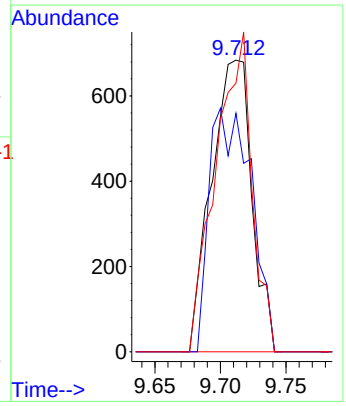


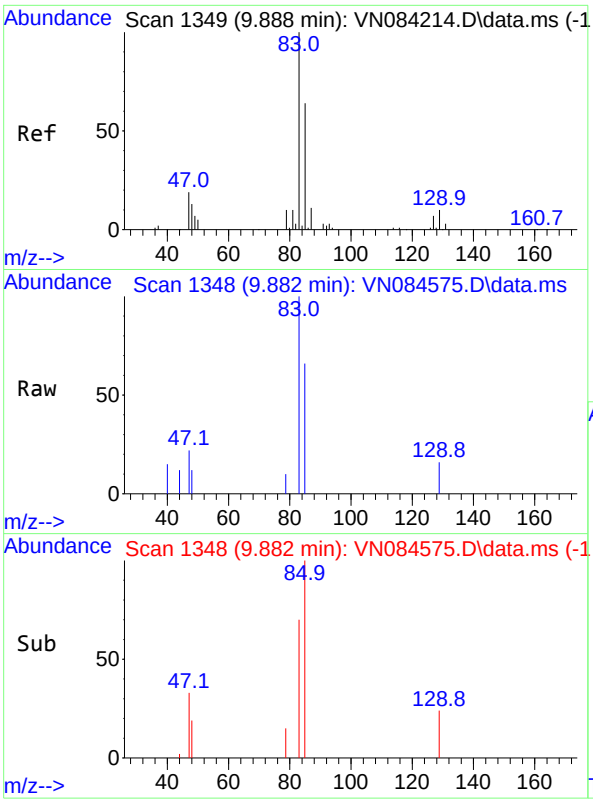


#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 93 Resp: 1472

Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.4
174	97.5	71.8	107.8



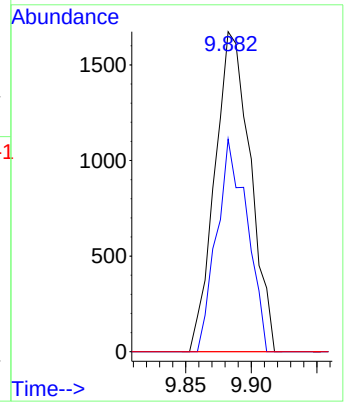


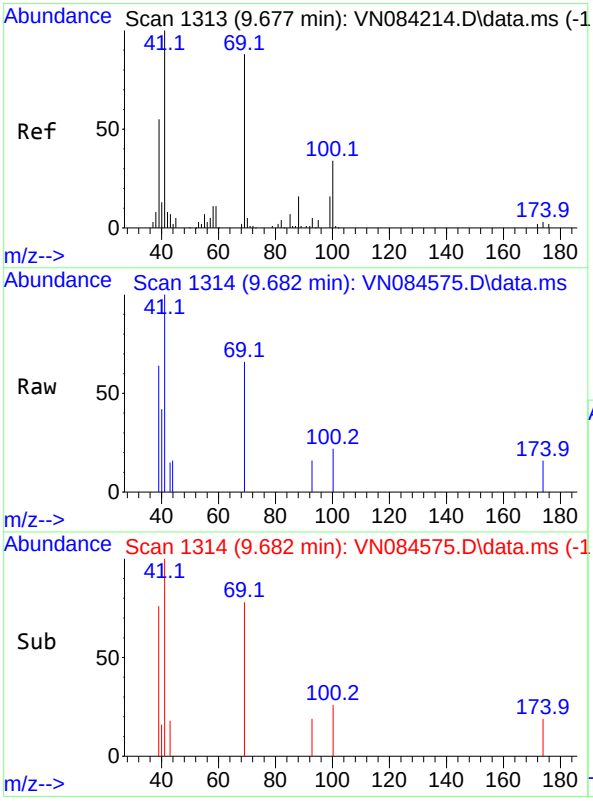
#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3156

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3
127	0.0	5.7	8.5#

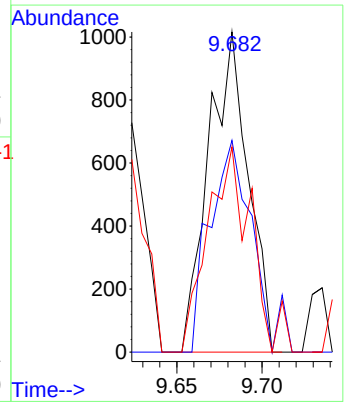


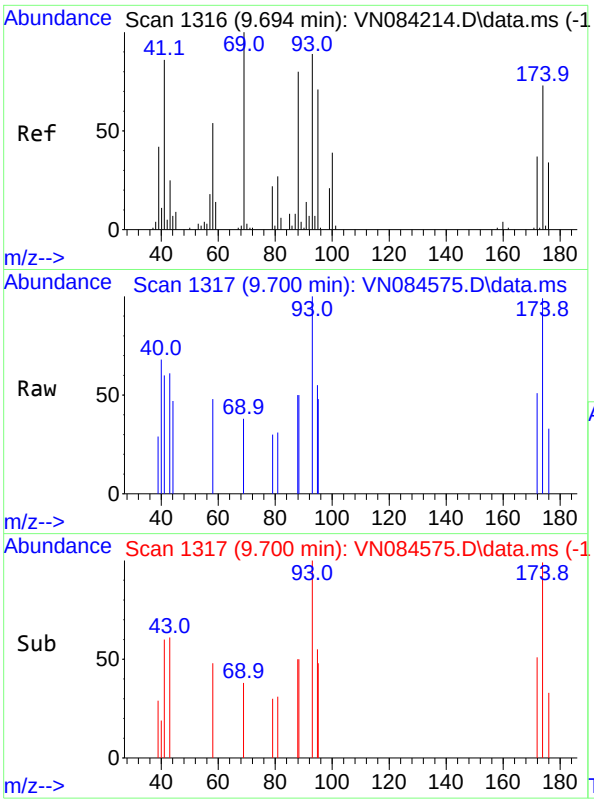


#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1652

Ion	Ratio	Lower	Upper
41	100		
69	71.3	67.1	100.7
39	70.6	45.8	68.6#



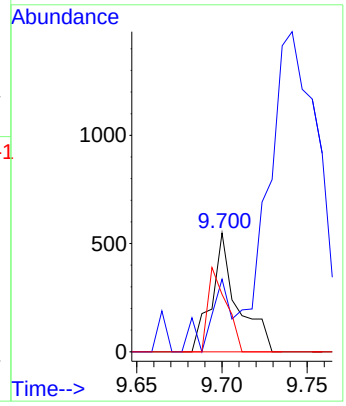


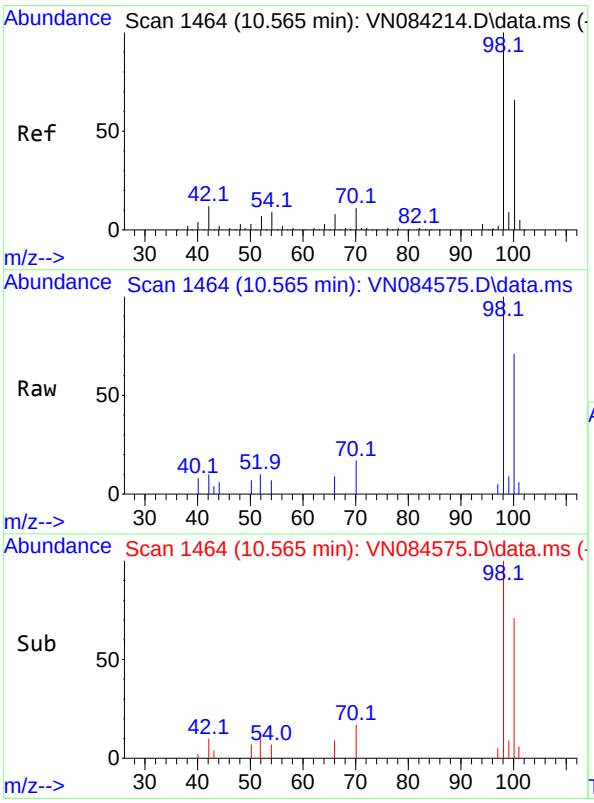
#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 576

Ion	Ratio	Lower	Upper
88	100		
43	49.8	25.3	37.9#
58	50.7	56.4	84.6#

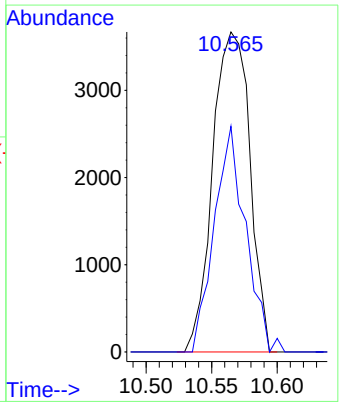


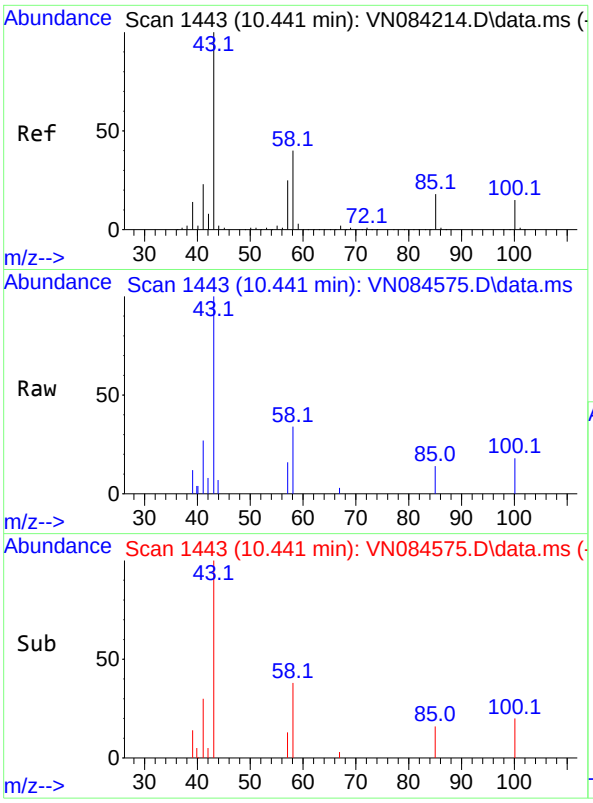


#50
Toluene-d8
Concen: 0.977 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 98 Resp: 7251

Ion	Ratio	Lower	Upper
98	100		
100	59.5	52.7	79.1



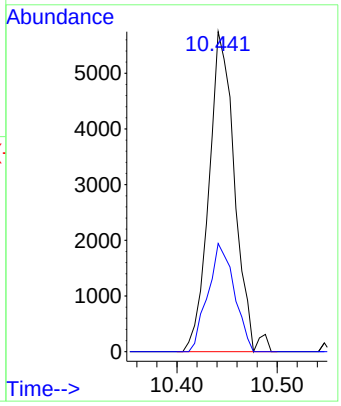


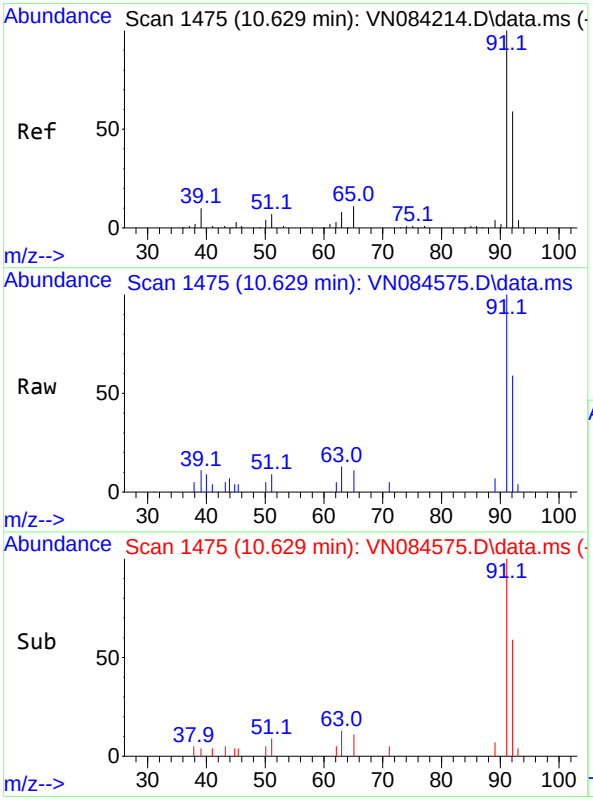
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4

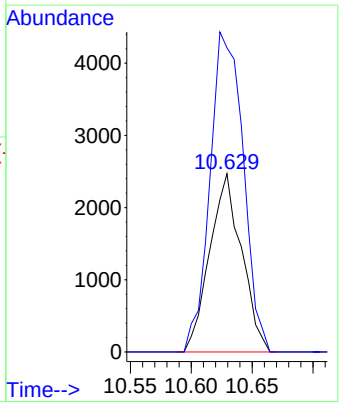


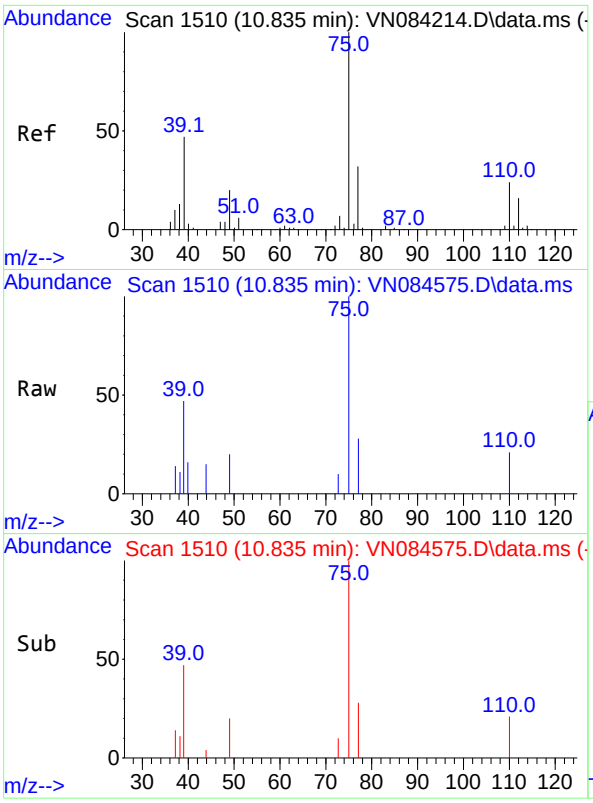


#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



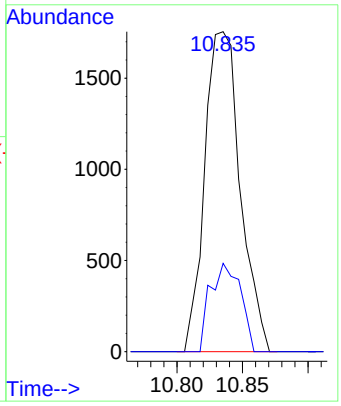


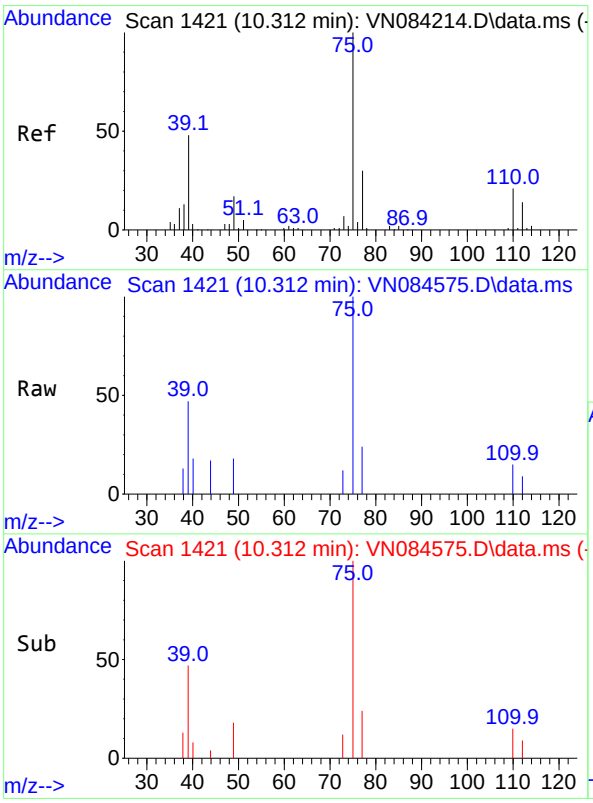
#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

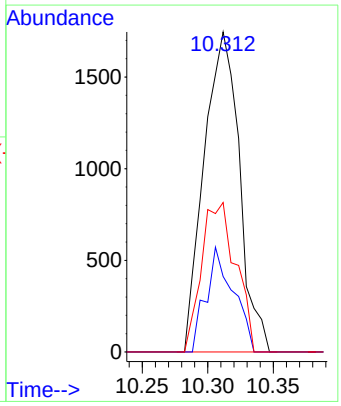


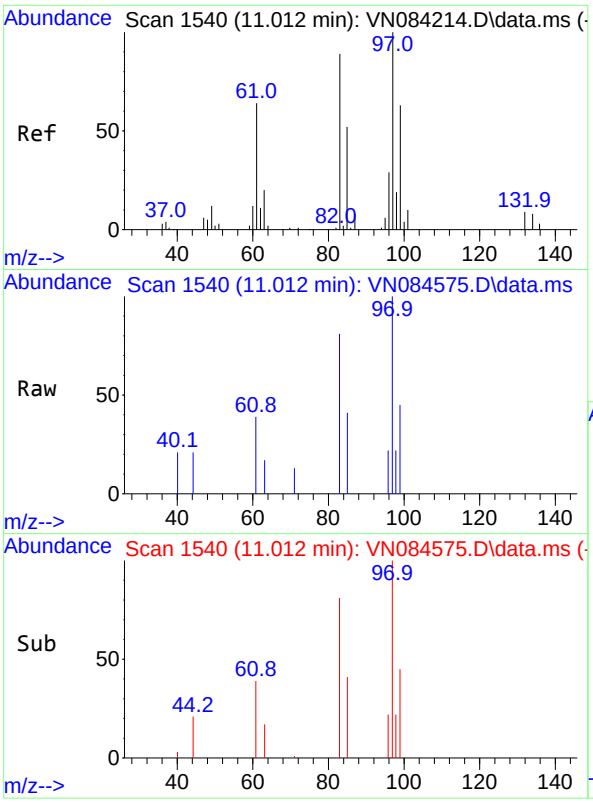


#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3266

Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.2	36.2#
39	46.7	38.7	58.1



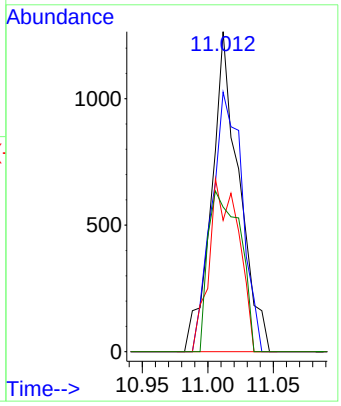


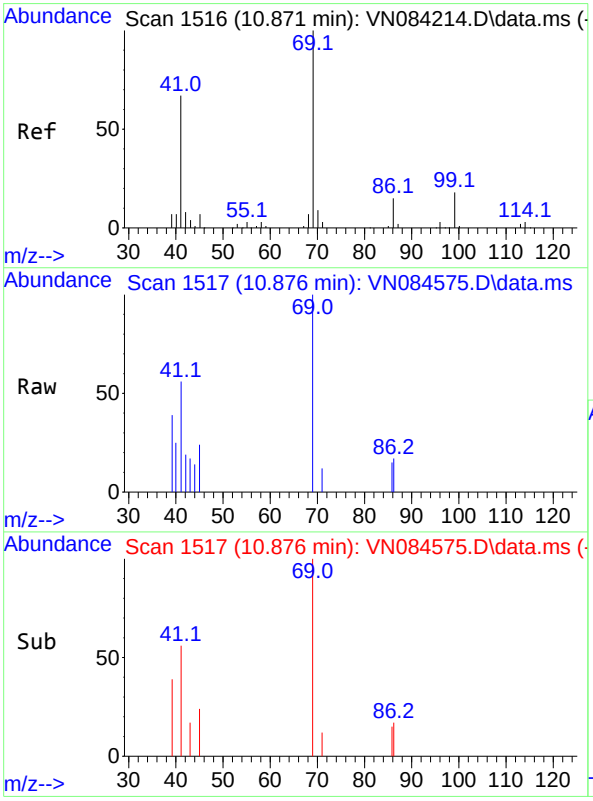
#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1841

Ion	Ratio	Lower	Upper
97	100		
83	81.1	71.0	106.4
85	41.0	41.7	62.5#
99	45.2	50.1	75.1#

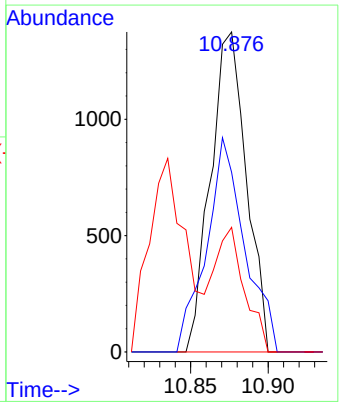


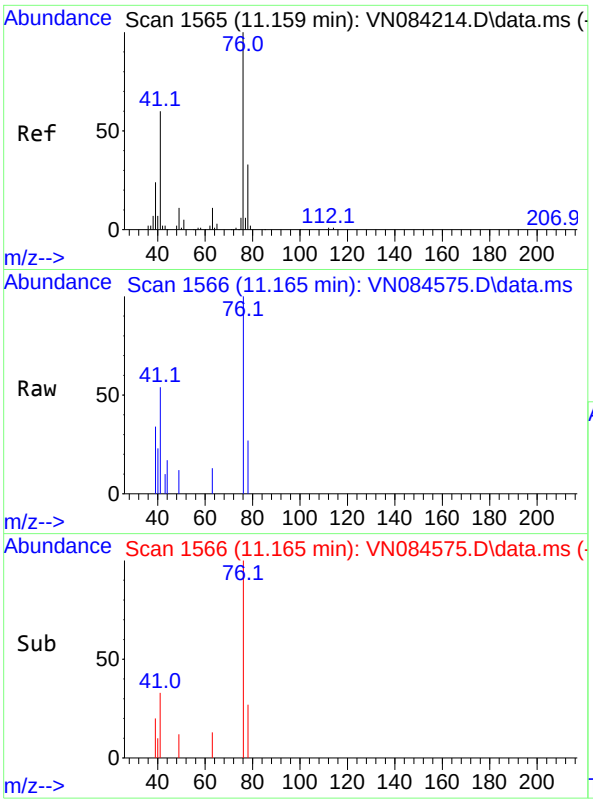


#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 69 Resp: 2211

Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.3	79.9
39	32.3	28.8	43.2



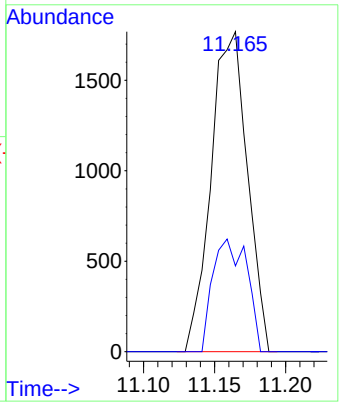


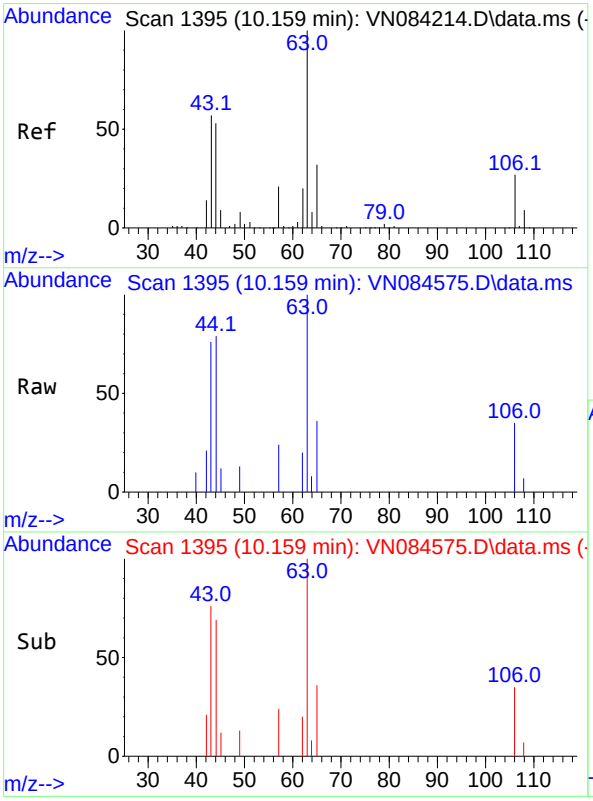
#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3139

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

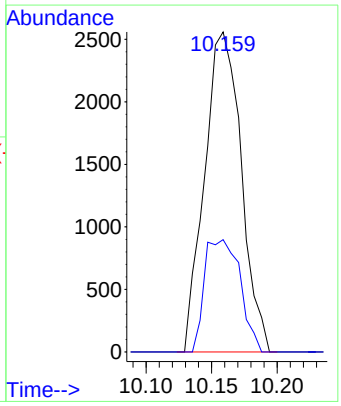


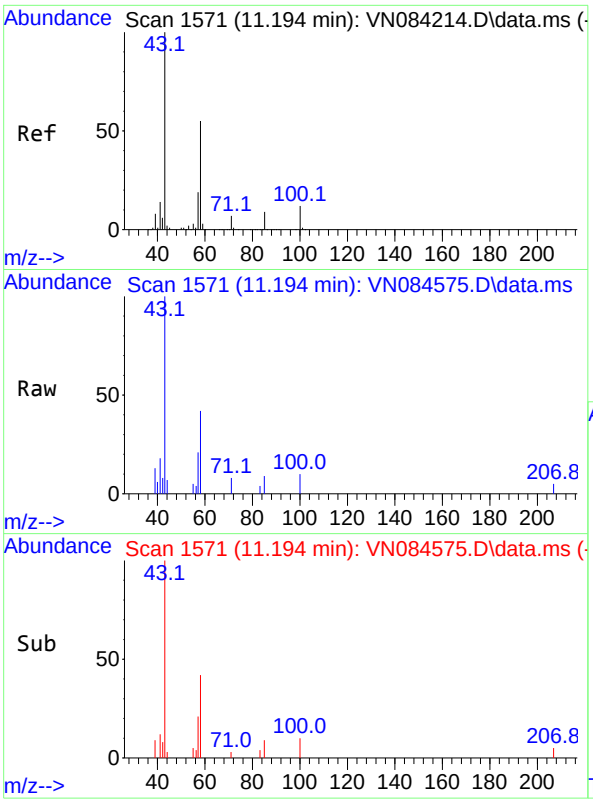


#58
2-Chloroethyl Vinyl ether
Concen: 3.720 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 4979

Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#



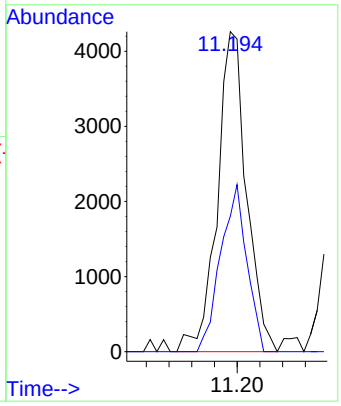


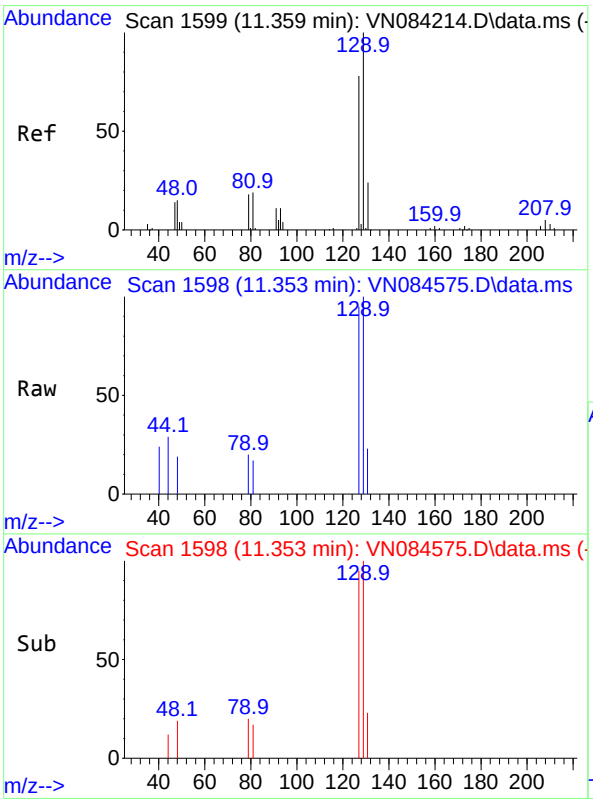
#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

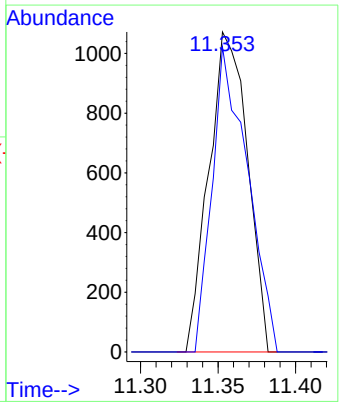


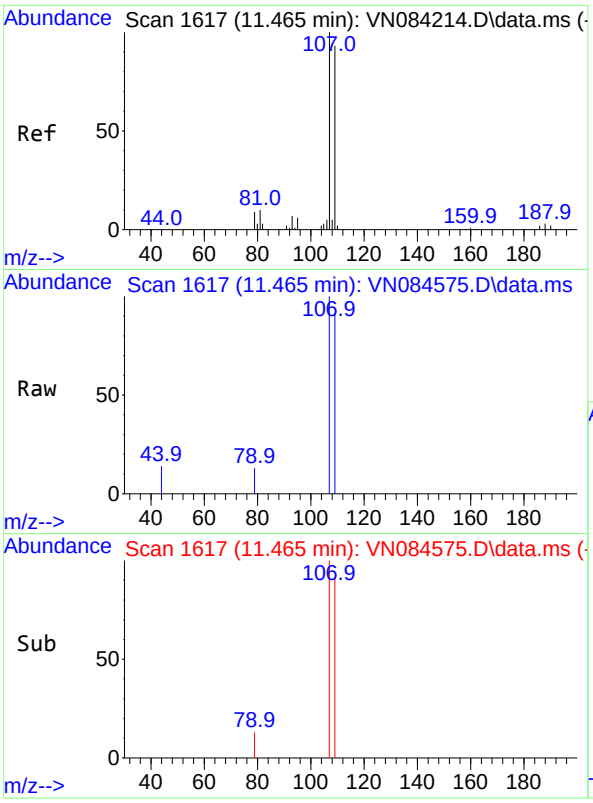


#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



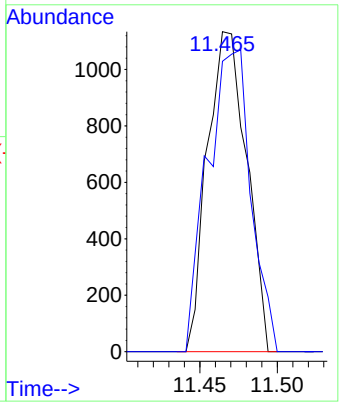


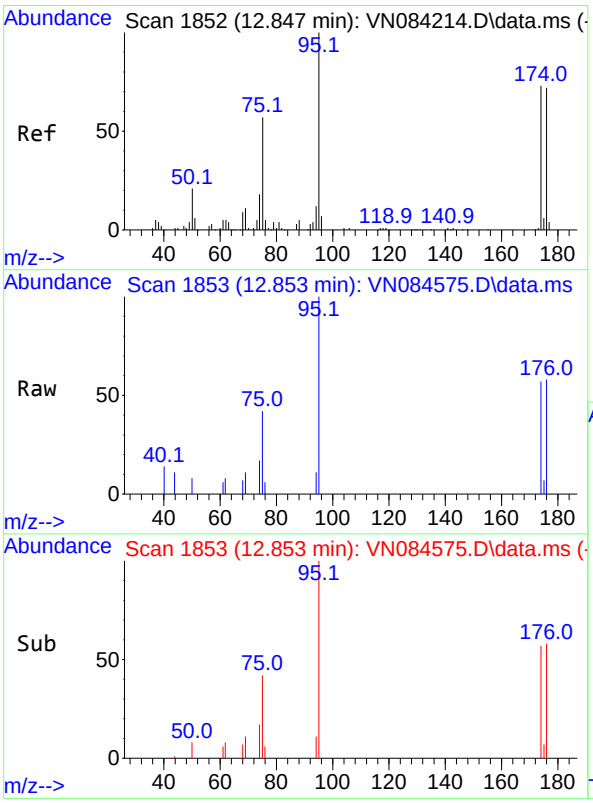
#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2001

Ion	Ratio	Lower	Upper
107	100		
109	104.4	75.4	113.0

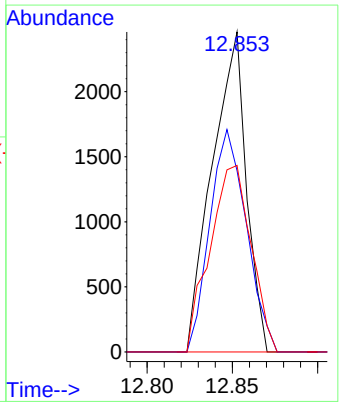


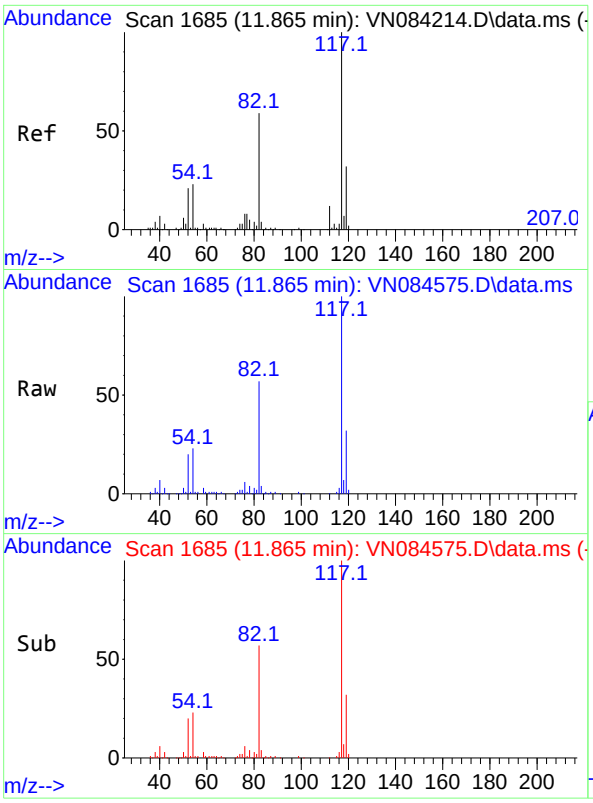


#62
4-Bromofluorobenzene
Concen: 1.233 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 95 Resp: 3420

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	70.6	0.0	140.0



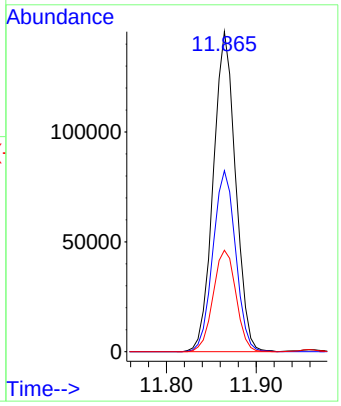


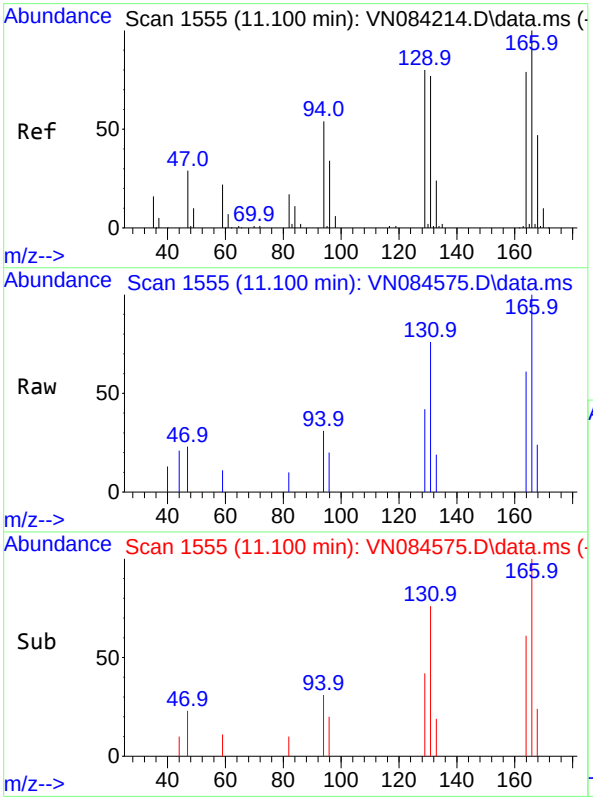
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 250990

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.7	25.4	38.0

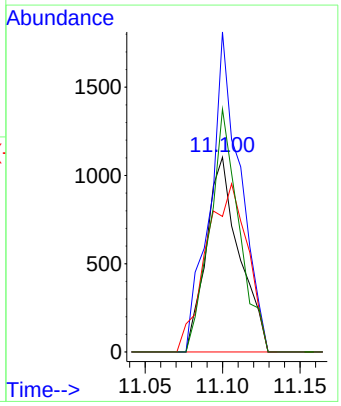


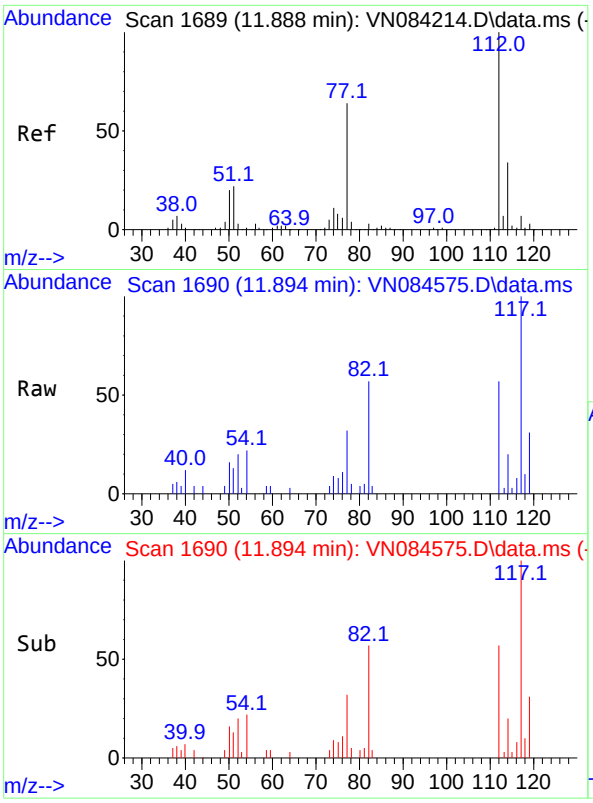


#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:164 Resp: 1629

Ion	Ratio	Lower	Upper
164	100		
166	164.4	101.0	151.4#
129	69.6	80.8	121.2#
131	124.8	78.1	117.1#



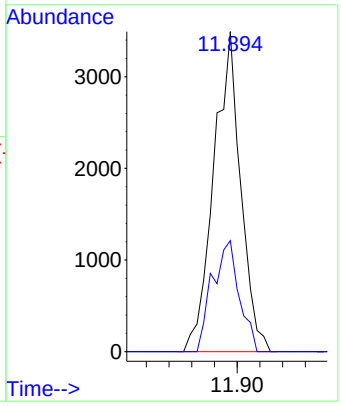


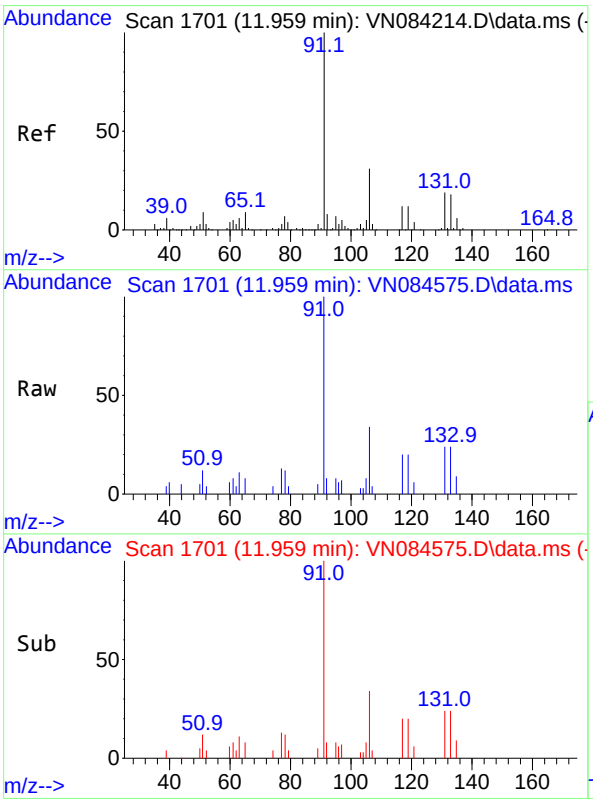
#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

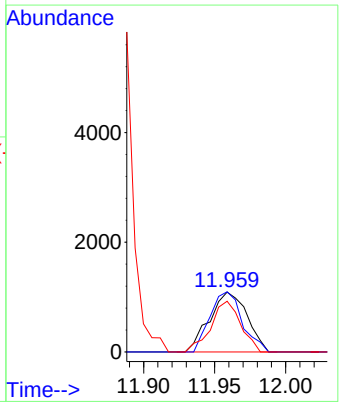


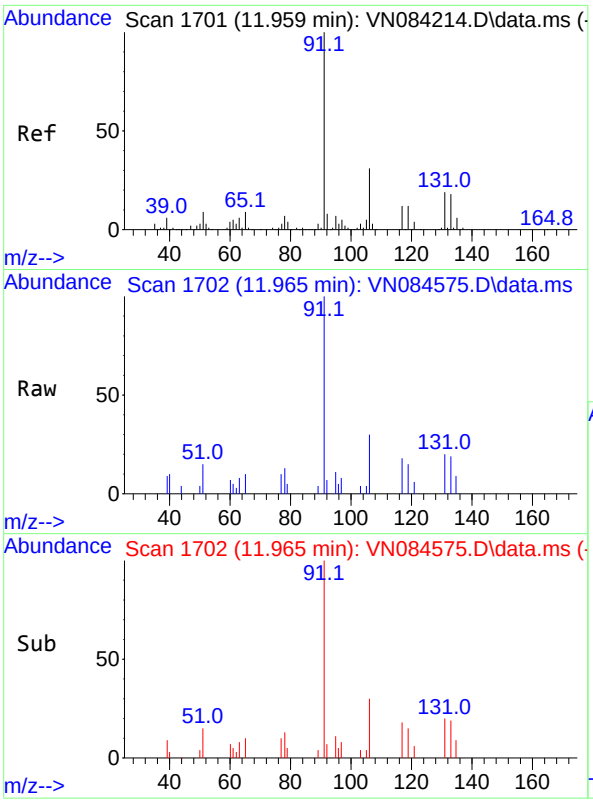


#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:131 Resp: 2002

Ion	Ratio	Lower	Upper
131	100		
133	86.7	47.9	143.7
119	0.0	32.8	98.3#



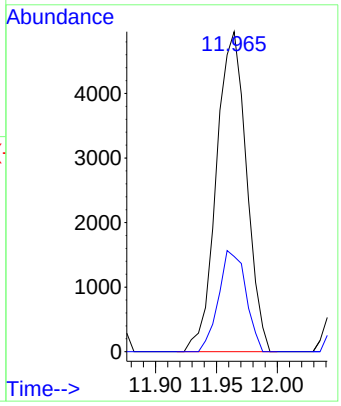


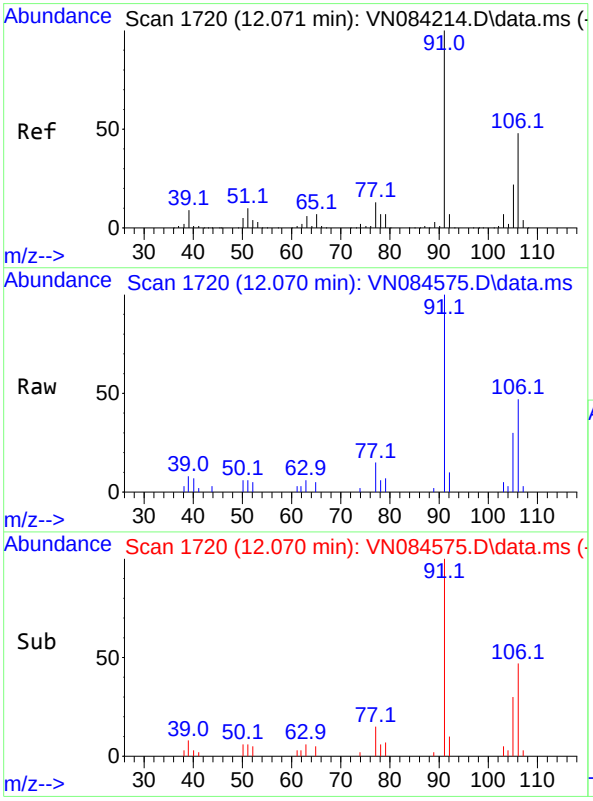
#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

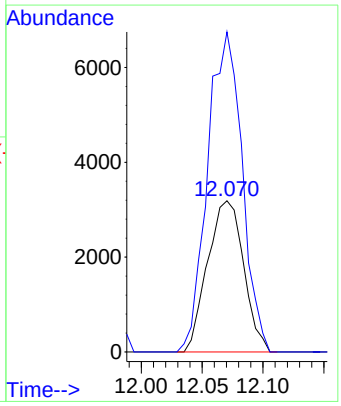


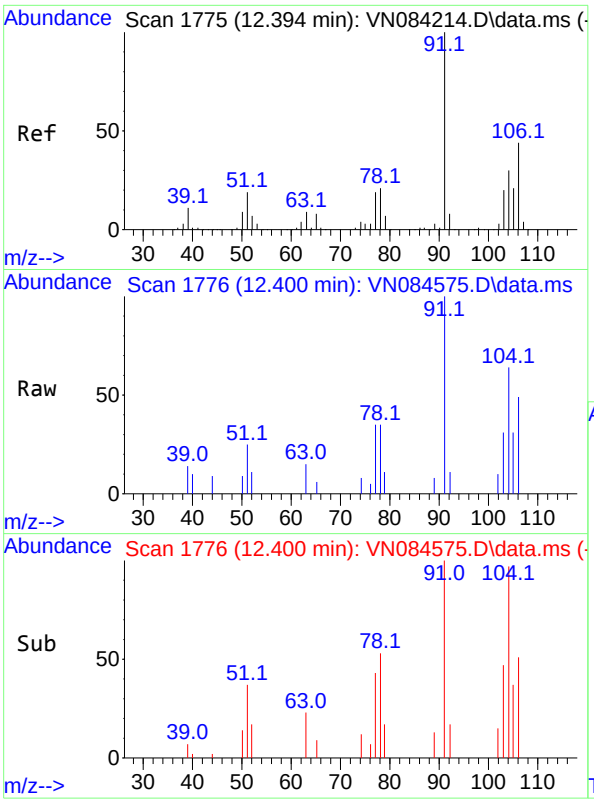


#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



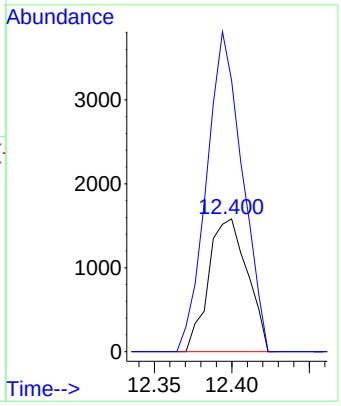


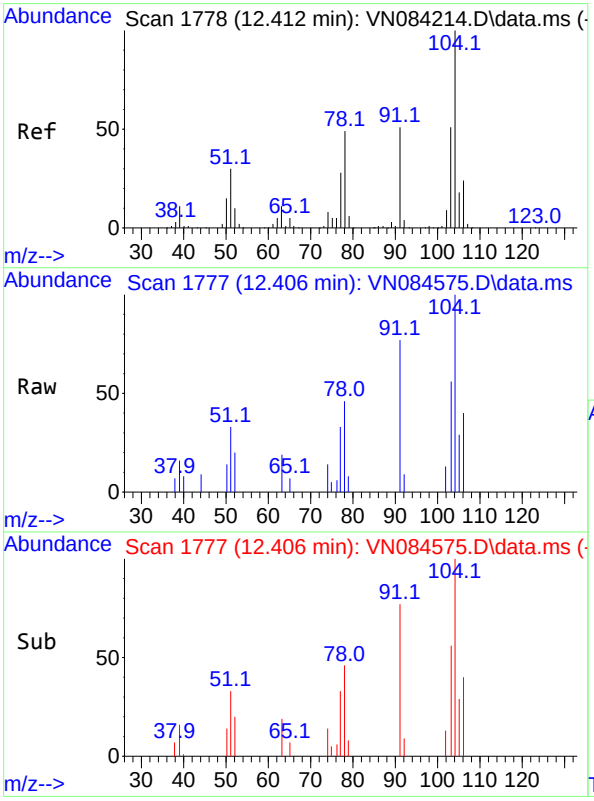
#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

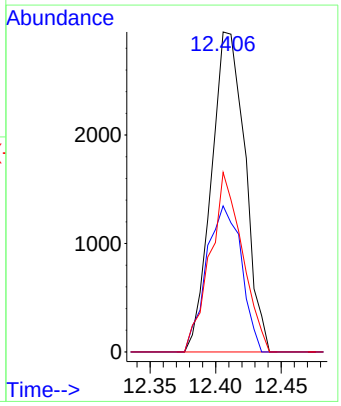


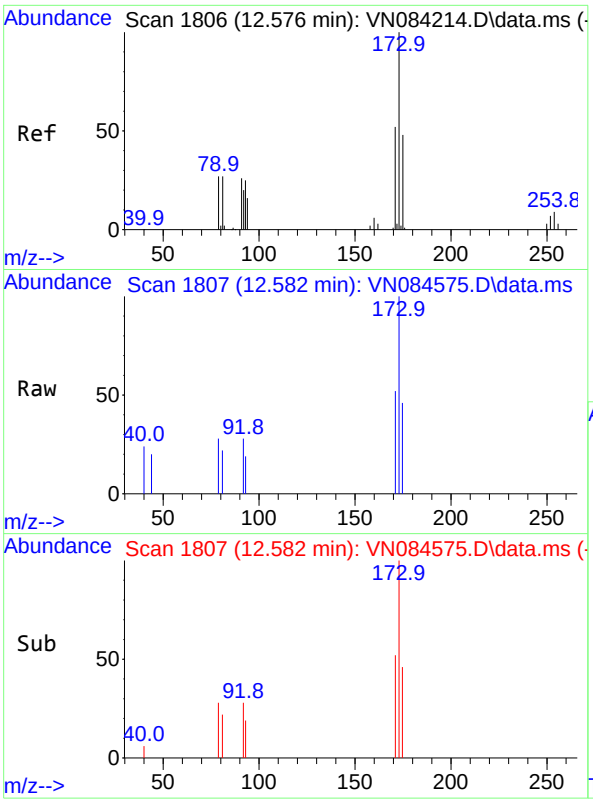


#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:104 Resp: 5269

Ion	Ratio	Lower	Upper
104	100		
78	47.3	42.7	64.1
103	53.6	43.6	65.4



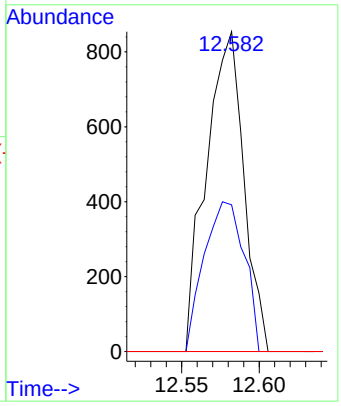


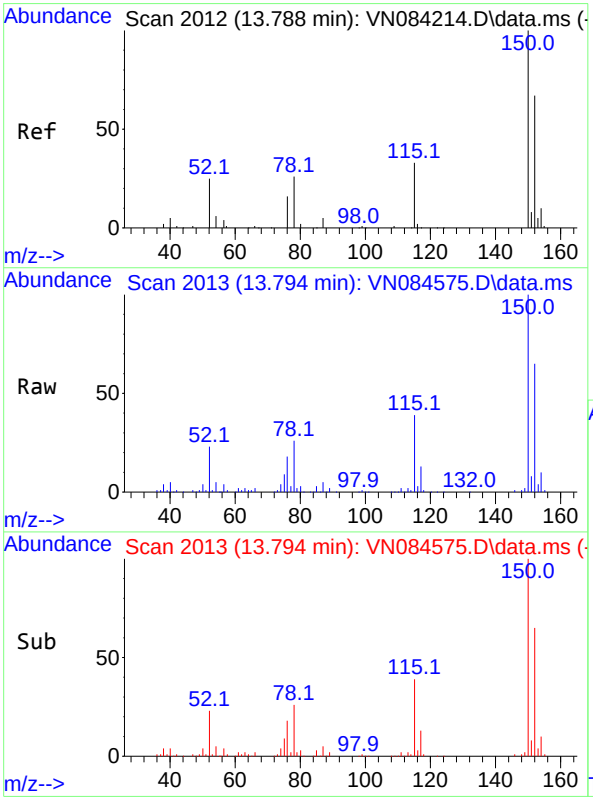
#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1434

Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.5	70.6
254	0.0	0.0	0.0

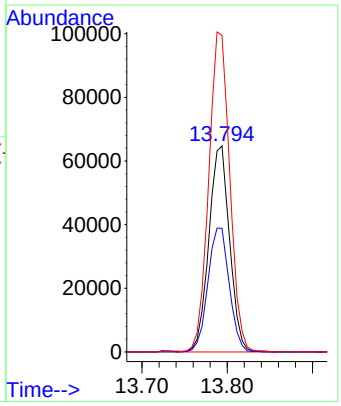


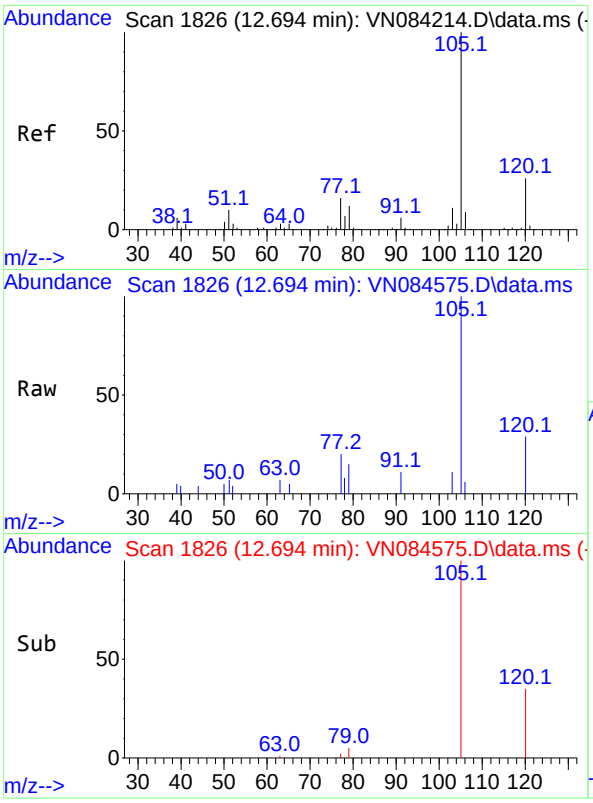


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:152 Resp: 109560

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8



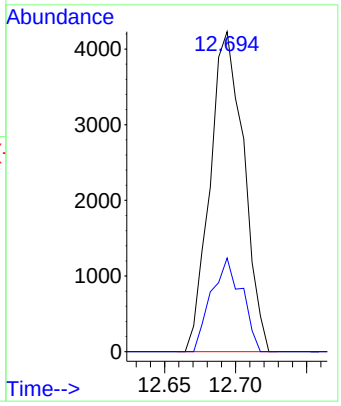


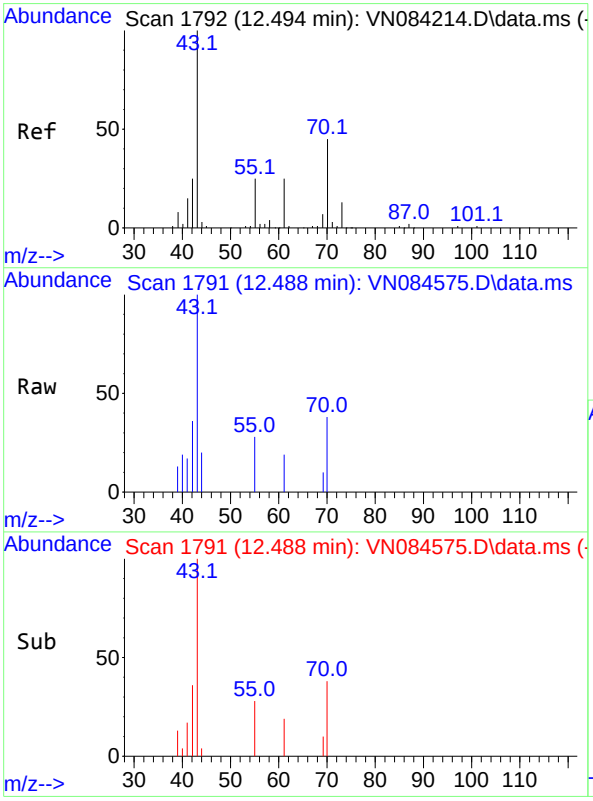
#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

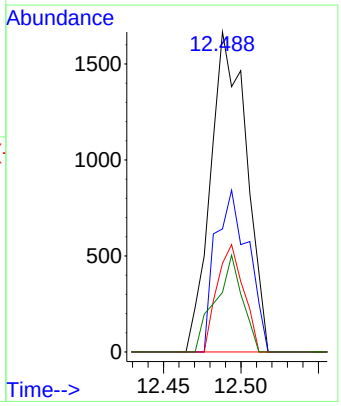


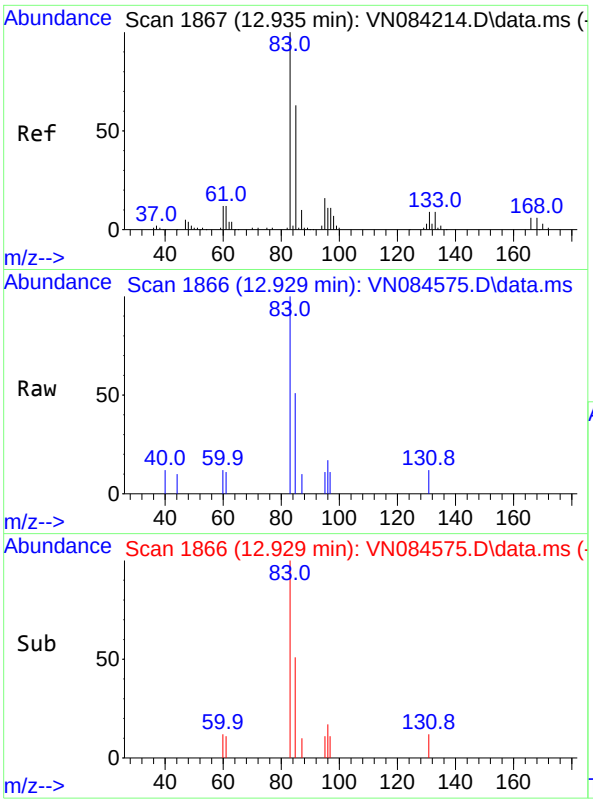


#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2680

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.4	51.6
55	24.7	19.6	29.4
61	22.6	19.6	29.4



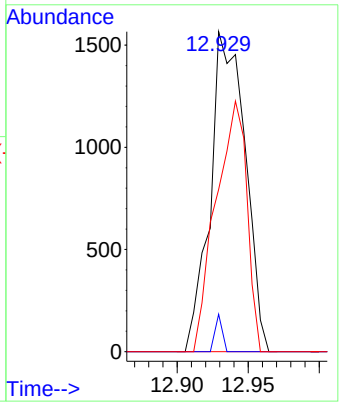


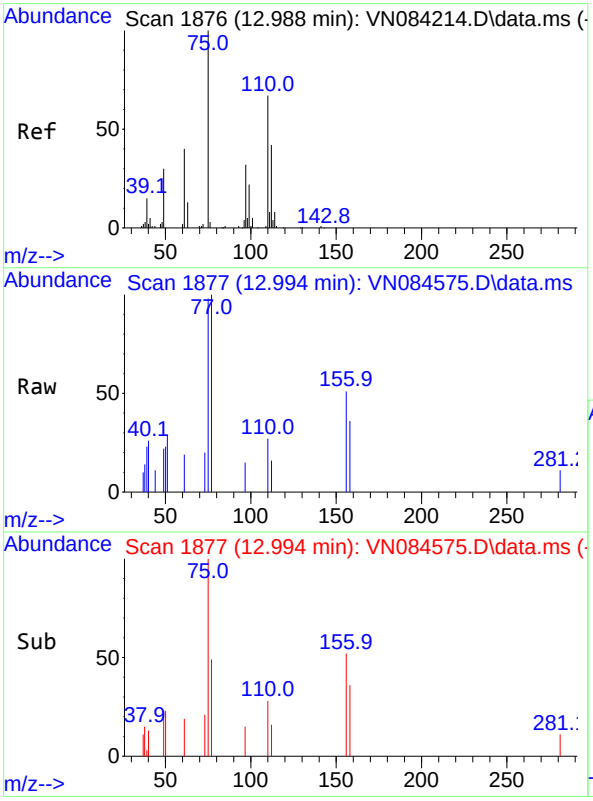
#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2678

Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.9	14.7#
85	69.2	31.9	95.7

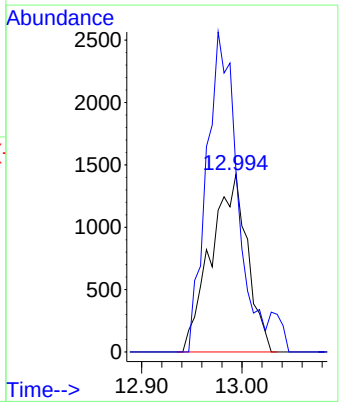


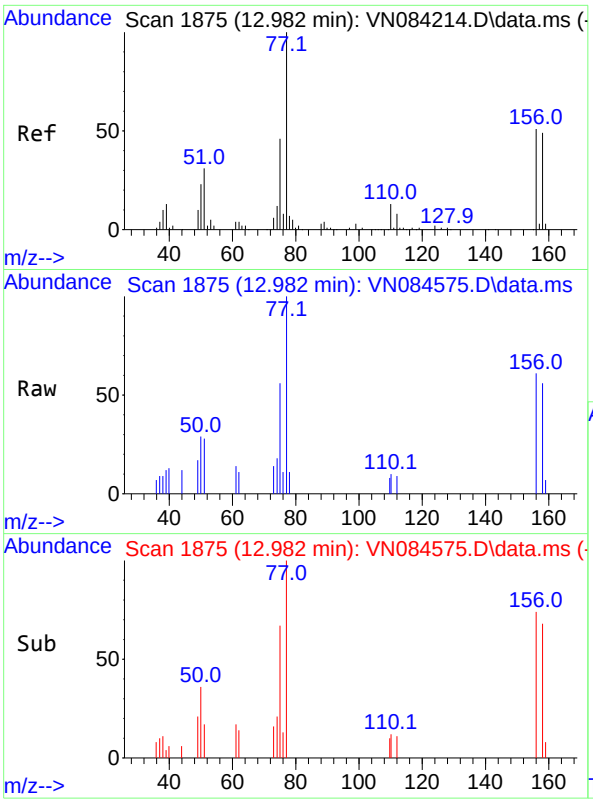


#76
1,2,3-Trichloropropane
Concen: 1.670 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3610

Ion	Ratio	Lower	Upper
75	100		
77	151.0	96.9	290.7



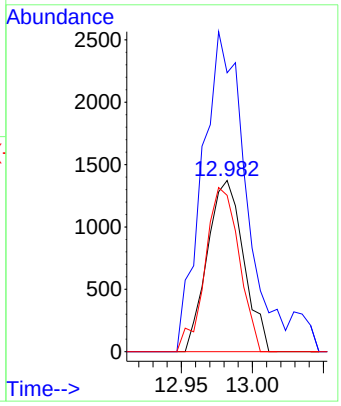


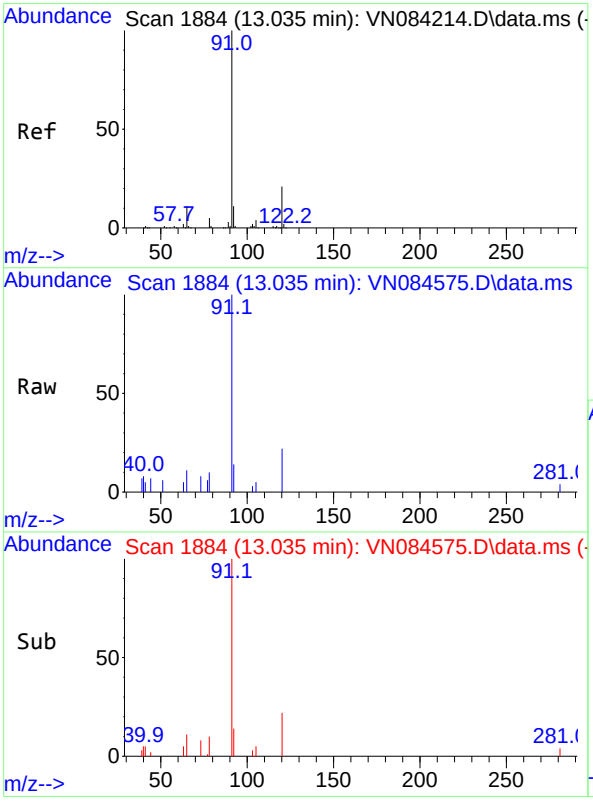
#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 2440

Ion	Ratio	Lower	Upper
156	100		
77	223.4	115.1	345.3
158	89.6	48.9	146.8

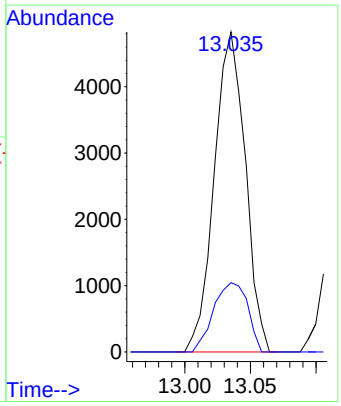


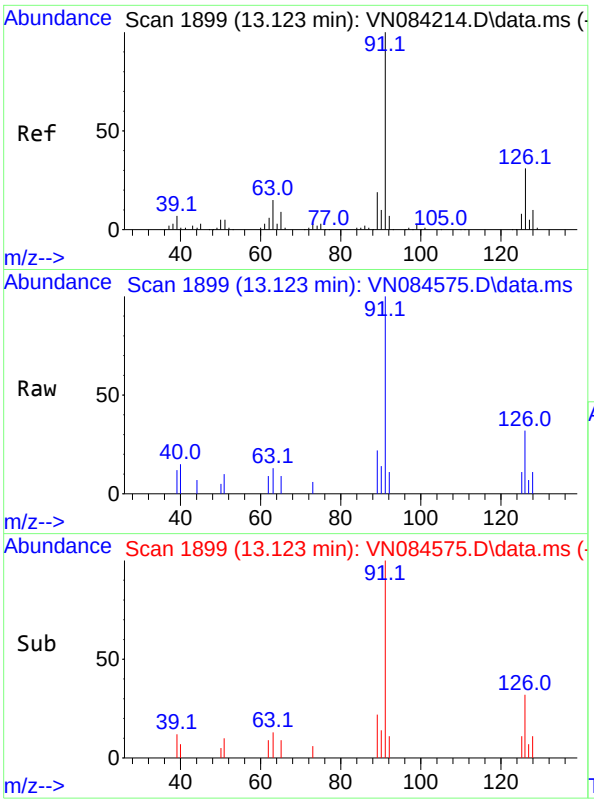


#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 7935

Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4



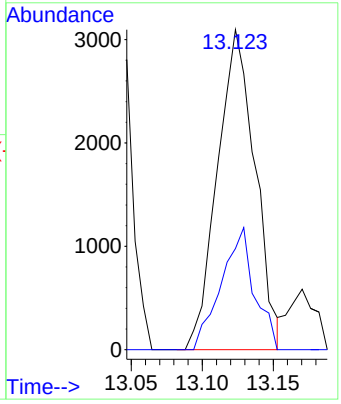


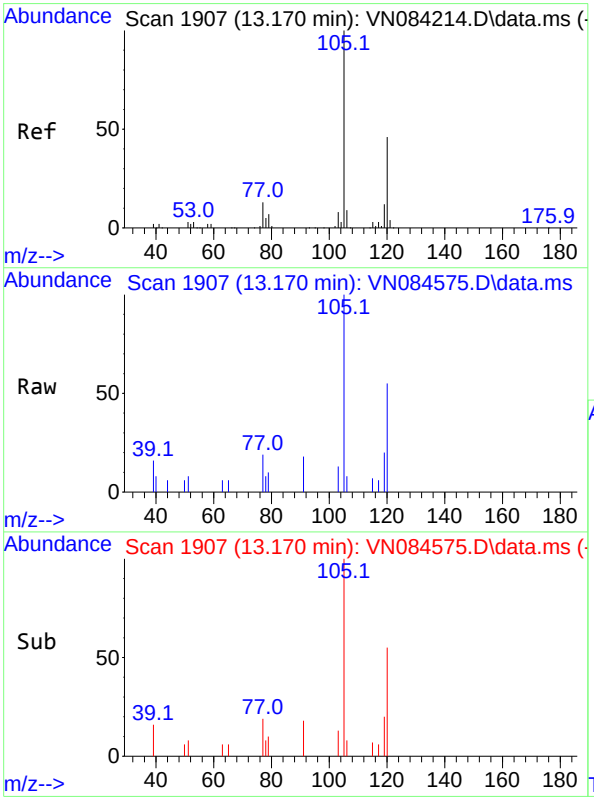
#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

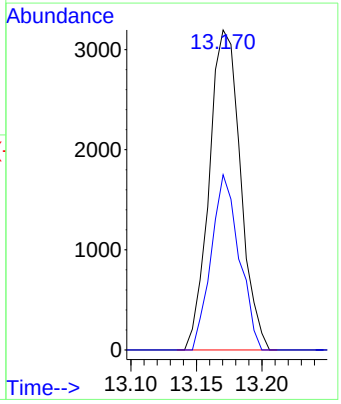


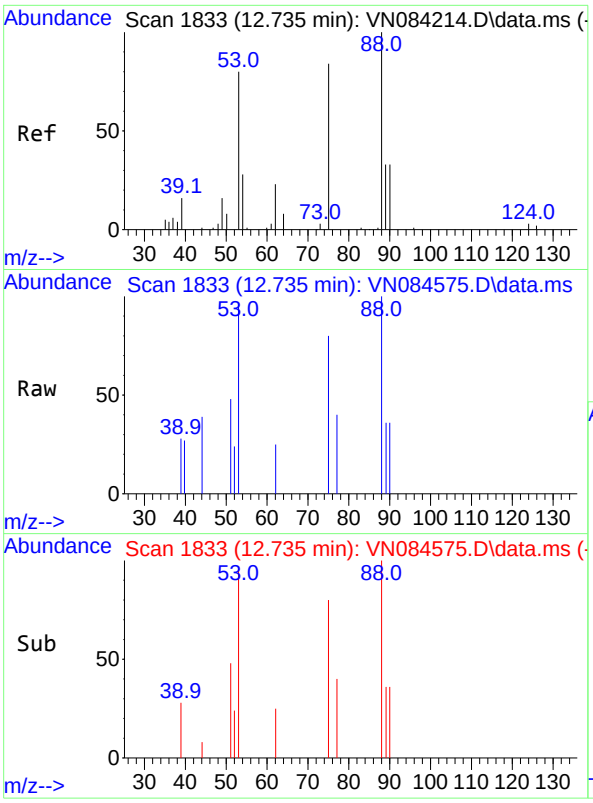


#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



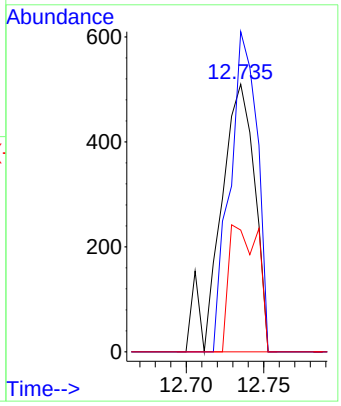


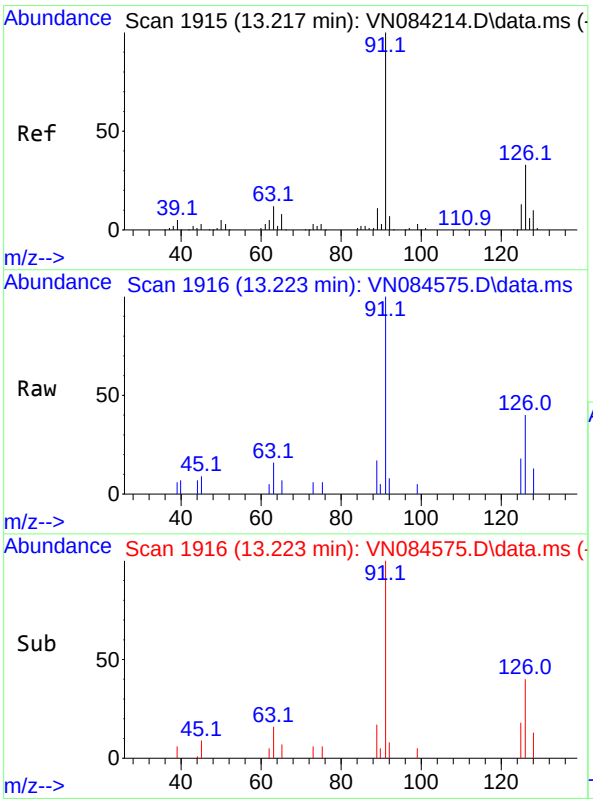
#81
trans-1,4-Dichloro-2-butene
Concen: 0.855 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 789

Ion	Ratio	Lower	Upper
75	100		
53	94.4	78.0	117.0
89	40.1	35.5	53.3

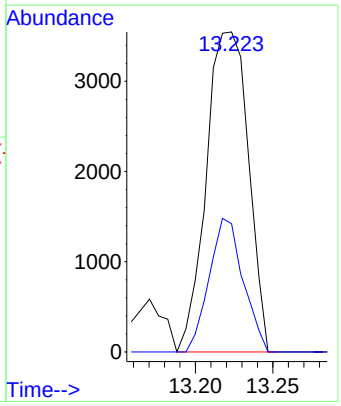


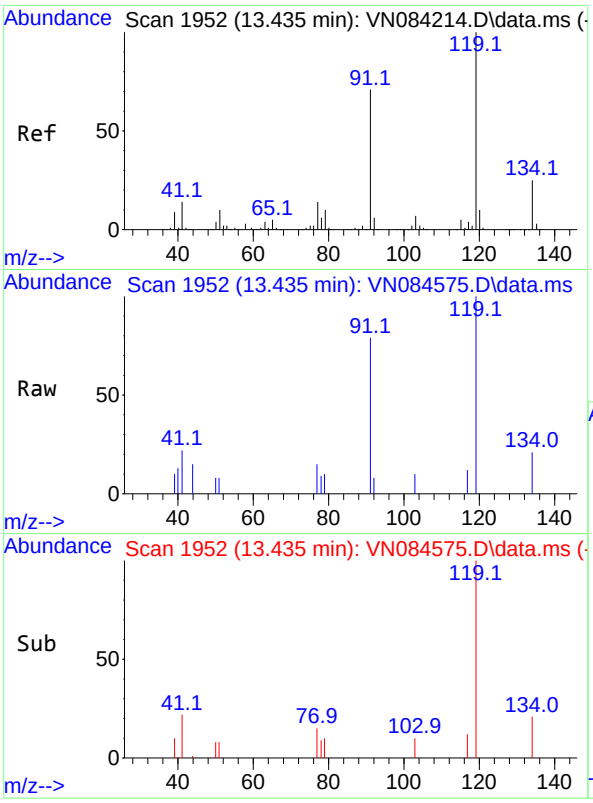


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1



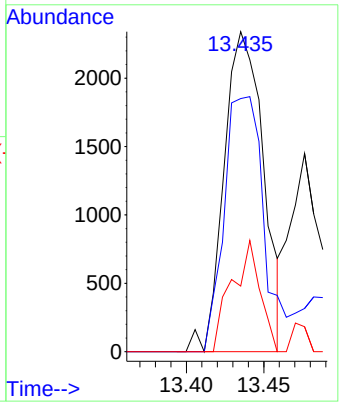


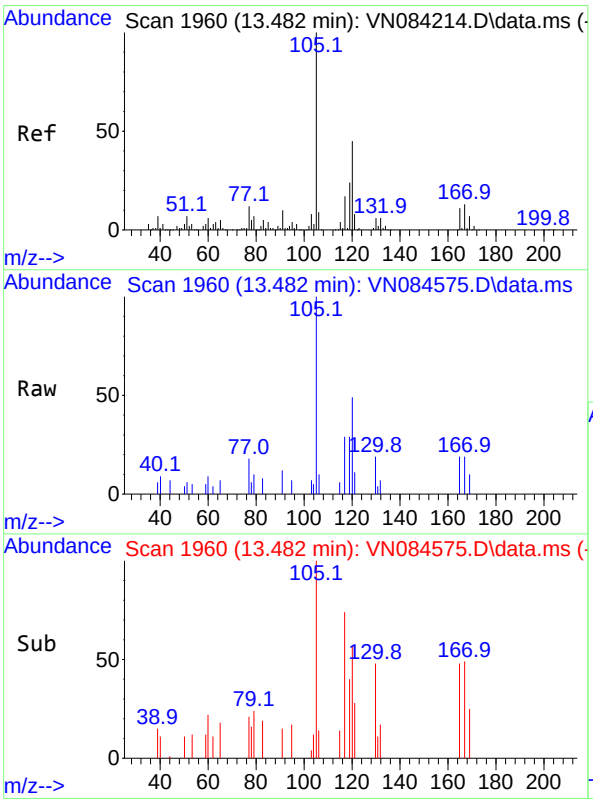
#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 4148

Ion	Ratio	Lower	Upper
119	100		
91	79.8	34.1	102.3
134	24.9	12.8	38.4

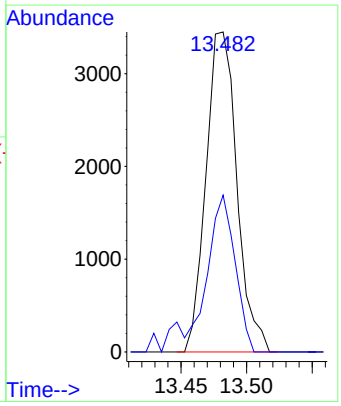


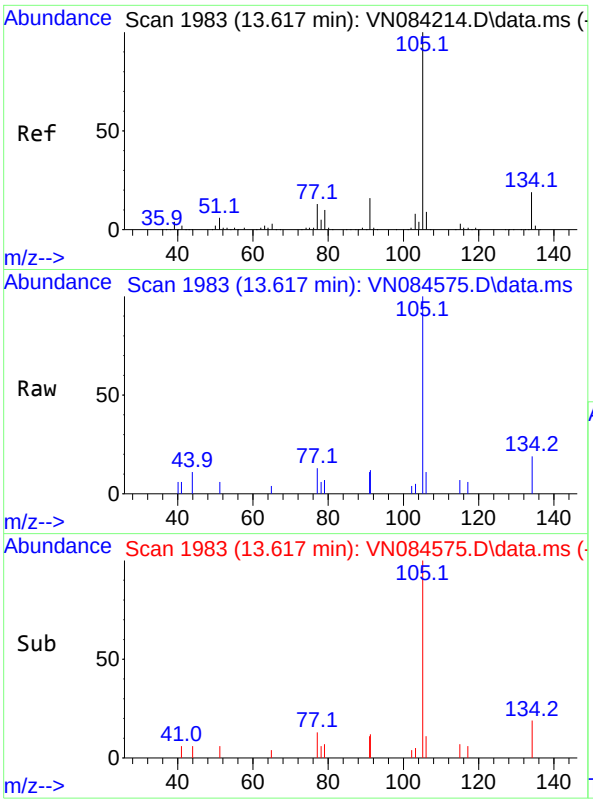


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



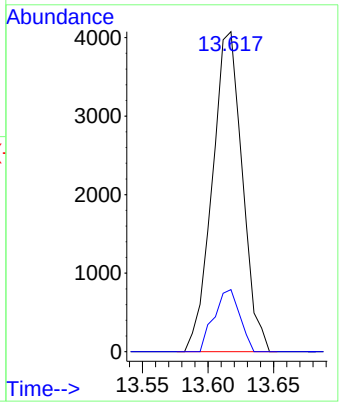


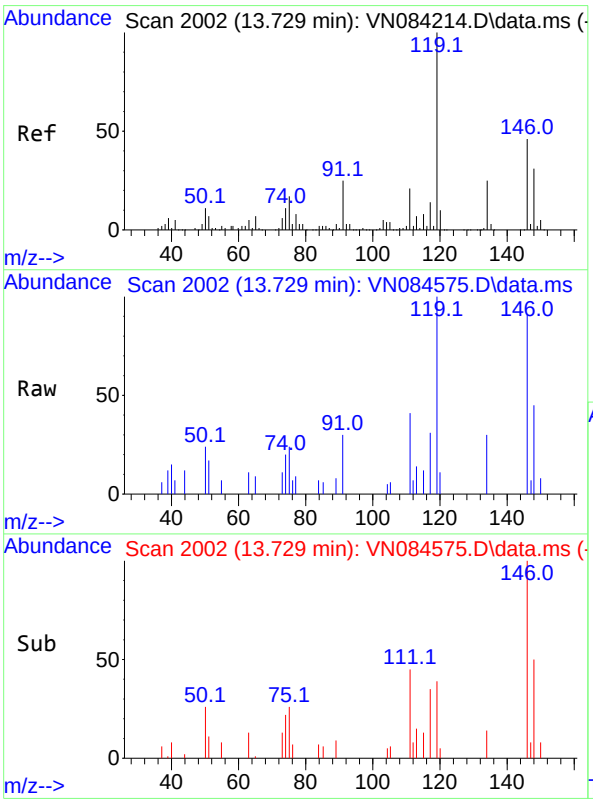
#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6490

Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4

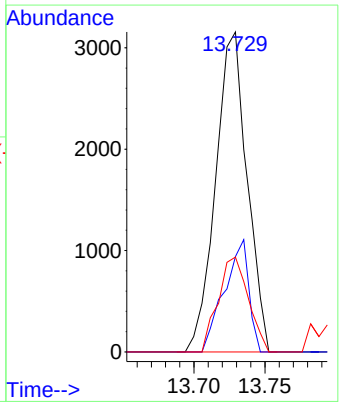


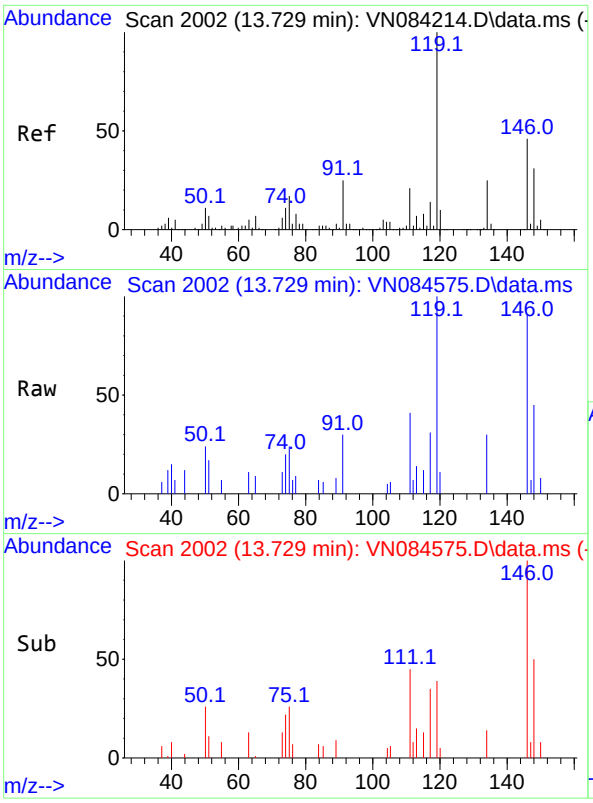


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4859

Ion	Ratio	Lower	Upper
119	100		
134	27.3	12.6	37.8
91	28.4	12.4	37.2



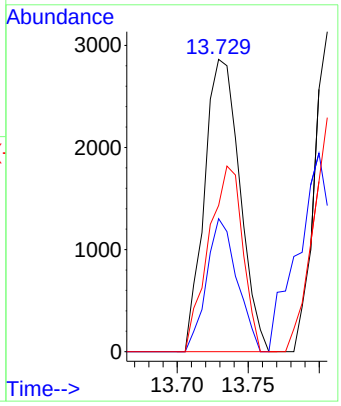


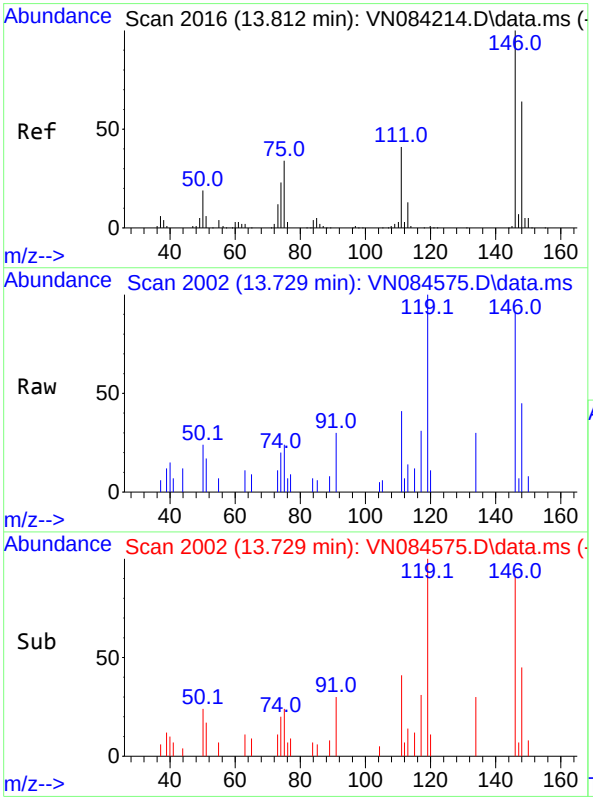
#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4961

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.8	65.3
148	61.2	31.9	95.7

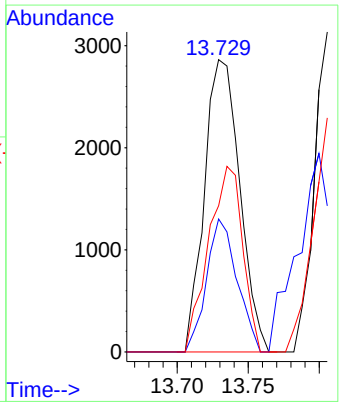


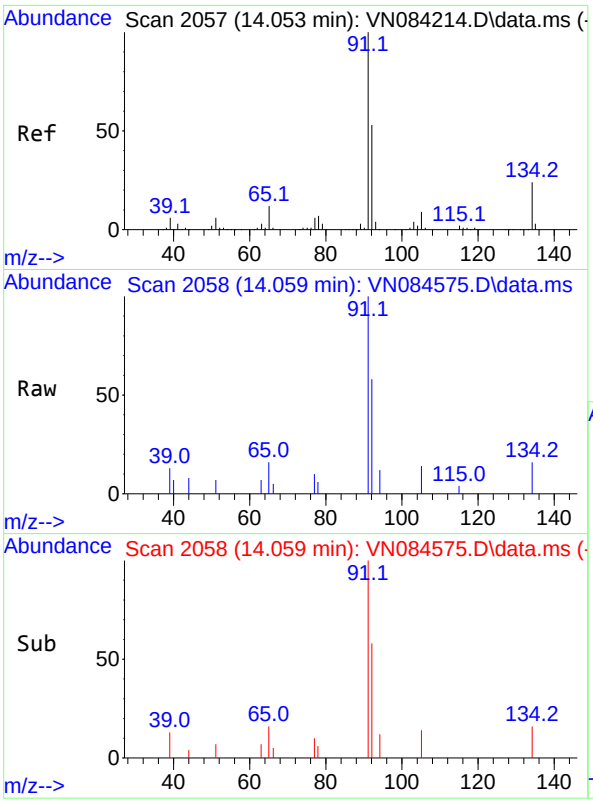


#88
1,4-Dichlorobenzene
Concen: 0.498 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4961

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.2	63.6
148	61.2	31.9	95.9



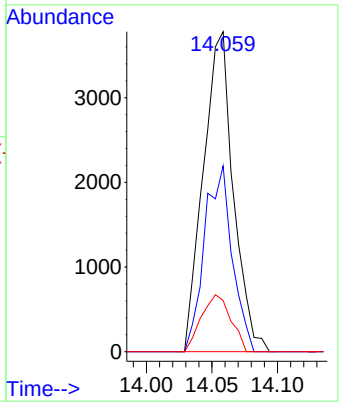


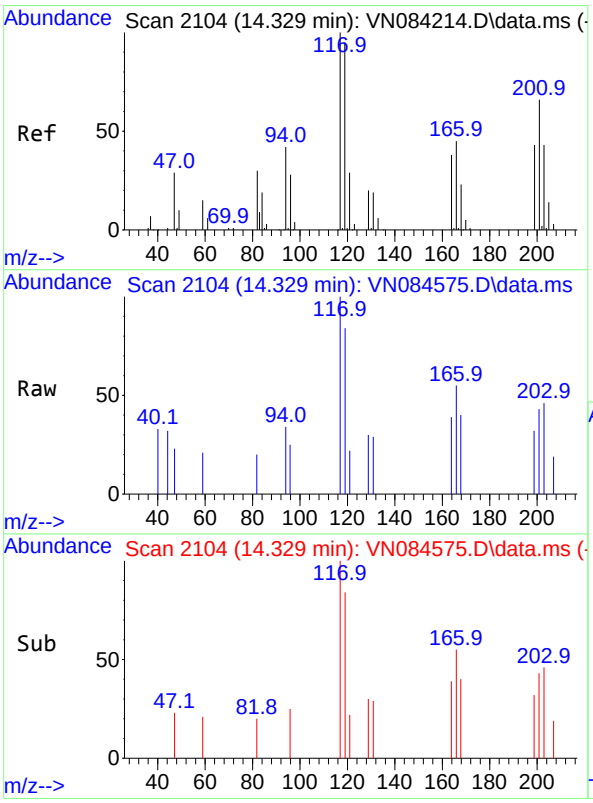
#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6020

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	17.5	12.3	36.9

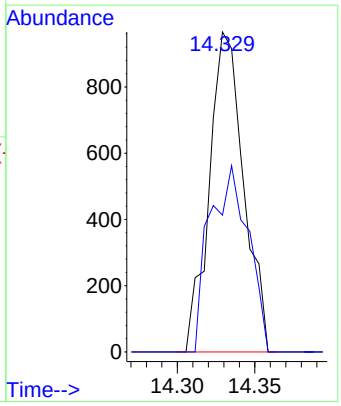


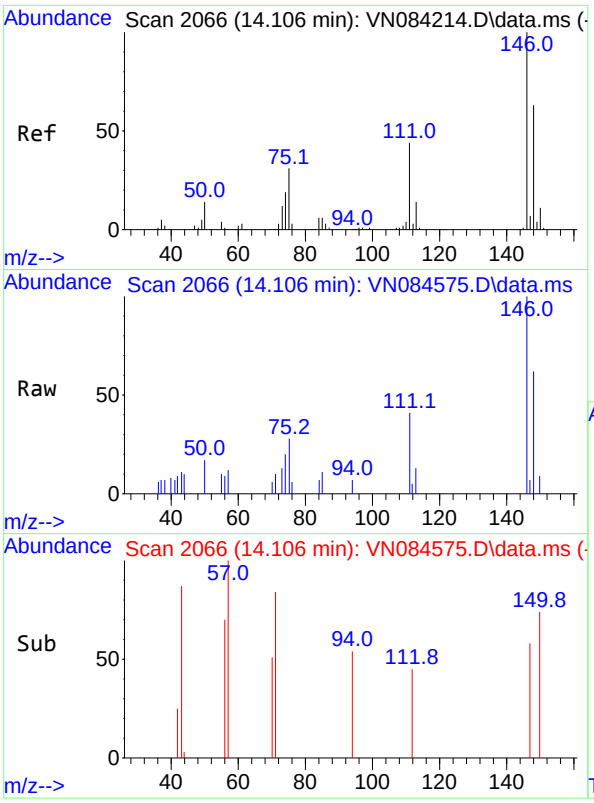


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



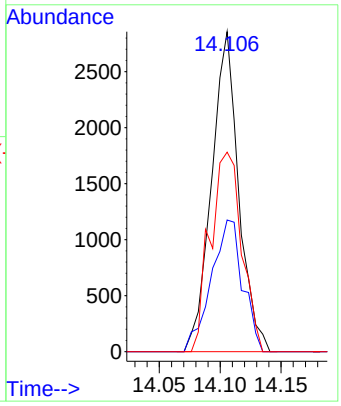


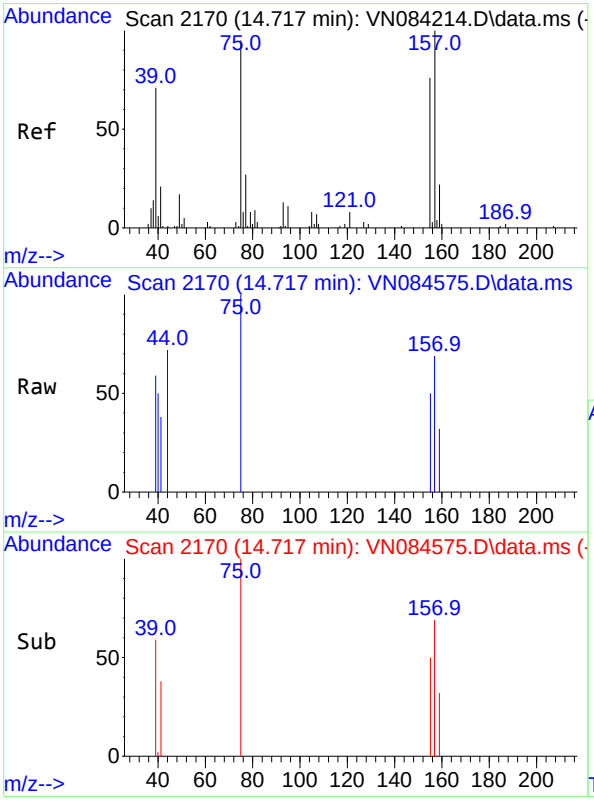
#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4428

Ion	Ratio	Lower	Upper
146	100		
111	47.8	22.0	66.0
148	72.3	32.1	96.3

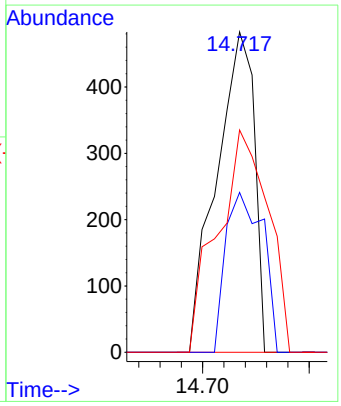


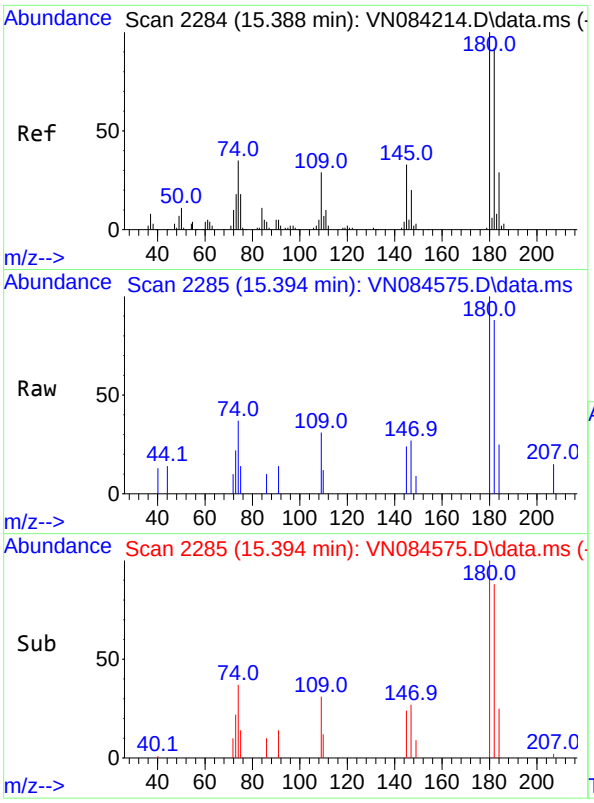


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 595

Ion	Ratio	Lower	Upper
75	100		
155	49.2	38.1	114.5
157	92.8	49.6	149.0



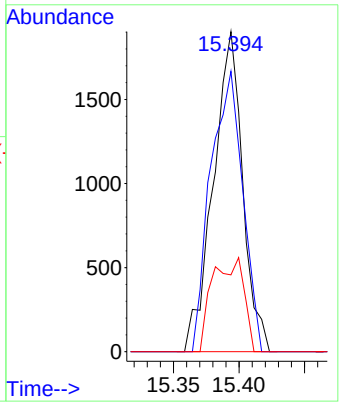


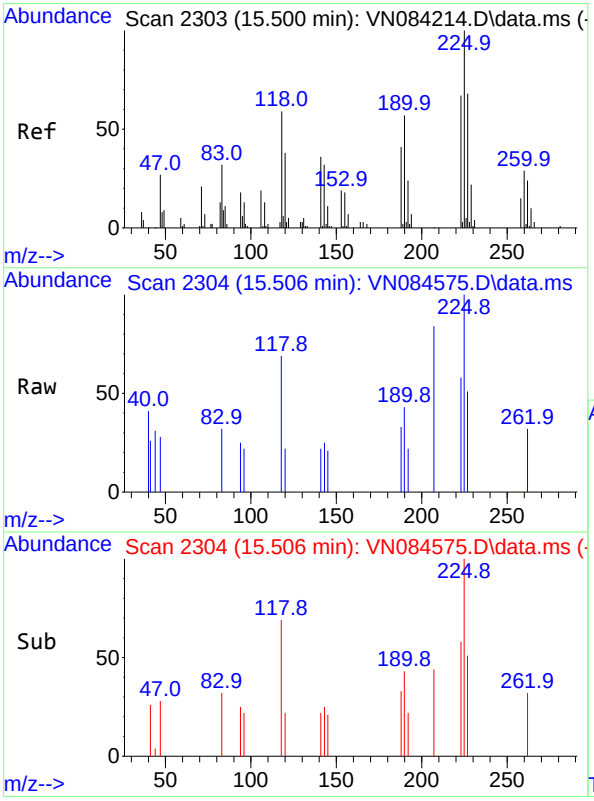
#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2964

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	31.3	16.4	49.4

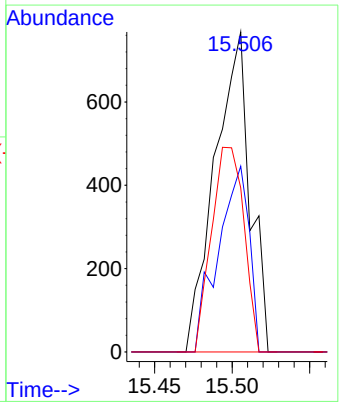


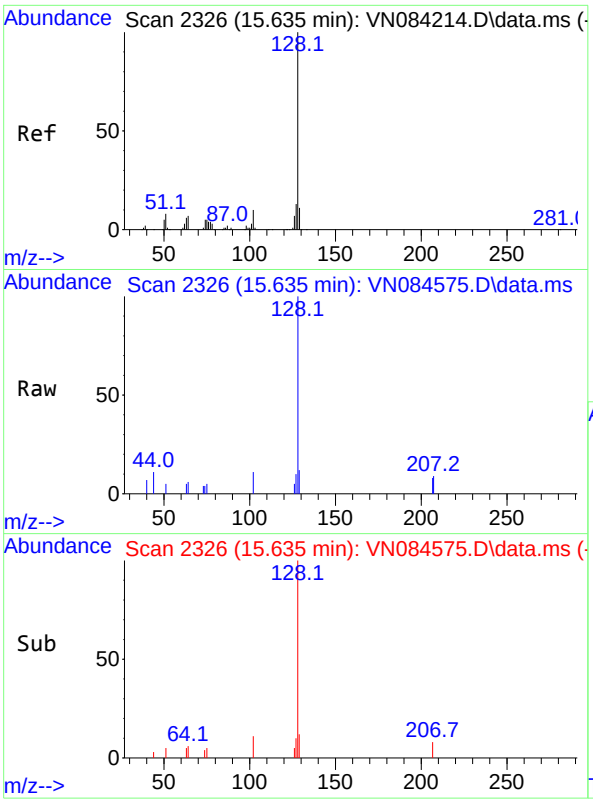


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:225 Resp: 1208

Ion	Ratio	Lower	Upper
225	100		
223	51.3	32.4	97.2
227	59.2	32.4	97.0



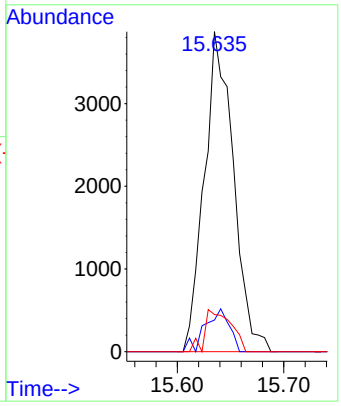


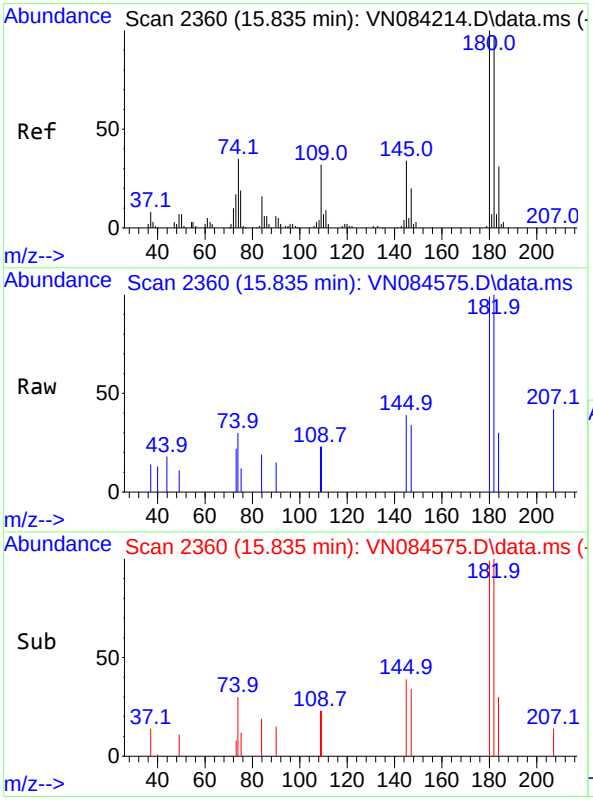
#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 7352

Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.8	8.7	13.1

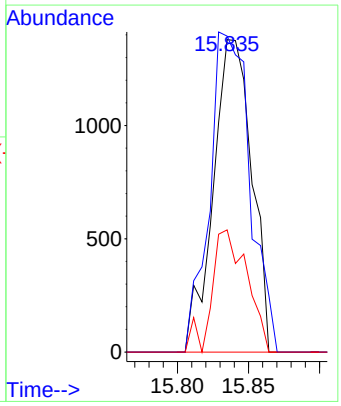




#96
1,2,3-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2605

Ion	Ratio	Lower	Upper
180	100		
182	107.5	48.2	144.6
145	35.7	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	192674	67.490	ug/l		63
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

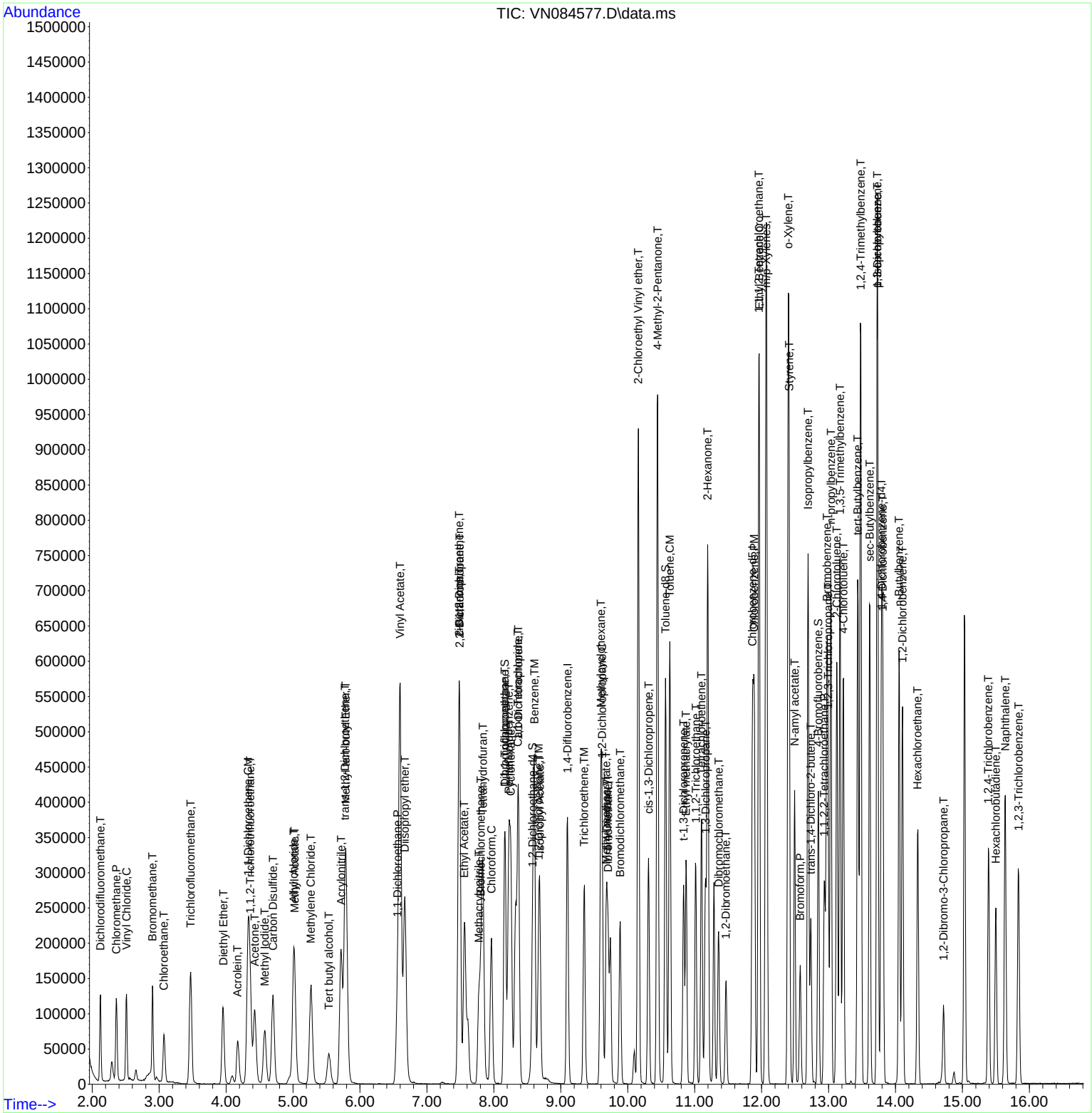
(#) = qualifier out of range (m) = manual integration (+) = signals summed

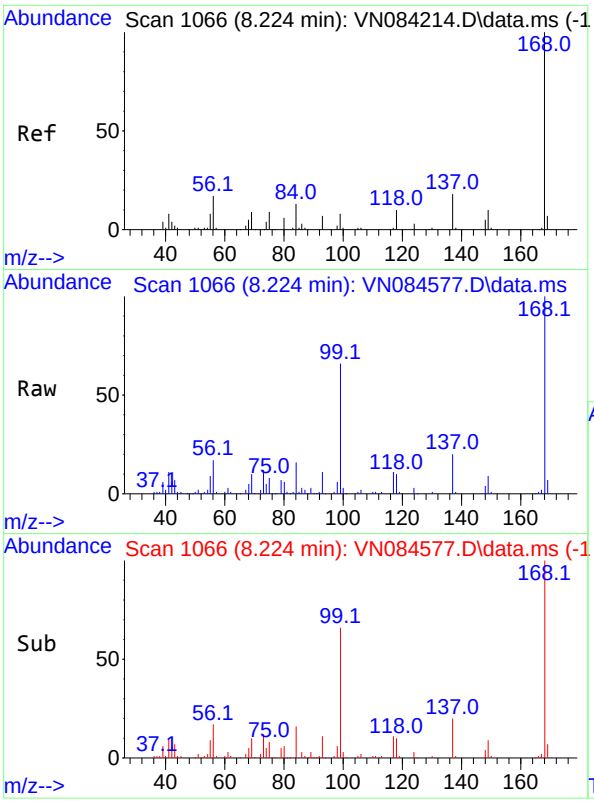
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration



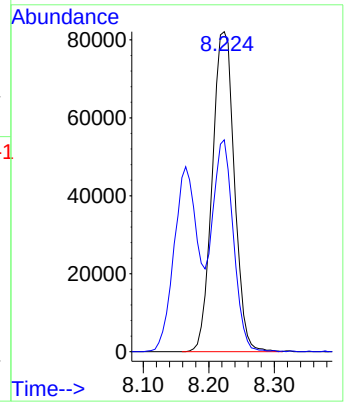


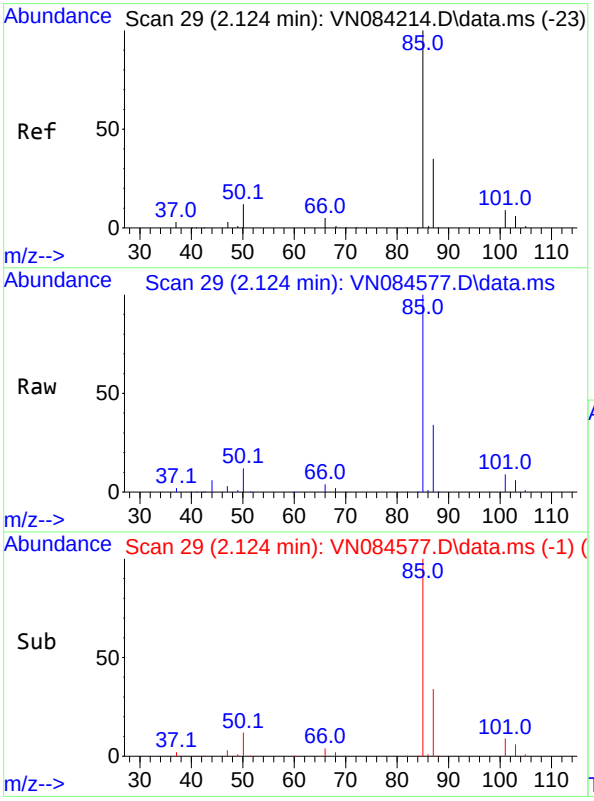
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:168 Resp: 192202

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2

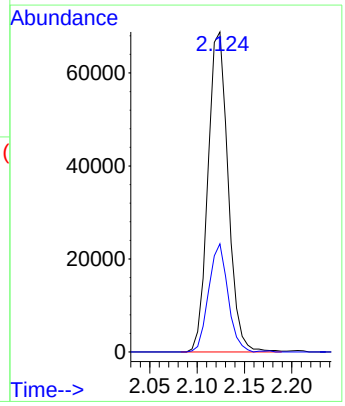


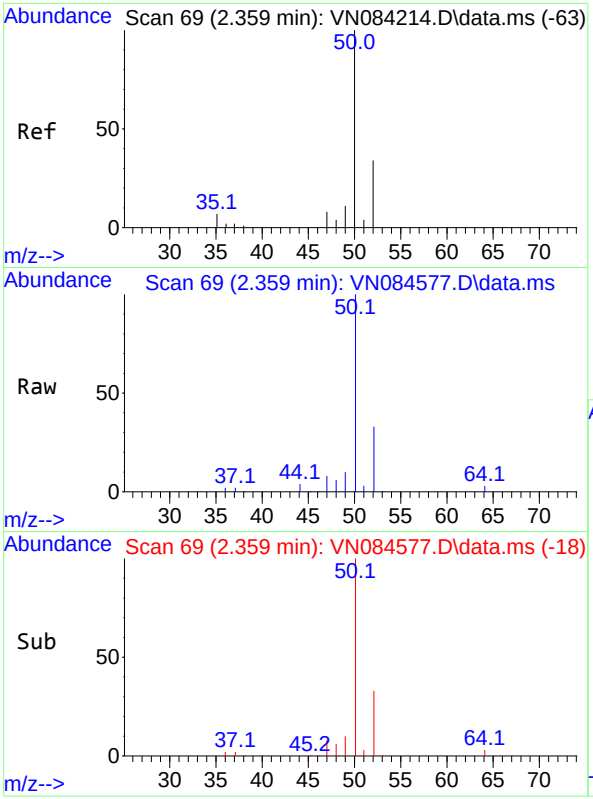


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



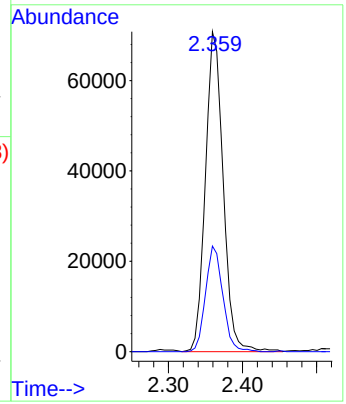


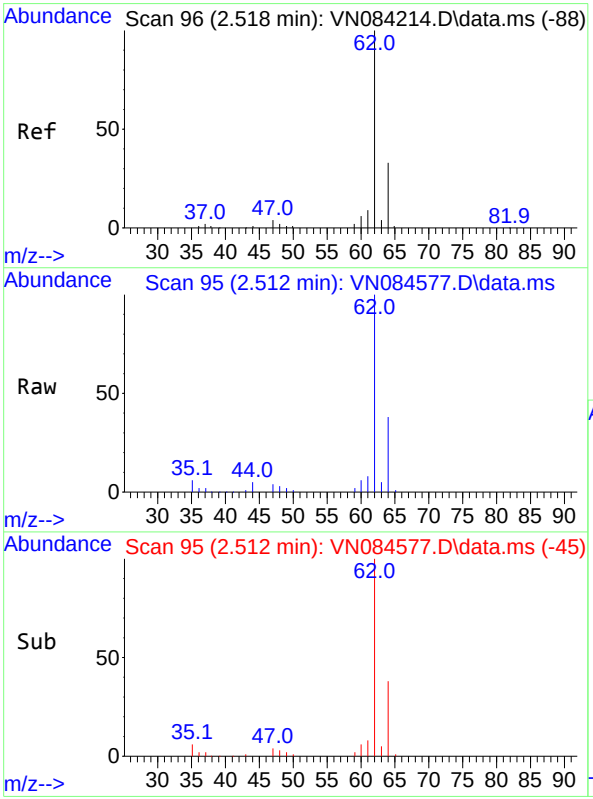
#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 50 Resp: 118060

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

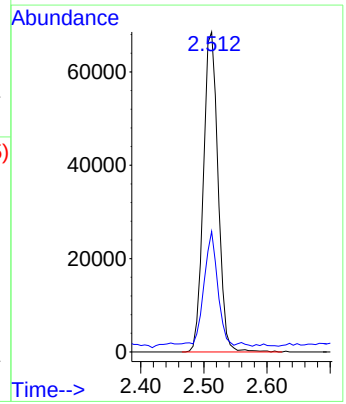


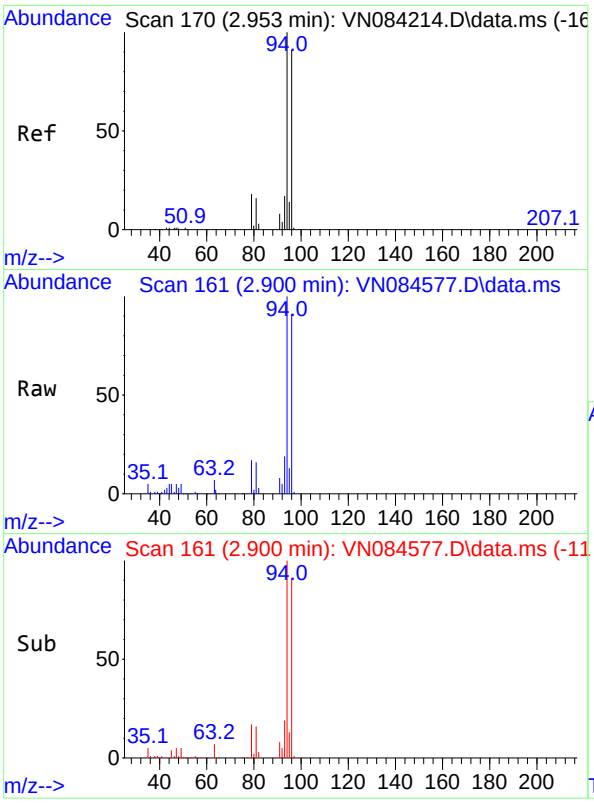


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4



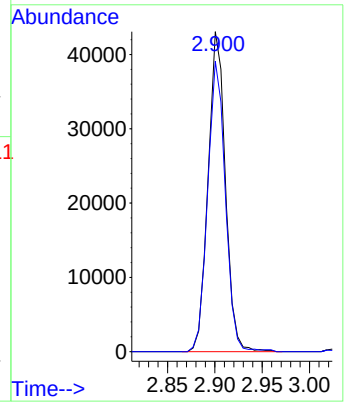


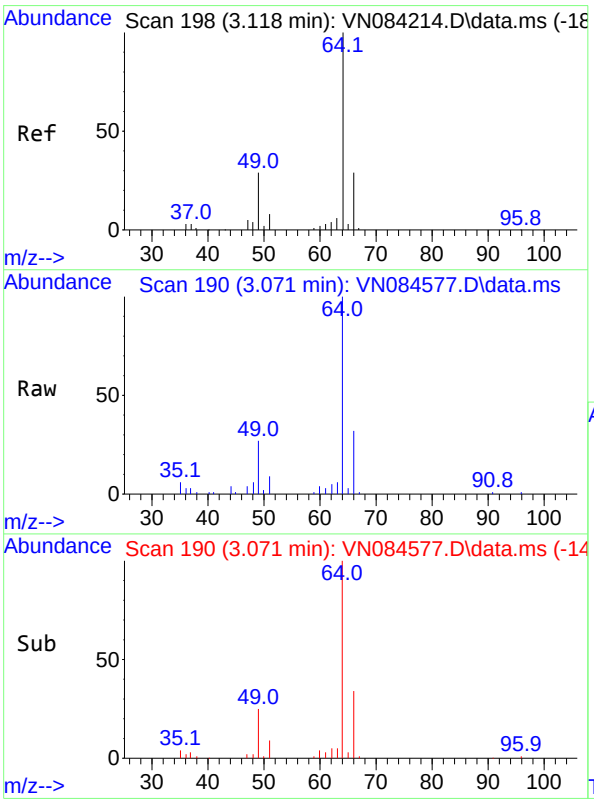
#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 94 Resp: 54764

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3

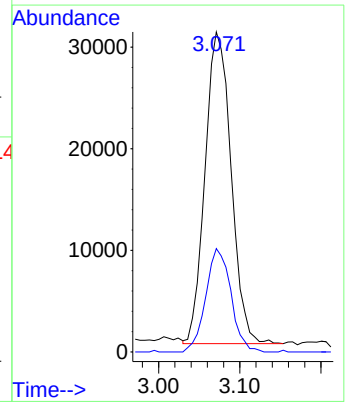


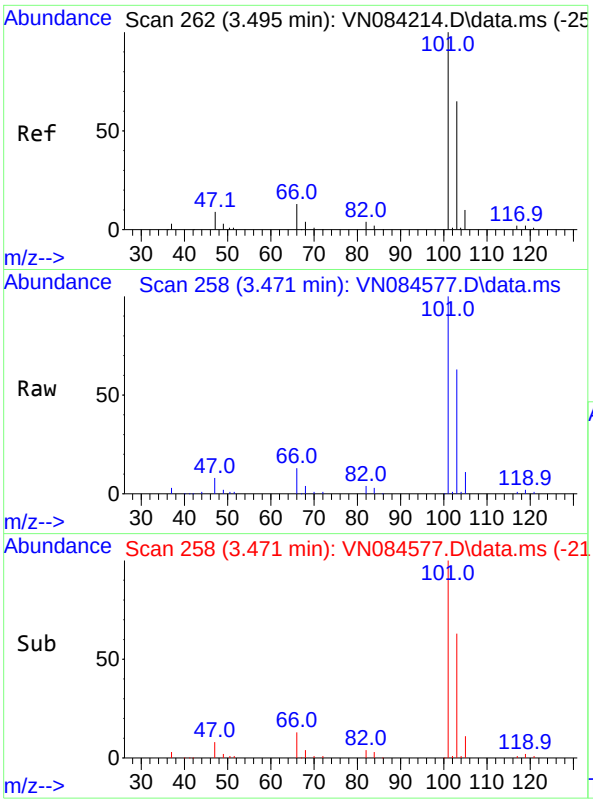


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3



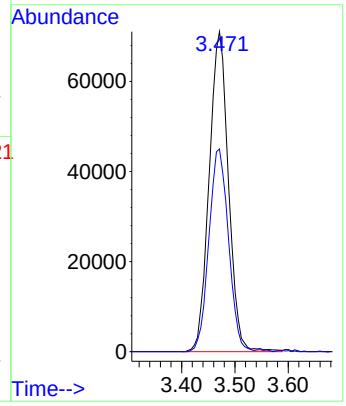


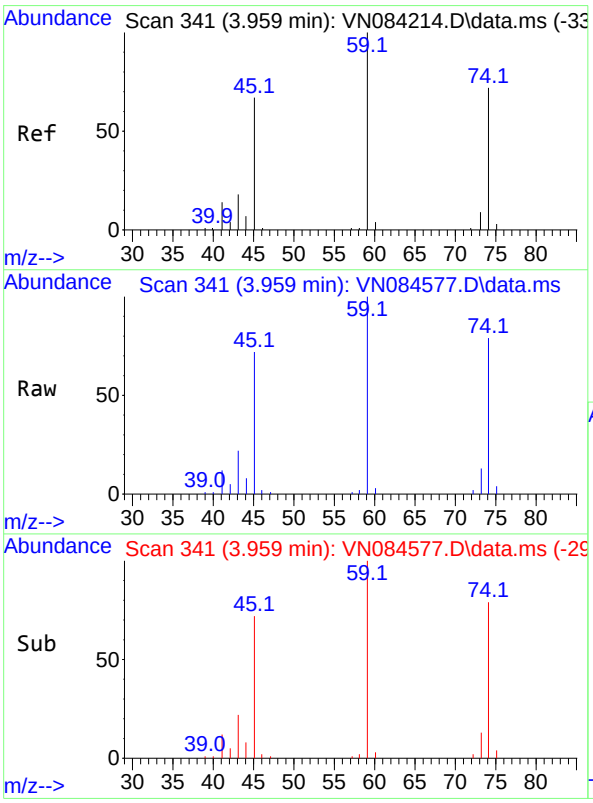
#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:101 Resp: 178683

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

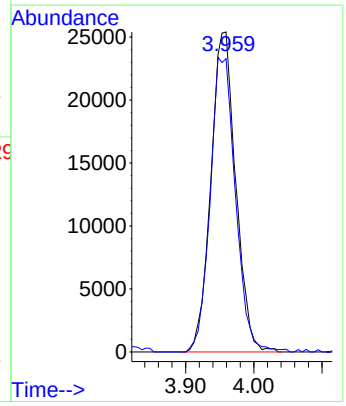


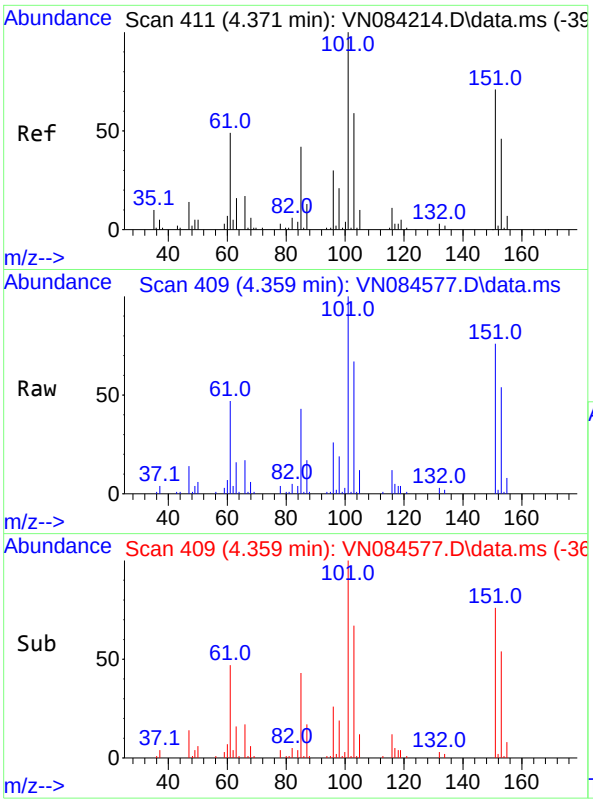


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1



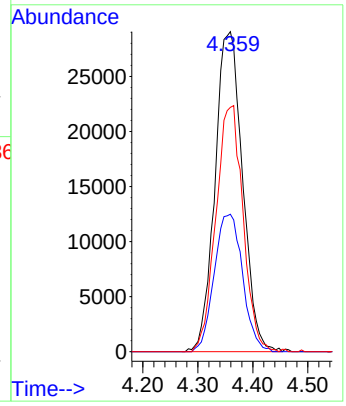


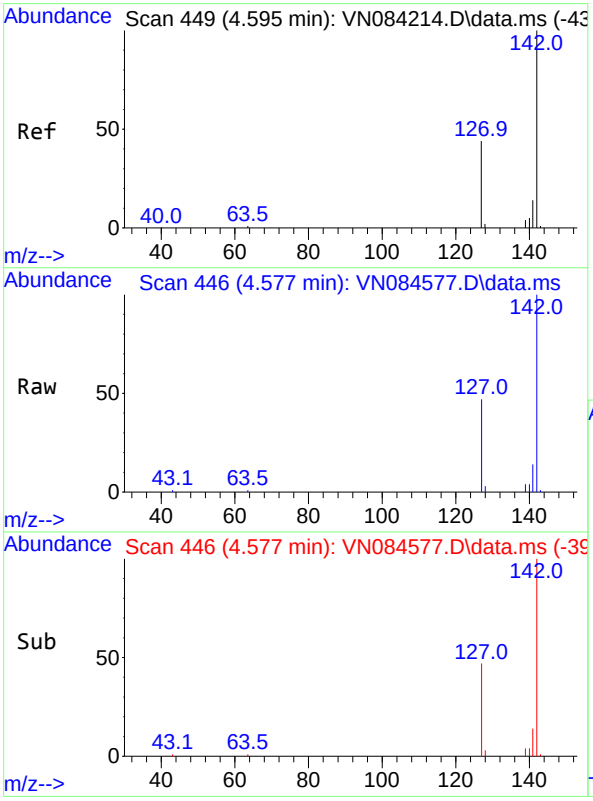
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:101 Resp: 101094

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.7	59.3	88.9

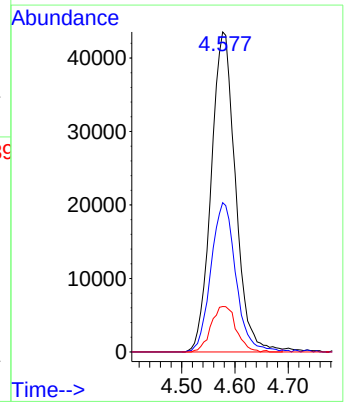


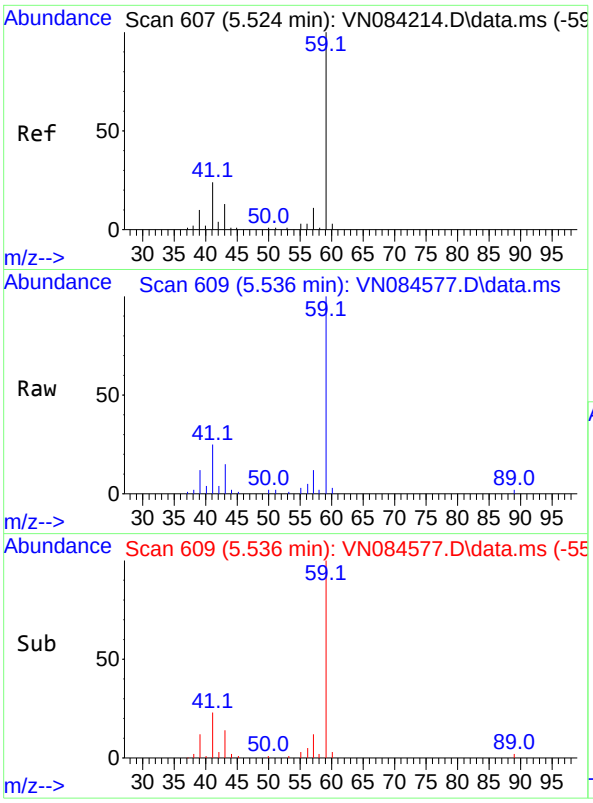


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:142 Resp: 137594

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	14.2	11.0	16.6



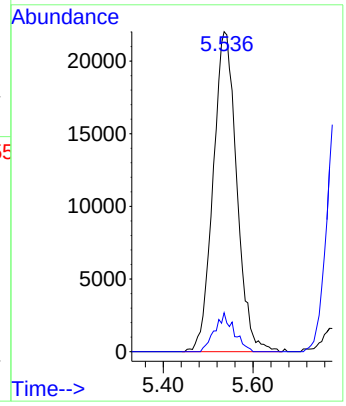


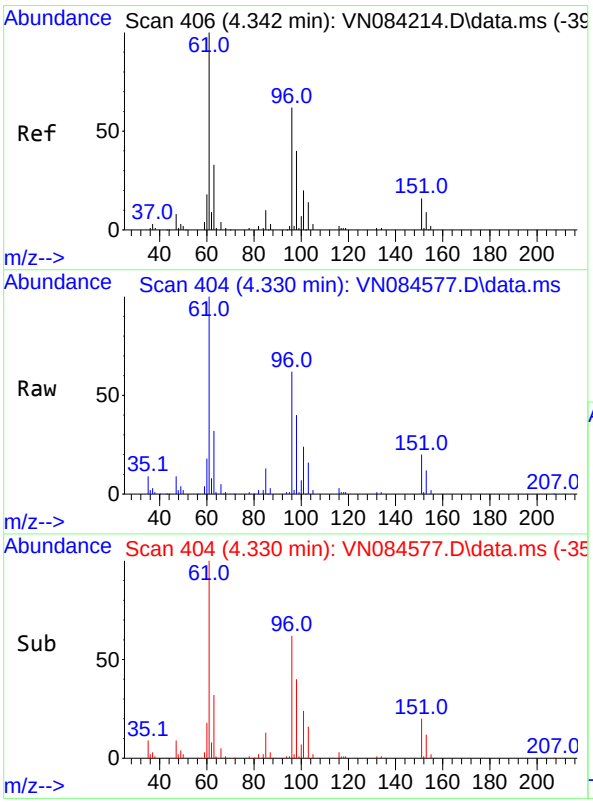
#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 59 Resp: 80556

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

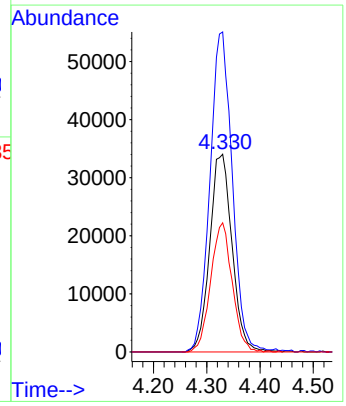


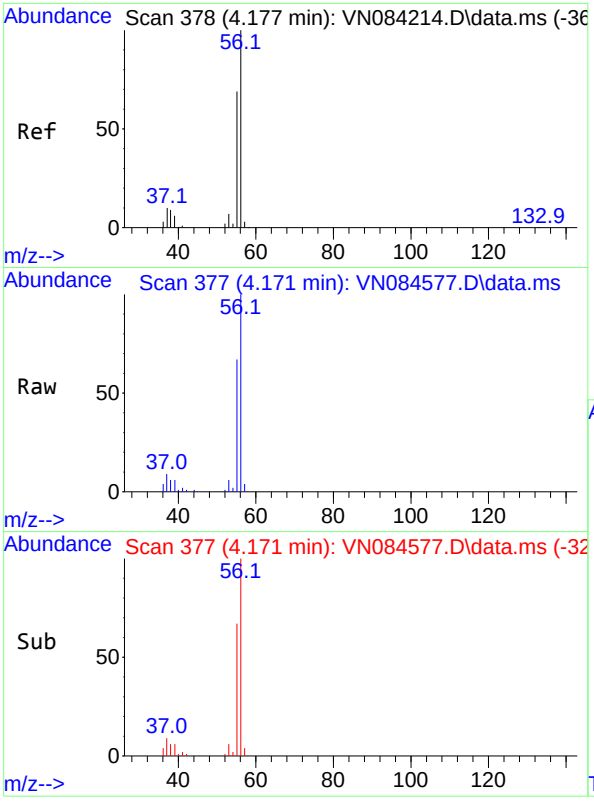


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 99235

Ion	Ratio	Lower	Upper
96	100		
61	161.8	128.6	192.8
98	65.3	51.7	77.5



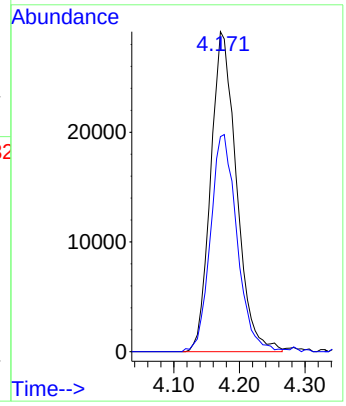


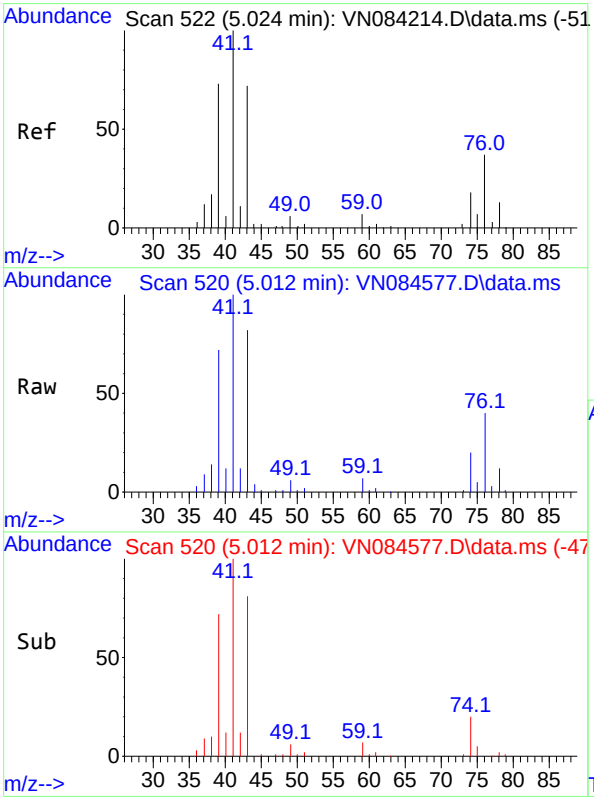
#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 56 Resp: 79788

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8

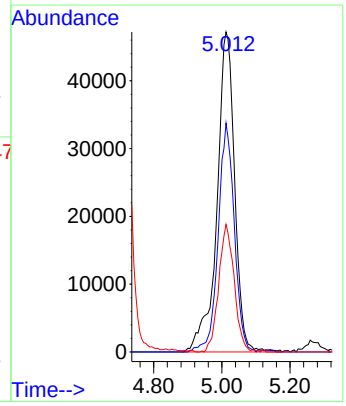


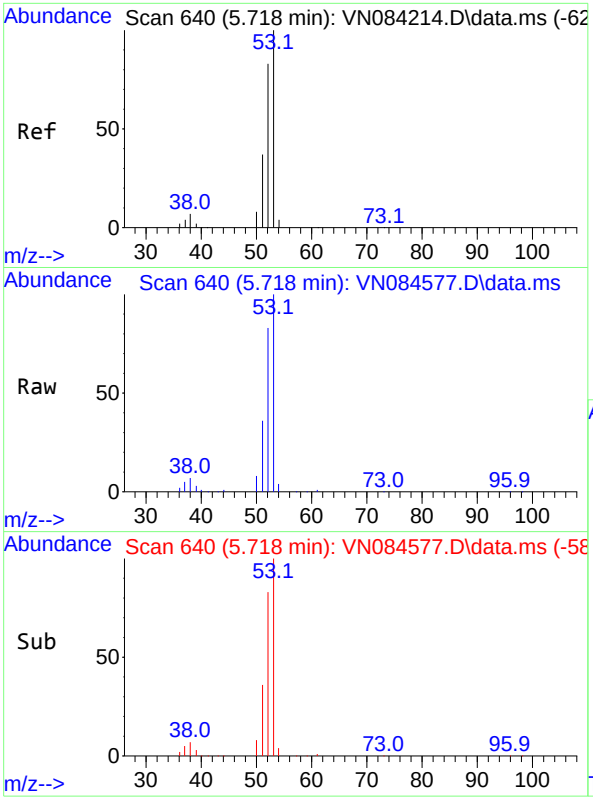


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 170293

Ion	Ratio	Lower	Upper
41	100		
39	65.0	59.0	88.6
76	34.8	29.8	44.6



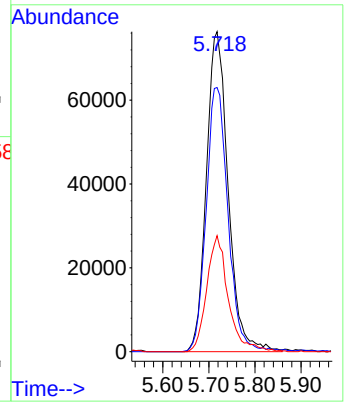


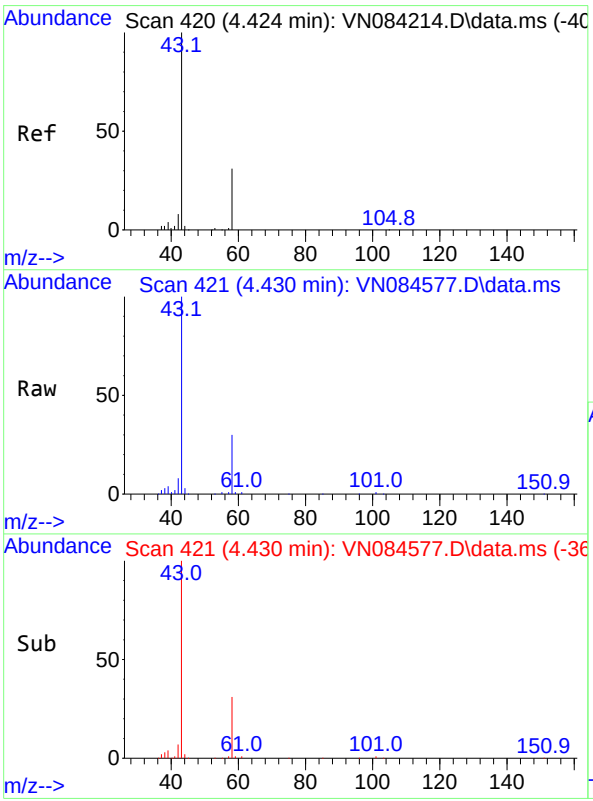
#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 53 Resp: 251141

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.9	28.8	43.2

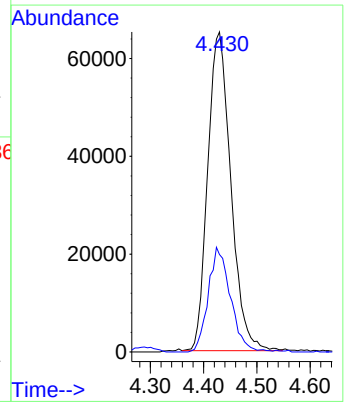


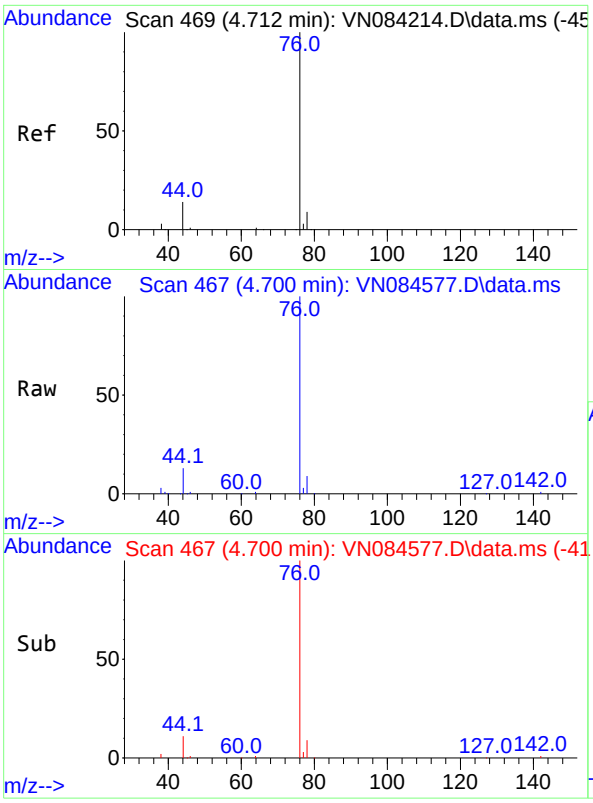


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6



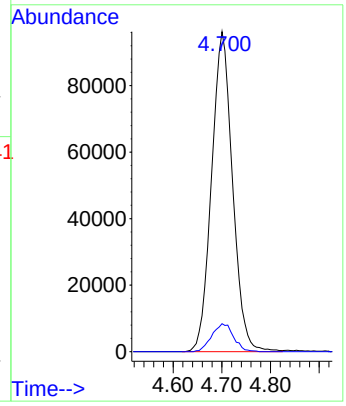


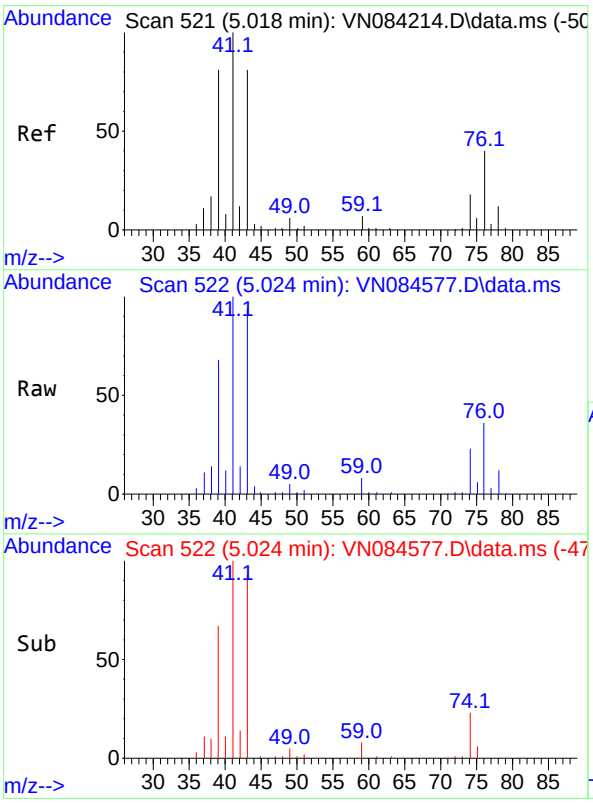
#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 287697

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

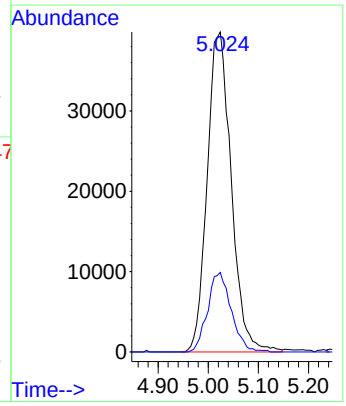


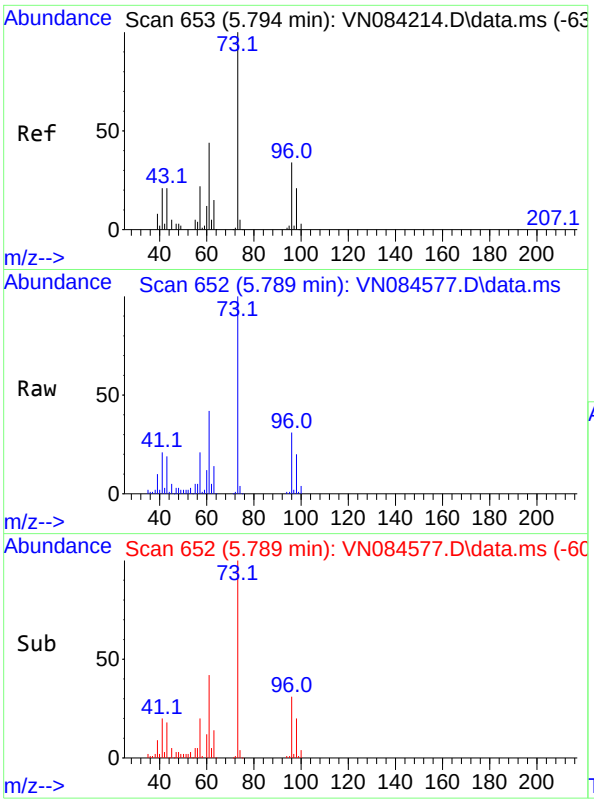


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



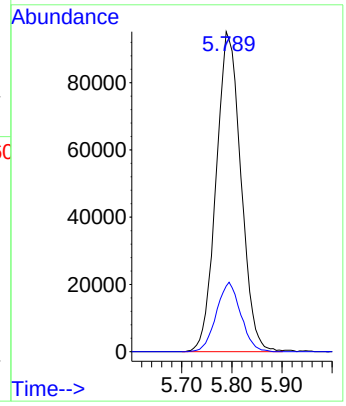


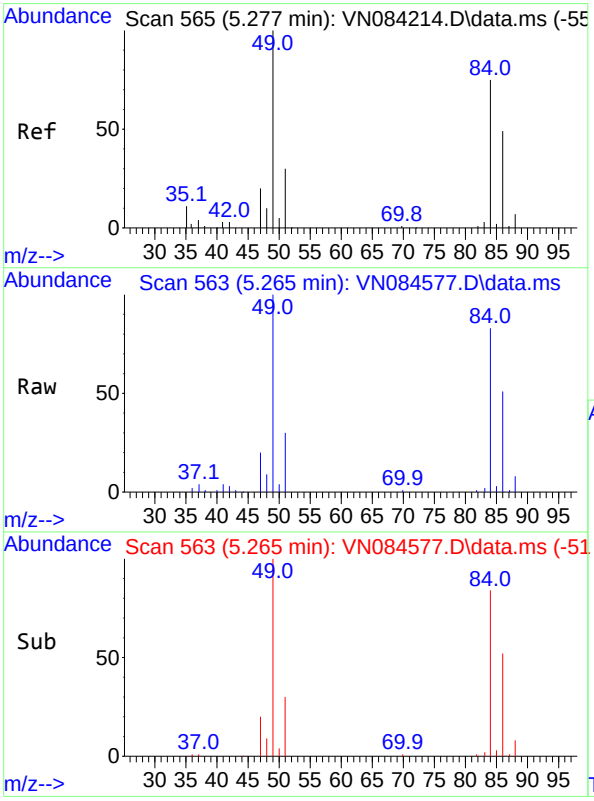
#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 73 Resp: 326067

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

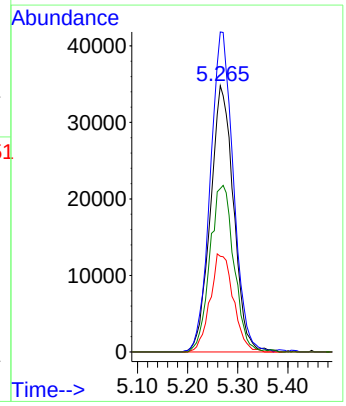


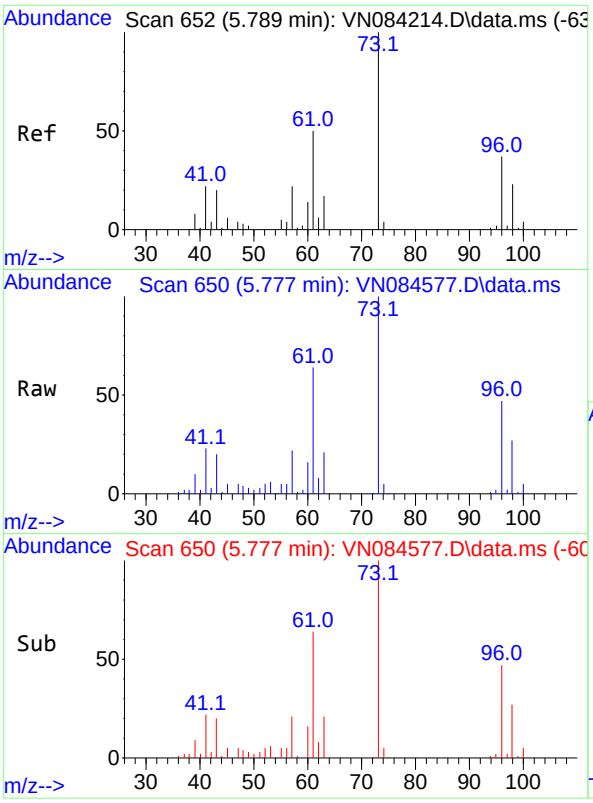


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 84 Resp: 111618

Ion	Ratio	Lower	Upper
84	100		
49	120.2	107.2	160.8
51	36.0	31.8	47.8
86	61.4	52.9	79.3



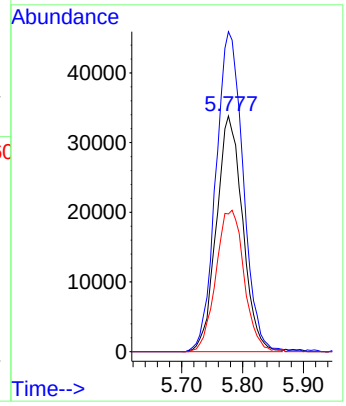


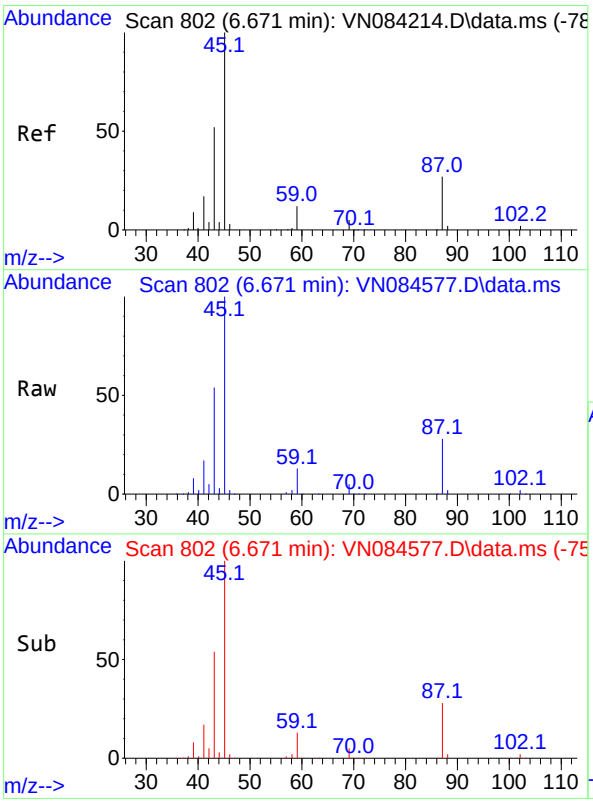
#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 96 Resp: 101181

Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.4	162.6
98	58.5	49.8	74.8

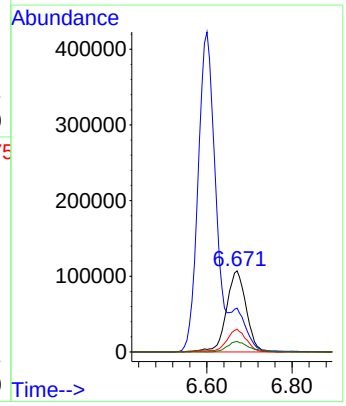


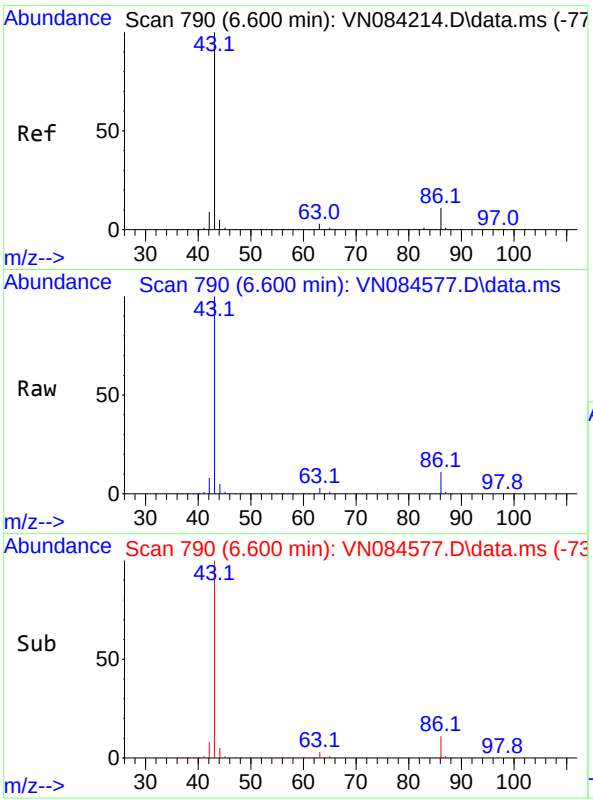


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 45 Resp: 343763

Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.3	63.5
87	28.1	21.8	32.6
59	13.1	9.6	14.4



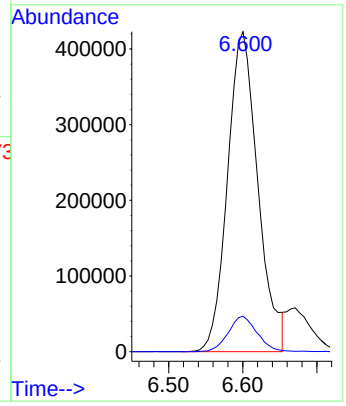


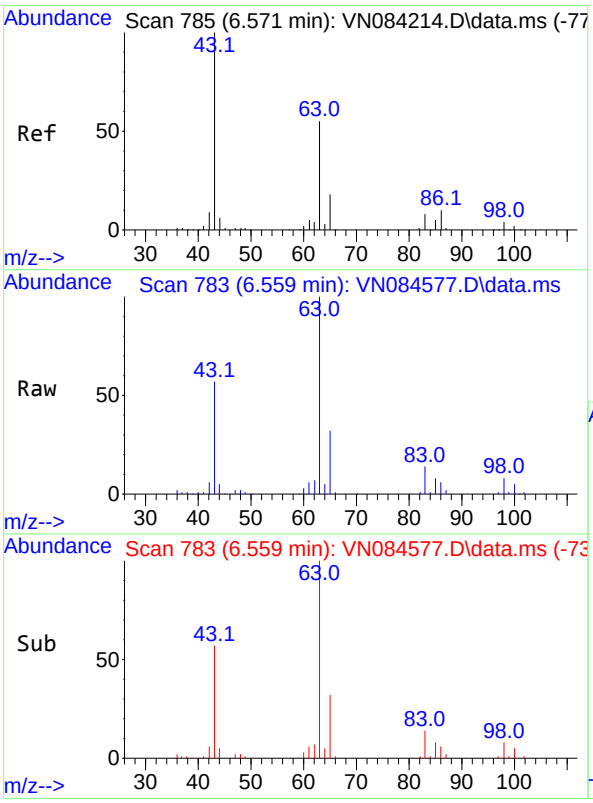
#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 1204384

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

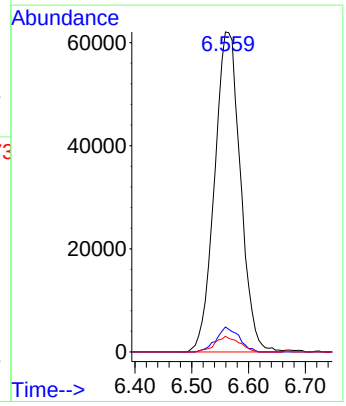


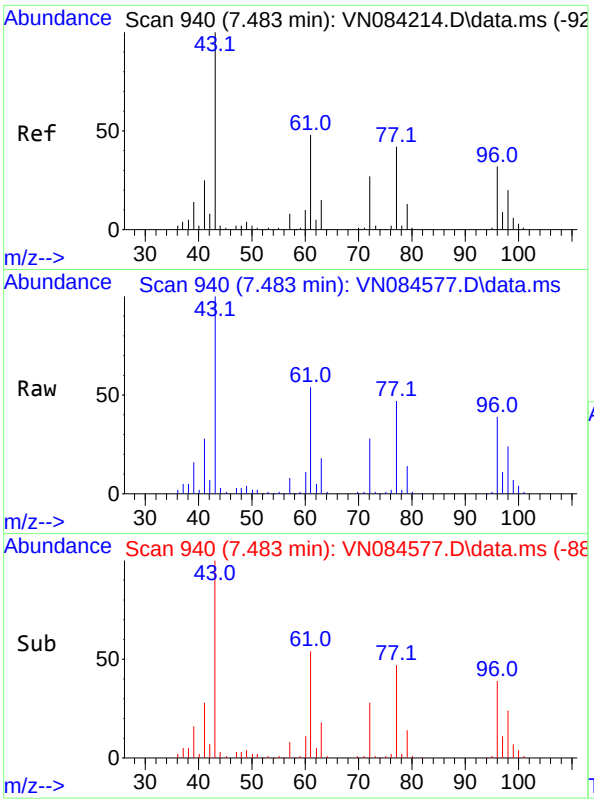


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 196518

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	4.9	2.0	5.8



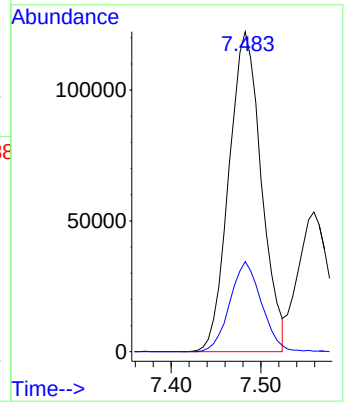


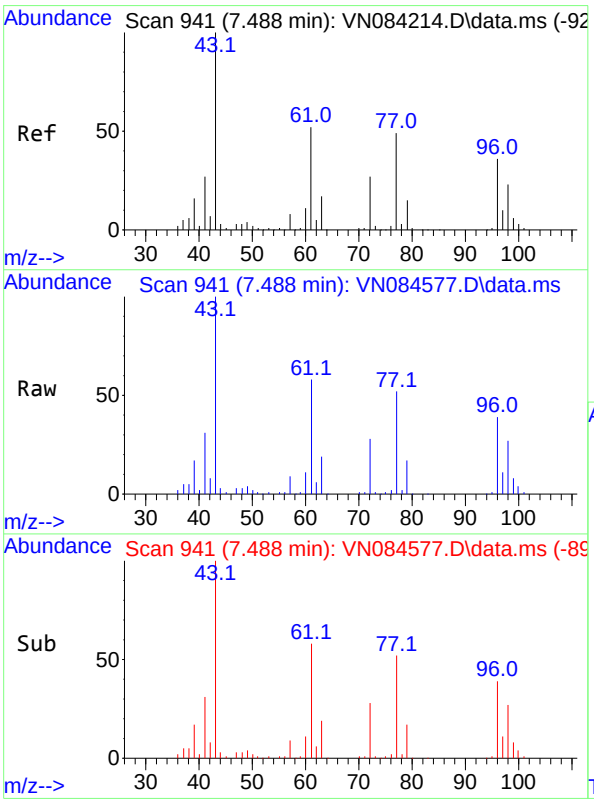
#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 307765

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

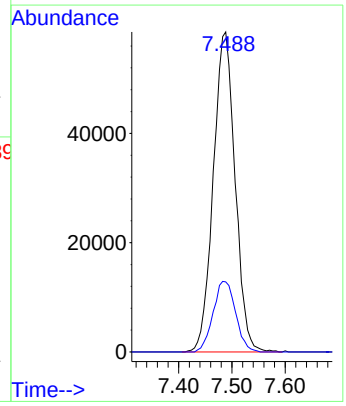


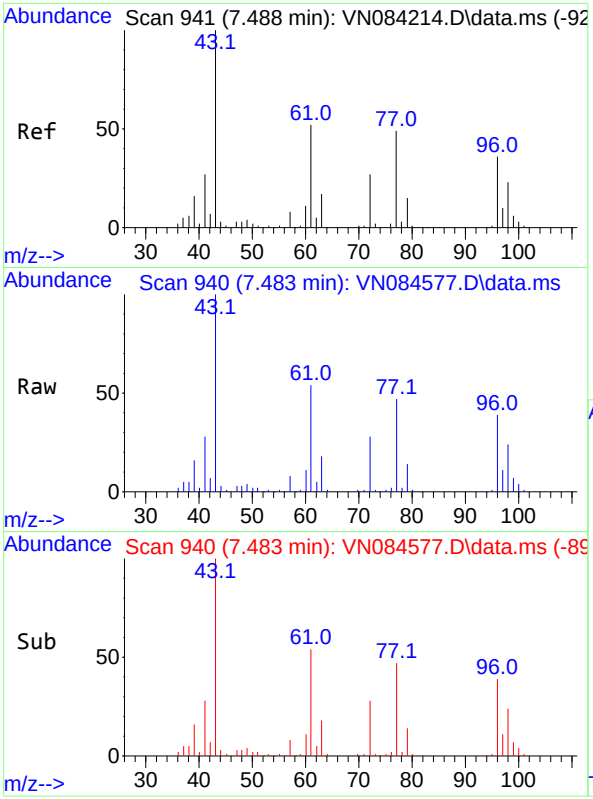


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3



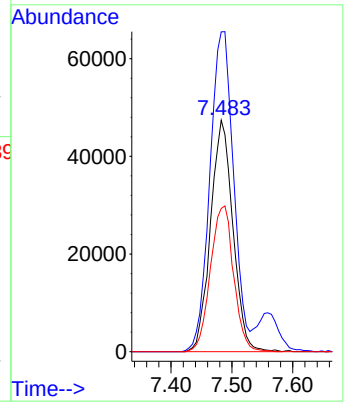


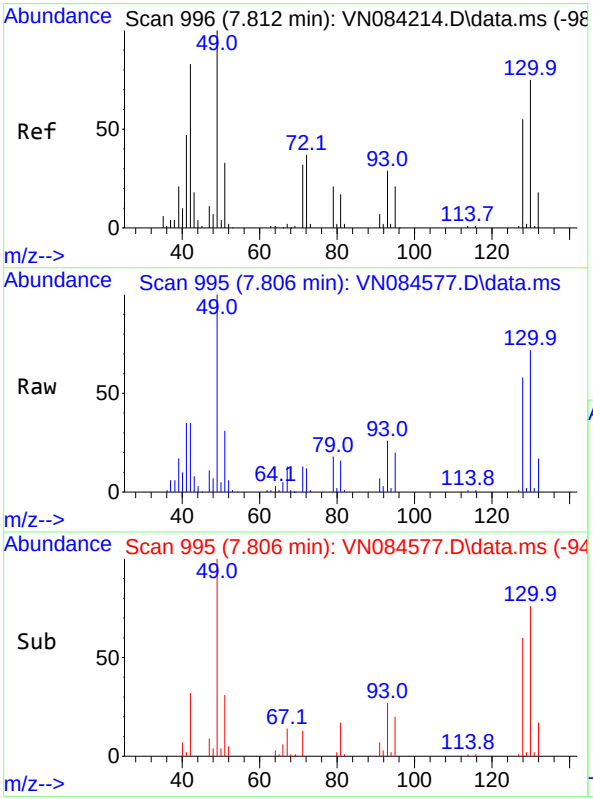
#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 96 Resp: 121280

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.8
98	65.2	0.0	128.2

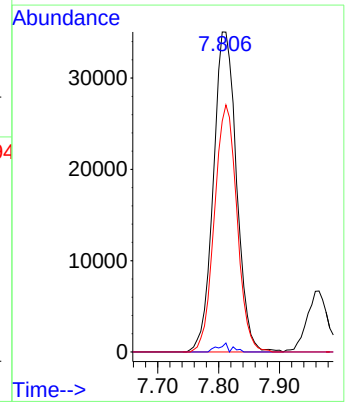


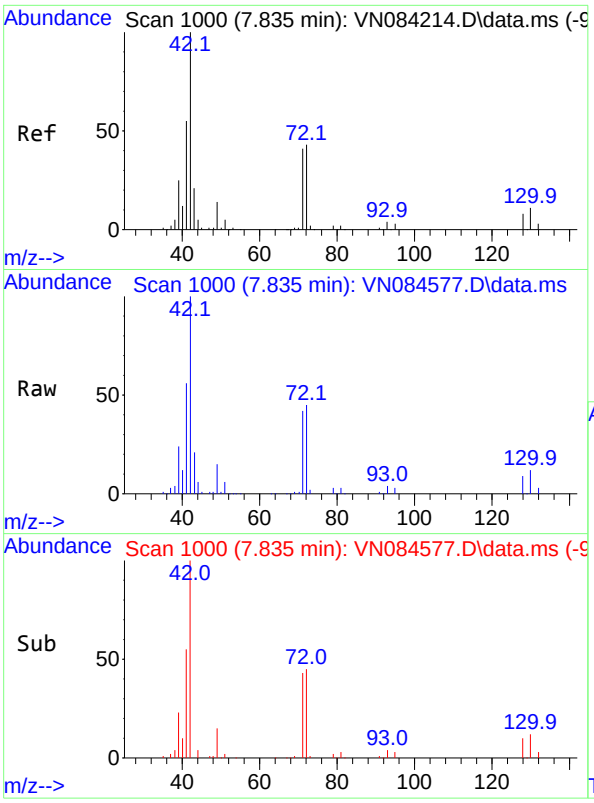


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 49 Resp: 92741

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	75.0	58.0	87.0



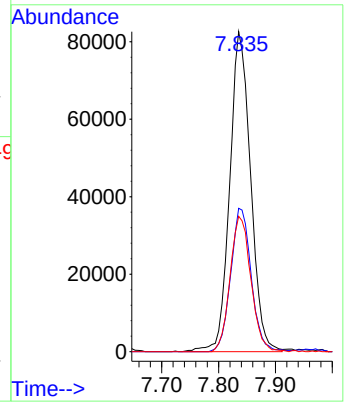


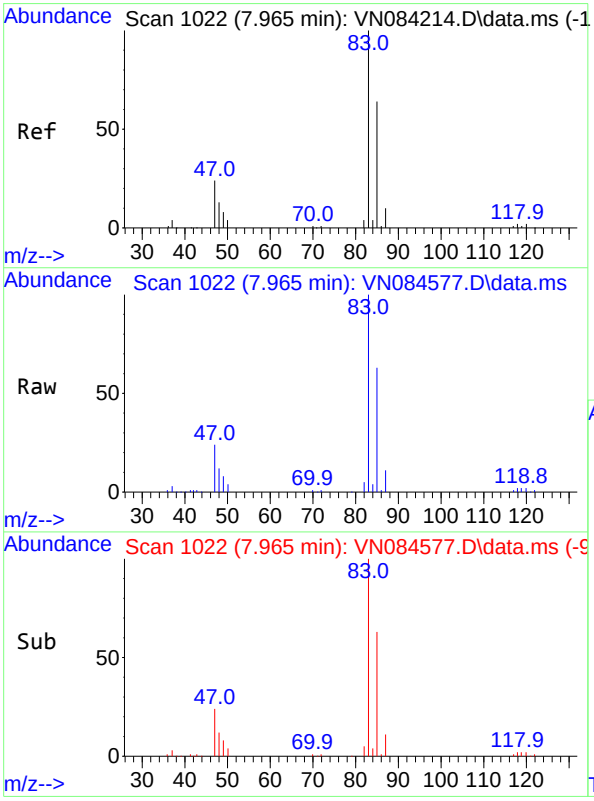
#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 42 Resp: 211210

Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	42.1	32.2	48.4

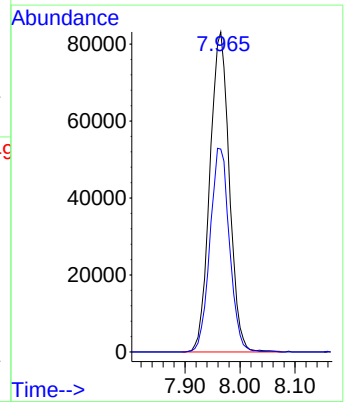


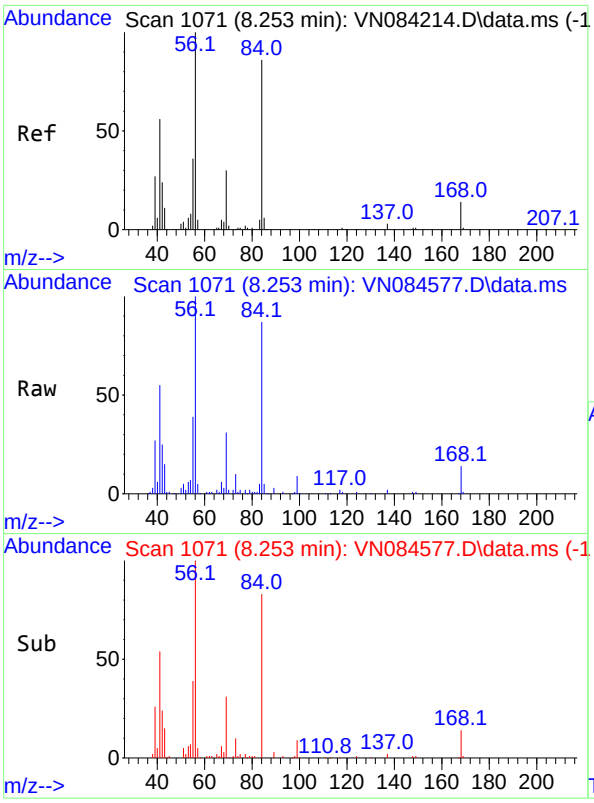


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



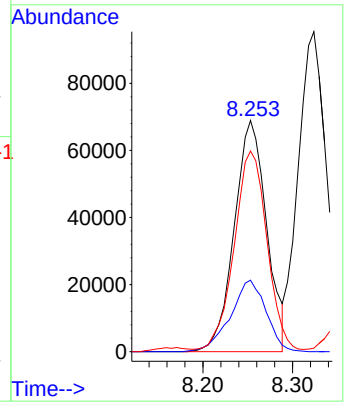


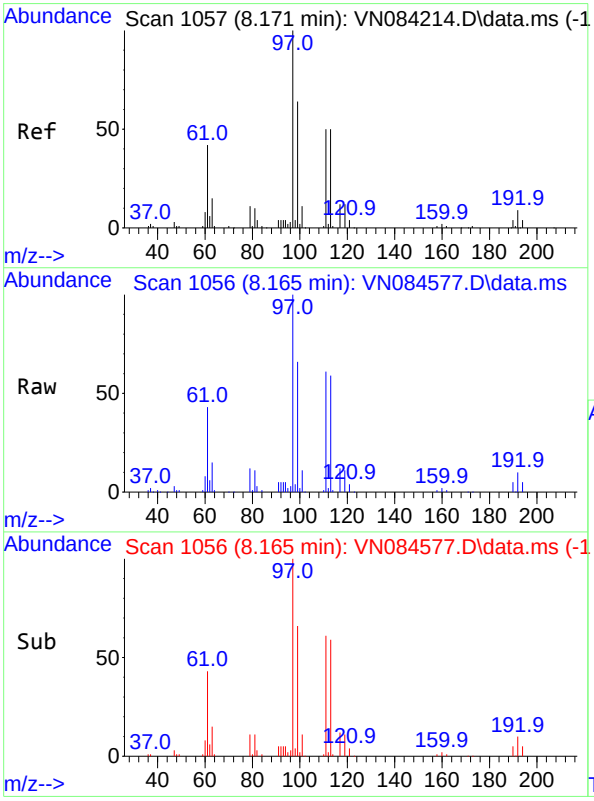
#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 56 Resp: 172671

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.4	68.8	103.2

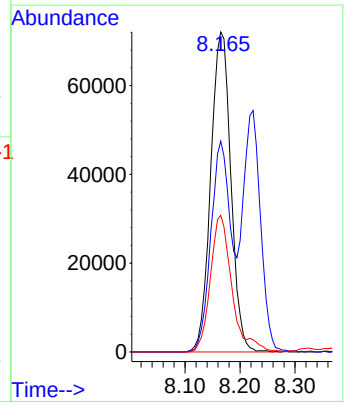


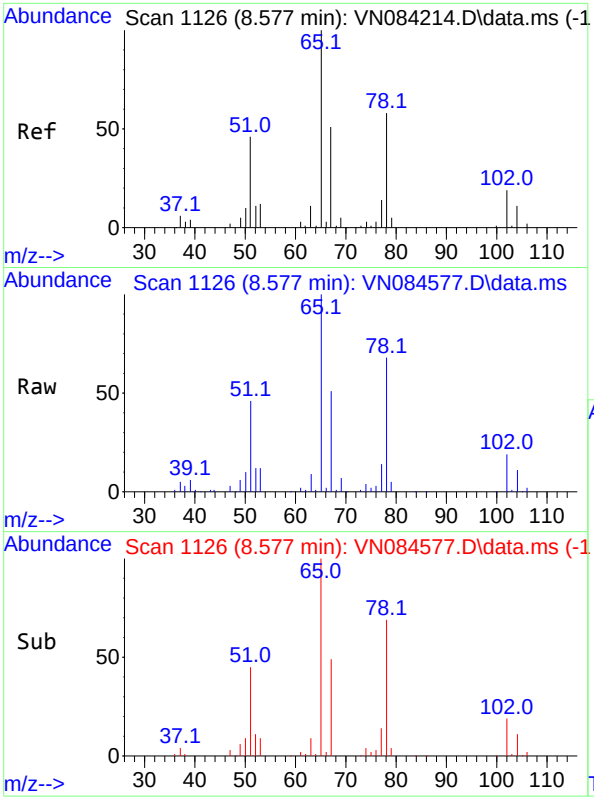


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 183488

Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.2	76.8
61	45.6	37.5	56.3



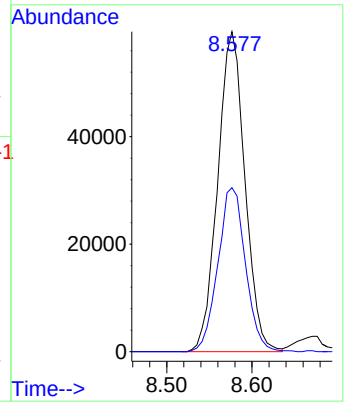


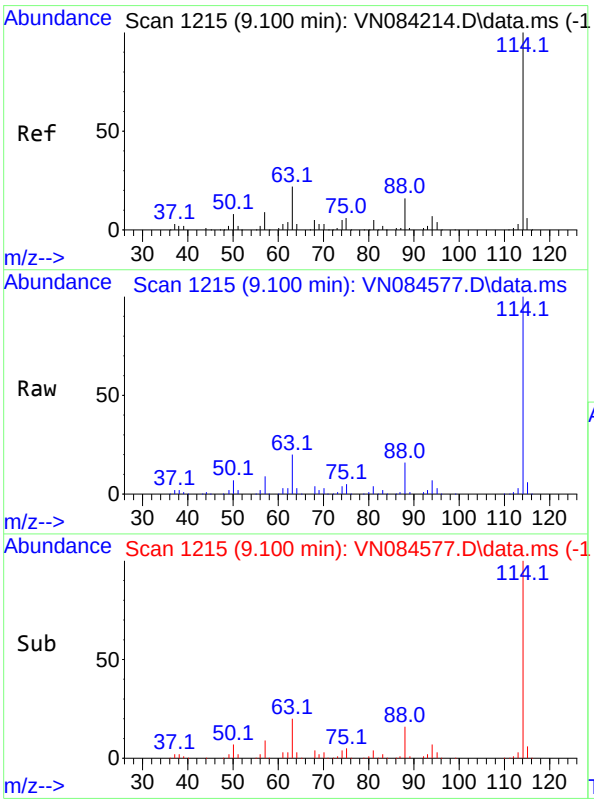
#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 65 Resp: 132029

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

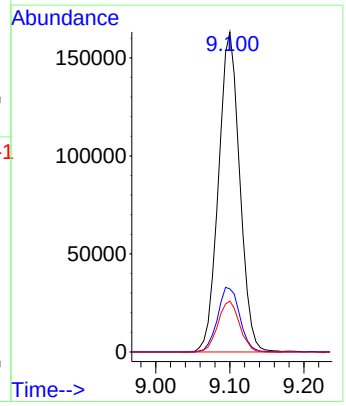


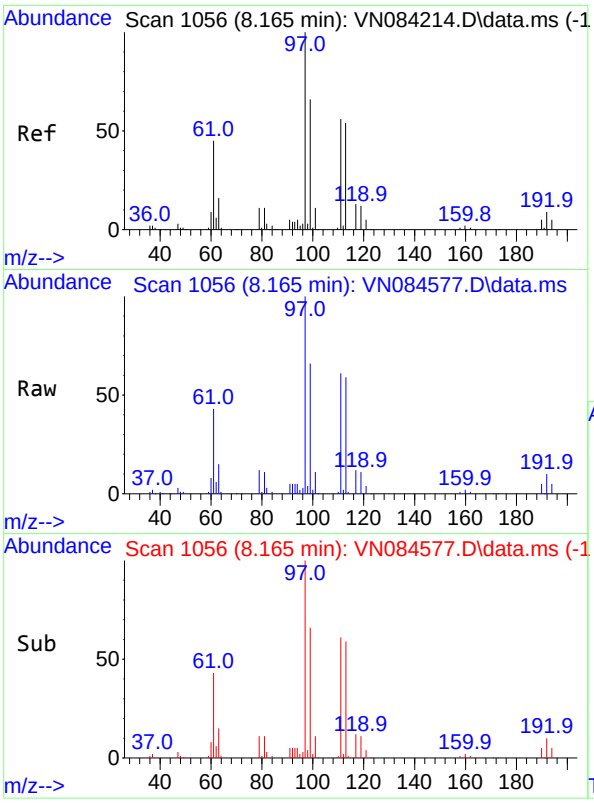


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:114 Resp: 324264

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	15.9	0.0	31.6



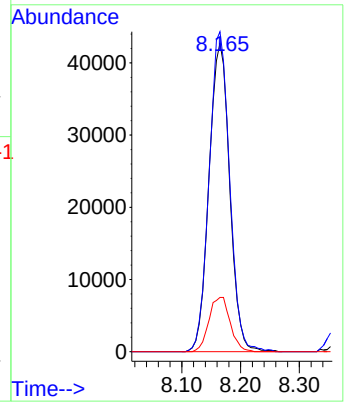


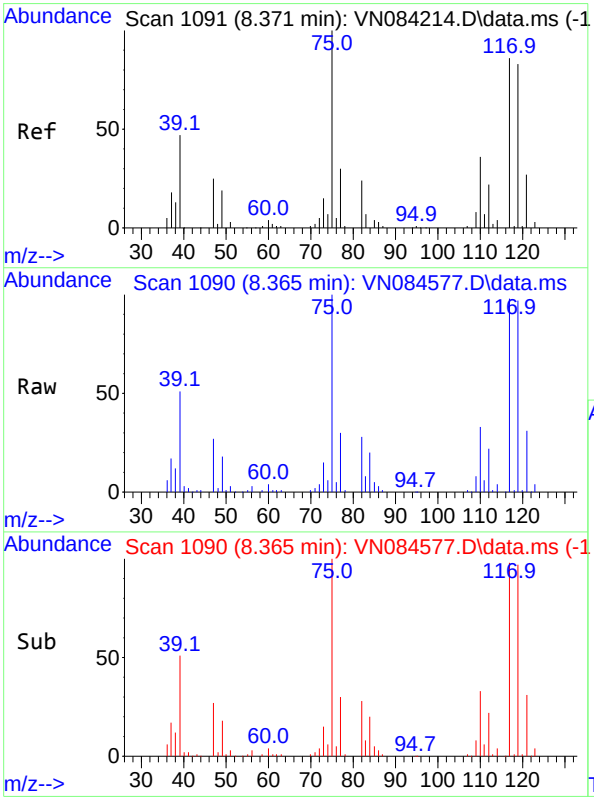
#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:113 Resp: 104306

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.1	13.5	20.3

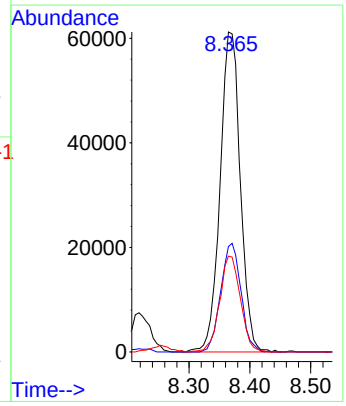


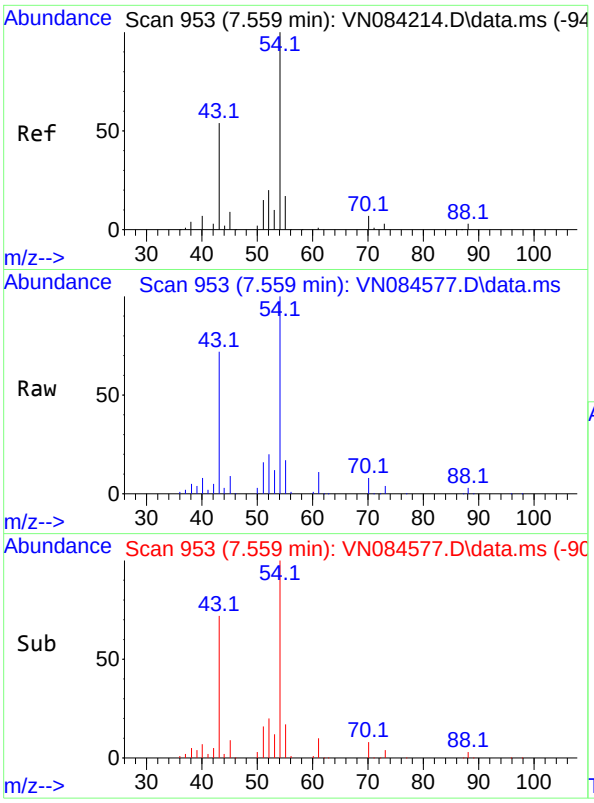


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 141152

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.7	24.7	37.1



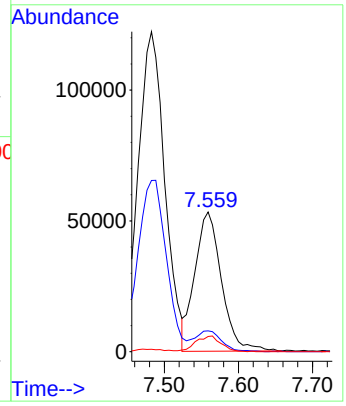


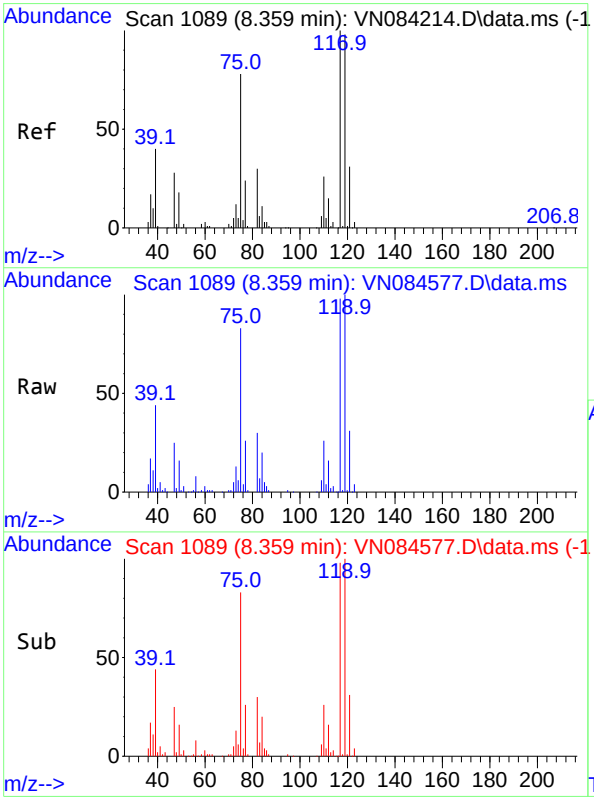
#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 132993

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.8	8.8	13.2

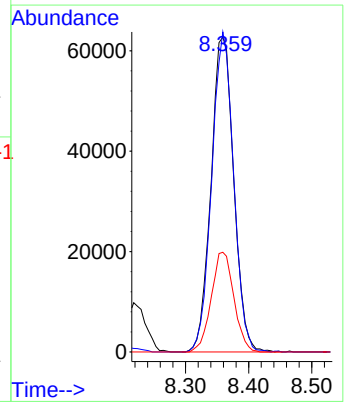


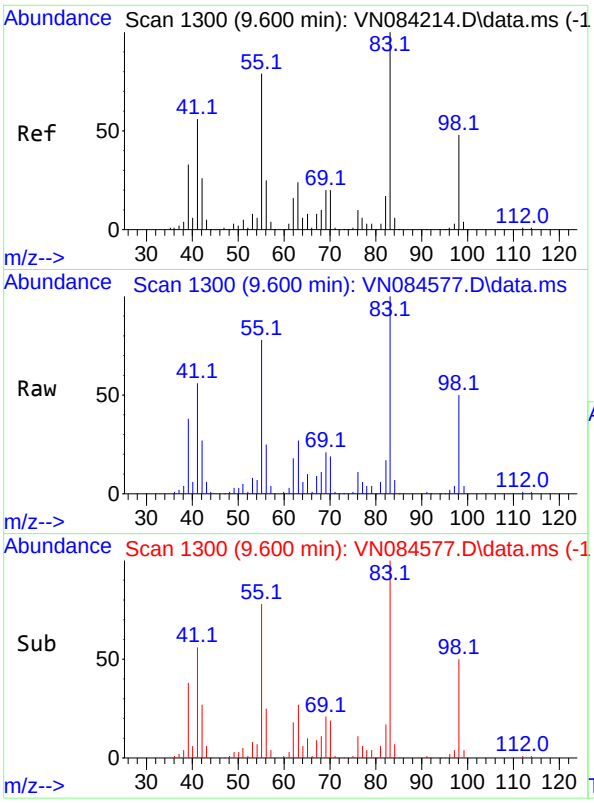


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 157005

Ion	Ratio	Lower	Upper
117	100		
119	101.6	78.7	118.1
121	31.7	24.4	36.6



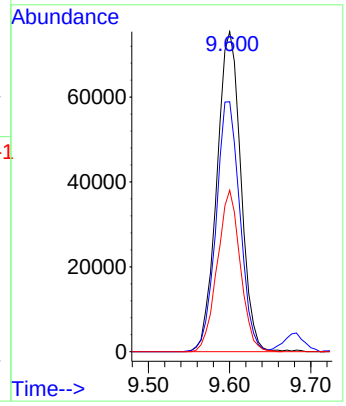


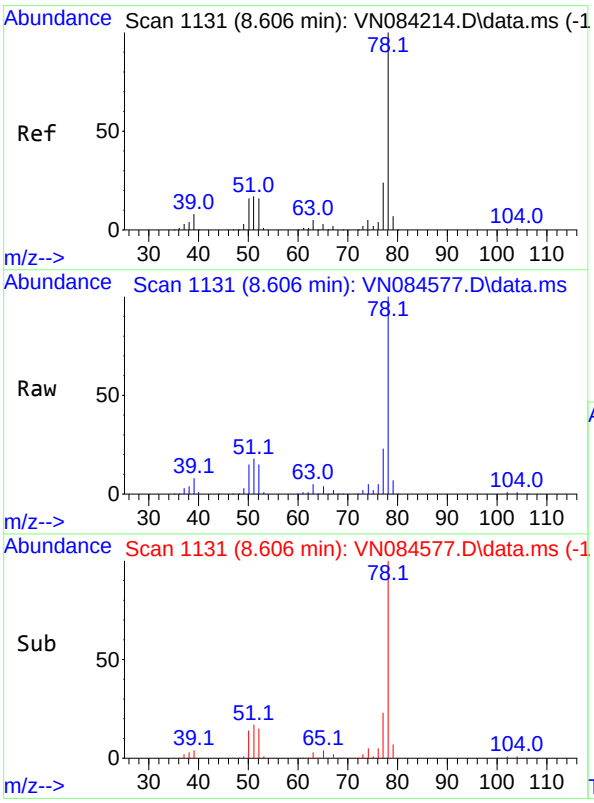
#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 154743

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	50.4	38.8	58.2

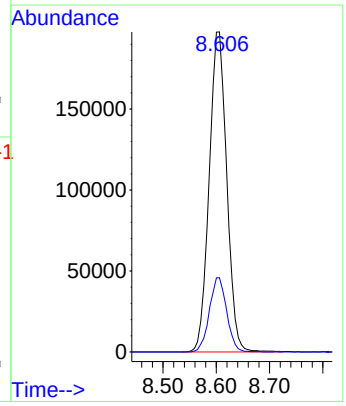


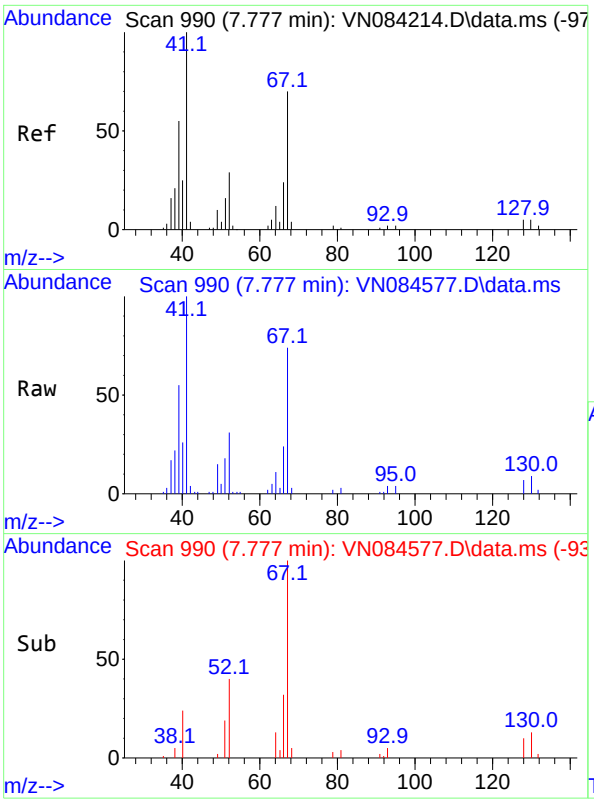


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



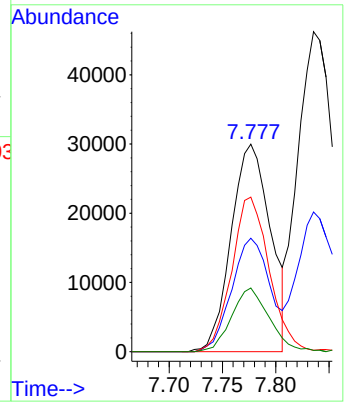


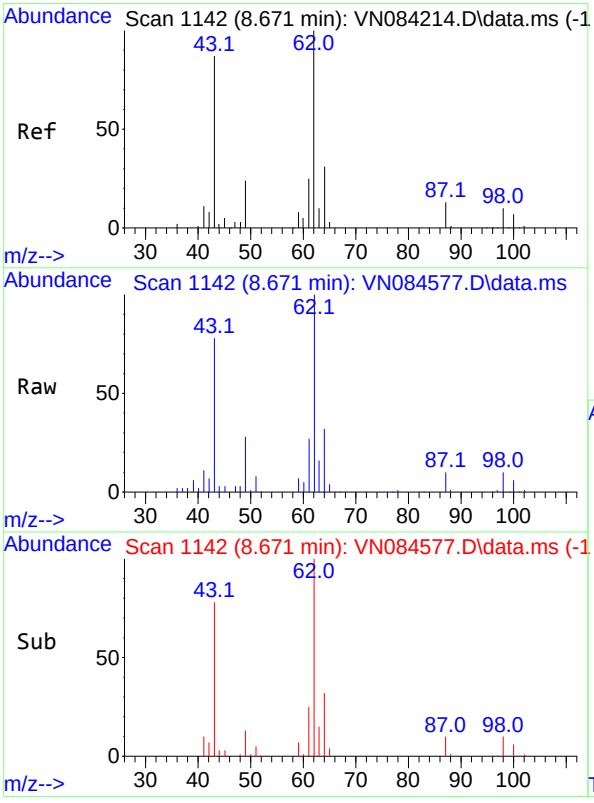
#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 41 Resp: 77176

Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	71.3	56.1	84.1
52	29.5	24.5	36.7

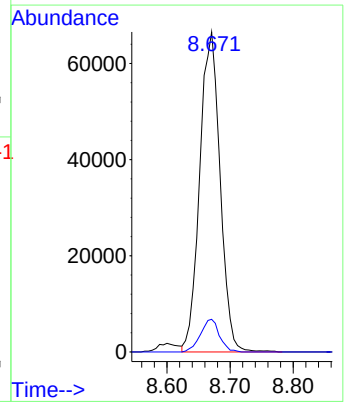


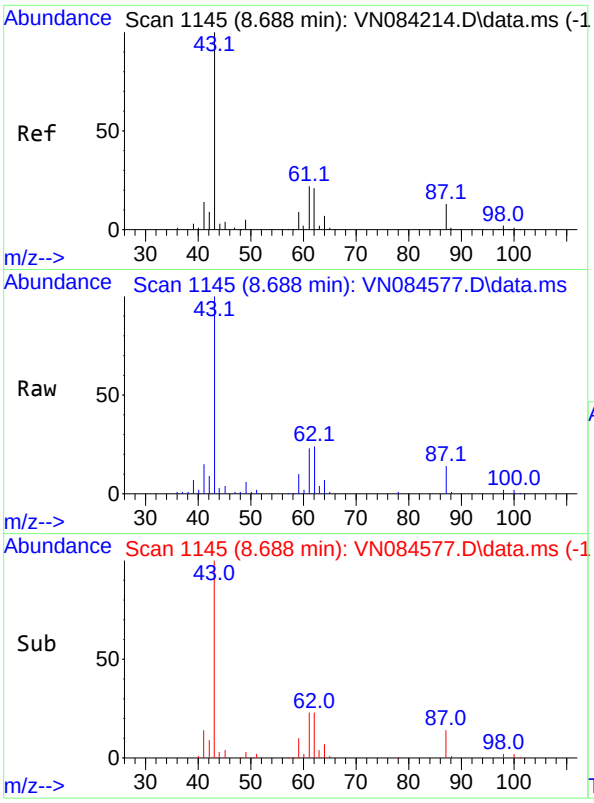


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



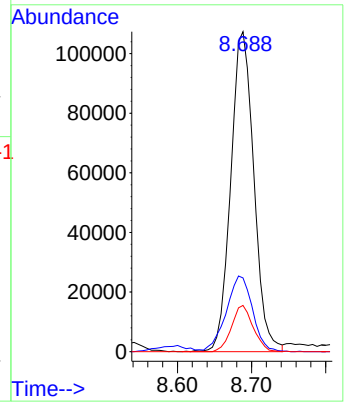


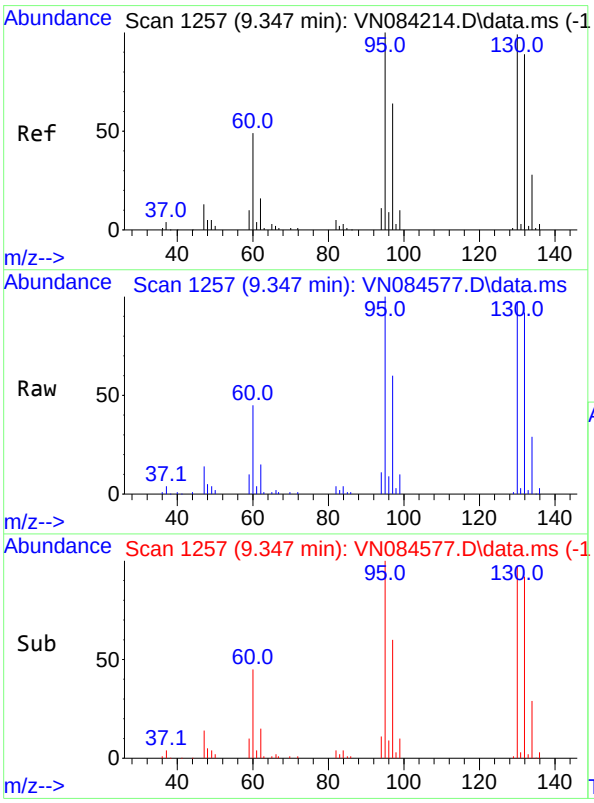
#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 232558

Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.5	10.3	15.5

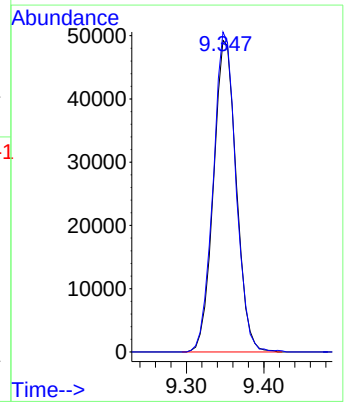


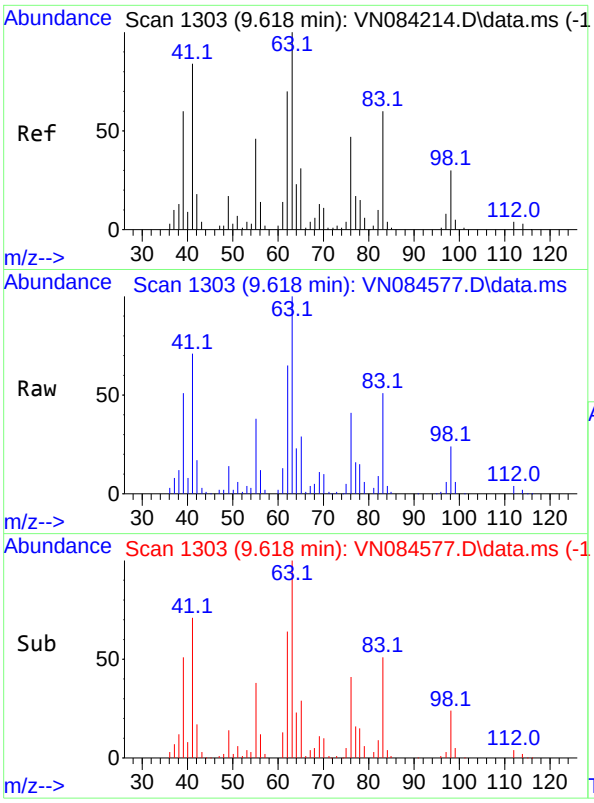


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0



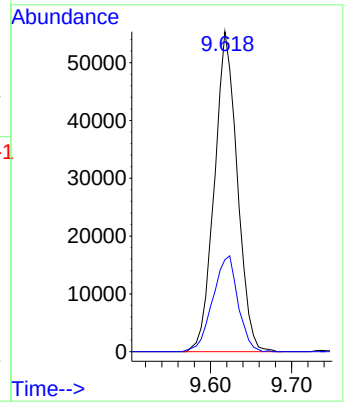


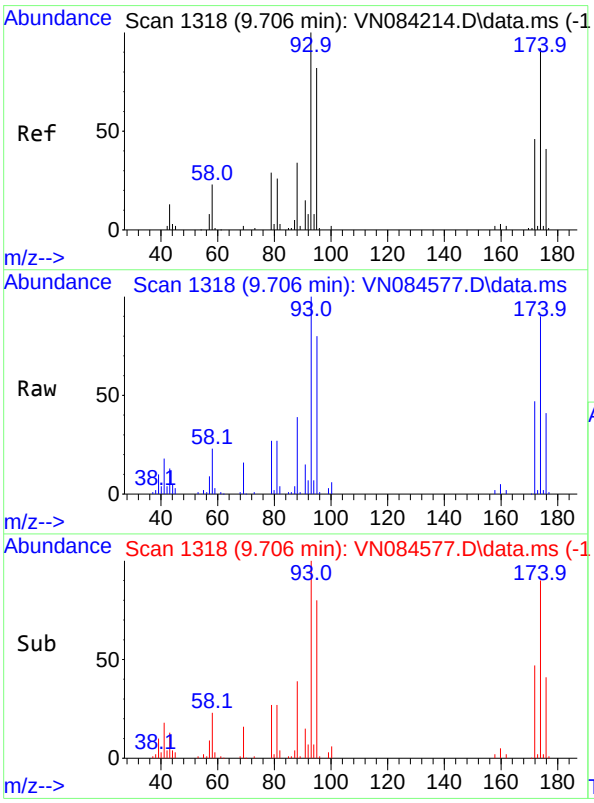
#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 63 Resp: 108229

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

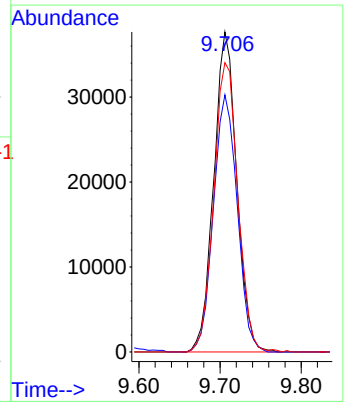


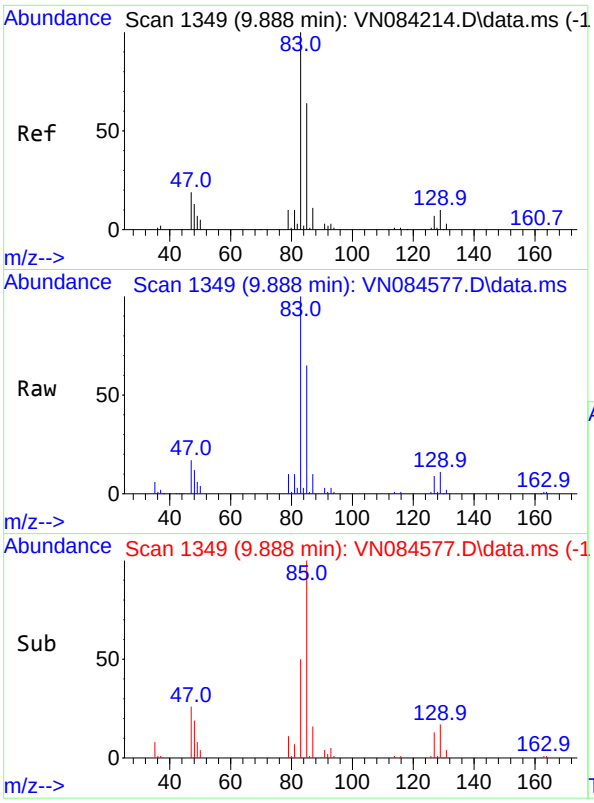


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 93 Resp: 74292

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.4
174	94.6	71.8	107.8



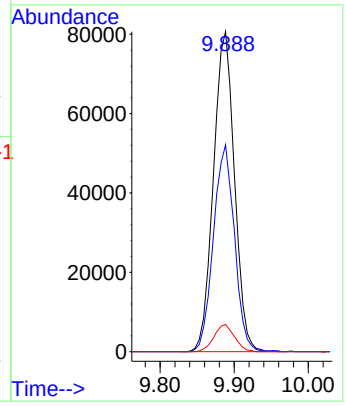


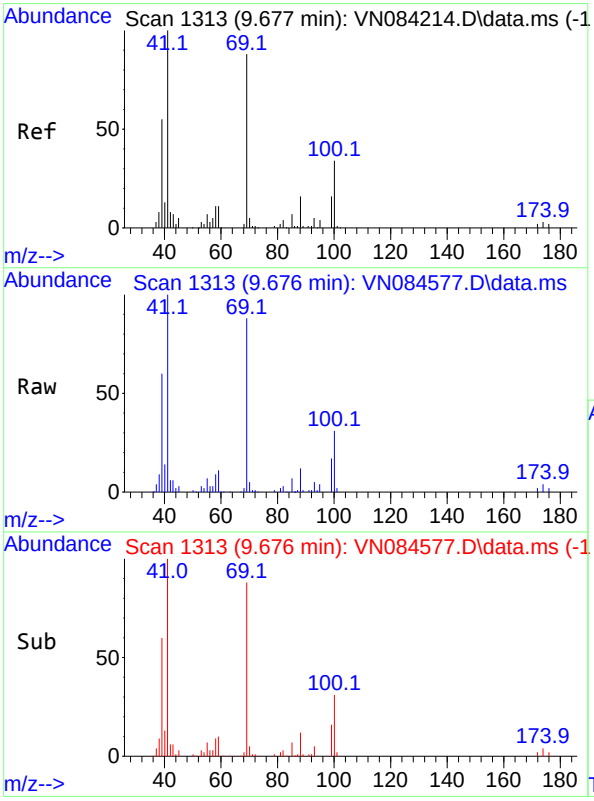
#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 158814

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.5	5.7	8.5#

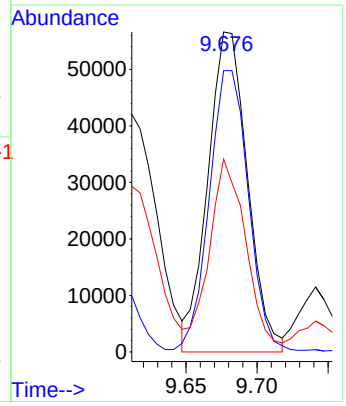


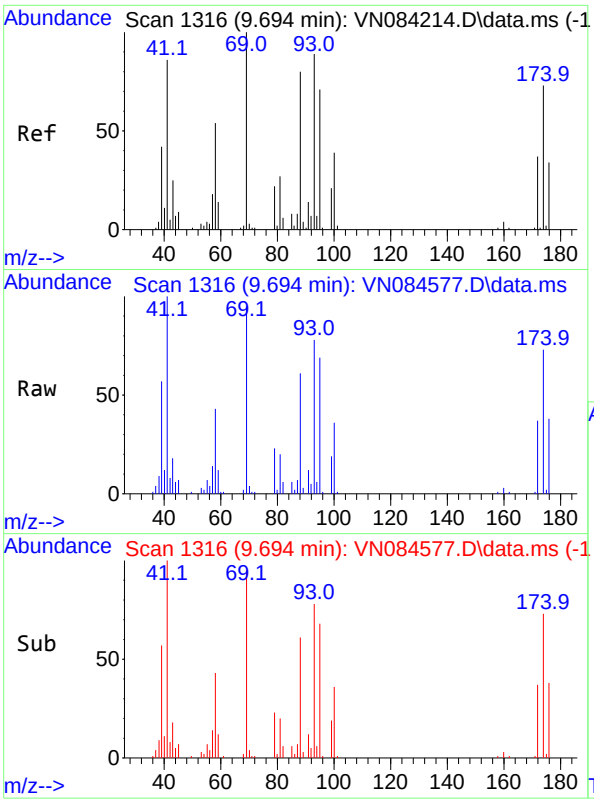


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 109745

Ion	Ratio	Lower	Upper
41	100		
69	87.5	67.1	100.7
39	56.5	45.8	68.6



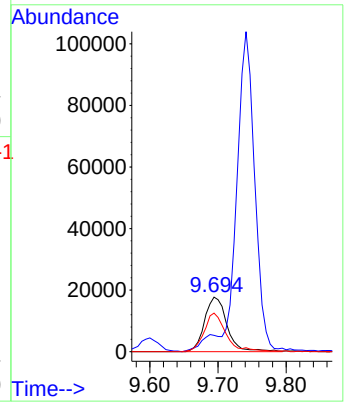


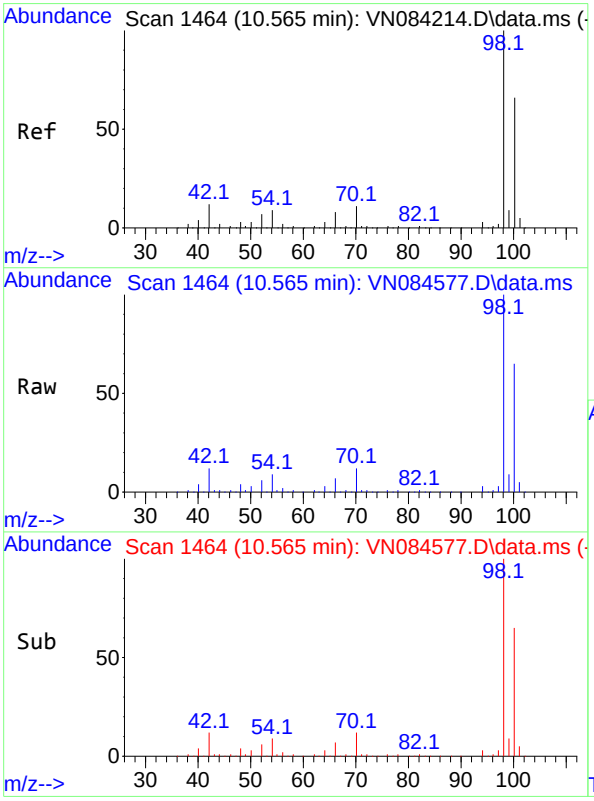
#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 88 Resp: 40527

Ion	Ratio	Lower	Upper
88	100		
43	24.5	25.3	37.9#
58	69.9	56.4	84.6

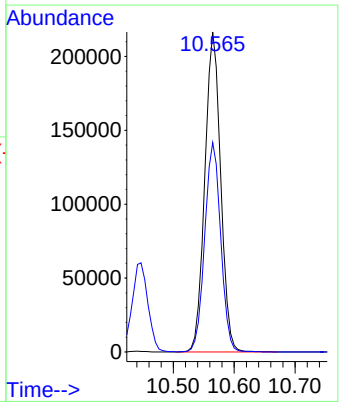


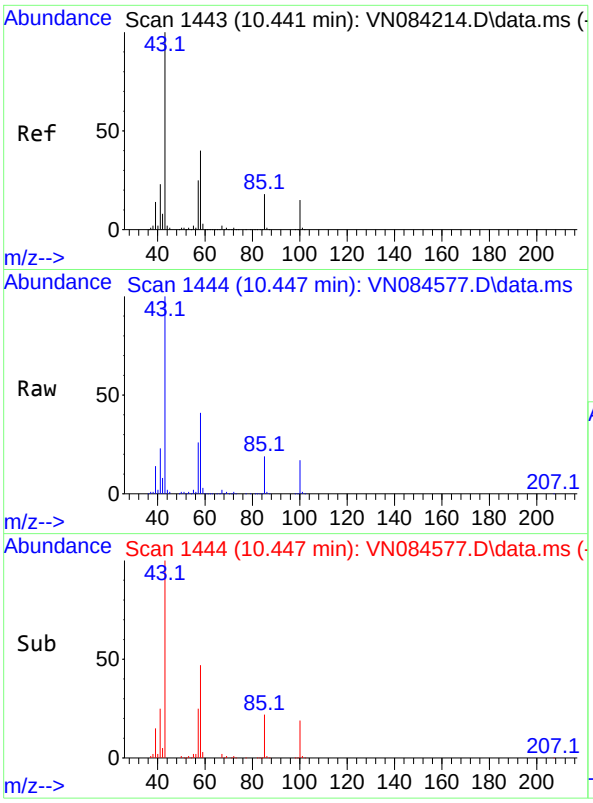


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



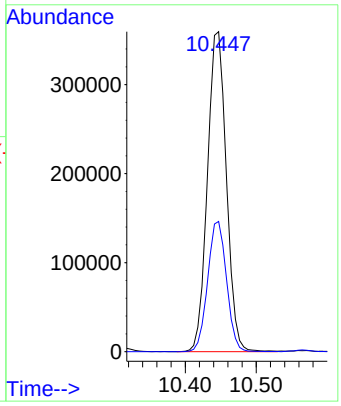


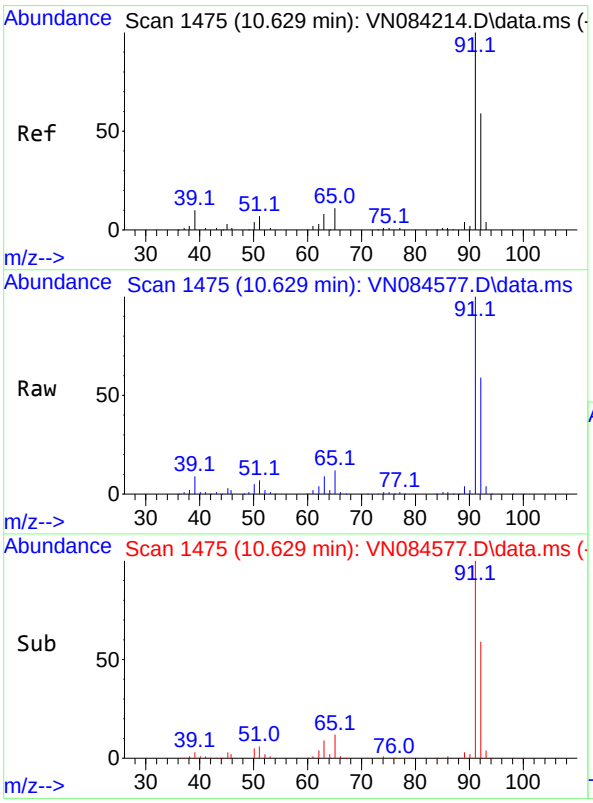
#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 665397

Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4

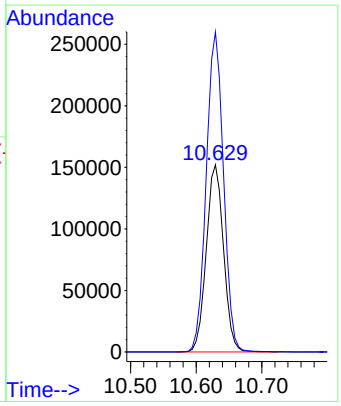


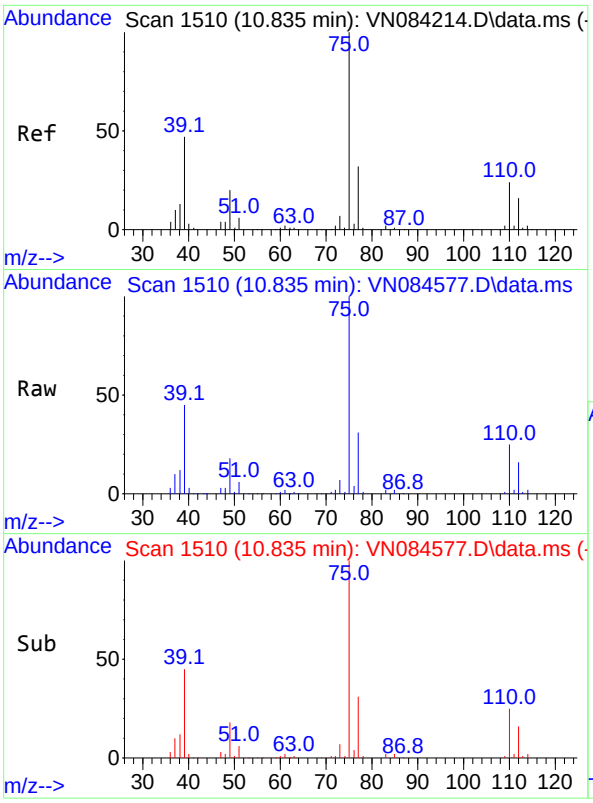


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



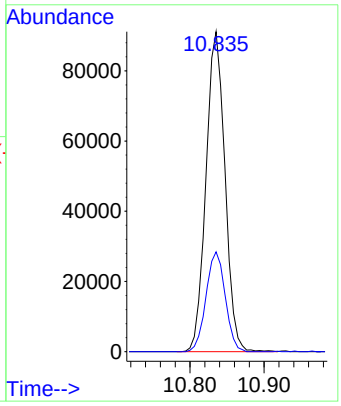


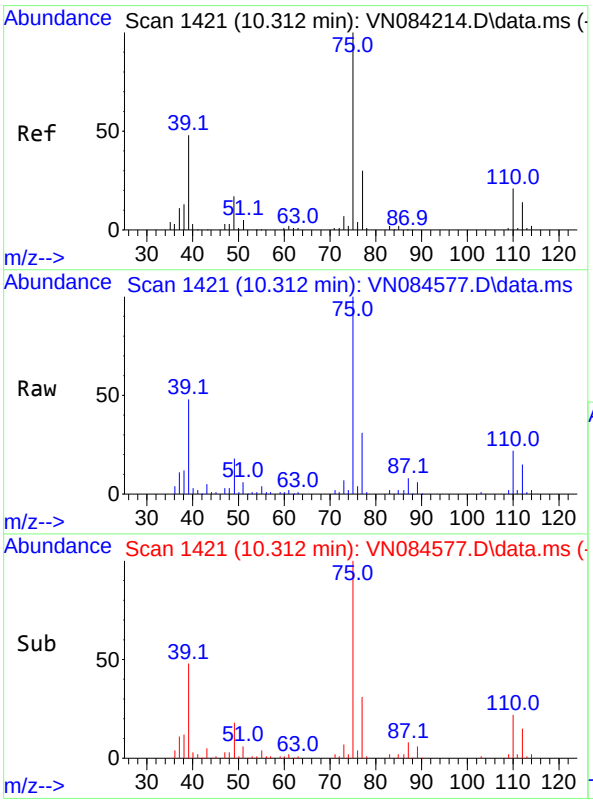
#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 75 Resp: 162100

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

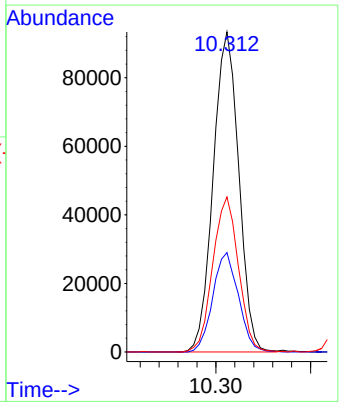


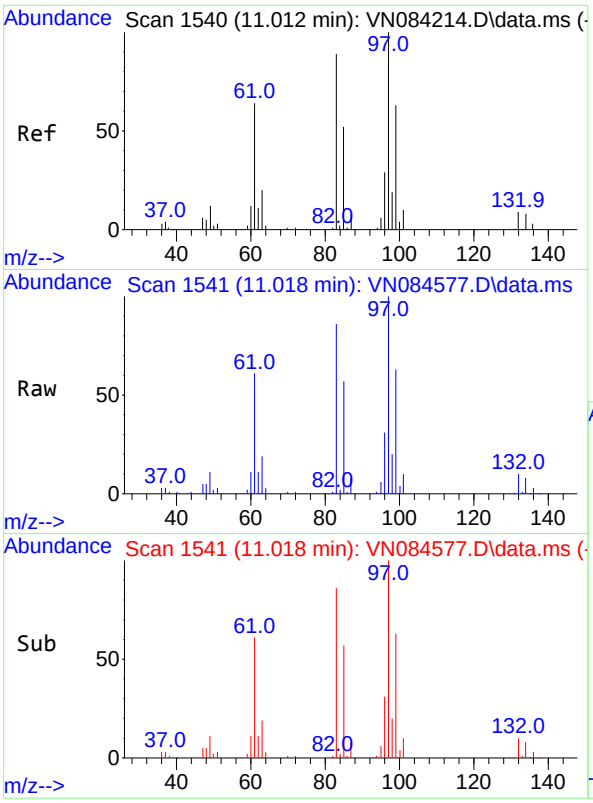


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 175008

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.2
39	48.4	38.7	58.1



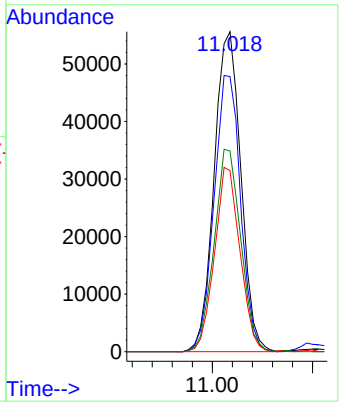


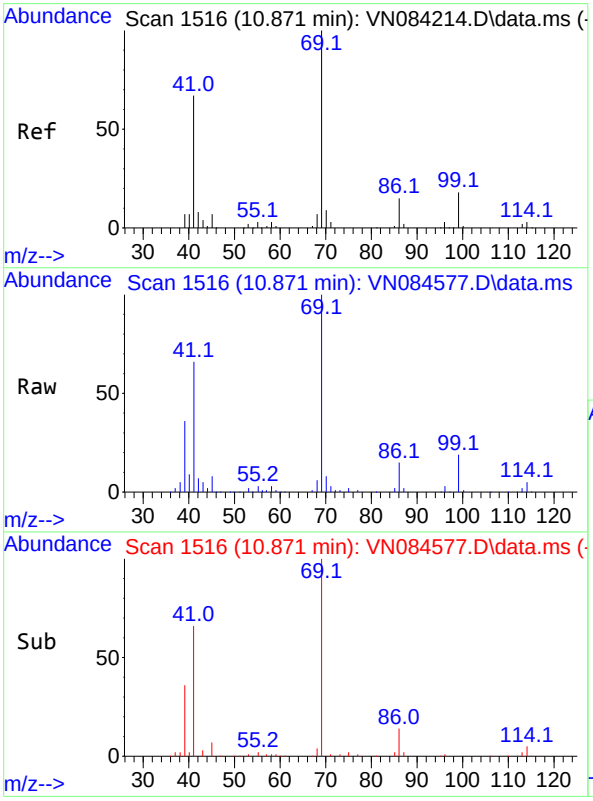
#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 97 Resp: 102553

Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	56.6	41.7	62.5
99	62.7	50.1	75.1

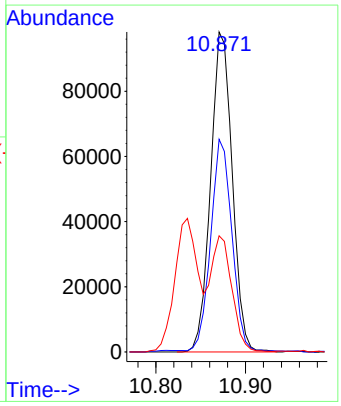


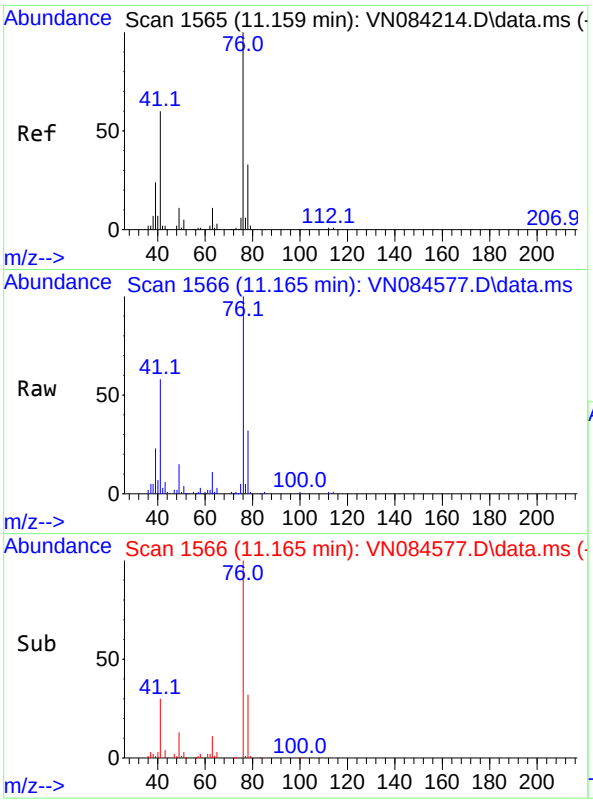


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 69 Resp: 164370

Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.3	79.9
39	35.6	28.8	43.2



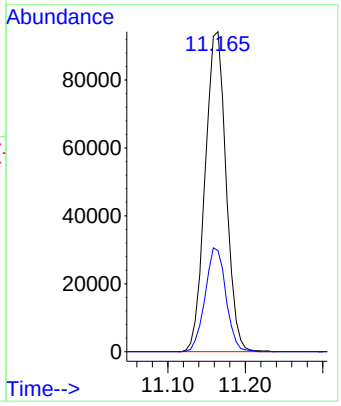


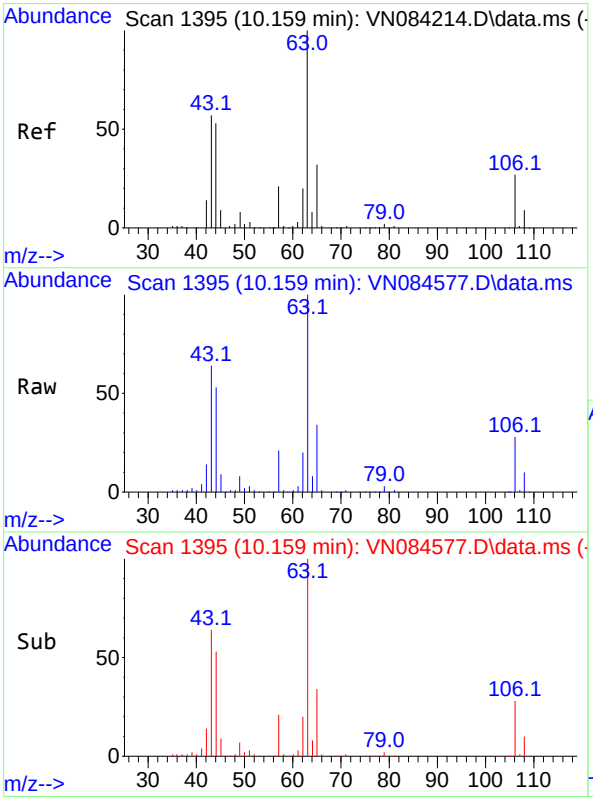
#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 176546

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

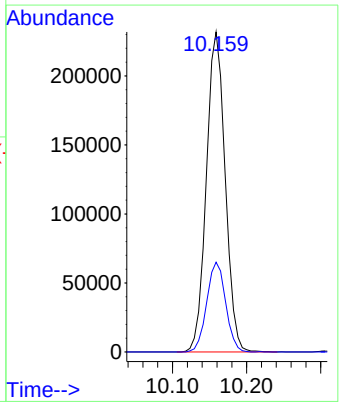


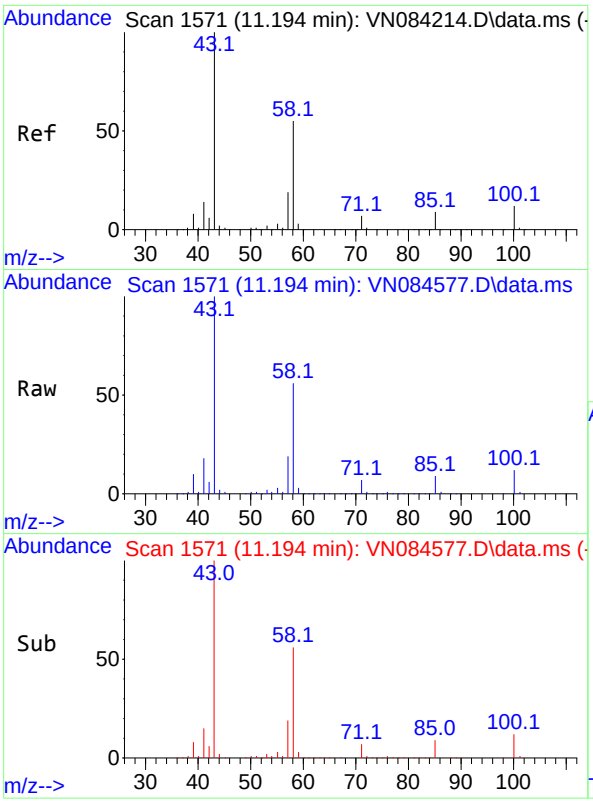


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



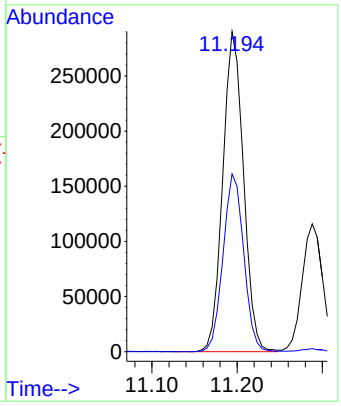


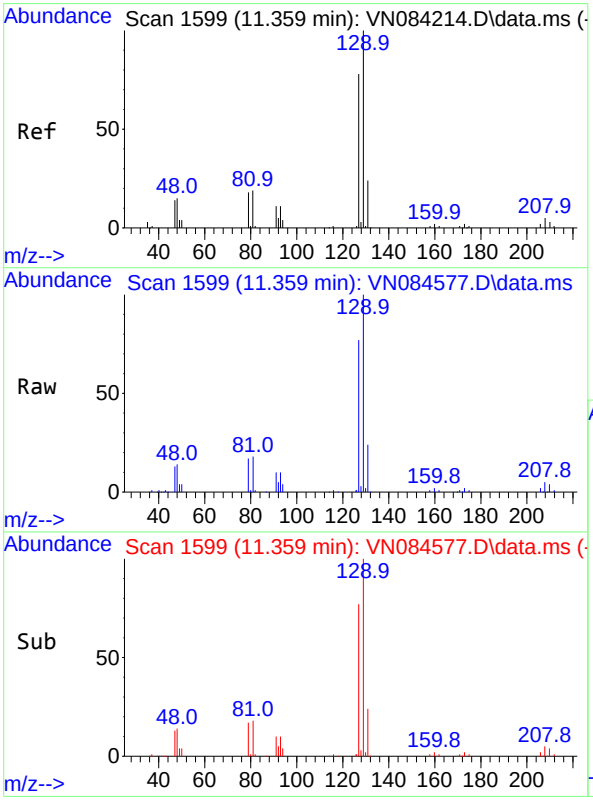
#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 489776

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8

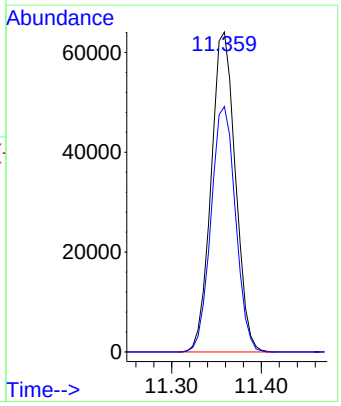


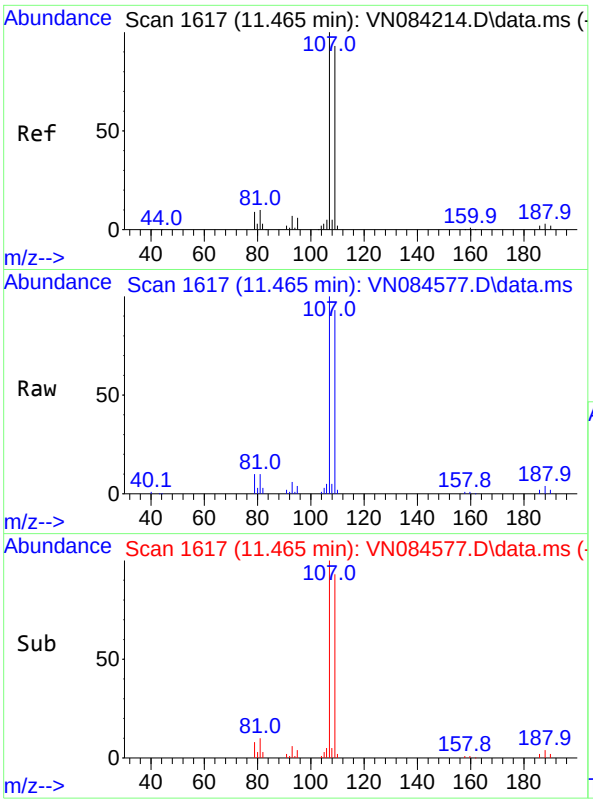


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9



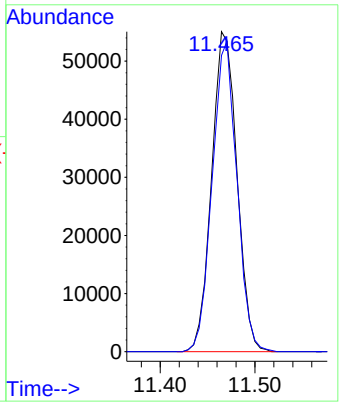


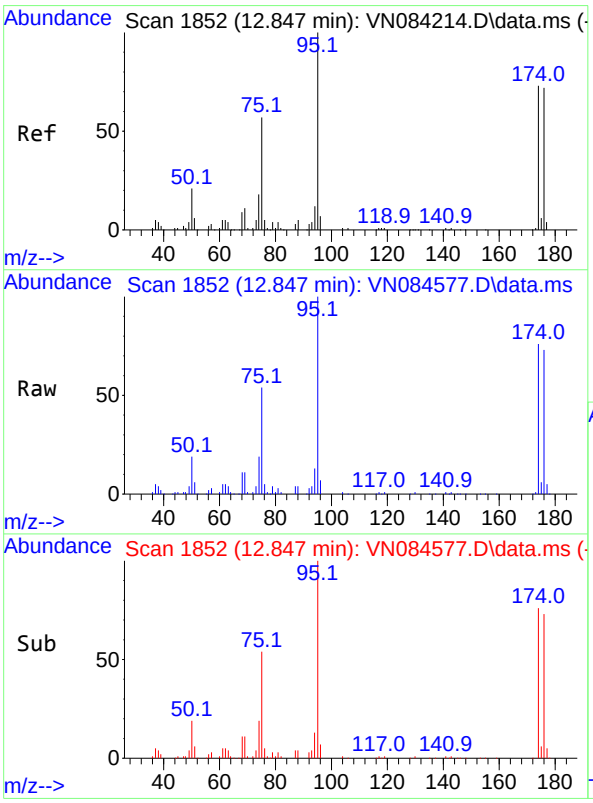
#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:107 Resp: 102316

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

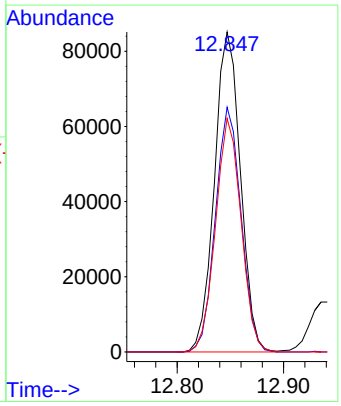


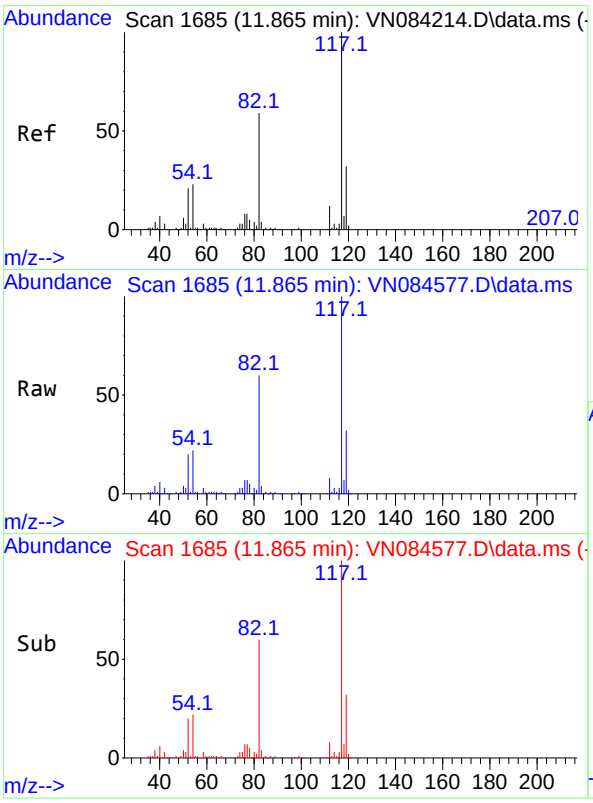


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 95 Resp: 144180

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0



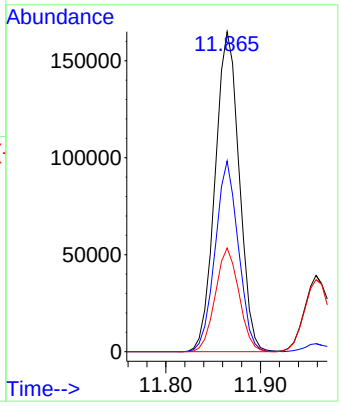


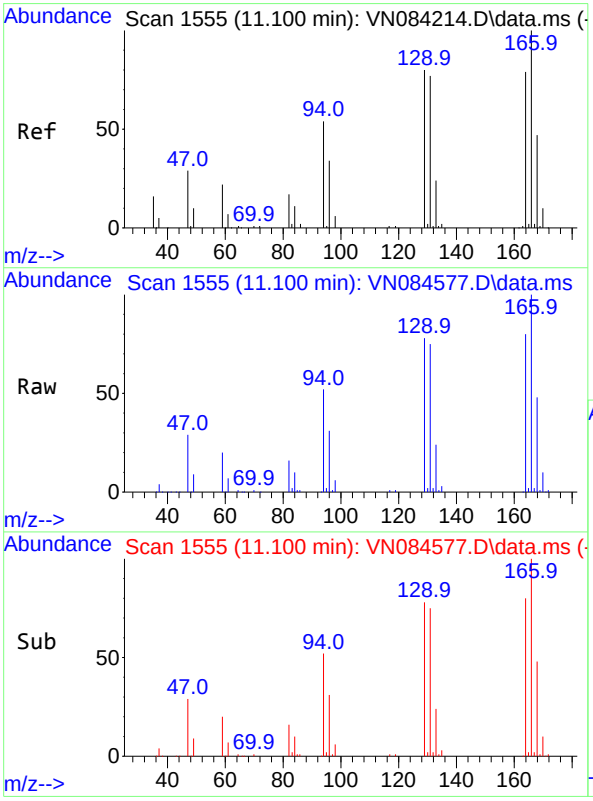
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:117 Resp: 291586

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	32.4	25.4	38.0

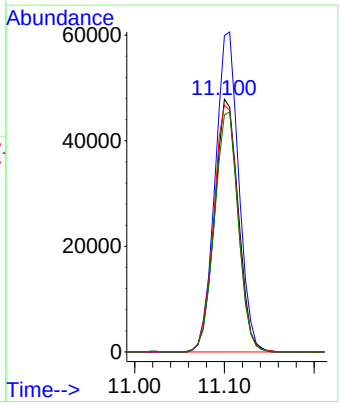


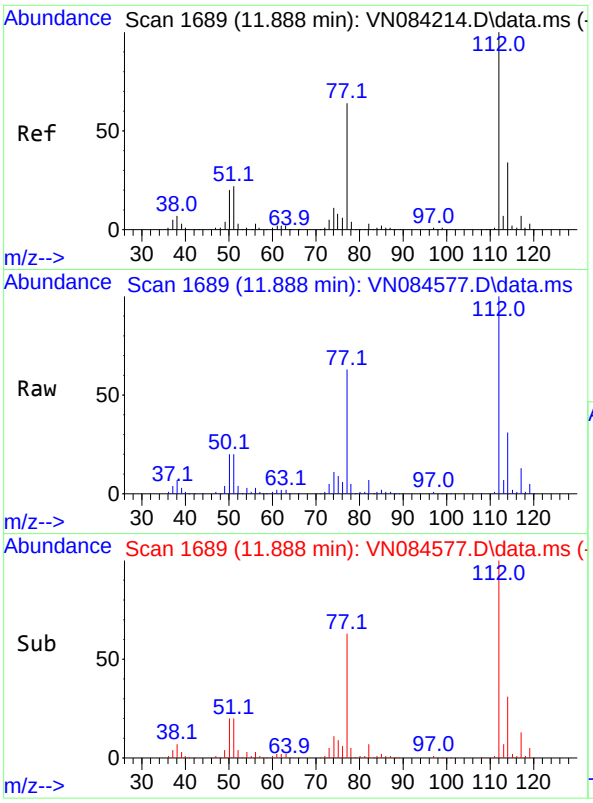


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:164 Resp: 88124

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	97.8	80.8	121.2
131	93.8	78.1	117.1



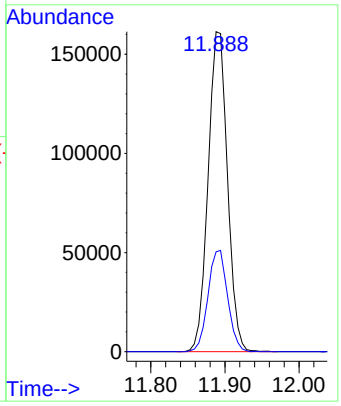


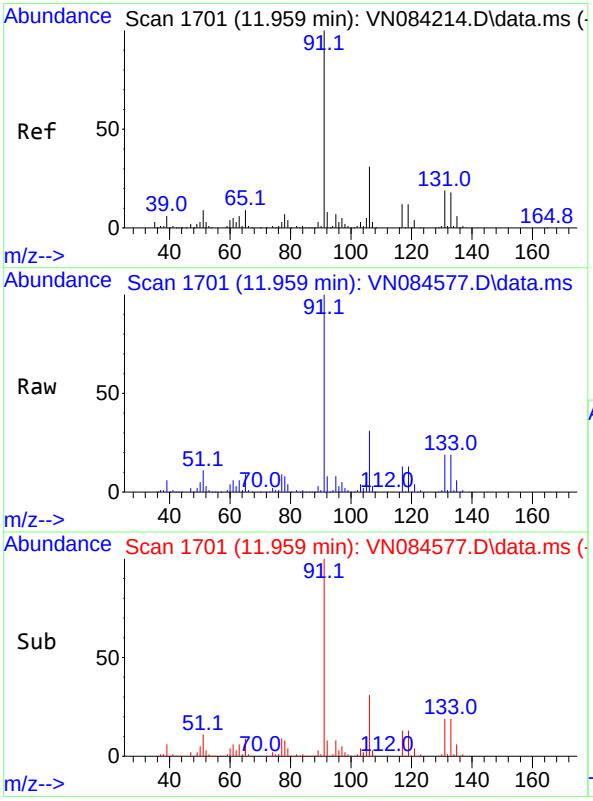
#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:112 Resp: 292713

Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6

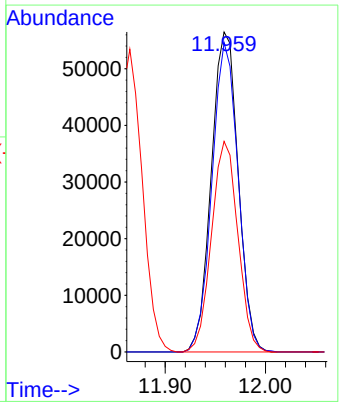


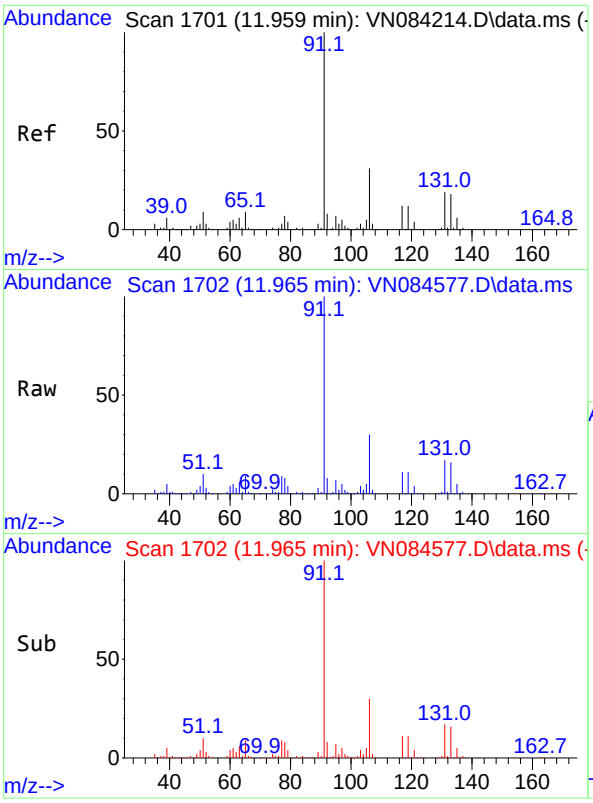


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:131 Resp: 105108

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	64.7	32.8	98.3



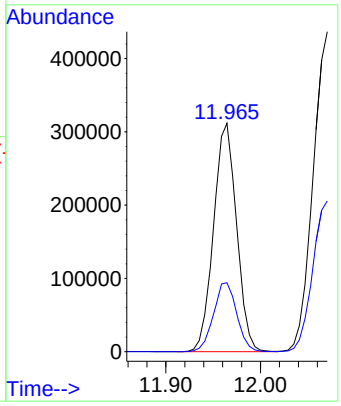


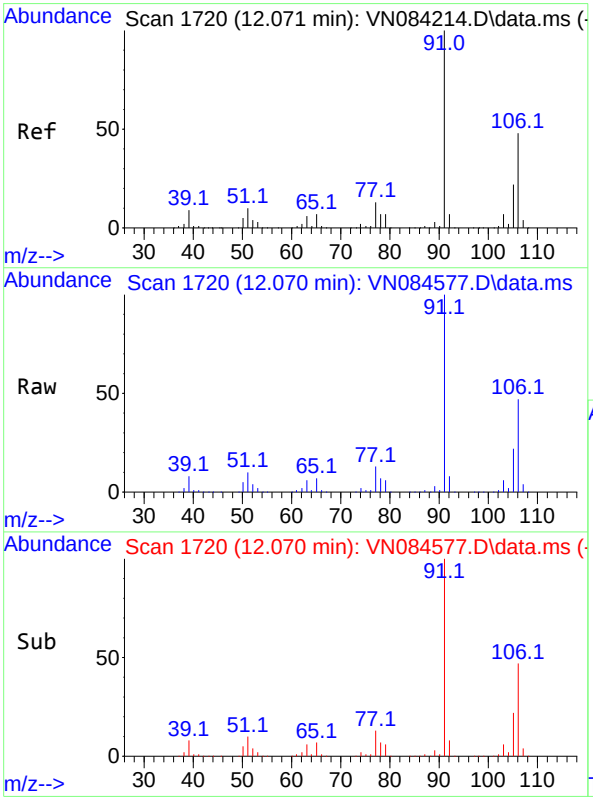
#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 526140

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

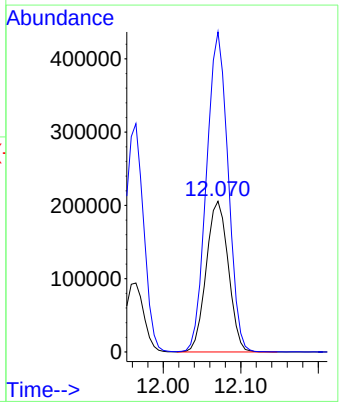


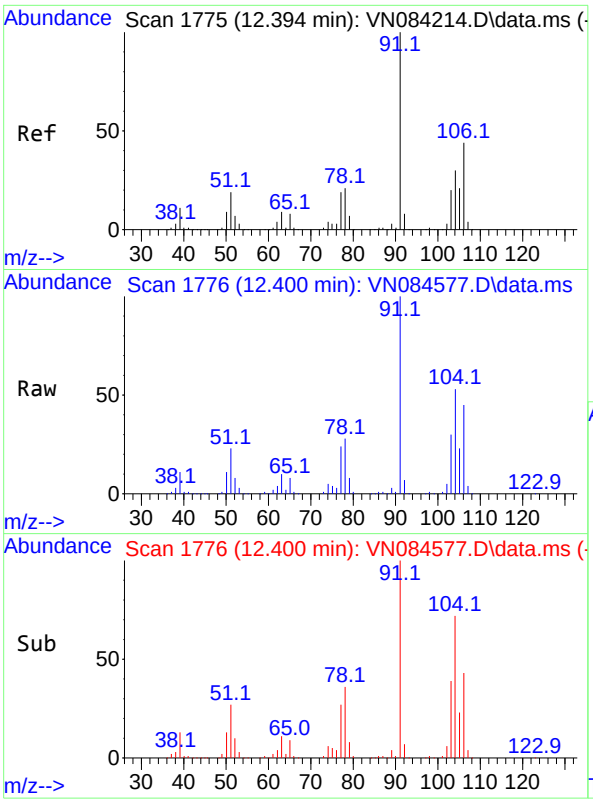


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



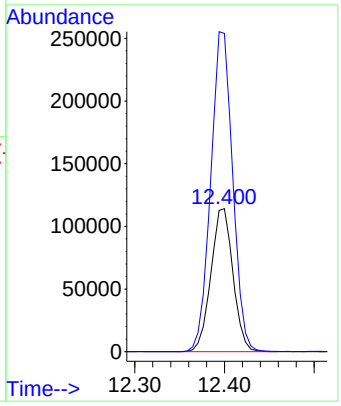


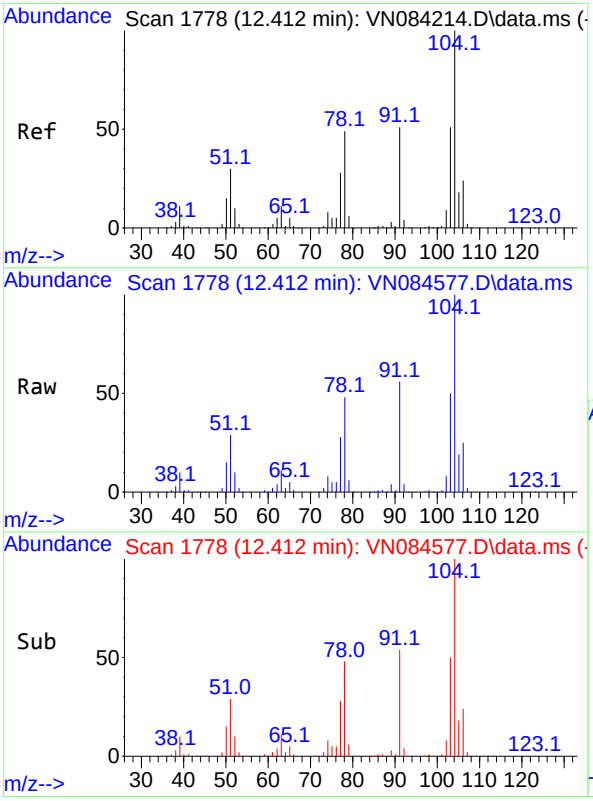
#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:106 Resp: 194895

Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6

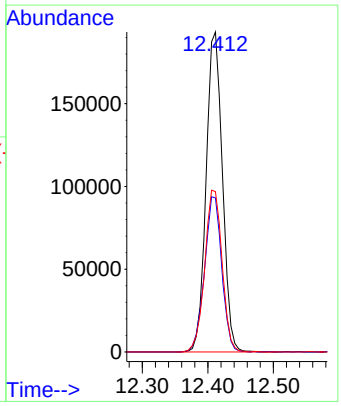


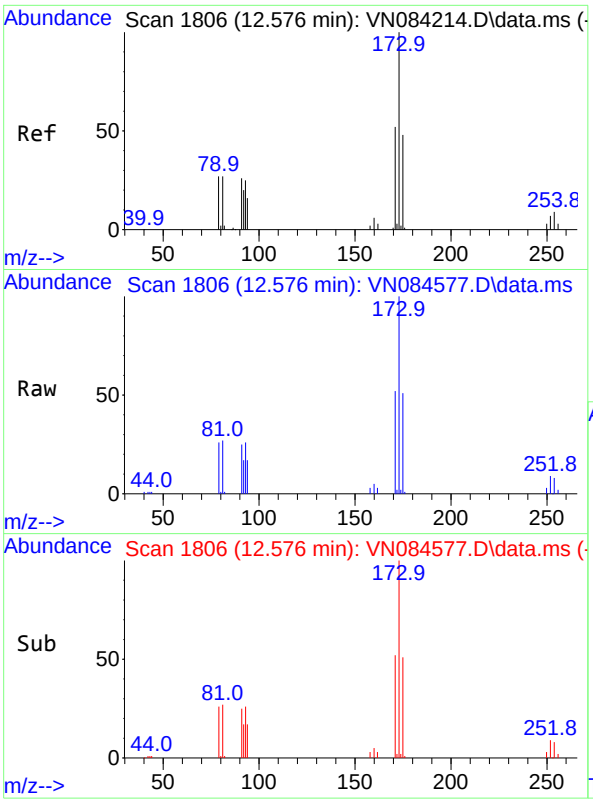


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:104 Resp: 333668

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.7	64.1
103	54.0	43.6	65.4



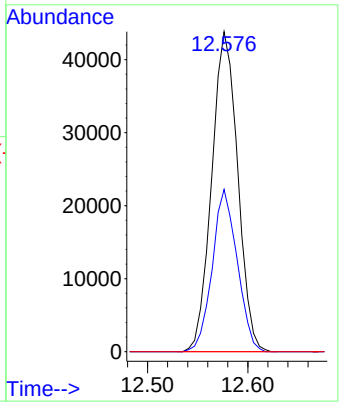


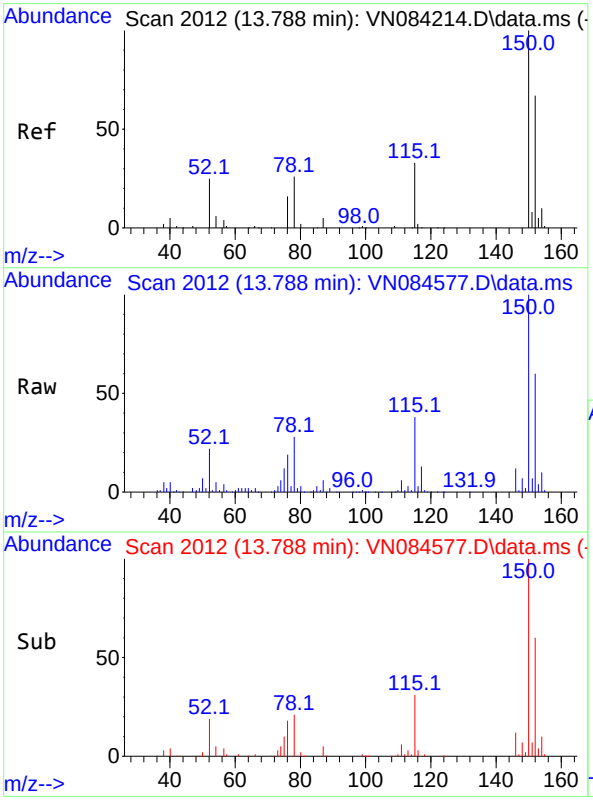
#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:173 Resp: 78822

Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0

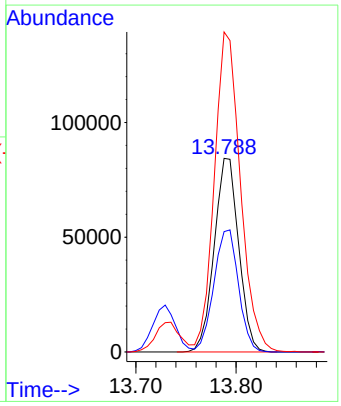


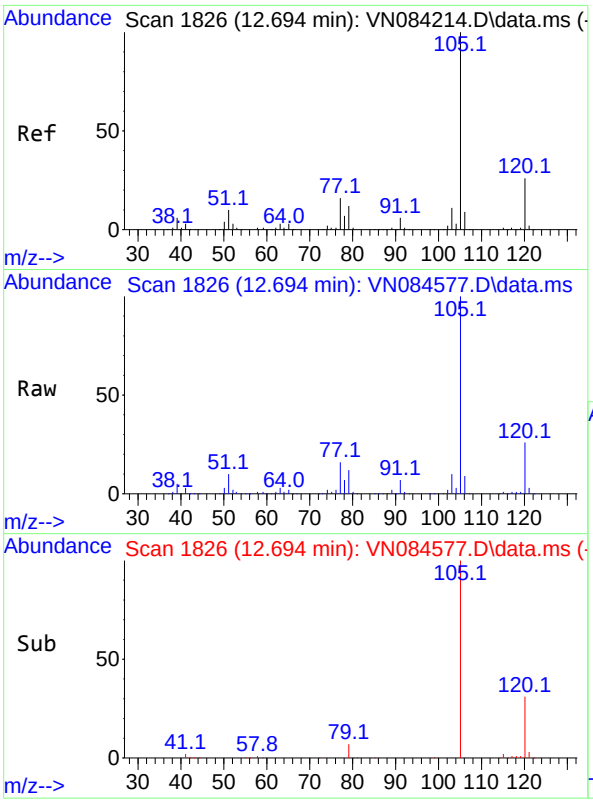


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:152 Resp: 142817

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	176.6	0.0	349.8



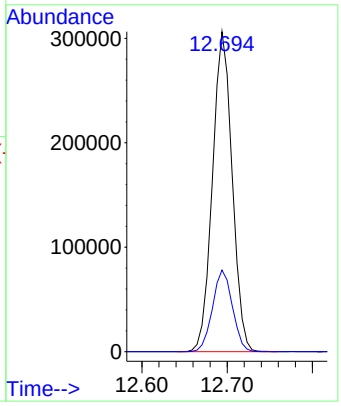


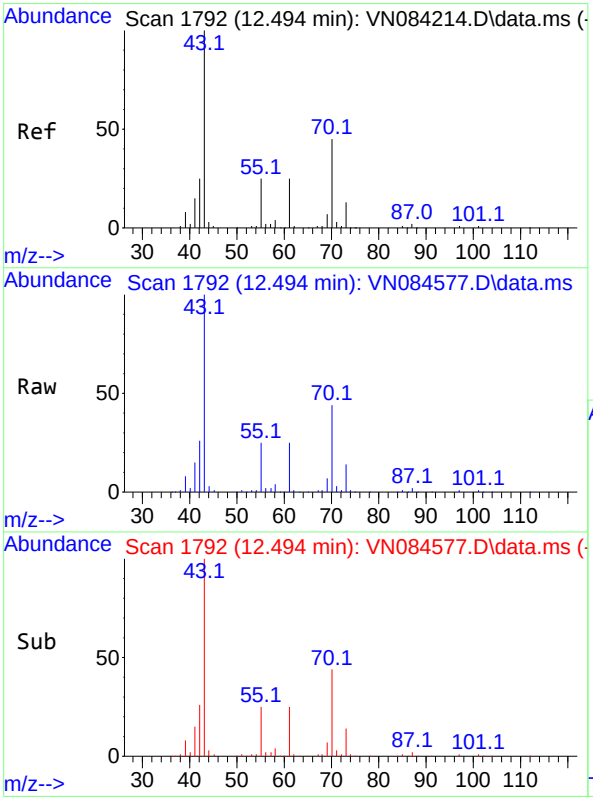
#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 491033

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

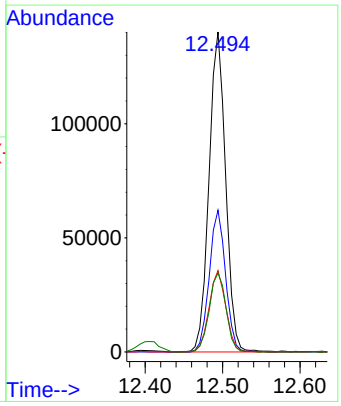


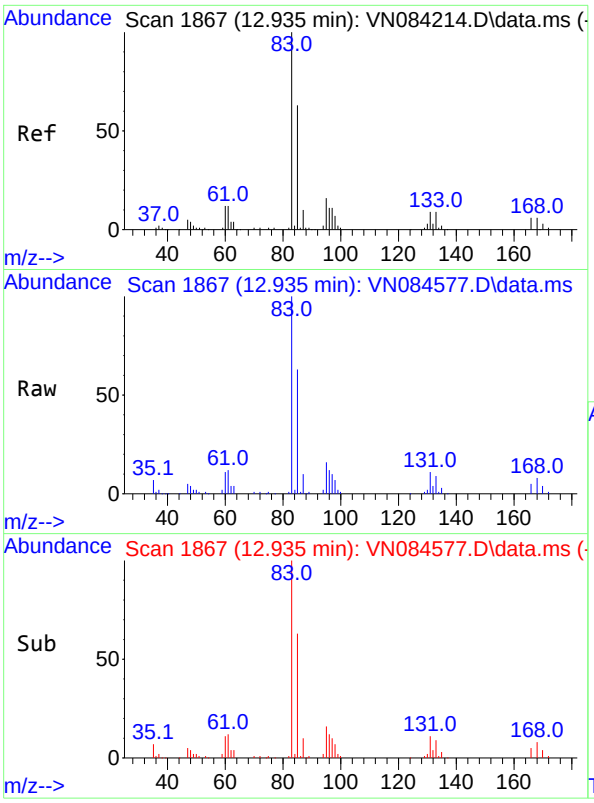


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 209049

Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	25.6	19.6	29.4
61	24.9	19.6	29.4



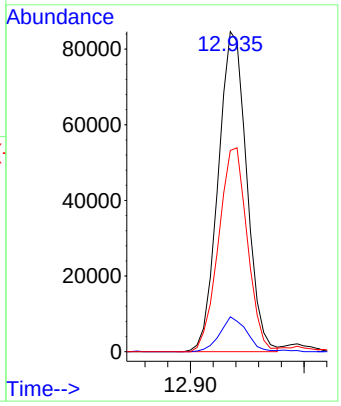


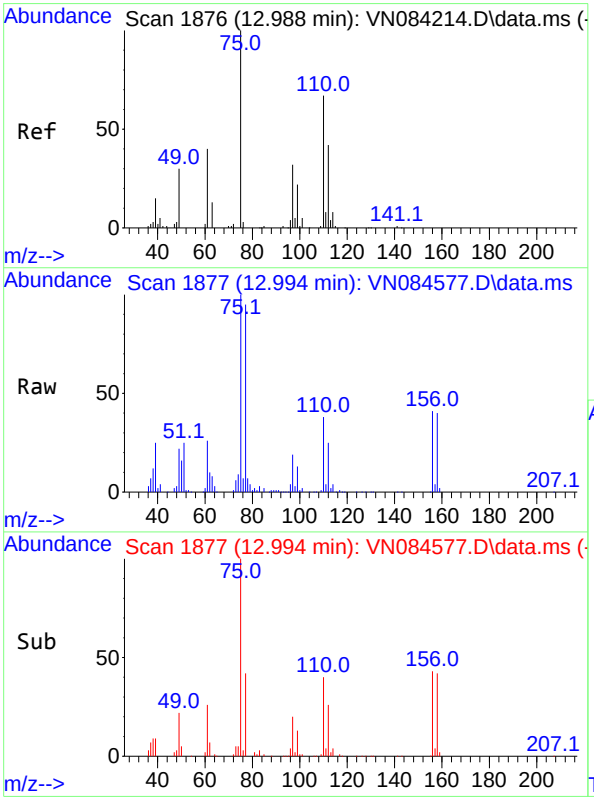
#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 83 Resp: 147181

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	31.9	95.7

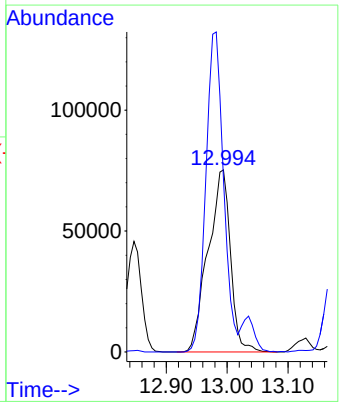


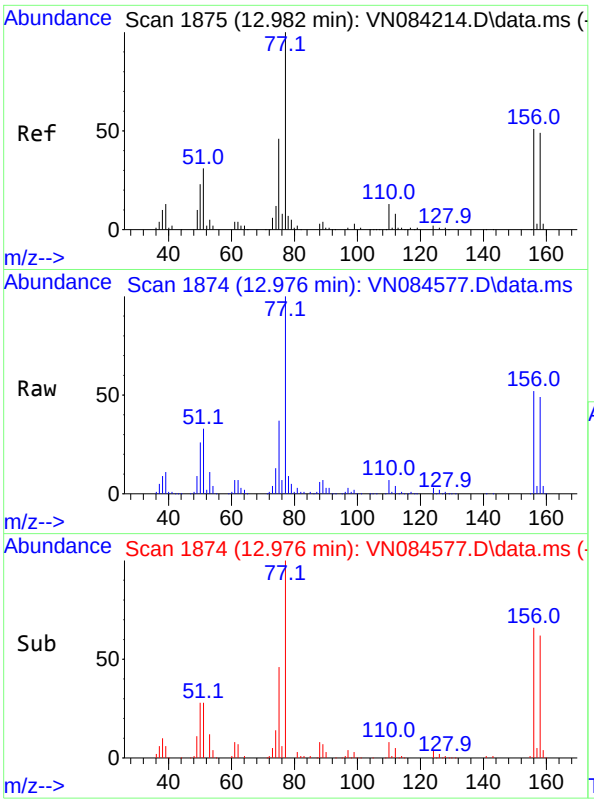


#76
1,2,3-Trichloropropane
Concen: 67.490 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 192674

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



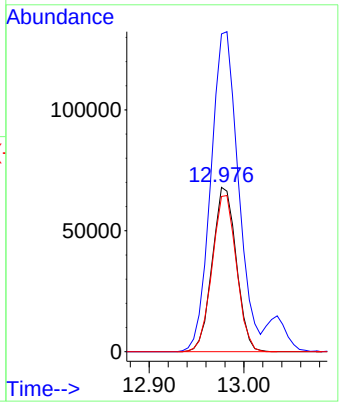


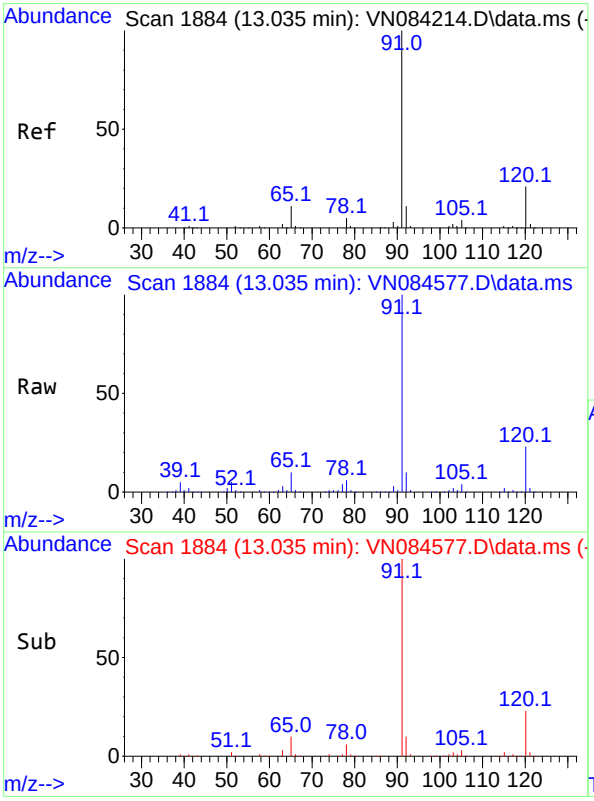
#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:156 Resp: 119728

Ion	Ratio	Lower	Upper
156	100		
77	223.2	115.1	345.3
158	96.3	48.9	146.8

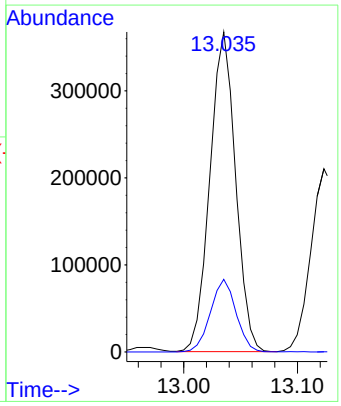


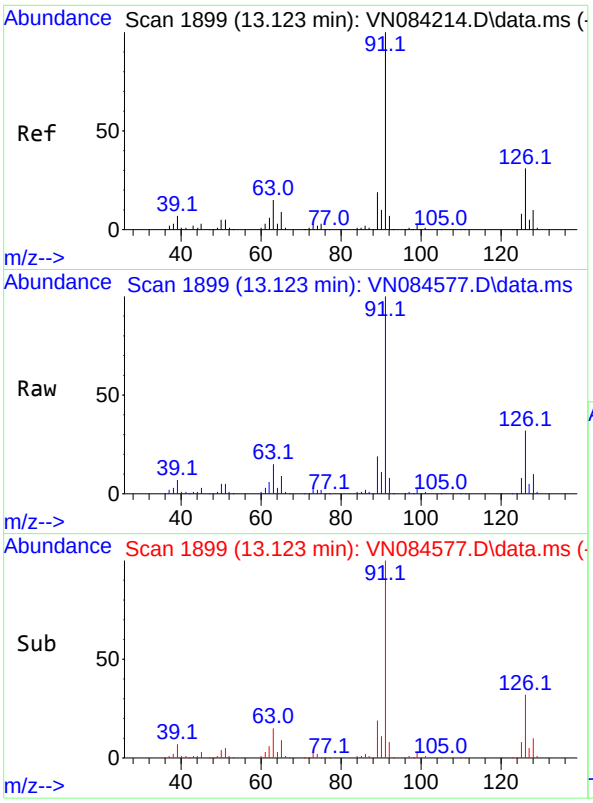


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



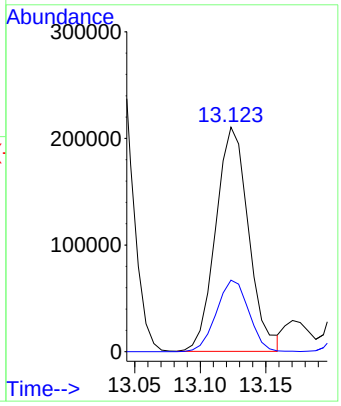


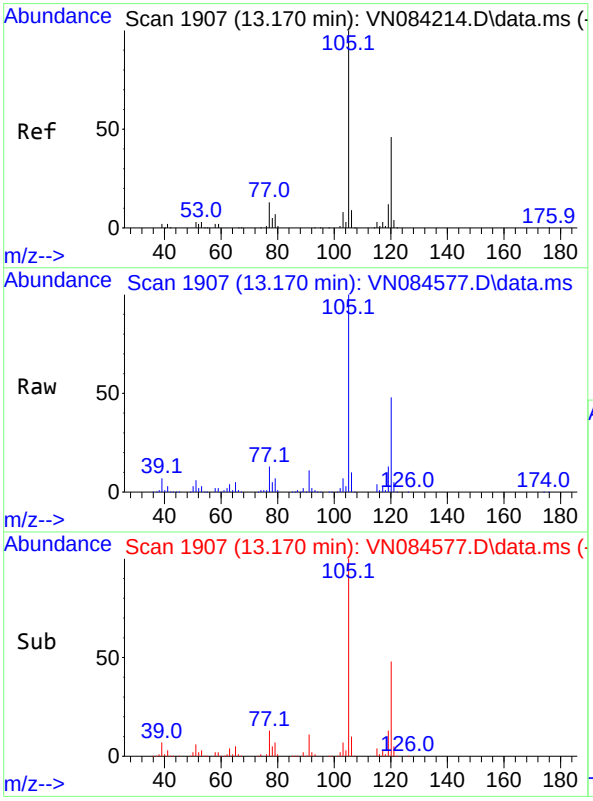
#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 367294

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

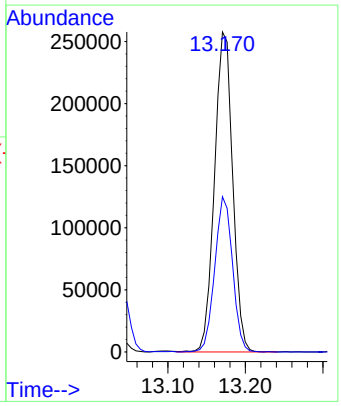


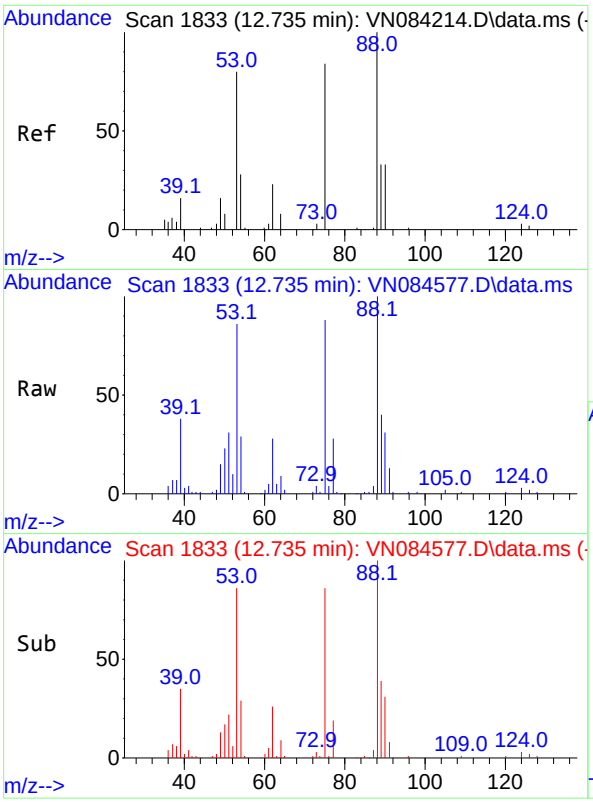


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



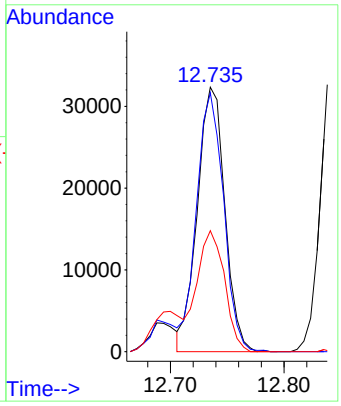


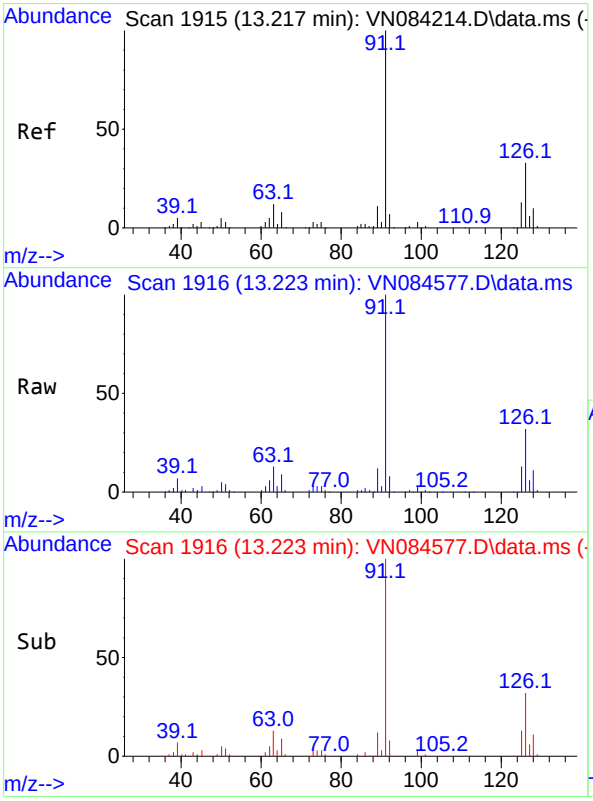
#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 75 Resp: 54512

Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.0	117.0
89	45.7	35.5	53.3

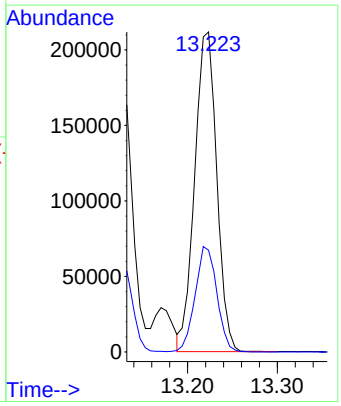


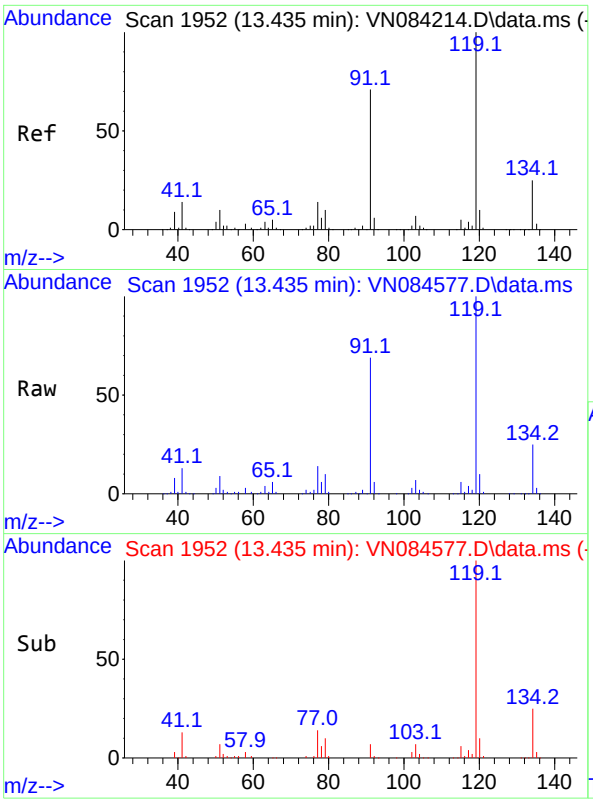


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



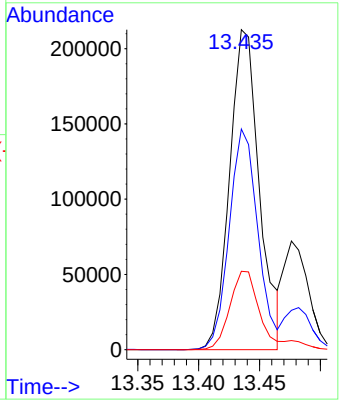


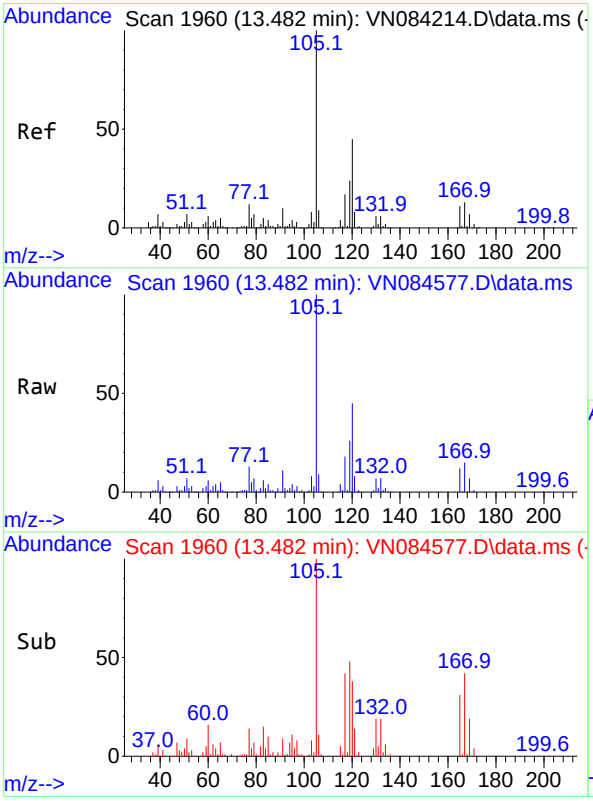
#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:119 Resp: 361800

Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.1	102.3
134	26.0	12.8	38.4

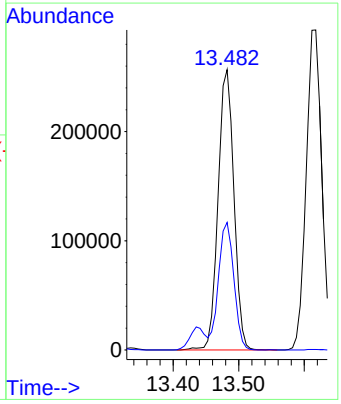


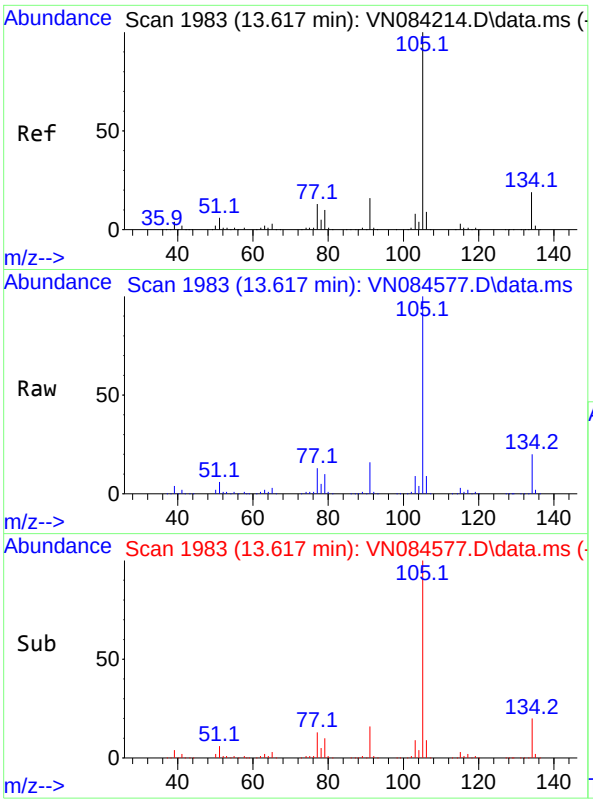


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



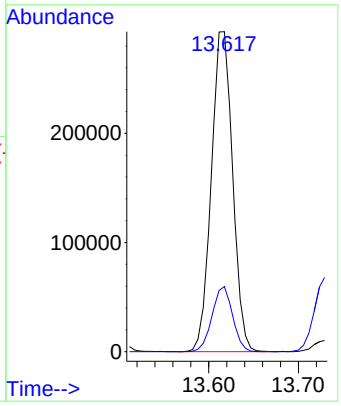


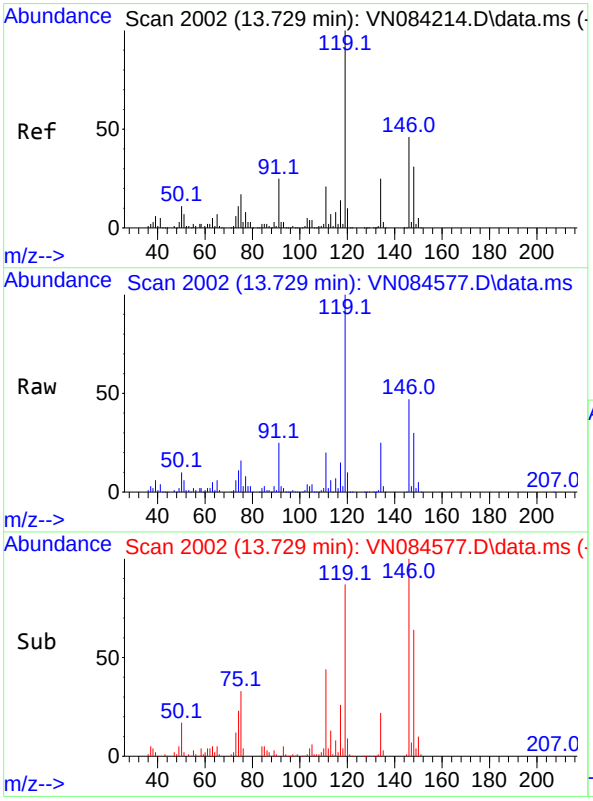
#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 483212

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

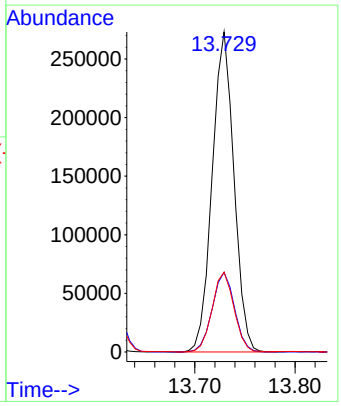


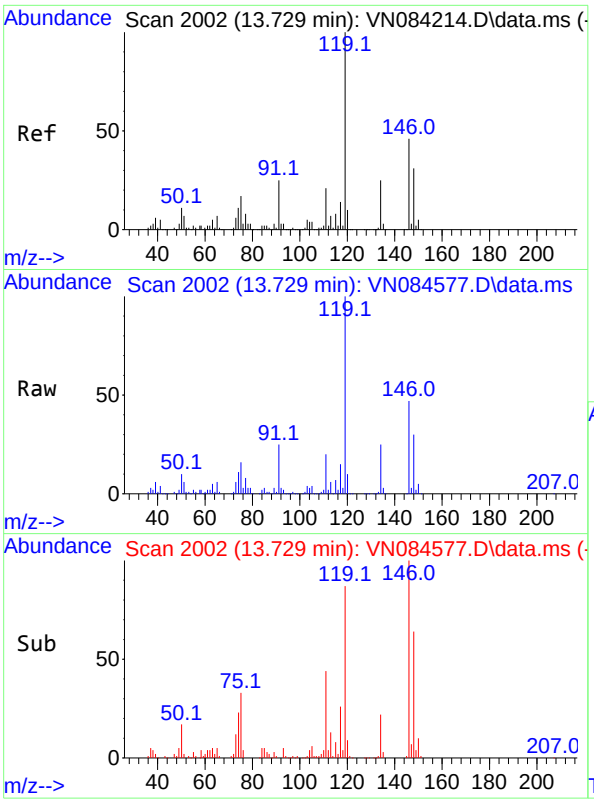


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 410129

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.0	12.4	37.2



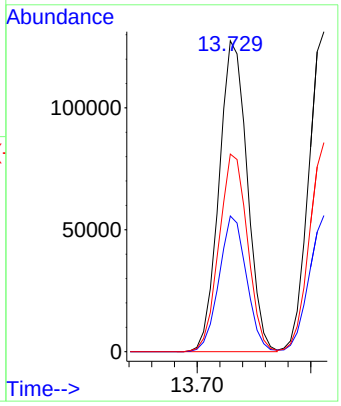


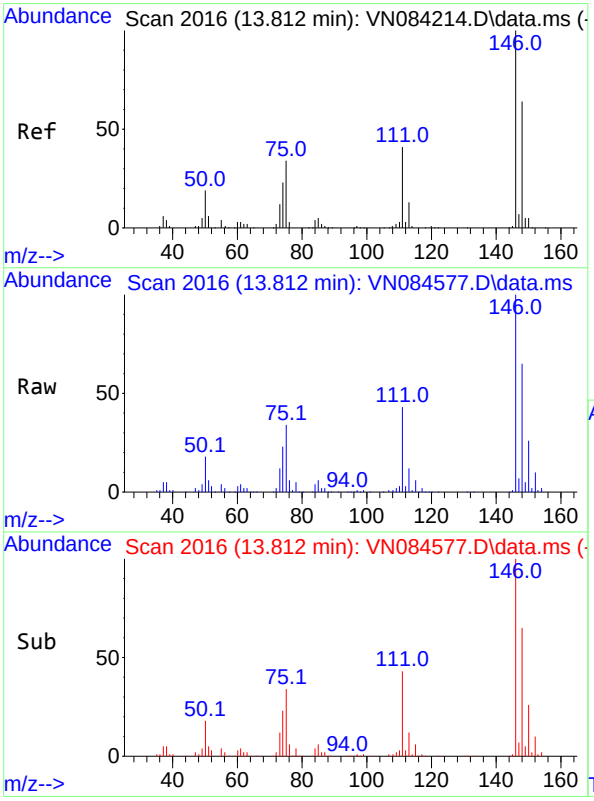
#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:146 Resp: 219757

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.2	31.9	95.7

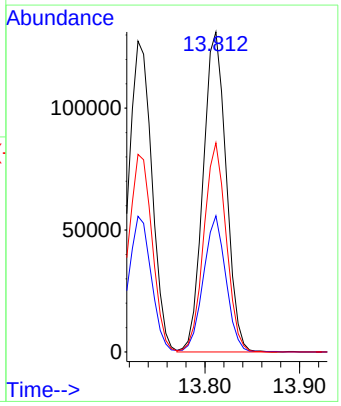


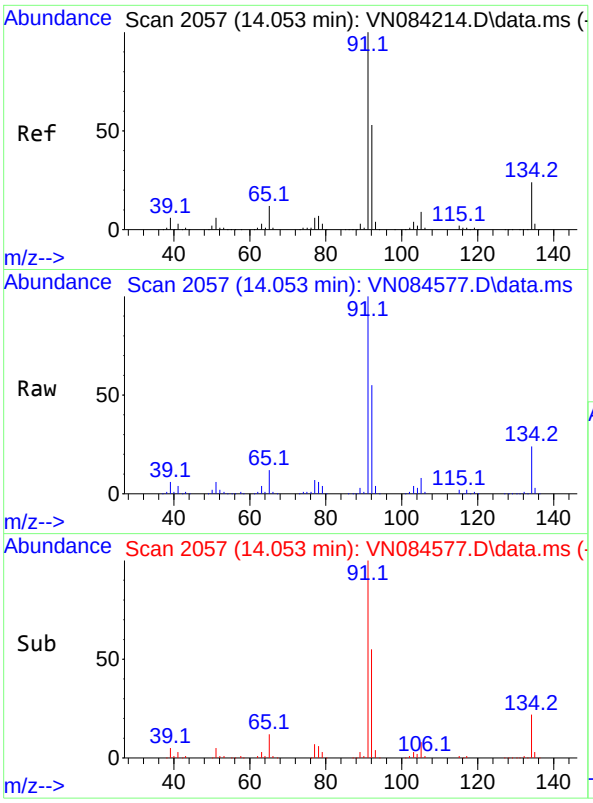


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 221608

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.9	95.9



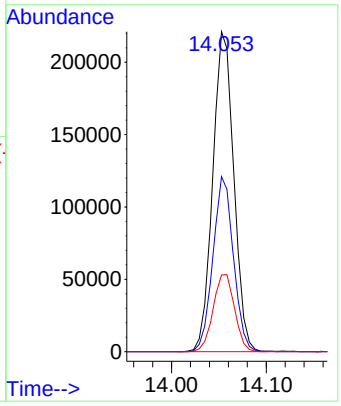


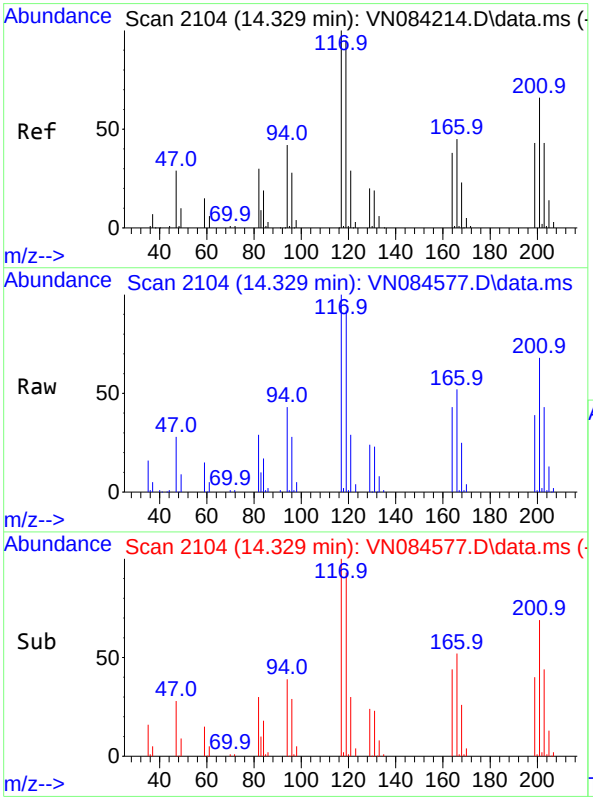
#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 341775

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.5	12.3	36.9

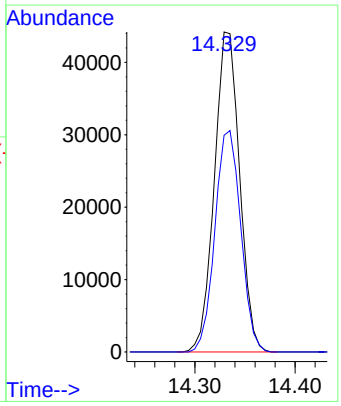


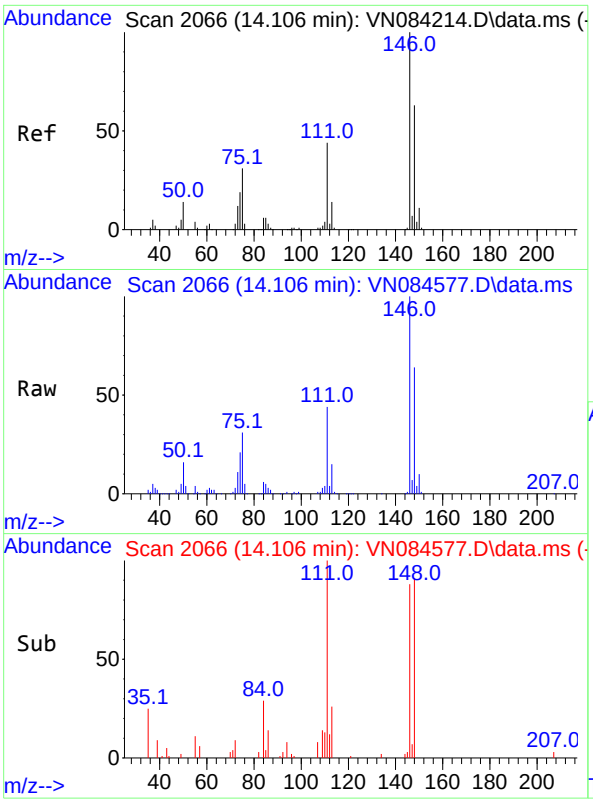


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2



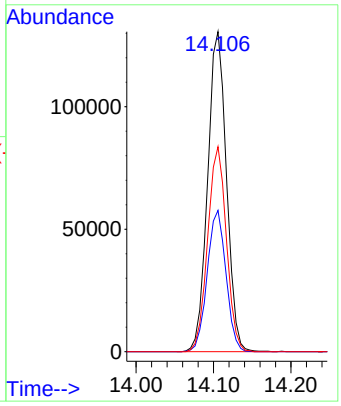


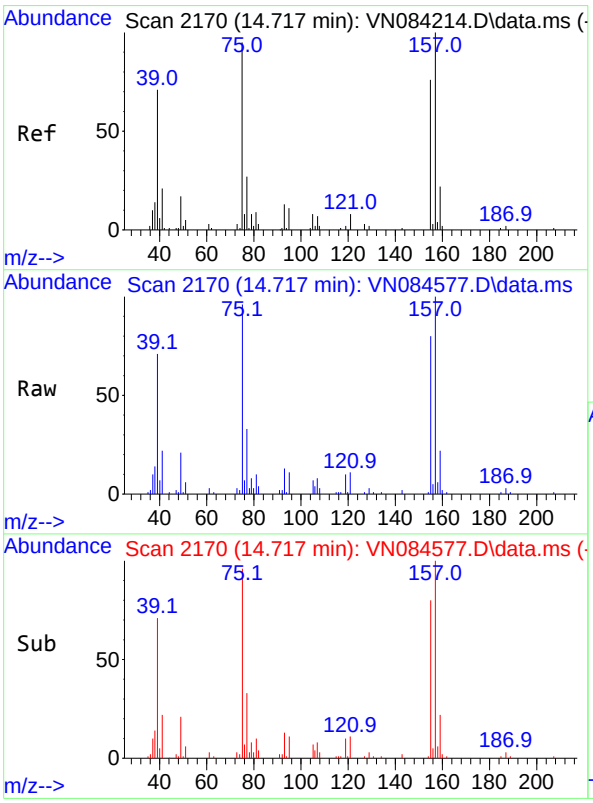
#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:146 Resp: 220824

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.8	32.1	96.3

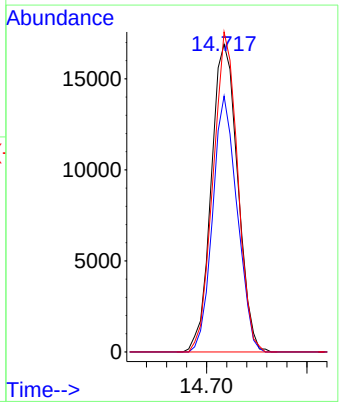


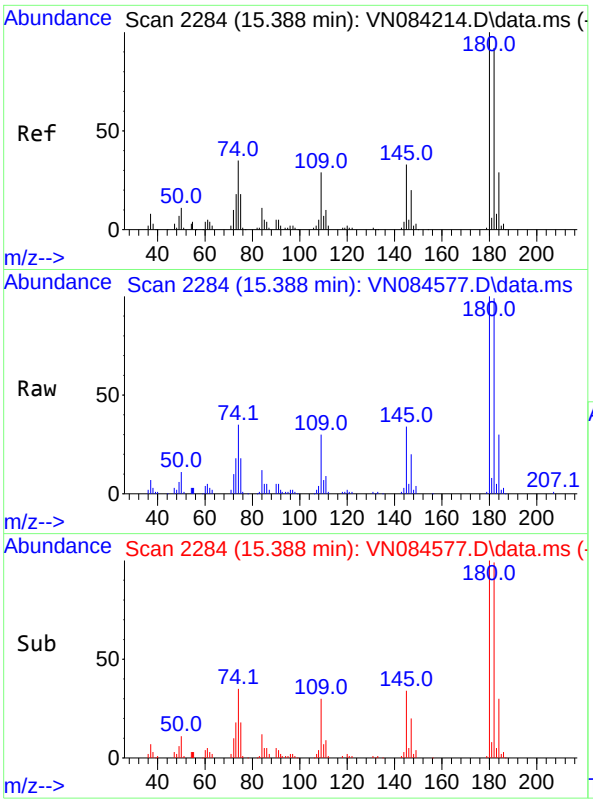


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 30895

Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.5
157	96.4	49.6	149.0



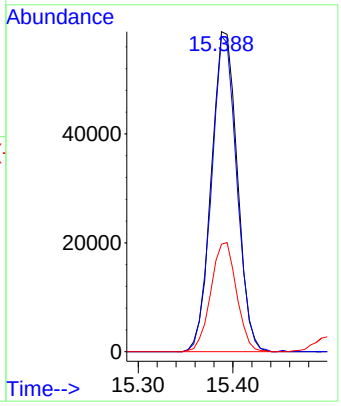


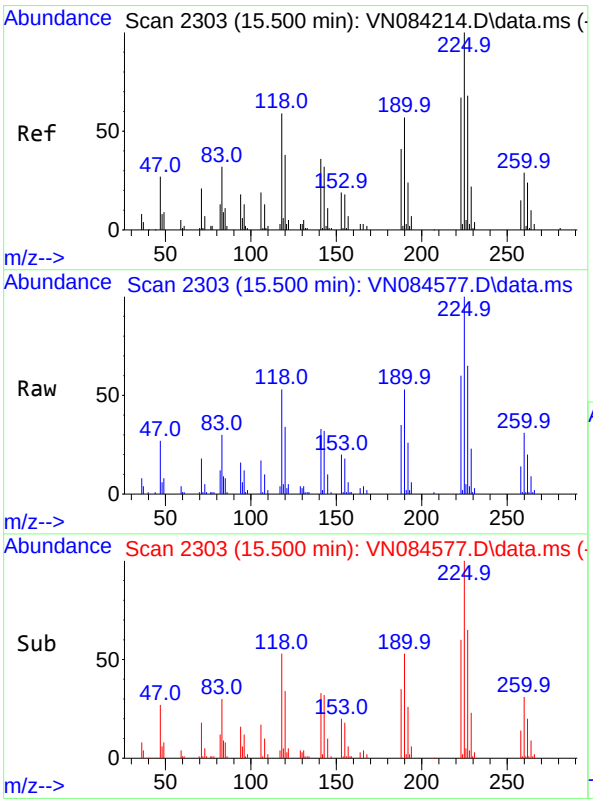
#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:180 Resp: 111270

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	34.0	16.4	49.4

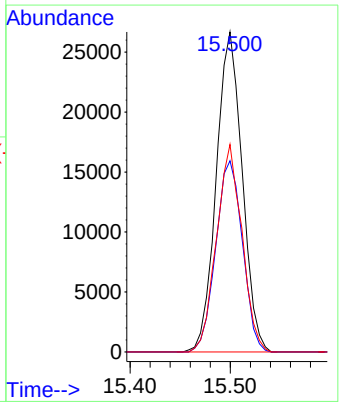


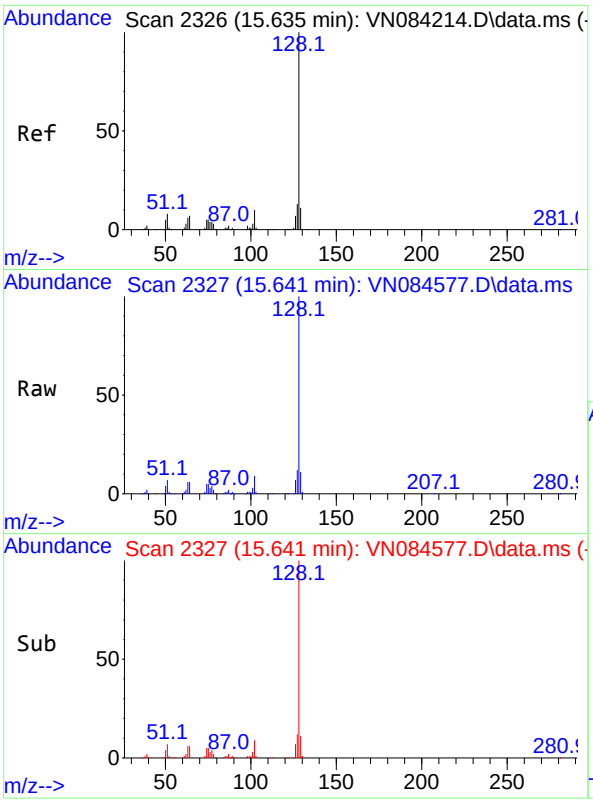


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:225 Resp: 47959

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.4	97.2
227	63.6	32.4	97.0



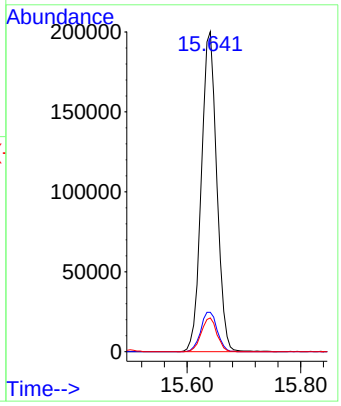


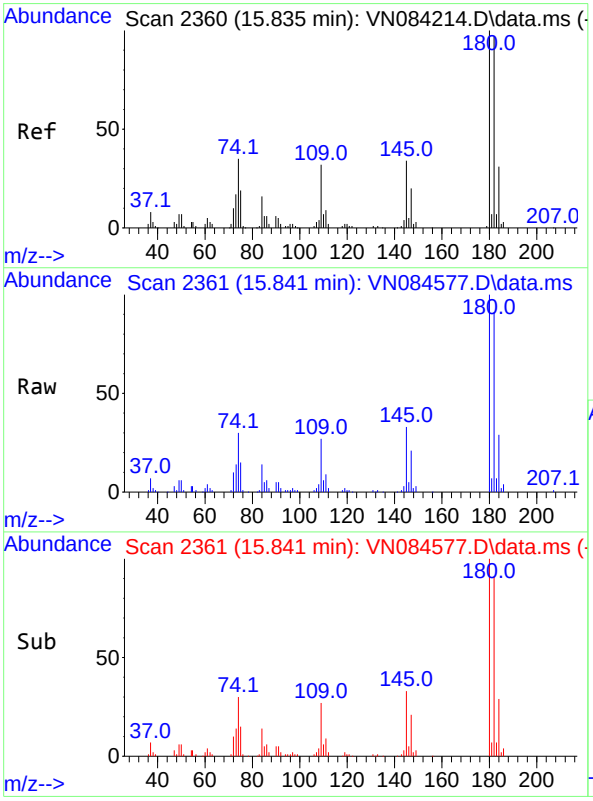
#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:128 Resp: 375360

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

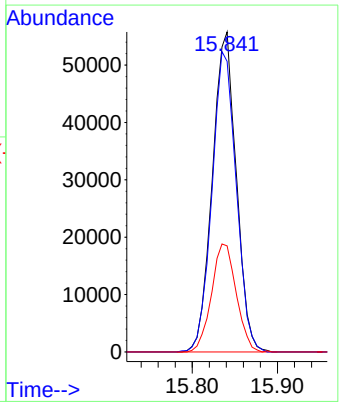




#96
1,2,3-Trichlorobenzene
Concen: 40.595 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 108830

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	35.0	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	183021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122973	46.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.040%			
35) Dibromofluoromethane	8.165	113	100644	49.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	370307	49.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.560%			
62) 4-Bromofluorobenzene	12.847	95	138983	49.994	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	92598	44.011	ug/l	96
3) Chloromethane	2.359	50	101929	40.824	ug/l	99
4) Vinyl Chloride	2.512	62	100170	44.265	ug/l	97
5) Bromomethane	2.900	94	52604	43.874	ug/l	93
6) Chloroethane	3.071	64	65338	46.548	ug/l	98
7) Trichlorofluoromethane	3.465	101	173596	46.569	ug/l	98
8) Diethyl Ether	3.953	74	62208	47.307	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.347	101	100421	47.675	ug/l	98
10) Methyl Iodide	4.577	142	133872	47.554	ug/l	96
11) Tert butyl alcohol	5.536	59	92292	264.502	ug/l	99
12) 1,1-Dichloroethene	4.324	96	93006	44.624	ug/l	96
13) Acrolein	4.171	56	83660	240.444	ug/l	100
14) Allyl chloride	5.006	41	155453	45.991	ug/l	94
15) Acrylonitrile	5.712	53	254557	252.005	ug/l	100
16) Acetone	4.424	43	217622	285.402	ug/l	94
17) Carbon Disulfide	4.694	76	250866	39.085	ug/l	97
18) Methyl Acetate	5.018	43	124668	44.235	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	327032	51.192	ug/l	99
20) Methylene Chloride	5.265	84	106110	45.640	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	95494	44.620	ug/l	94
22) Diisopropyl ether	6.671	45	324001	48.241	ug/l	97
23) Vinyl Acetate	6.594	43	1174644	253.614	ug/l	98
24) 1,1-Dichloroethane	6.559	63	188032	46.632	ug/l	98
25) 2-Butanone	7.483	43	330172	267.725	ug/l	96
26) 2,2-Dichloropropane	7.488	77	175211	49.924	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	118386	47.375	ug/l	97
28) Bromochloromethane	7.812	49	85591	53.278	ug/l	92
29) Tetrahydrofuran	7.835	42	214543	262.227	ug/l	97
30) Chloroform	7.959	83	200430	48.836	ug/l	99
31) Cyclohexane	8.253	56	154078	42.218	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	180989	48.451	ug/l	99
36) 1,1-Dichloropropene	8.365	75	133944	47.829	ug/l	99
37) Ethyl Acetate	7.559	43	130931	51.530	ug/l	98
38) Carbon Tetrachloride	8.359	117	157953	50.460	ug/l	98
39) Methylcyclohexane	9.600	83	149896	52.613	ug/l	98
40) Benzene	8.600	78	425418	47.302	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72885	53.342 ug/l	94
42) 1,2-Dichloroethane	8.665	62	144374	49.567 ug/l	99
43) Isopropyl Acetate	8.682	43	224692	47.825 ug/l	96
44) Trichloroethene	9.347	130	99881	48.155 ug/l	99
45) 1,2-Dichloropropane	9.618	63	104146	49.364 ug/l	100
46) Dibromomethane	9.706	93	73439	49.331 ug/l	97
47) Bromodichloromethane	9.882	83	156706	49.937 ug/l	97
48) Methyl methacrylate	9.677	41	105291	53.245 ug/l	96
49) 1,4-Dioxane	9.694	88	37425	1067.991 ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	660493	272.681 ug/l	98
52) Toluene	10.629	92	267694	50.893 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	161582	49.744 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	173736	50.535 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	100973	50.961 ug/l	97
56) Ethyl methacrylate	10.871	69	163651	57.102 ug/l	95
57) 1,3-Dichloropropane	11.159	76	172274	50.662 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368650	274.890 ug/l	96
59) 2-Hexanone	11.194	43	509612	289.044 ug/l	97
60) Dibromochloromethane	11.359	129	121279	53.707 ug/l	100
61) 1,2-Dibromoethane	11.470	107	102488	50.512 ug/l	99
64) Tetrachloroethene	11.100	164	89341	51.302 ug/l	98
65) Chlorobenzene	11.888	112	283901	48.471 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	103384	50.745 ug/l	99
67) Ethyl Benzene	11.965	91	507373	51.895 ug/l	100
68) m/p-Xylenes	12.070	106	383793	103.688 ug/l	99
69) o-Xylene	12.400	106	184608	53.315 ug/l	99
70) Styrene	12.412	104	319310	52.864 ug/l	99
71) Bromoform	12.576	173	82231	53.640 ug/l #	97
73) Isopropylbenzene	12.694	105	476637	50.098 ug/l	99
74) N-amyl acetate	12.494	43	200629	49.546 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	148221	46.674 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	192131	70.796 ug/l	58
77) Bromobenzene	12.976	156	118331	46.265 ug/l	93
78) n-propylbenzene	13.035	91	560738	50.296 ug/l	98
79) 2-Chlorotoluene	13.123	91	353328	48.502 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	412425	52.302 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61265	53.556 ug/l	98
82) 4-Chlorotoluene	13.217	91	358231	46.727 ug/l	99
83) tert-Butylbenzene	13.435	119	338852	51.922 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	419220	51.510 ug/l	99
85) sec-Butylbenzene	13.612	105	477749	51.824 ug/l	100
86) p-Isopropyltoluene	13.729	119	406434	53.758 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	223773	44.831 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	224268	48.971 ug/l	99
89) n-Butylbenzene	14.053	91	347239	49.100 ug/l	99
90) Hexachloroethane	14.335	117	75759	44.933 ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	222960	46.484 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31339	48.712 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	120654	45.957 ug/l	99
94) Hexachlorobutadiene	15.500	225	54821	47.550 ug/l	98
95) Naphthalene	15.641	128	388305	49.414 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	118192	46.377 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

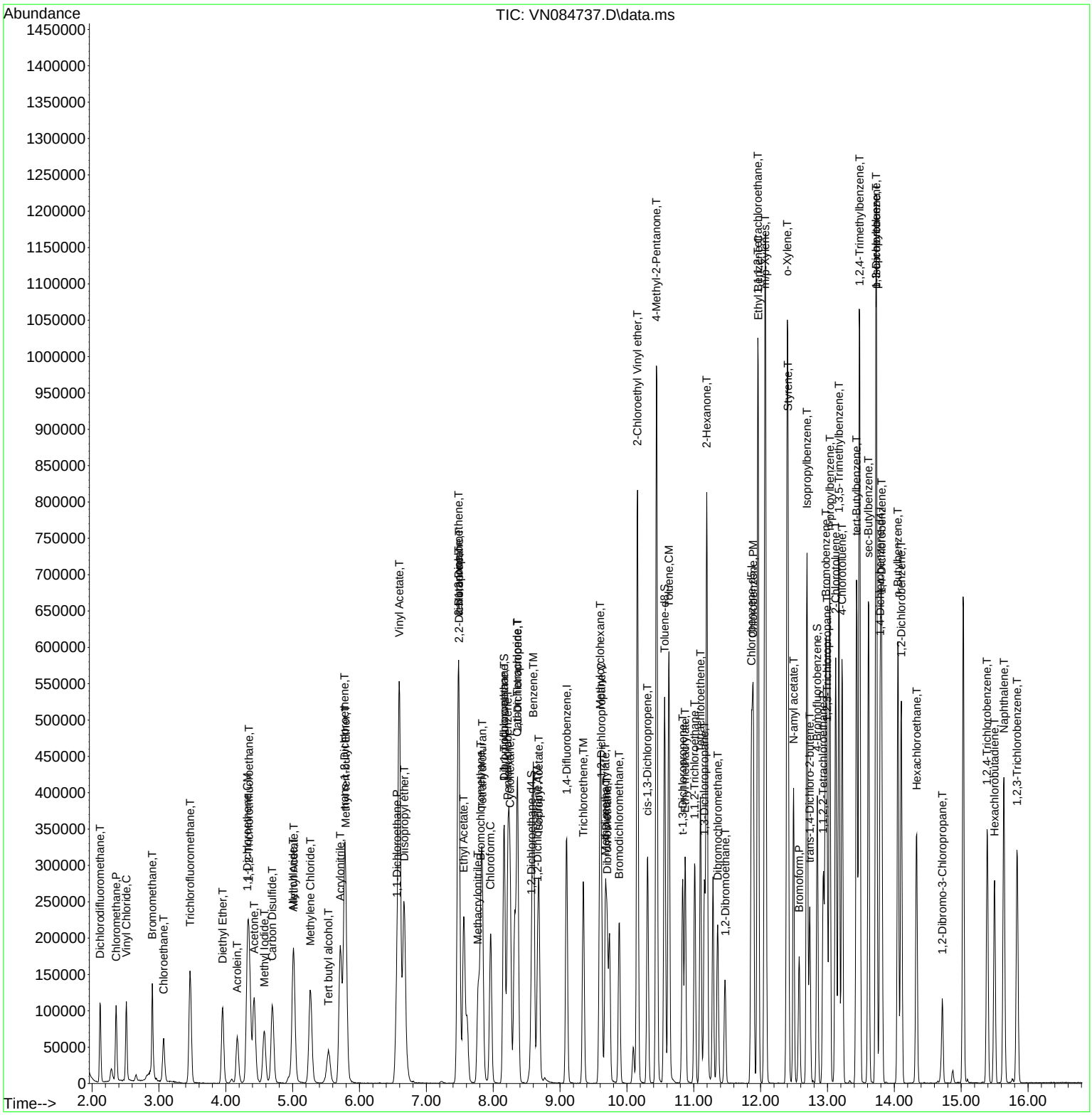
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

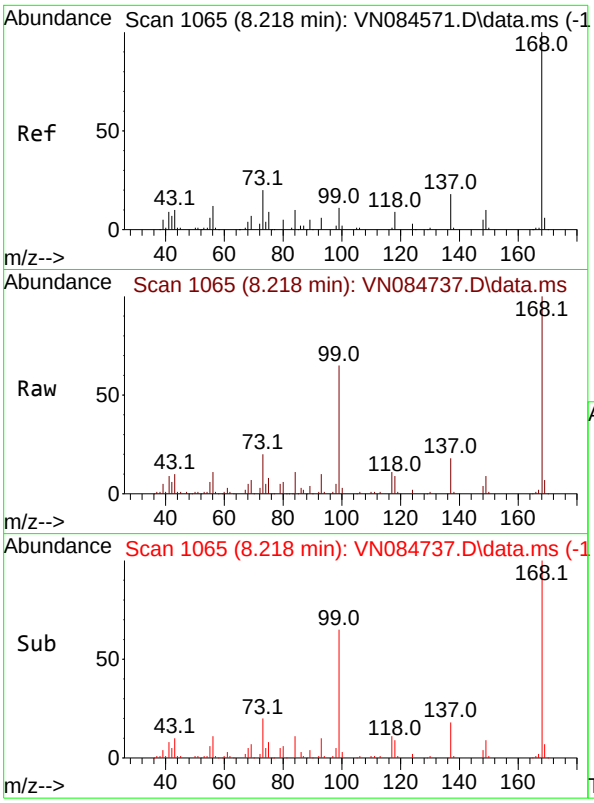
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084737.D
Acq On : 08 Nov 2024 09:39
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 08 22:24:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



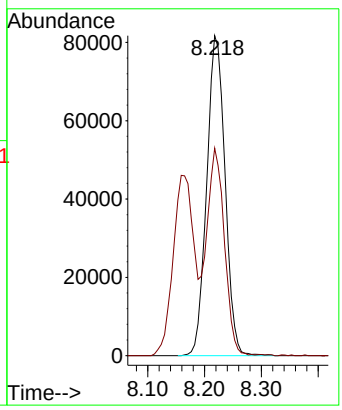


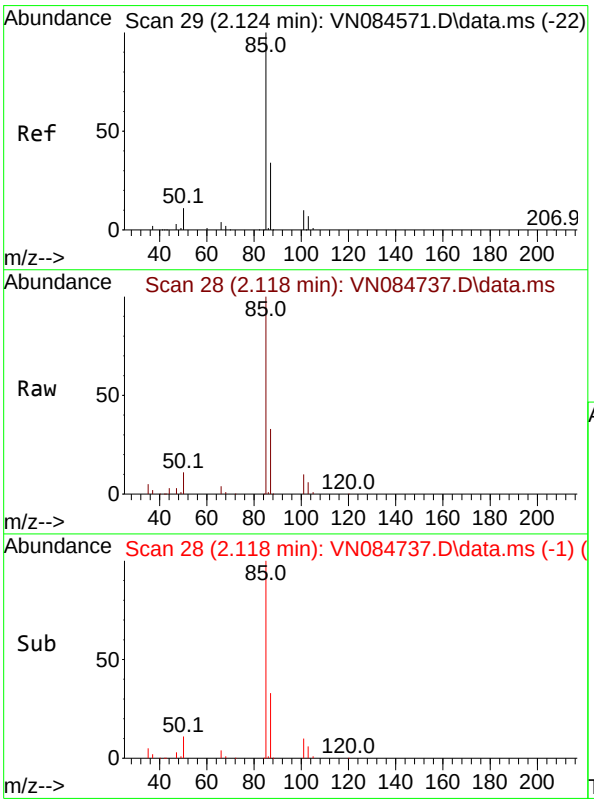
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 183021

Ion	Ratio	Lower	Upper
168	100		
99	64.9	54.2	81.2

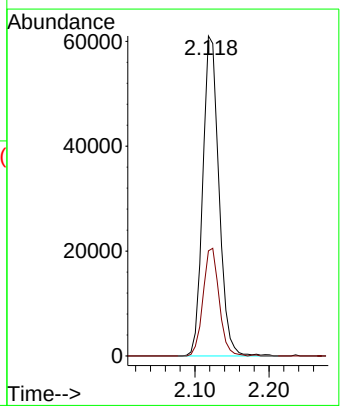


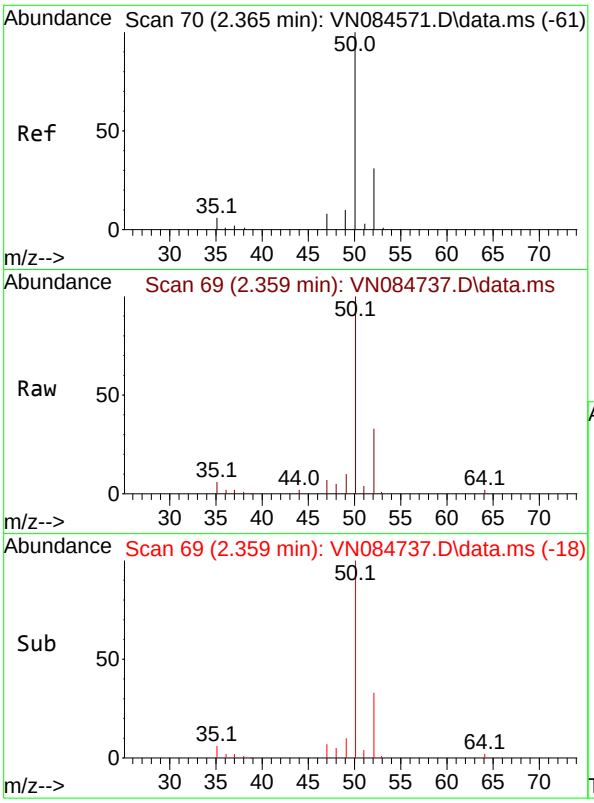


#2
Dichlorodifluoromethane
Concen: 44.011 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 85 Resp: 92598

Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.6	52.9



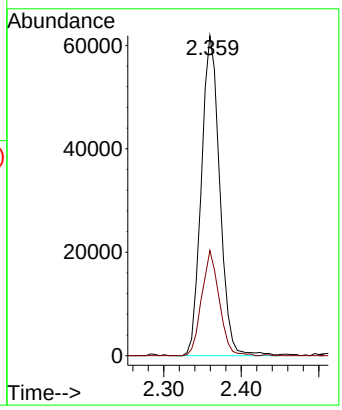


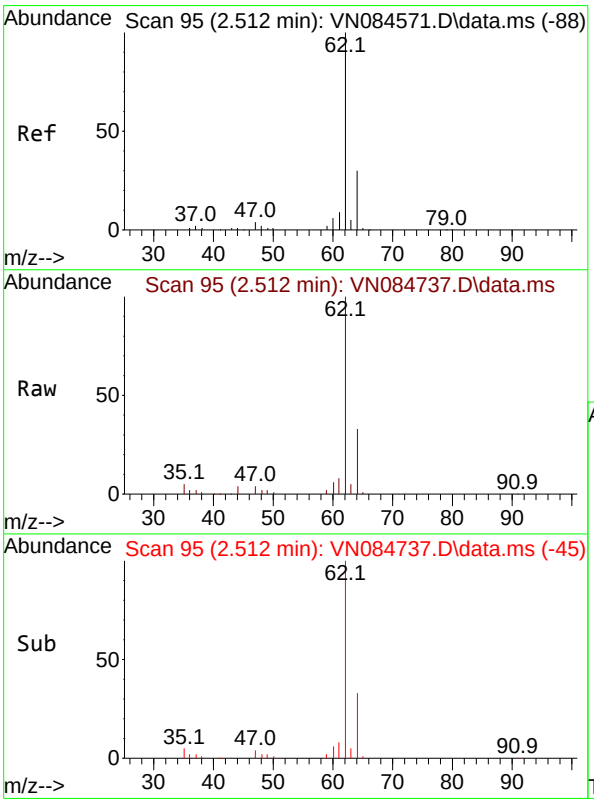
#3
Chloromethane
Concen: 40.824 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 101929

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.8	40.2

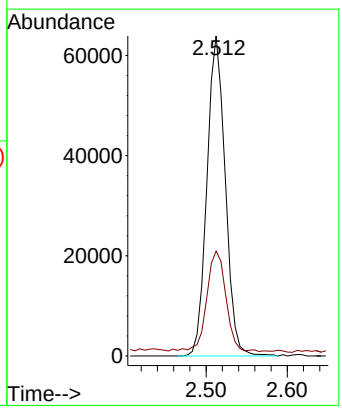


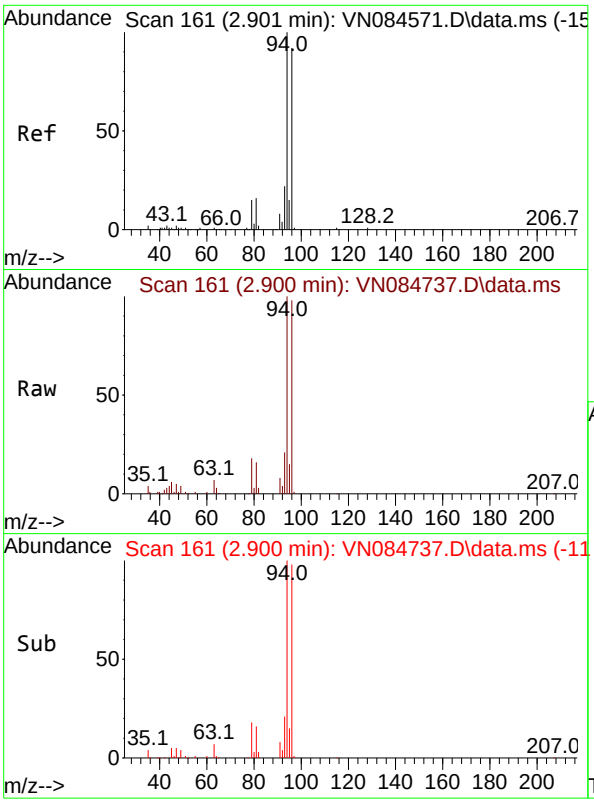


#4
Vinyl Chloride
Concen: 44.265 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 62 Resp: 100170

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4



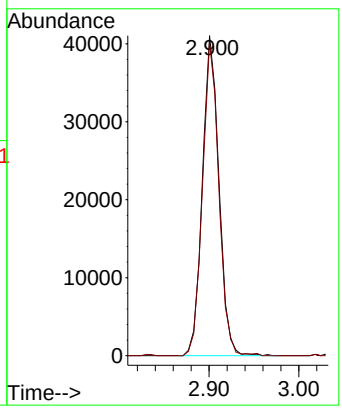


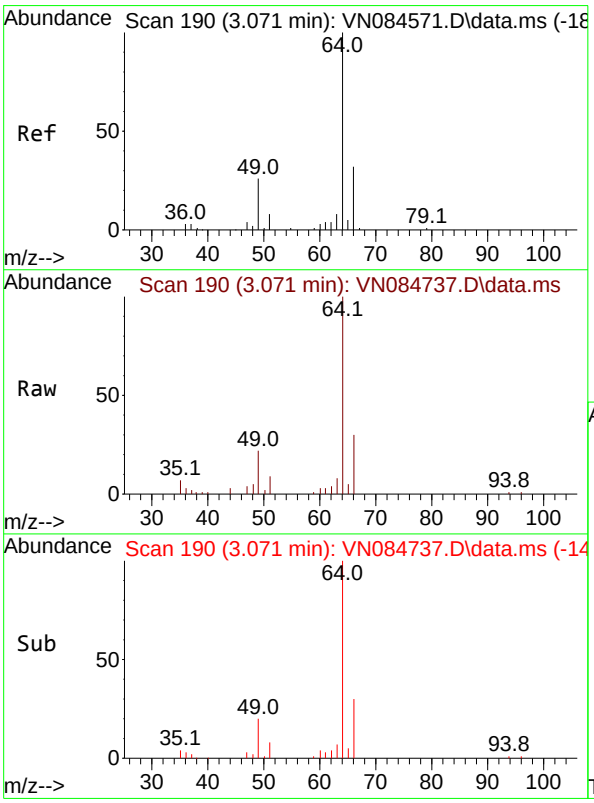
#5
Bromomethane
Concen: 43.874 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 52604

Ion	Ratio	Lower	Upper
94	100		
96	98.0	72.9	109.3

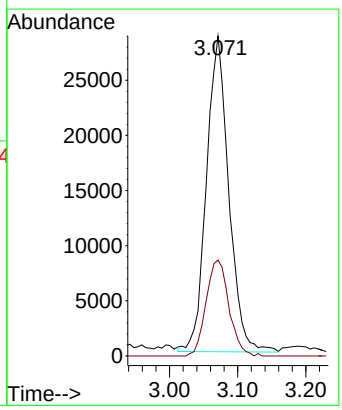


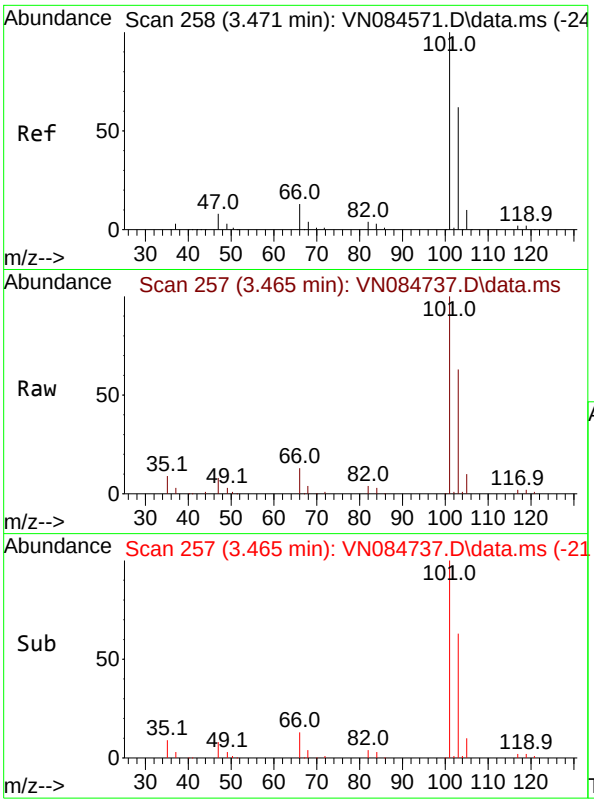


#6
Chloroethane
Concen: 46.548 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 64 Resp: 65338

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3



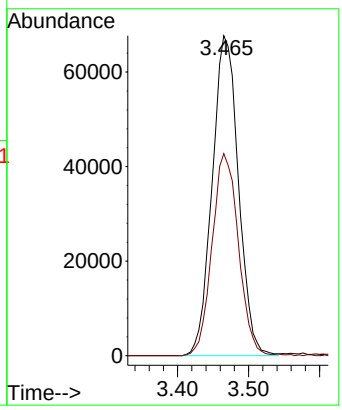


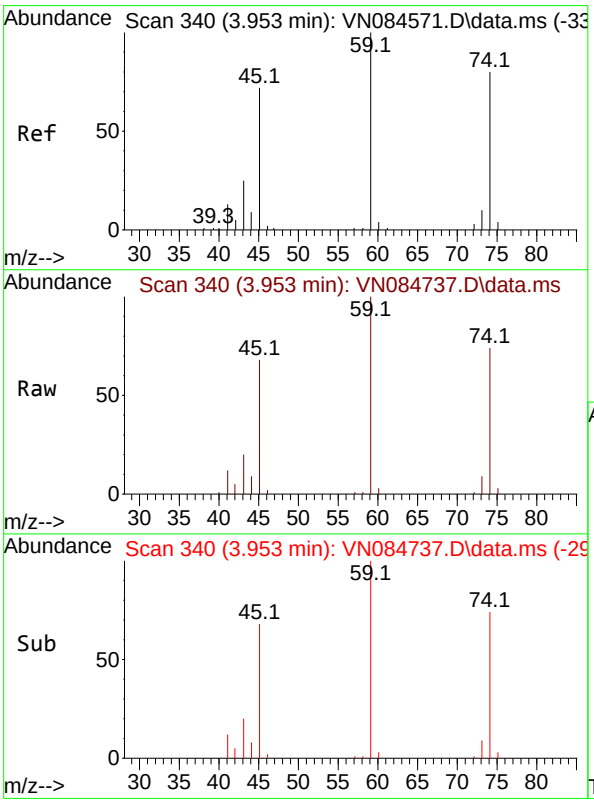
#7
Trichlorofluoromethane
Concen: 46.569 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 173596

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.6

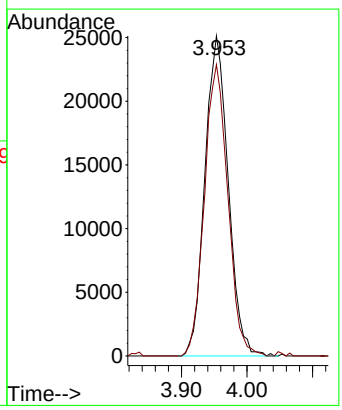


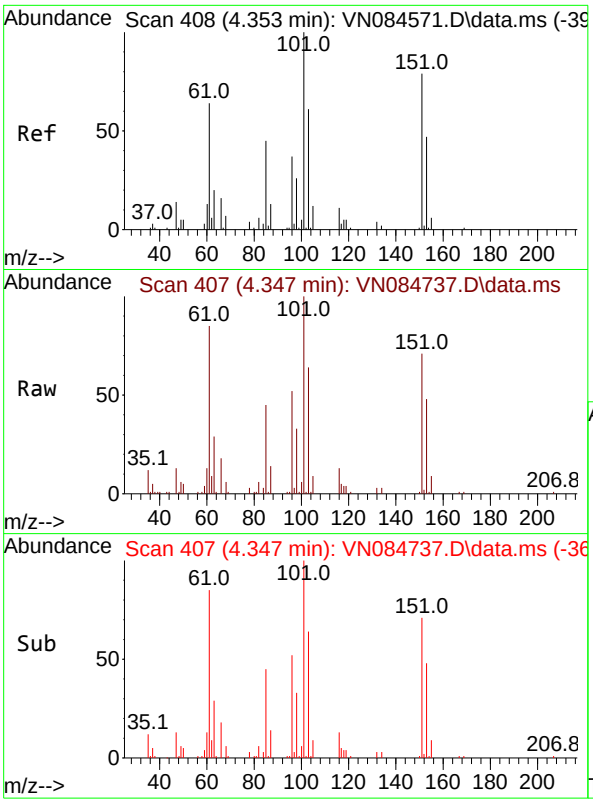


#8
Diethyl Ether
Concen: 47.307 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 74 Resp: 62208

Ion	Ratio	Lower	Upper
74	100		
45	91.2	47.7	143.1



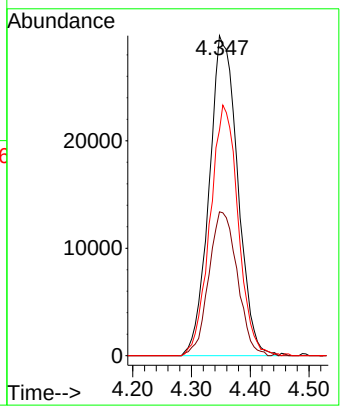


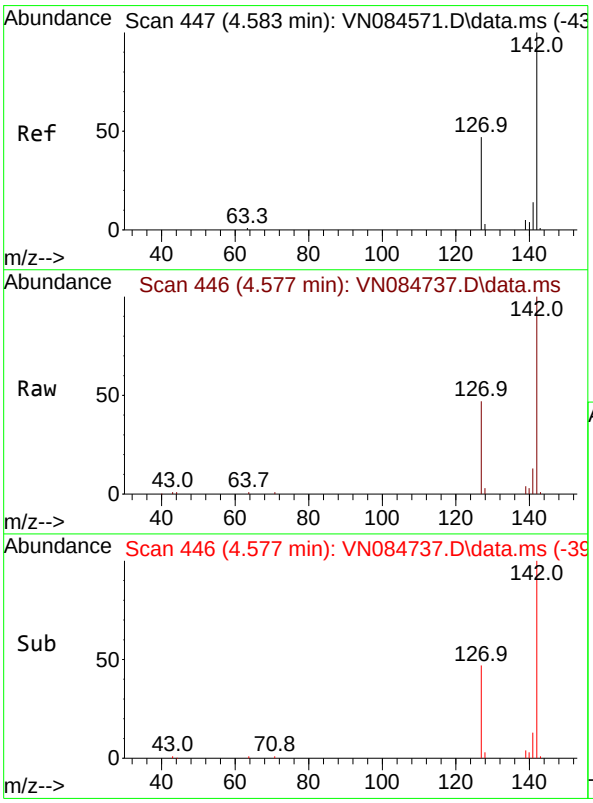
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.675 ug/l
RT: 4.347 min Scan# 4(
Delta R.T. -0.024 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 100421

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	77.0	59.3	88.9

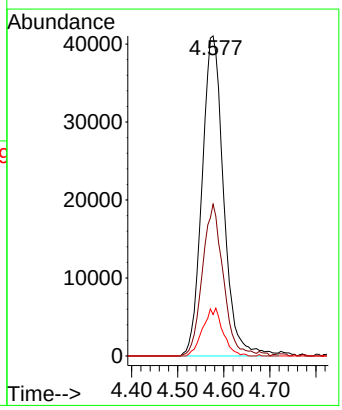


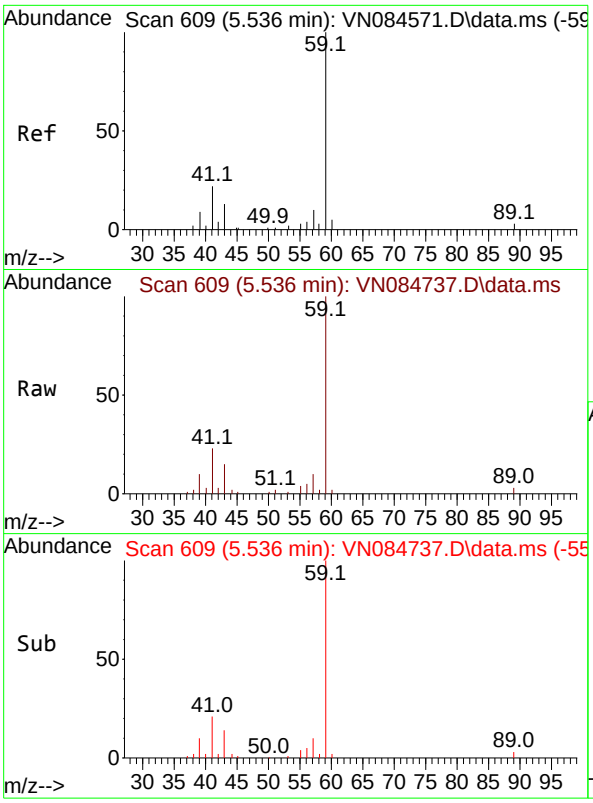


#10
Methyl Iodide
Concen: 47.554 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:142 Resp: 133872

Ion	Ratio	Lower	Upper
142	100		
127	47.4	35.3	52.9
141	13.0	11.0	16.6



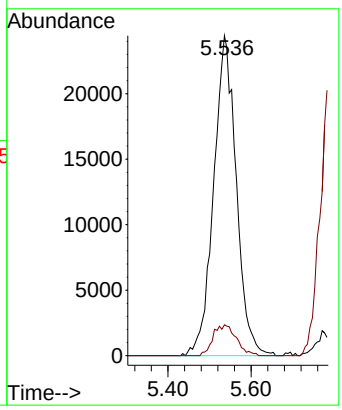


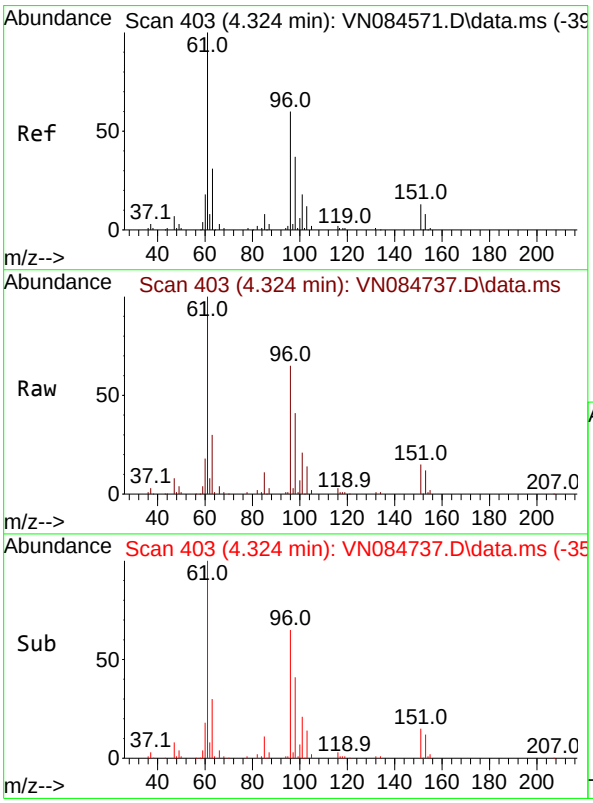
#11
Tert butyl alcohol
Concen: 264.502 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 92292

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

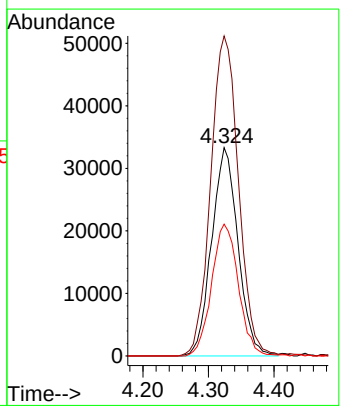


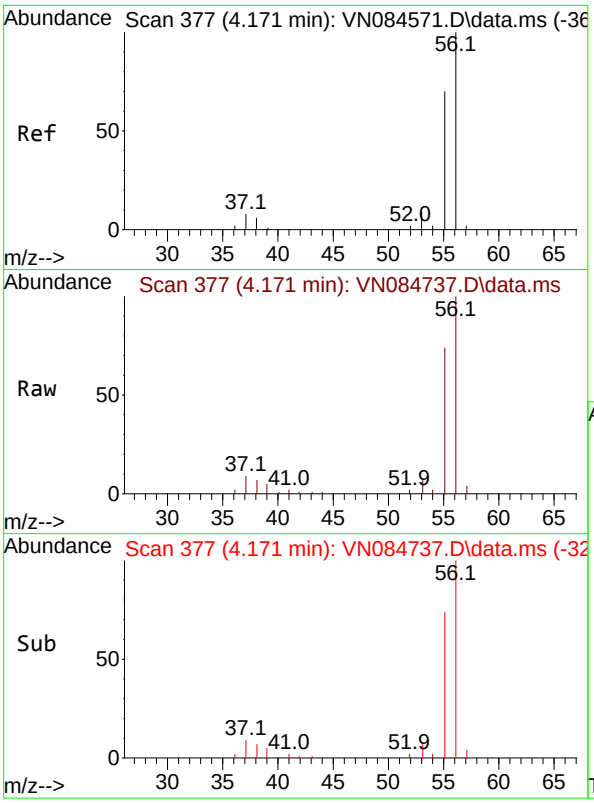


#12
1,1-Dichloroethene
Concen: 44.624 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 96 Resp: 93006

Ion	Ratio	Lower	Upper
96	100		
61	153.6	128.6	192.8
98	63.3	51.7	77.5



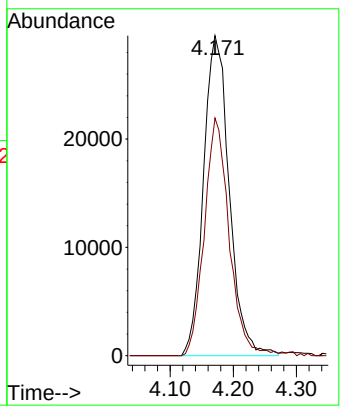


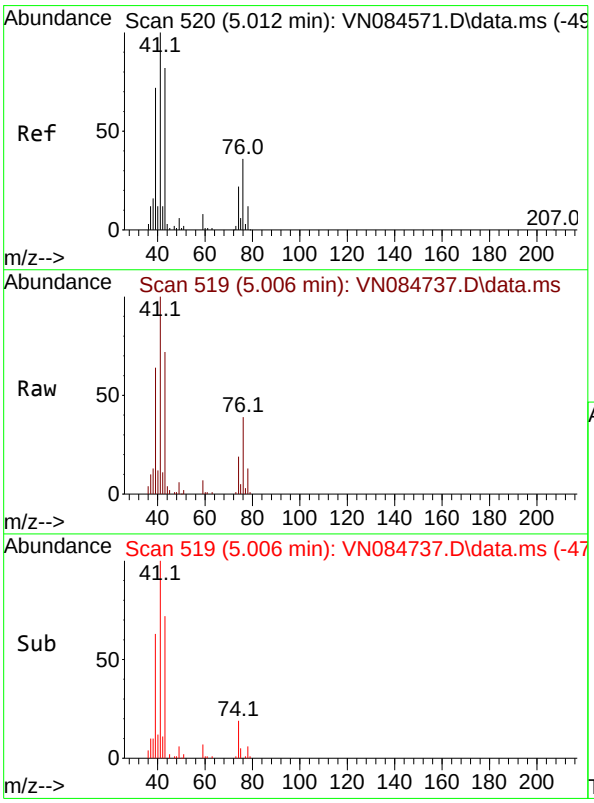
#13
Acrolein
Concen: 240.444 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 83660

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

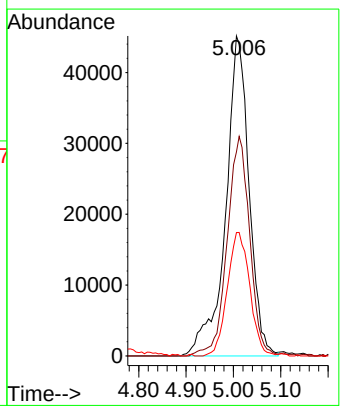


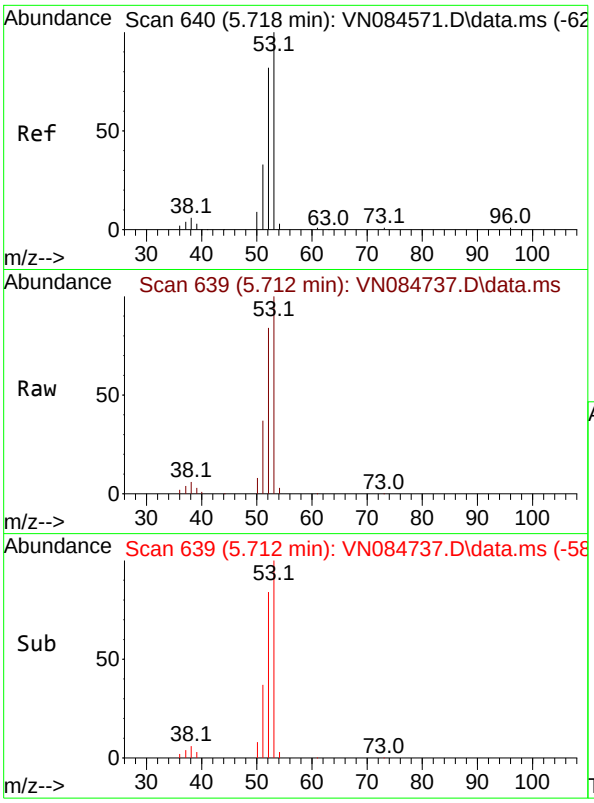


#14
Allyl chloride
Concen: 45.991 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 41 Resp: 155453

Ion	Ratio	Lower	Upper
41	100		
39	65.8	59.0	88.6
76	36.9	29.8	44.6



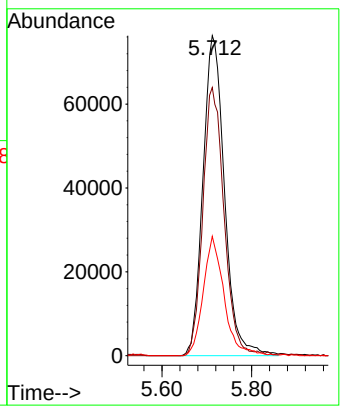


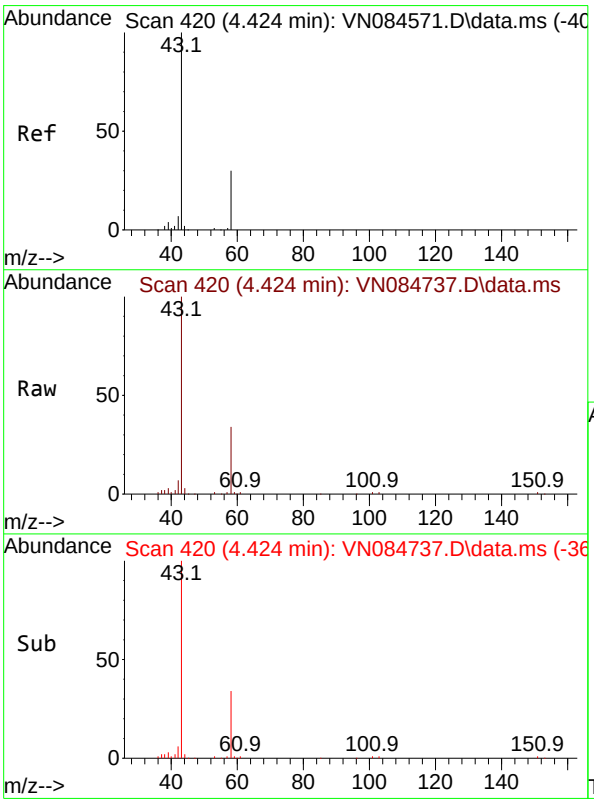
#15
Acrylonitrile
Concen: 252.005 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 254557

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.4
51	36.0	28.8	43.2

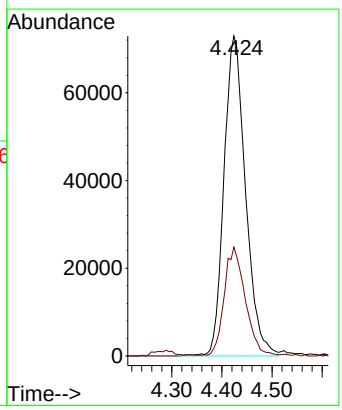


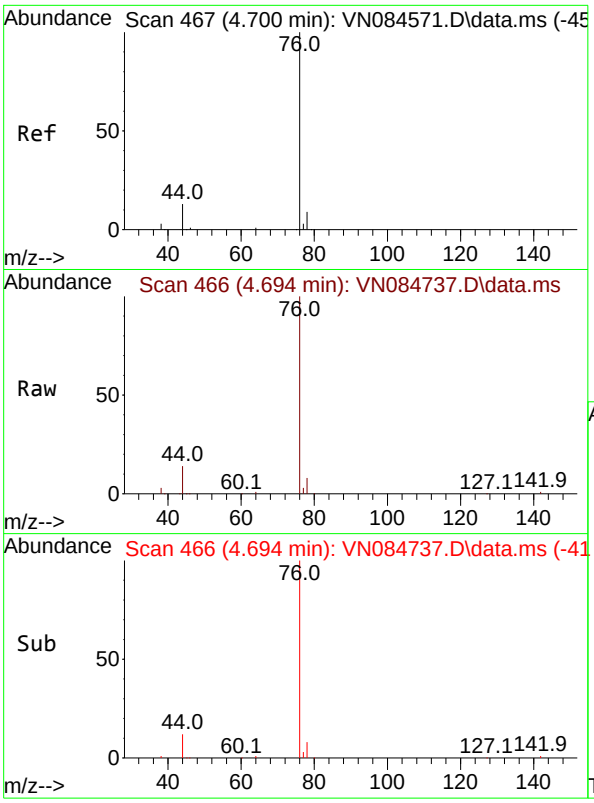


#16
Acetone
Concen: 285.402 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 217622

Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.4	36.6



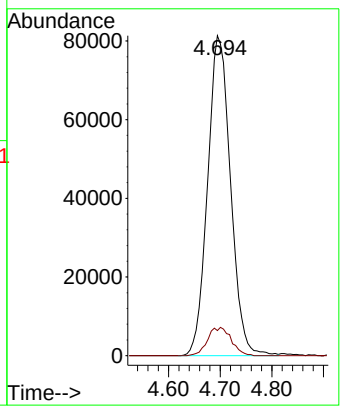


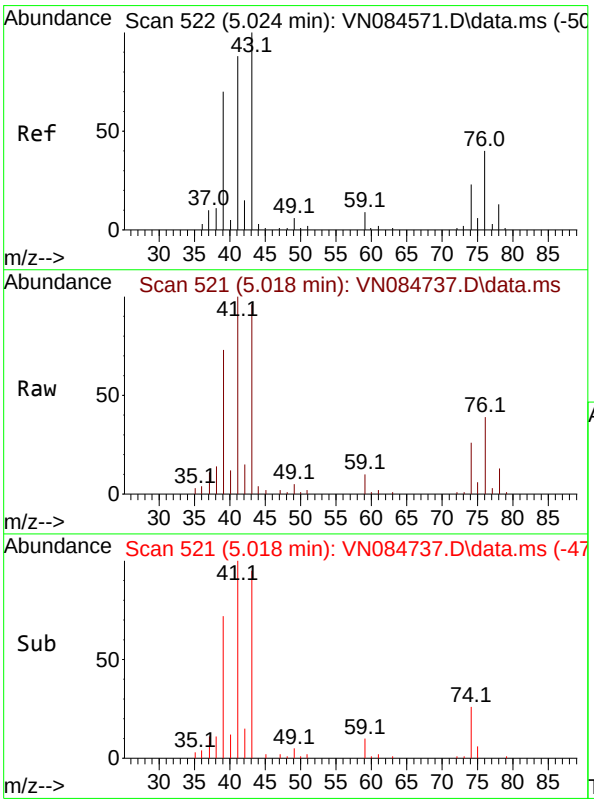
#17
Carbon Disulfide
Concen: 39.085 ug/l
RT: 4.694 min Scan# 4
Delta R.T. -0.018 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 250866

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.3	10.9

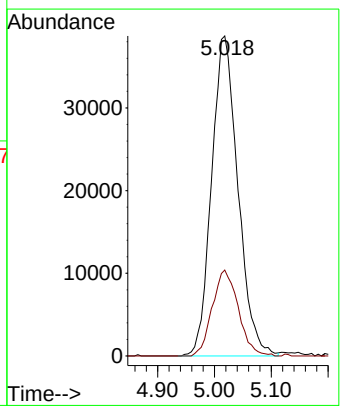


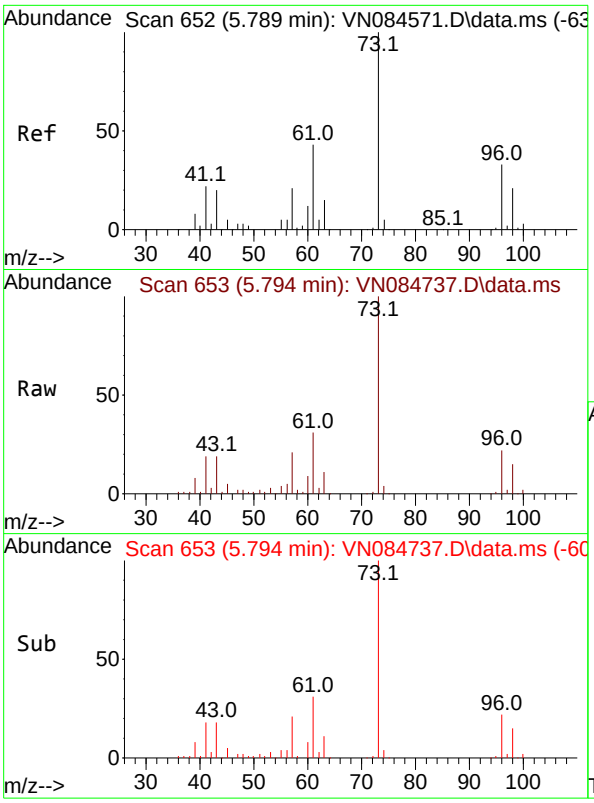


#18
Methyl Acetate
Concen: 44.235 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 124668

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.2	28.8



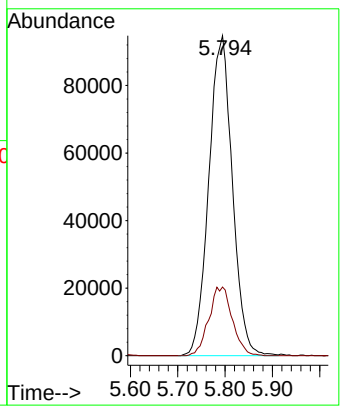


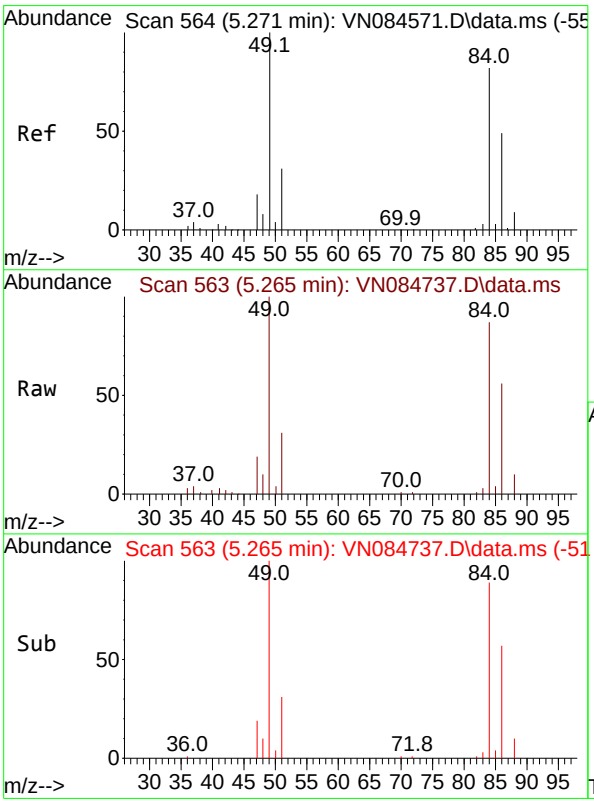
#19
Methyl tert-butyl Ether
Concen: 51.192 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 327032

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

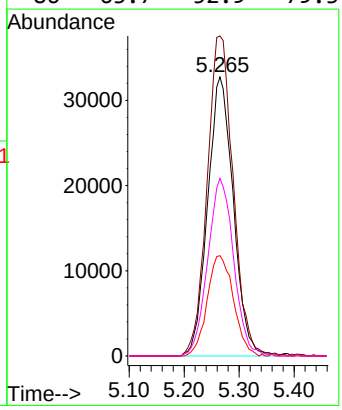


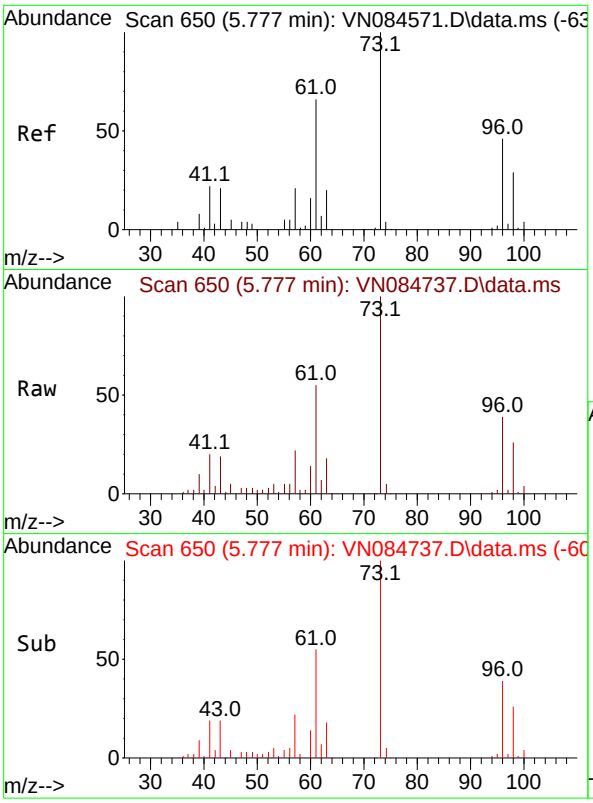


#20
Methylene Chloride
Concen: 45.640 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 84 Resp: 106110

Ion	Ratio	Lower	Upper
84	100		
49	114.8	107.2	160.8
51	36.0	31.8	47.8
86	63.7	52.9	79.3



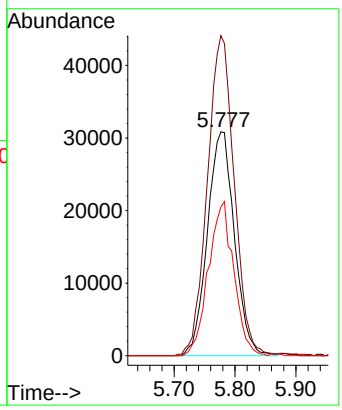


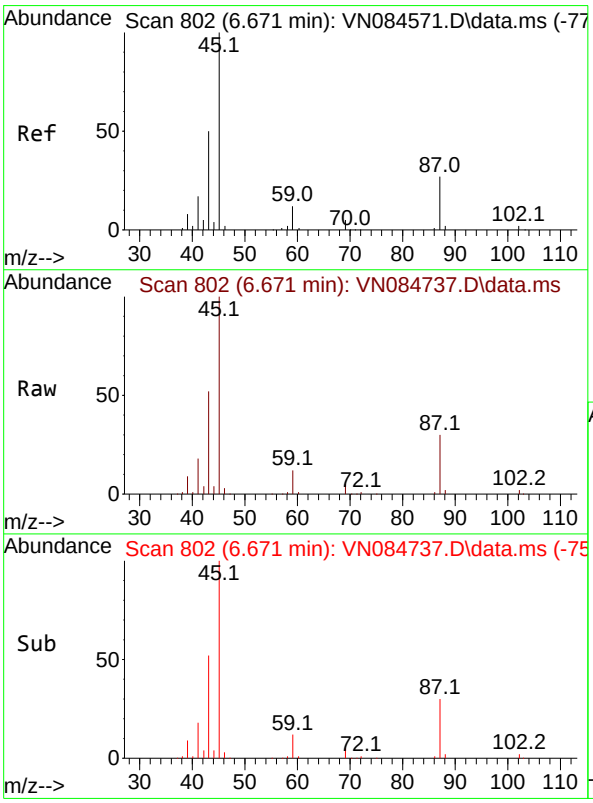
#21
trans-1,2-Dichloroethene
Concen: 44.620 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 95494

Ion	Ratio	Lower	Upper
96	100		
61	142.3	108.4	162.6
98	66.4	49.8	74.8

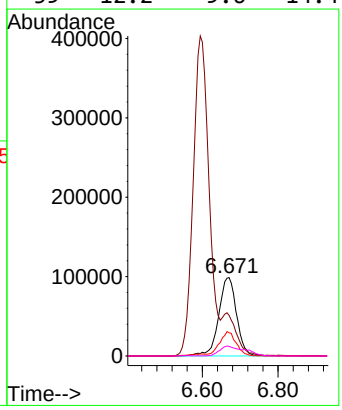


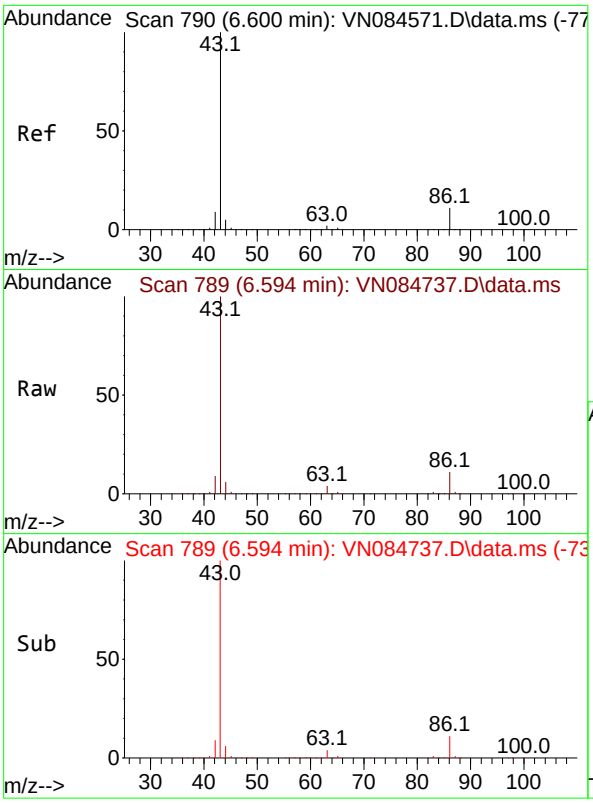


#22
Diisopropyl ether
Concen: 48.241 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 45 Resp: 324001

Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.3	63.5
87	29.6	21.8	32.6
59	12.2	9.6	14.4



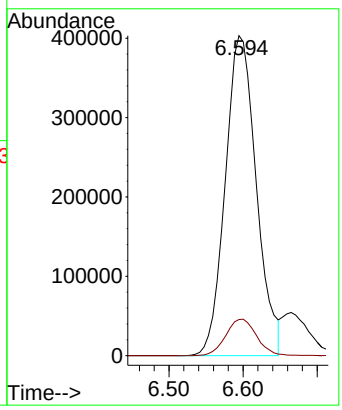


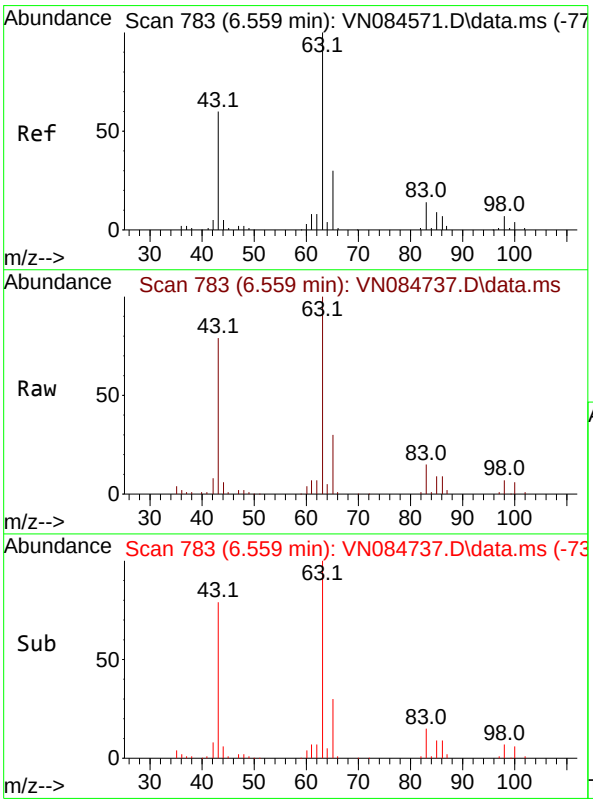
#23
Vinyl Acetate
Concen: 253.614 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1174644

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

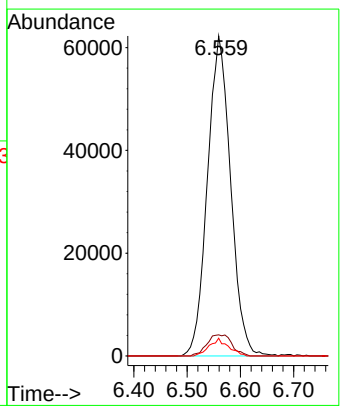


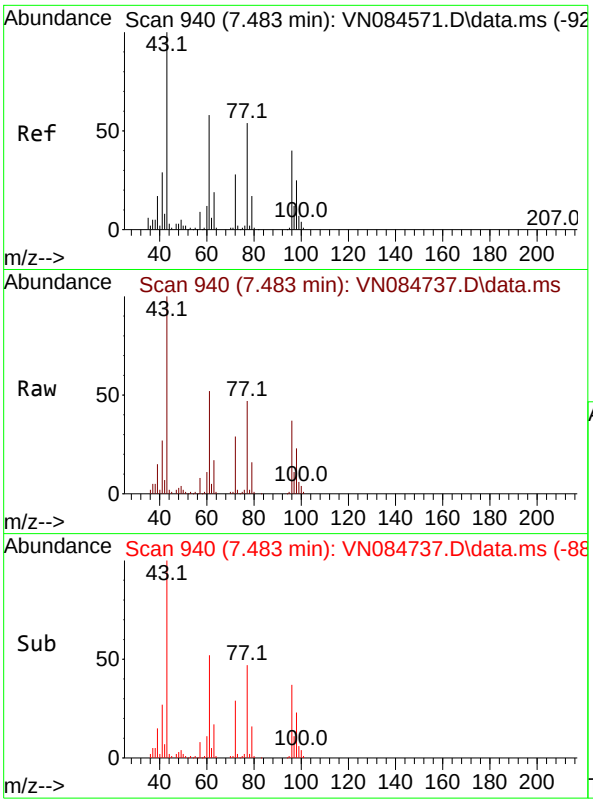


#24
1,1-Dichloroethane
Concen: 46.632 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 63 Resp: 188032

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	5.5	2.0	5.8



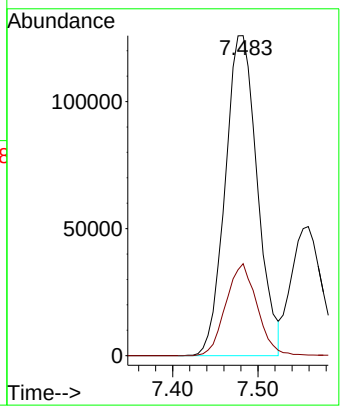


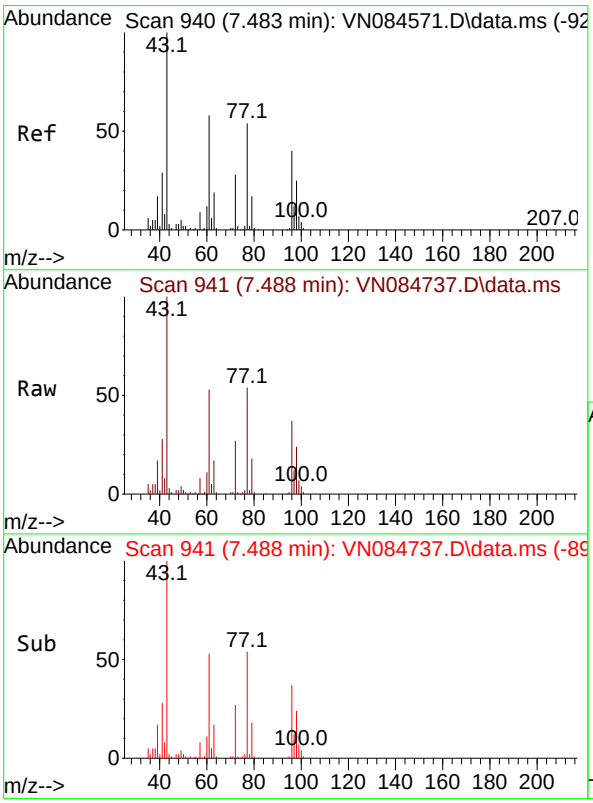
#25
2-Butanone
Concen: 267.725 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 330172

Ion	Ratio	Lower	Upper
43	100		
72	28.7	21.4	32.2

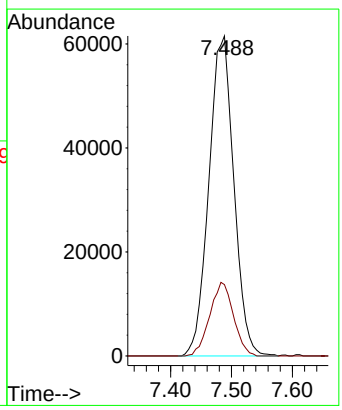


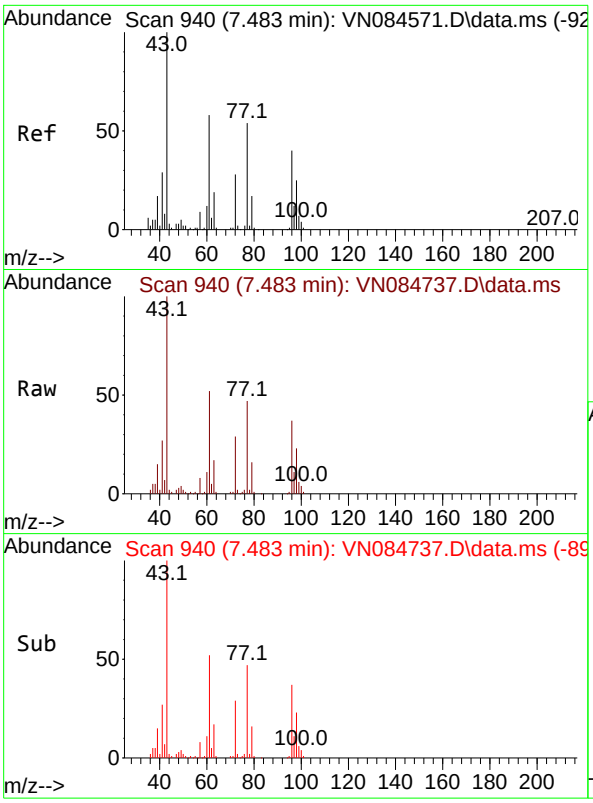


#26
2,2-Dichloropropane
Concen: 49.924 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 77 Resp: 175211

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.8	32.3



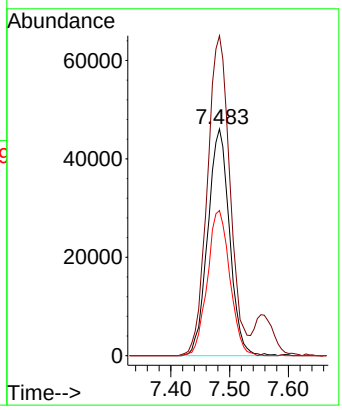


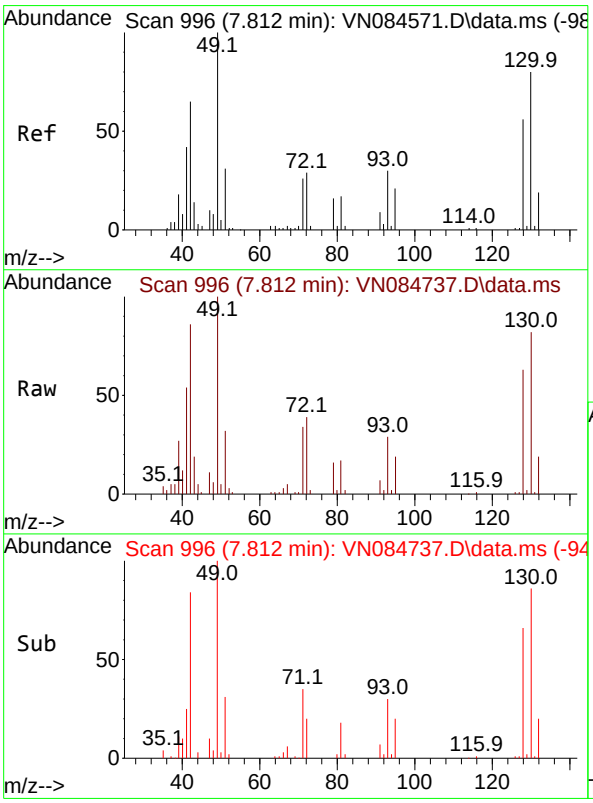
#27
cis-1,2-Dichloroethene
Concen: 47.375 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 118386

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	301.8
98	66.0	0.0	128.2

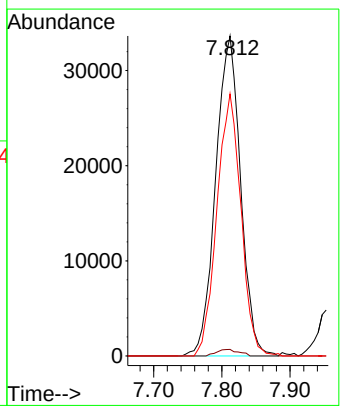


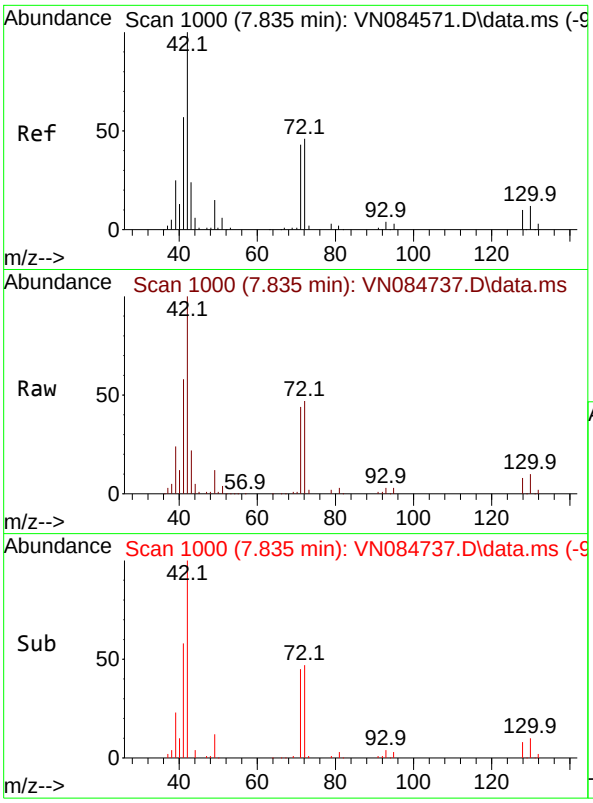


#28
Bromochloromethane
Concen: 53.278 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 49 Resp: 85591

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	79.0	58.0	87.0



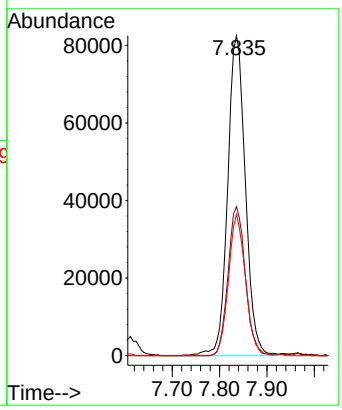


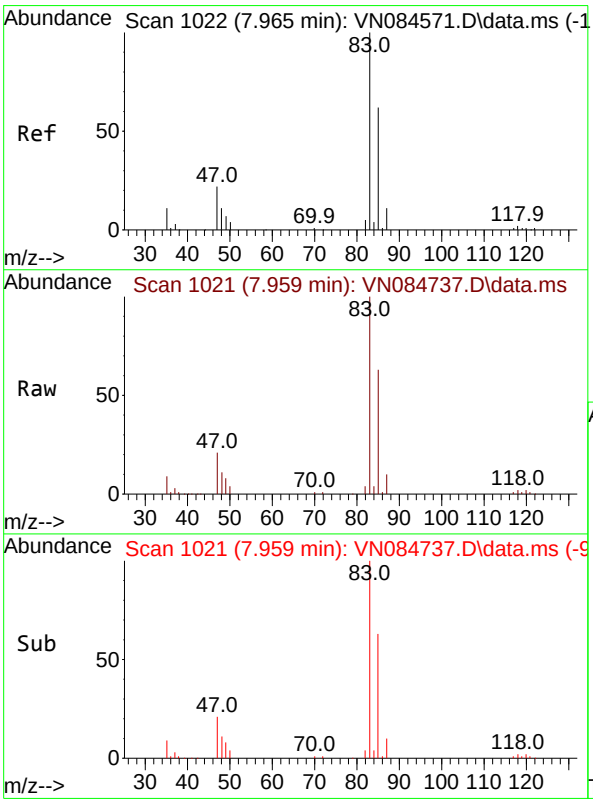
#29
Tetrahydrofuran
Concen: 262.227 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 214543

Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.6	51.8
71	42.3	32.2	48.4

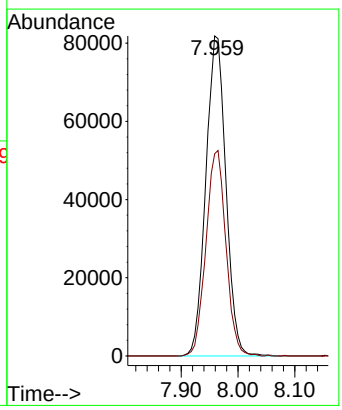


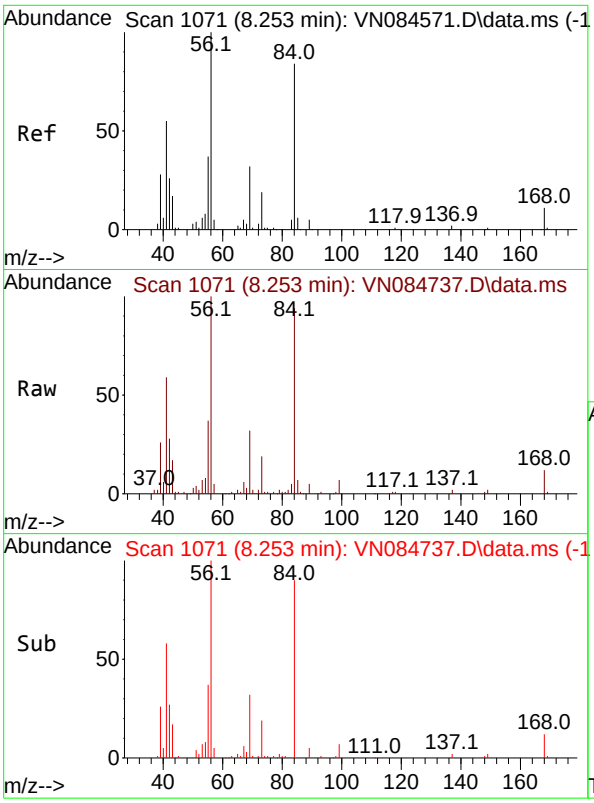


#30
Chloroform
Concen: 48.836 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 83 Resp: 200430

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4



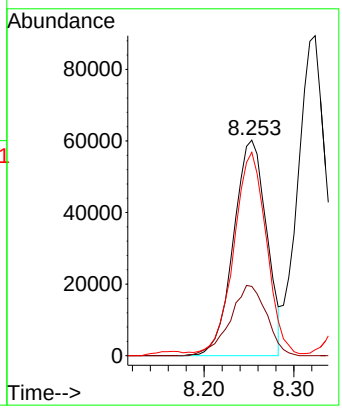


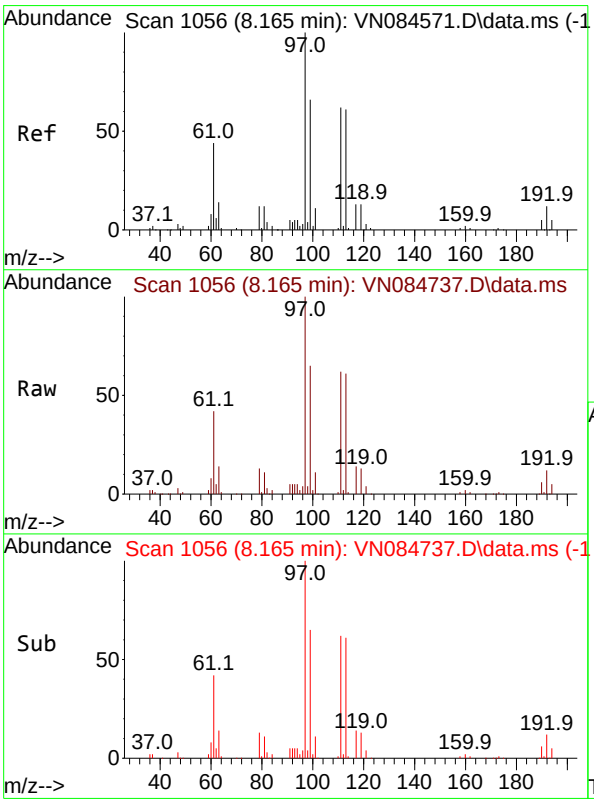
#31
Cyclohexane
Concen: 42.218 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 154078

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.6
84	92.4	68.8	103.2

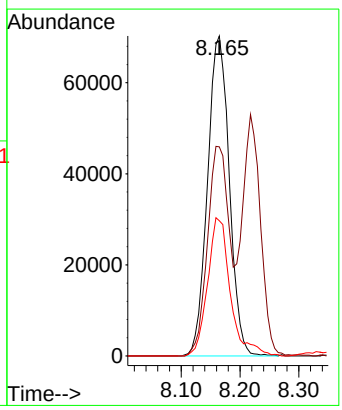


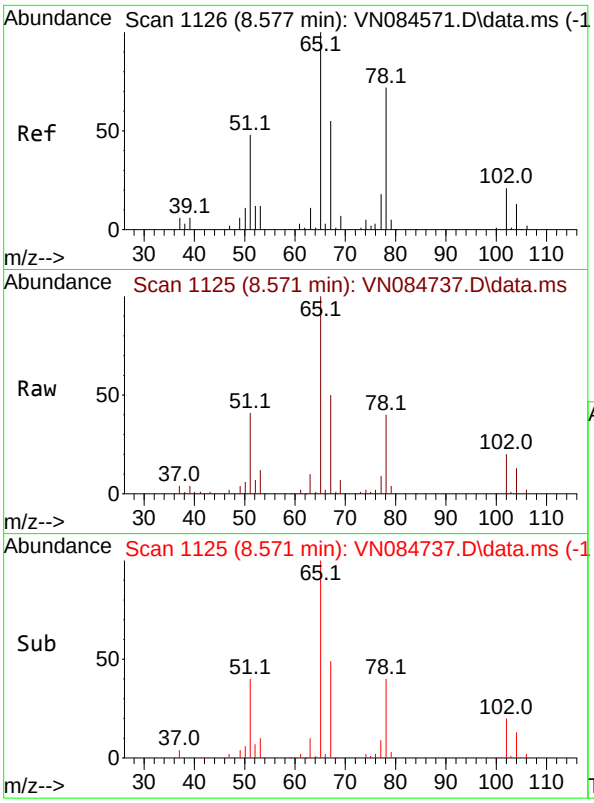


#32
1,1,1-Trichloroethane
Concen: 48.451 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 97 Resp: 180989

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.1	37.5	56.3



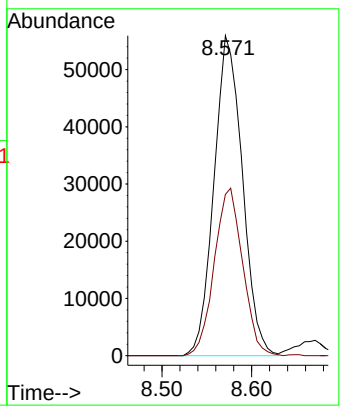


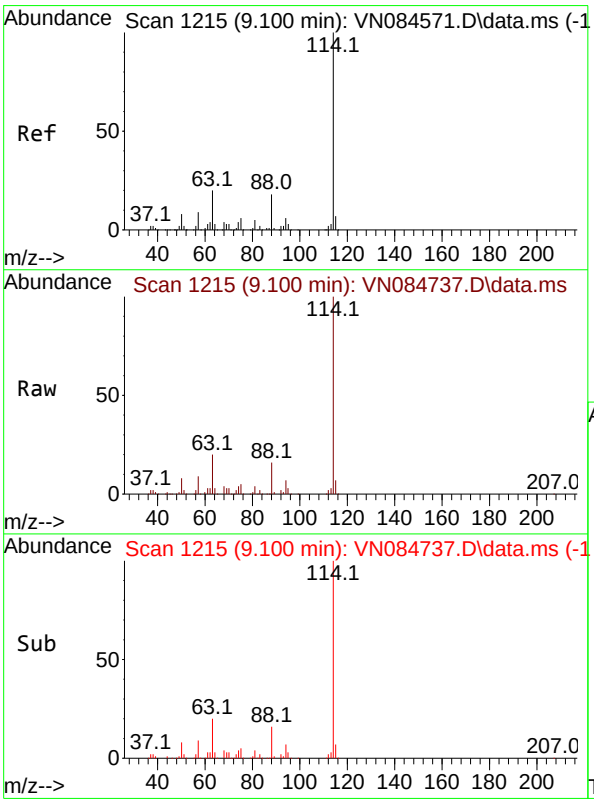
#33
1,2-Dichloroethane-d4
Concen: 46.520 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 122973

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0

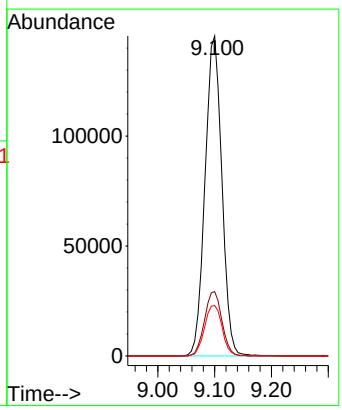


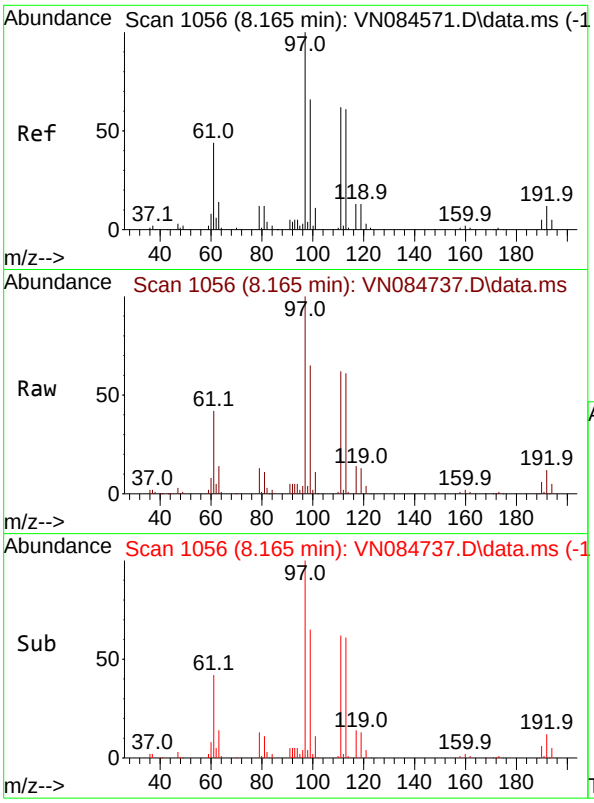


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:114 Resp: 298323

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	15.8	0.0	31.6



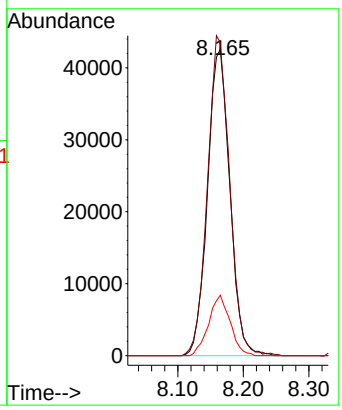


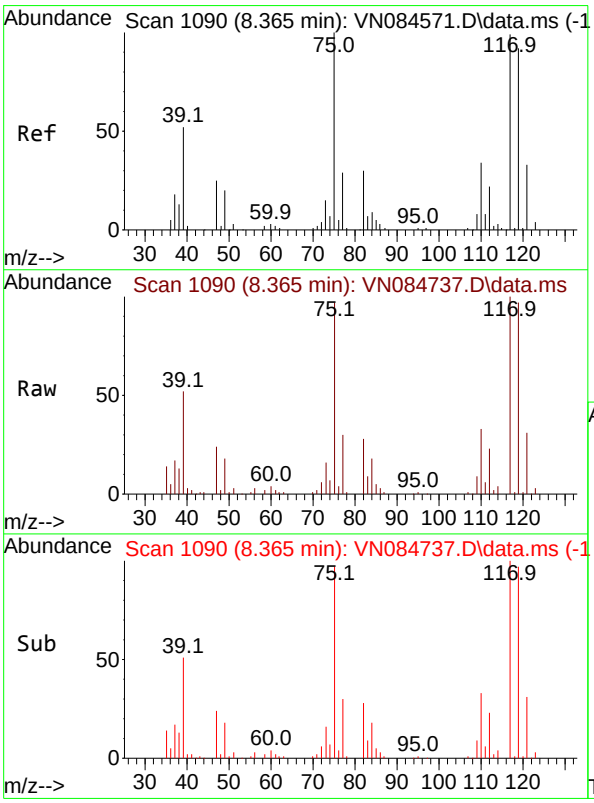
#35
Dibromofluoromethane
Concen: 49.841 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 100644

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.3	124.9
192	19.0	13.5	20.3

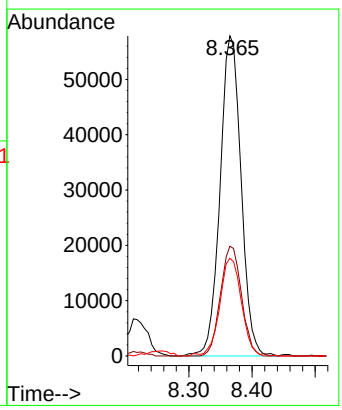


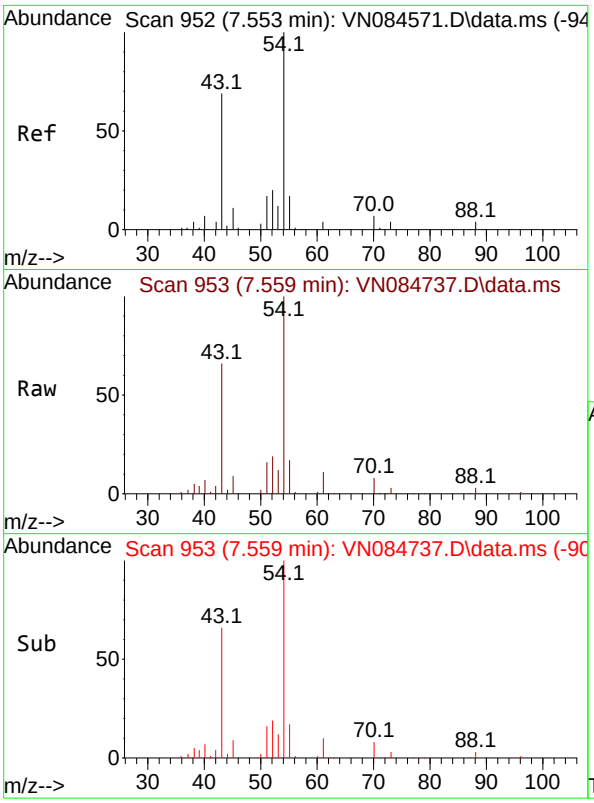


#36
1,1-Dichloropropene
Concen: 47.829 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 133944

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.7
77	31.3	24.7	37.1



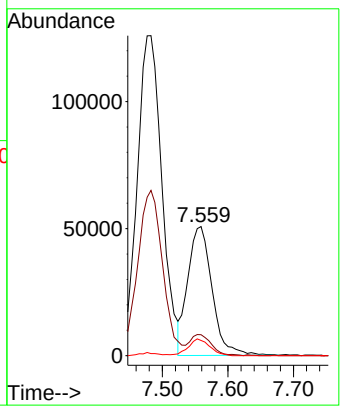


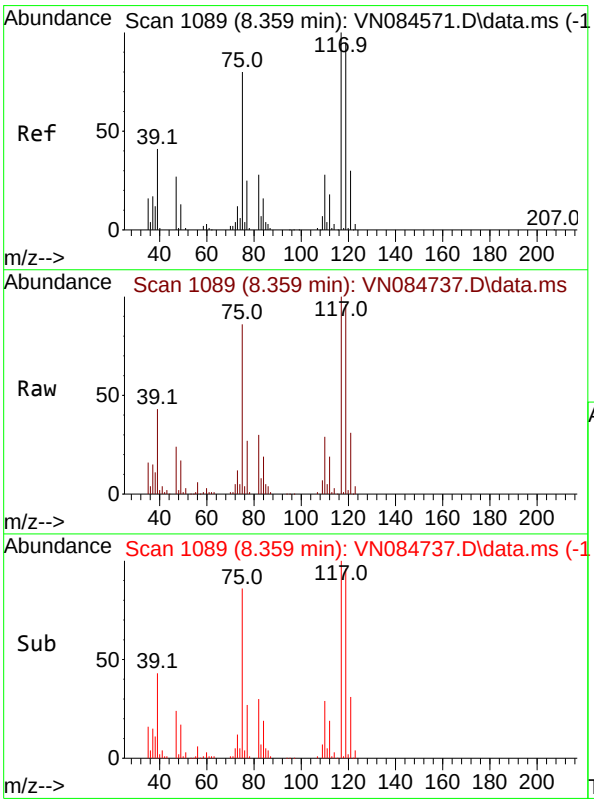
#37
Ethyl Acetate
Concen: 51.530 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 130931

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.5	8.8	13.2

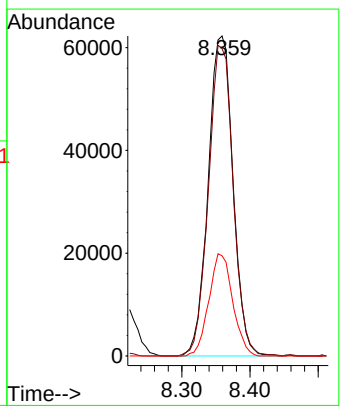


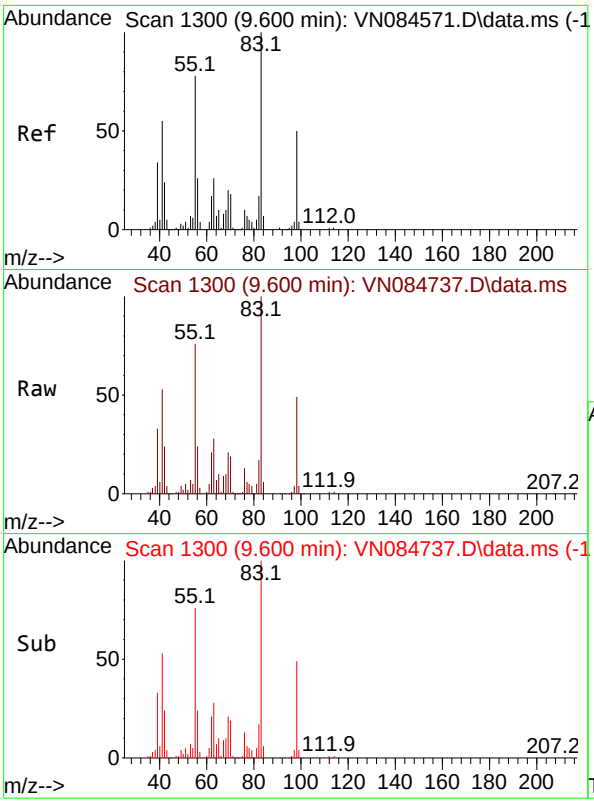


#38
Carbon Tetrachloride
Concen: 50.460 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:117 Resp: 157953

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.7	118.1
121	31.3	24.4	36.6



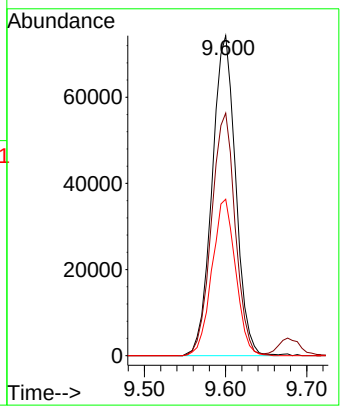


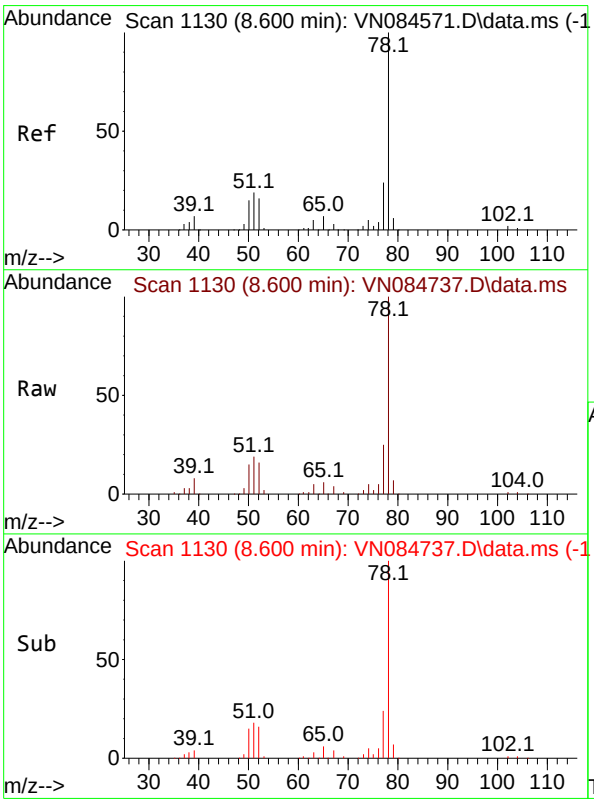
#39
Methylcyclohexane
Concen: 52.613 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 149896

Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.8	94.2
98	48.9	38.8	58.2

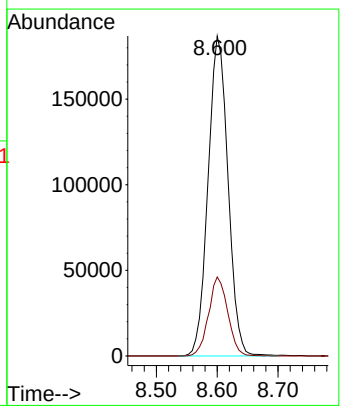


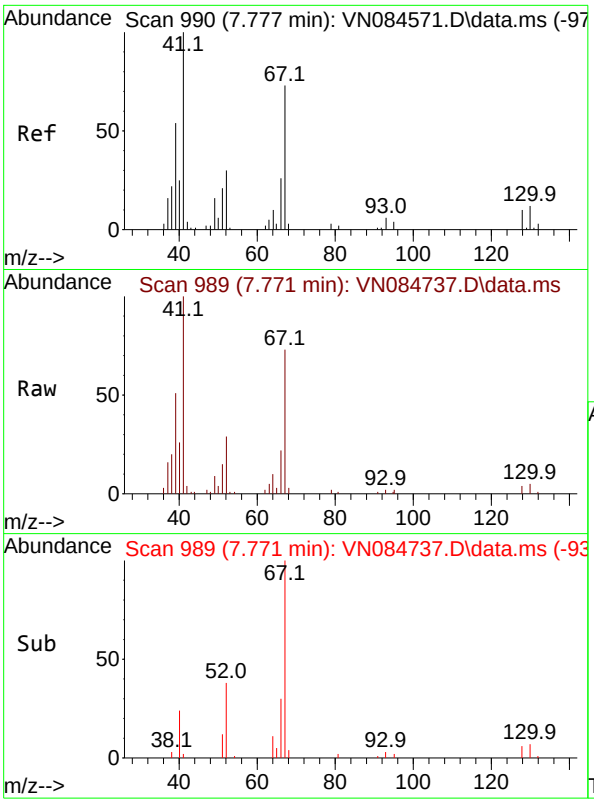


#40
Benzene
Concen: 47.302 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 78 Resp: 425418

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7



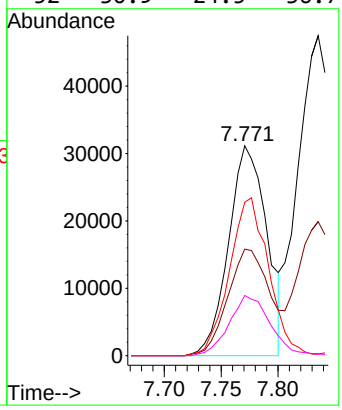


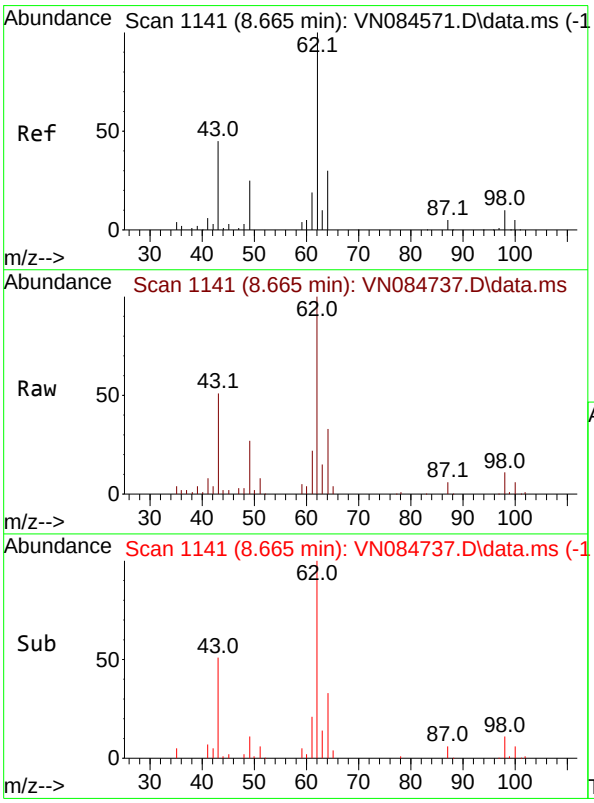
#41
Methacrylonitrile
Concen: 53.342 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 72885

Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.3	64.9
67	77.2	56.1	84.1
52	30.9	24.5	36.7

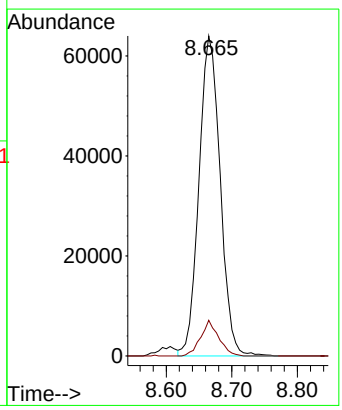


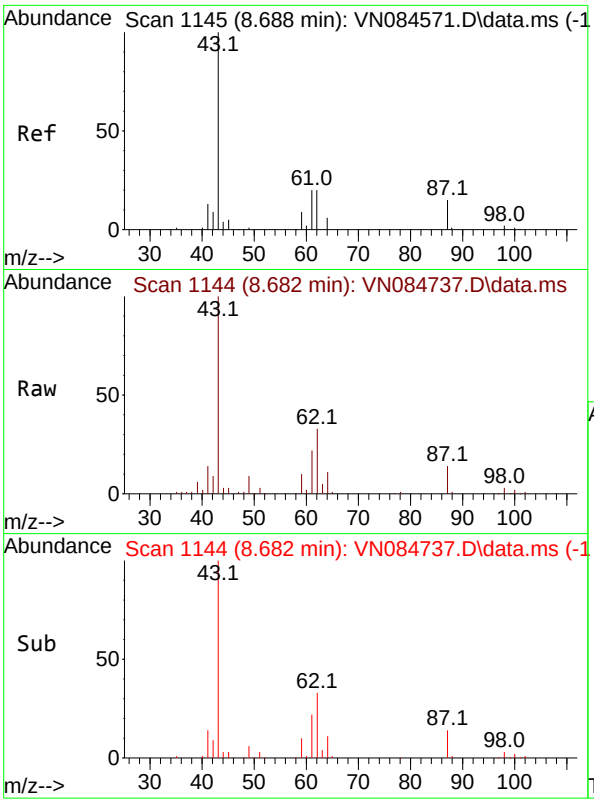


#42
1,2-Dichloroethane
Concen: 49.567 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 62 Resp: 144374

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



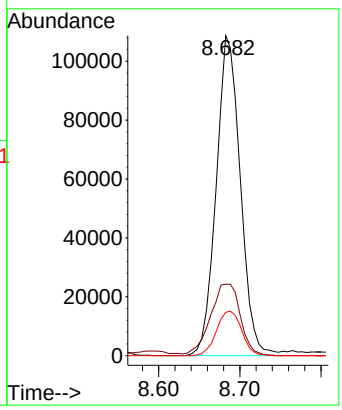


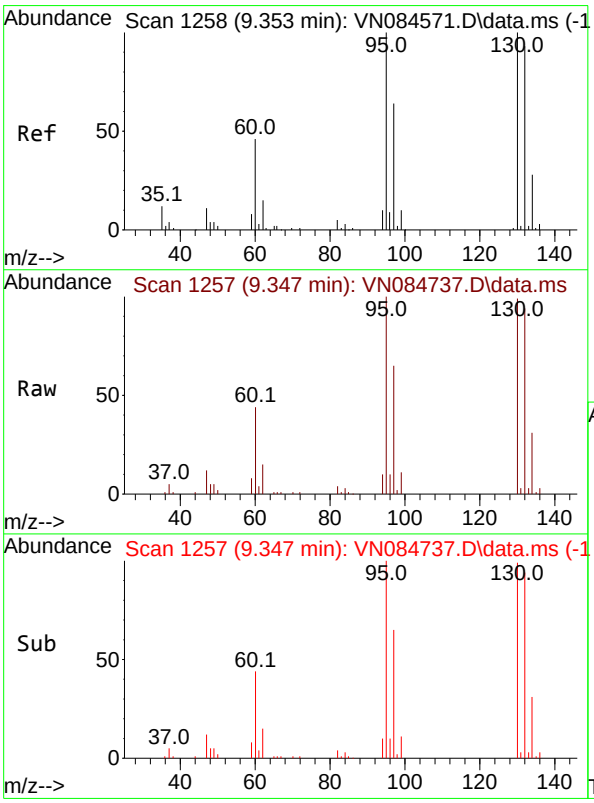
#43
Isopropyl Acetate
Concen: 47.825 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 224692

Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.4	30.6
87	14.5	10.3	15.5

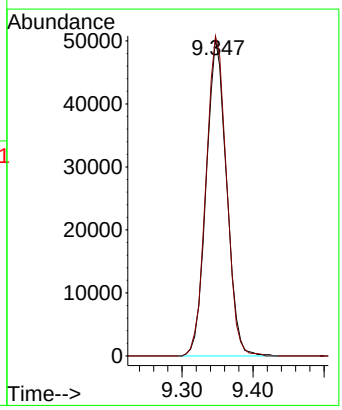


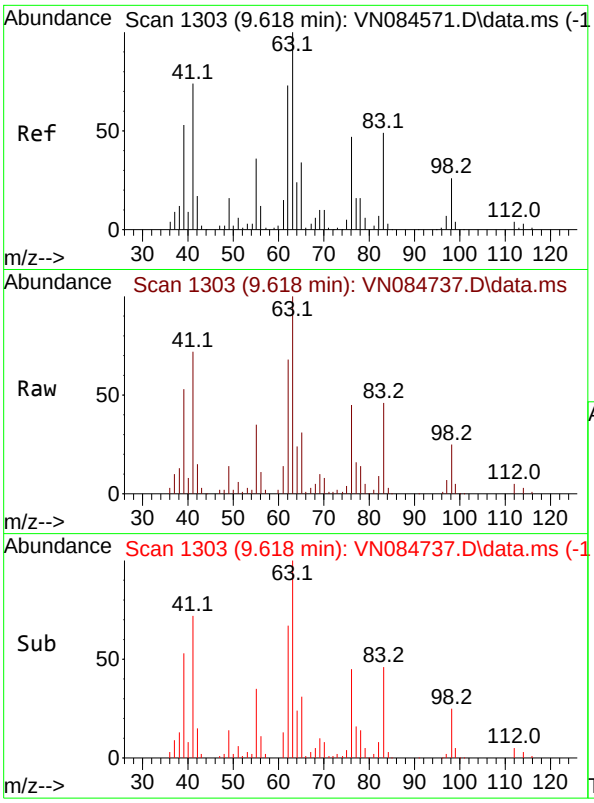


#44
Trichloroethene
Concen: 48.155 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:130 Resp: 99881

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	203.0



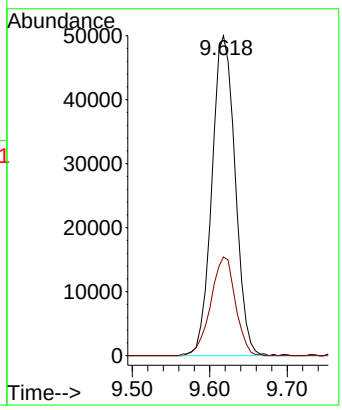


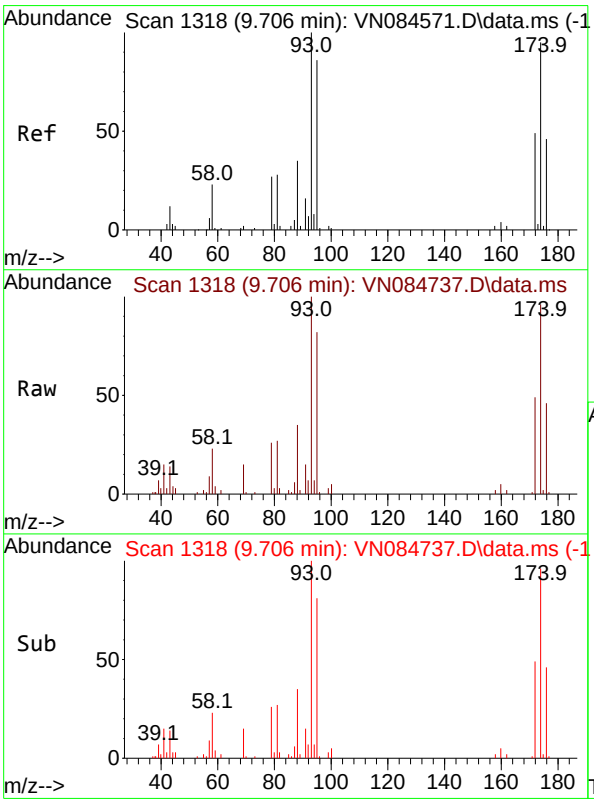
#45
1,2-Dichloropropane
Concen: 49.364 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 104146

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

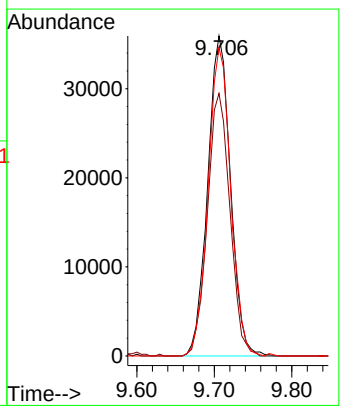


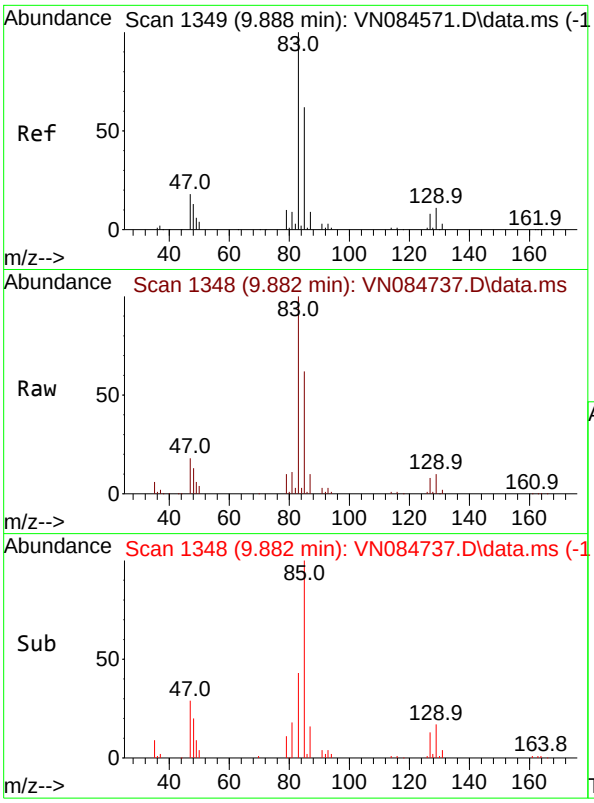


#46
Dibromomethane
Concen: 49.331 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 93 Resp: 73439

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.0	97.4
174	95.2	71.8	107.8



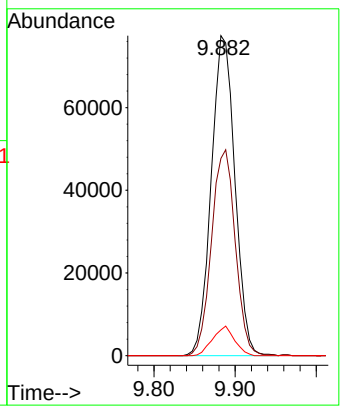


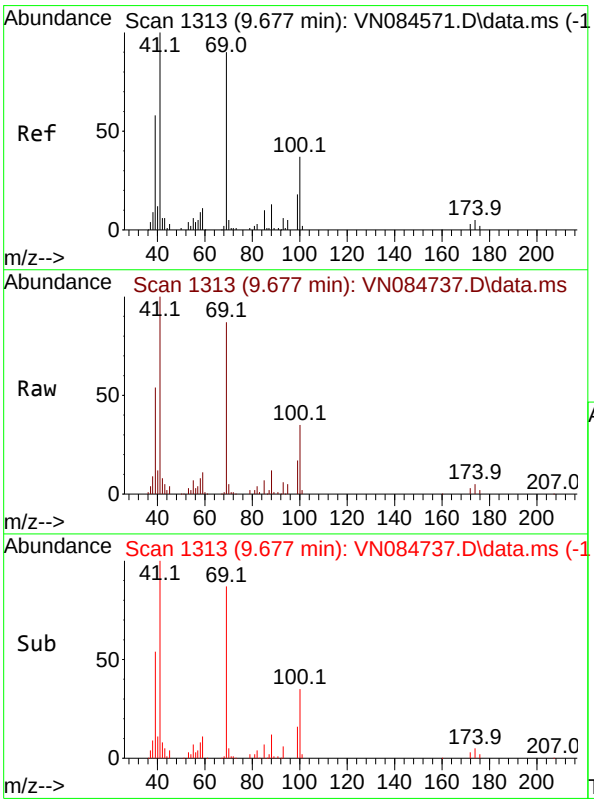
#47
Bromodichloromethane
Concen: 49.937 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 156706

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3
127	8.0	5.7	8.5

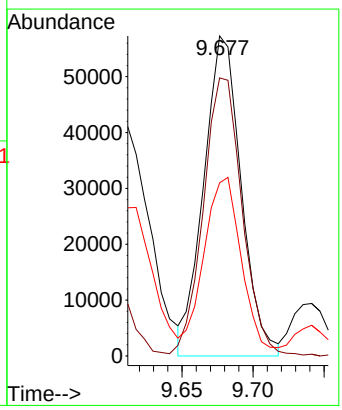


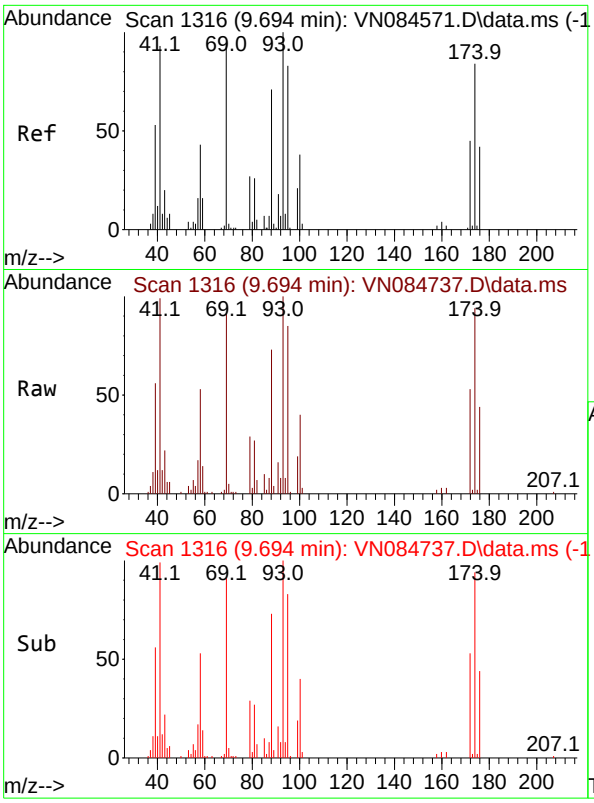


#48
Methyl methacrylate
Concen: 53.245 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 41 Resp: 105291

Ion	Ratio	Lower	Upper
41	100		
69	90.0	67.1	100.7
39	56.8	45.8	68.6



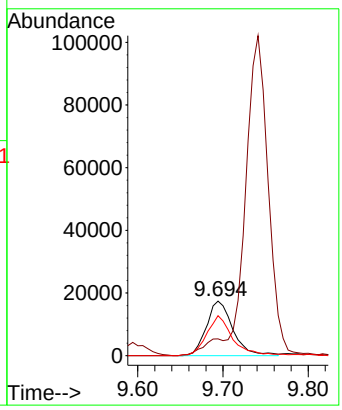


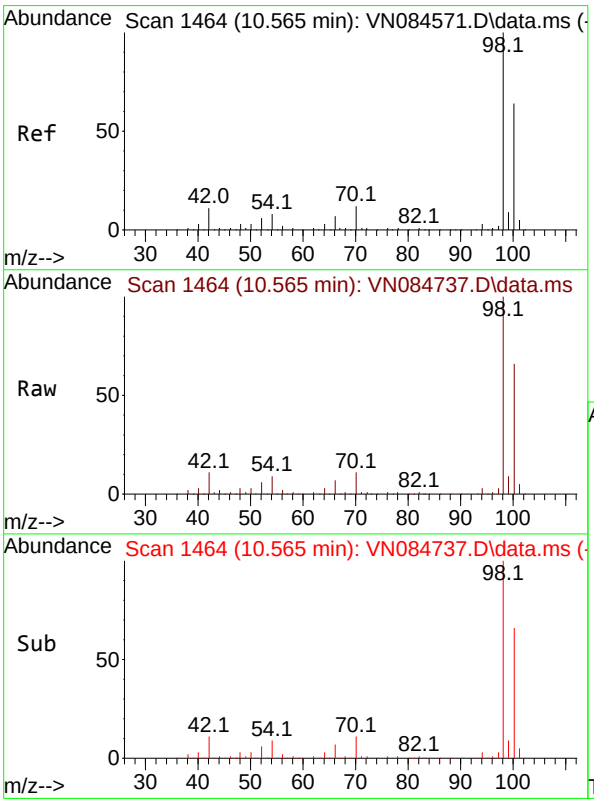
#49
1,4-Dioxane
Concen: 1067.991 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 37425

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6

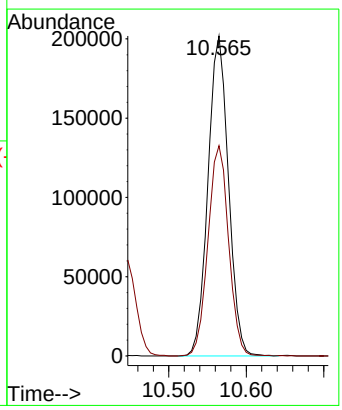


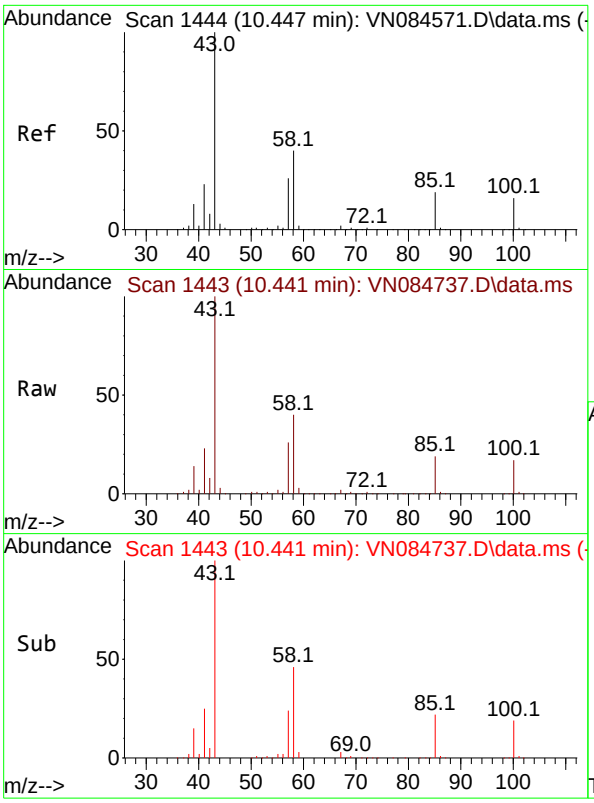


#50
Toluene-d8
Concen: 49.783 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 98 Resp: 370307

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1



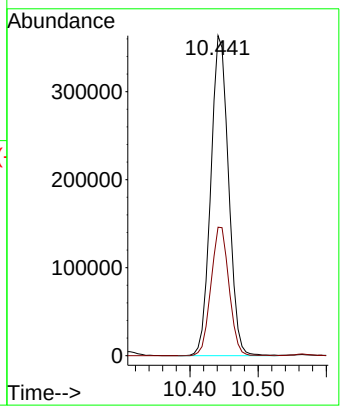


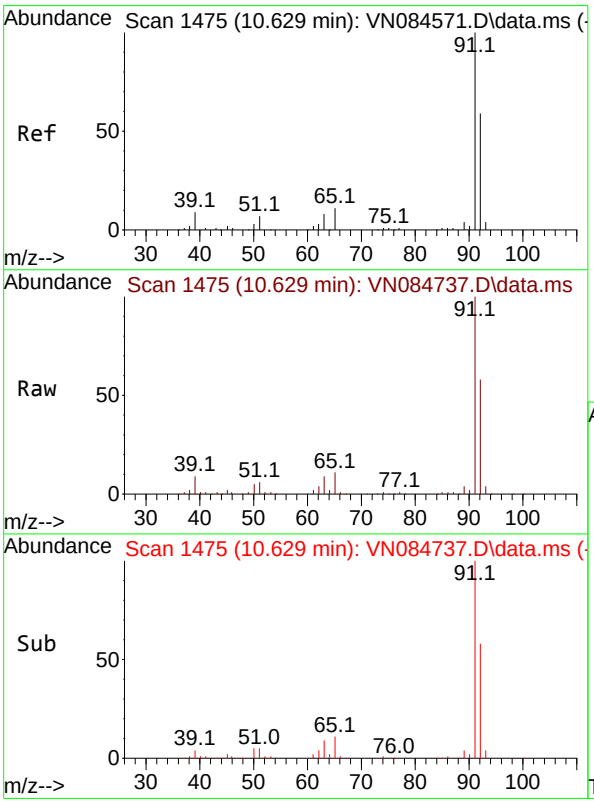
#51
4-Methyl-2-Pentanone
Concen: 272.681 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 660493

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4

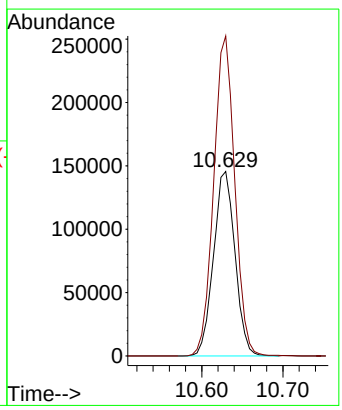


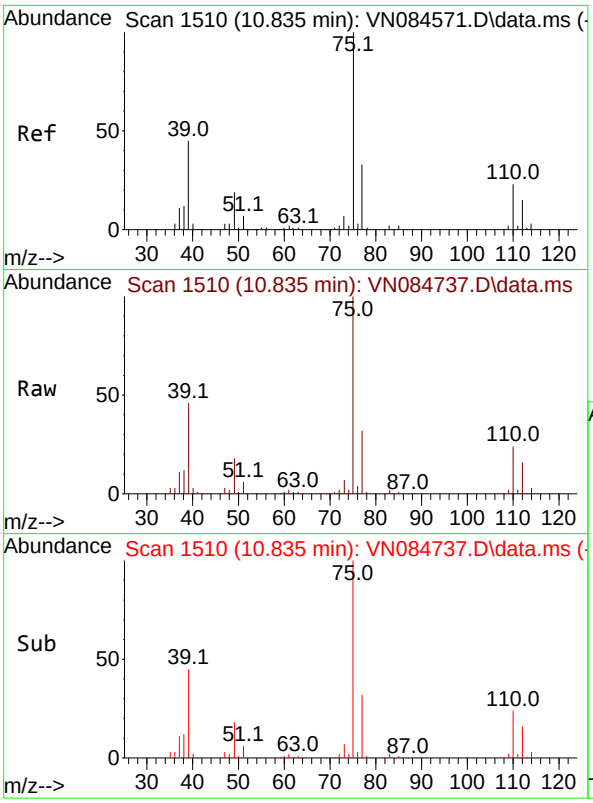


#52
Toluene
Concen: 50.893 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 92 Resp: 267694

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.3	205.9



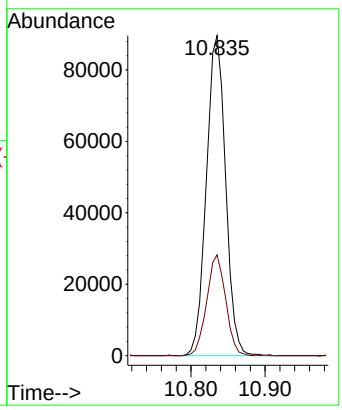


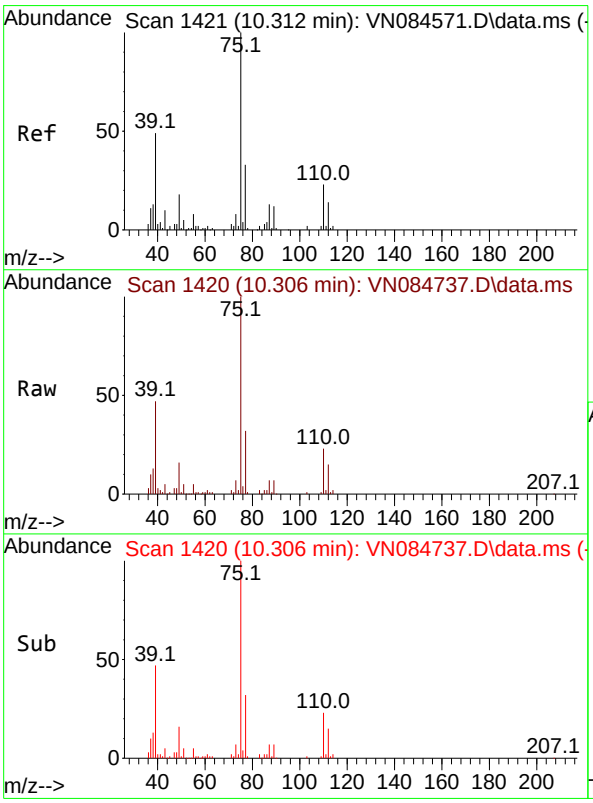
#53
t-1,3-Dichloropropene
Concen: 49.744 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 161582

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

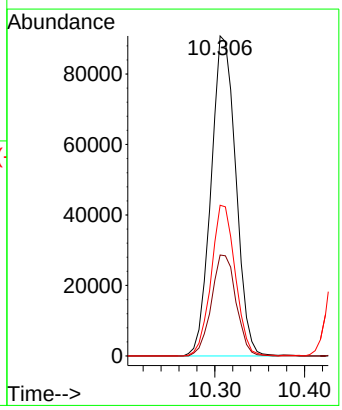


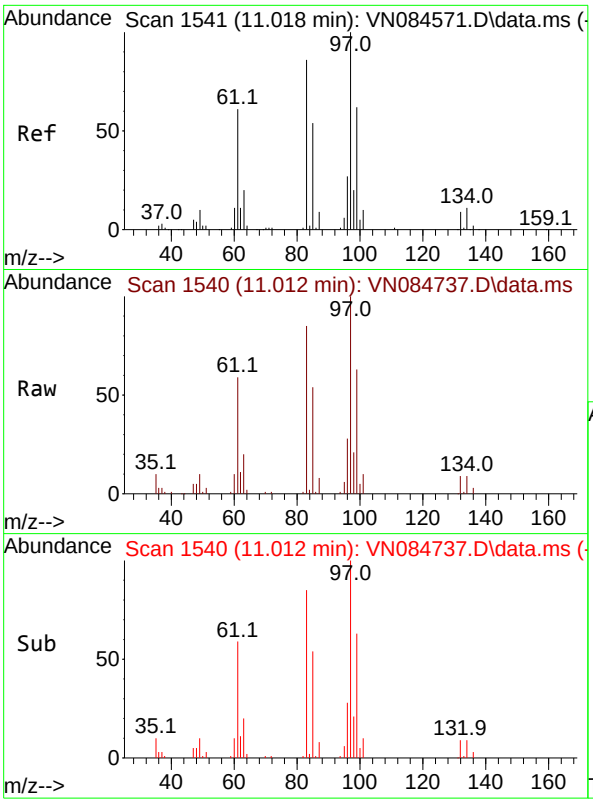


#54
cis-1,3-Dichloropropene
Concen: 50.535 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 173736

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.2	36.2
39	47.1	38.7	58.1



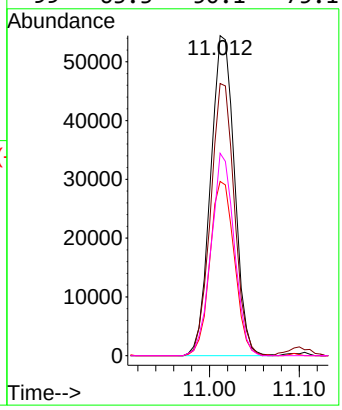


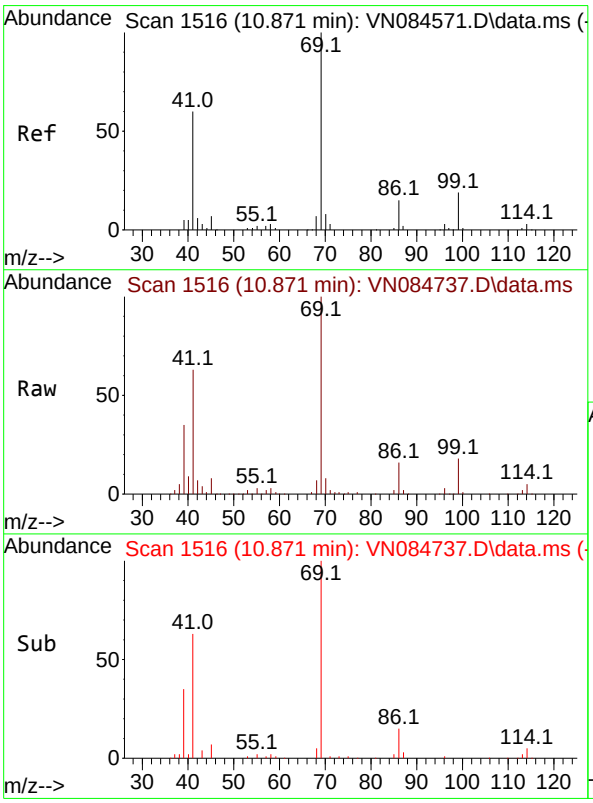
#55
1,1,2-Trichloroethane
Concen: 50.961 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 100973

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	54.4	41.7	62.5
99	63.3	50.1	75.1

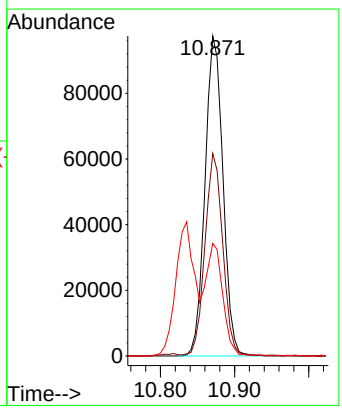


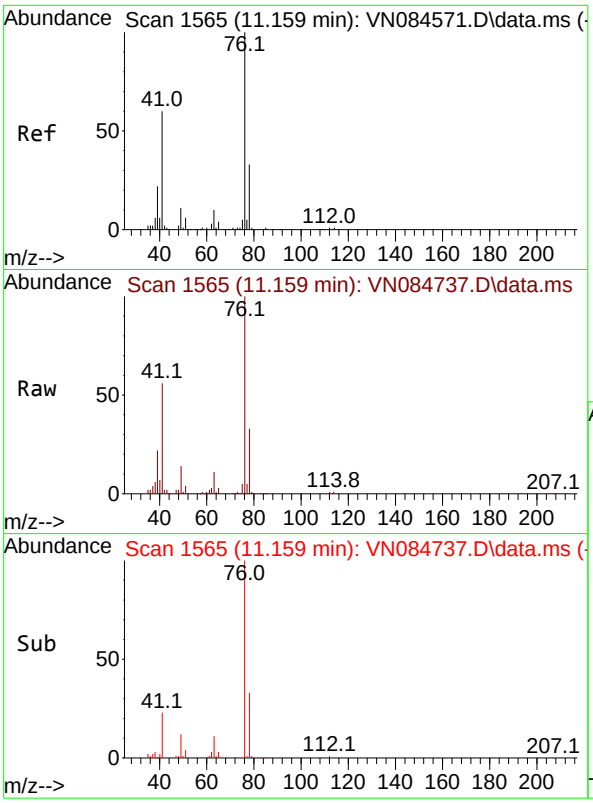


#56
Ethyl methacrylate
Concen: 57.102 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 69 Resp: 163651

Ion	Ratio	Lower	Upper
69	100		
41	62.3	53.3	79.9
39	33.8	28.8	43.2



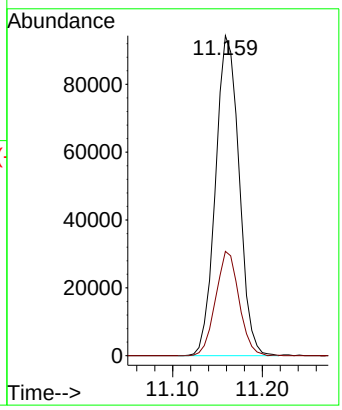


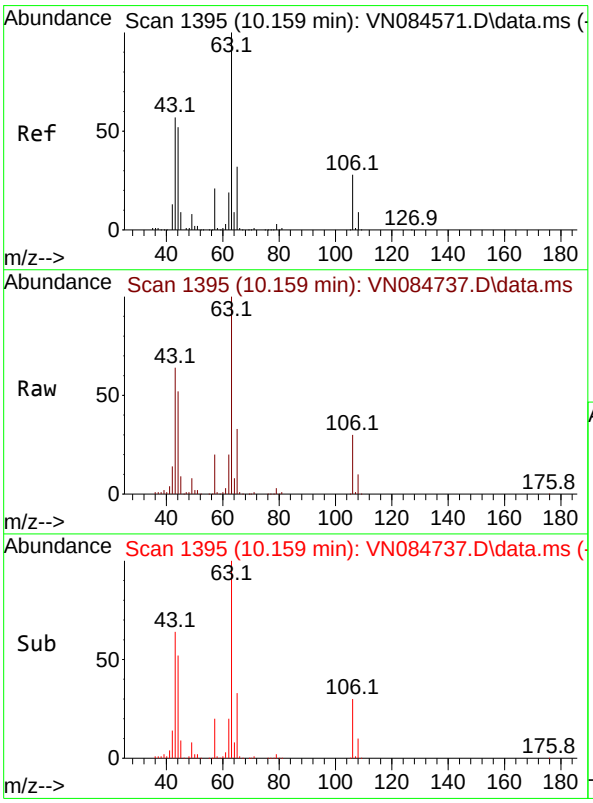
#57
1,3-Dichloropropane
Concen: 50.662 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 172274

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

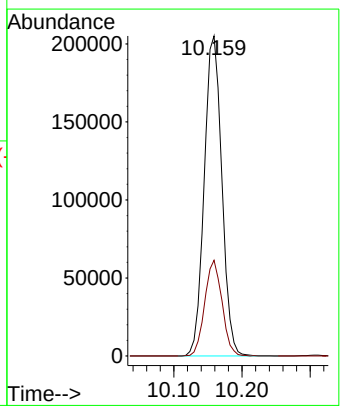


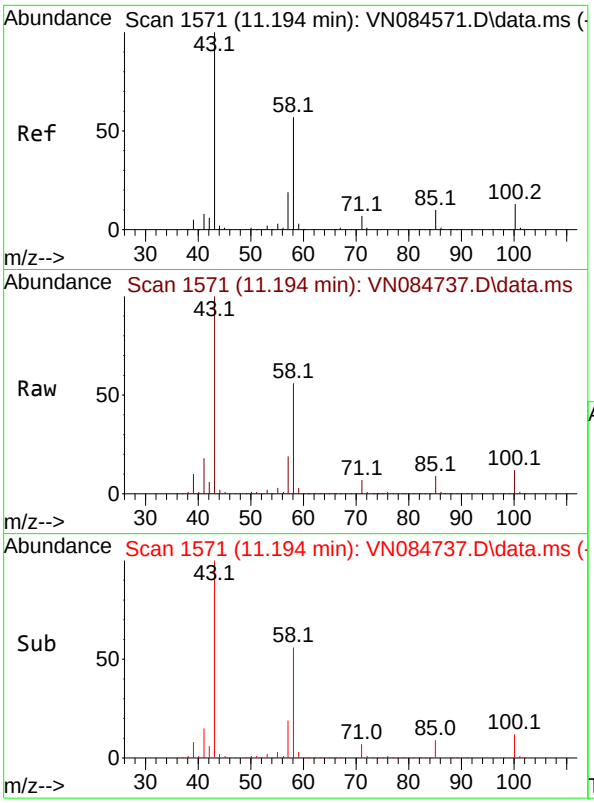


#58
2-Chloroethyl Vinyl ether
Concen: 274.890 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 63 Resp: 368650

Ion	Ratio	Lower	Upper
63	100		
106	29.4	21.8	32.6



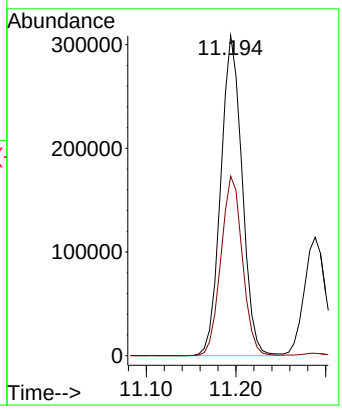


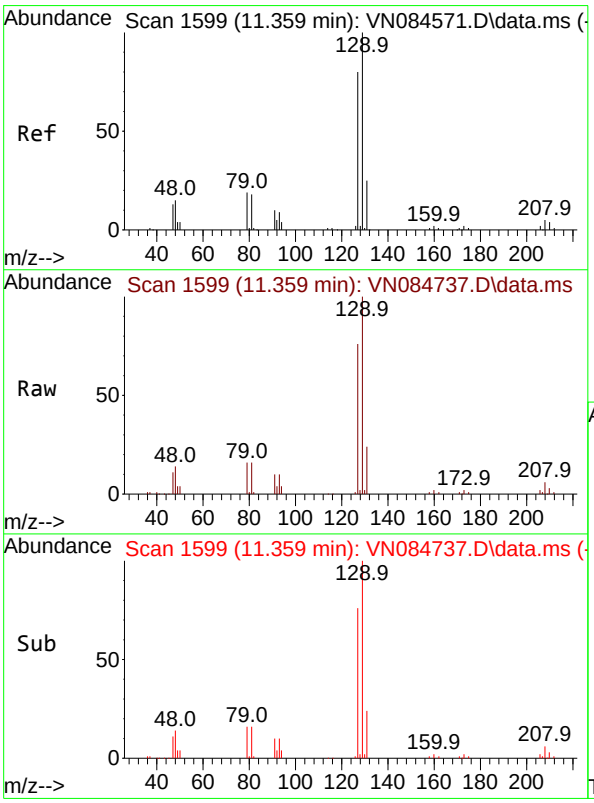
#59
2-Hexanone
Concen: 289.044 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 509612

Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8

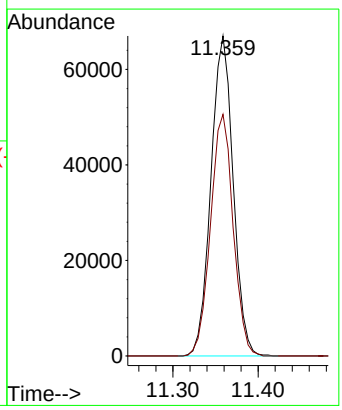


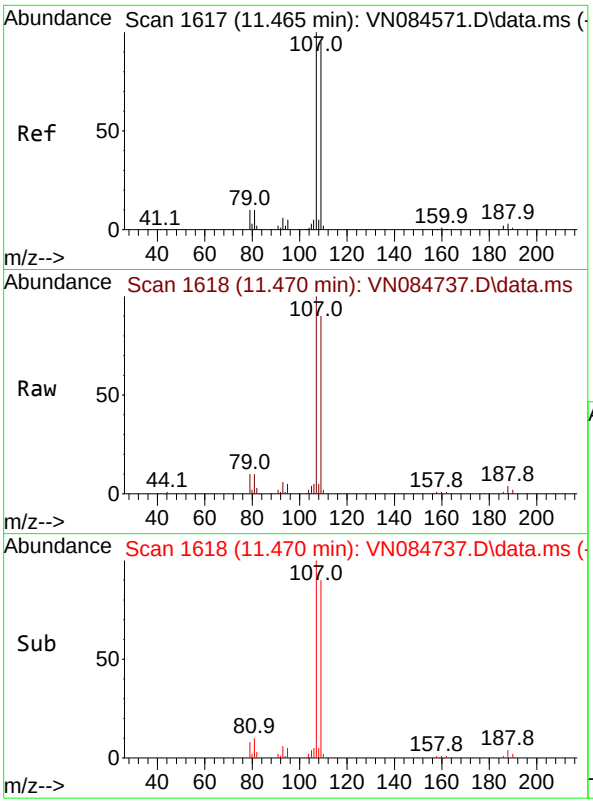


#60
Dibromochloromethane
Concen: 53.707 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:129 Resp: 121279

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.3	114.9



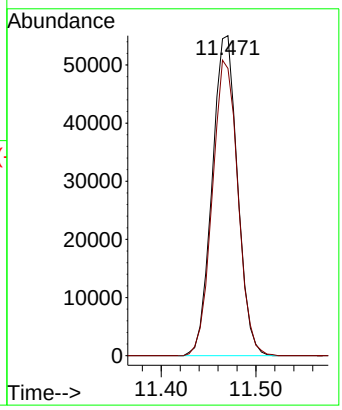


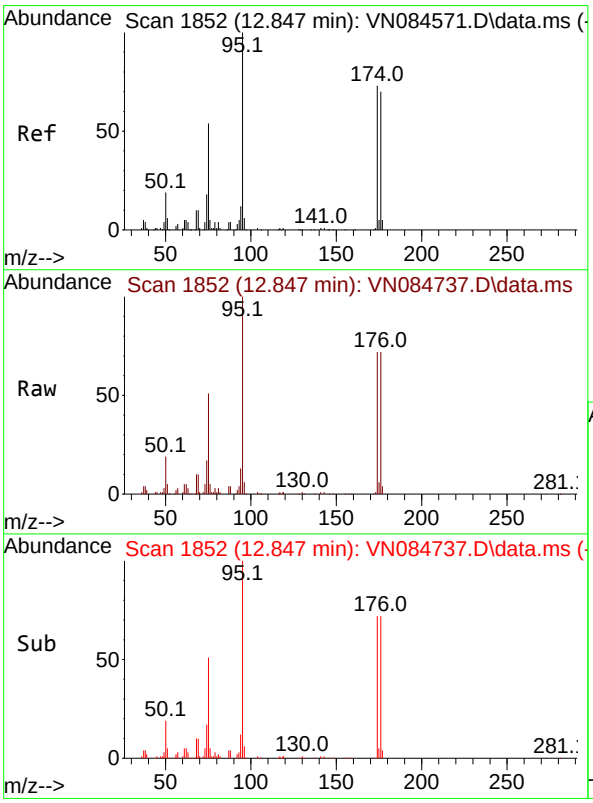
#61
1,2-Dibromoethane
Concen: 50.512 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 102488

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.4	113.0

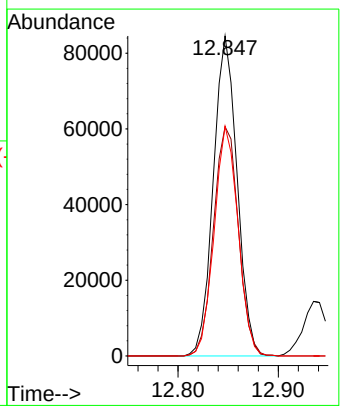


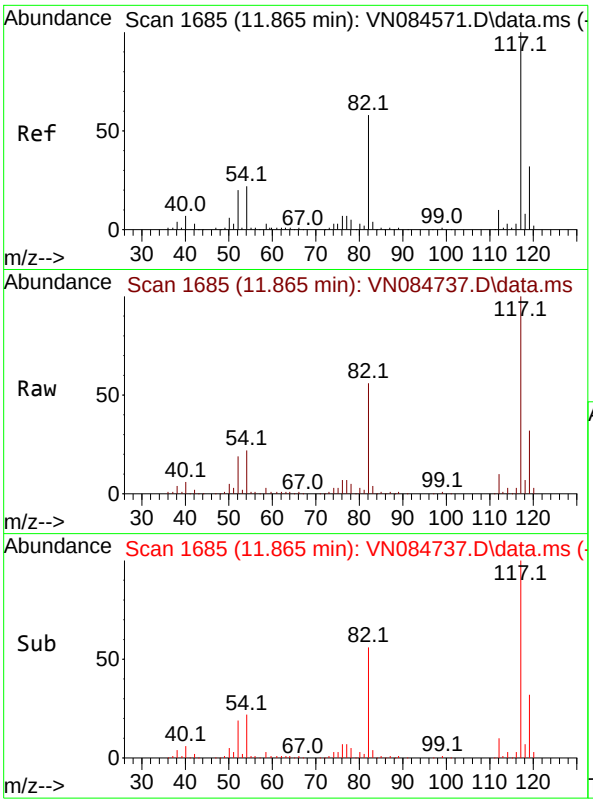


#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 95 Resp: 138983

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.2
176	72.2	0.0	140.0



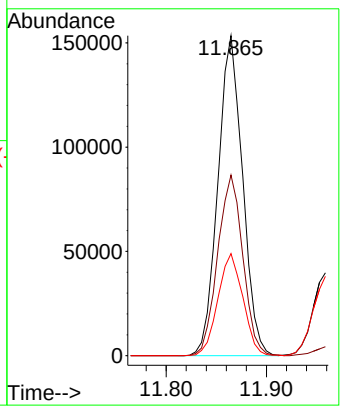


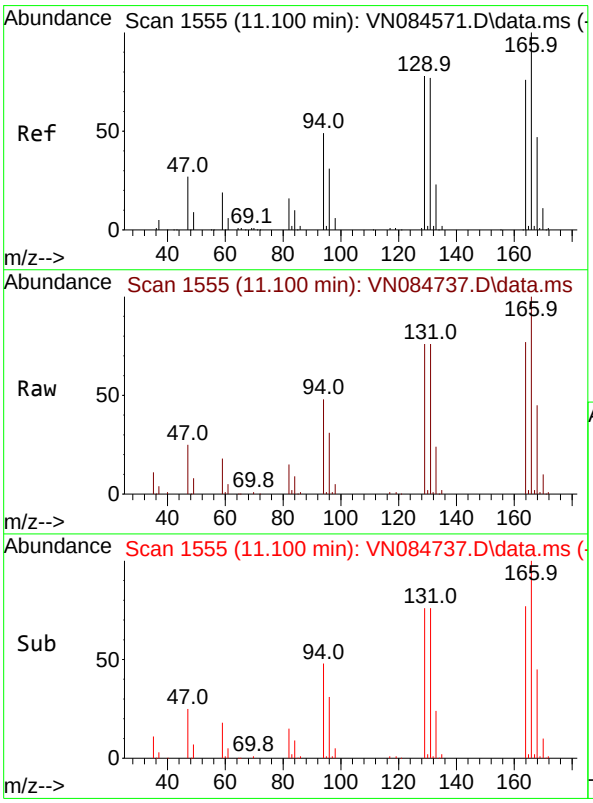
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 261810

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	31.9	25.4	38.0

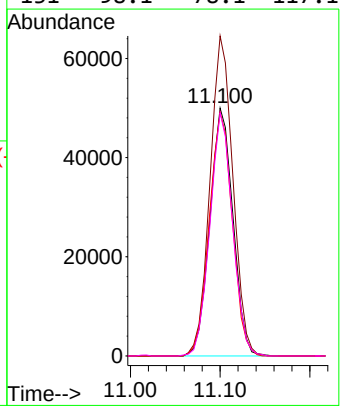


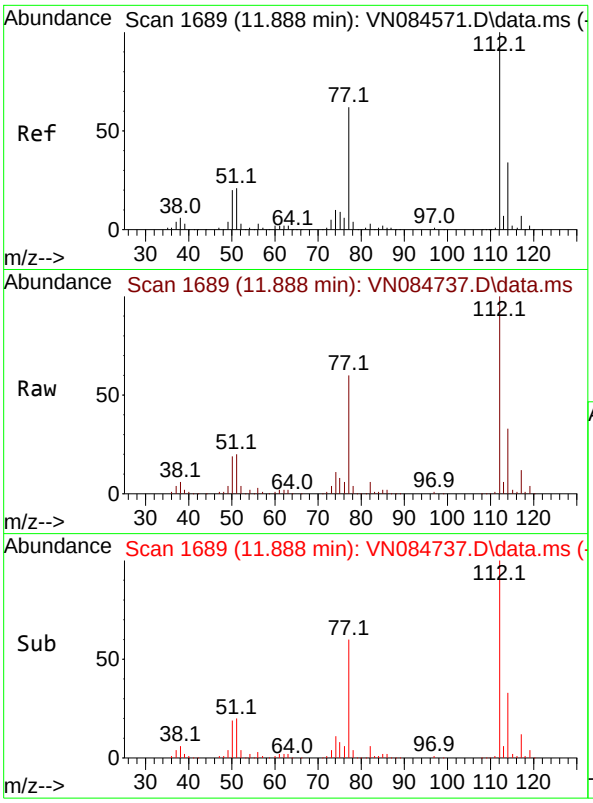


#64
Tetrachloroethene
Concen: 51.302 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:164 Resp: 89341

Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.0	151.4
129	98.4	80.8	121.2
131	98.1	78.1	117.1



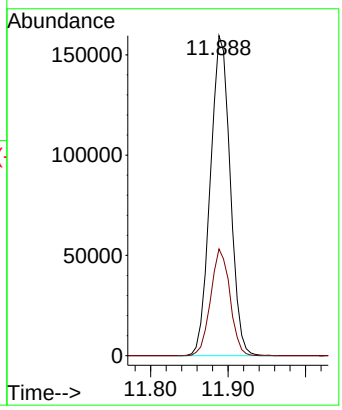


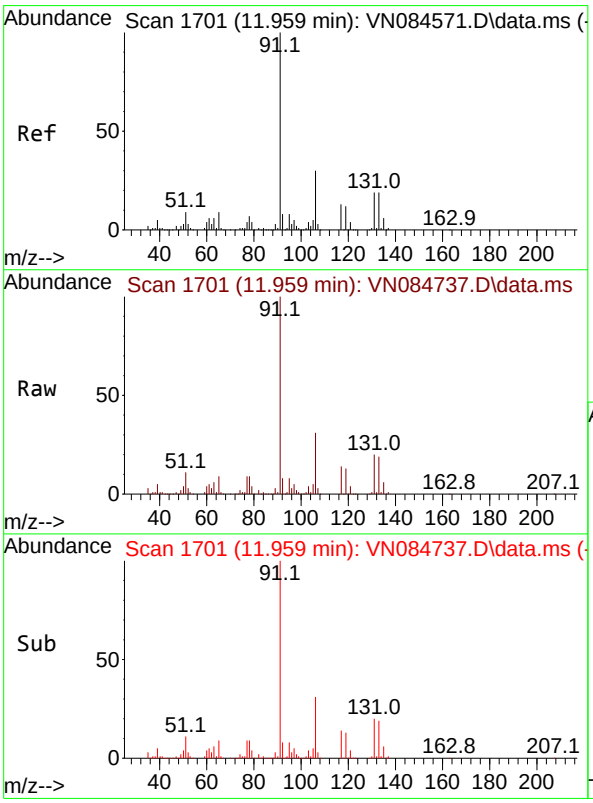
#65
Chlorobenzene
Concen: 48.471 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 283901

Ion	Ratio	Lower	Upper
112	100		
114	33.4	27.0	40.6

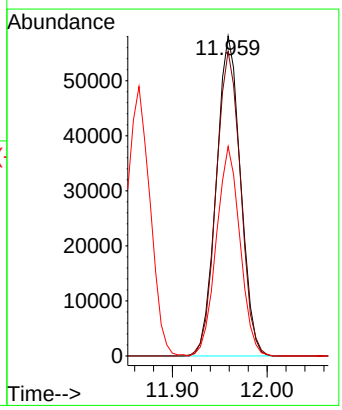


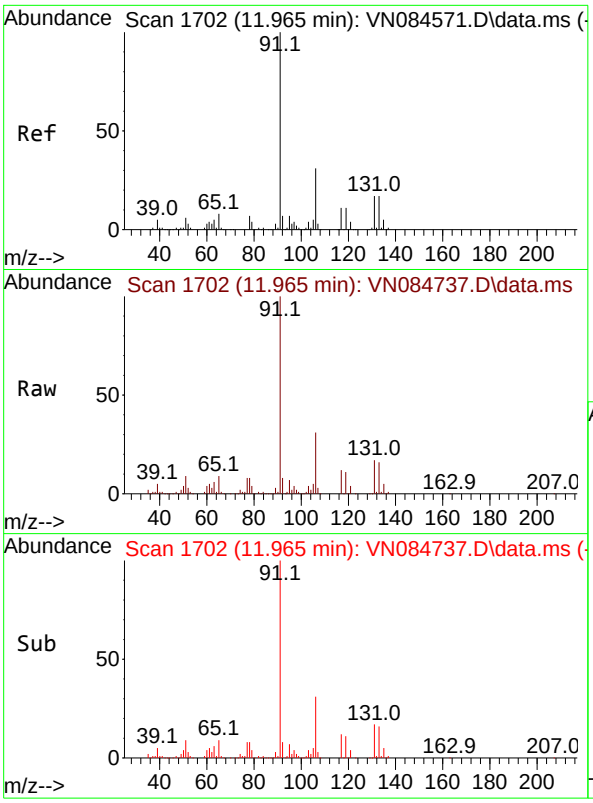


#66
1,1,1,2-Tetrachloroethane
Concen: 50.745 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:131 Resp: 103384

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.7
119	64.1	32.8	98.3



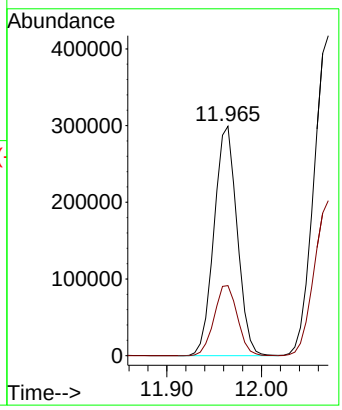


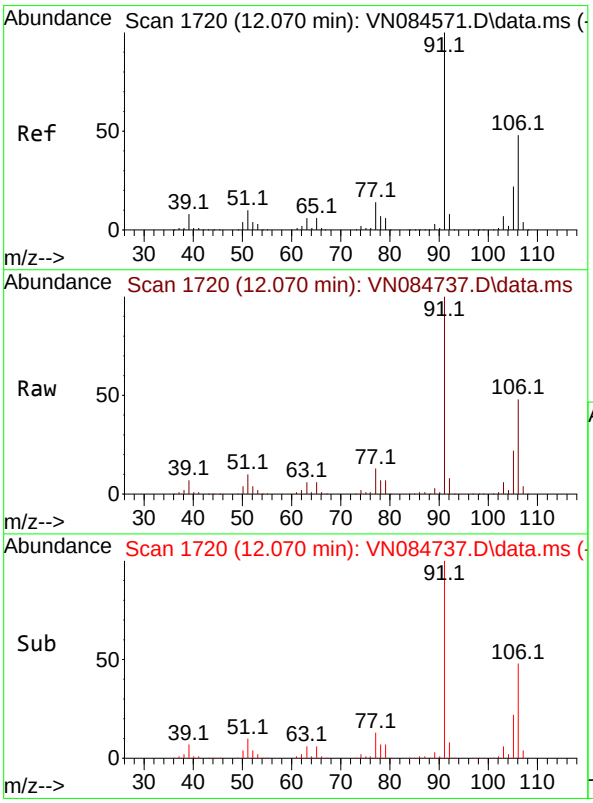
#67
Ethyl Benzene
Concen: 51.895 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 507373

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

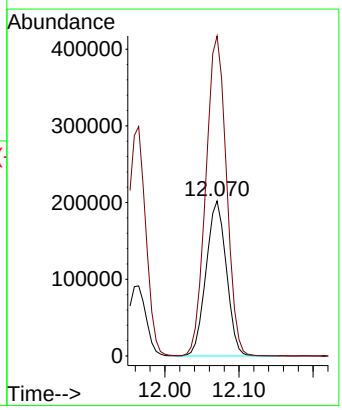


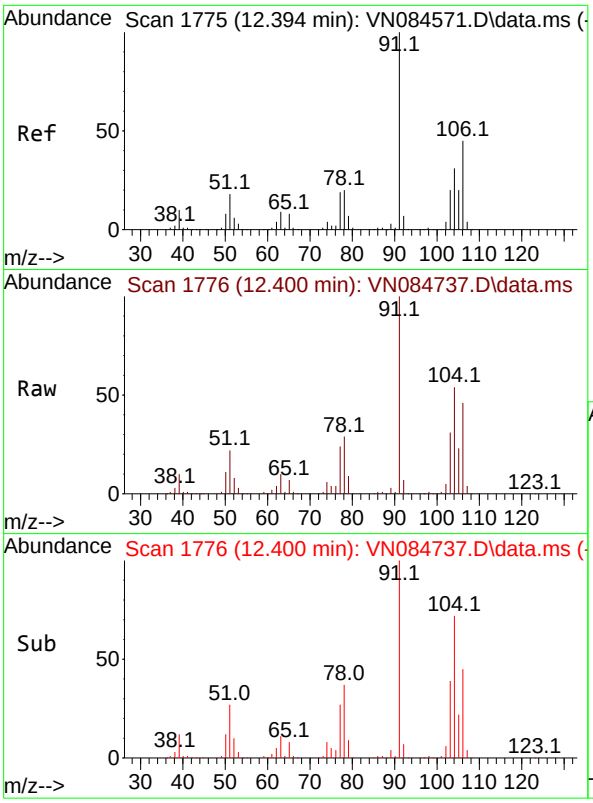


#68
m/p-Xylenes
Concen: 103.688 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:106 Resp: 383793

Ion	Ratio	Lower	Upper
106	100		
91	210.1	167.1	250.7



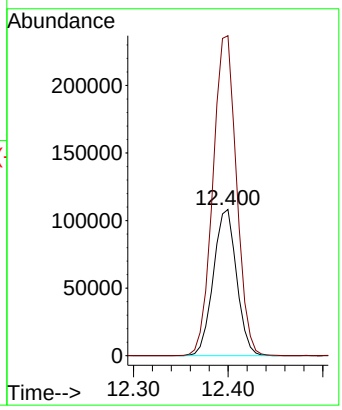


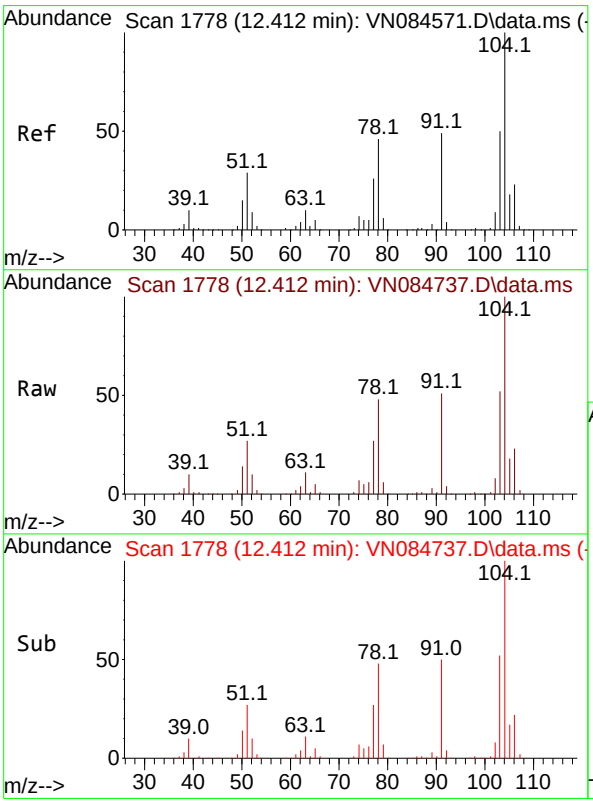
#69
o-Xylene
Concen: 53.315 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 184608

Ion	Ratio	Lower	Upper
106	100		
91	222.4	110.2	330.6

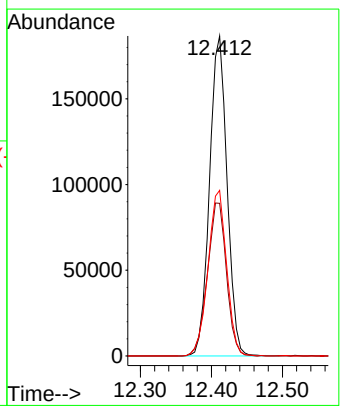


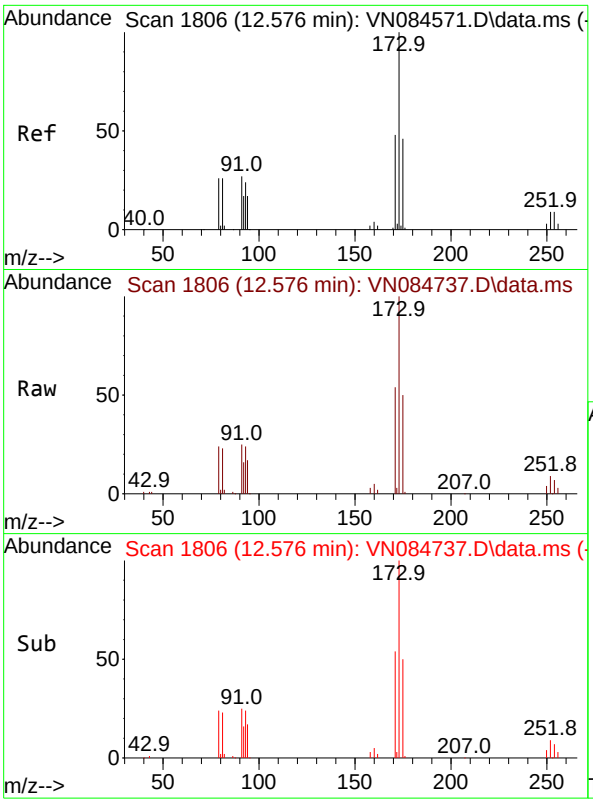


#70
Styrene
Concen: 52.864 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:104 Resp: 319310

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.7	64.1
103	54.9	43.6	65.4



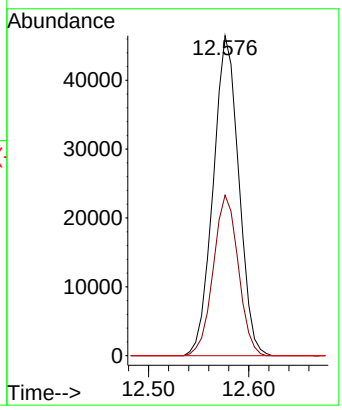


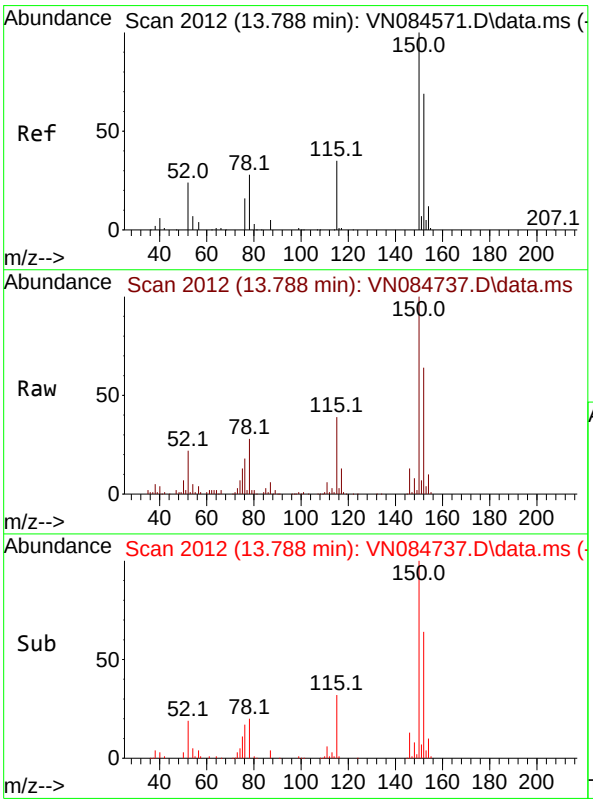
#71
Bromoform
Concen: 53.640 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 82231

Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.0	0.0

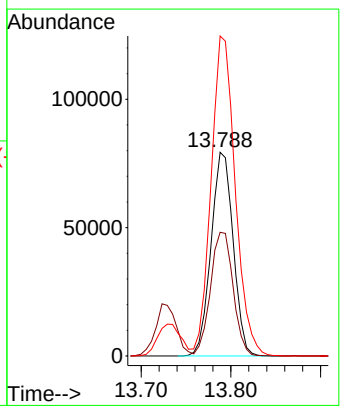


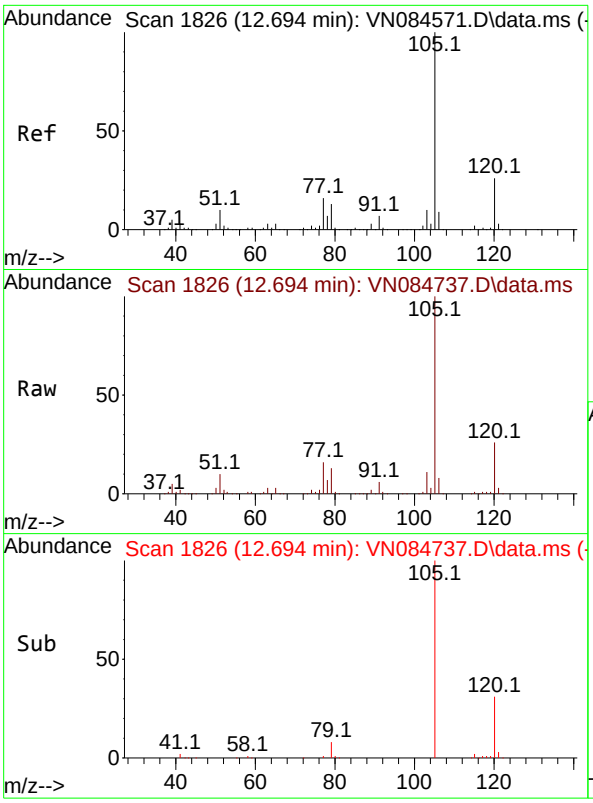


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:152 Resp: 135765

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	171.7	0.0	349.8



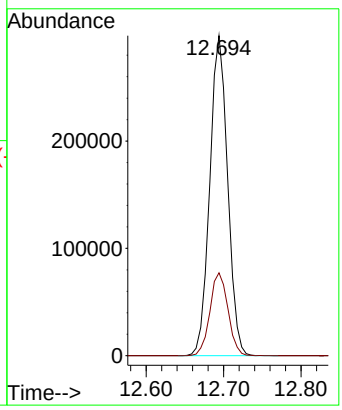


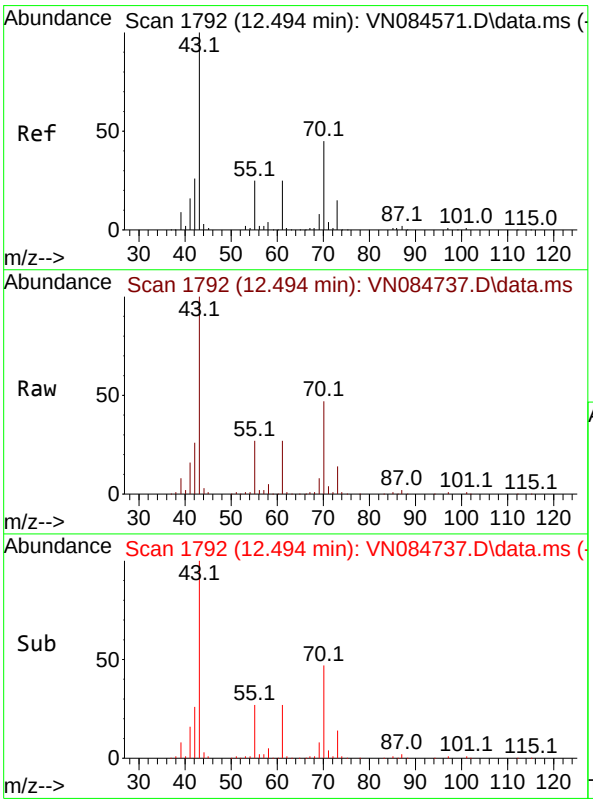
#73
Isopropylbenzene
Concen: 50.098 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 476637

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

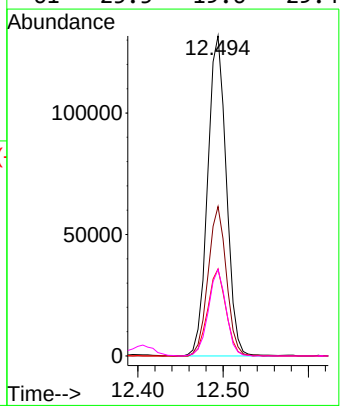


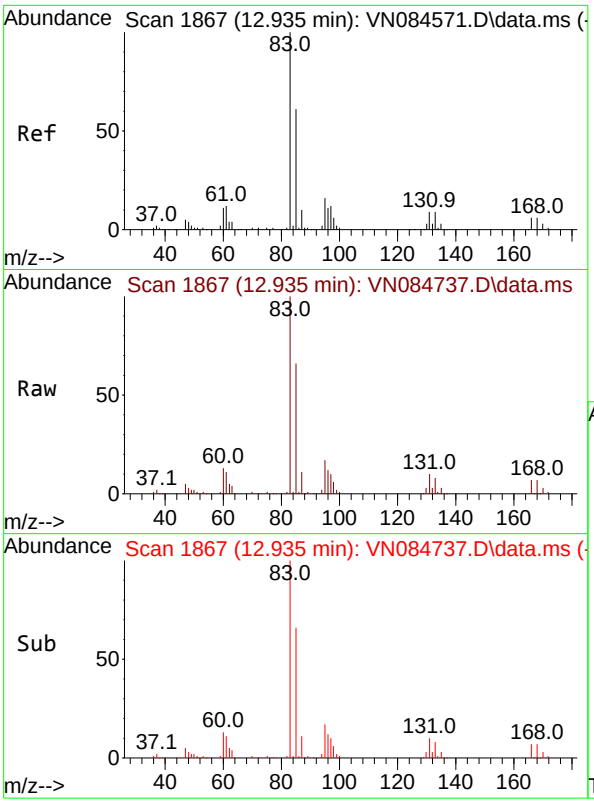


#74
N-amyl acetate
Concen: 49.546 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 43 Resp: 200629

Ion	Ratio	Lower	Upper
43	100		
70	45.7	34.4	51.6
55	26.6	19.6	29.4
61	25.5	19.6	29.4



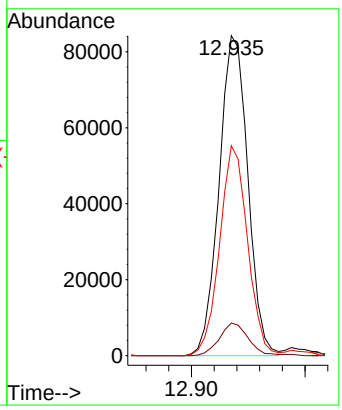


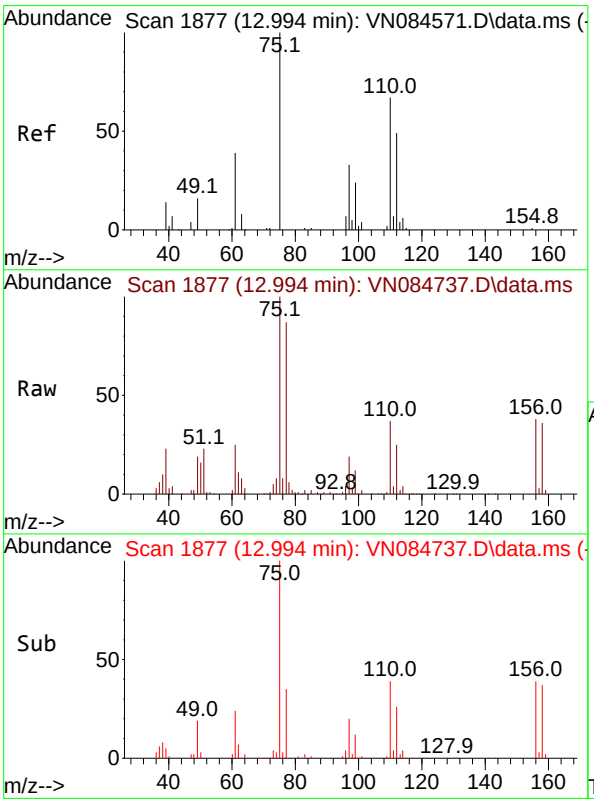
#75
1,1,2,2-Tetrachloroethane
Concen: 46.674 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148221

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.7
85	63.7	31.9	95.7

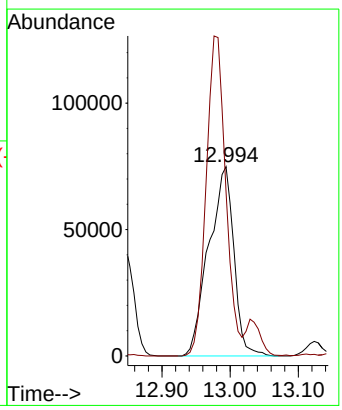


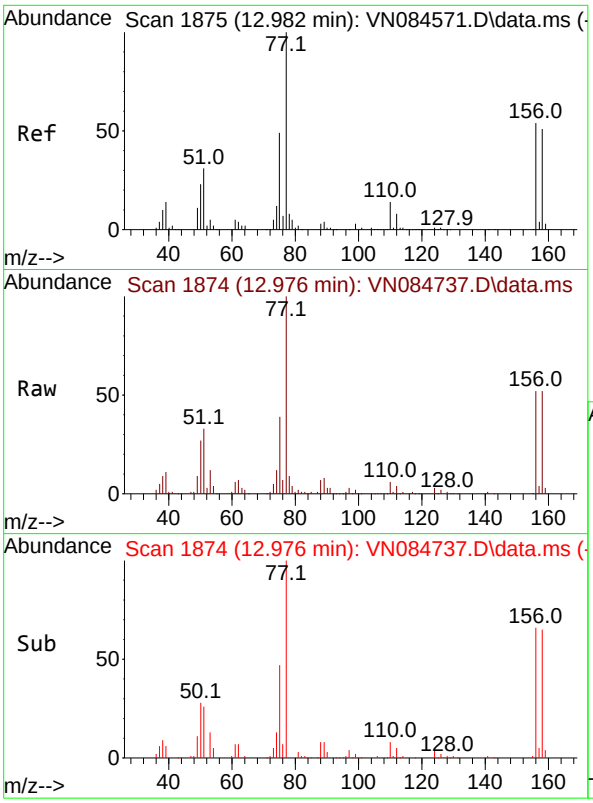


#76
1,2,3-Trichloropropane
Concen: 70.796 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 192131

Ion	Ratio	Lower	Upper
75	100		
77	132.1	96.9	290.7



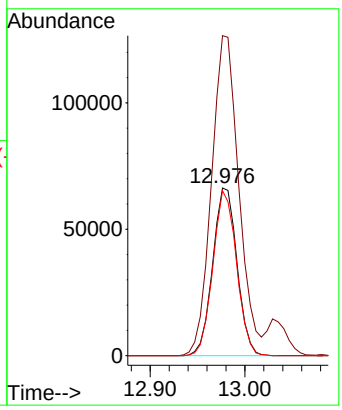


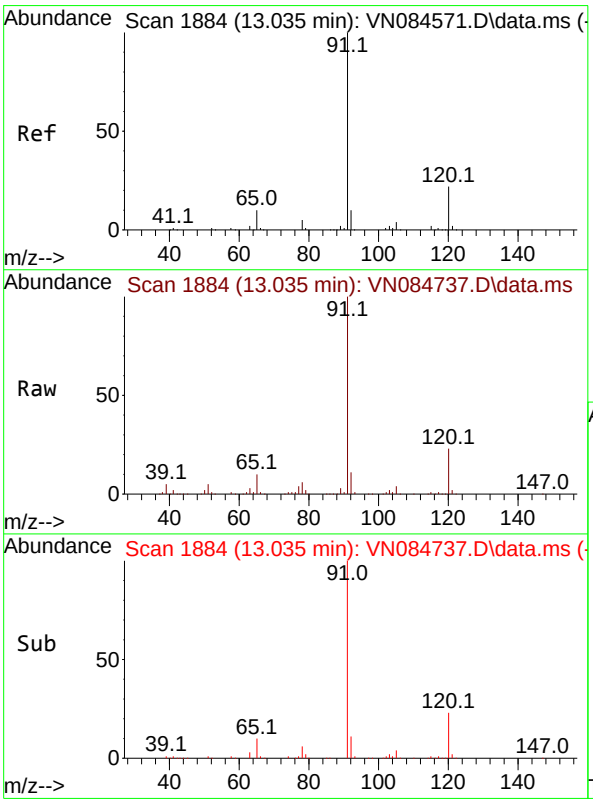
#77
Bromobenzene
Concen: 46.265 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 118331

Ion	Ratio	Lower	Upper
156	100		
77	214.4	115.1	345.3
158	95.6	48.9	146.8

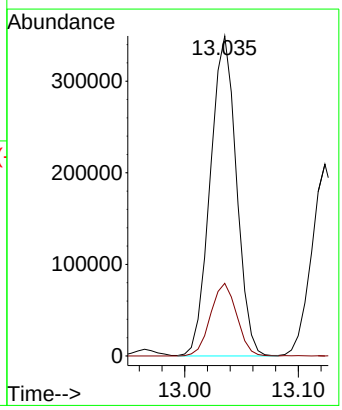


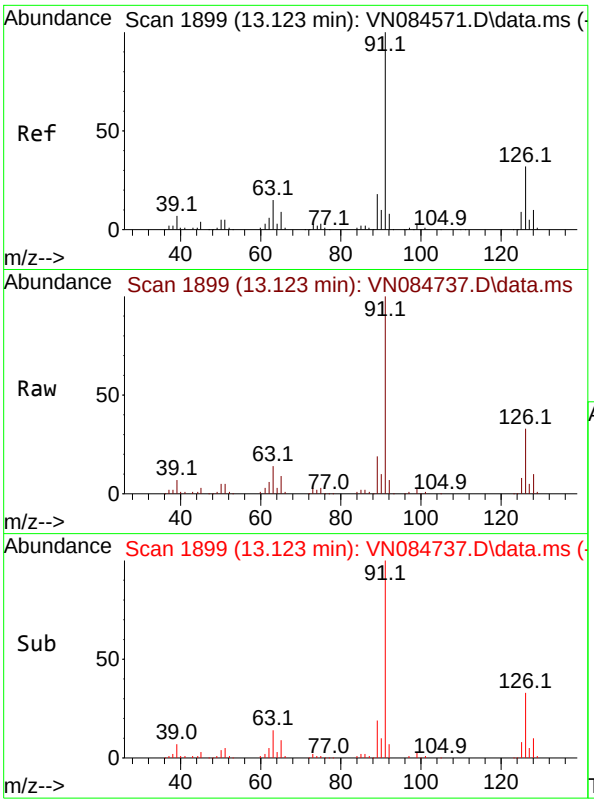


#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 560738

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4



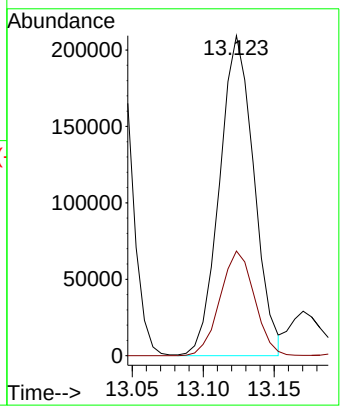


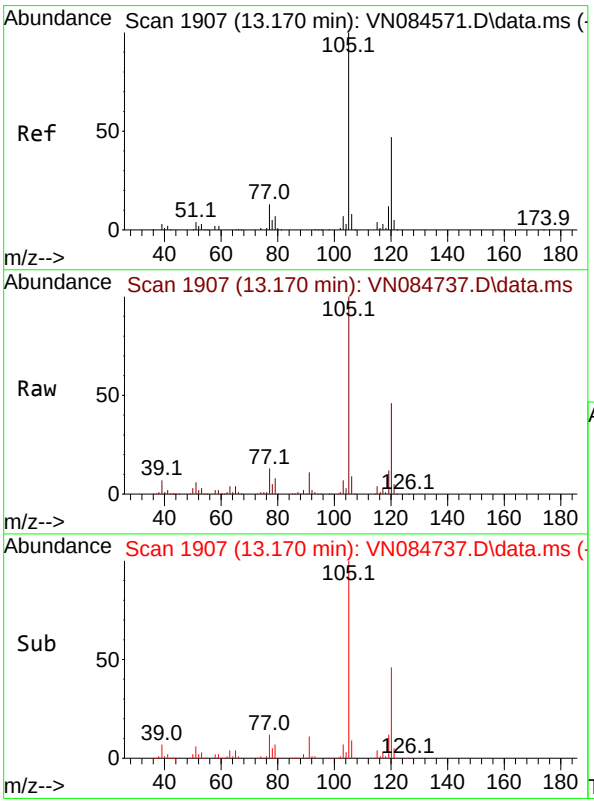
#79
2-Chlorotoluene
Concen: 48.502 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 353328

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

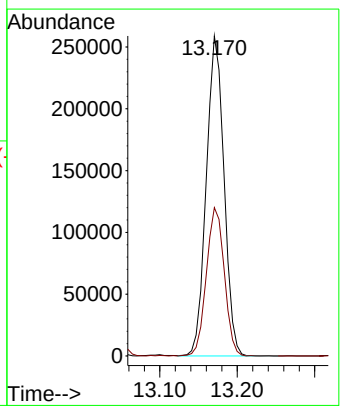


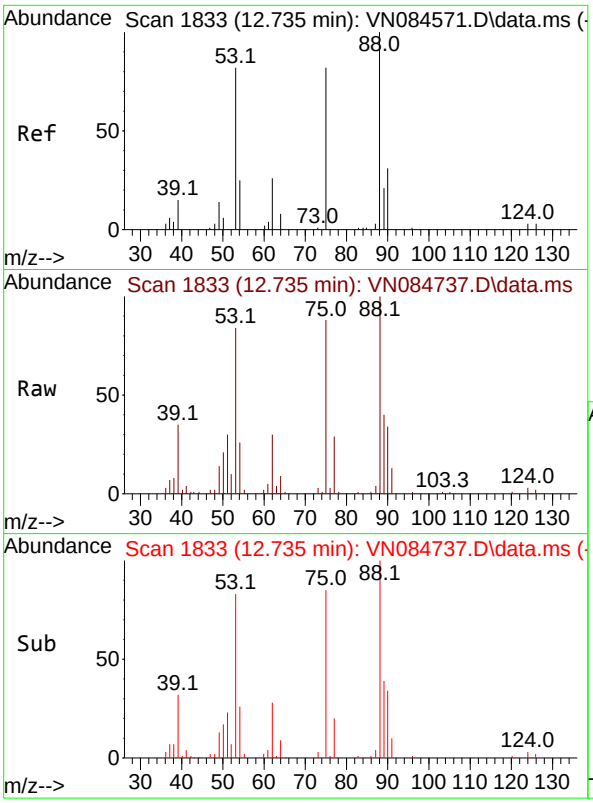


#80
1,3,5-Trimethylbenzene
Concen: 52.302 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 412425

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1



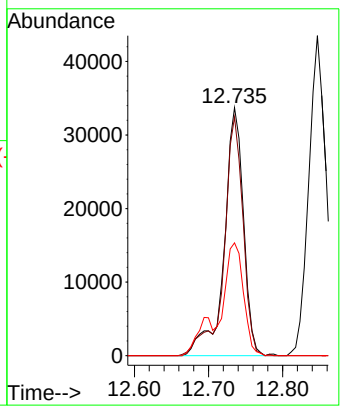


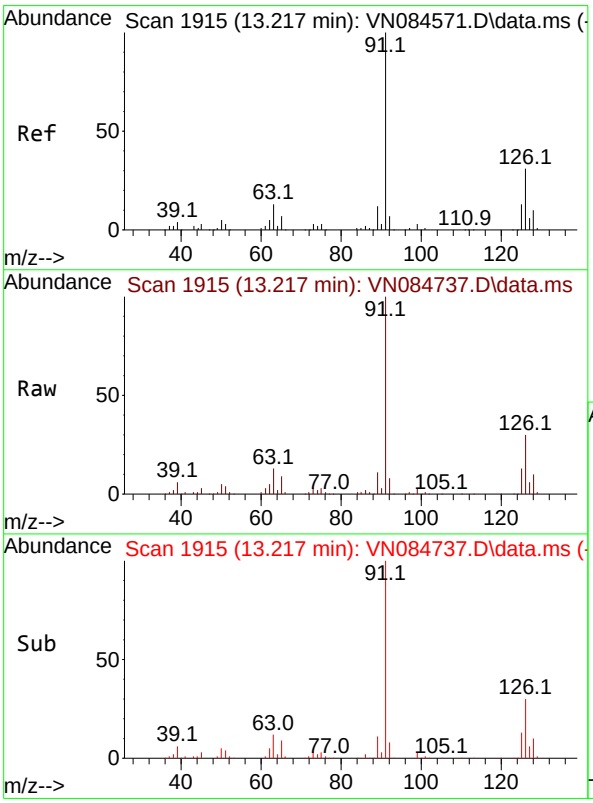
#81
trans-1,4-Dichloro-2-butene
Concen: 53.556 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 61265

Ion	Ratio	Lower	Upper
75	100		
53	94.8	78.0	117.0
89	44.9	35.5	53.3

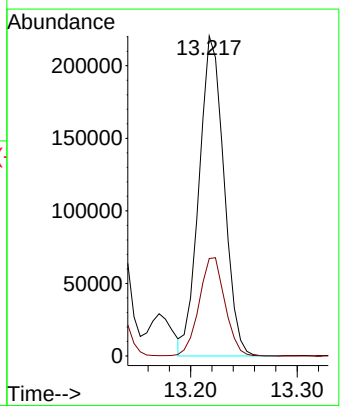


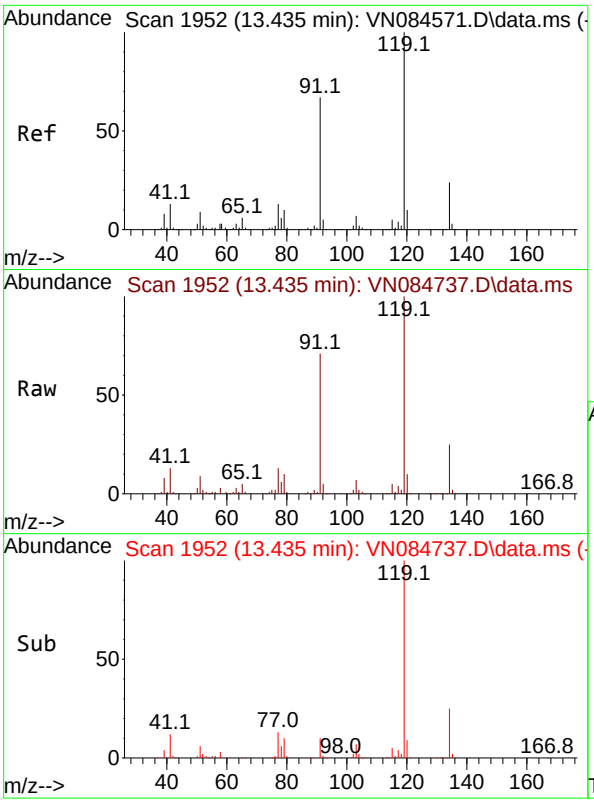


#82
4-Chlorotoluene
Concen: 46.727 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 91 Resp: 358231

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



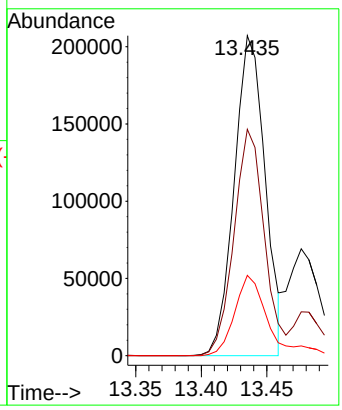


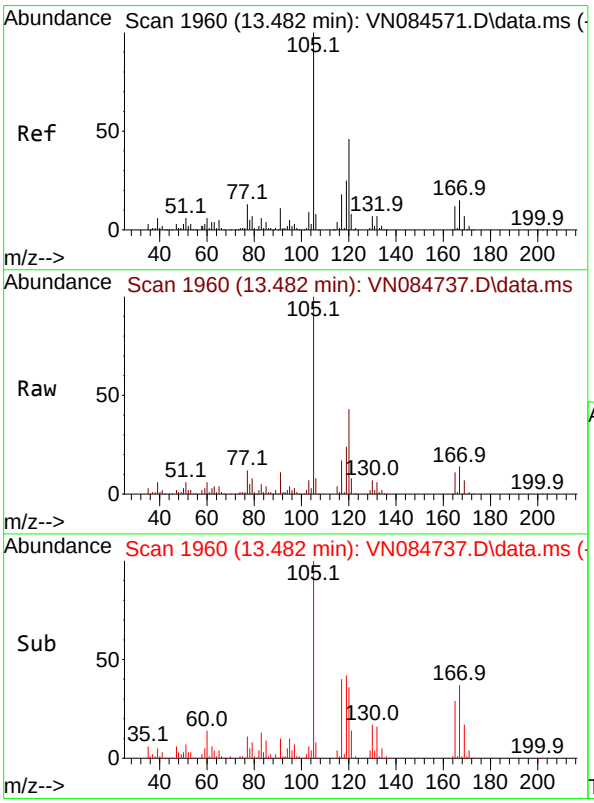
#83
tert-Butylbenzene
Concen: 51.922 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 338852

Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	27.2	12.8	38.4

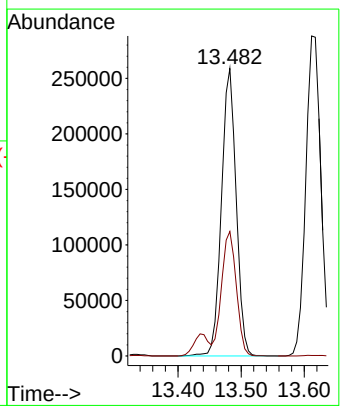


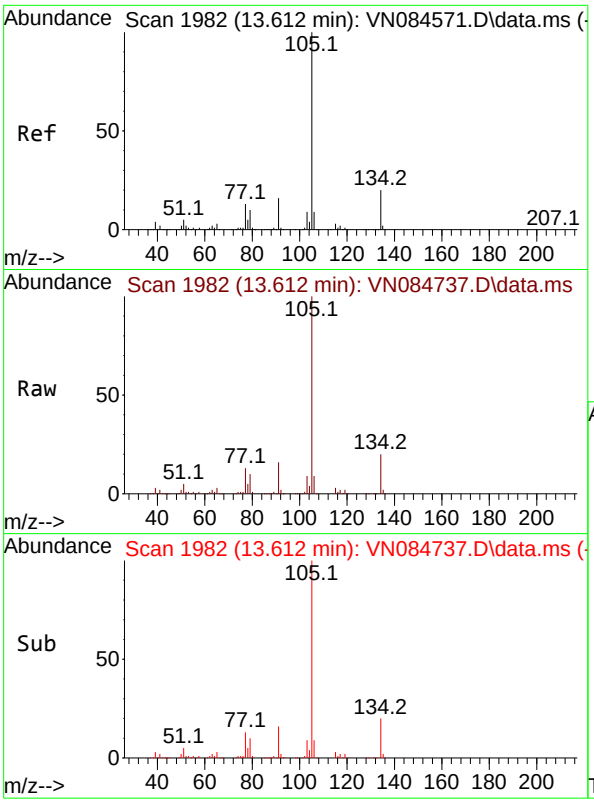


#84
1,2,4-Trimethylbenzene
Concen: 51.510 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:105 Resp: 419220

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.8



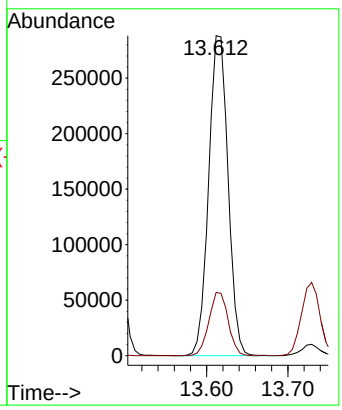


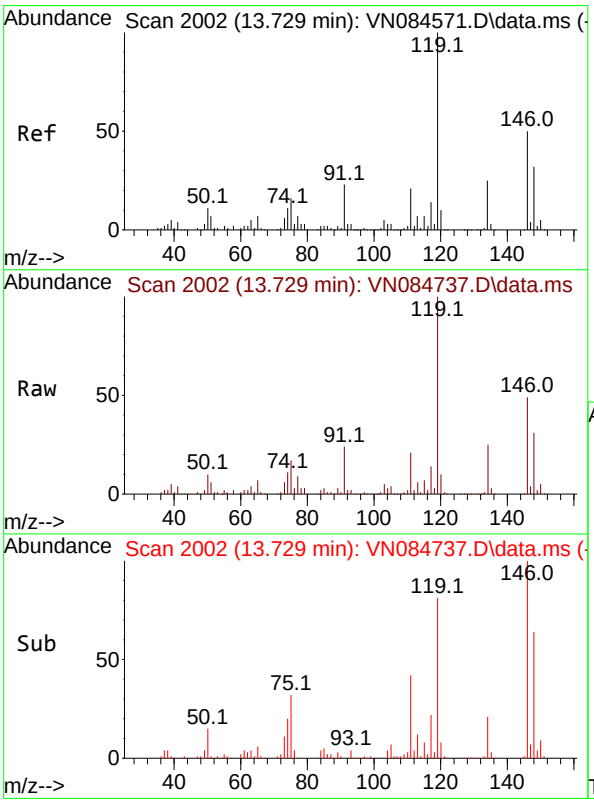
#85
sec-Butylbenzene
Concen: 51.824 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 477749

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

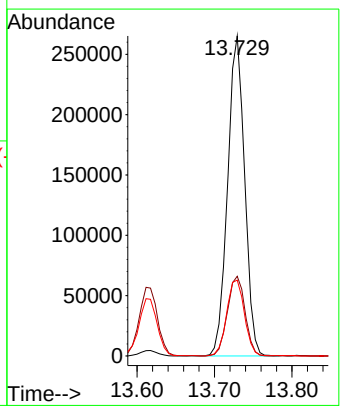


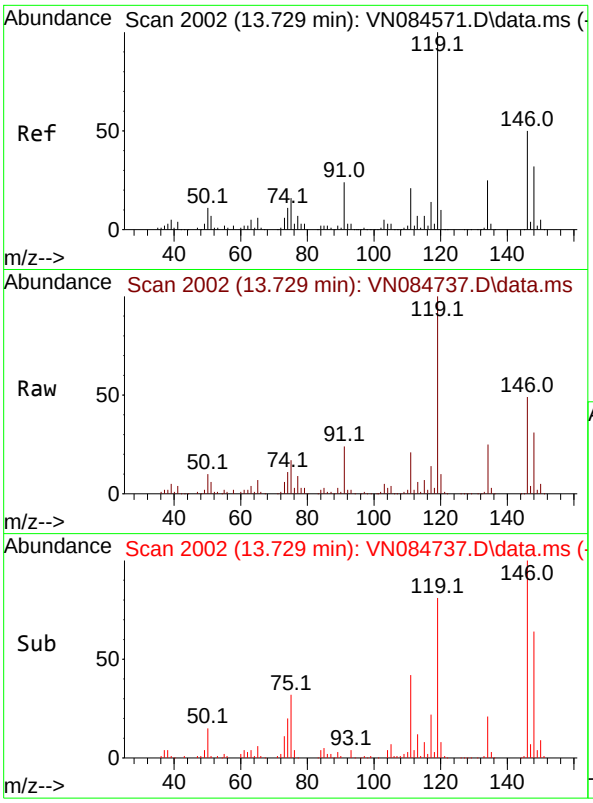


#86
p-Isopropyltoluene
Concen: 53.758 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:119 Resp: 406434

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.4	37.2



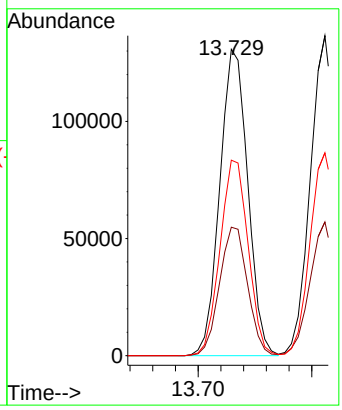


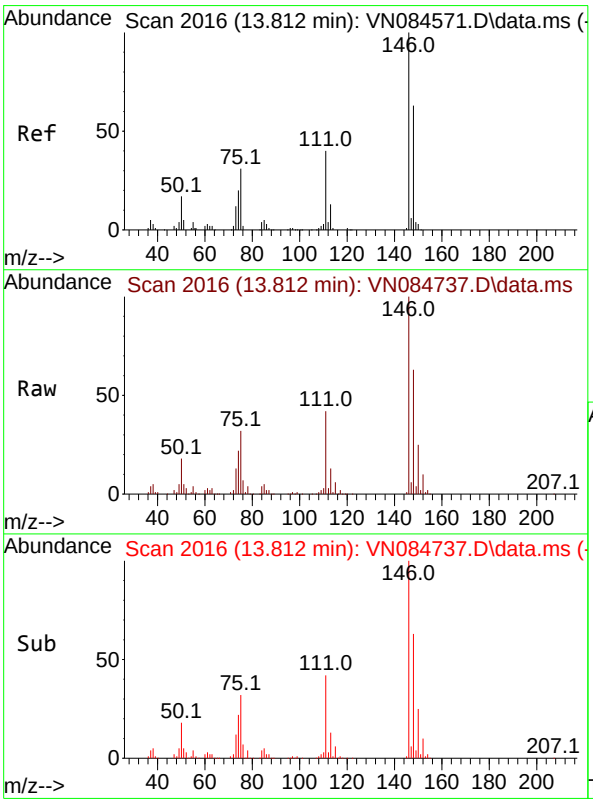
#87
1,3-Dichlorobenzene
Concen: 44.831 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 223773

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.3
148	64.1	31.9	95.7

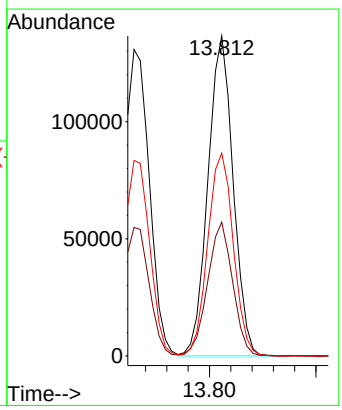


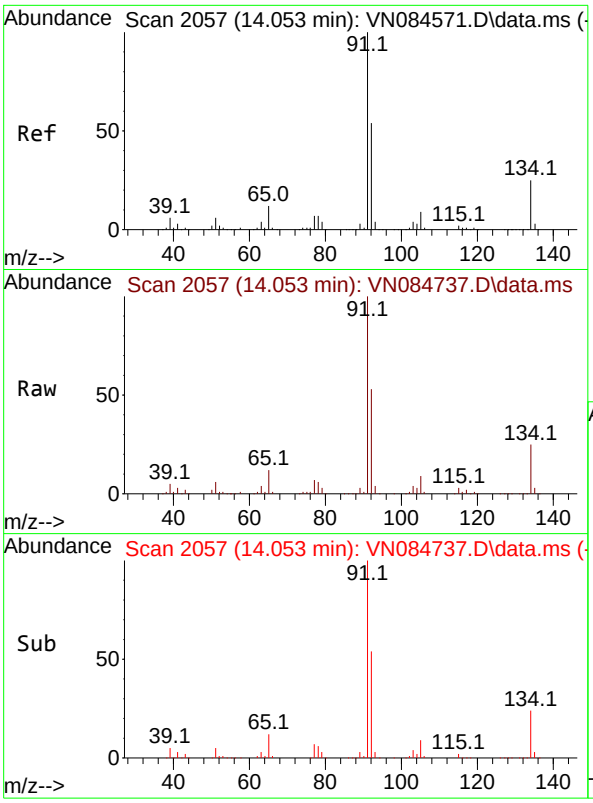


#88
1,4-Dichlorobenzene
Concen: 48.971 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:146 Resp: 224268

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.5	31.9	95.9



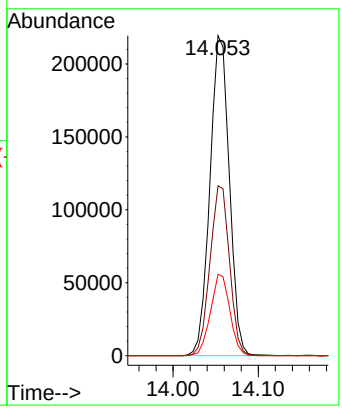


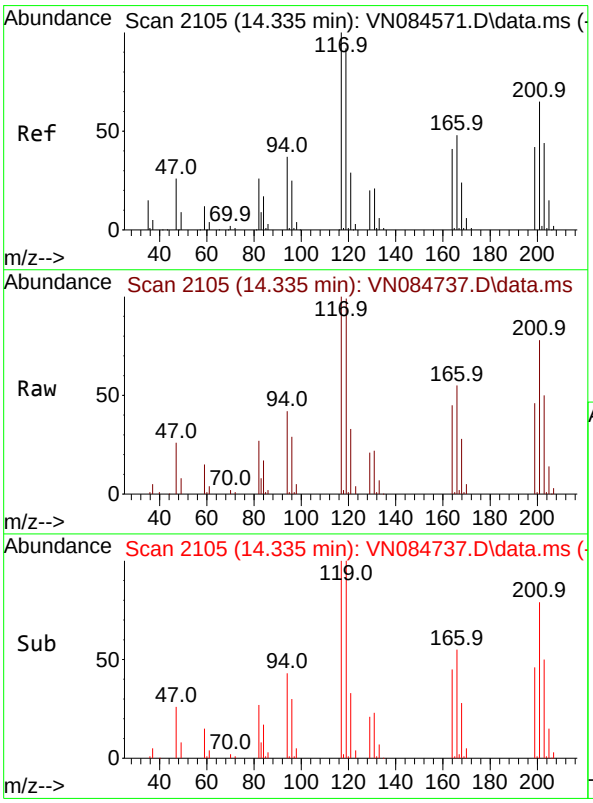
#89
n-Butylbenzene
Concen: 49.100 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 347239

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.3	12.3	36.9

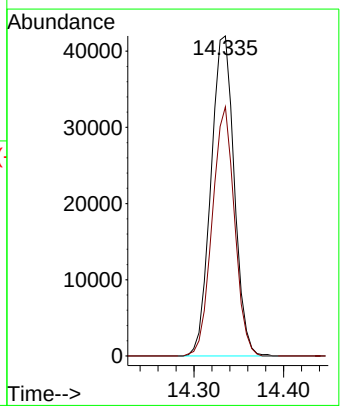


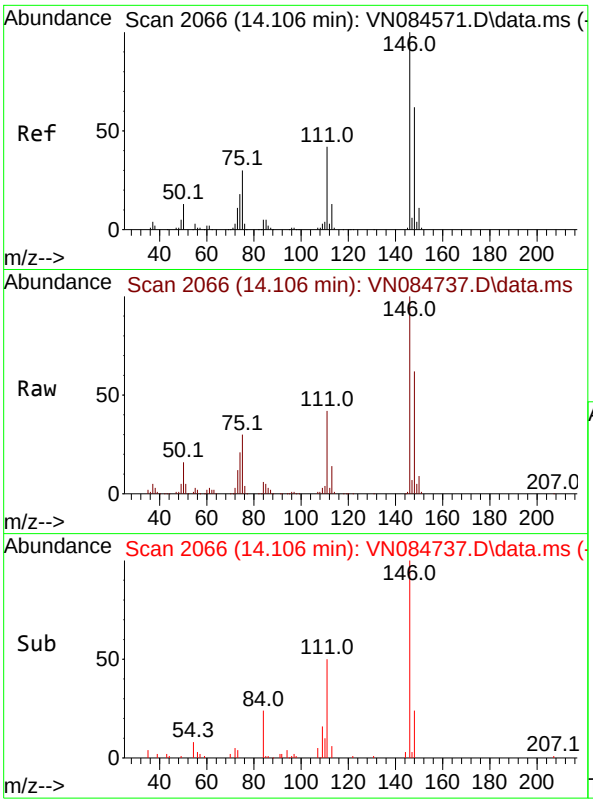


#90
Hexachloroethane
Concen: 44.933 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:117 Resp: 75759

Ion	Ratio	Lower	Upper
117	100		
201	74.4	34.4	103.2



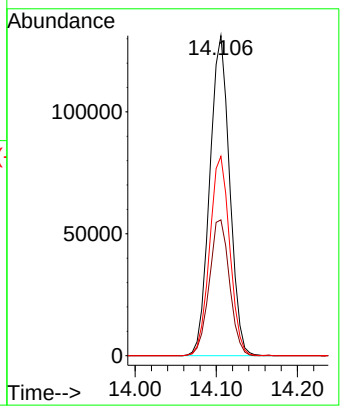


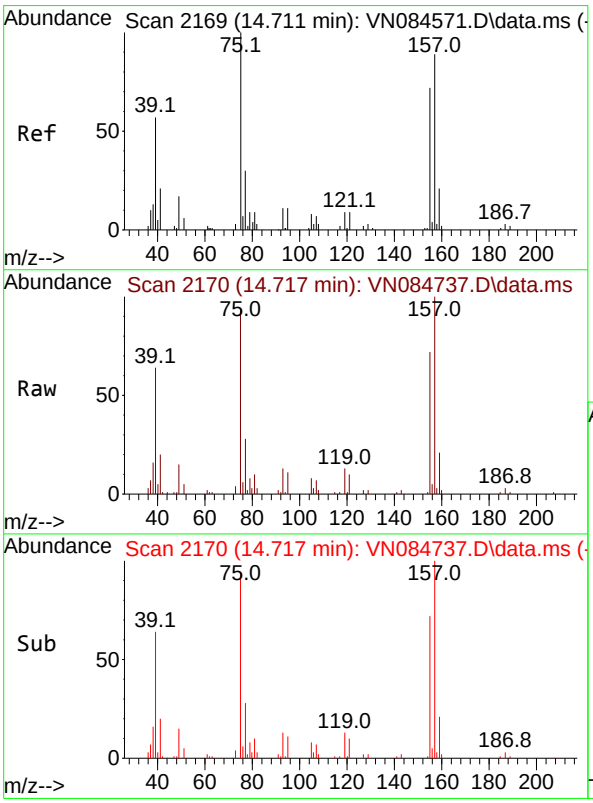
#91
1,2-Dichlorobenzene
Concen: 46.484 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 222960

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.0	66.0
148	63.0	32.1	96.3

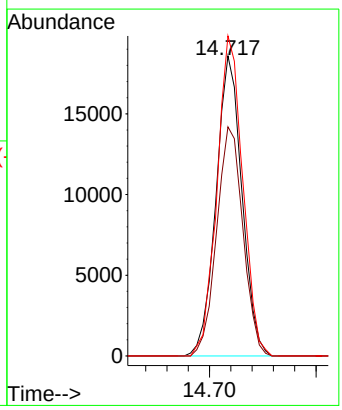


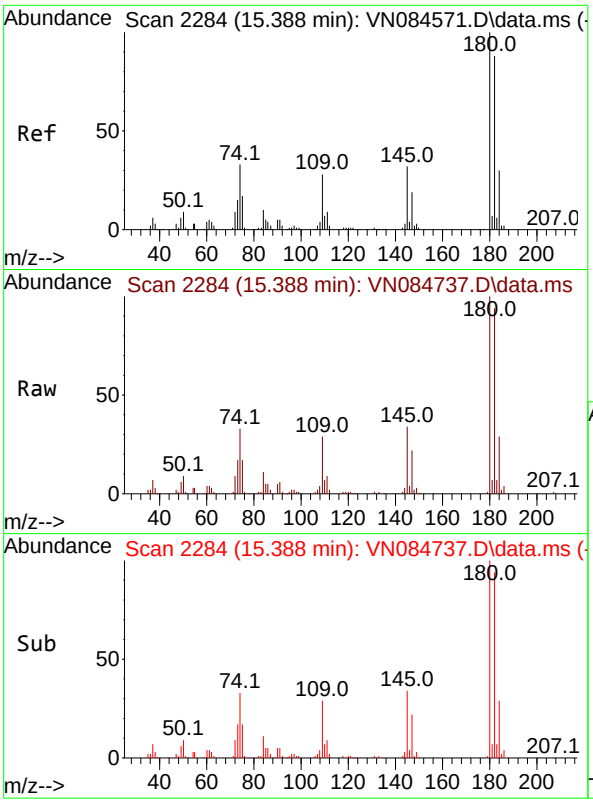


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.712 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion: 75 Resp: 31339

Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.1	114.5
157	105.9	49.6	149.0



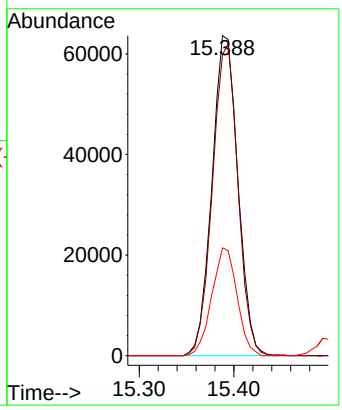


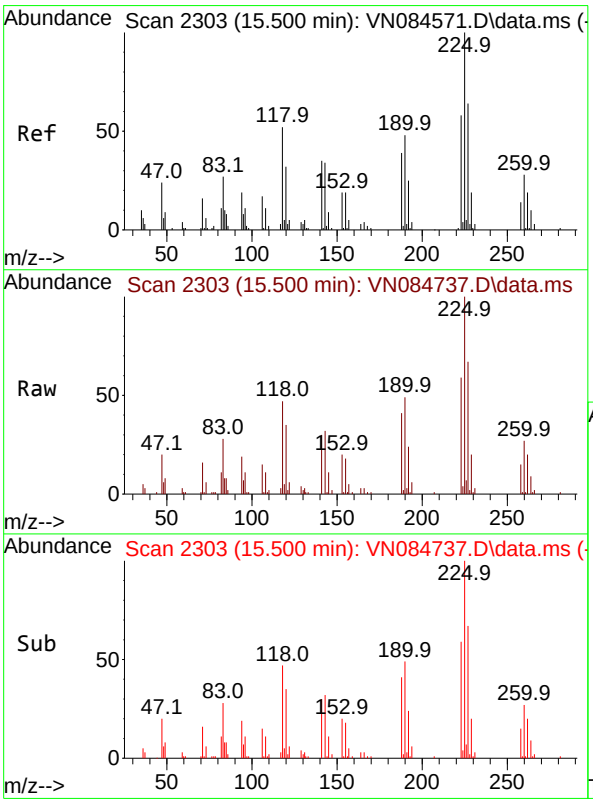
#93
1,2,4-Trichlorobenzene
Concen: 45.957 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 120654

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	32.9	16.4	49.4

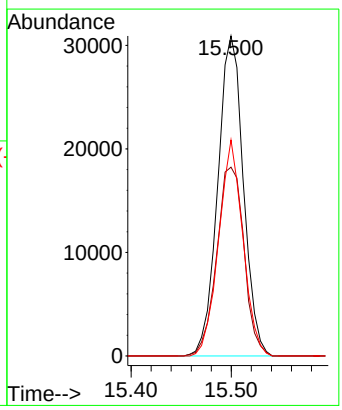


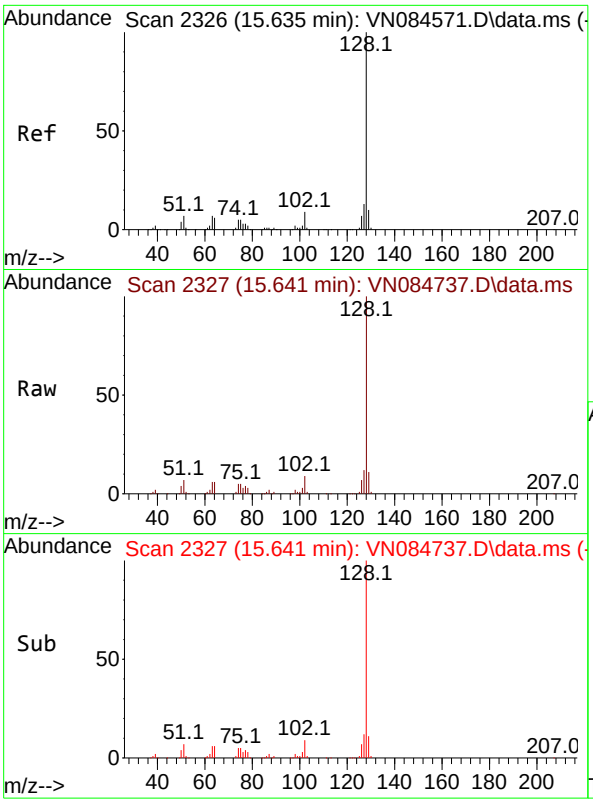


#94
Hexachlorobutadiene
Concen: 47.550 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:225 Resp: 54821

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.4	97.2
227	63.8	32.4	97.0



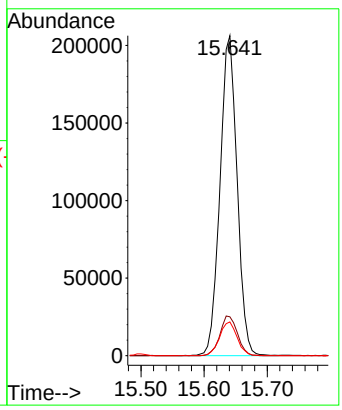


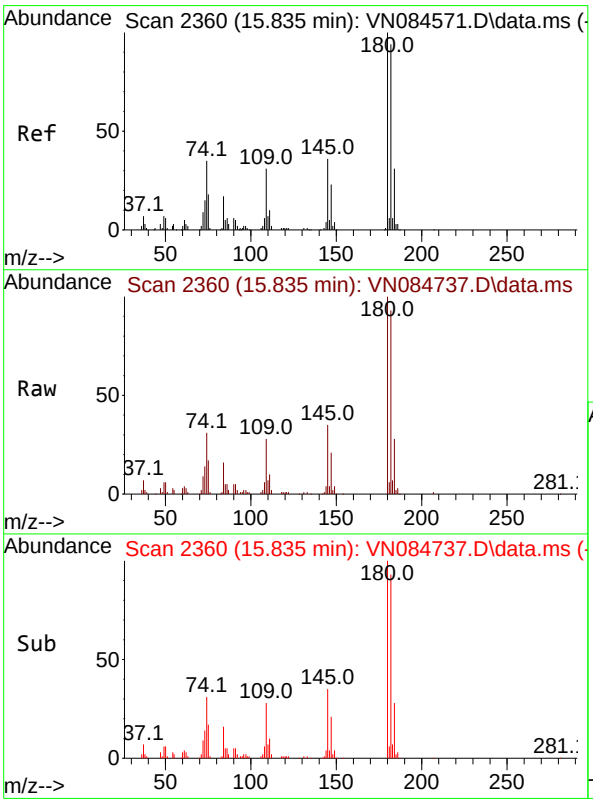
#95
Naphthalene
Concen: 49.414 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 388305

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1

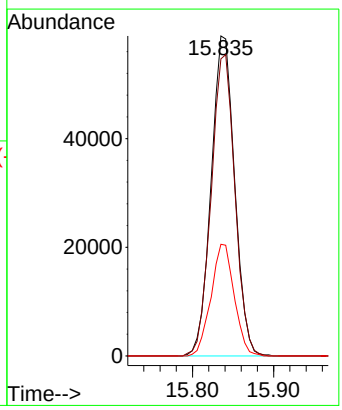




#96
1,2,3-Trichlorobenzene
Concen: 46.377 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084737.D
Acq: 08 Nov 2024 09:39

Tgt Ion:180 Resp: 118192

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	34.6	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	174962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116684	46.174	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.340%			
35) Dibromofluoromethane	8.165	113	93853	47.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.240%			
50) Toluene-d8	10.565	98	341782	47.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.847	95	137305	50.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34767	17.286	ug/l	93
3) Chloromethane	2.359	50	37956	14.282	ug/l	93
4) Vinyl Chloride	2.512	62	34968	16.164	ug/l	97
5) Bromomethane	2.901	94	19469	16.986	ug/l	95
6) Chloroethane	3.065	64	23715	16.783	ug/l	93
7) Trichlorofluoromethane	3.465	101	63402	17.792	ug/l	99
8) Diethyl Ether	3.948	74	22022	17.518	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	36193	17.974	ug/l	96
10) Methyl Iodide	4.577	142	47599	17.687	ug/l	95
11) Tert butyl alcohol	5.530	59	36995	110.909	ug/l	96
12) 1,1-Dichloroethene	4.318	96	33369	16.748	ug/l	98
13) Acrolein	4.177	56	25953	78.026	ug/l	99
14) Allyl chloride	5.012	41	55430	17.154	ug/l	93
15) Acrylonitrile	5.712	53	99106	102.632	ug/l	98
16) Acetone	4.430	43	82332	111.205	ug/l	96
17) Carbon Disulfide	4.695	76	92605	15.092	ug/l	100
18) Methyl Acetate	5.024	43	49919	16.007	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	115190	18.862	ug/l	100
20) Methylene Chloride	5.259	84	39511	17.777	ug/l #	83
21) trans-1,2-Dichloroethene	5.777	96	34277	16.754	ug/l	98
22) Diisopropyl ether	6.665	45	118560	18.466	ug/l	96
23) Vinyl Acetate	6.600	43	425627	96.129	ug/l	98
24) 1,1-Dichloroethane	6.559	63	68939	17.884	ug/l	97
25) 2-Butanone	7.483	43	123723	104.944	ug/l	97
26) 2,2-Dichloropropane	7.489	77	62524	18.636	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	43621	18.260	ug/l	95
28) Bromochloromethane	7.812	49	30783	20.044	ug/l	91
29) Tetrahydrofuran	7.836	42	80577	103.022	ug/l	94
30) Chloroform	7.965	83	73867	18.827	ug/l	99
31) Cyclohexane	8.253	56	57060	16.355	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	66952	18.749	ug/l	96
36) 1,1-Dichloropropene	8.365	75	47988	17.555	ug/l	99
37) Ethyl Acetate	7.553	43	51613	20.810	ug/l	97
38) Carbon Tetrachloride	8.359	117	57972	18.973	ug/l	97
39) Methylcyclohexane	9.594	83	51512	18.523	ug/l	98
40) Benzene	8.600	78	155201	17.679	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	27233	20.418	ug/l		94
42) 1,2-Dichloroethane	8.665	62	54291	19.095	ug/l		99
43) Isopropyl Acetate	8.688	43	86390	18.241	ug/l		99
44) Trichloroethene	9.353	130	37093	18.321	ug/l		96
45) 1,2-Dichloropropane	9.618	63	38326	18.610	ug/l		97
46) Dibromomethane	9.706	93	27144	18.679	ug/l		94
47) Bromodichloromethane	9.888	83	56189	18.343	ug/l	#	96
48) Methyl methacrylate	9.677	41	37137	19.239	ug/l		92
49) 1,4-Dioxane	9.694	88	14506	424.079	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	255755	108.170	ug/l		98
52) Toluene	10.629	92	96819	18.857	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	57707	18.200	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	61498	18.325	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	37879	19.585	ug/l		98
56) Ethyl methacrylate	10.871	69	58163	20.791	ug/l		96
57) 1,3-Dichloropropane	11.165	76	64044	19.294	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	141306	107.944	ug/l		98
59) 2-Hexanone	11.194	43	188419	109.482	ug/l		96
60) Dibromochloromethane	11.359	129	44133	20.022	ug/l		100
61) 1,2-Dibromoethane	11.465	107	38295	19.336	ug/l		98
64) Tetrachloroethene	11.100	164	31948	18.289	ug/l		94
65) Chlorobenzene	11.888	112	103377	17.596	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	38498	18.839	ug/l		100
67) Ethyl Benzene	11.965	91	178544	18.206	ug/l		100
68) m/p-Xylenes	12.071	106	137179	36.948	ug/l		99
69) o-Xylene	12.394	106	65367	18.820	ug/l		99
70) Styrene	12.412	104	112670	18.596	ug/l		98
71) Bromoform	12.576	173	30386	19.760	ug/l	#	95
73) Isopropylbenzene	12.694	105	164923	17.362	ug/l		99
74) N-amyl acetate	12.494	43	71767	17.751	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	57392	18.101	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	72252	26.665	ug/l		57
77) Bromobenzene	12.982	156	43577	17.064	ug/l		93
78) n-propylbenzene	13.035	91	191605	17.213	ug/l		98
79) 2-Chlorotoluene	13.123	91	126696	17.419	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	144609	18.367	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	19561	17.126	ug/l		97
82) 4-Chlorotoluene	13.218	91	124322	16.242	ug/l		98
83) tert-Butylbenzene	13.435	119	122675	18.827	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	145733	17.935	ug/l		99
85) sec-Butylbenzene	13.612	105	163337	17.746	ug/l		99
86) p-Isopropyltoluene	13.729	119	135693	17.976	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	79514	15.955	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	78967	16.542	ug/l		99
89) n-Butylbenzene	14.053	91	112075	15.872	ug/l		97
90) Hexachloroethane	14.329	117	28476	16.916	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	80587	16.827	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12300	19.149	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	39577	15.099	ug/l		98
94) Hexachlorobutadiene	15.500	225	18430	16.011	ug/l		98
95) Naphthalene	15.641	128	126375	16.107	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	39105	15.368	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

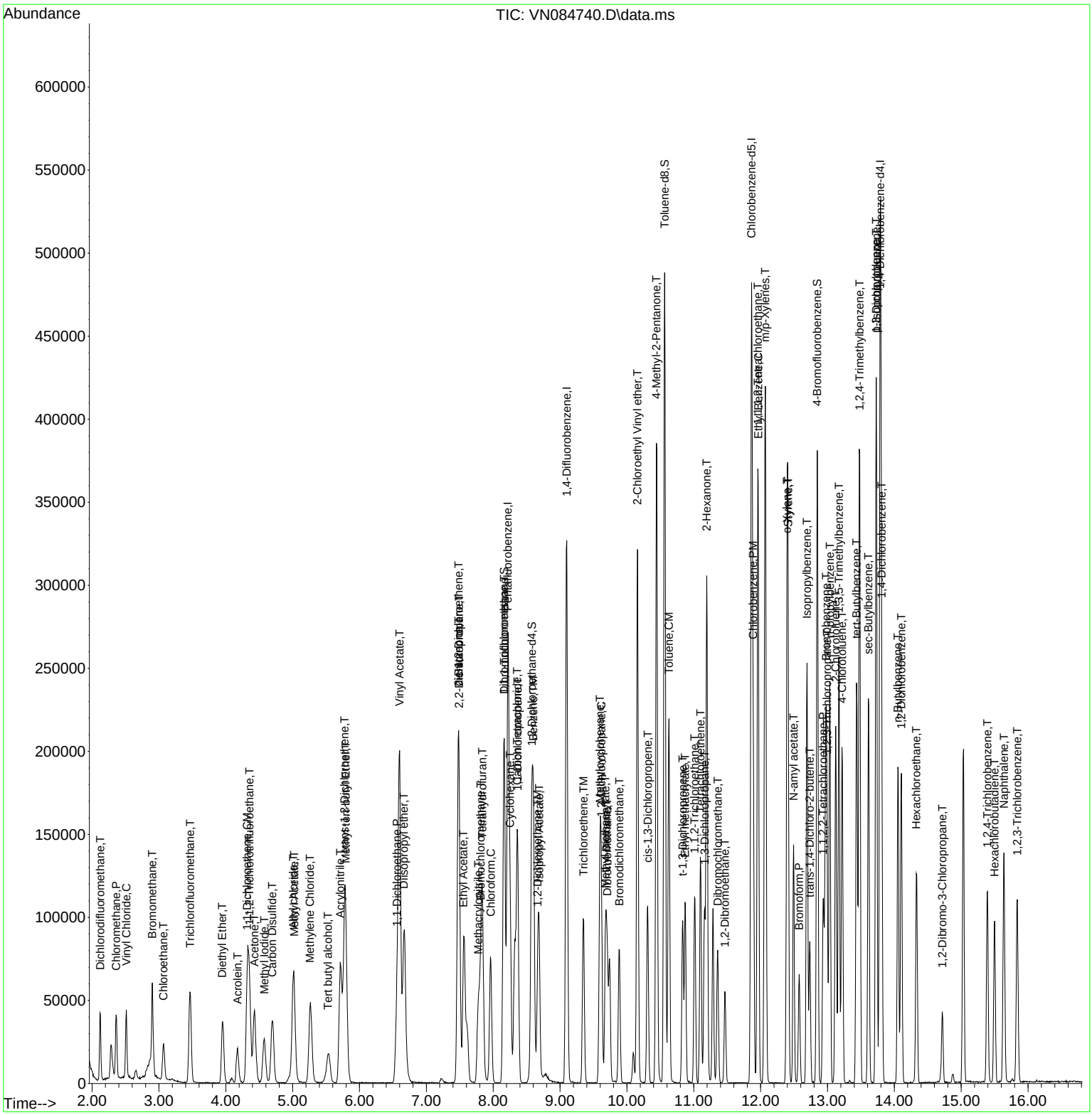
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

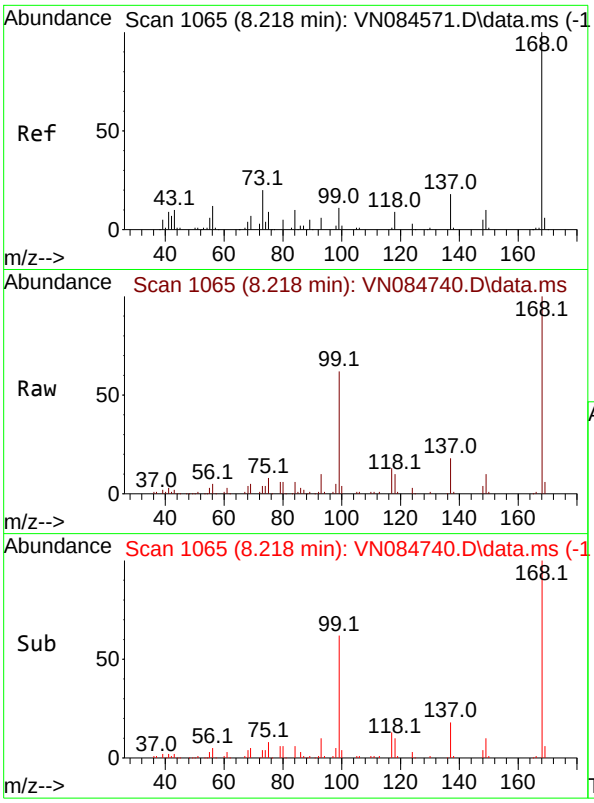
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084740.D
Acq On : 08 Nov 2024 11:19
Operator : JC\MD
Sample : VN1108WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Quant Time: Nov 08 22:26:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



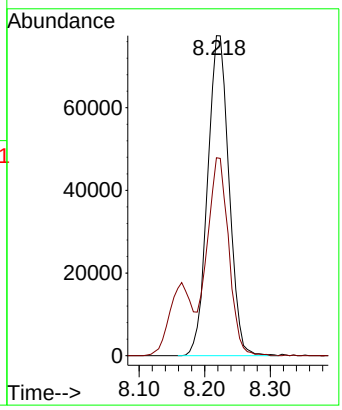


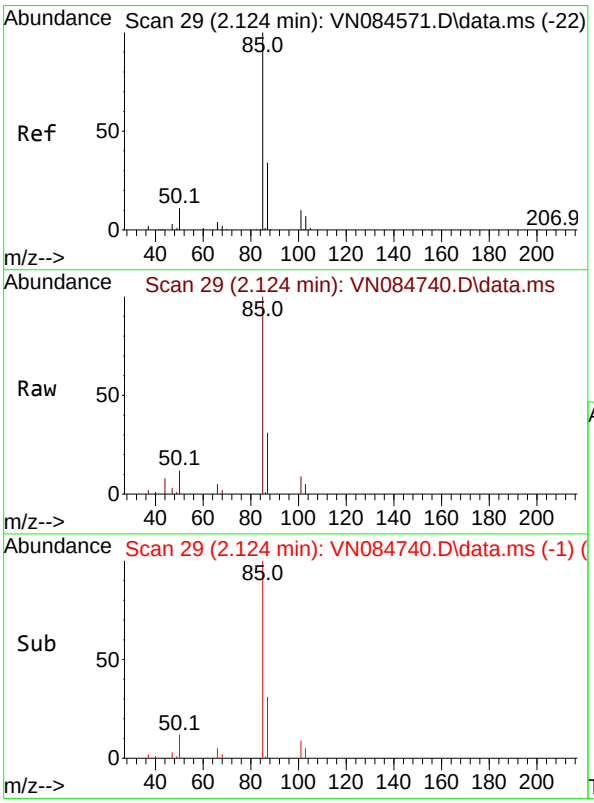
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:168 Resp: 174962

Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2

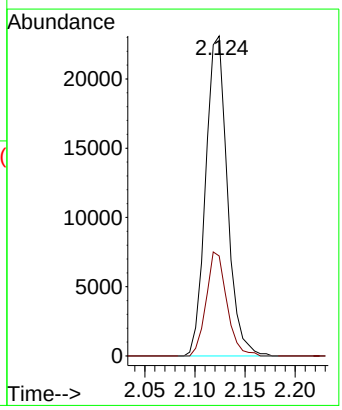


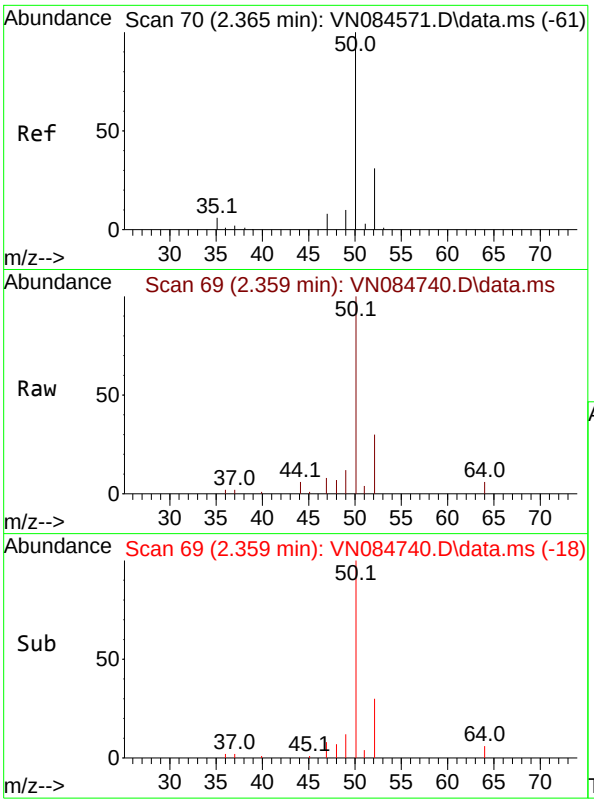


#2
Dichlorodifluoromethane
Concen: 17.286 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 85 Resp: 34767

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9



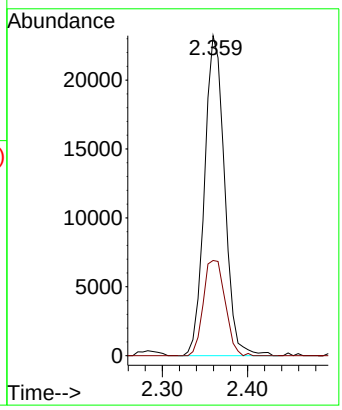


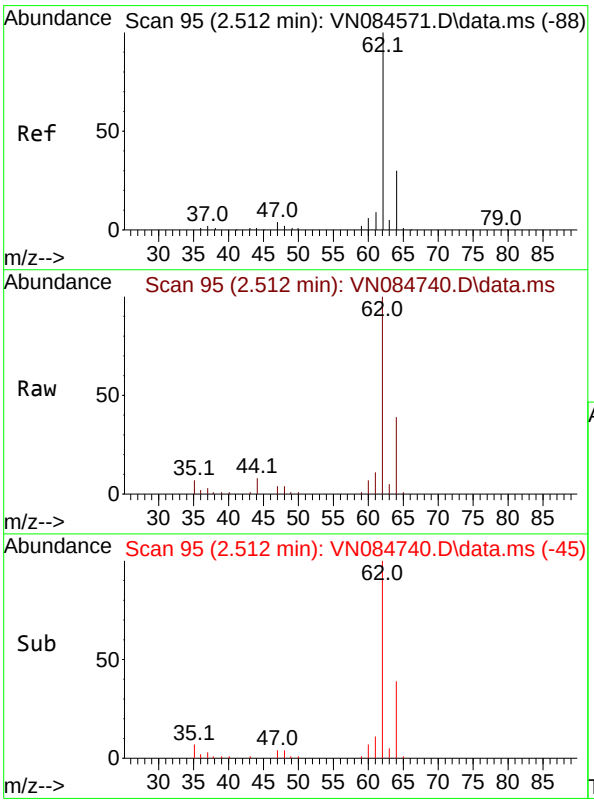
#3
Chloromethane
Concen: 14.282 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 50 Resp: 37956

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.8	40.2

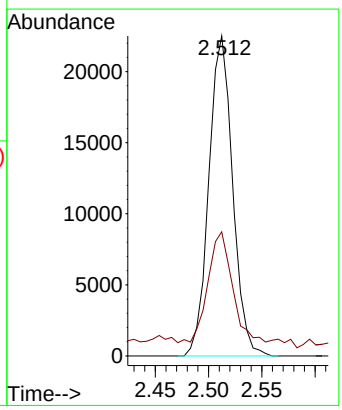


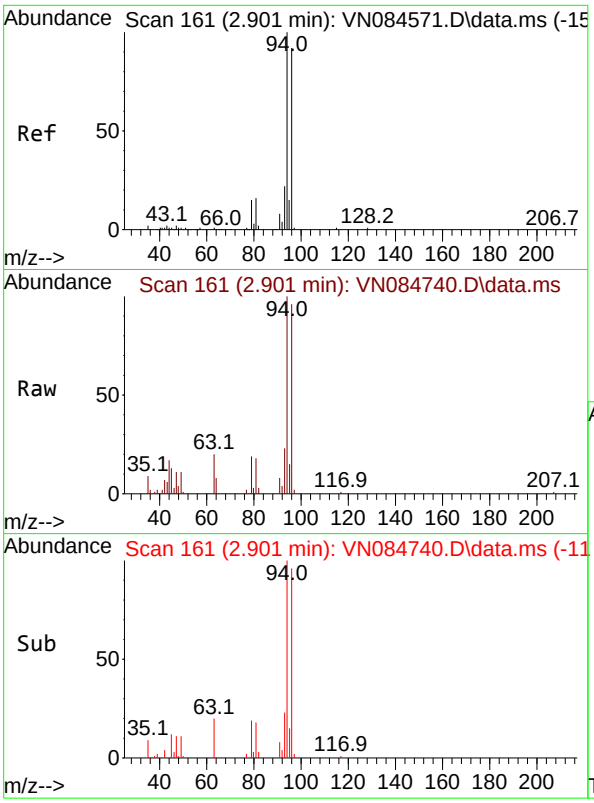


#4
Vinyl Chloride
Concen: 16.164 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 62 Resp: 34968

Ion	Ratio	Lower	Upper
62	100		
64	34.6	26.2	39.4



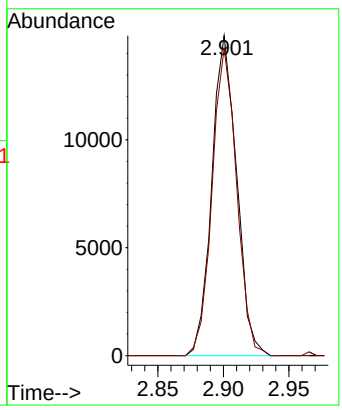


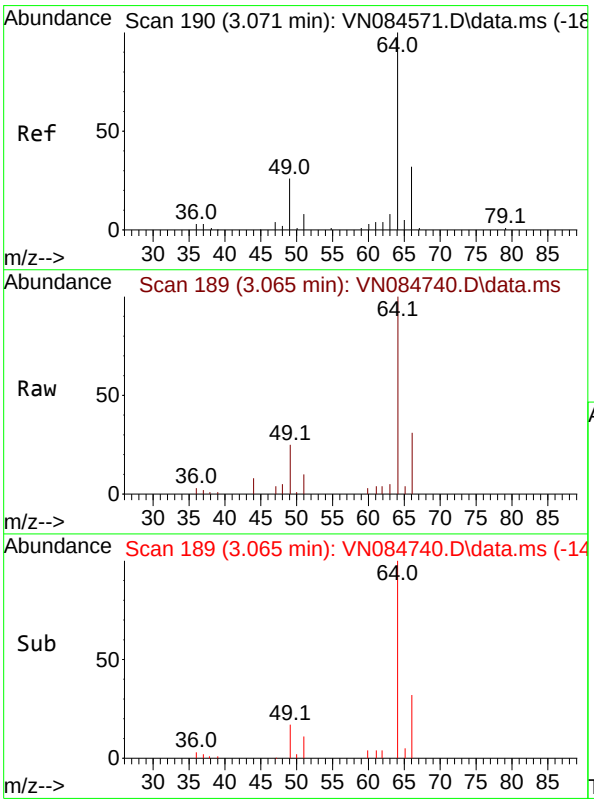
#5
Bromomethane
Concen: 16.986 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 94 Resp: 19469

Ion	Ratio	Lower	Upper
94	100		
96	96.0	72.9	109.3

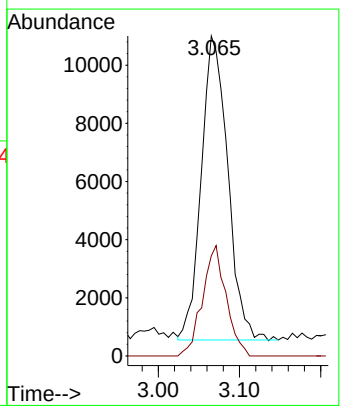


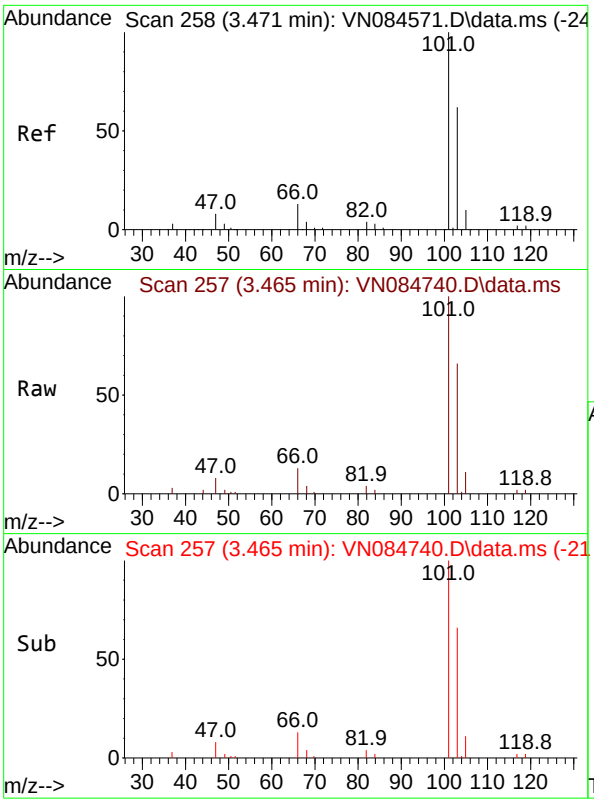


#6
Chloroethane
Concen: 16.783 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 64 Resp: 23715

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.5	35.3



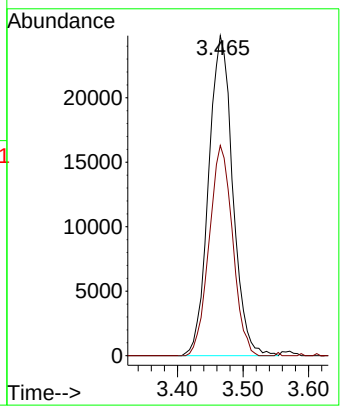


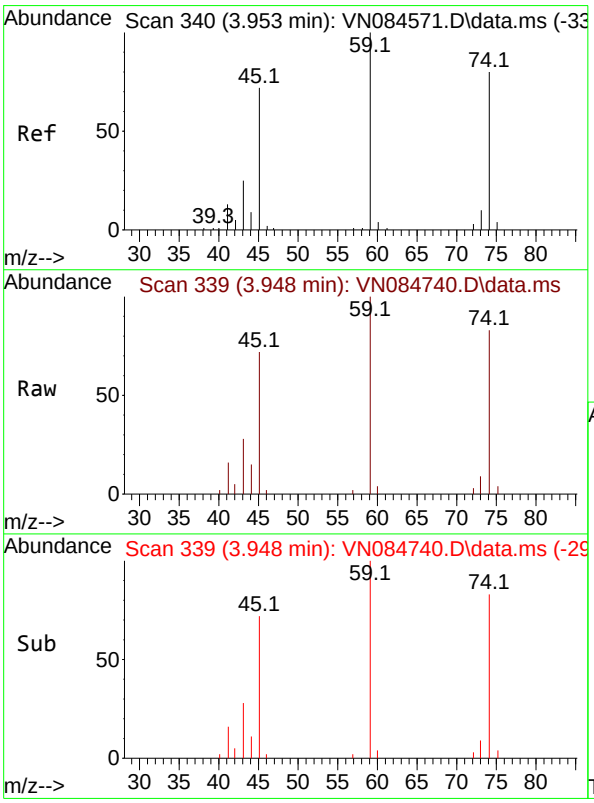
#7
Trichlorofluoromethane
Concen: 17.792 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:101 Resp: 63402

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.6

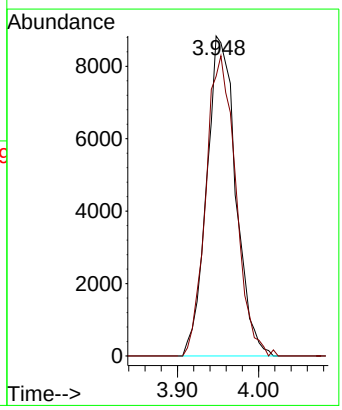


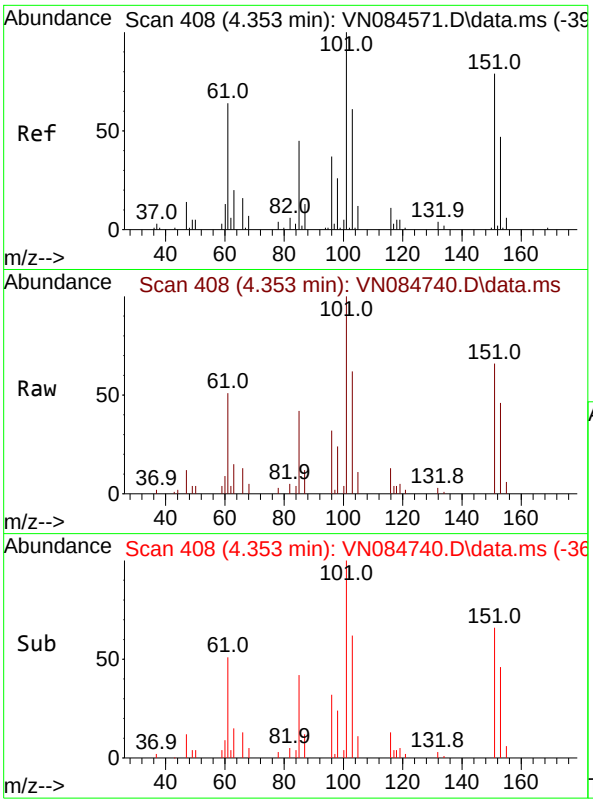


#8
Diethyl Ether
Concen: 17.518 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 74 Resp: 22022

Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.7	143.1



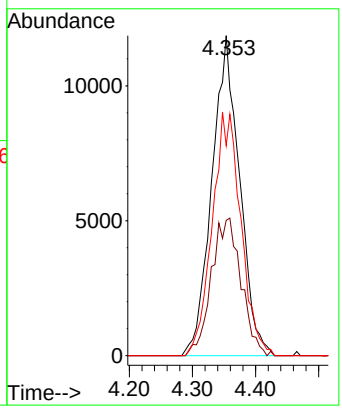


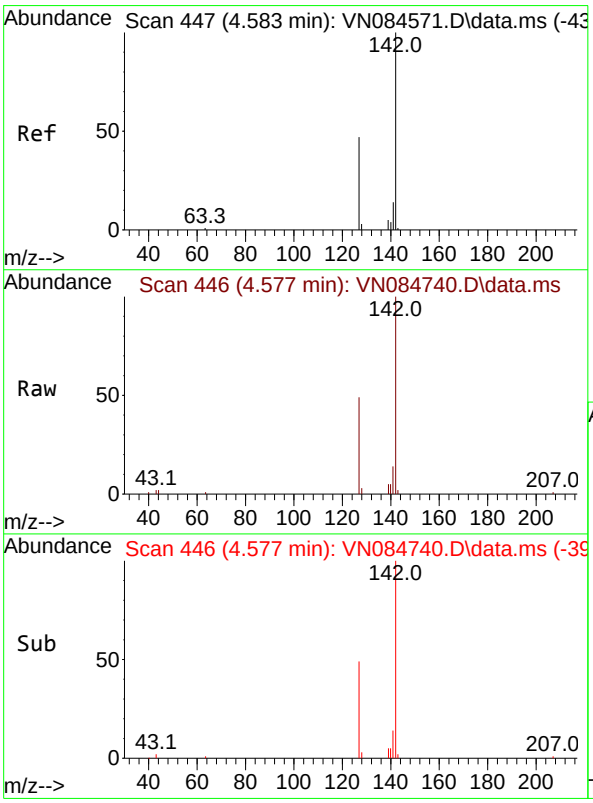
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.974 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:101 Resp: 36193

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	78.6	59.3	88.9

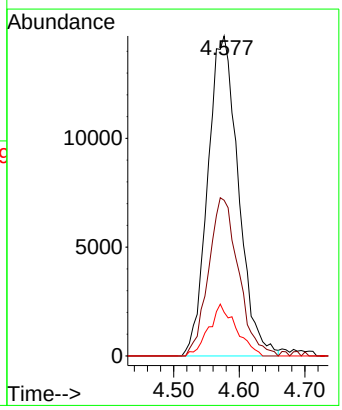


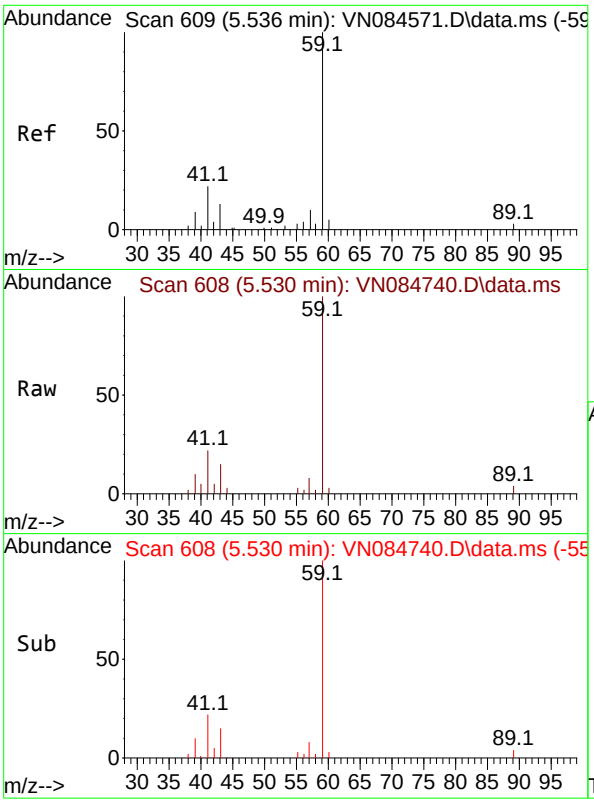


#10
Methyl Iodide
Concen: 17.687 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:142 Resp: 47599

Ion	Ratio	Lower	Upper
142	100		
127	48.7	35.3	52.9
141	13.6	11.0	16.6



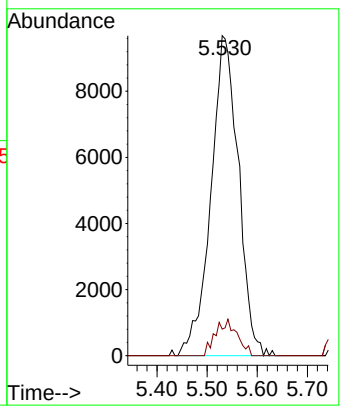


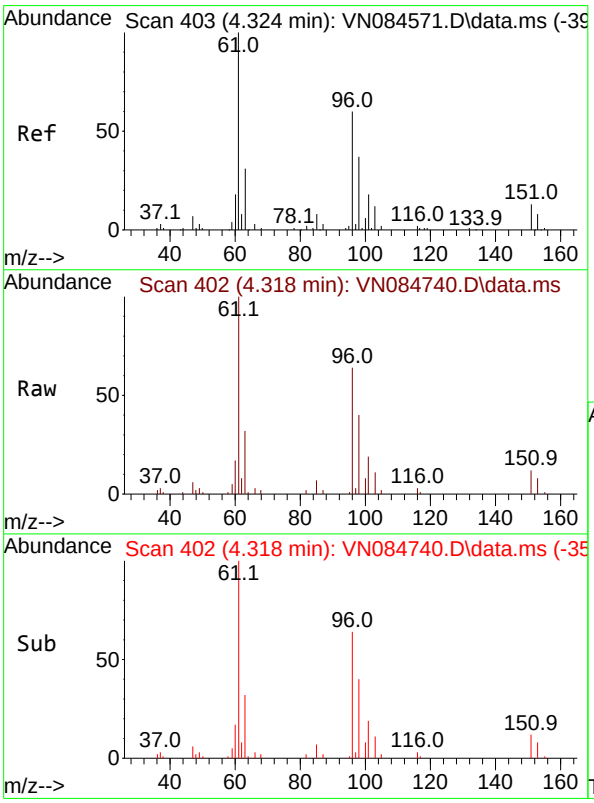
#11
Tert butyl alcohol
Concen: 110.909 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 59 Resp: 36995

Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.2	12.2

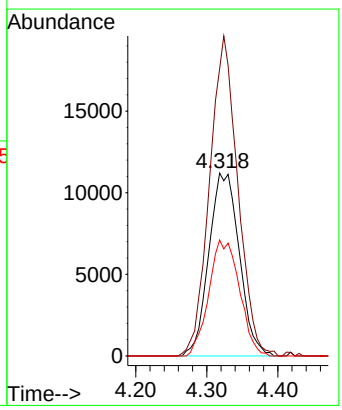


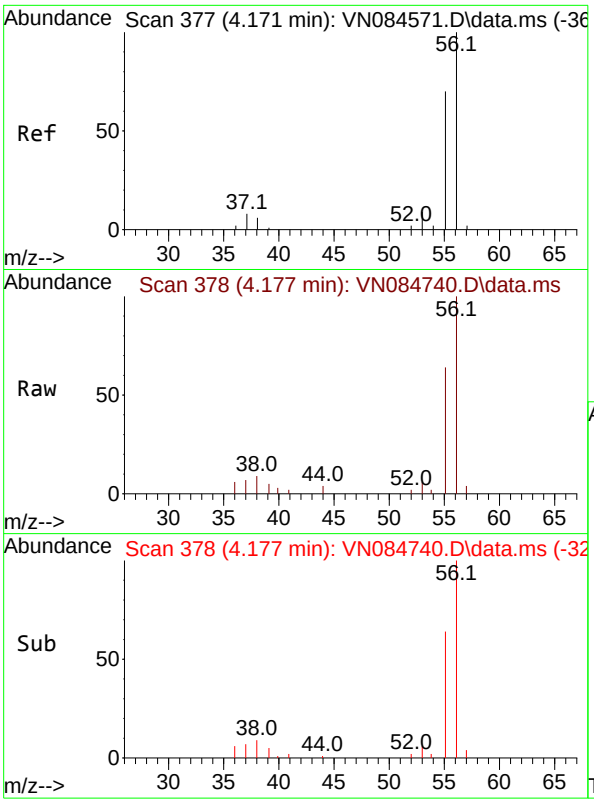


#12
1,1-Dichloroethene
Concen: 16.748 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 96 Resp: 33369

Ion	Ratio	Lower	Upper
96	100		
61	157.1	128.6	192.8
98	63.4	51.7	77.5



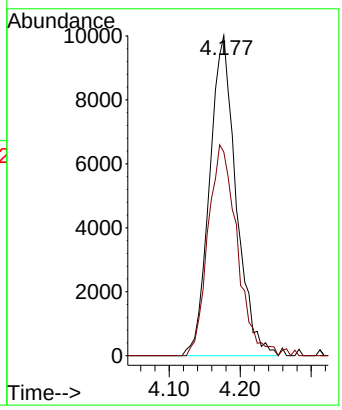


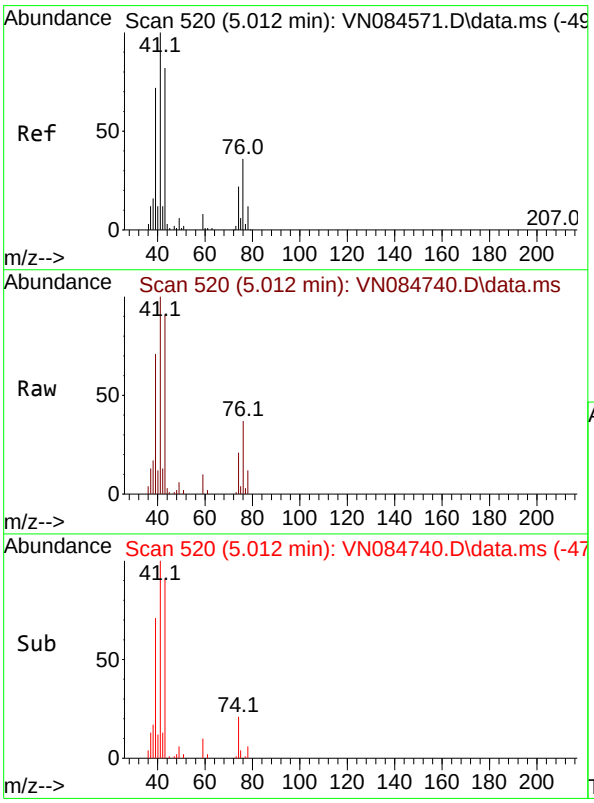
#13
Acrolein
Concen: 78.026 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 56 Resp: 25953

Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8

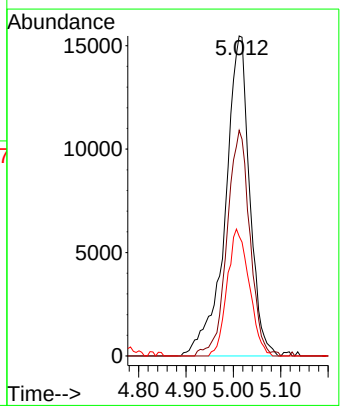


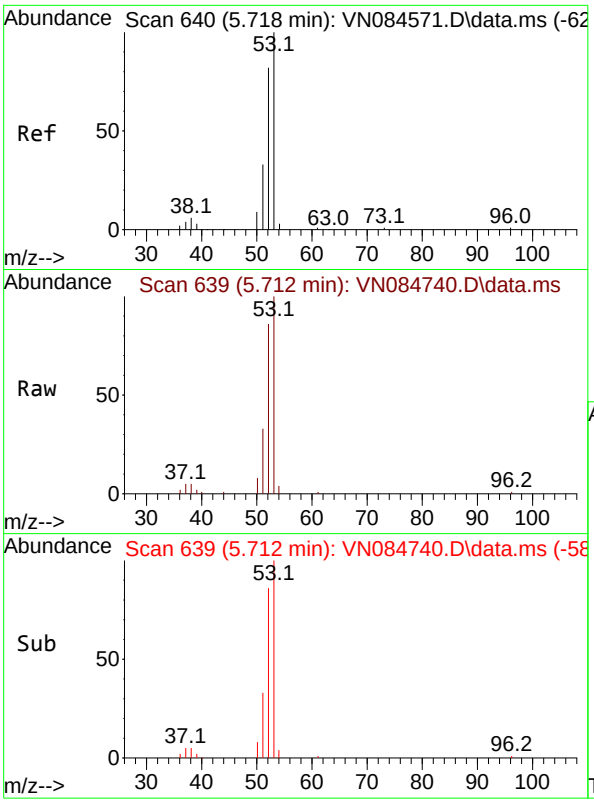


#14
Allyl chloride
Concen: 17.154 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 41 Resp: 55430

Ion	Ratio	Lower	Upper
41	100		
39	66.1	59.0	88.6
76	35.9	29.8	44.6



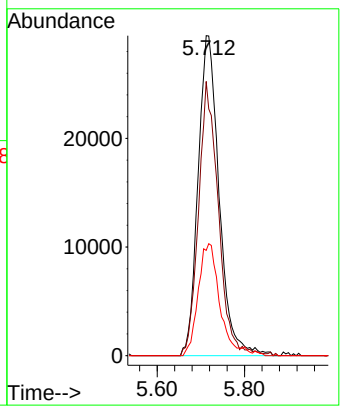


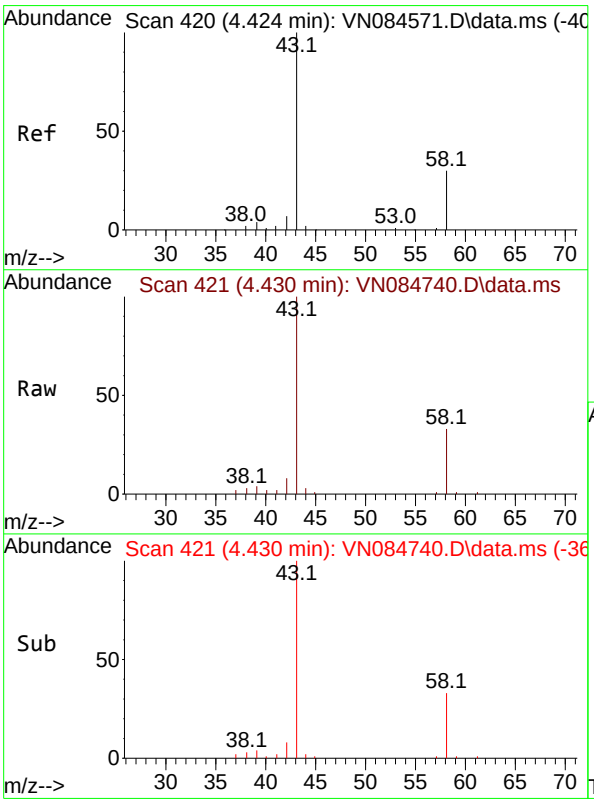
#15
Acrylonitrile
Concen: 102.632 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 53 Resp: 99106

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	35.8	28.8	43.2

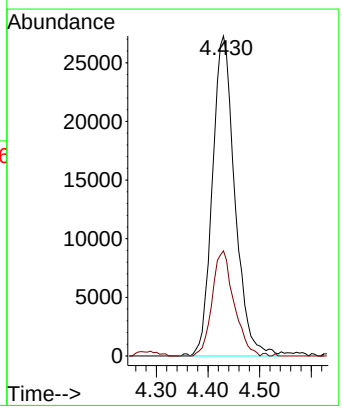


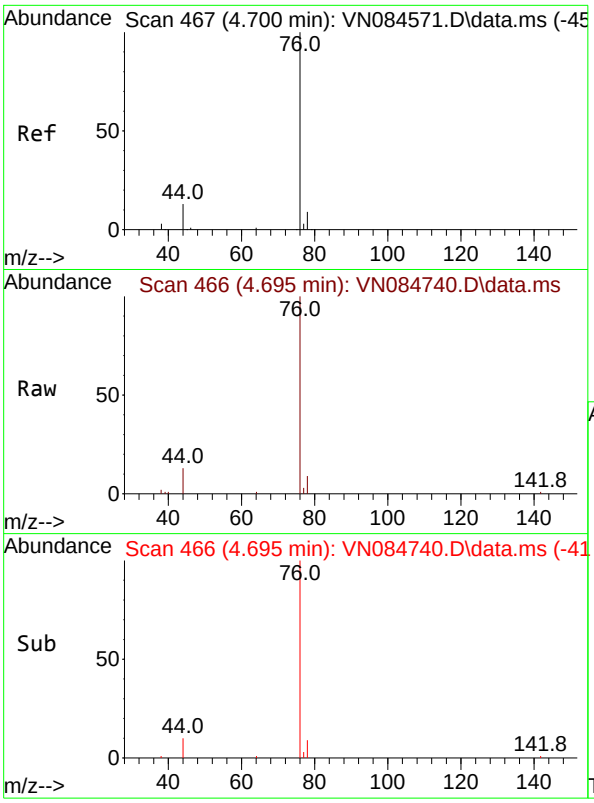


#16
Acetone
Concen: 111.205 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 82332

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.4	36.6



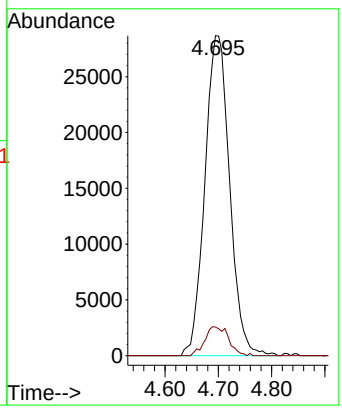


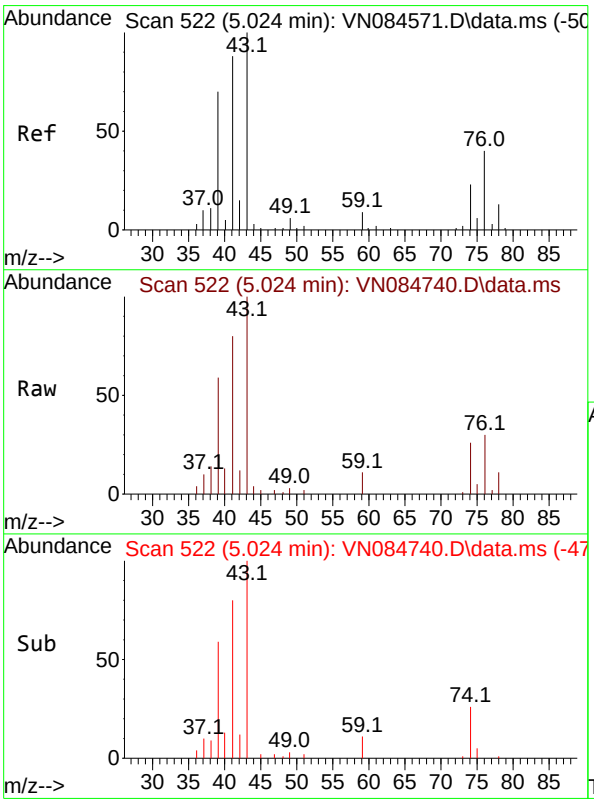
#17
Carbon Disulfide
Concen: 15.092 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 76 Resp: 92605

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

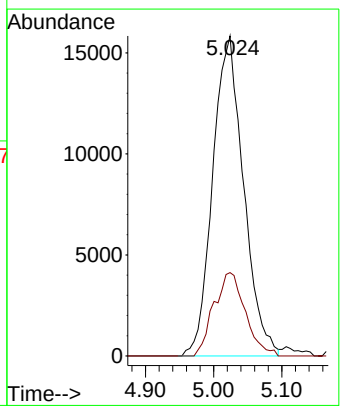


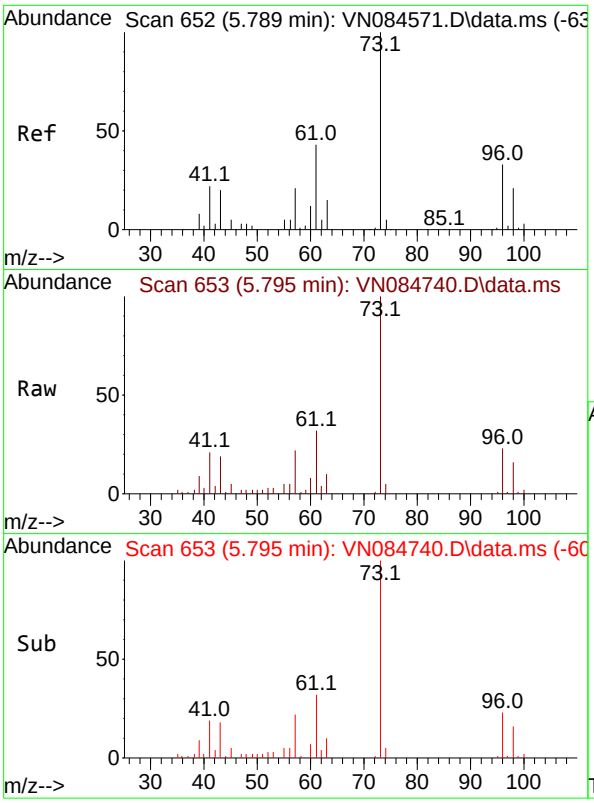


#18
Methyl Acetate
Concen: 16.007 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 49919

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.2	28.8



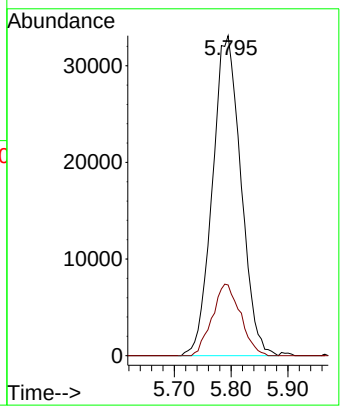


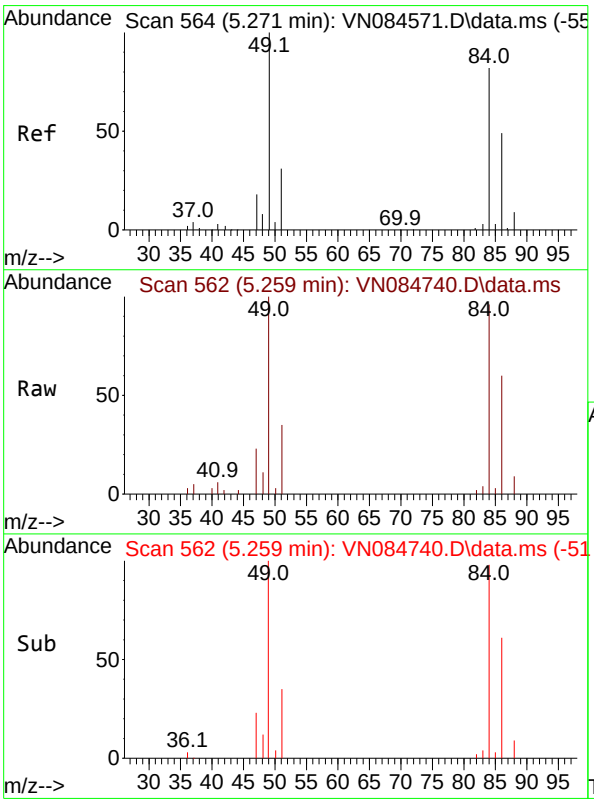
#19
Methyl tert-butyl Ether
Concen: 18.862 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 73 Resp: 115190

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

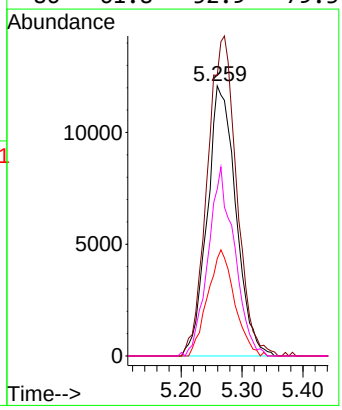


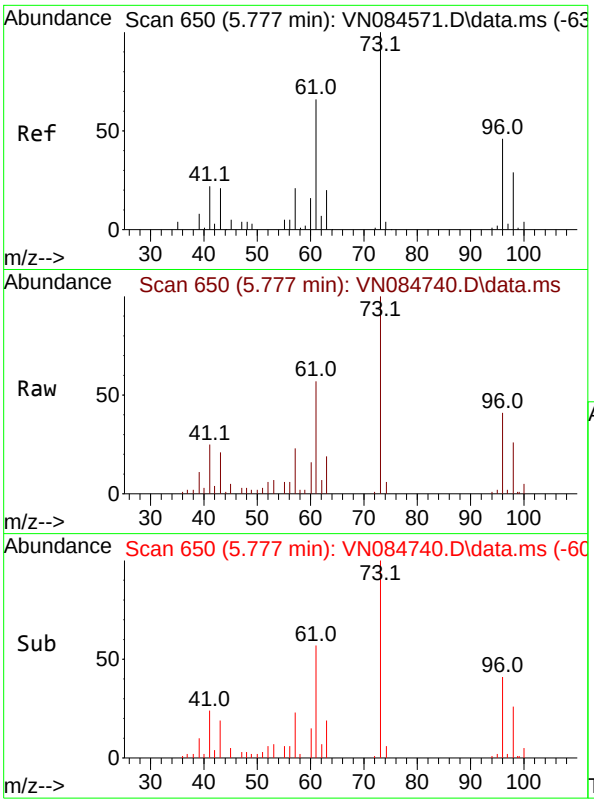


#20
Methylene Chloride
Concen: 17.777 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 84 Resp: 39511

Ion	Ratio	Lower	Upper
84	100		
49	103.9	107.2	160.8#
51	36.0	31.8	47.8
86	61.8	52.9	79.3



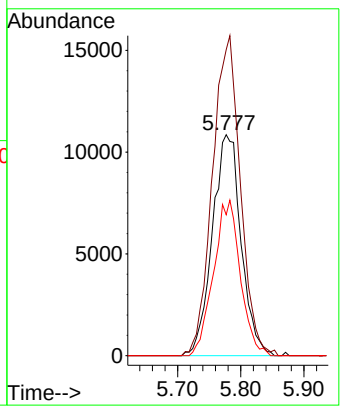


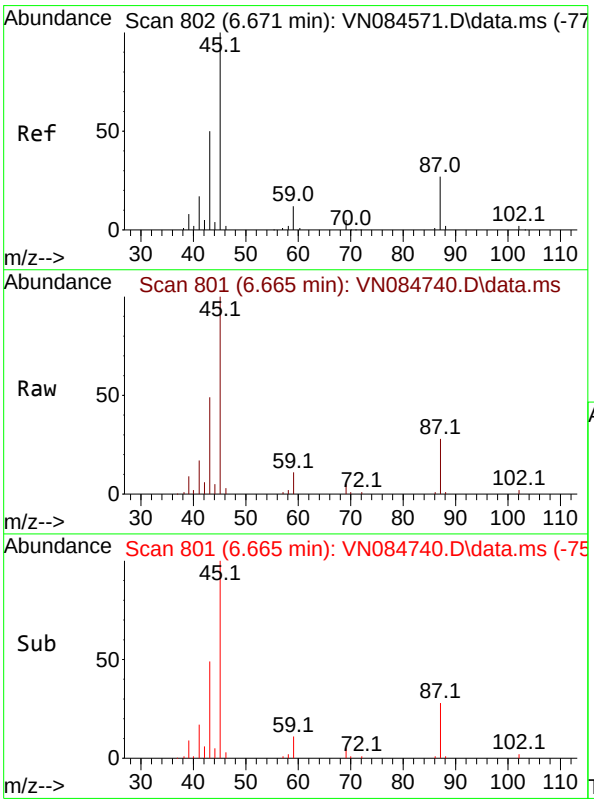
#21
trans-1,2-Dichloroethene
Concen: 16.754 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 96 Resp: 34277

Ion	Ratio	Lower	Upper
96	100		
61	138.4	108.4	162.6
98	63.8	49.8	74.8

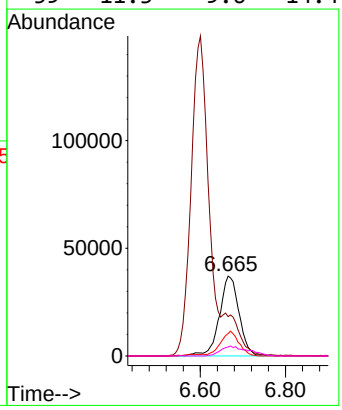


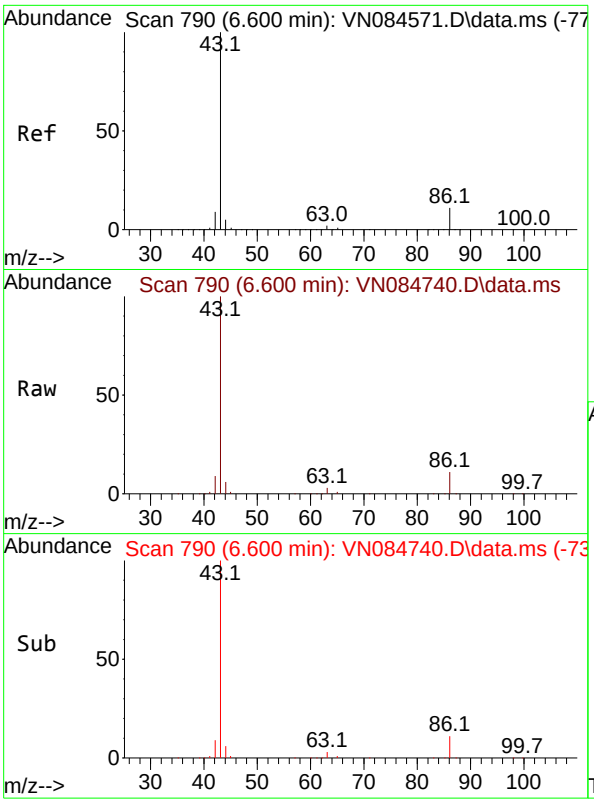


#22
Diisopropyl ether
Concen: 18.466 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 45 Resp: 118560

Ion	Ratio	Lower	Upper
45	100		
43	48.8	42.3	63.5
87	28.1	21.8	32.6
59	11.3	9.6	14.4



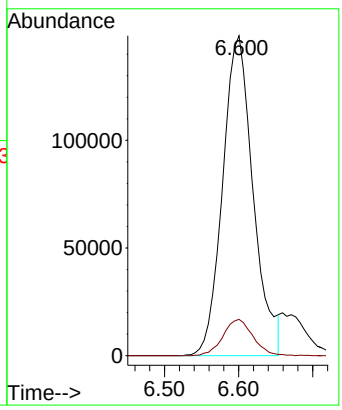


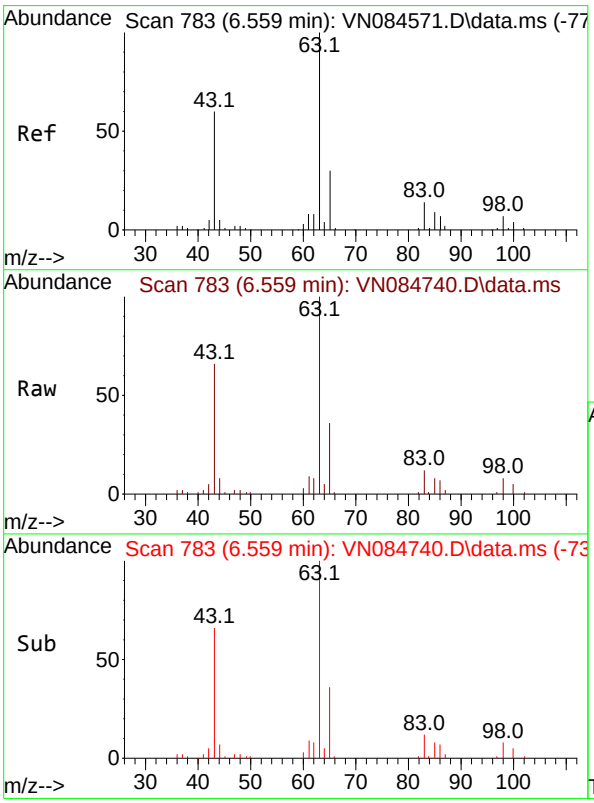
#23
Vinyl Acetate
Concen: 96.129 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 425627

Ion	Ratio	Lower	Upper
43	100		
86	11.4	8.6	12.8

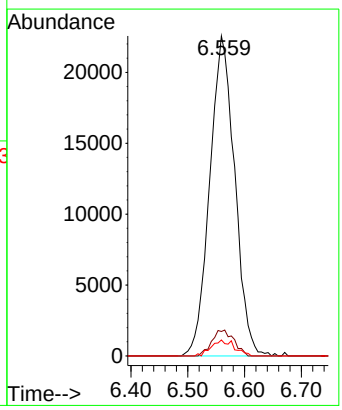


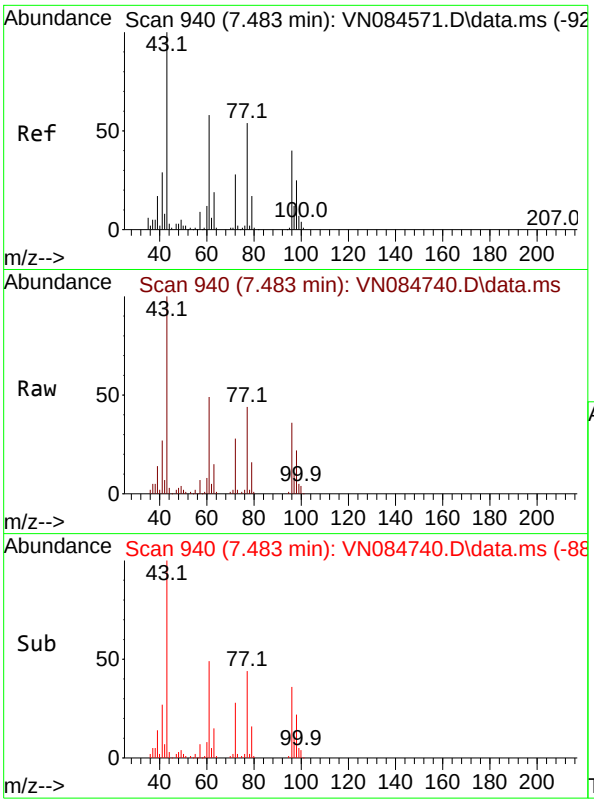


#24
1,1-Dichloroethane
Concen: 17.884 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 63 Resp: 68939

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.2
100	5.0	2.0	5.8



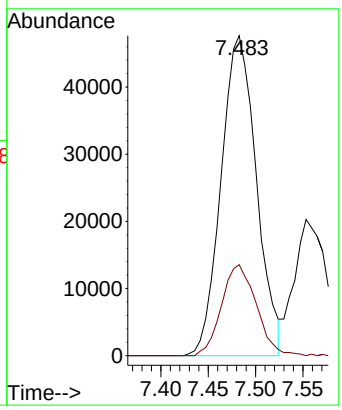


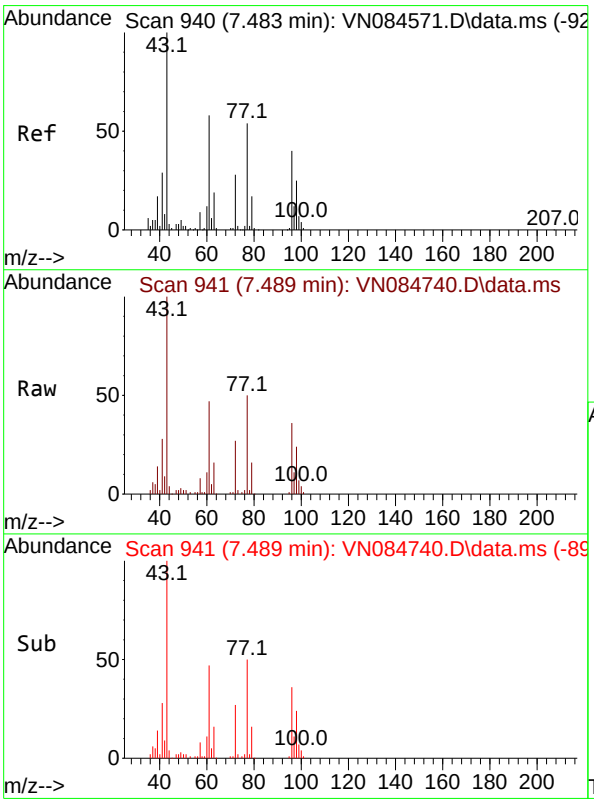
#25
2-Butanone
Concen: 104.944 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 123723

Ion	Ratio	Lower	Upper
43	100		
72	28.5	21.4	32.2

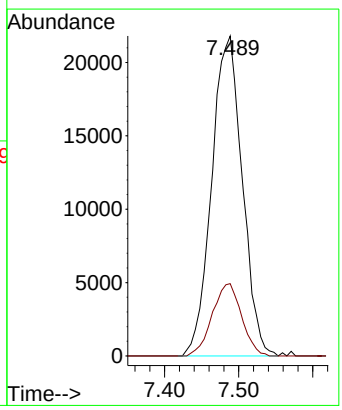


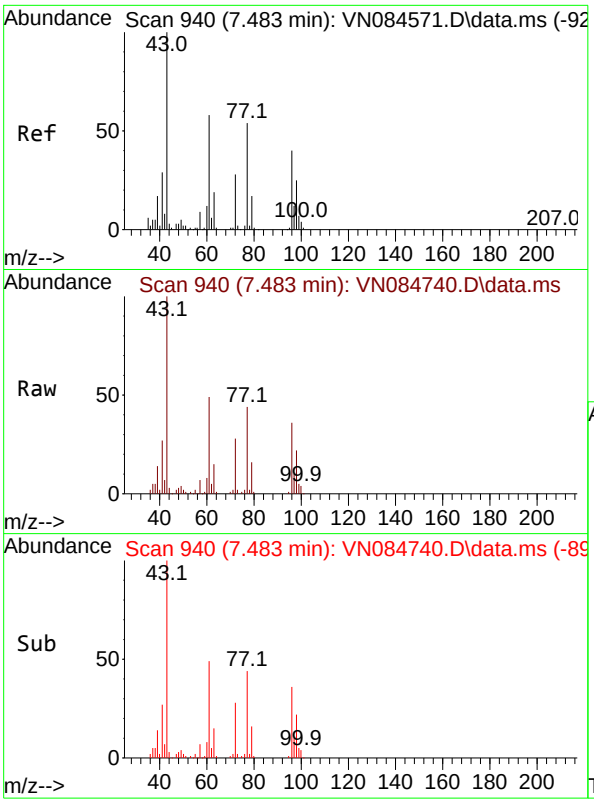


#26
2,2-Dichloropropane
Concen: 18.636 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 77 Resp: 62524

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



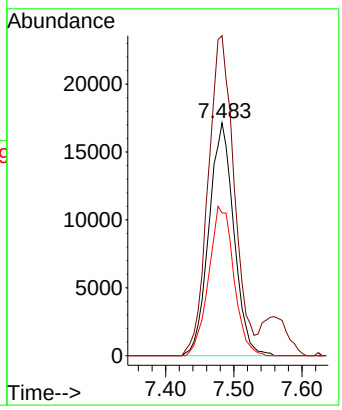


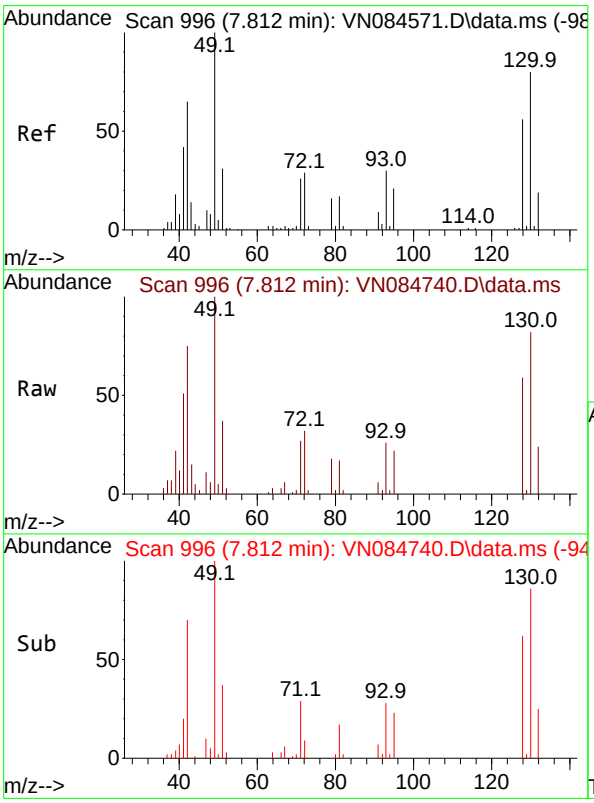
#27
cis-1,2-Dichloroethene
Concen: 18.260 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 96 Resp: 43621

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	301.8
98	64.7	0.0	128.2

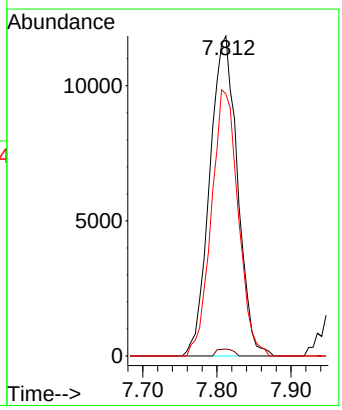


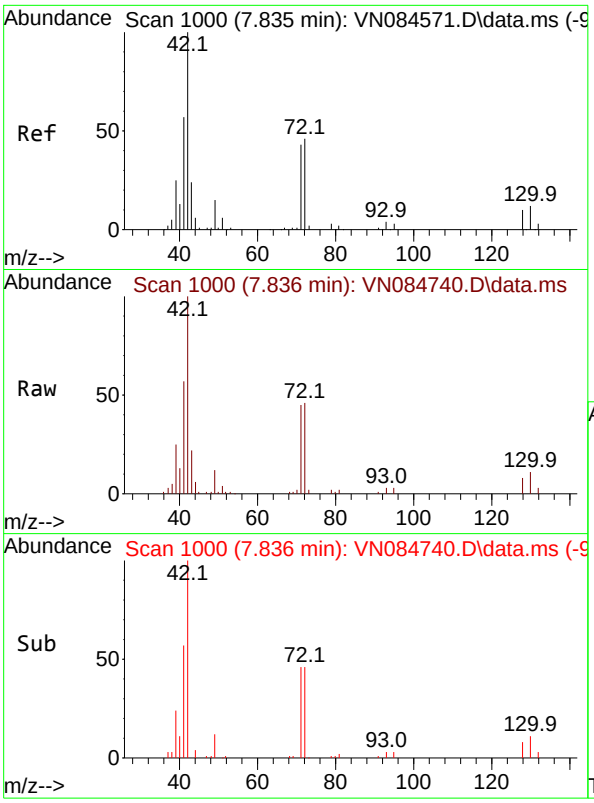


#28
Bromochloromethane
Concen: 20.044 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 49 Resp: 30783

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	80.2	58.0	87.0



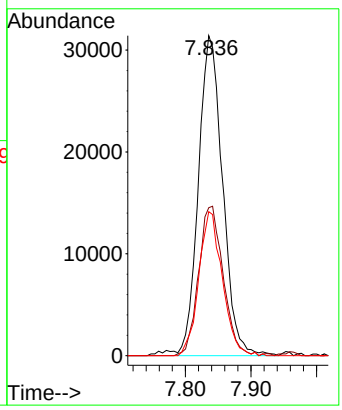


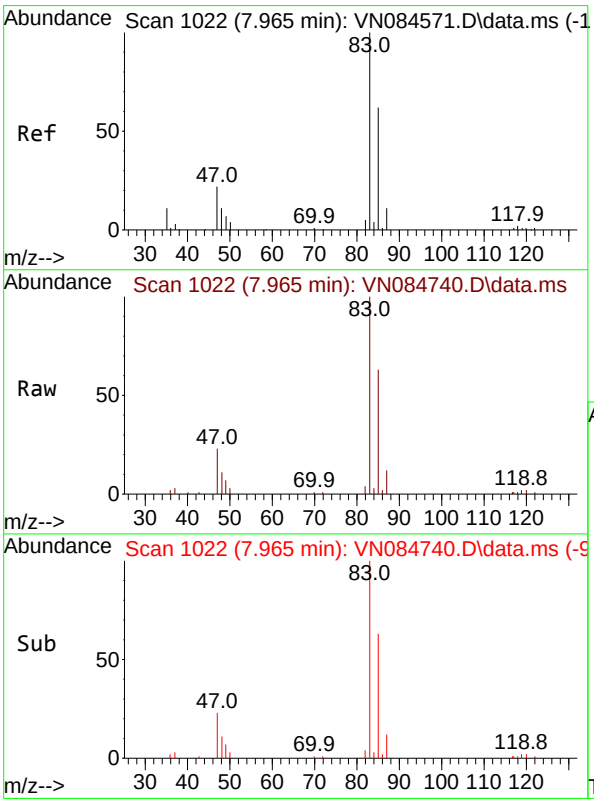
#29
Tetrahydrofuran
Concen: 103.022 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 42 Resp: 80577

Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	43.9	32.2	48.4

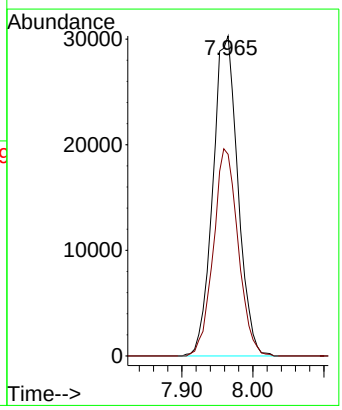


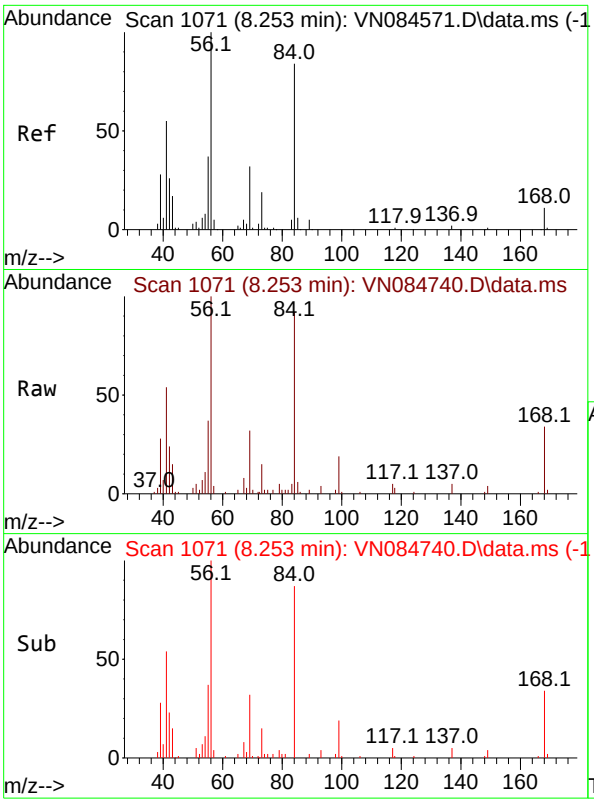


#30
Chloroform
Concen: 18.827 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 83 Resp: 73867

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.4



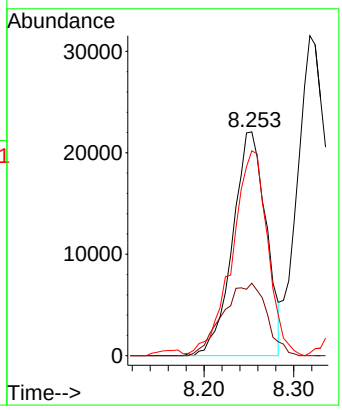


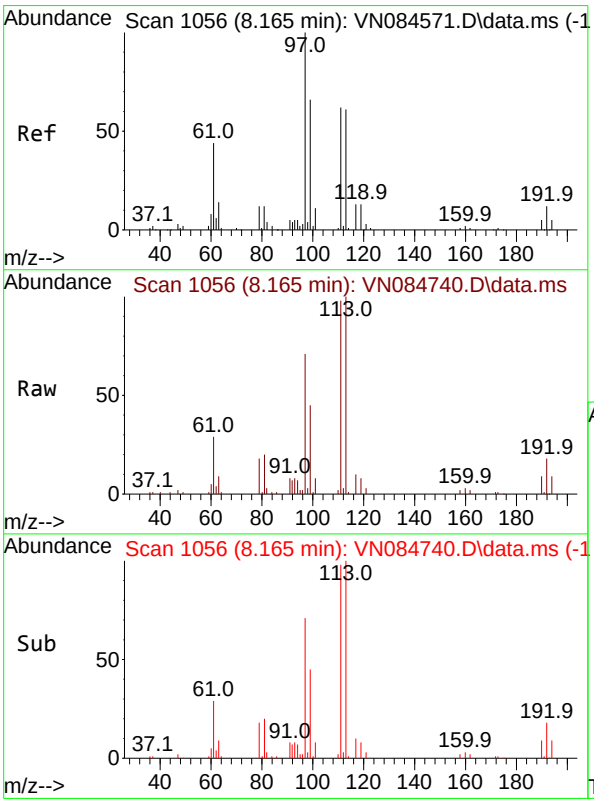
#31
Cyclohexane
Concen: 16.355 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 56 Resp: 57060

Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.8	35.6
84	88.9	68.8	103.2

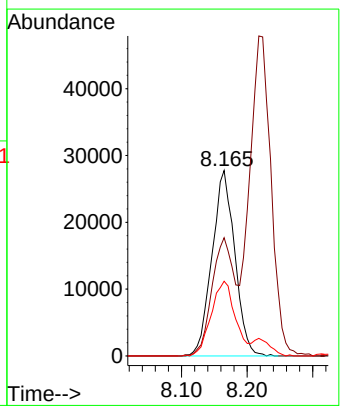


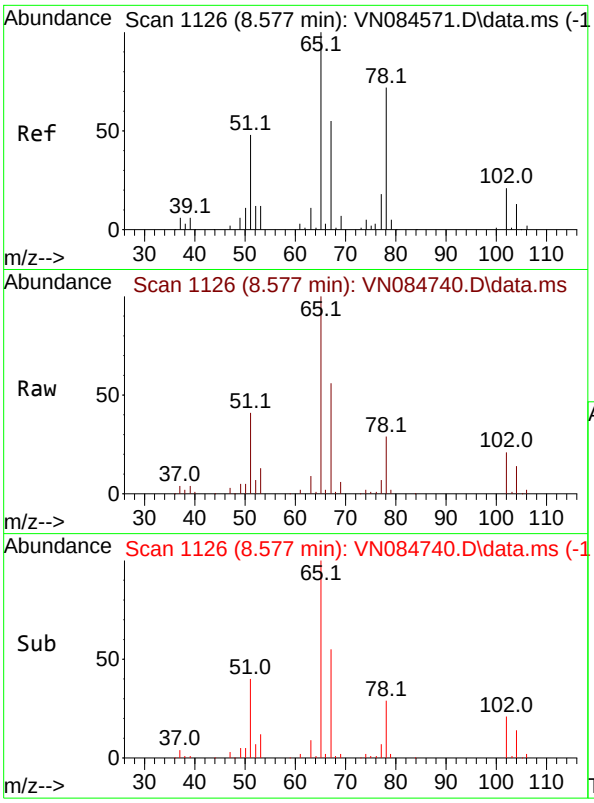


#32
1,1,1-Trichloroethane
Concen: 18.749 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 97 Resp: 66952

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	42.3	37.5	56.3



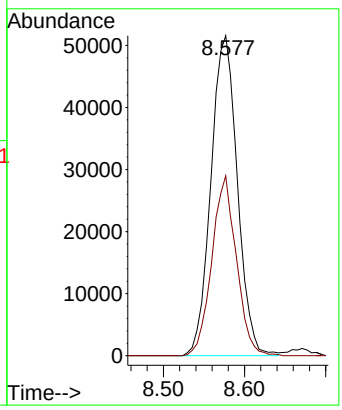


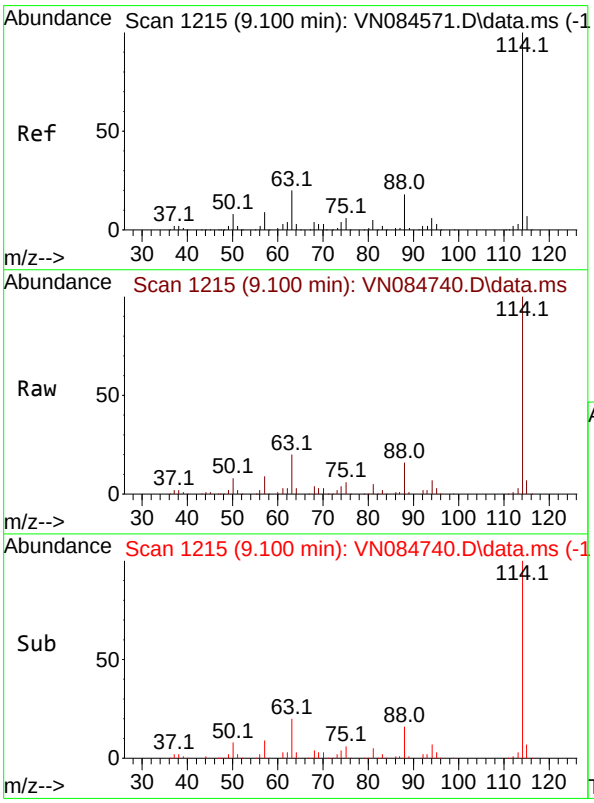
#33
1,2-Dichloroethane-d4
Concen: 46.174 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 65 Resp: 116684

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

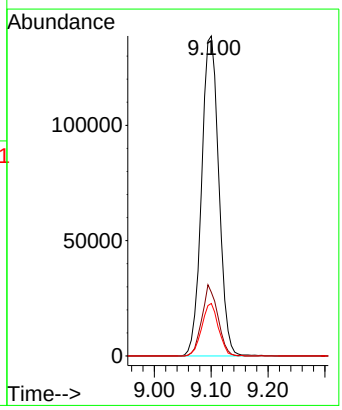


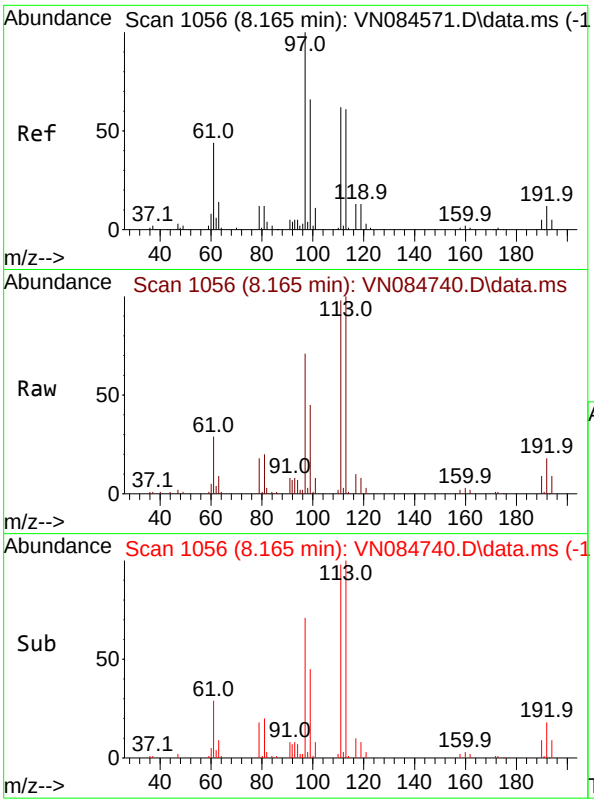


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:114 Resp: 291201

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	16.4	0.0	31.6



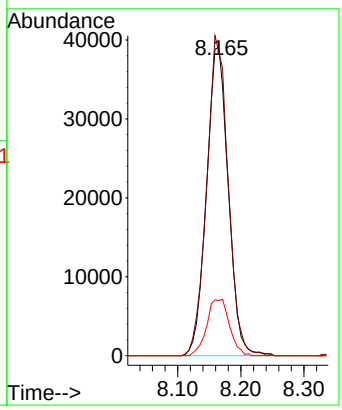


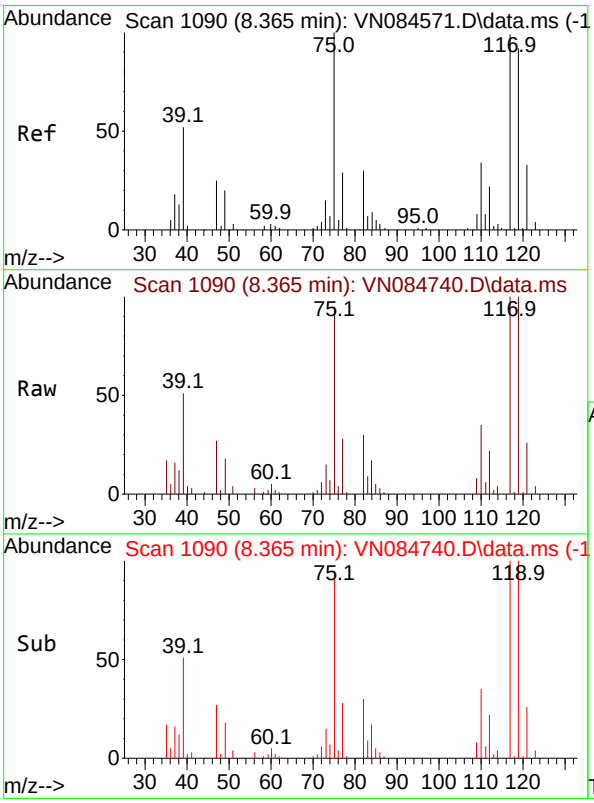
#35
Dibromofluoromethane
Concen: 47.615 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:113 Resp: 93853

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	19.0	13.5	20.3

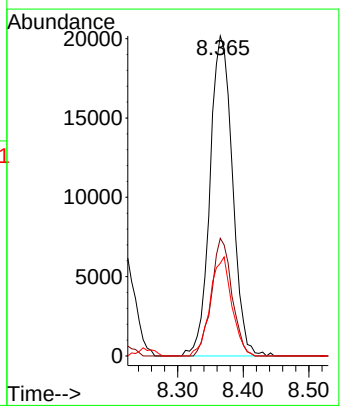


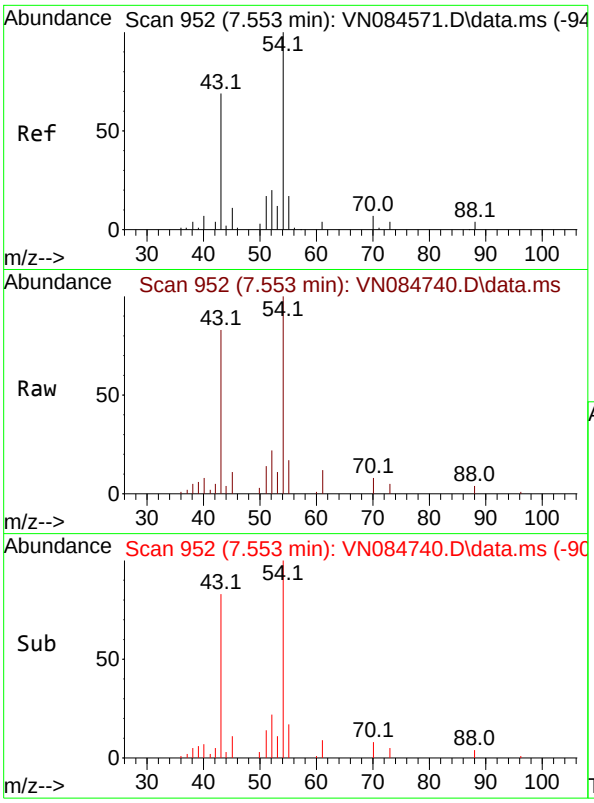


#36
1,1-Dichloropropene
Concen: 17.555 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 47988

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	29.9	24.7	37.1



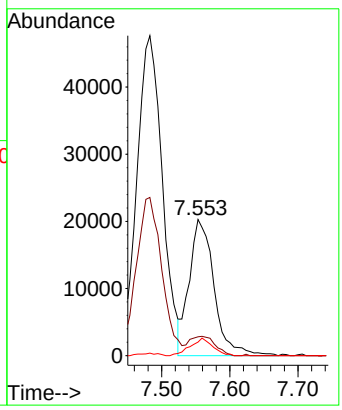


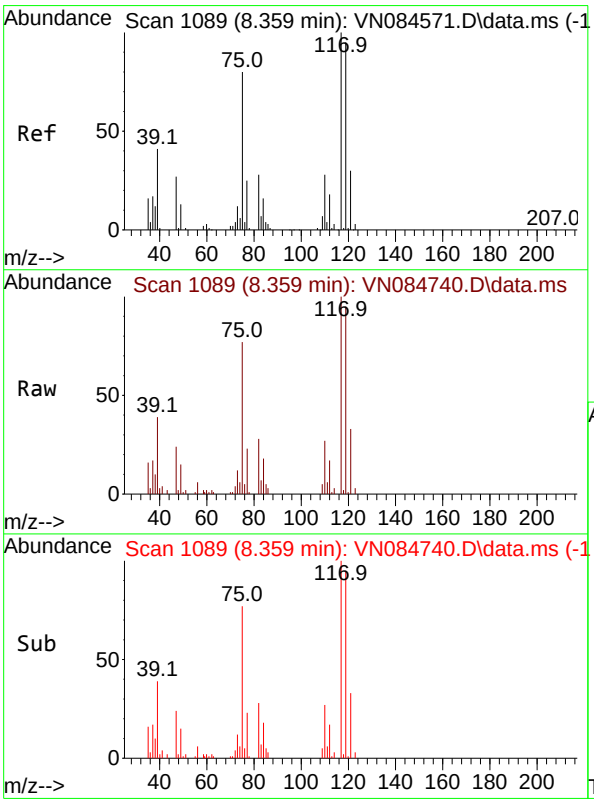
#37
Ethyl Acetate
Concen: 20.810 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 51613

Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.7	16.1
70	11.5	8.8	13.2

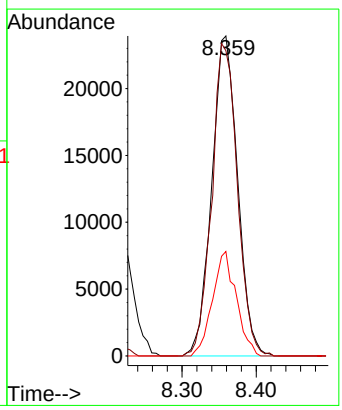


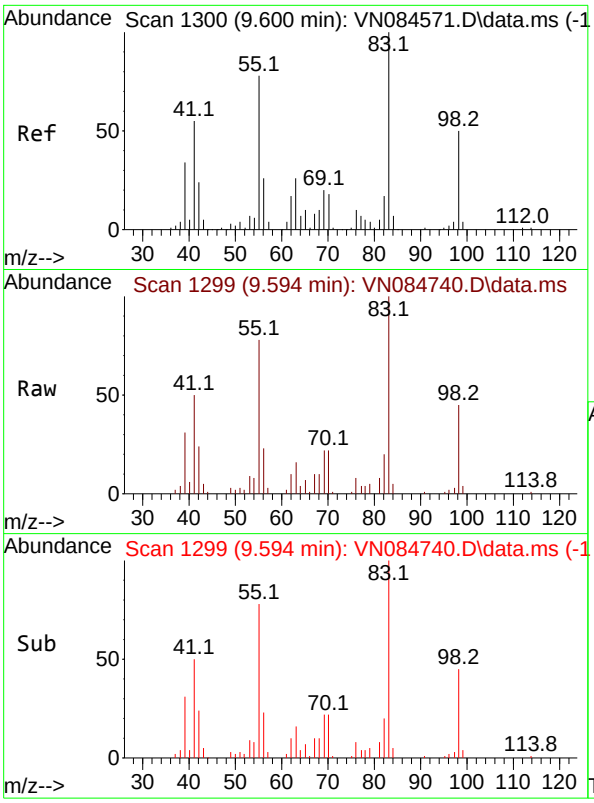


#38
Carbon Tetrachloride
Concen: 18.973 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:117 Resp: 57972

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	32.7	24.4	36.6



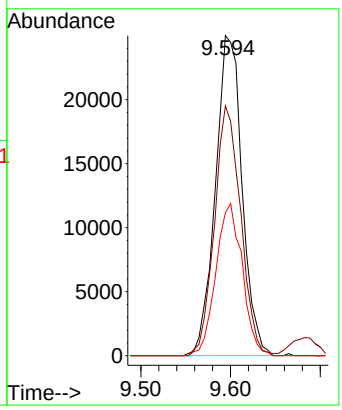


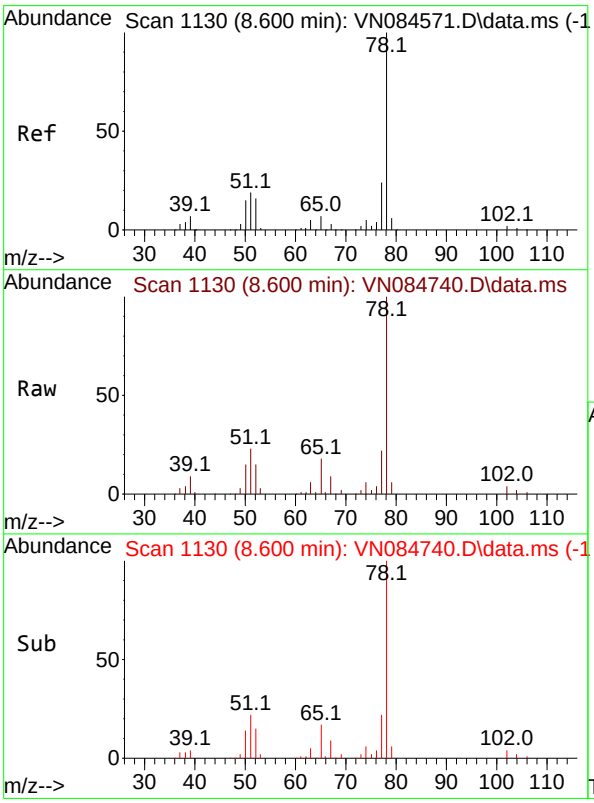
#39
Methylcyclohexane
Concen: 18.523 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 83 Resp: 51512

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	44.6	38.8	58.2

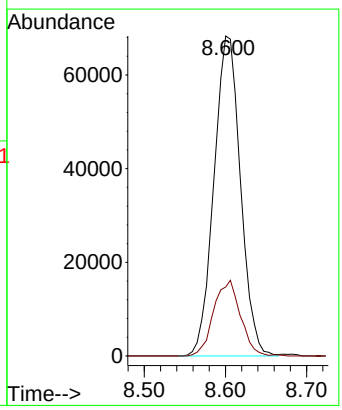


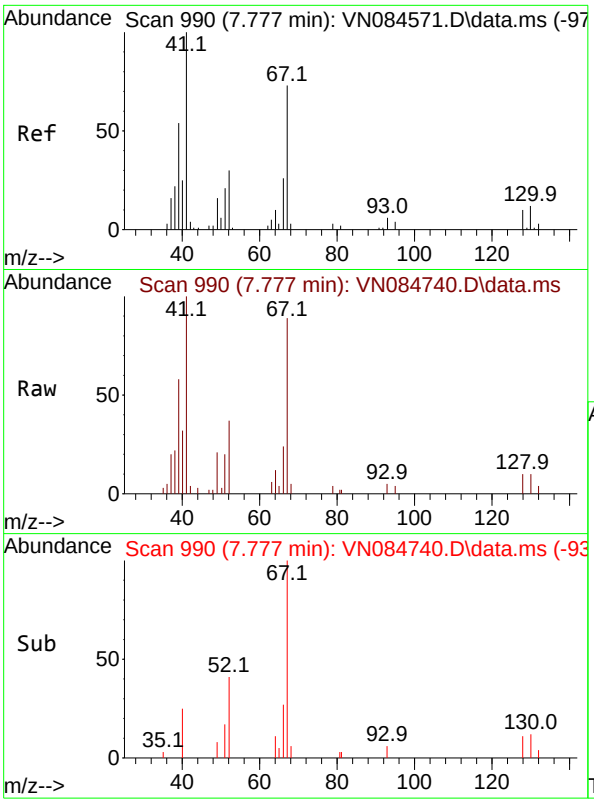


#40
Benzene
Concen: 17.679 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 78 Resp: 155201

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.1	28.7



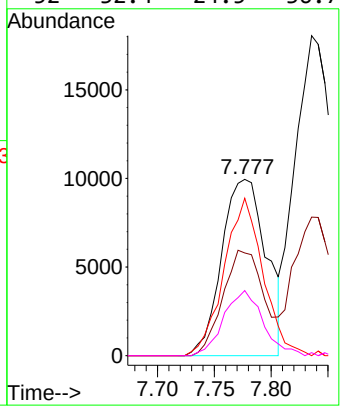


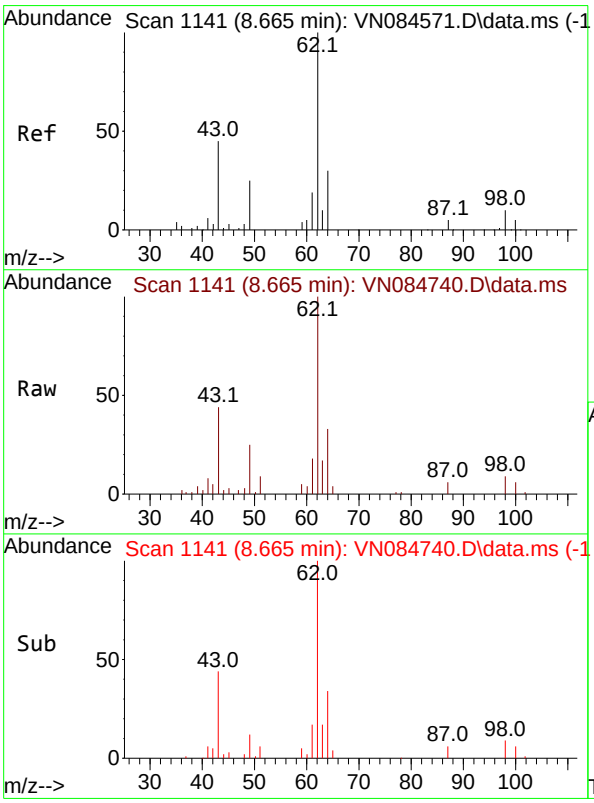
#41
Methacrylonitrile
Concen: 20.418 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 41 Resp: 27233

Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	77.8	56.1	84.1
52	32.4	24.5	36.7

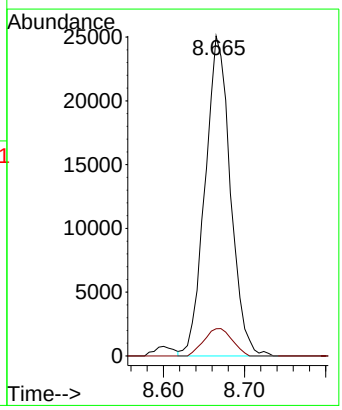


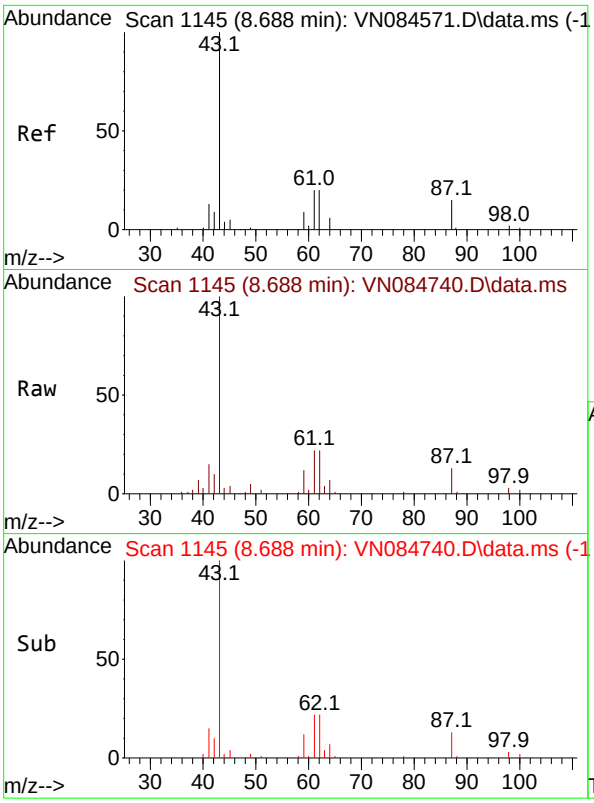


#42
1,2-Dichloroethane
Concen: 19.095 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 62 Resp: 54291

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



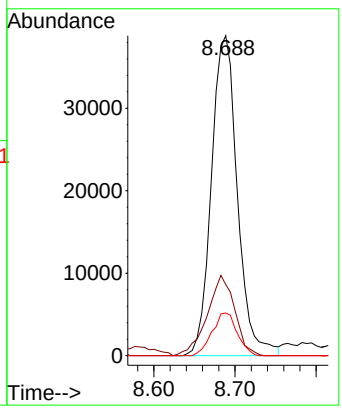


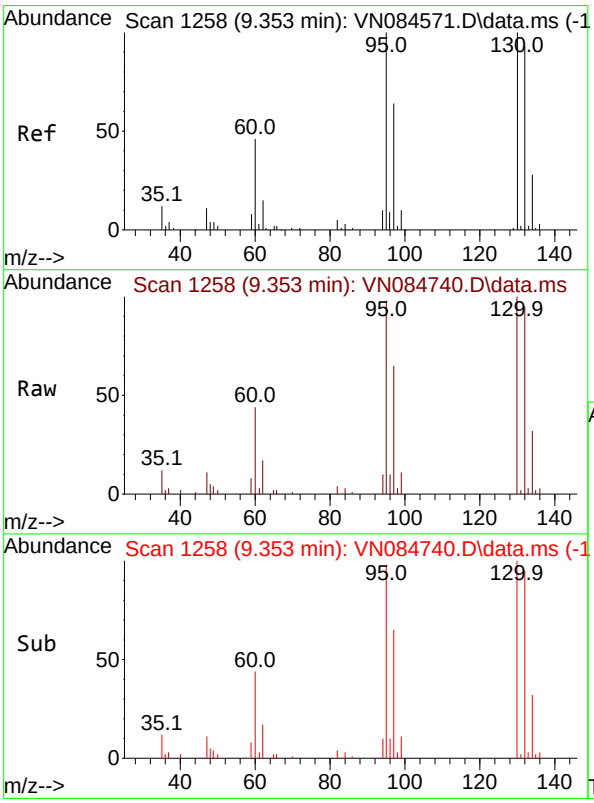
#43
Isopropyl Acetate
Concen: 18.241 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 86390

Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.4	30.6
87	12.9	10.3	15.5

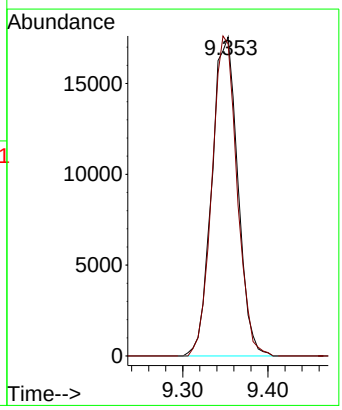


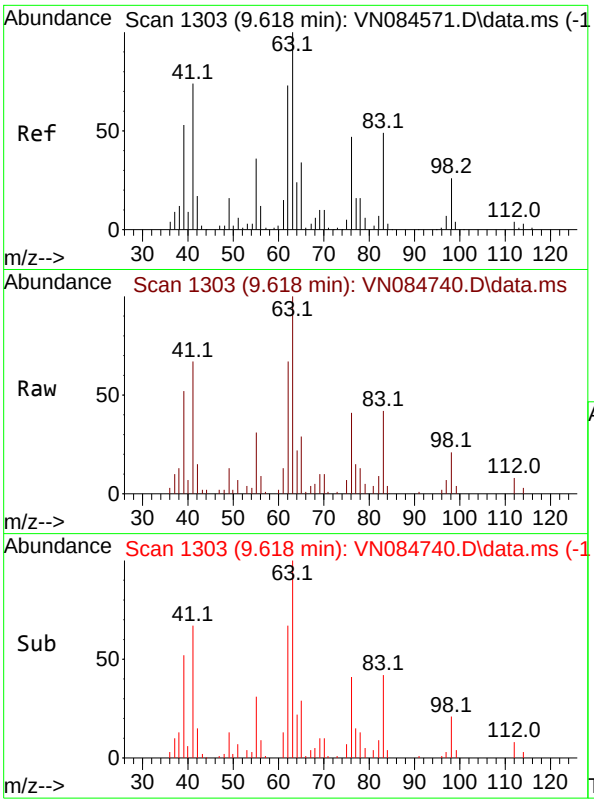


#44
Trichloroethene
Concen: 18.321 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:130 Resp: 37093

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	203.0



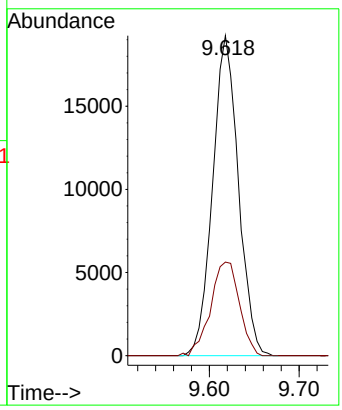


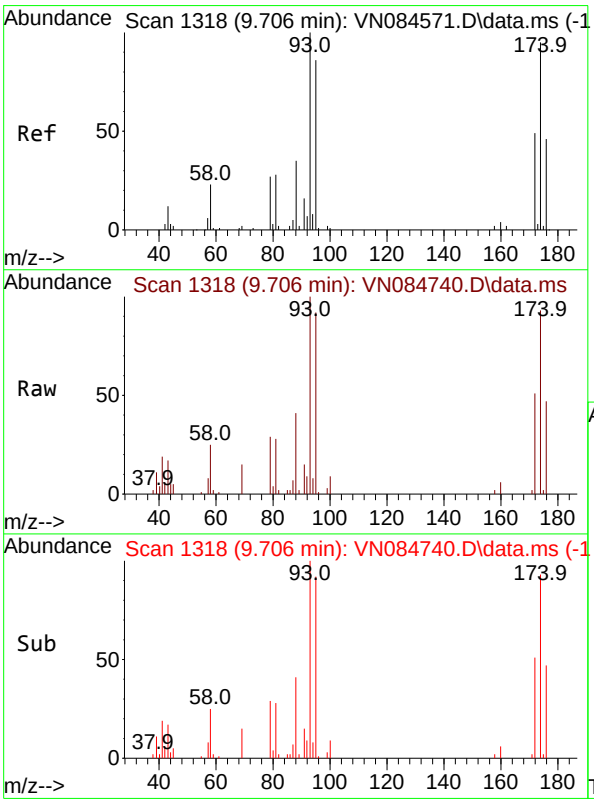
#45
1,2-Dichloropropane
Concen: 18.610 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 63 Resp: 38326

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.6	37.0

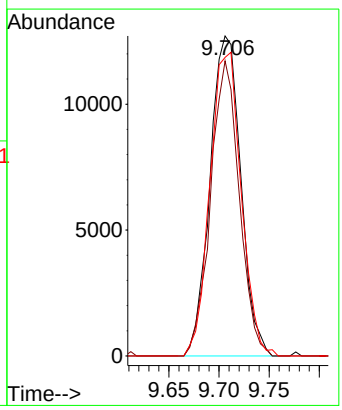


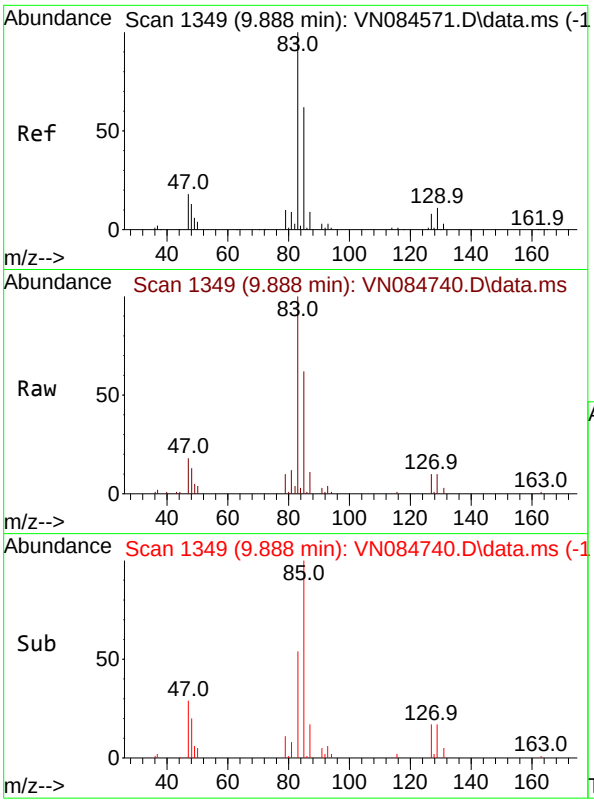


#46
Dibromomethane
Concen: 18.679 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 93 Resp: 27144

Ion	Ratio	Lower	Upper
93	100		
95	86.0	65.0	97.4
174	96.2	71.8	107.8



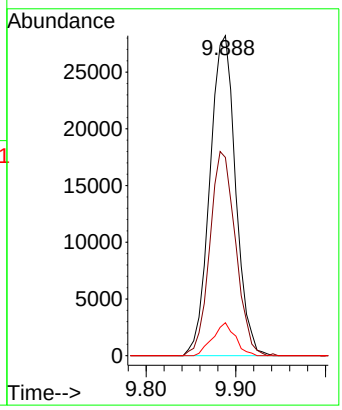


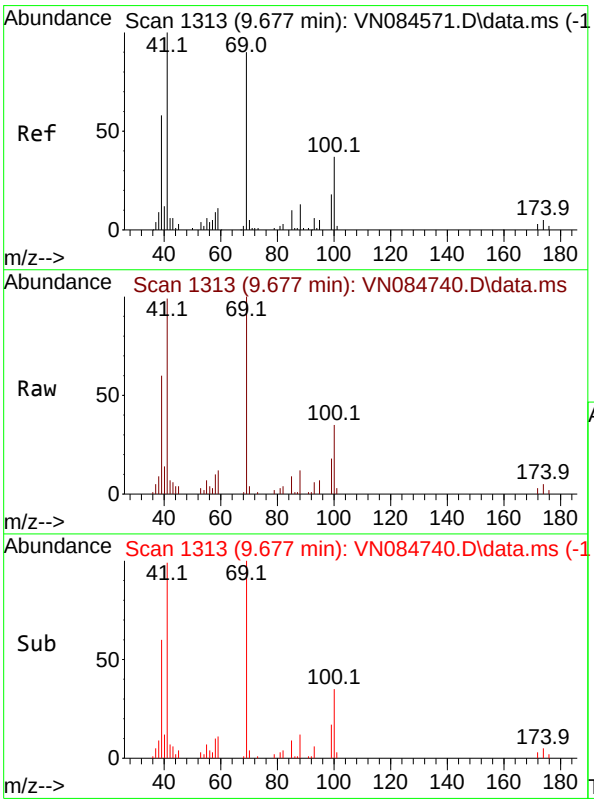
#47
Bromodichloromethane
Concen: 18.343 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 83 Resp: 56189

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.5	77.3
127	10.3	5.7	8.5#

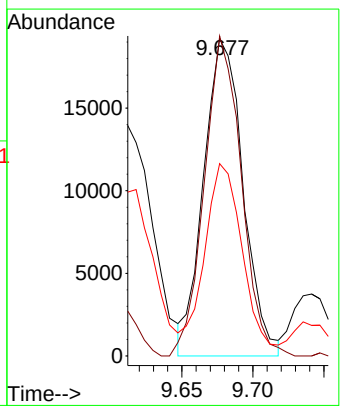


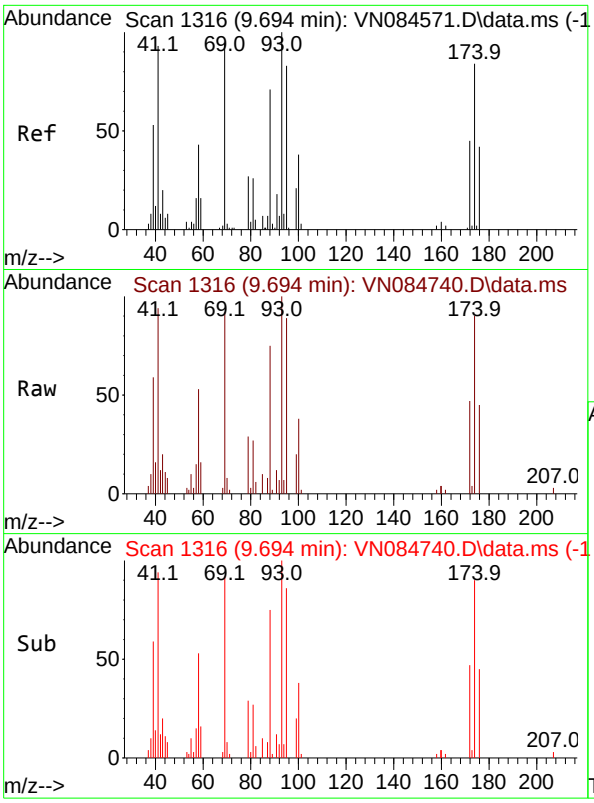


#48
Methyl methacrylate
Concen: 19.239 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 41 Resp: 37137

Ion	Ratio	Lower	Upper
41	100		
69	94.4	67.1	100.7
39	58.7	45.8	68.6



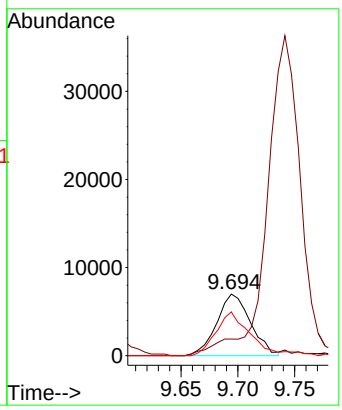


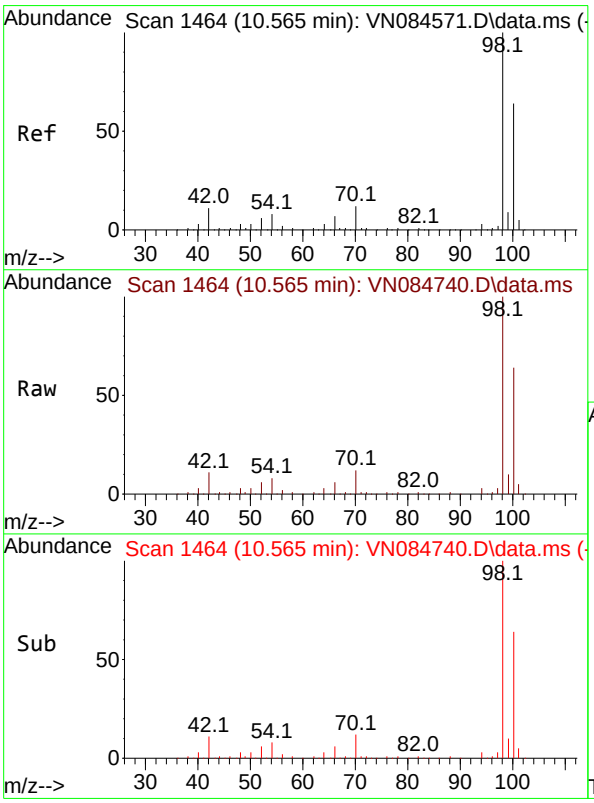
#49
1,4-Dioxane
Concen: 424.079 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 88 Resp: 14506

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.5	56.4	84.6

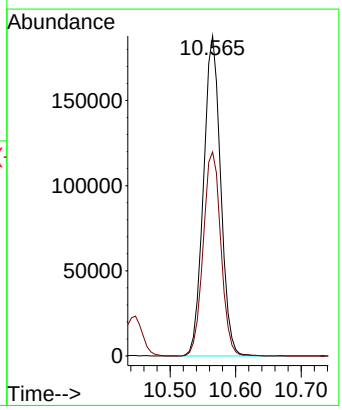


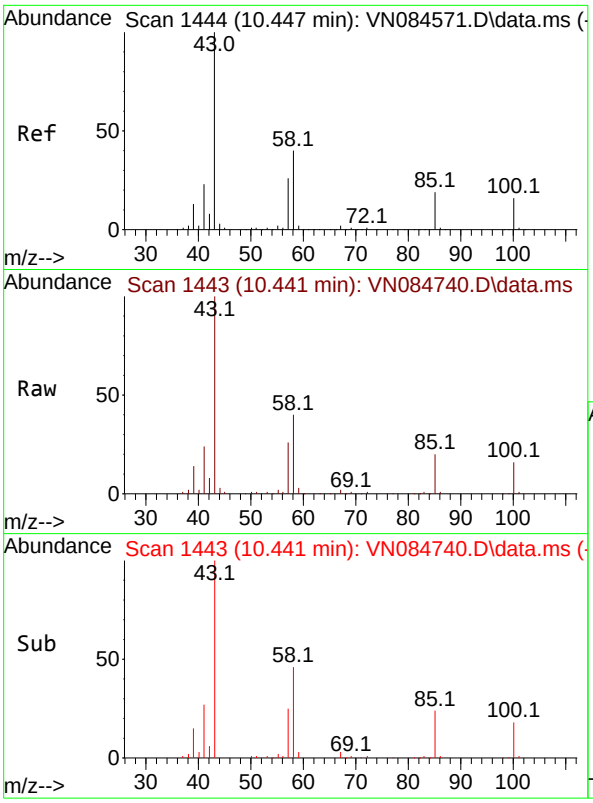


#50
Toluene-d8
Concen: 47.072 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 98 Resp: 341782

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1



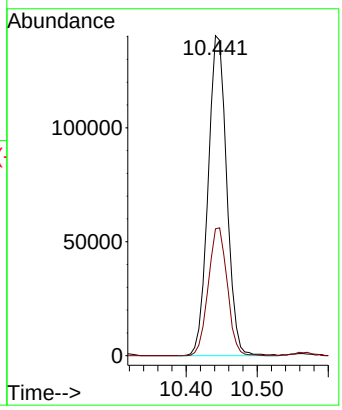


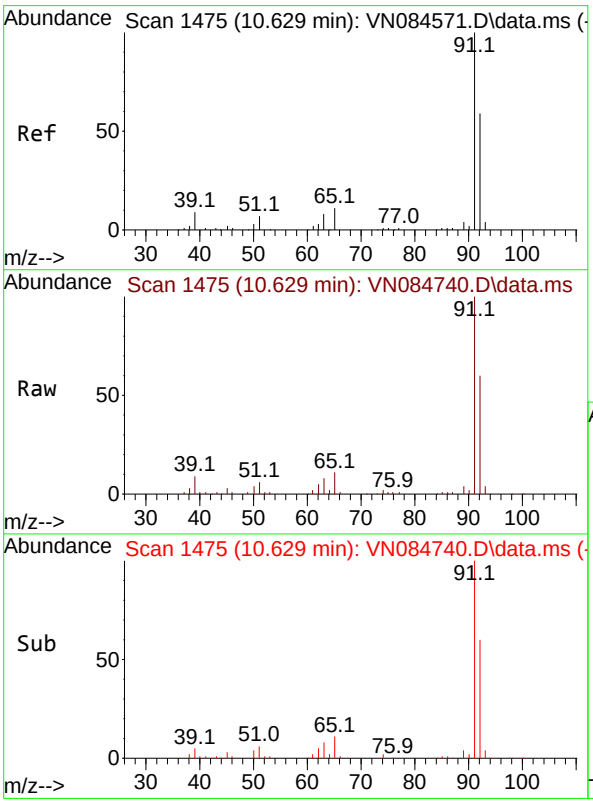
#51
4-Methyl-2-Pentanone
Concen: 108.170 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 255755

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4

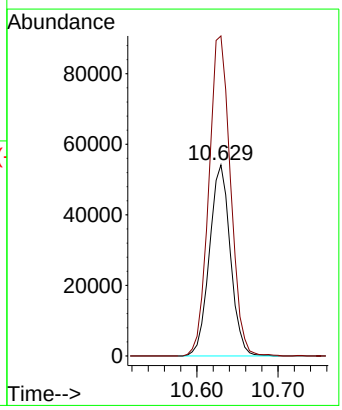


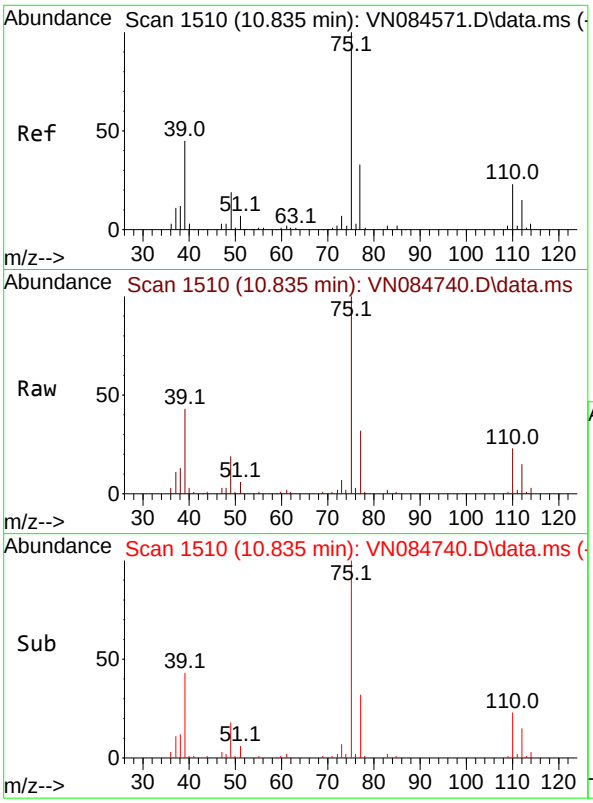


#52
Toluene
Concen: 18.857 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 92 Resp: 96819

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.3	205.9



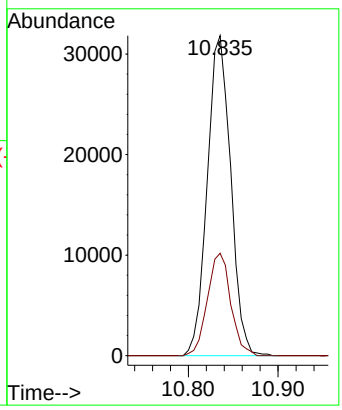


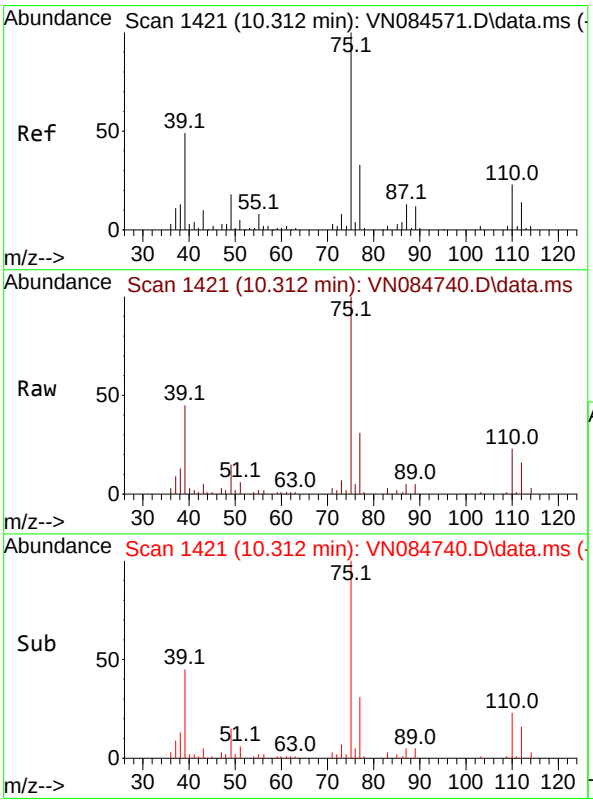
#53
t-1,3-Dichloropropene
Concen: 18.200 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 75 Resp: 57707

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

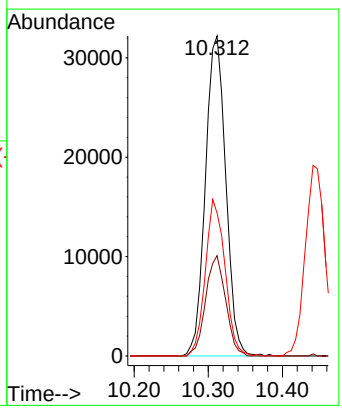


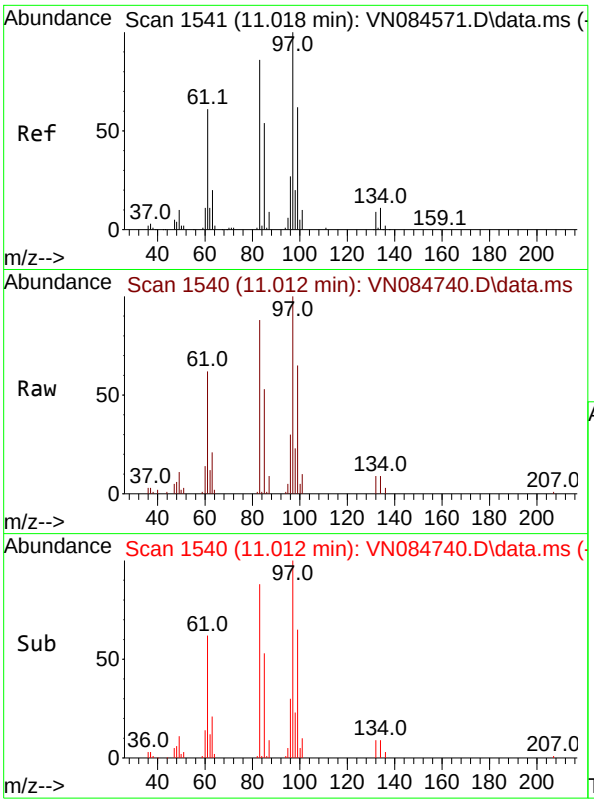


#54
cis-1,3-Dichloropropene
Concen: 18.325 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 61498

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.2	36.2
39	44.7	38.7	58.1



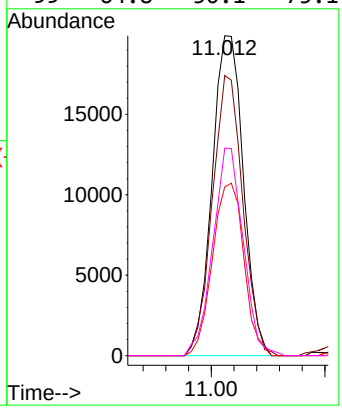


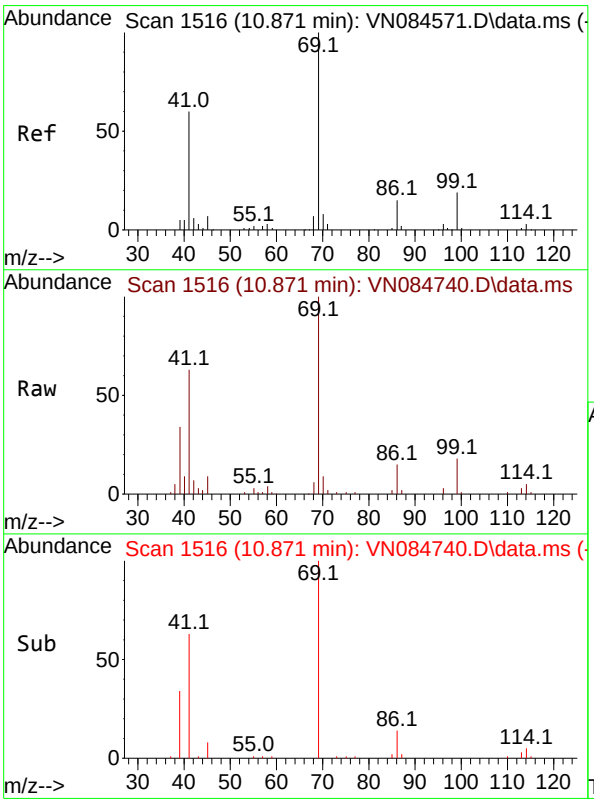
#55
1,1,2-Trichloroethane
Concen: 19.585 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 97 Resp: 37879

Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.0	106.4
85	52.7	41.7	62.5
99	64.8	50.1	75.1

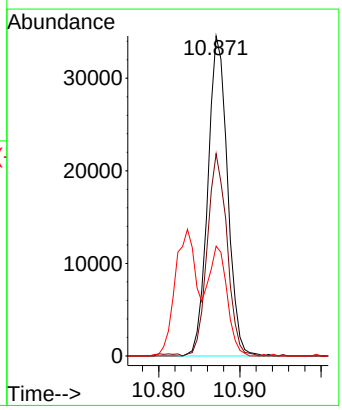


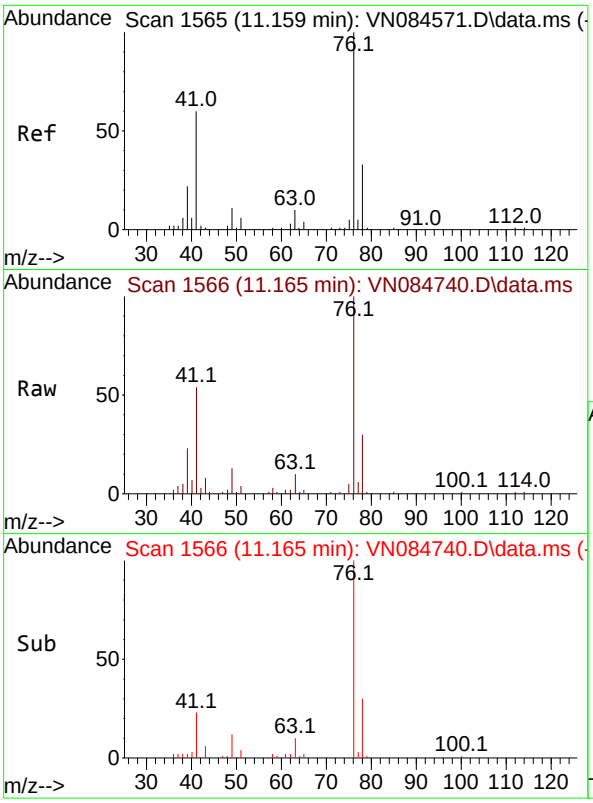


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 69 Resp: 58163

Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.3	79.9
39	33.0	28.8	43.2



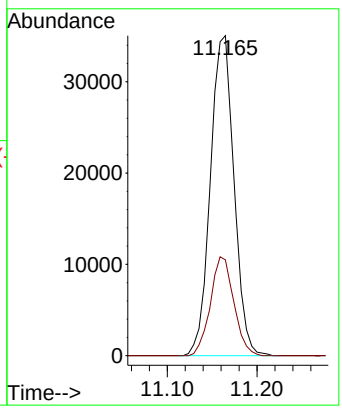


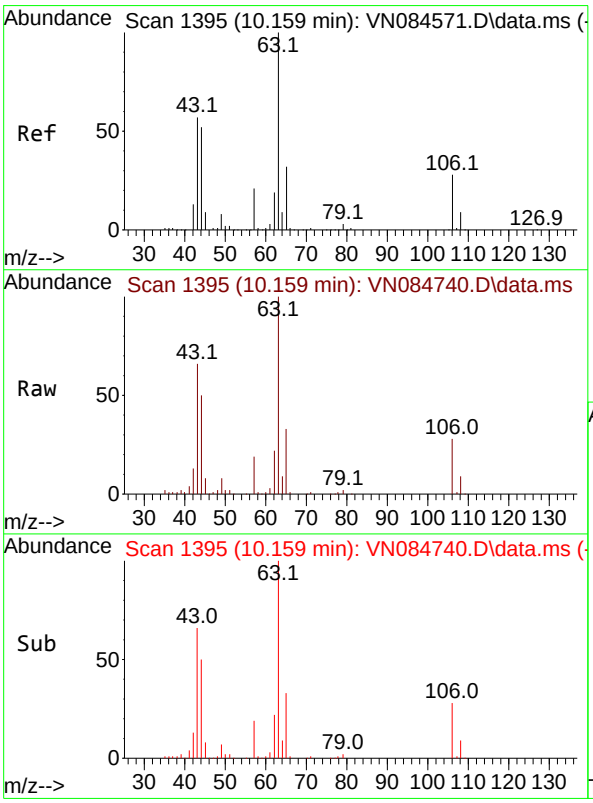
#57
1,3-Dichloropropane
Concen: 19.294 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 76 Resp: 64044

Ion	Ratio	Lower	Upper
76	100		
78	30.6	25.8	38.6

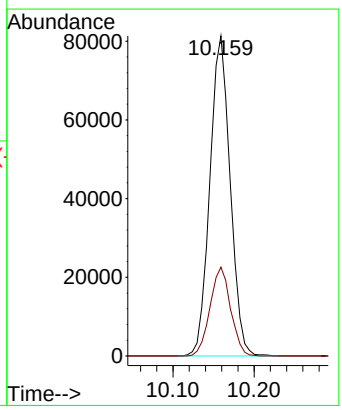


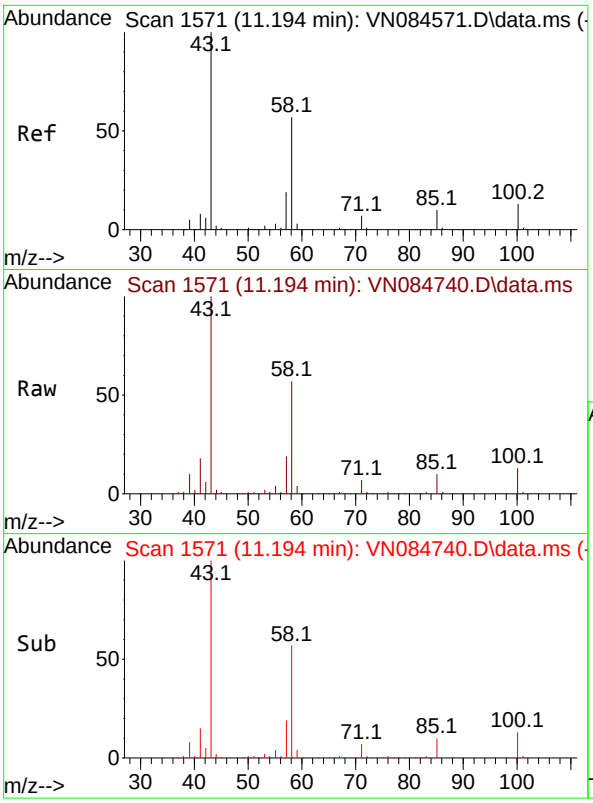


#58
2-Chloroethyl Vinyl ether
Concen: 107.944 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 63 Resp: 141306

Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.6



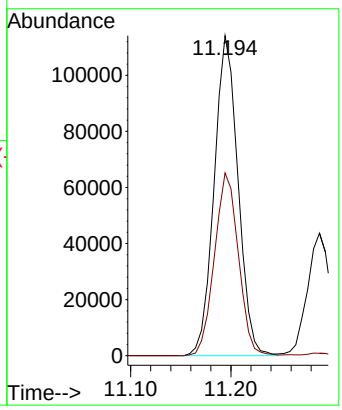


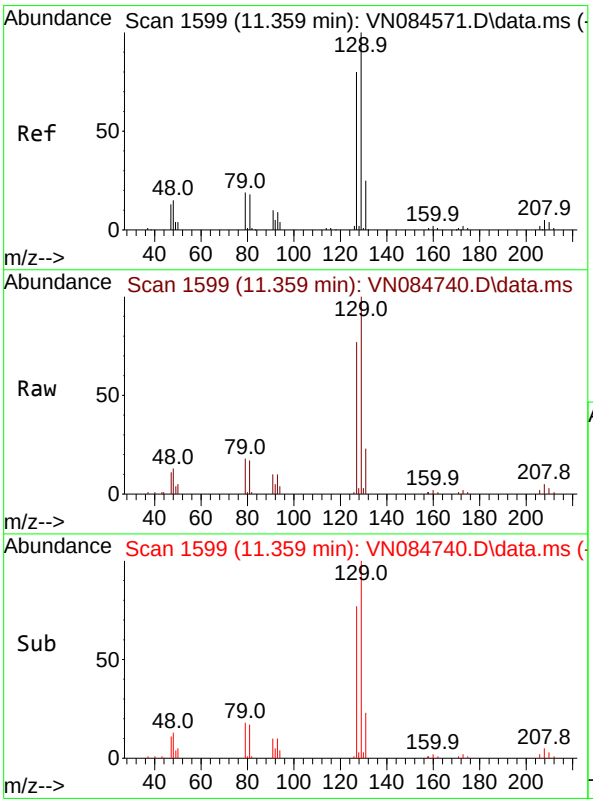
#59
2-Hexanone
Concen: 109.482 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 43 Resp: 188419

Ion	Ratio	Lower	Upper
43	100		
58	57.4	27.3	81.8

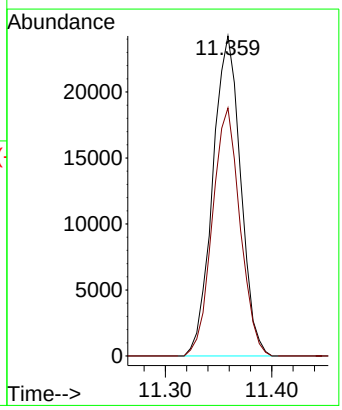


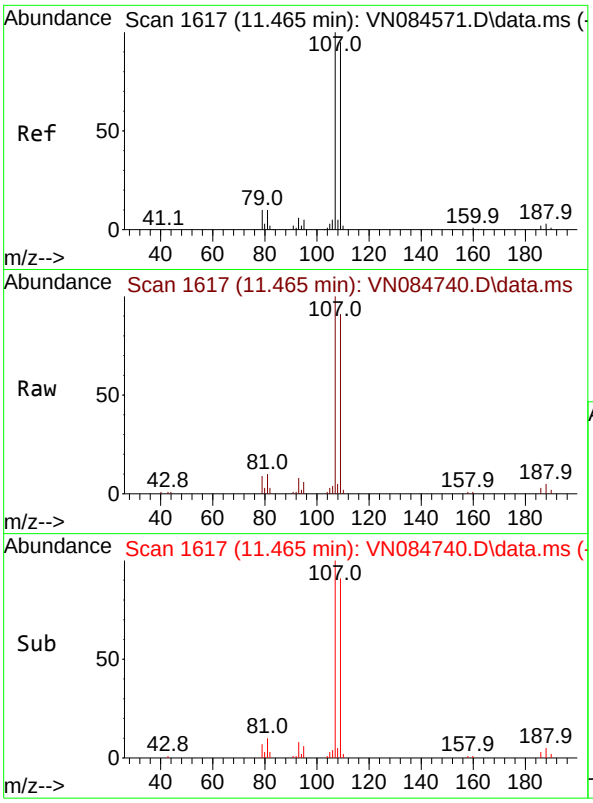


#60
Dibromochloromethane
Concen: 20.022 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:129 Resp: 44133

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9



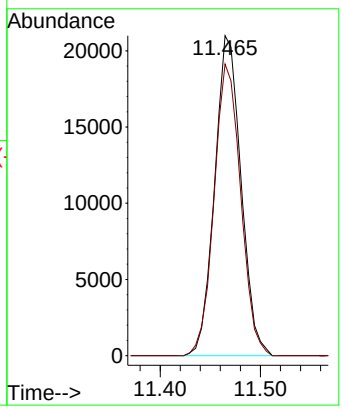


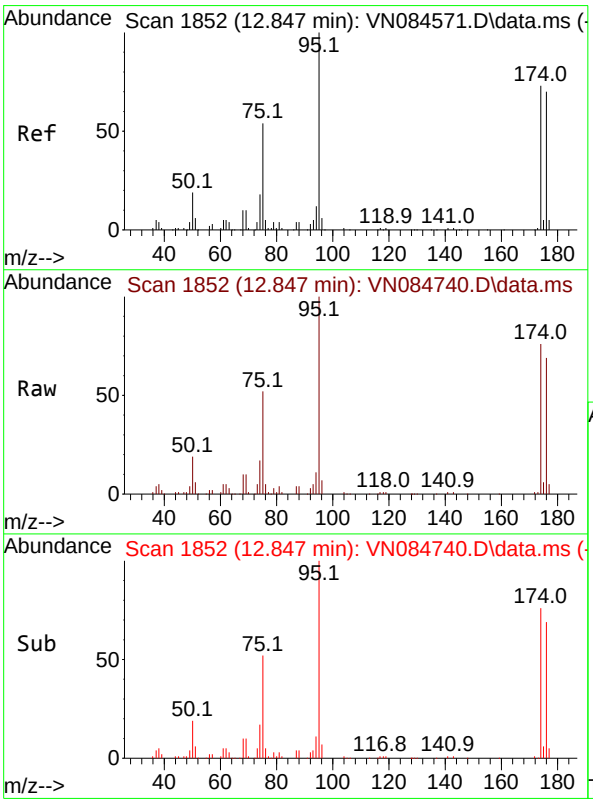
#61
1,2-Dibromoethane
Concen: 19.336 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:107 Resp: 38295

Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.4	113.0

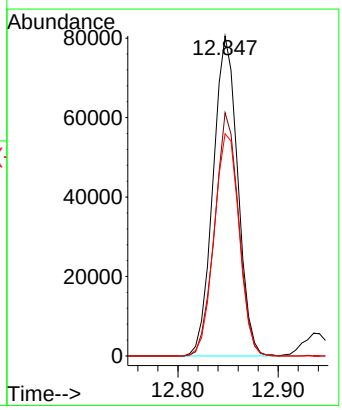


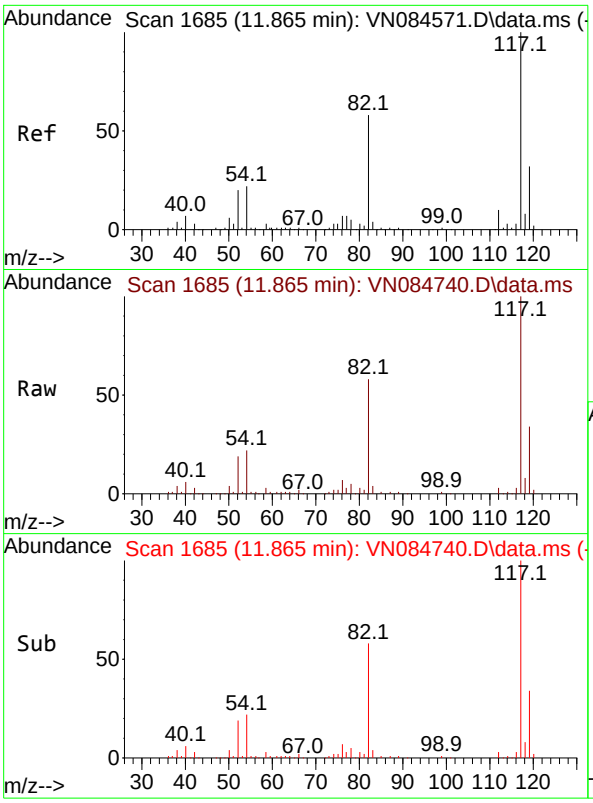


#62
4-Bromofluorobenzene
Concen: 50.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 95 Resp: 137305

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	70.9	0.0	140.0



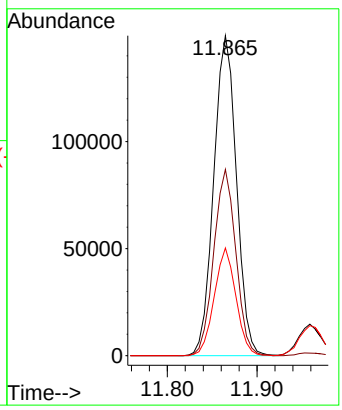


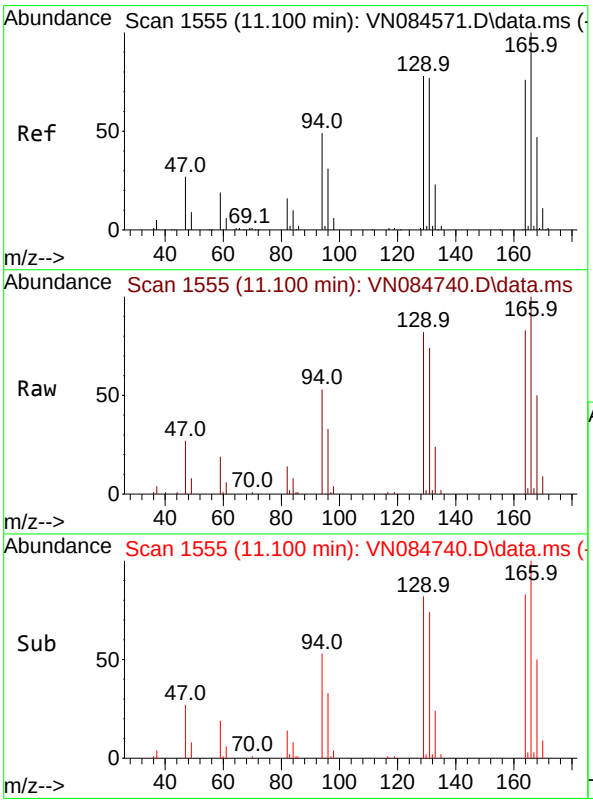
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:117 Resp: 262615

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	33.6	25.4	38.0

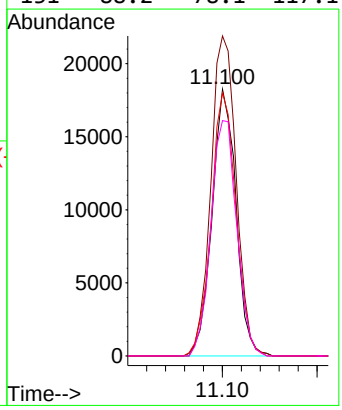


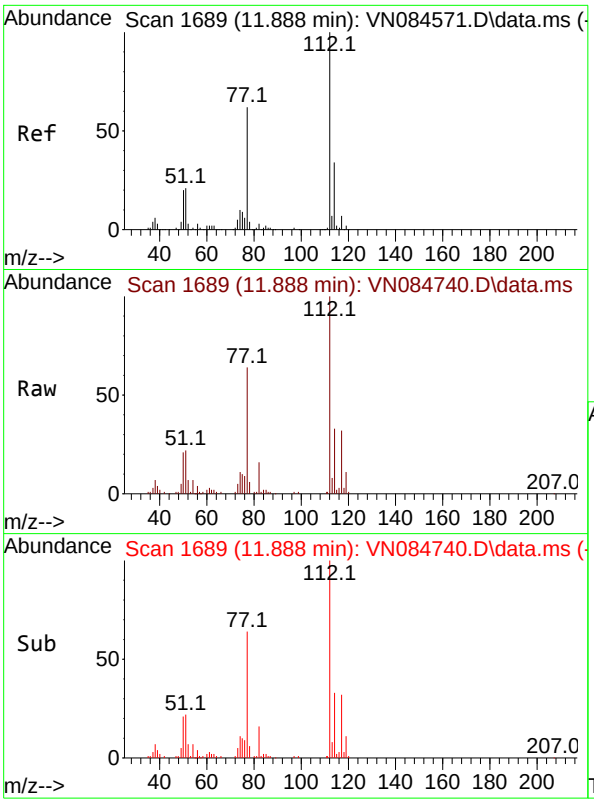


#64
Tetrachloroethene
Concen: 18.289 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:164 Resp: 31948

Ion	Ratio	Lower	Upper
164	100		
166	119.9	101.0	151.4
129	98.6	80.8	121.2
131	88.2	78.1	117.1



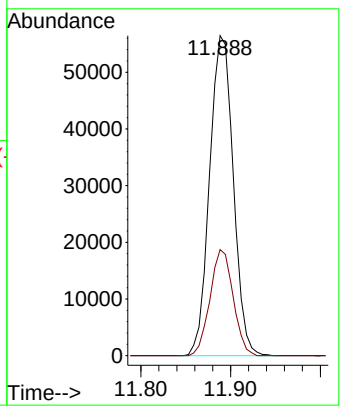


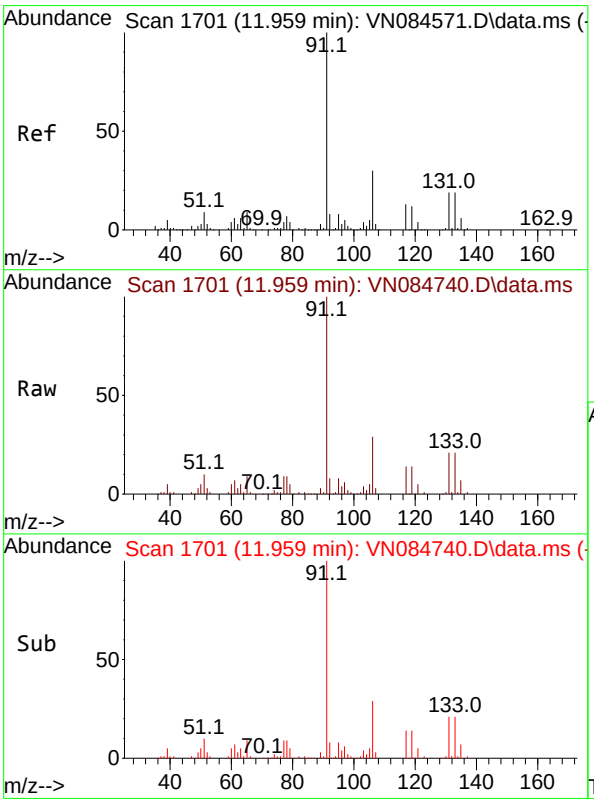
#65
Chlorobenzene
Concen: 17.596 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:112 Resp: 103377

Ion	Ratio	Lower	Upper
112	100		
114	33.1	27.0	40.6

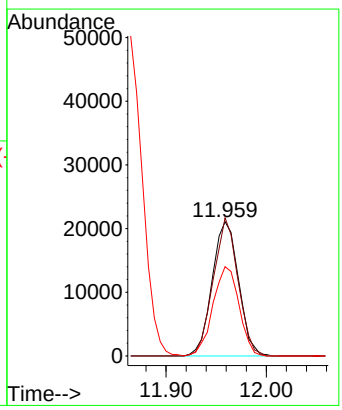


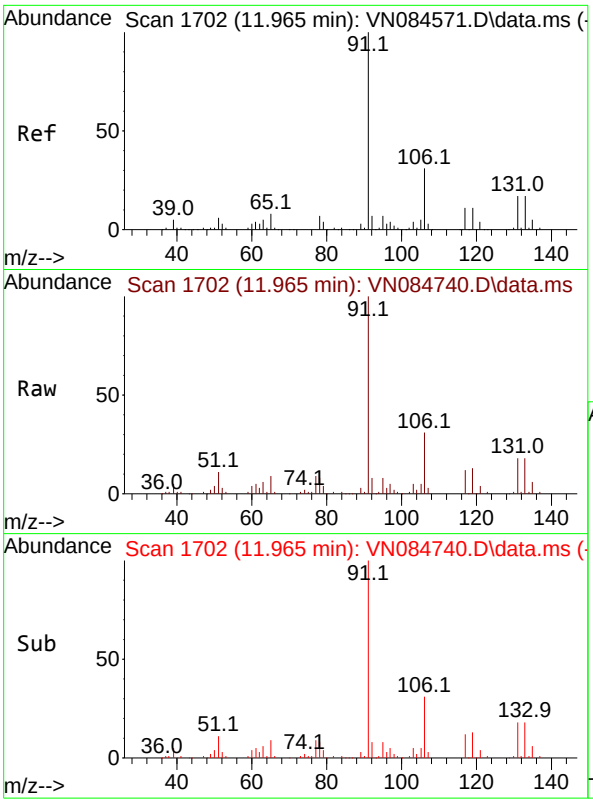


#66
1,1,1,2-Tetrachloroethane
Concen: 18.839 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:131 Resp: 38498

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.7
119	65.7	32.8	98.3



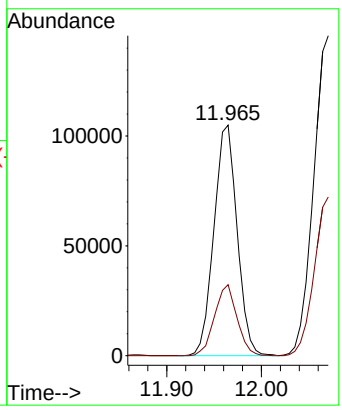


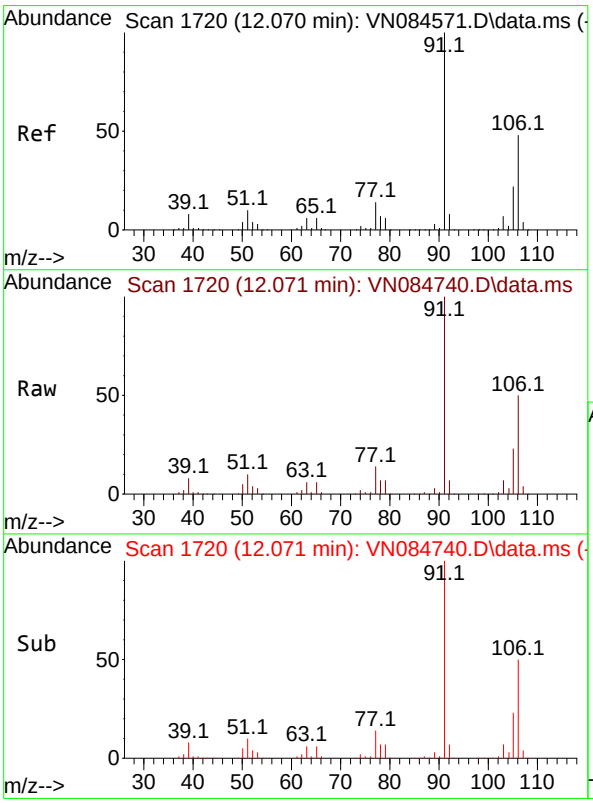
#67
Ethyl Benzene
Concen: 18.206 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 91 Resp: 178544

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

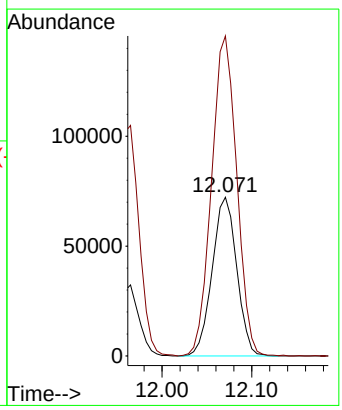


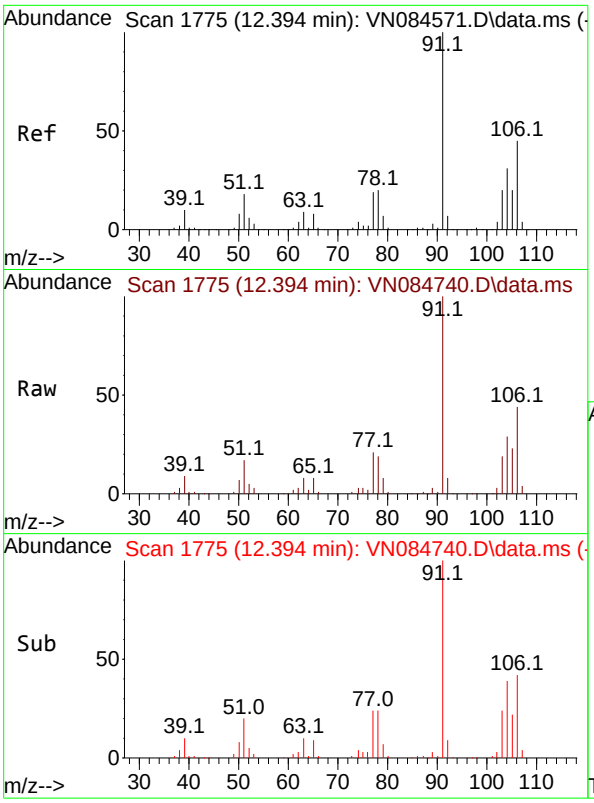


#68
m/p-Xylenes
Concen: 36.948 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:106 Resp: 137179

Ion	Ratio	Lower	Upper
106	100		
91	207.1	167.1	250.7



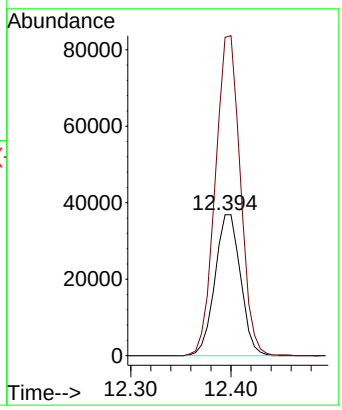


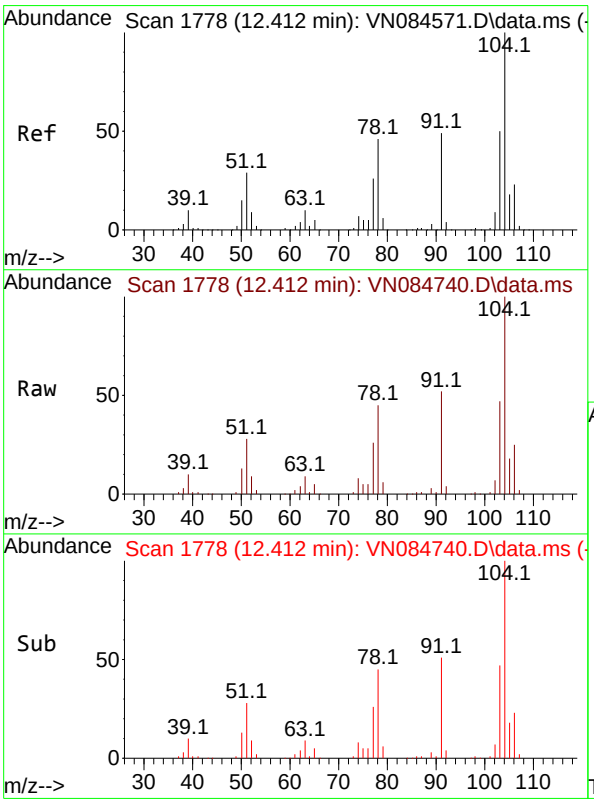
#69
o-Xylene
Concen: 18.820 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:106 Resp: 65367

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6

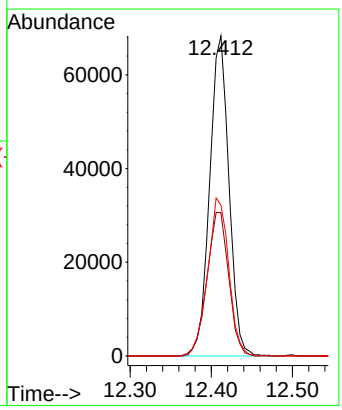


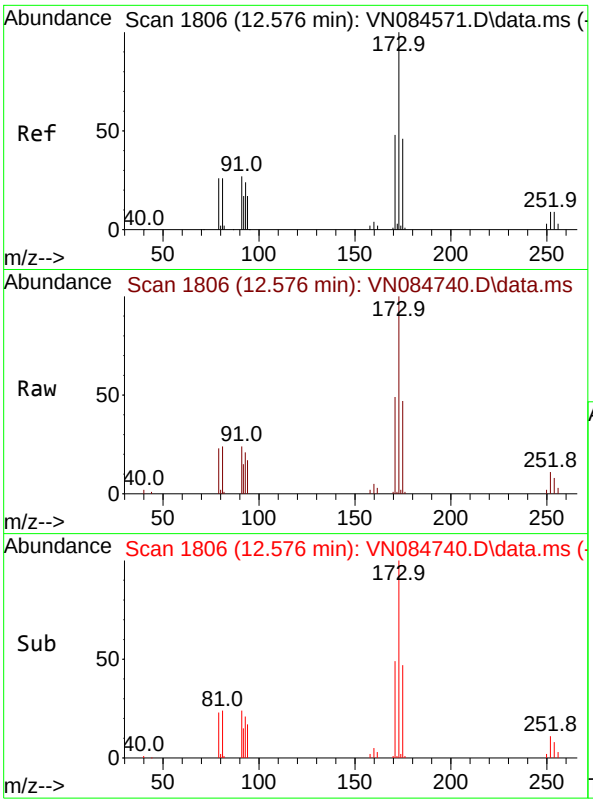


#70
Styrene
Concen: 18.596 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:104 Resp: 112670

Ion	Ratio	Lower	Upper
104	100		
78	50.6	42.7	64.1
103	53.9	43.6	65.4



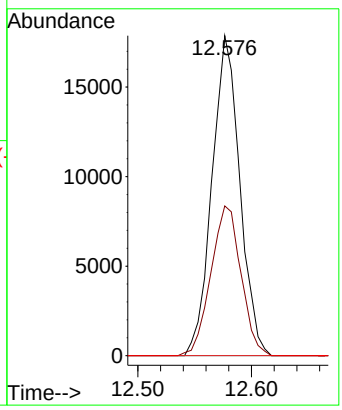


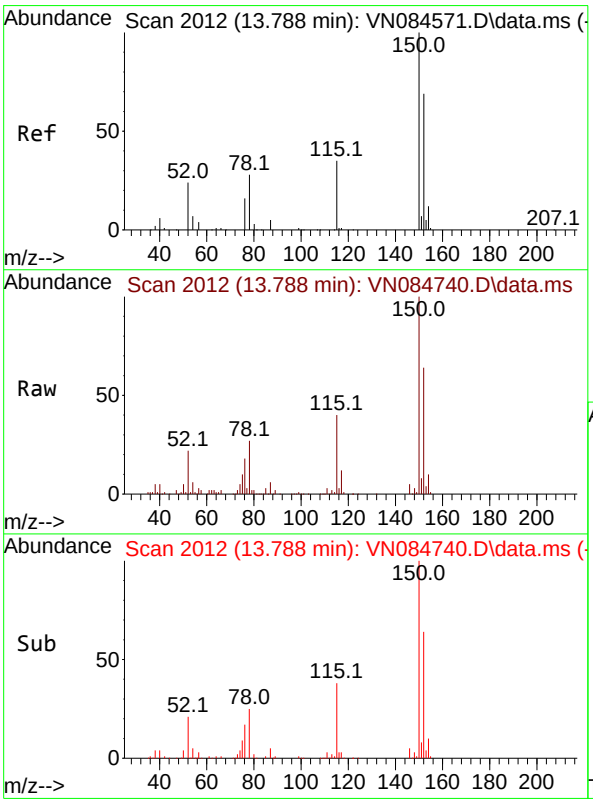
#71
Bromoform
Concen: 19.760 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:173 Resp: 30386

Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0

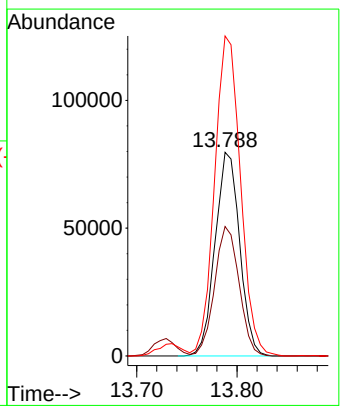


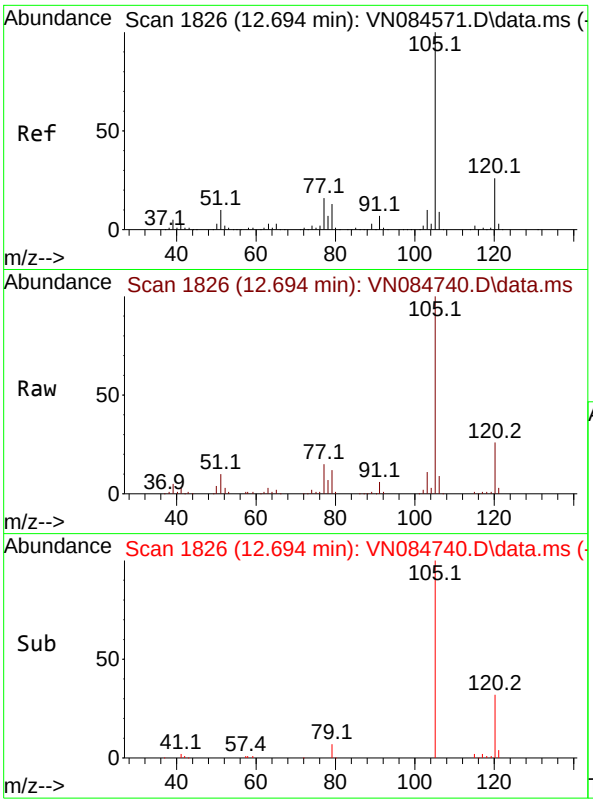


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:152 Resp: 135553

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	165.5	0.0	349.8



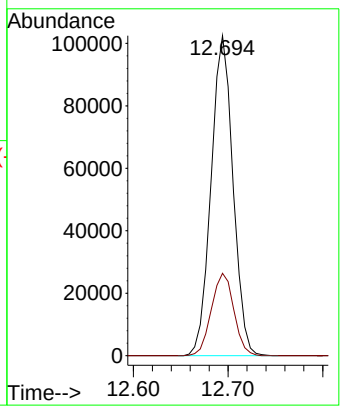


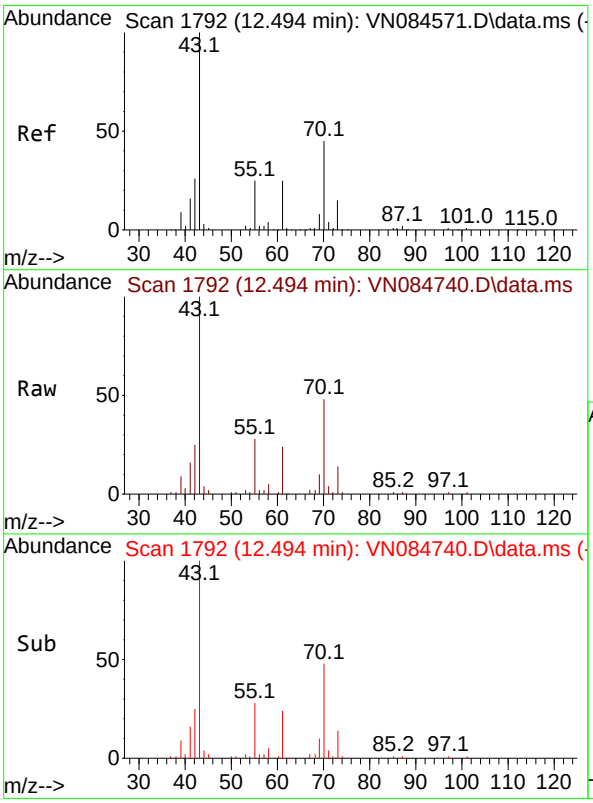
#73
Isopropylbenzene
Concen: 17.362 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:105 Resp: 164923

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.7

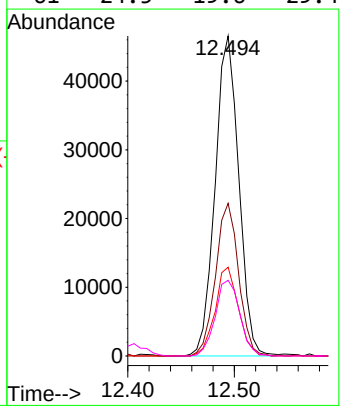


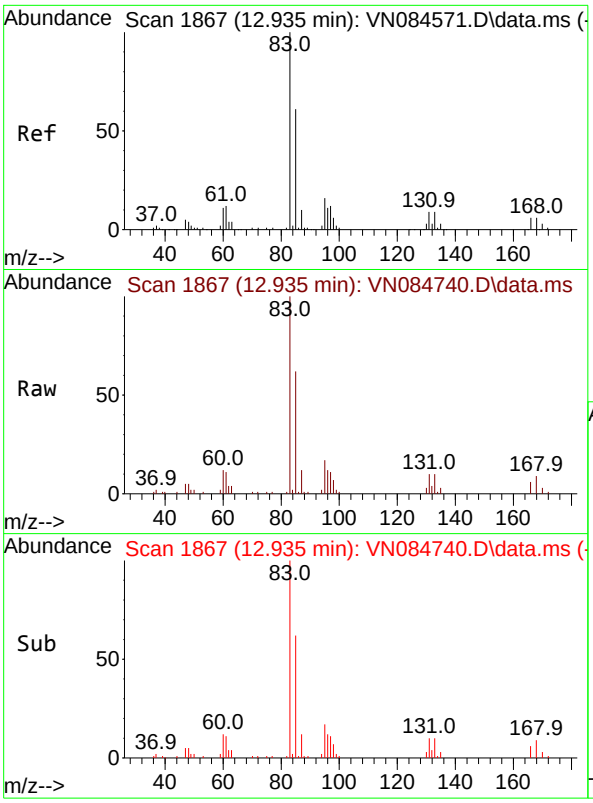


#74
N-amyl acetate
Concen: 17.751 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 43 Resp: 71767

Ion	Ratio	Lower	Upper
43	100		
70	46.5	34.4	51.6
55	27.3	19.6	29.4
61	24.5	19.6	29.4



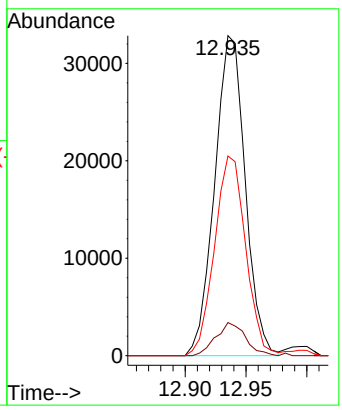


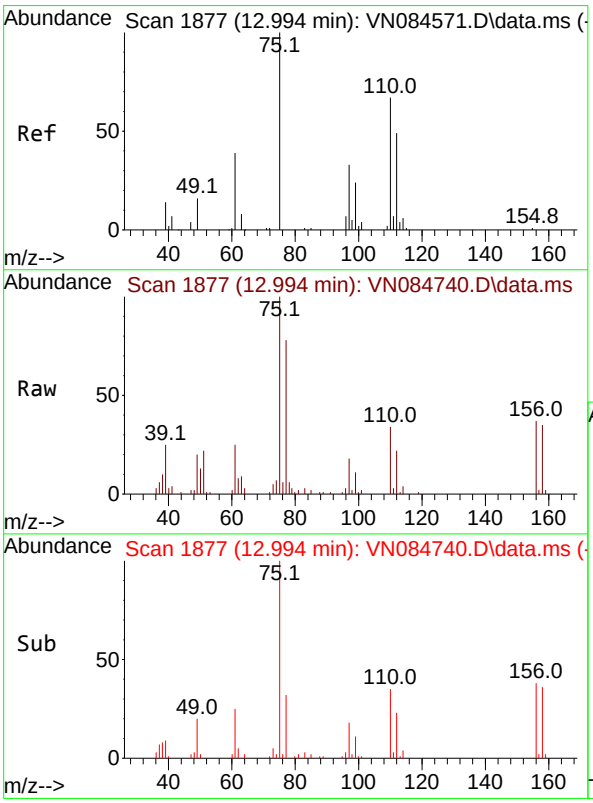
#75
1,1,2,2-Tetrachloroethane
Concen: 18.101 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 83 Resp: 57392

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.4	31.9	95.7

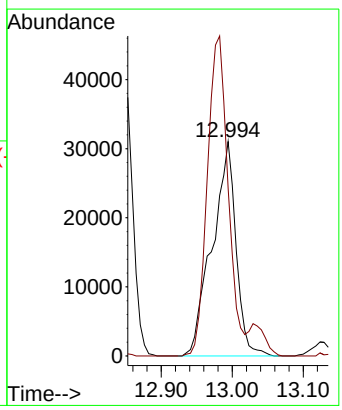


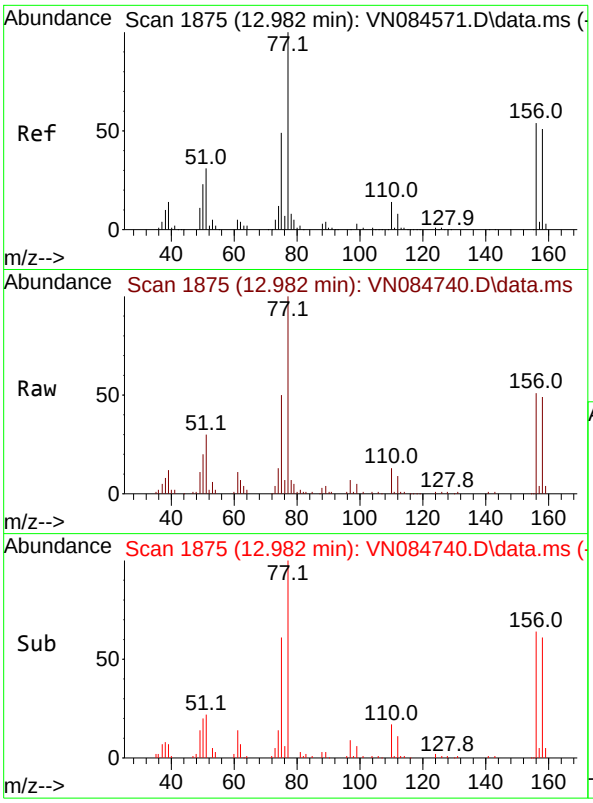


#76
1,2,3-Trichloropropane
Concen: 26.665 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 72252

Ion	Ratio	Lower	Upper
75	100		
77	129.9	96.9	290.7



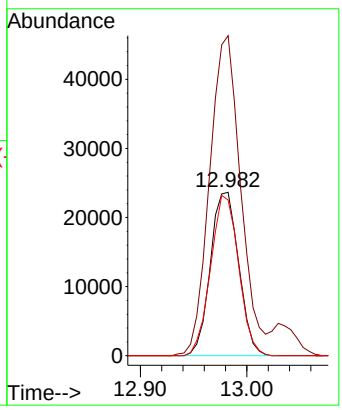


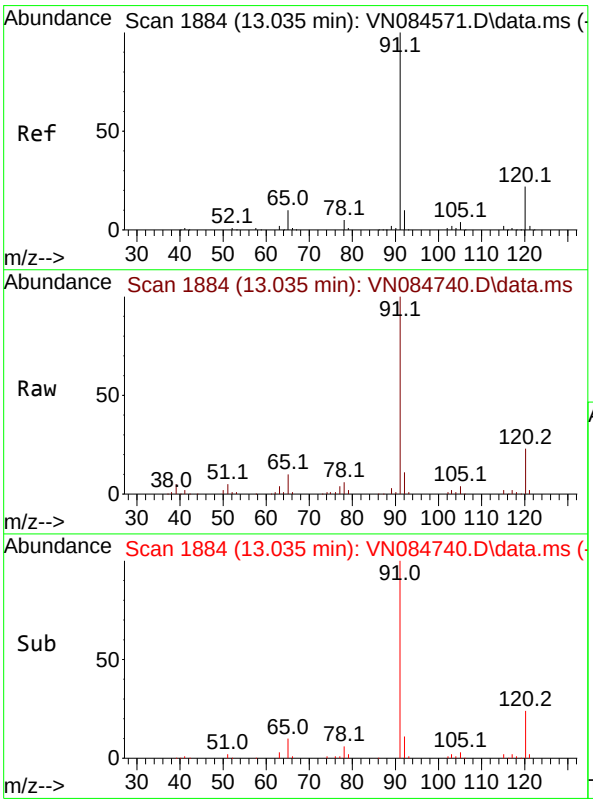
#77
Bromobenzene
Concen: 17.064 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:156 Resp: 43577

Ion	Ratio	Lower	Upper
156	100		
77	215.3	115.1	345.3
158	97.0	48.9	146.8

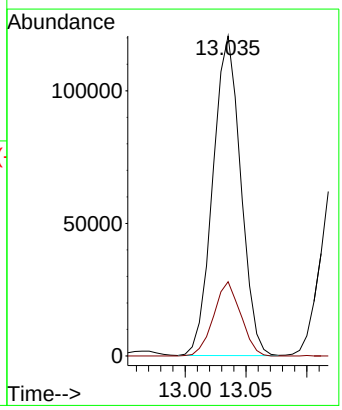


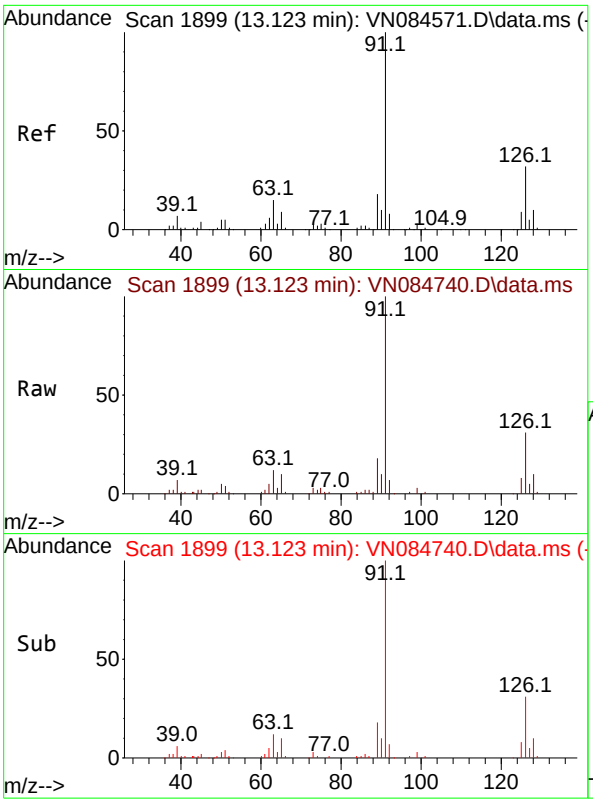


#78
n-propylbenzene
Concen: 17.213 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 191605

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4



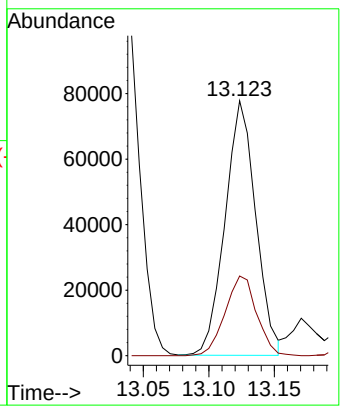


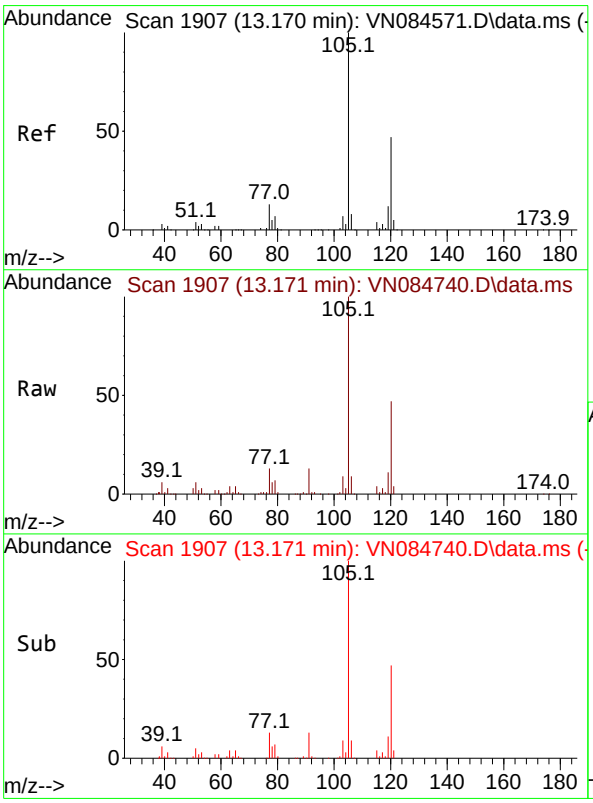
#79
2-Chlorotoluene
Concen: 17.419 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 91 Resp: 126696

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

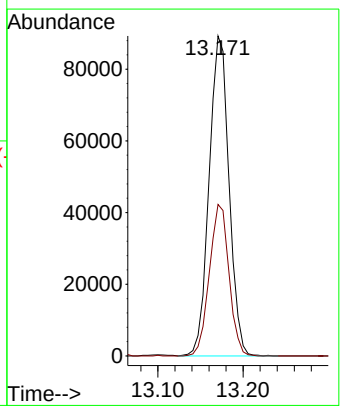


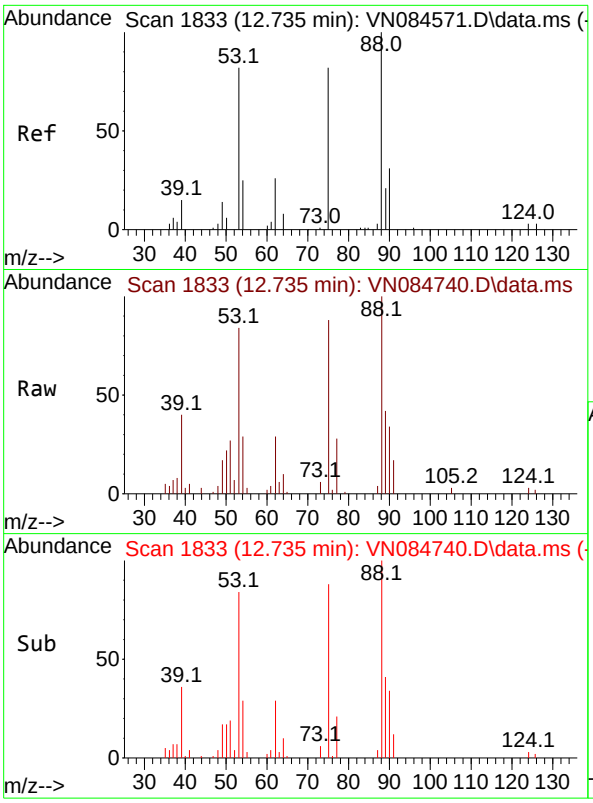


#80
1,3,5-Trimethylbenzene
Concen: 18.367 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 144609

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.7	71.1



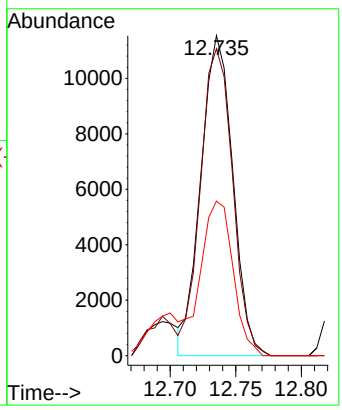


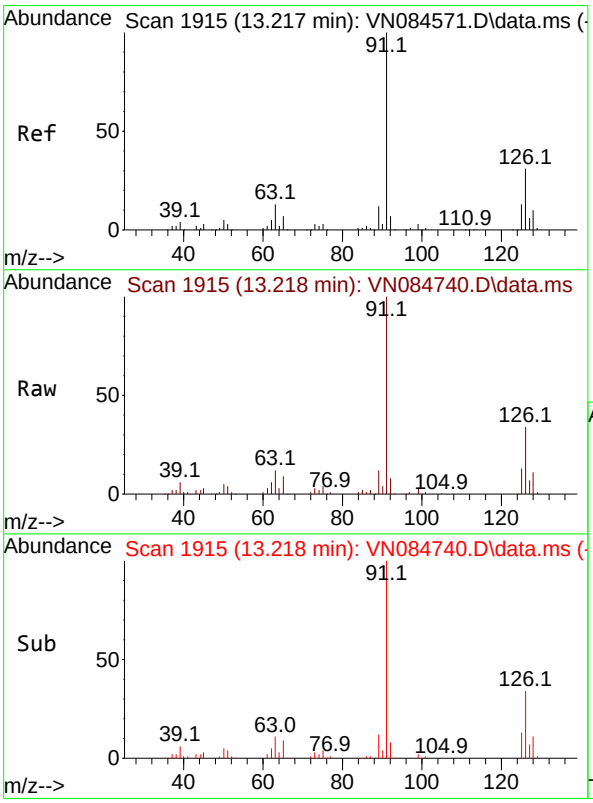
#81
trans-1,4-Dichloro-2-butene
Concen: 17.126 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 75 Resp: 19561

Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.0	117.0
89	49.9	35.5	53.3

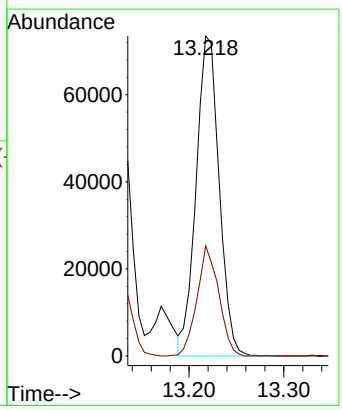


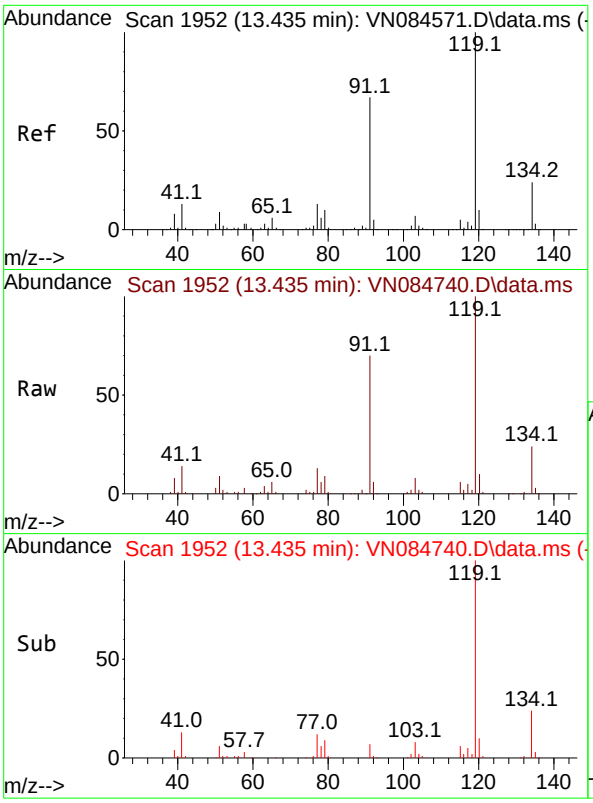


#82
4-Chlorotoluene
Concen: 16.242 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 91 Resp: 124322

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



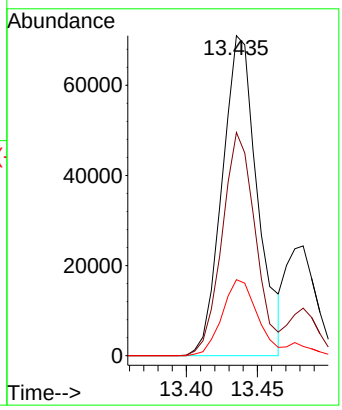


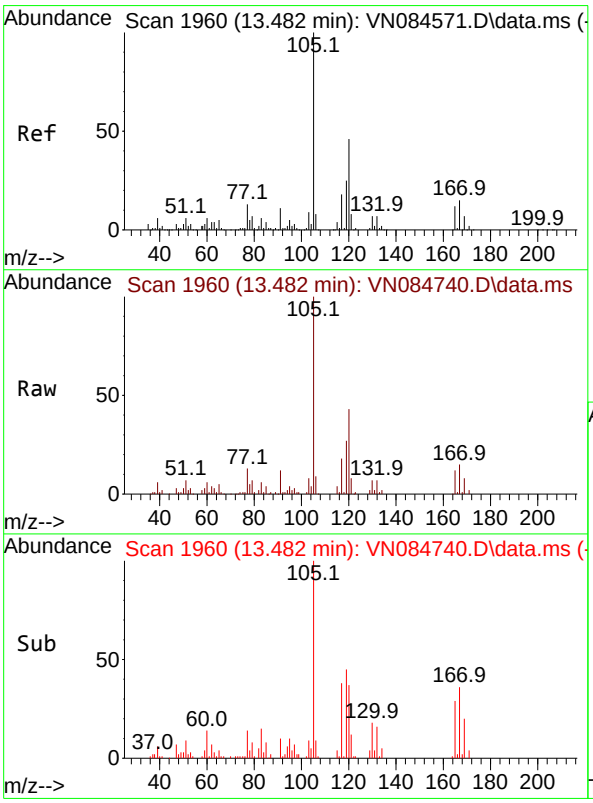
#83
tert-Butylbenzene
Concen: 18.827 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:119 Resp: 122675

Ion	Ratio	Lower	Upper
119	100		
91	66.4	34.1	102.3
134	24.2	12.8	38.4

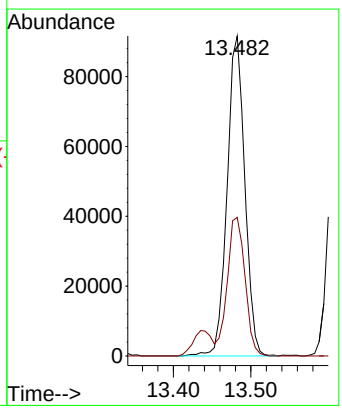


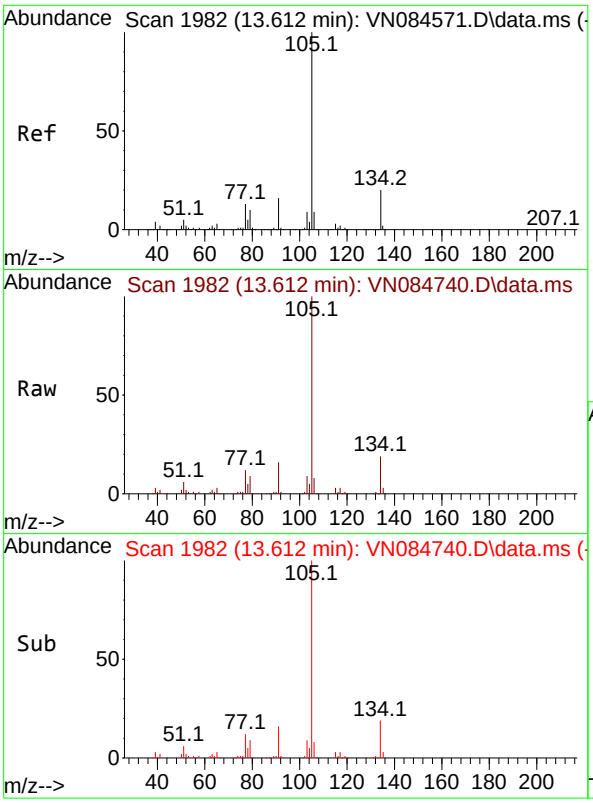


#84
1,2,4-Trimethylbenzene
Concen: 17.935 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:105 Resp: 145733

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



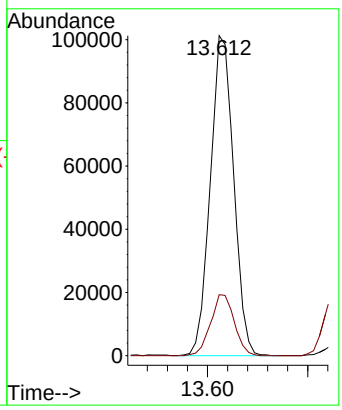


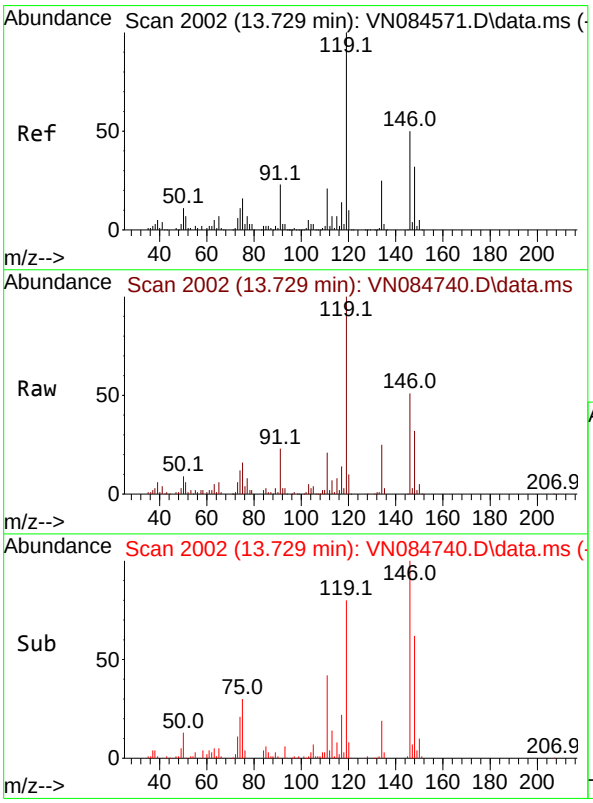
#85
sec-Butylbenzene
Concen: 17.746 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:105 Resp: 163337

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

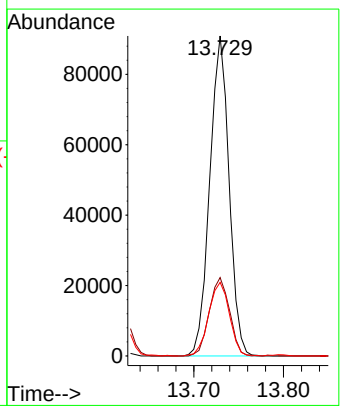


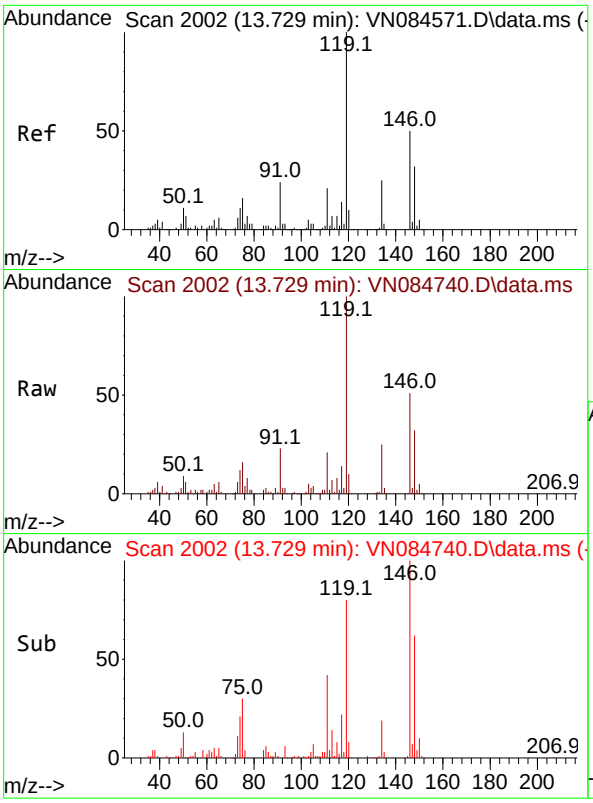


#86
p-Isopropyltoluene
Concen: 17.976 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:119 Resp: 135693

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.8	12.4	37.2



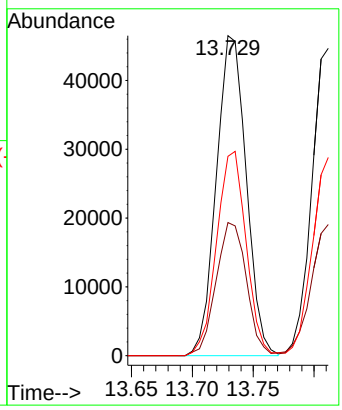


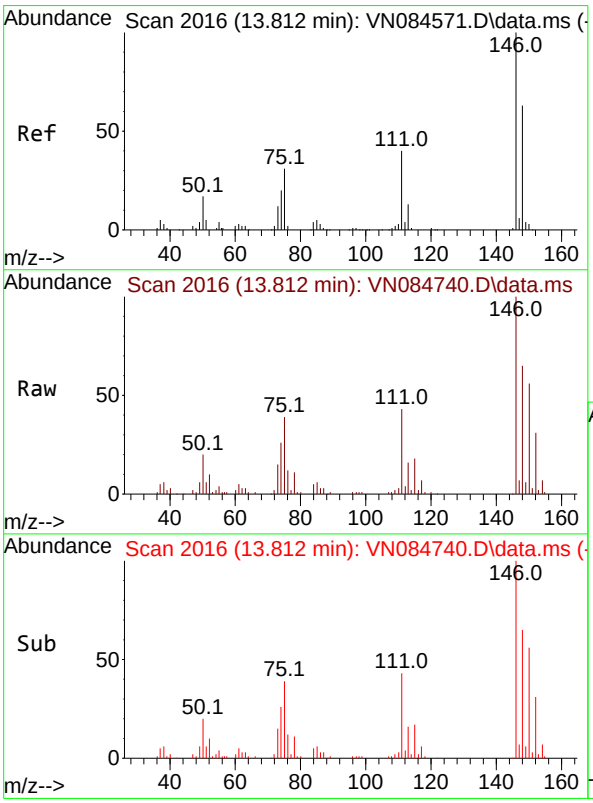
#87
1,3-Dichlorobenzene
Concen: 15.955 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:146 Resp: 79514

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	63.3	31.9	95.7

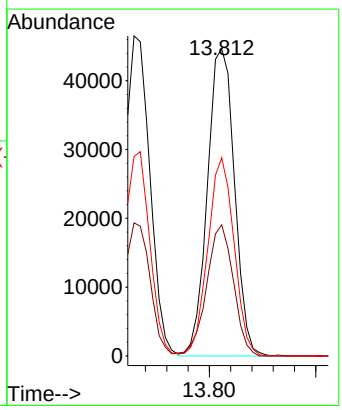


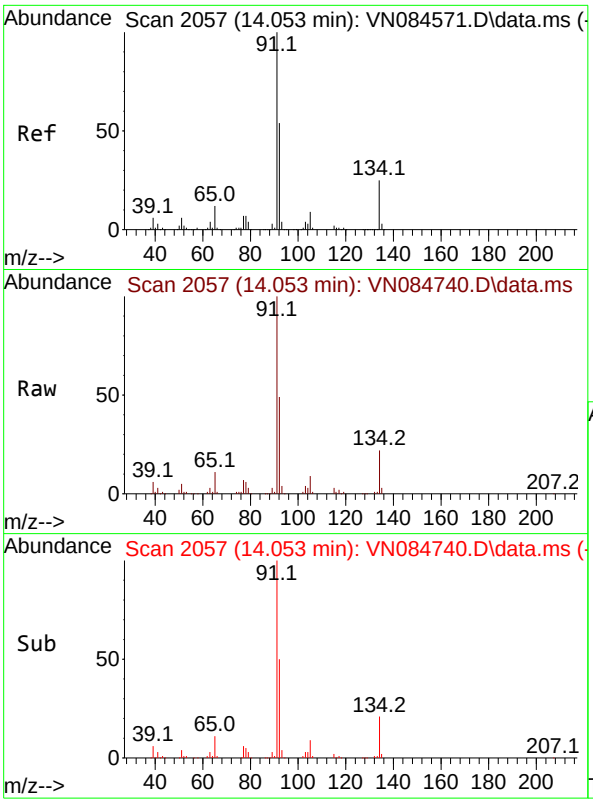


#88
1,4-Dichlorobenzene
Concen: 16.542 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:146 Resp: 78967

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	62.4	31.9	95.9



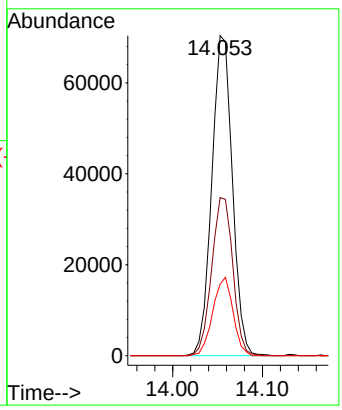


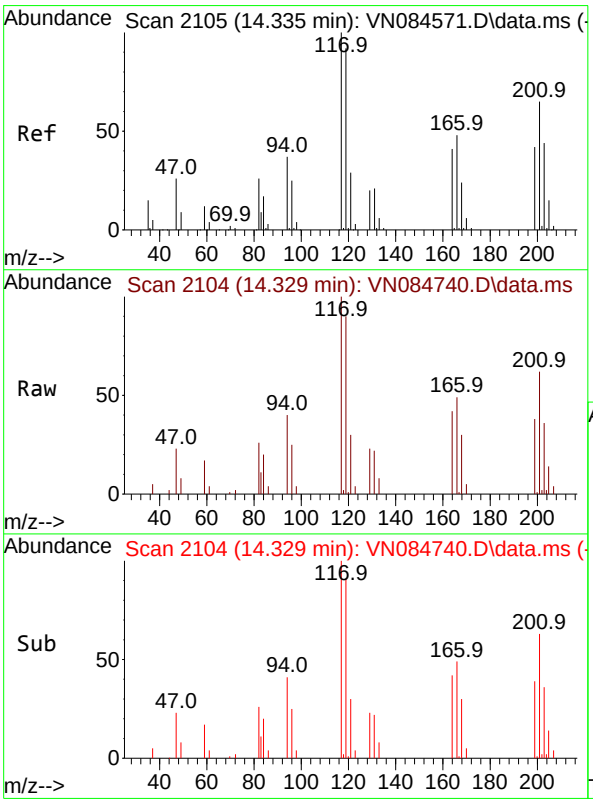
#89
n-Butylbenzene
Concen: 15.872 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion: 91 Resp: 112075

Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.6	79.7
134	24.1	12.3	36.9

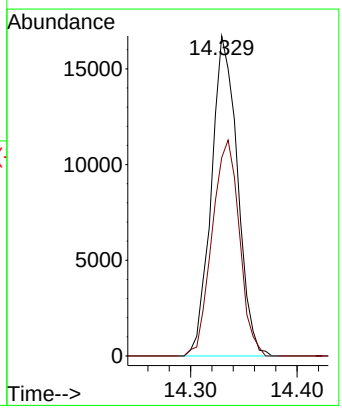


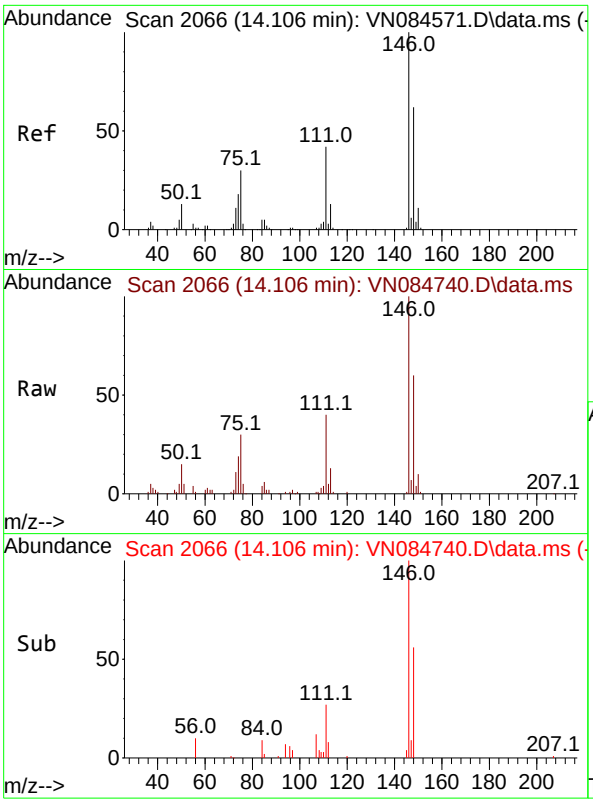


#90
Hexachloroethane
Concen: 16.916 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:117 Resp: 28476

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.4	103.2



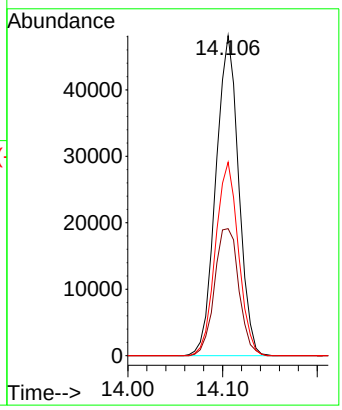


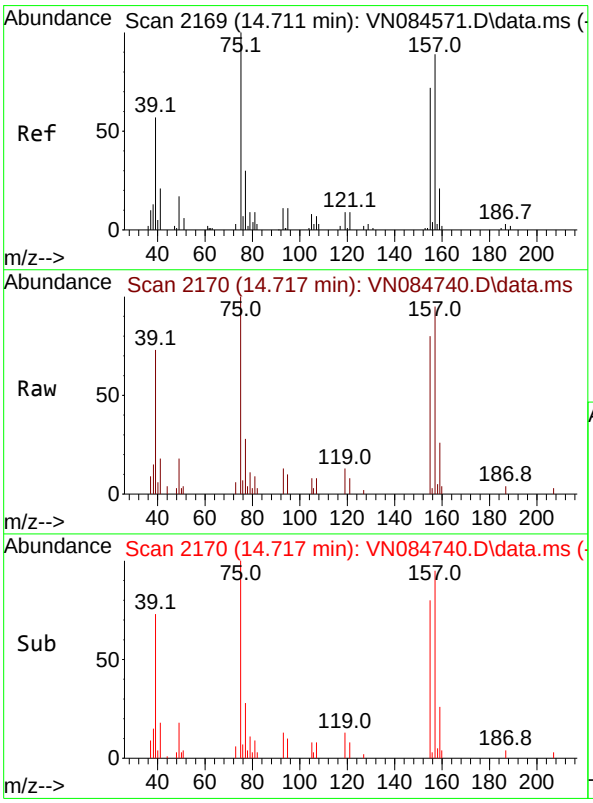
#91
1,2-Dichlorobenzene
Concen: 16.827 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:146 Resp: 80587

Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	60.8	32.1	96.3

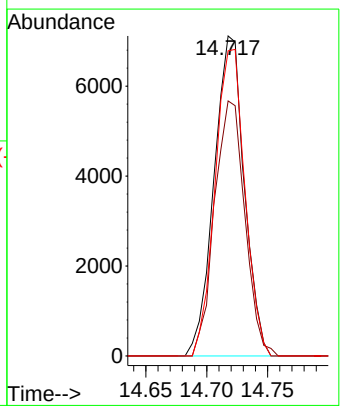


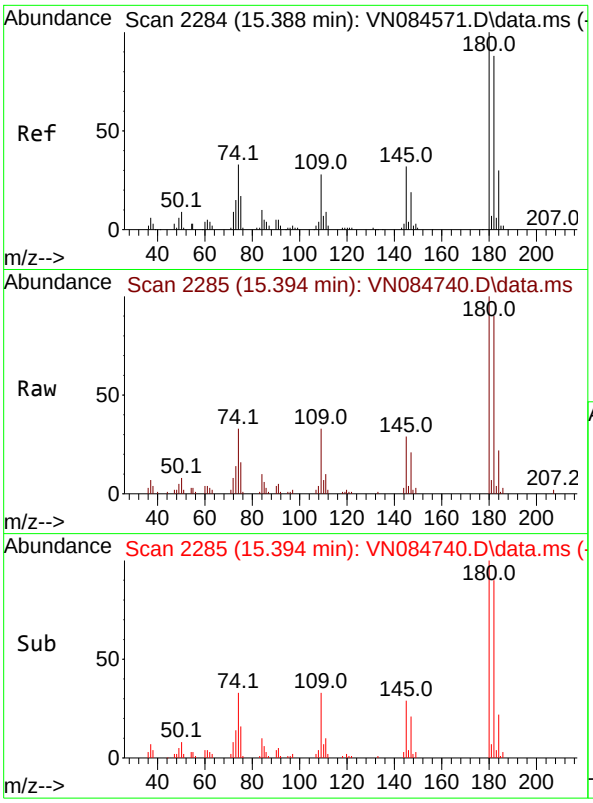


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.149 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion: 75 Resp: 12300

Ion	Ratio	Lower	Upper
75	100		
155	80.0	38.1	114.5
157	94.3	49.6	149.0



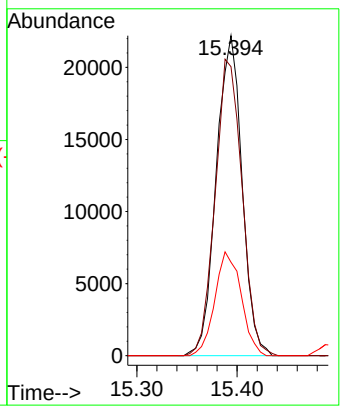


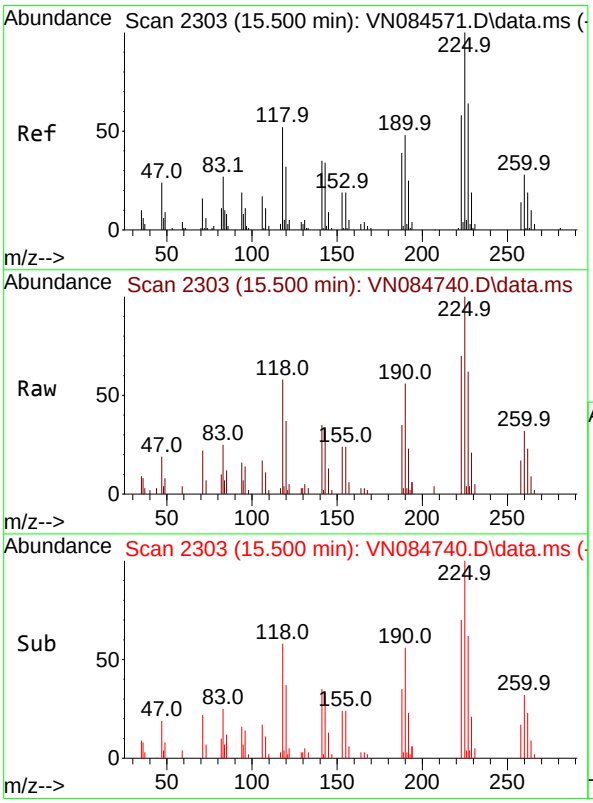
#93
1,2,4-Trichlorobenzene
Concen: 15.099 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:180 Resp: 39577

Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.0	141.0
145	33.2	16.4	49.4

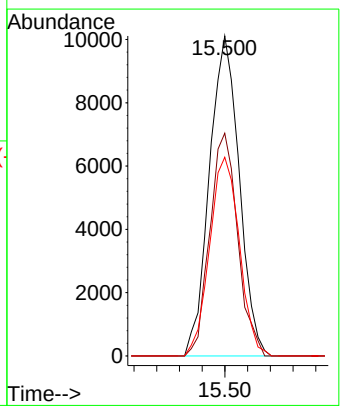


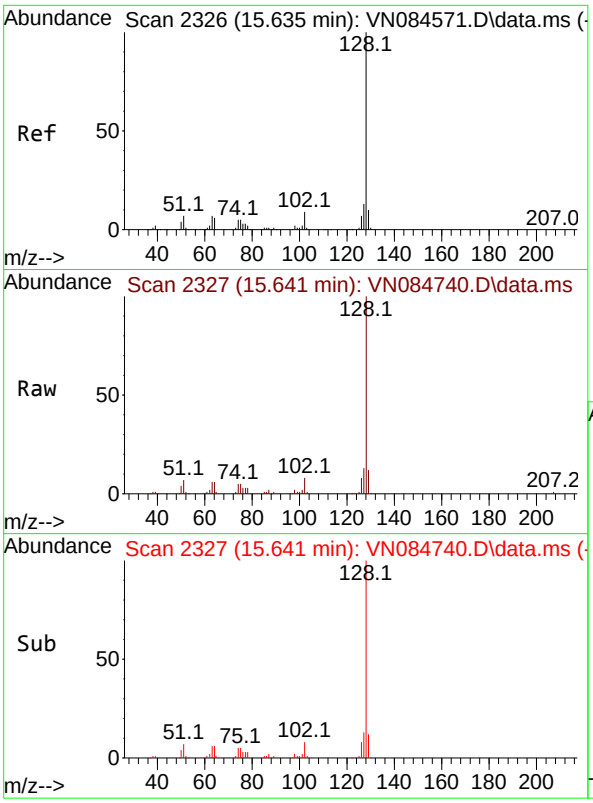


#94
Hexachlorobutadiene
Concen: 16.011 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:225 Resp: 18430

Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.4	97.2
227	61.9	32.4	97.0



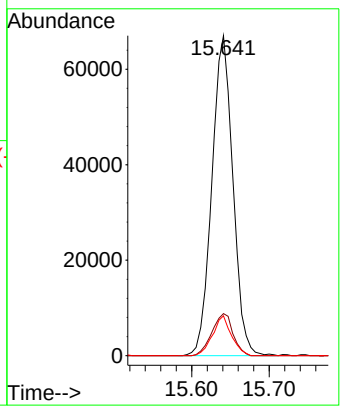


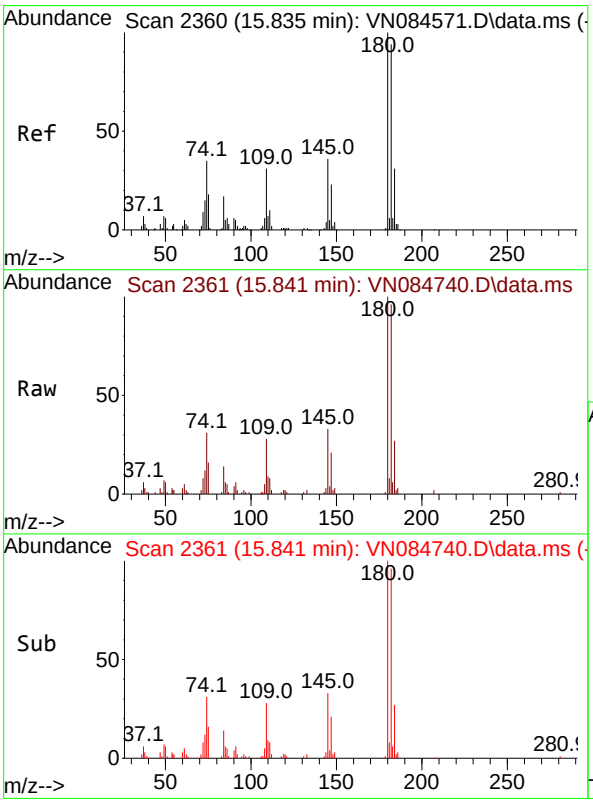
#95
Naphthalene
Concen: 16.107 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tgt Ion:128 Resp: 126375

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	8.7	13.1

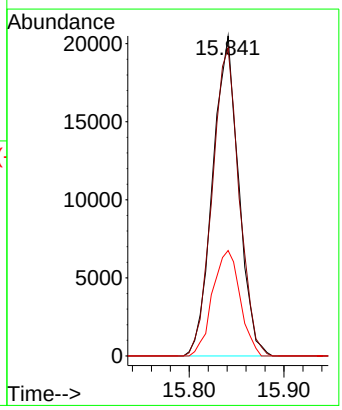




#96
1,2,3-Trichlorobenzene
Concen: 15.368 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084740.D
Acq: 08 Nov 2024 11:19

Tgt Ion:180 Resp: 39105

Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.2	144.6
145	34.8	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	163813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	277196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112888	47.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.420%		
35) Dibromofluoromethane	8.159	113	88421	47.126	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	10.565	98	326909	47.298	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.847	95	120820	46.773	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.540%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	32436	17.224	ug/l	94
3) Chloromethane	2.359	50	36853	14.909	ug/l	92
4) Vinyl Chloride	2.512	62	35685	17.618	ug/l	98
5) Bromomethane	2.901	94	19303	17.987	ug/l	98
6) Chloroethane	3.148	64	902	Below Cal #		45
7) Trichlorofluoromethane	3.465	101	60306	18.075	ug/l	97
8) Diethyl Ether	3.953	74	21967	18.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	36137	19.168	ug/l	96
10) Methyl Iodide	4.577	142	48044	19.067	ug/l	99
11) Tert butyl alcohol	5.542	59	36824	117.910	ug/l	100
12) 1,1-Dichloroethene	4.324	96	33346	17.875	ug/l	97
13) Acrolein	4.183	56	26382	84.714	ug/l	100
14) Allyl chloride	5.012	41	54464	18.003	ug/l	92
15) Acrylonitrile	5.718	53	94426	104.440	ug/l	100
16) Acetone	4.430	43	79288	114.465	ug/l	92
17) Carbon Disulfide	4.695	76	90004	15.667	ug/l	98
18) Methyl Acetate	5.018	43	50279	17.548	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	115179	20.144	ug/l	96
20) Methylene Chloride	5.265	84	39358	18.914	ug/l	85
21) trans-1,2-Dichloroethene	5.777	96	34301	17.907	ug/l	96
22) Diisopropyl ether	6.671	45	117287	19.511	ug/l	97
23) Vinyl Acetate	6.600	43	404463	97.566	ug/l	98
24) 1,1-Dichloroethane	6.559	63	68723	19.042	ug/l	99
25) 2-Butanone	7.483	43	124574	112.857	ug/l	98
26) 2,2-Dichloropropane	7.483	77	60114	19.137	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	41518	18.562	ug/l	99
28) Bromochloromethane	7.812	49	30106	20.937	ug/l	90
29) Tetrahydrofuran	7.841	42	79515	108.584	ug/l	94
30) Chloroform	7.965	83	70586	19.215	ug/l	100
31) Cyclohexane	8.253	56	56613	17.331	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	65446	19.574	ug/l	99
36) 1,1-Dichloropropene	8.371	75	46594	17.906	ug/l	98
37) Ethyl Acetate	7.553	43	49828	21.105	ug/l	97
38) Carbon Tetrachloride	8.353	117	55495	19.080	ug/l	97
39) Methylcyclohexane	9.594	83	48395	18.281	ug/l	97
40) Benzene	8.600	78	155569	18.616	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26658	20.997	ug/l		95
42) 1,2-Dichloroethane	8.665	62	52550	19.417	ug/l		100
43) Isopropyl Acetate	8.682	43	84614	18.797	ug/l		98
44) Trichloroethene	9.353	130	35954	18.655	ug/l		94
45) 1,2-Dichloropropane	9.618	63	36767	18.755	ug/l		97
46) Dibromomethane	9.706	93	27266	19.711	ug/l		98
47) Bromodichloromethane	9.888	83	56233	19.285	ug/l	#	98
48) Methyl methacrylate	9.677	41	37901	20.627	ug/l		97
49) 1,4-Dioxane	9.694	88	15636	480.210	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	250598	111.343	ug/l		98
52) Toluene	10.629	92	95723	19.585	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	57070	18.908	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	60551	18.955	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	37192	20.202	ug/l		95
56) Ethyl methacrylate	10.871	69	57790	21.701	ug/l		96
57) 1,3-Dichloropropane	11.159	76	63144	19.984	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	139887	112.259	ug/l		96
59) 2-Hexanone	11.194	43	184568	112.663	ug/l		98
60) Dibromochloromethane	11.359	129	43079	20.531	ug/l		98
61) 1,2-Dibromoethane	11.471	107	37618	19.953	ug/l		97
64) Tetrachloroethene	11.100	164	31525	19.248	ug/l		98
65) Chlorobenzene	11.888	112	100856	18.308	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	38908	20.306	ug/l		95
67) Ethyl Benzene	11.959	91	173400	18.858	ug/l		96
68) m/p-Xylenes	12.071	106	134607	38.667	ug/l		98
69) o-Xylene	12.394	106	64664	19.856	ug/l		99
70) Styrene	12.412	104	110872	19.517	ug/l		99
71) Bromoform	12.576	173	29882	20.725	ug/l	#	96
73) Isopropylbenzene	12.694	105	162742	19.230	ug/l		100
74) N-amyl acetate	12.494	43	71201	19.767	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55464	19.635	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	71794	29.740	ug/l		54
77) Bromobenzene	12.976	156	41887	18.411	ug/l		93
78) n-propylbenzene	13.035	91	185049	18.660	ug/l		97
79) 2-Chlorotoluene	13.123	91	121386	18.733	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	137545	19.609	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	18734	18.411	ug/l		97
82) 4-Chlorotoluene	13.217	91	123905	18.169	ug/l		100
83) tert-Butylbenzene	13.435	119	112585	19.394	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	142262	19.651	ug/l		100
85) sec-Butylbenzene	13.612	105	153424	18.710	ug/l		100
86) p-Isopropyltoluene	13.729	119	128285	19.076	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	76875	17.314	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	76001	17.947	ug/l		98
89) n-Butylbenzene	14.053	91	103692	16.483	ug/l		98
90) Hexachloroethane	14.329	117	26245	17.500	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	77341	18.127	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11666	20.386	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	39374	16.860	ug/l		97
94) Hexachlorobutadiene	15.494	225	17928	17.482	ug/l		96
95) Naphthalene	15.641	128	128477	18.380	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	39322	17.346	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

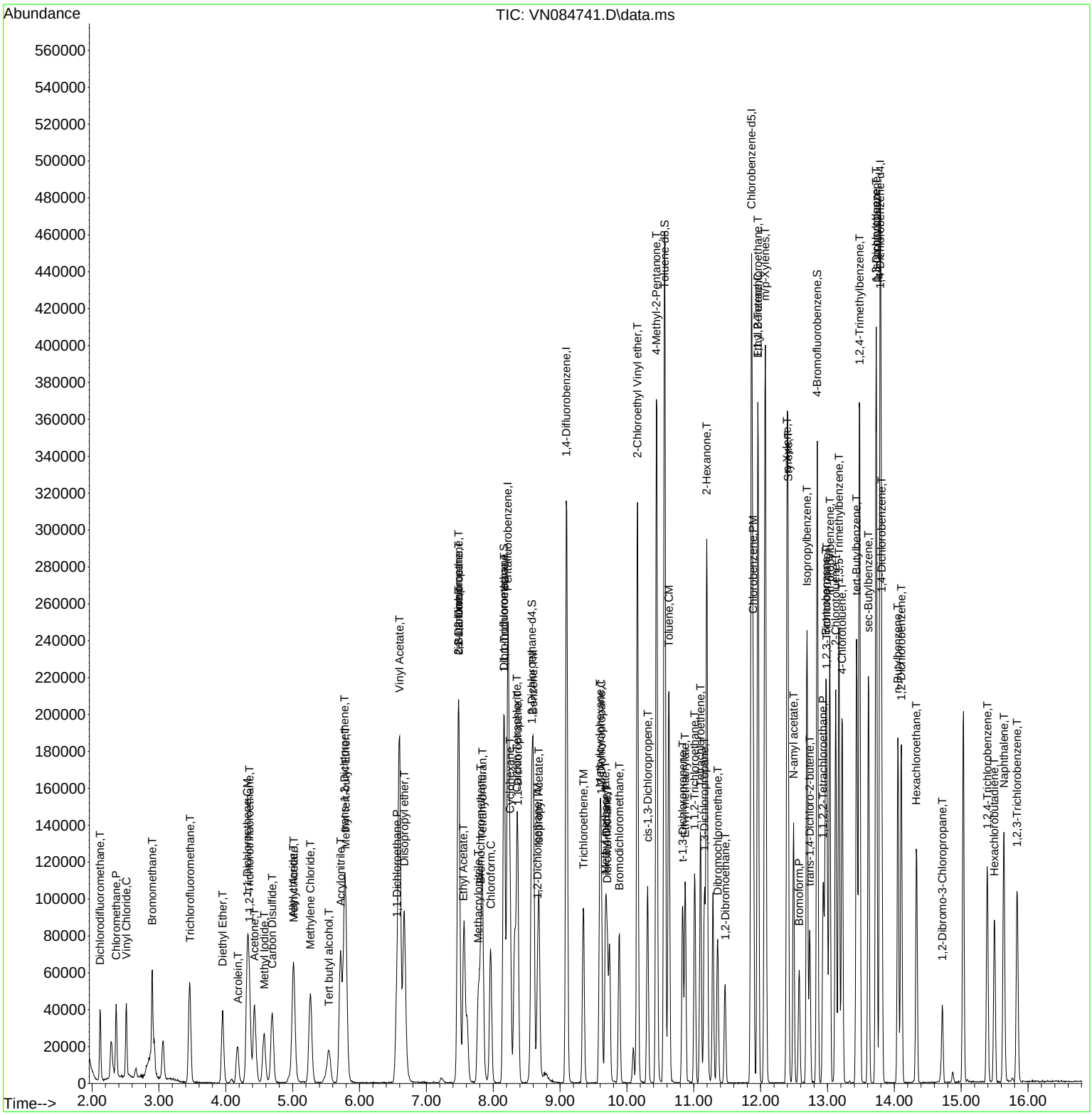
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

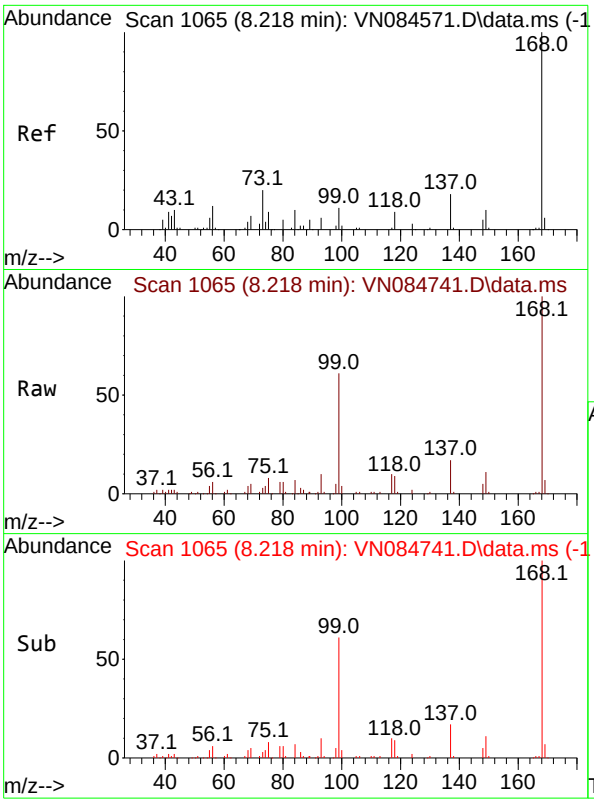
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084741.D
Acq On : 08 Nov 2024 11:43
Operator : JC\MD
Sample : VN1108WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Quant Time: Nov 08 22:28:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



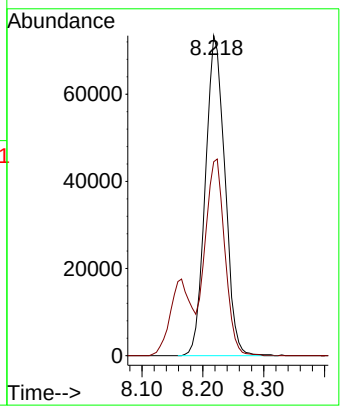


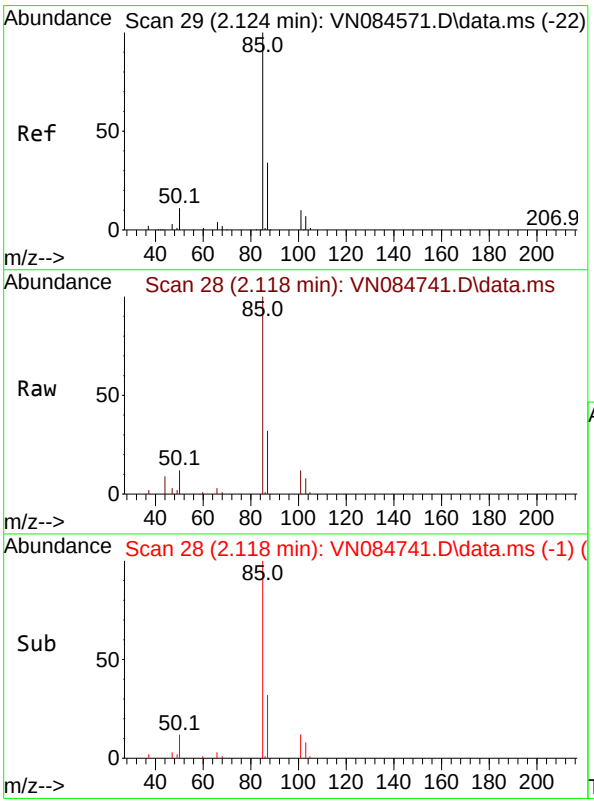
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:168 Resp: 163813

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

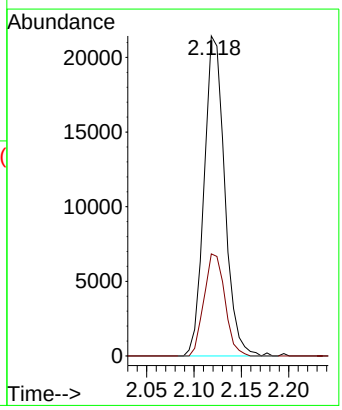


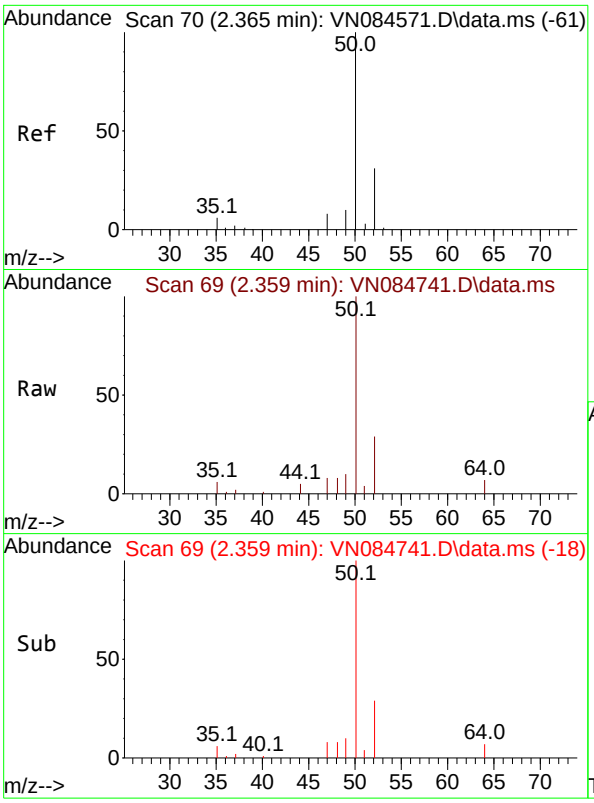


#2
Dichlorodifluoromethane
Concen: 17.224 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 85 Resp: 32436

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.6	52.9



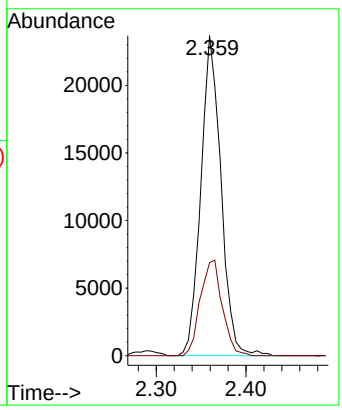


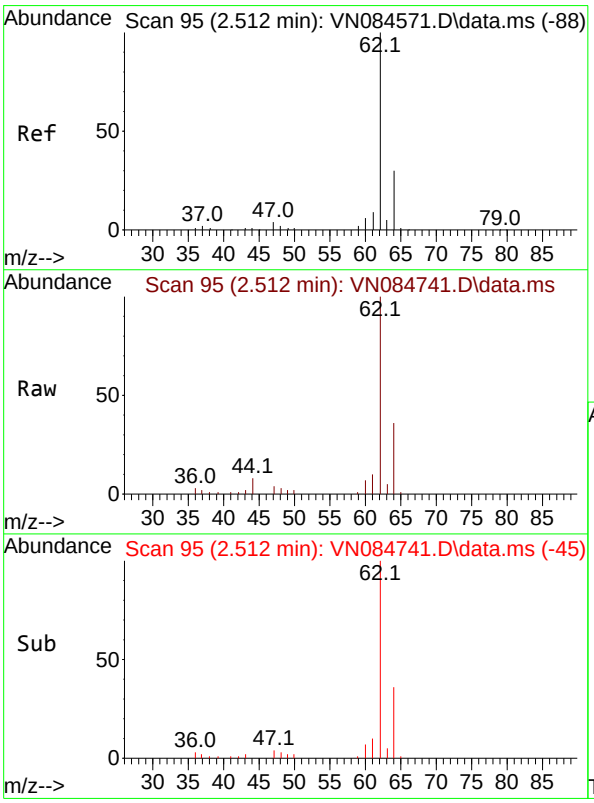
#3
Chloromethane
Concen: 14.909 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 50 Resp: 36853

Ion	Ratio	Lower	Upper
50	100		
52	29.0	26.8	40.2

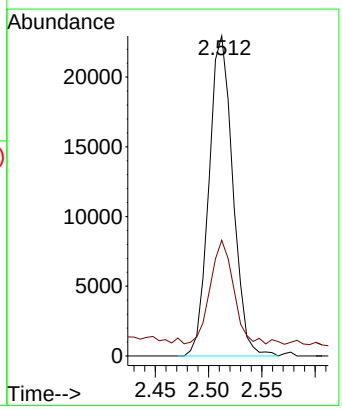


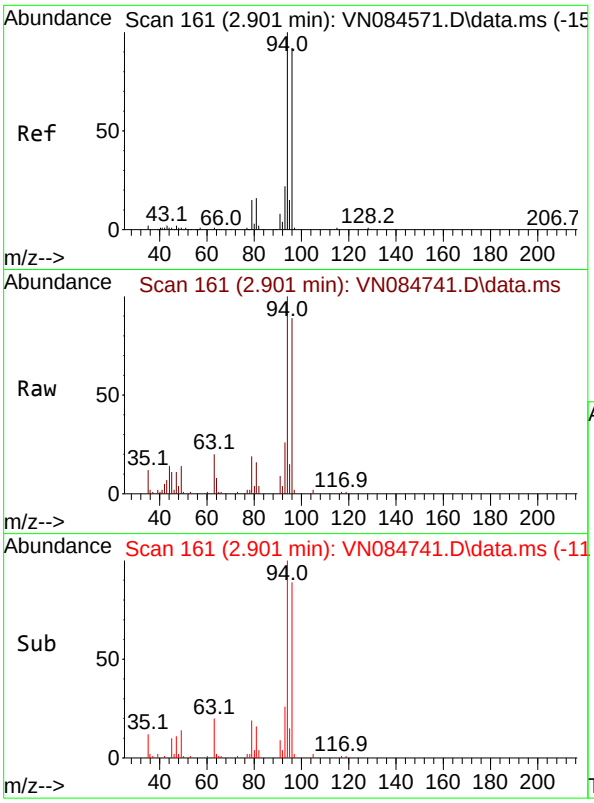


#4
Vinyl Chloride
Concen: 17.618 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 62 Resp: 35685

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4



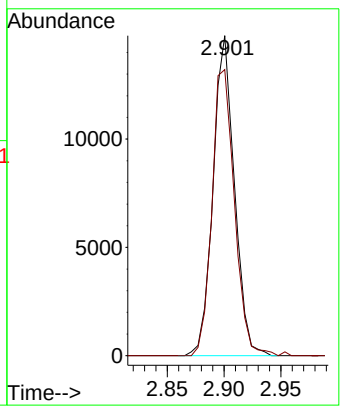


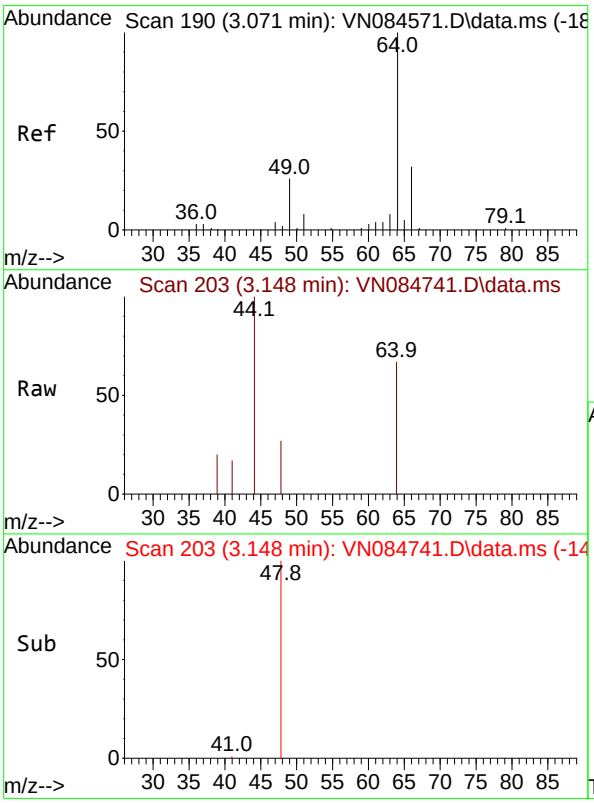
#5
Bromomethane
Concen: 17.987 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 94 Resp: 19303

Ion	Ratio	Lower	Upper
94	100		
96	89.4	72.9	109.3

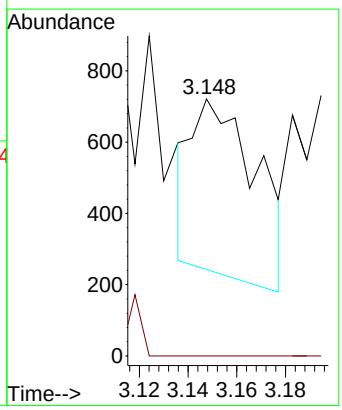


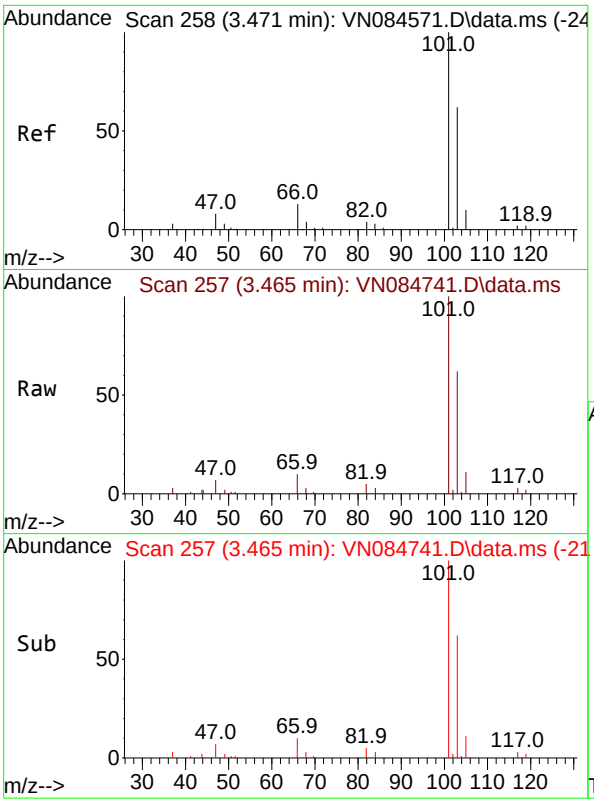


#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 64 Resp: 902

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.5	35.3#



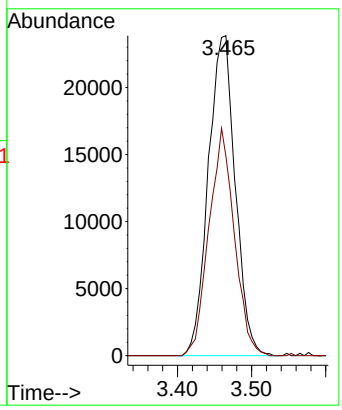


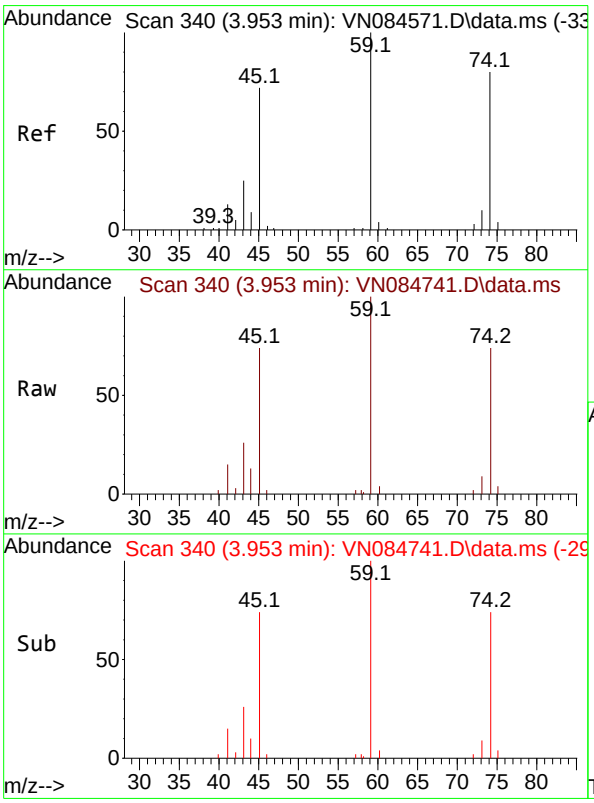
#7
Trichlorofluoromethane
Concen: 18.075 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:101 Resp: 60306

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6

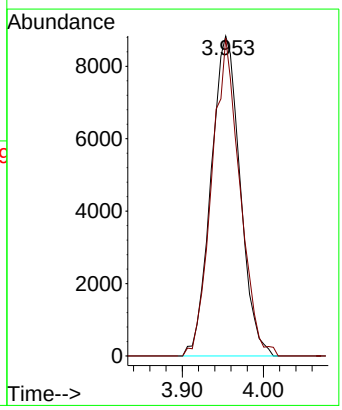


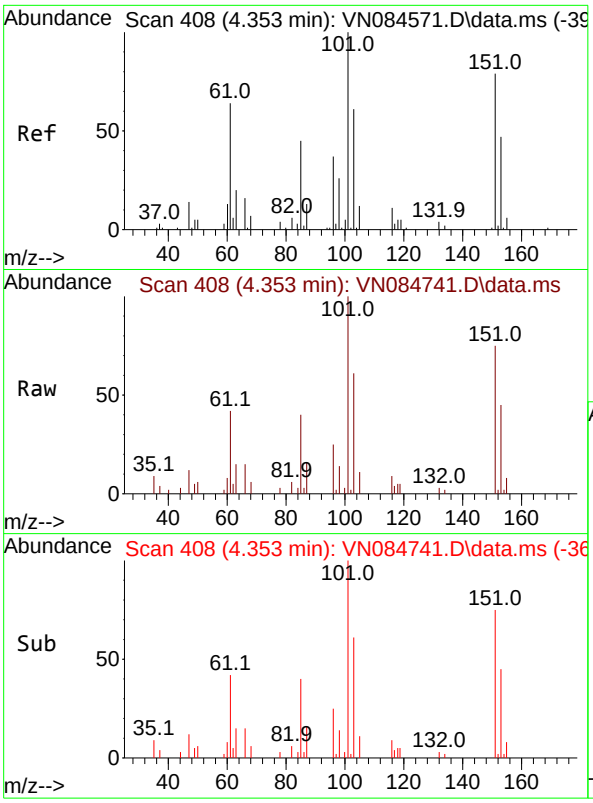


#8
Diethyl Ether
Concen: 18.664 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 74 Resp: 21967

Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.7	143.1



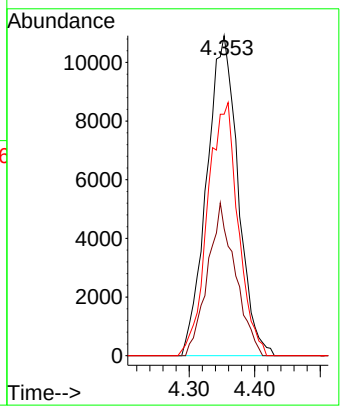


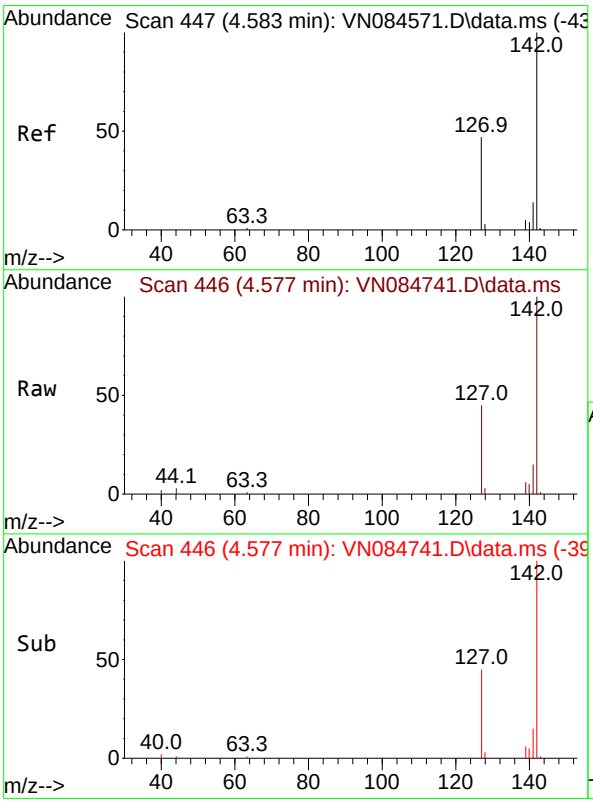
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.168 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:101 Resp: 36137

Ion	Ratio	Lower	Upper
101	100		
85	42.3	36.2	54.4
151	77.3	59.3	88.9

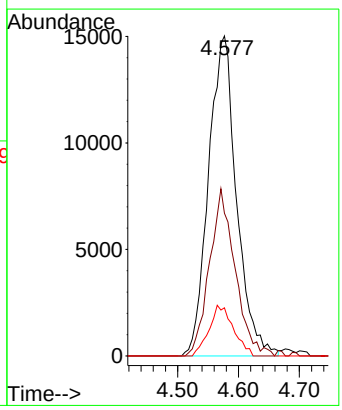


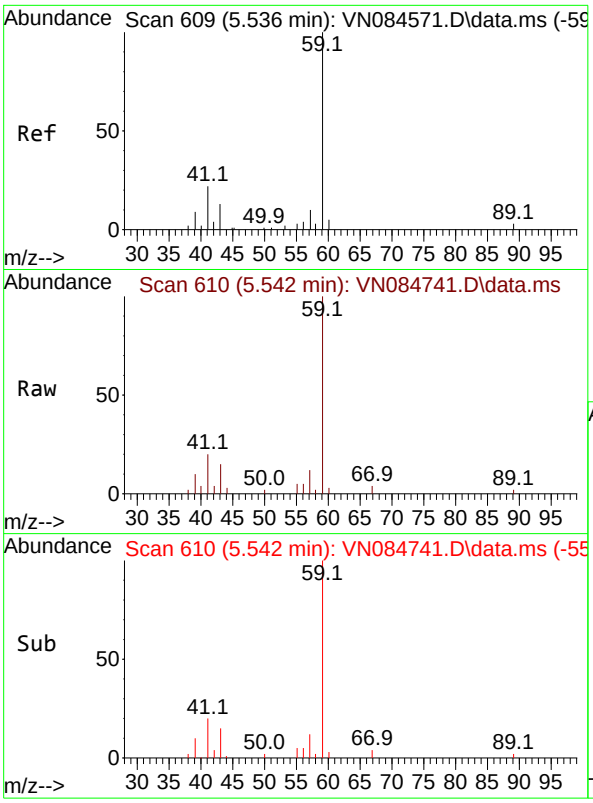


#10
Methyl Iodide
Concen: 19.067 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:142 Resp: 48044

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.3	52.9
141	15.1	11.0	16.6



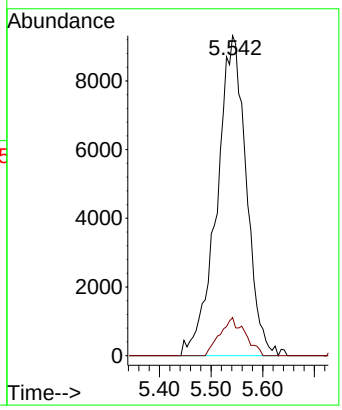


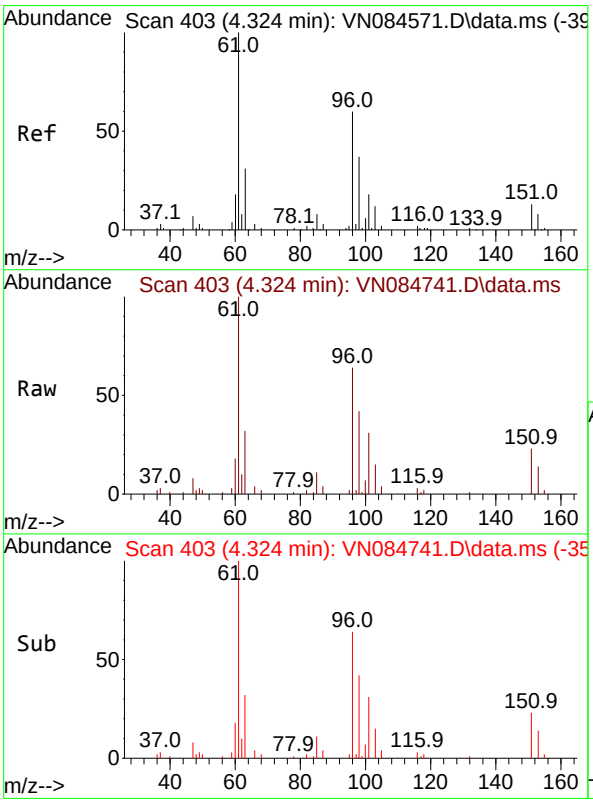
#11
Tert butyl alcohol
Concen: 117.910 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 59 Resp: 36824

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

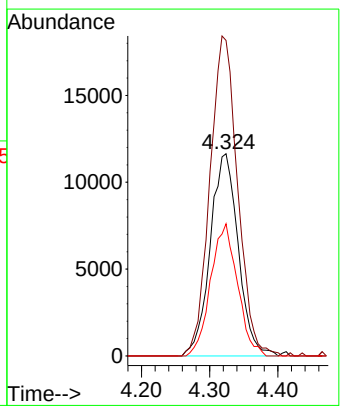


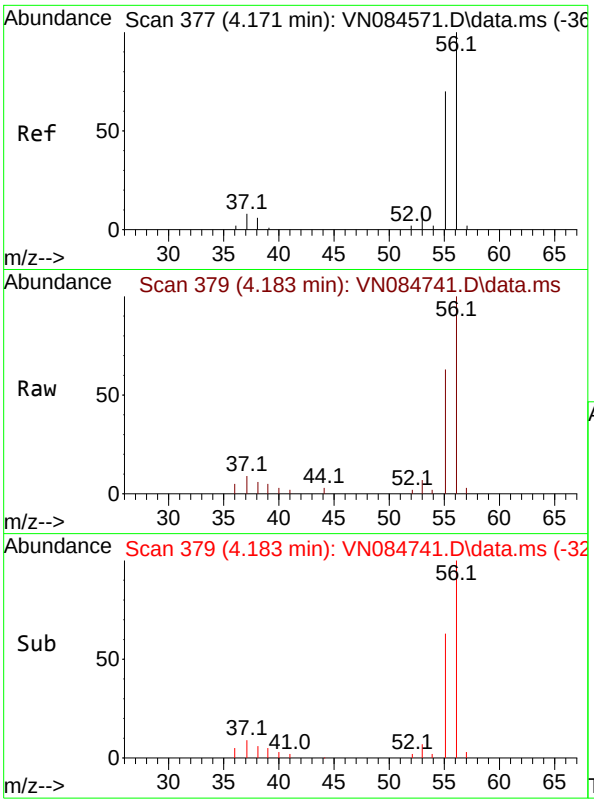


#12
1,1-Dichloroethene
Concen: 17.875 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 96 Resp: 33346

Ion	Ratio	Lower	Upper
96	100		
61	156.1	128.6	192.8
98	65.4	51.7	77.5



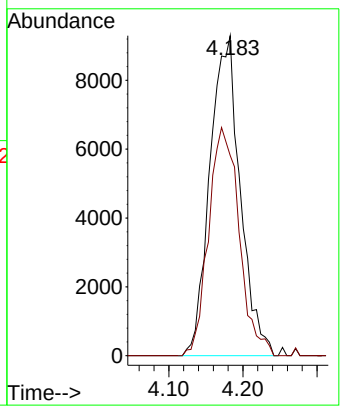


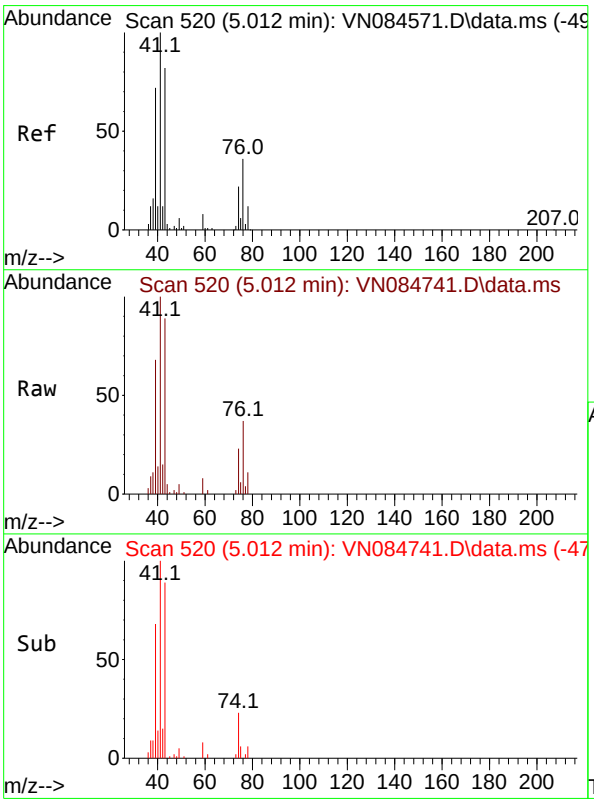
#13
Acrolein
Concen: 84.714 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 56 Resp: 26382

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.2	85.8

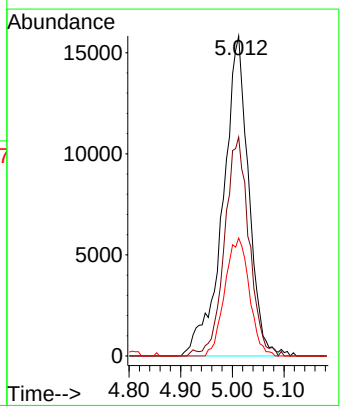


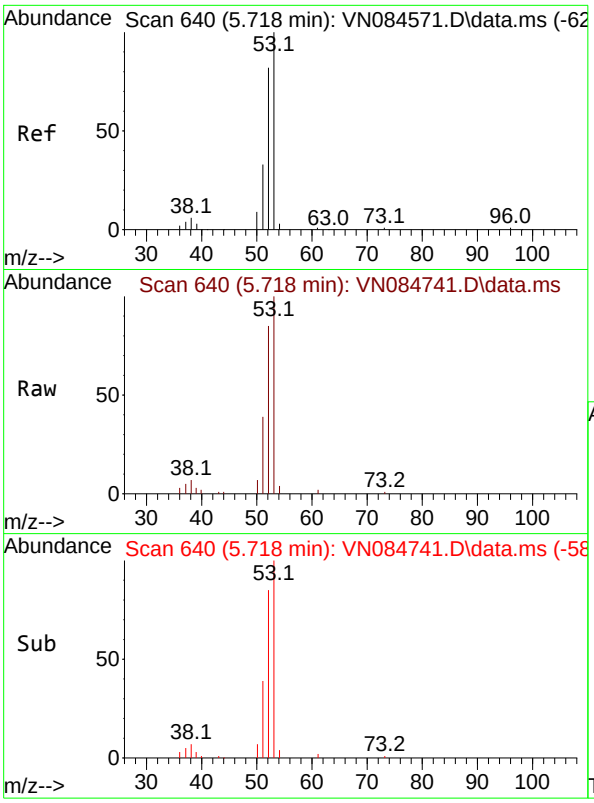


#14
Allyl chloride
Concen: 18.003 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 41 Resp: 54464

Ion	Ratio	Lower	Upper
41	100		
39	65.1	59.0	88.6
76	35.2	29.8	44.6



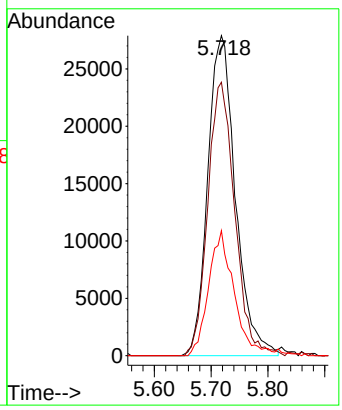


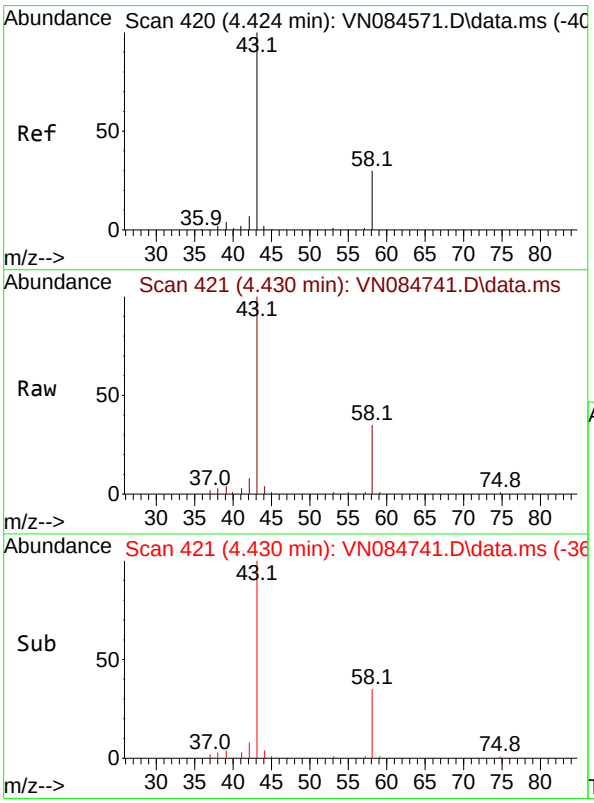
#15
Acrylonitrile
Concen: 104.440 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 53 Resp: 94426

Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.4
51	36.0	28.8	43.2

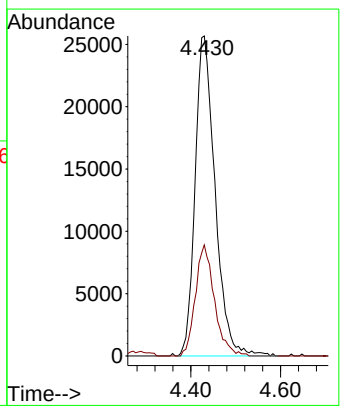


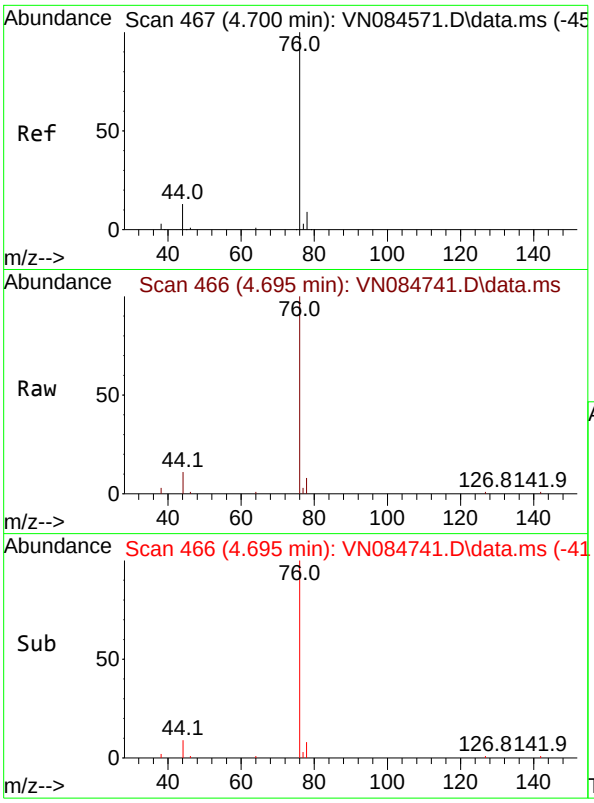


#16
Acetone
Concen: 114.465 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 79288

Ion	Ratio	Lower	Upper
43	100		
58	34.7	24.4	36.6



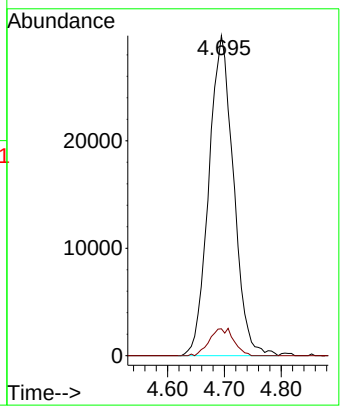


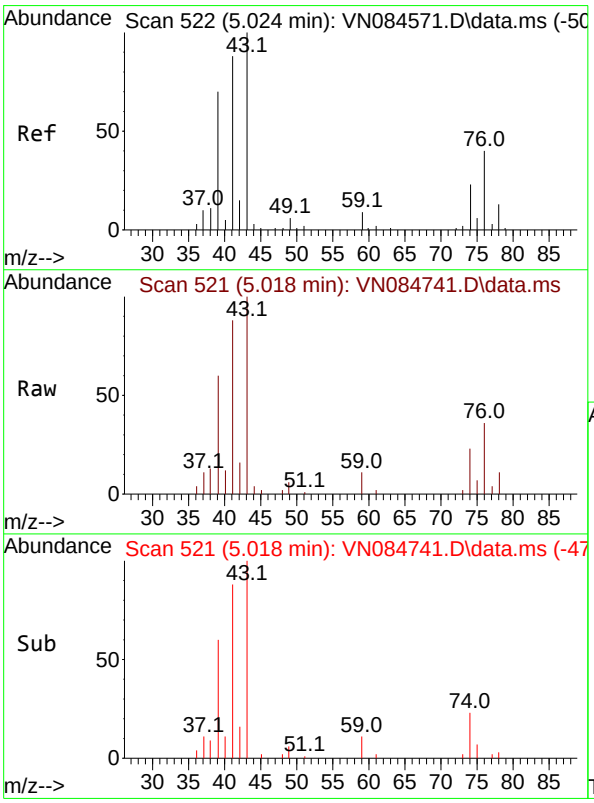
#17
Carbon Disulfide
Concen: 15.667 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 76 Resp: 90004

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

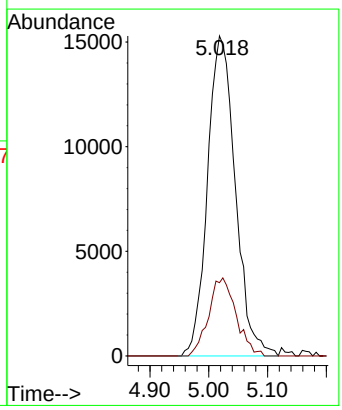


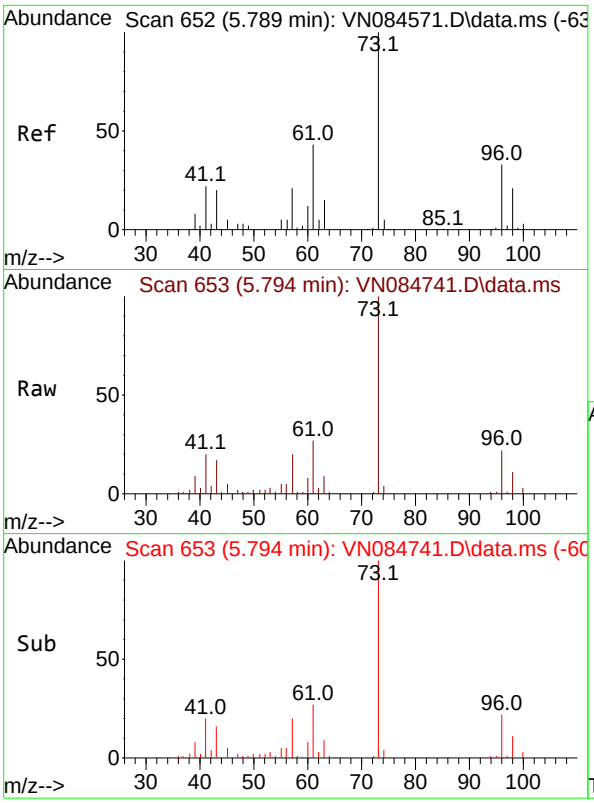


#18
Methyl Acetate
Concen: 17.548 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 50279

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8



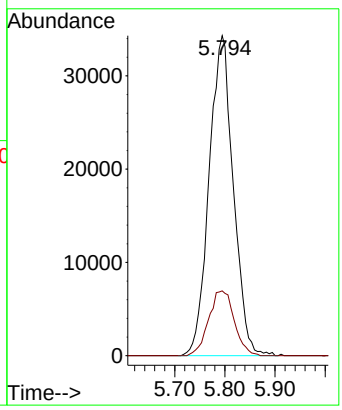


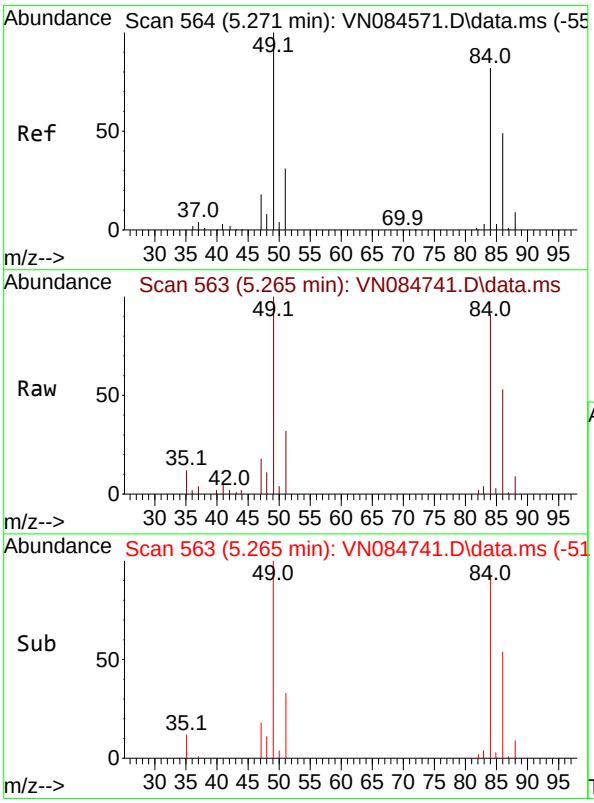
#19
Methyl tert-butyl Ether
Concen: 20.144 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 73 Resp: 115179

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.7	26.5

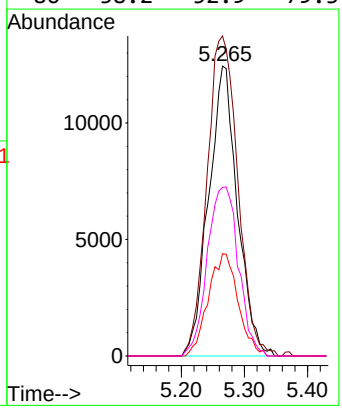


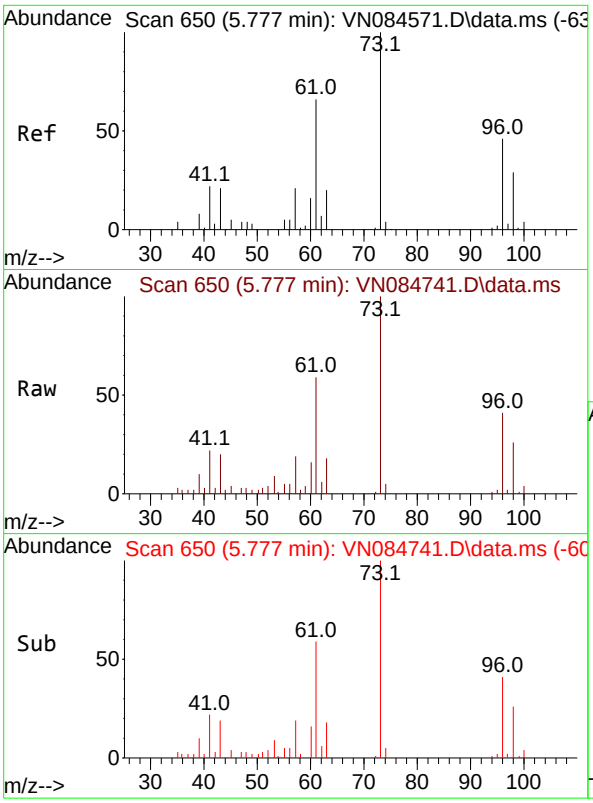


#20
Methylene Chloride
Concen: 18.914 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 84 Resp: 39358

Ion	Ratio	Lower	Upper
84	100		
49	110.4	107.2	160.8
51	35.3	31.8	47.8
86	58.2	52.9	79.3



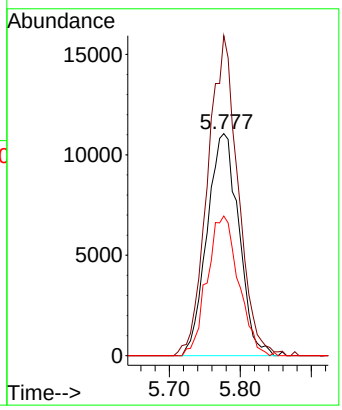


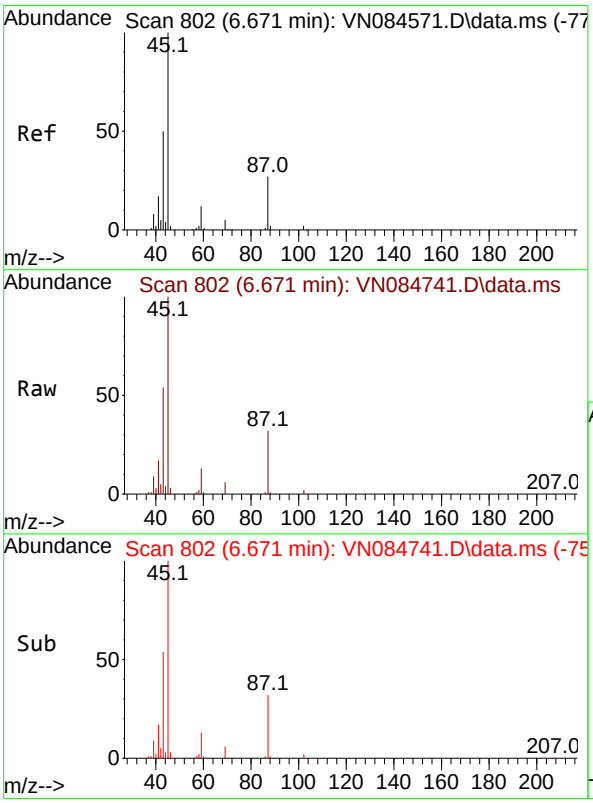
#21
trans-1,2-Dichloroethene
Concen: 17.907 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 96 Resp: 34301

Ion	Ratio	Lower	Upper
96	100		
61	142.4	108.4	162.6
98	62.9	49.8	74.8

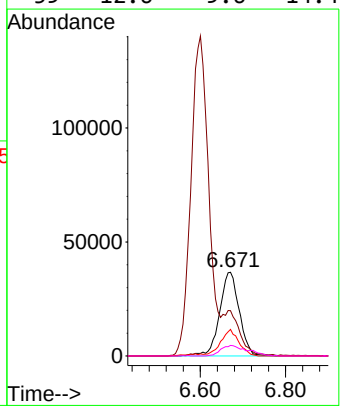


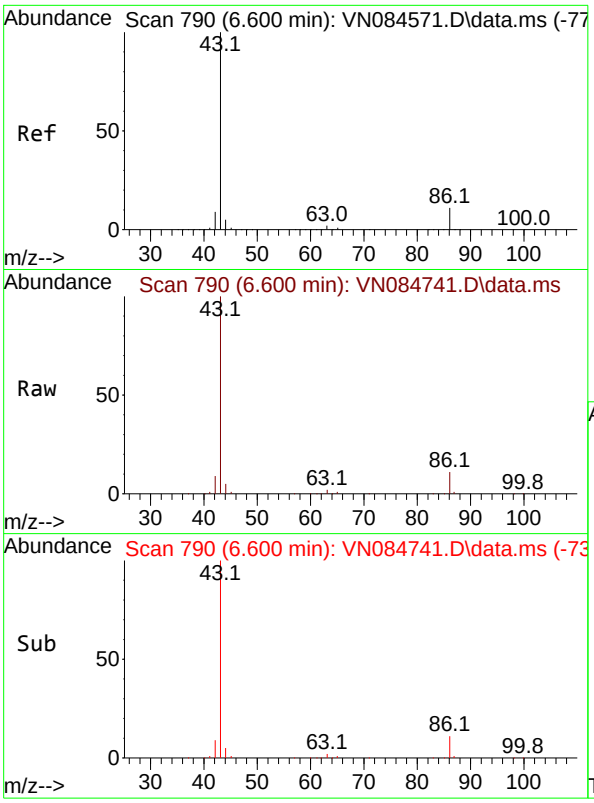


#22
Diisopropyl ether
Concen: 19.511 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 45 Resp: 117287

Ion	Ratio	Lower	Upper
45	100		
43	53.6	42.3	63.5
87	31.7	21.8	32.6
59	12.6	9.6	14.4



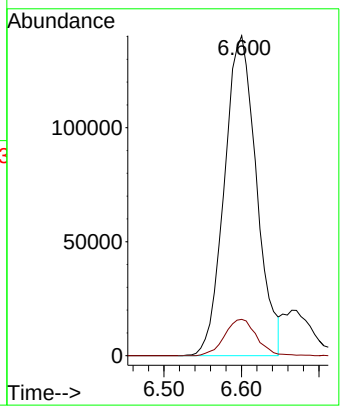


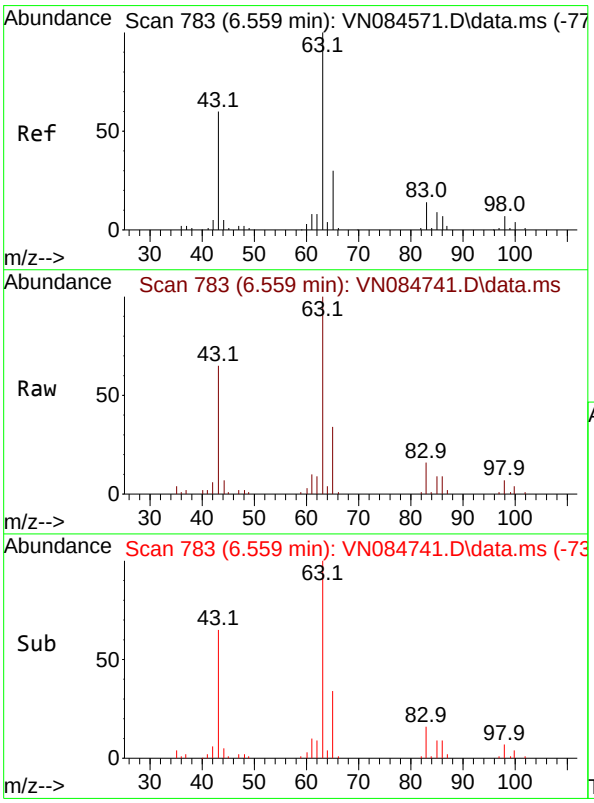
#23
Vinyl Acetate
Concen: 97.566 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 404463

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

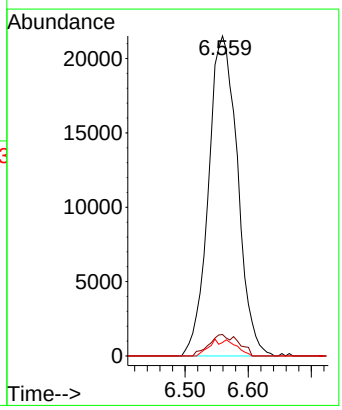


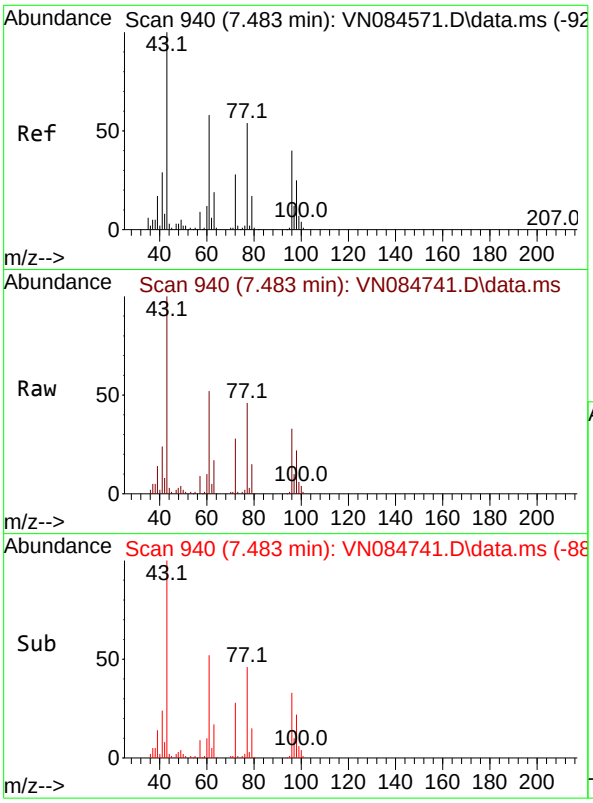


#24
1,1-Dichloroethane
Concen: 19.042 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 63 Resp: 68723

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.2	2.0	5.8



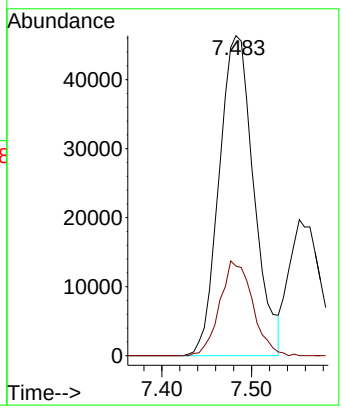


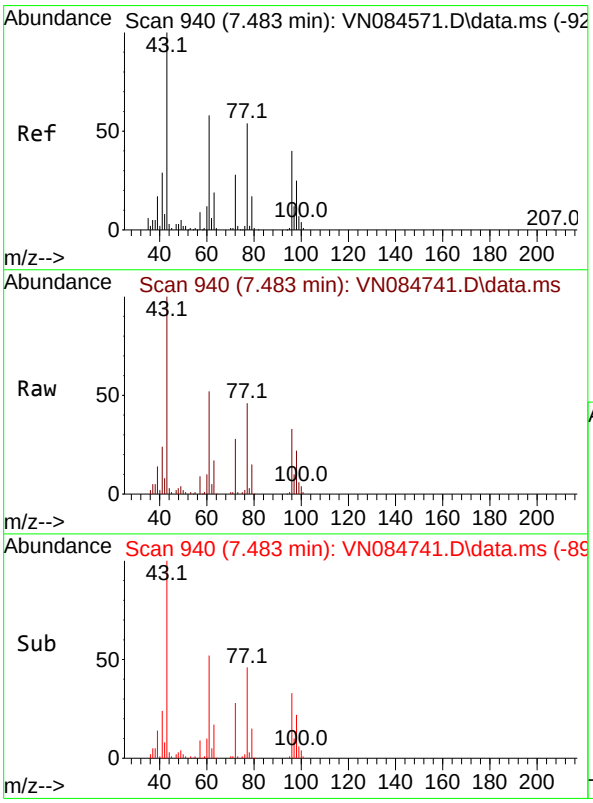
#25
2-Butanone
Concen: 112.857 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 124574

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2

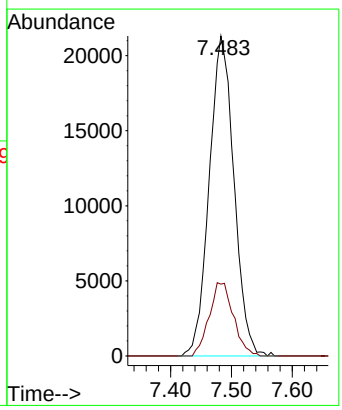


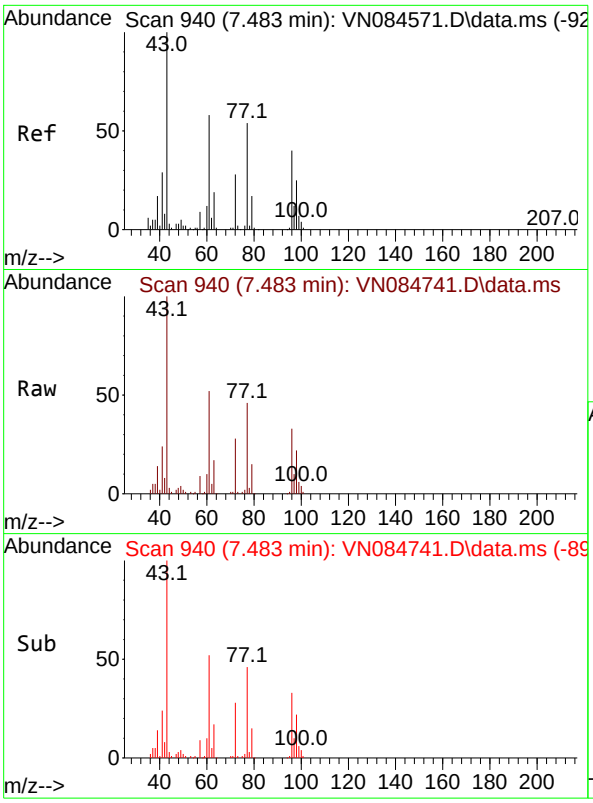


#26
2,2-Dichloropropane
Concen: 19.137 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 77 Resp: 60114

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



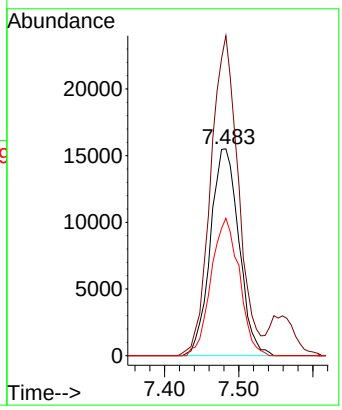


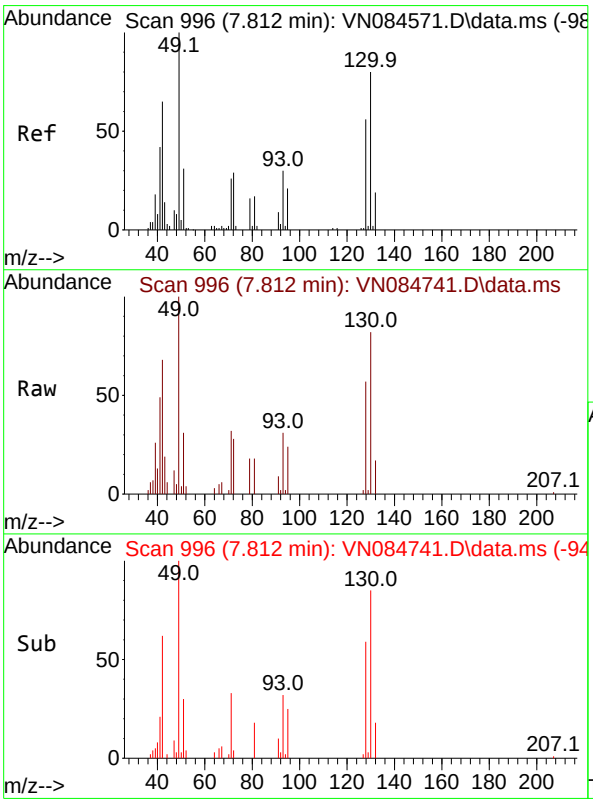
#27
cis-1,2-Dichloroethene
Concen: 18.562 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 96 Resp: 41518

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	301.8
98	65.7	0.0	128.2

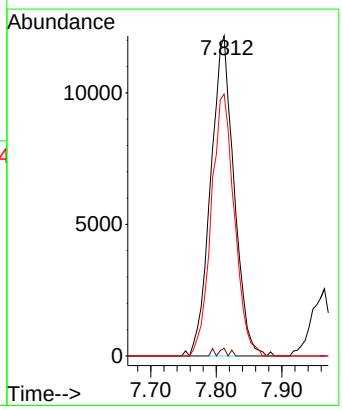


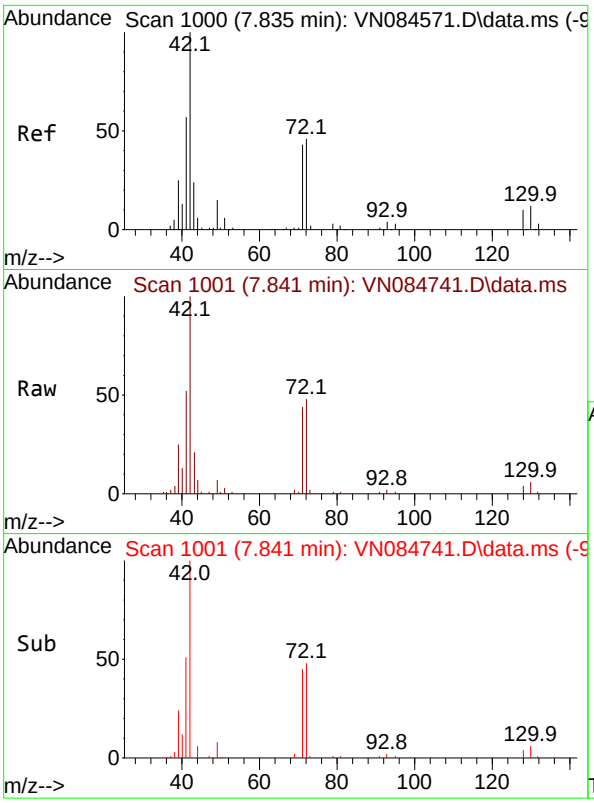


#28
Bromochloromethane
Concen: 20.937 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 49 Resp: 30106

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	80.9	58.0	87.0



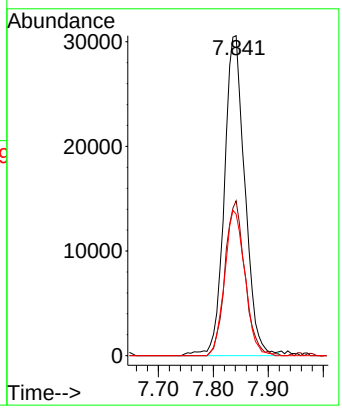


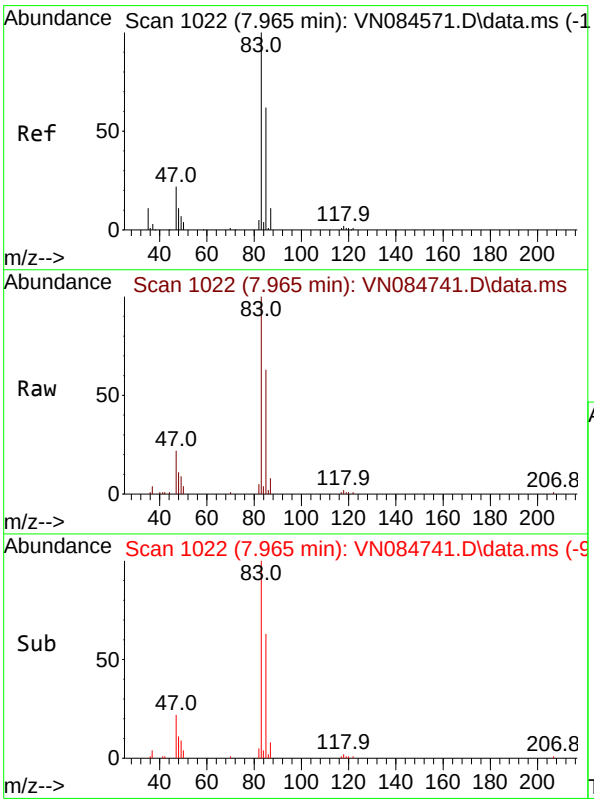
#29
Tetrahydrofuran
Concen: 108.584 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 42 Resp: 79515

Ion	Ratio	Lower	Upper
42	100		
72	46.7	34.6	51.8
71	44.9	32.2	48.4

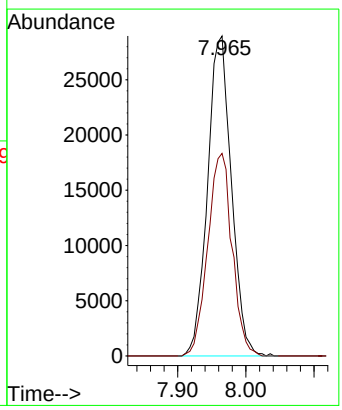


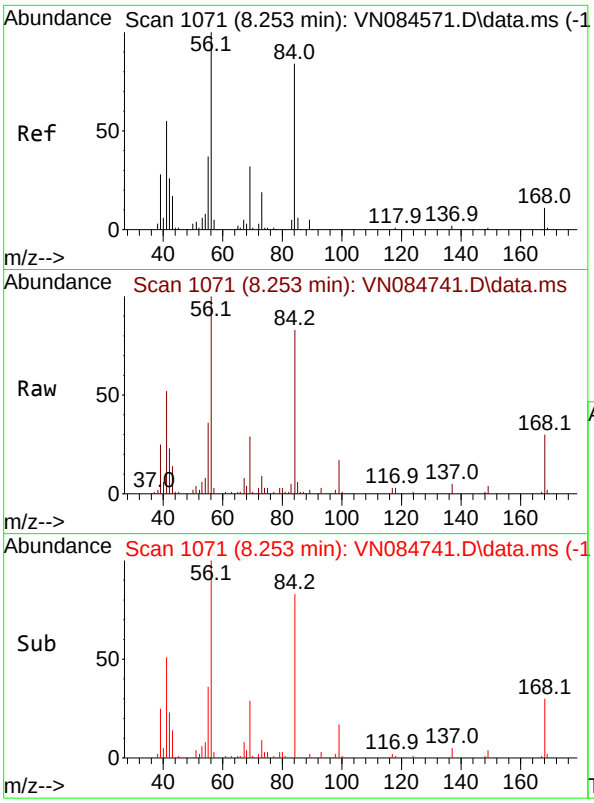


#30
Chloroform
Concen: 19.215 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 83 Resp: 70586

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.4



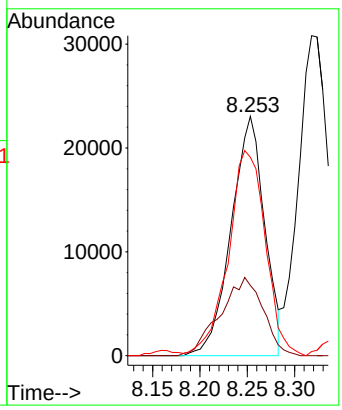


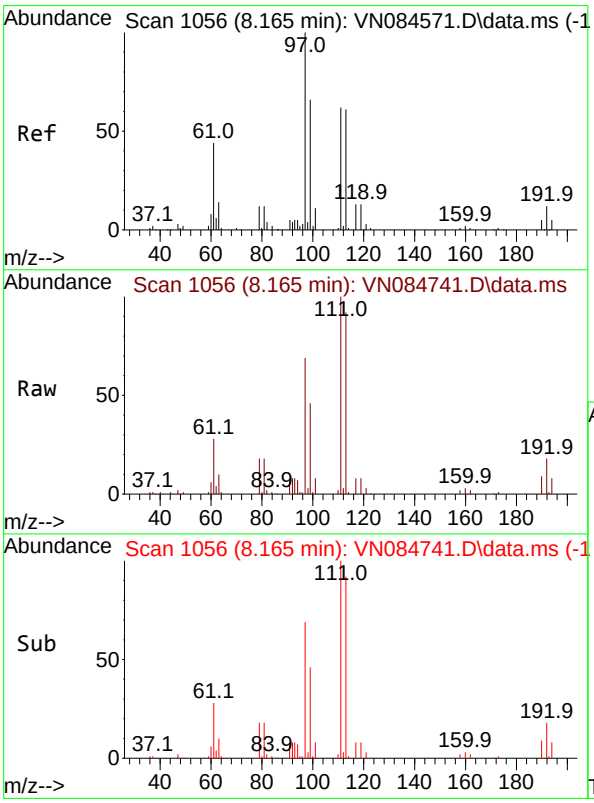
#31
Cyclohexane
Concen: 17.331 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 56 Resp: 56613

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	81.6	68.8	103.2

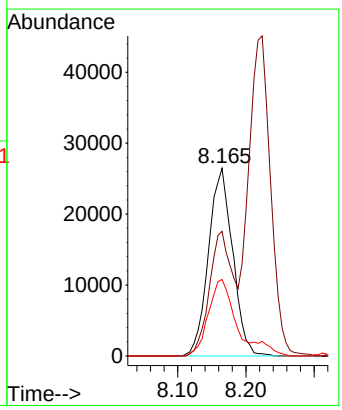


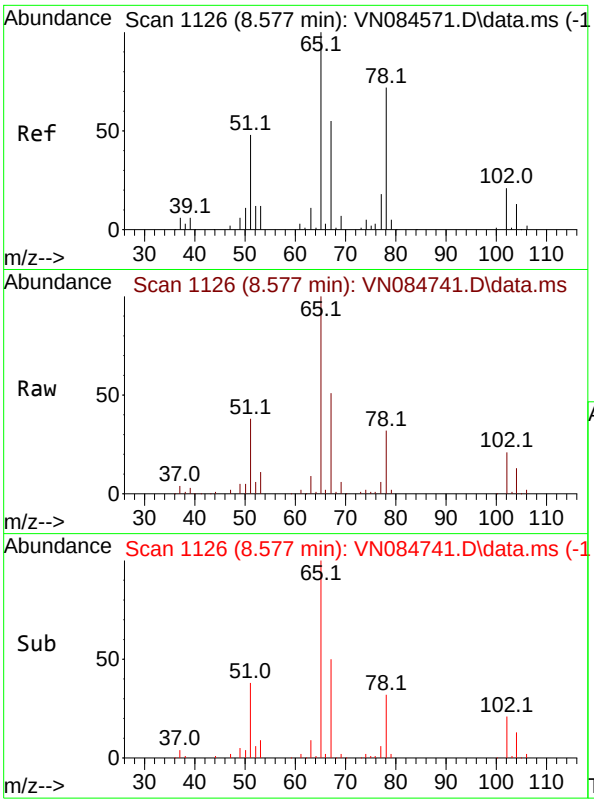


#32
1,1,1-Trichloroethane
Concen: 19.574 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 97 Resp: 65446

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	48.3	37.5	56.3



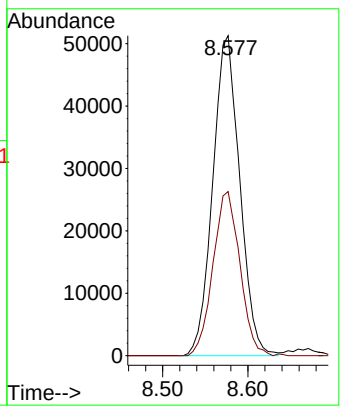


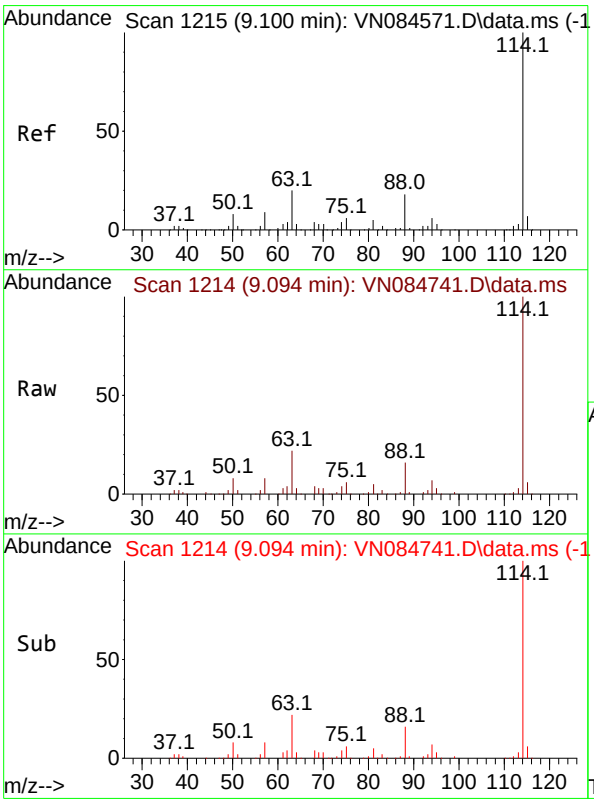
#33
1,2-Dichloroethane-d4
Concen: 47.712 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 65 Resp: 112888

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0

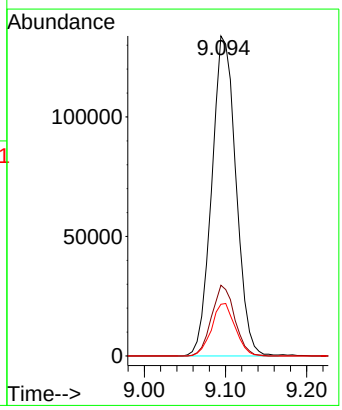


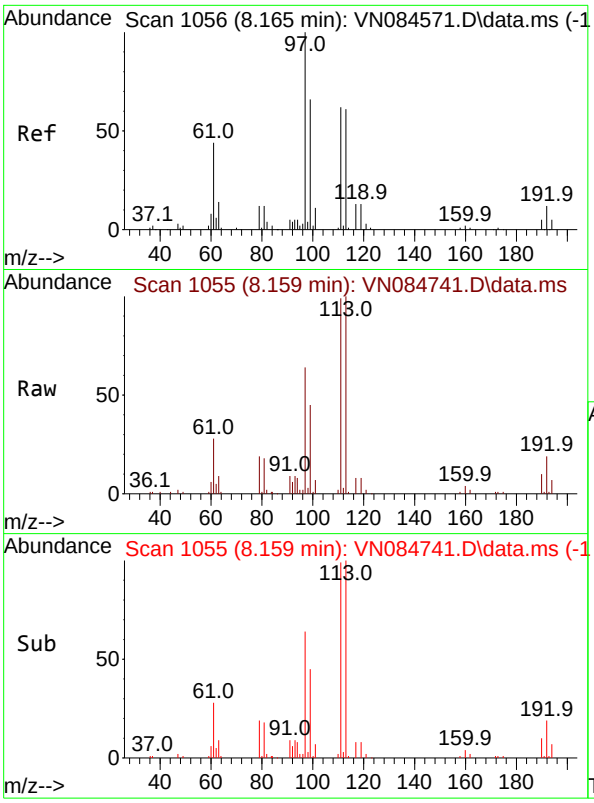


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:114 Resp: 277196

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.2	0.0	31.6



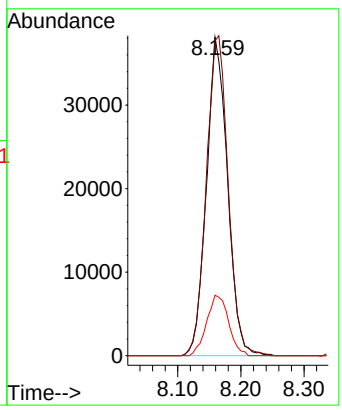


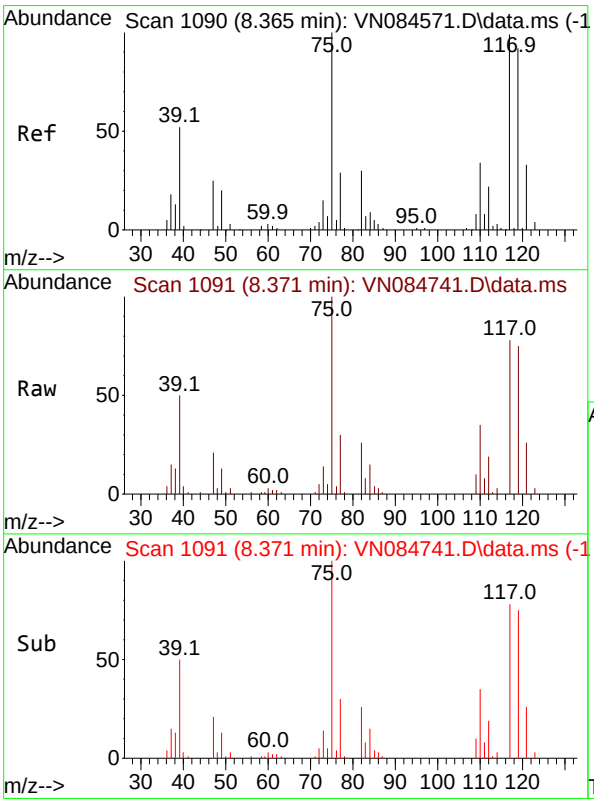
#35
Dibromofluoromethane
Concen: 47.126 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:113 Resp: 88421

Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.3	124.9
192	19.7	13.5	20.3

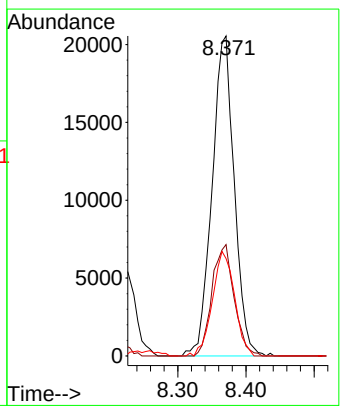


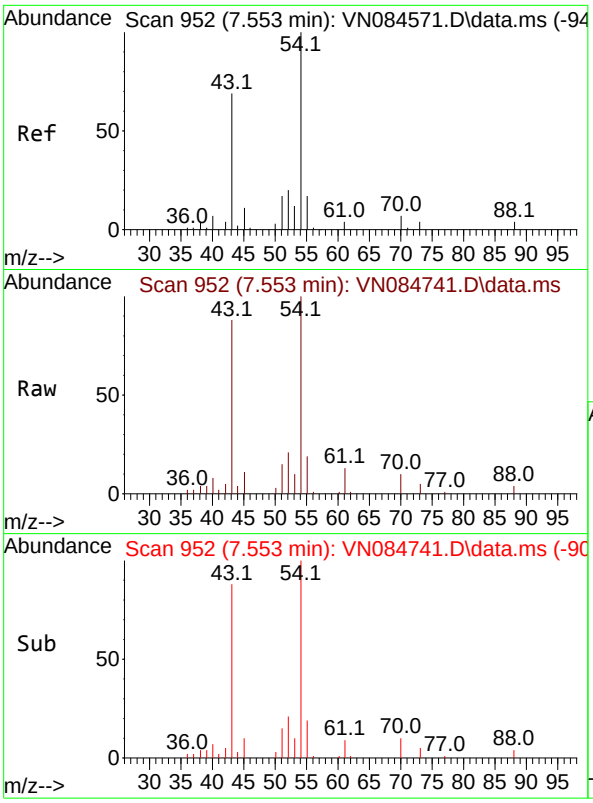


#36
1,1-Dichloropropene
Concen: 17.906 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 46594

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.7
77	32.5	24.7	37.1



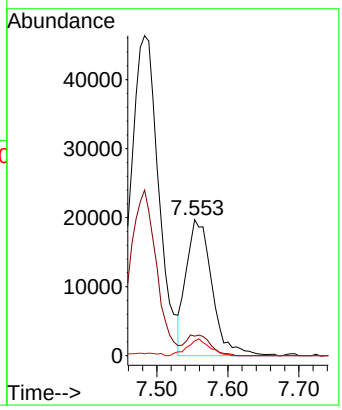


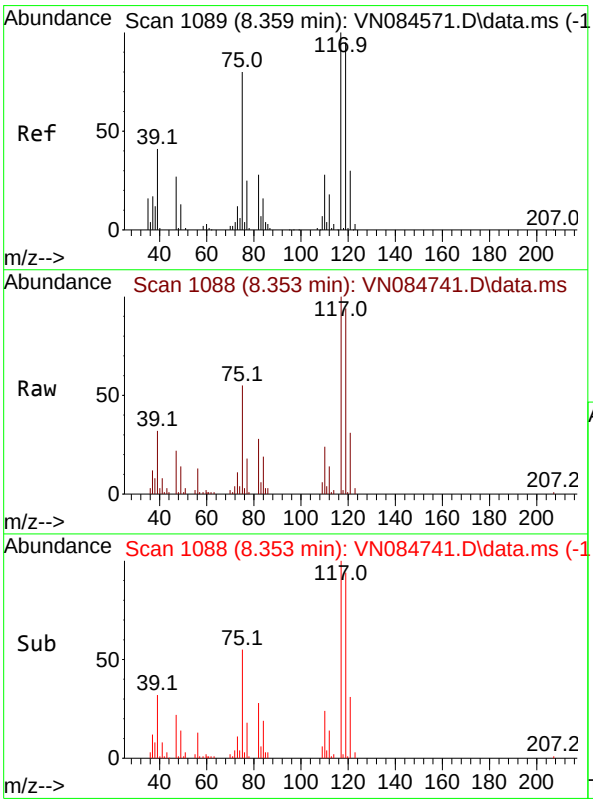
#37
Ethyl Acetate
Concen: 21.105 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 49828

Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	10.6	8.8	13.2

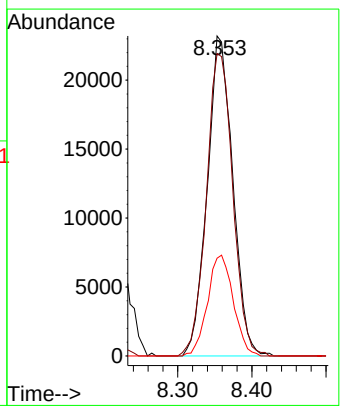


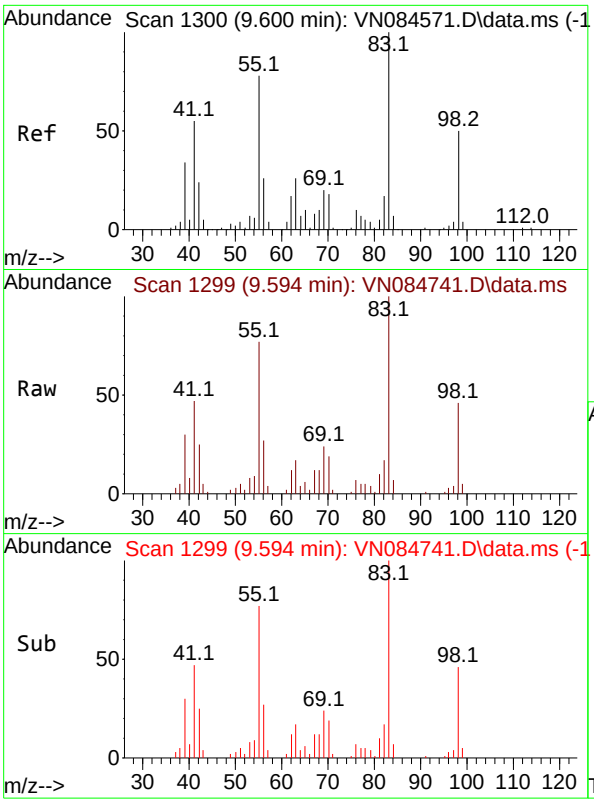


#38
Carbon Tetrachloride
Concen: 19.080 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:117 Resp: 55495

Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	30.6	24.4	36.6



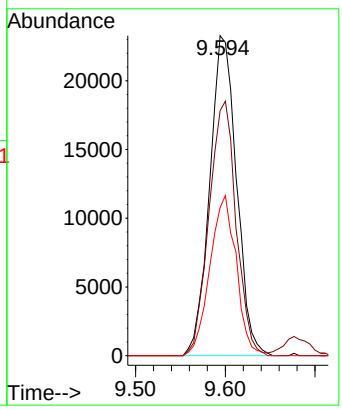


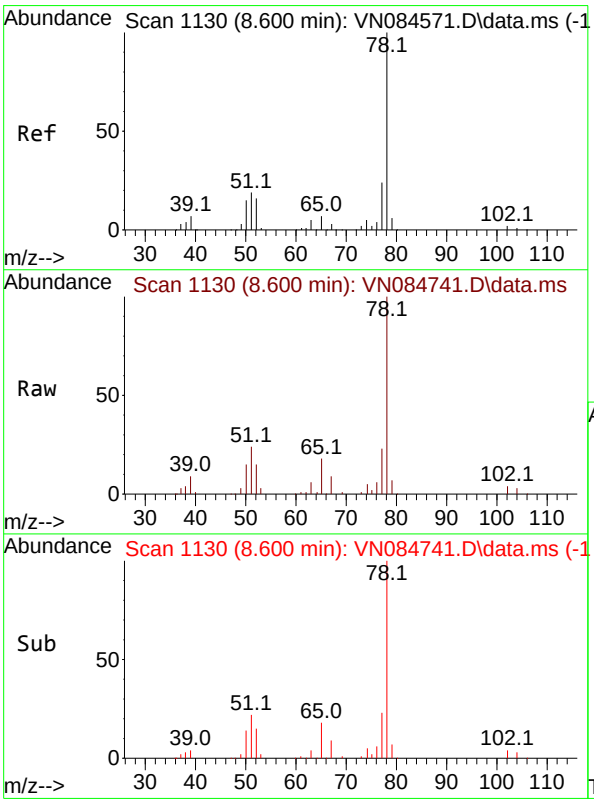
#39
Methylcyclohexane
Concen: 18.281 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 83 Resp: 48395

Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.8	94.2
98	46.3	38.8	58.2

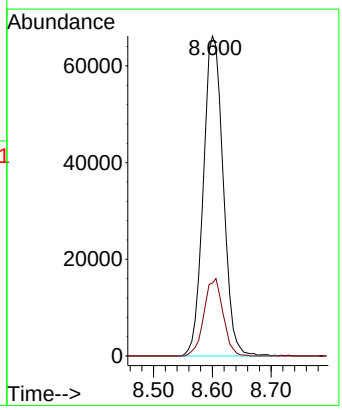


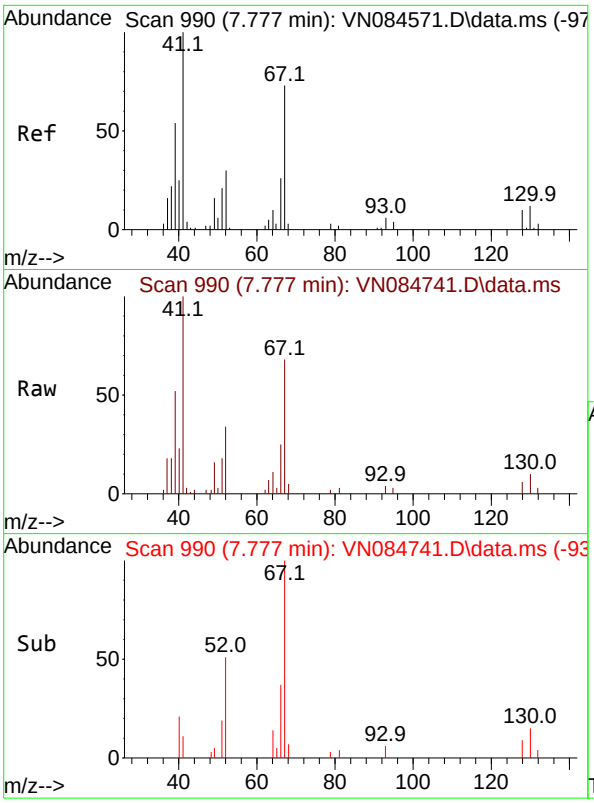


#40
Benzene
Concen: 18.616 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 78 Resp: 155569

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7



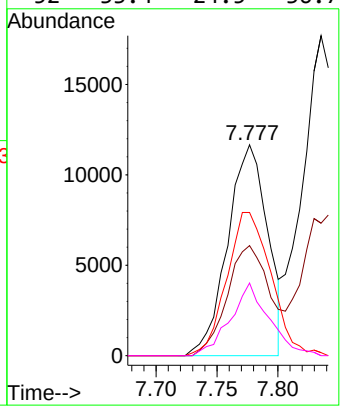


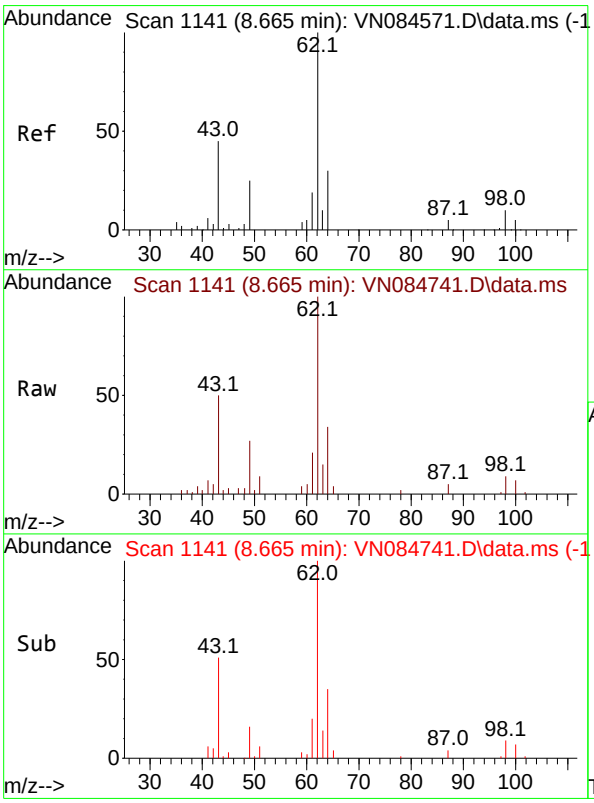
#41
Methacrylonitrile
Concen: 20.997 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 41 Resp: 26658

Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.3	64.9
67	74.9	56.1	84.1
52	33.4	24.5	36.7

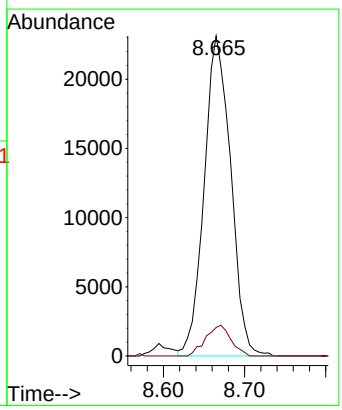


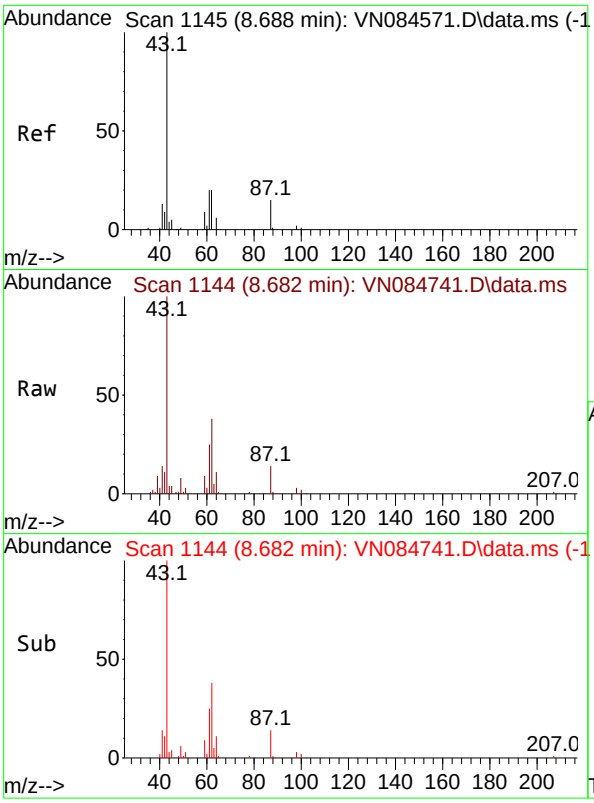


#42
1,2-Dichloroethane
Concen: 19.417 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 62 Resp: 52550

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



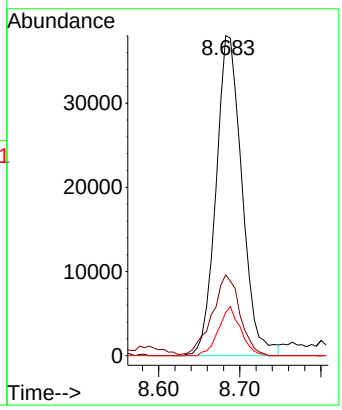


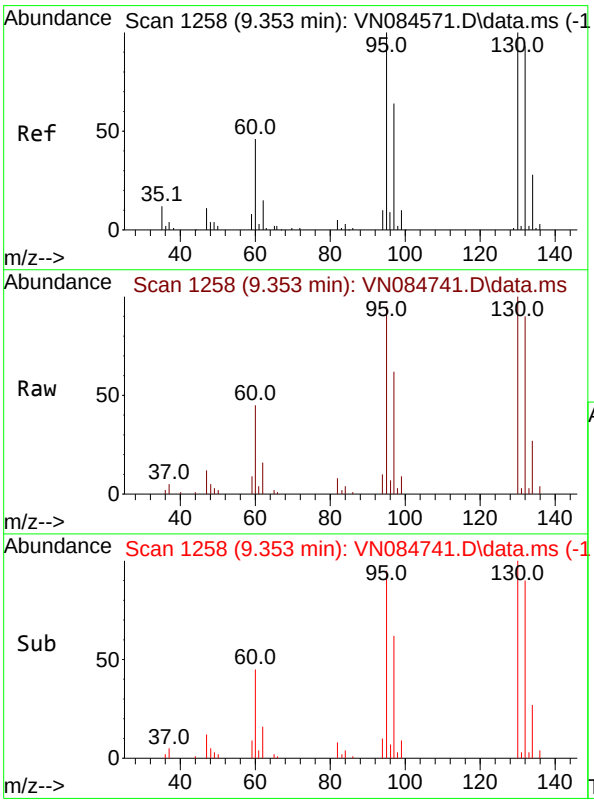
#43
Isopropyl Acetate
Concen: 18.797 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 84614

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.0	10.3	15.5

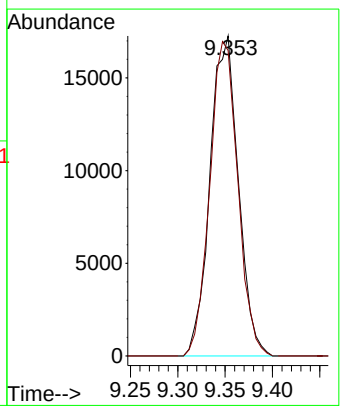


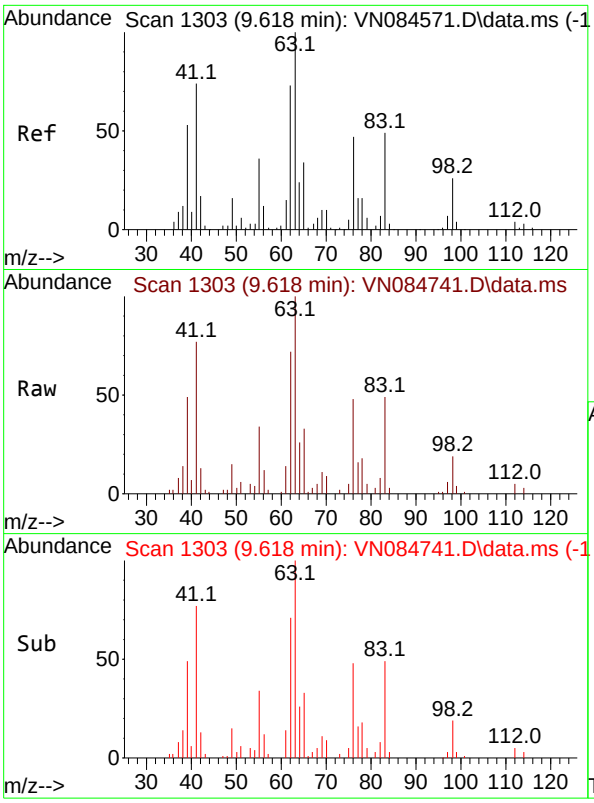


#44
Trichloroethene
Concen: 18.655 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:130 Resp: 35954

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	203.0



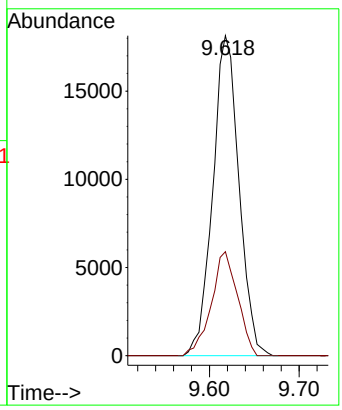


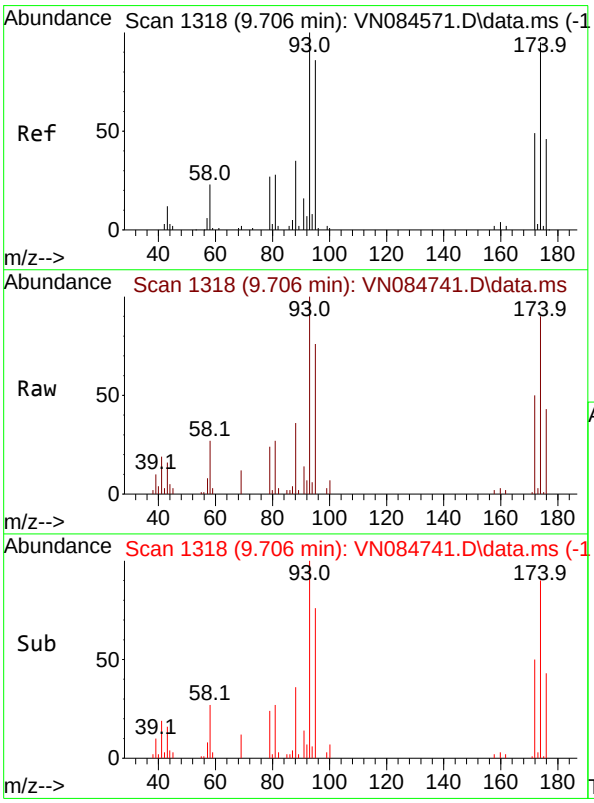
#45
1,2-Dichloropropane
Concen: 18.755 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 63 Resp: 36767

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

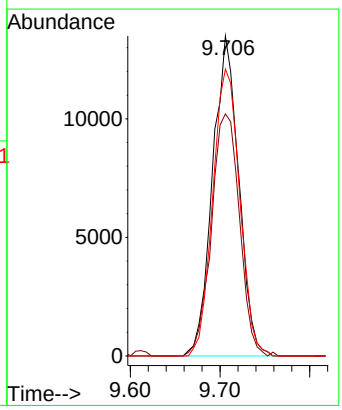


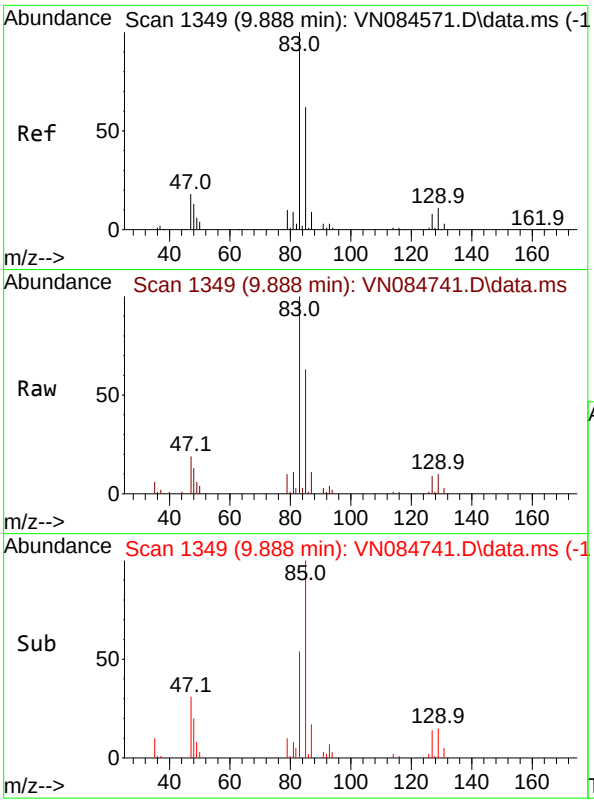


#46
Dibromomethane
Concen: 19.711 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 93 Resp: 27266

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.4
174	92.6	71.8	107.8



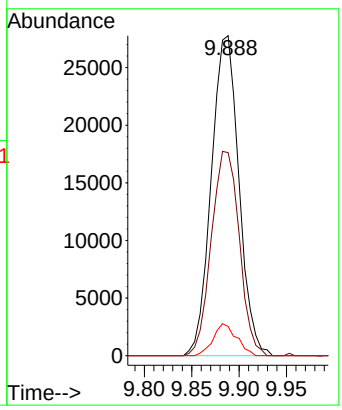


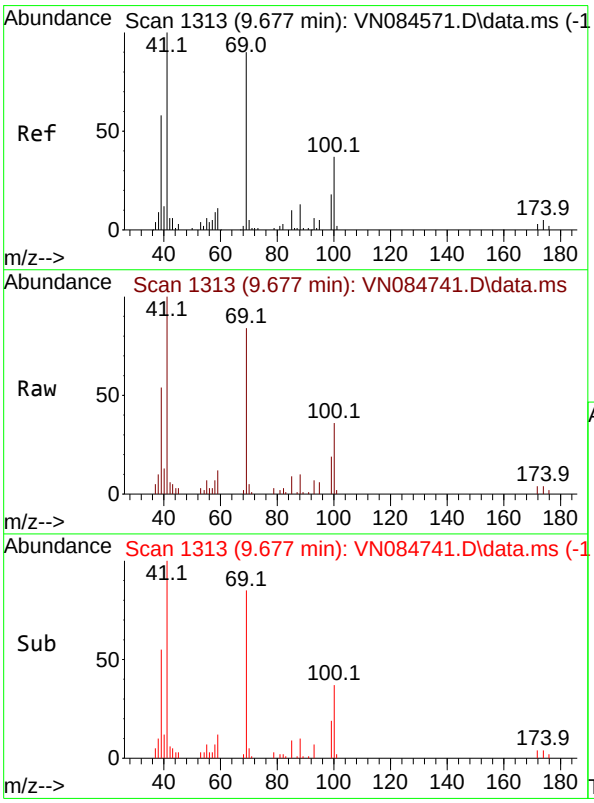
#47
Bromodichloromethane
Concen: 19.285 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 83 Resp: 56233

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	9.1	5.7	8.5#

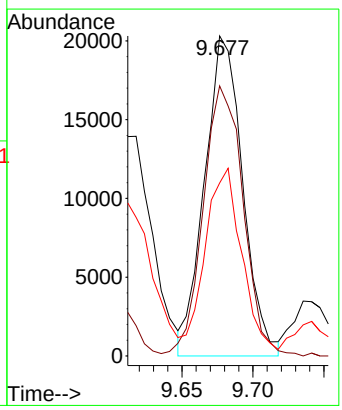


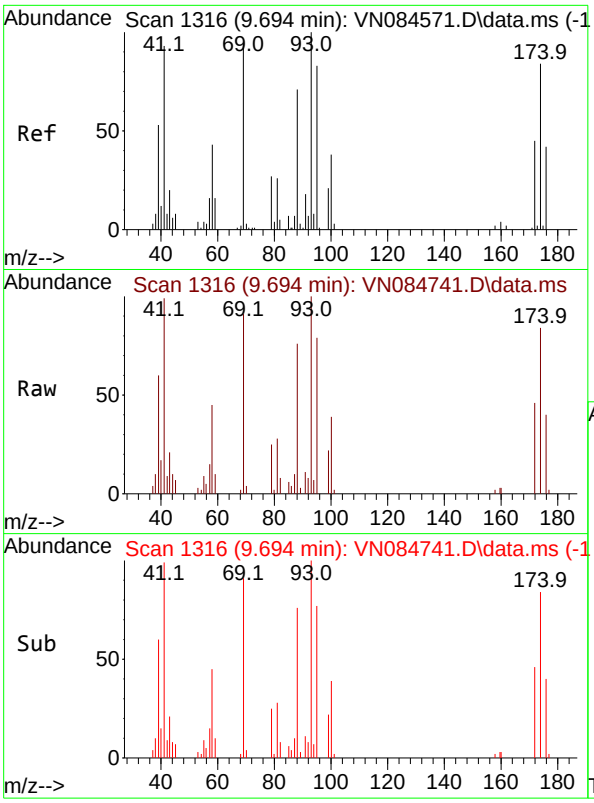


#48
Methyl methacrylate
Concen: 20.627 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 41 Resp: 37901

Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.1	100.7
39	57.6	45.8	68.6



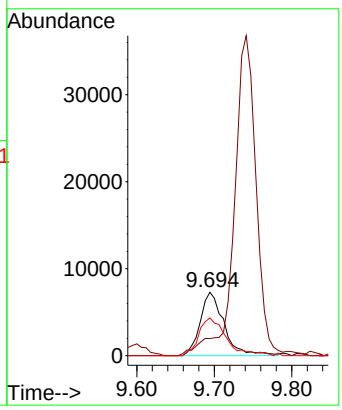


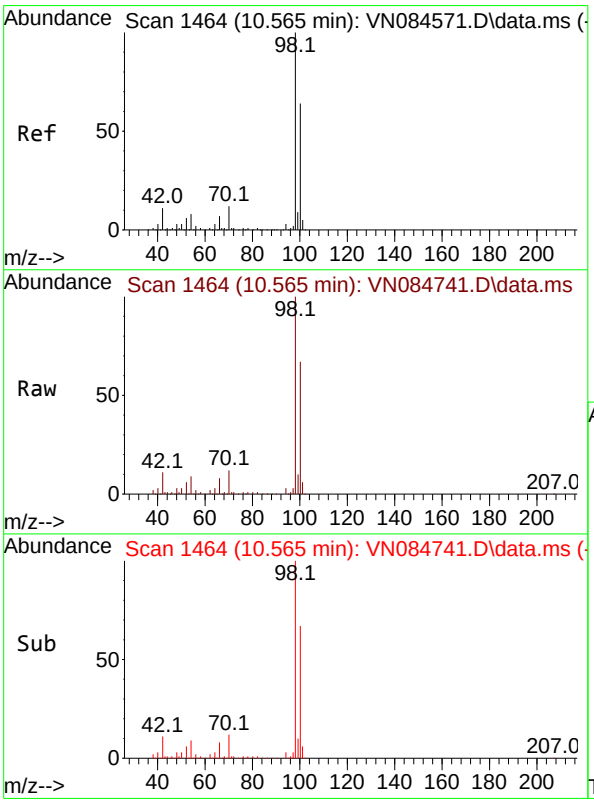
#49
1,4-Dioxane
Concen: 480.210 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 88 Resp: 15636

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	68.1	56.4	84.6

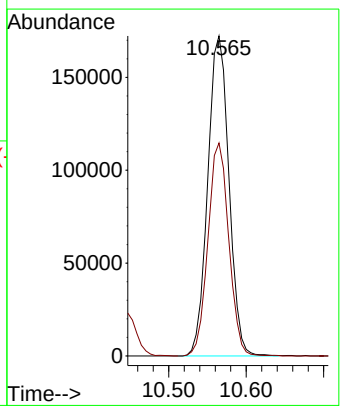


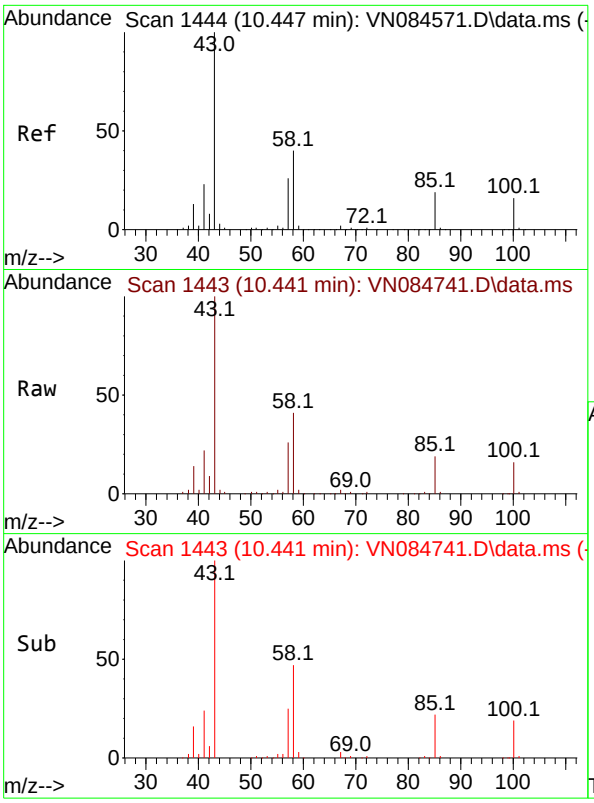


#50
Toluene-d8
Concen: 47.298 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 98 Resp: 326909

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



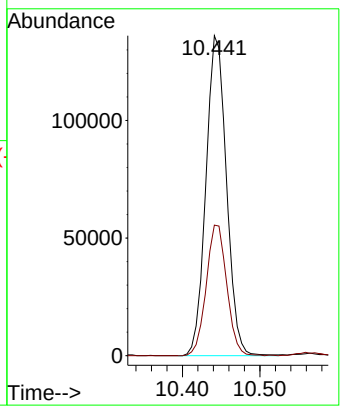


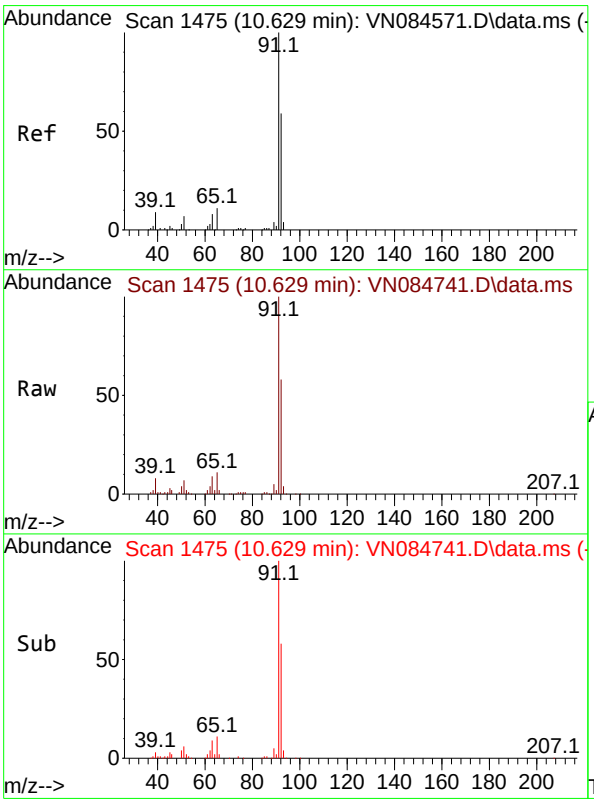
#51
4-Methyl-2-Pentanone
Concen: 111.343 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 250598

Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.6	47.4

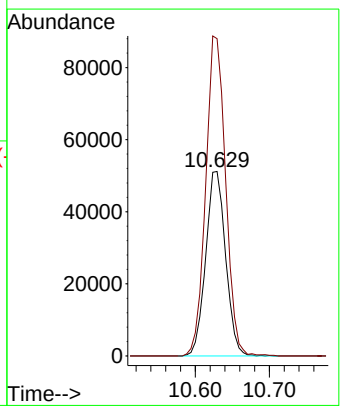


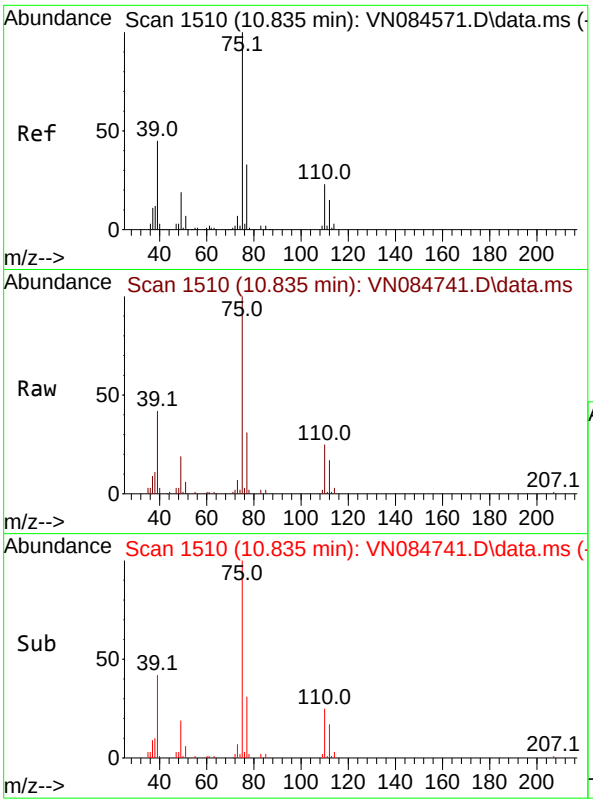


#52
Toluene
Concen: 19.585 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 92 Resp: 95723

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.3	205.9



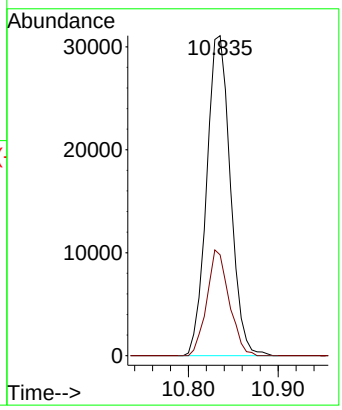


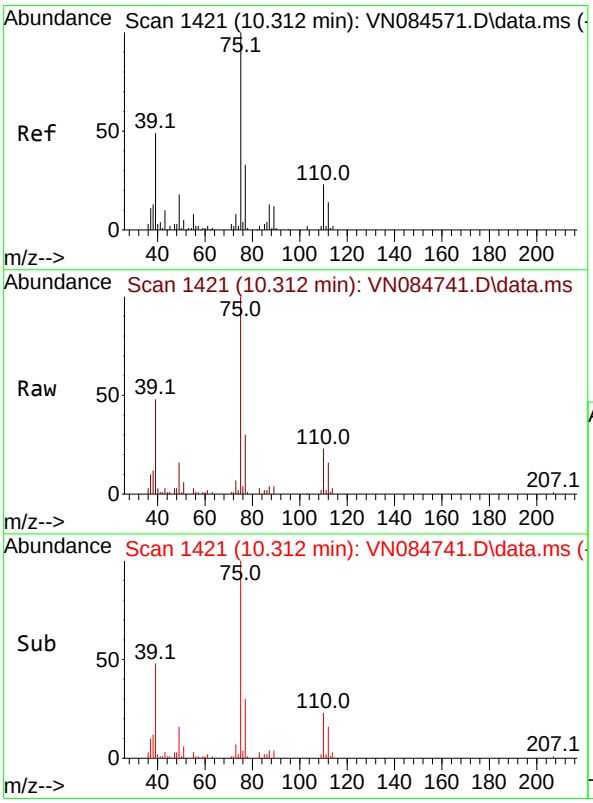
#53
t-1,3-Dichloropropene
Concen: 18.908 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 75 Resp: 57070

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

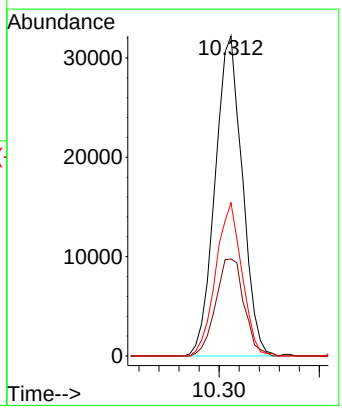


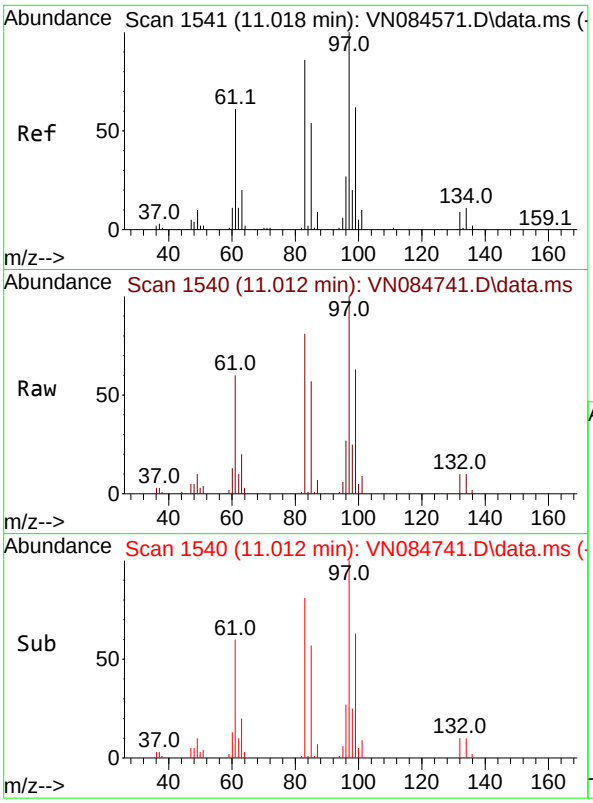


#54
cis-1,3-Dichloropropene
Concen: 18.955 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 60551

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.2	36.2
39	47.9	38.7	58.1



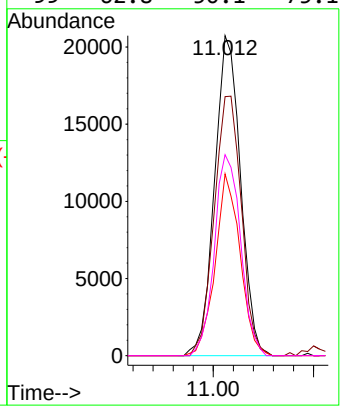


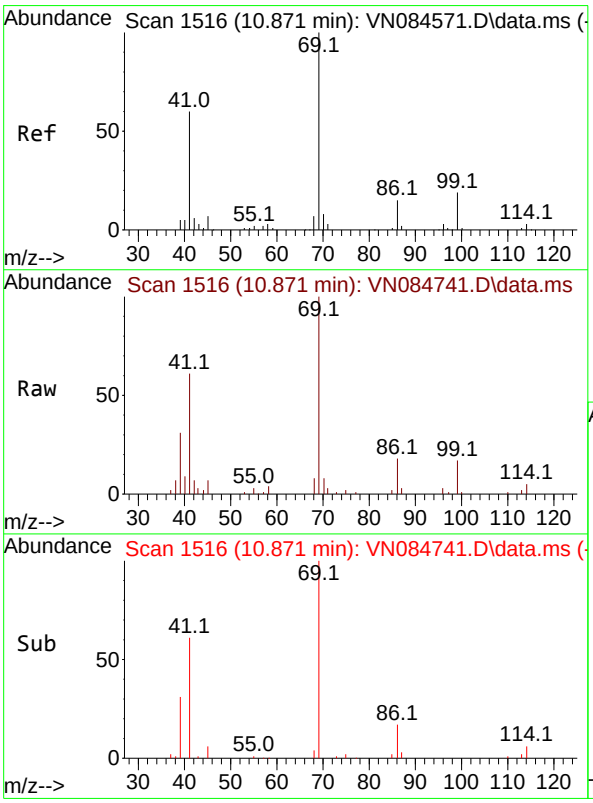
#55
1,1,2-Trichloroethane
Concen: 20.202 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 97 Resp: 37192

Ion	Ratio	Lower	Upper
97	100		
83	80.9	71.0	106.4
85	56.8	41.7	62.5
99	62.8	50.1	75.1

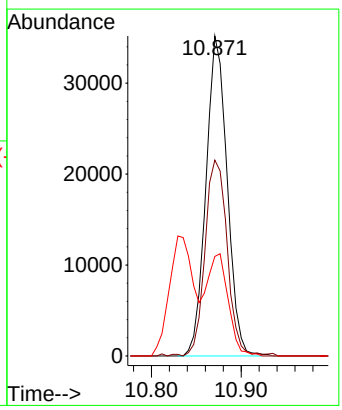


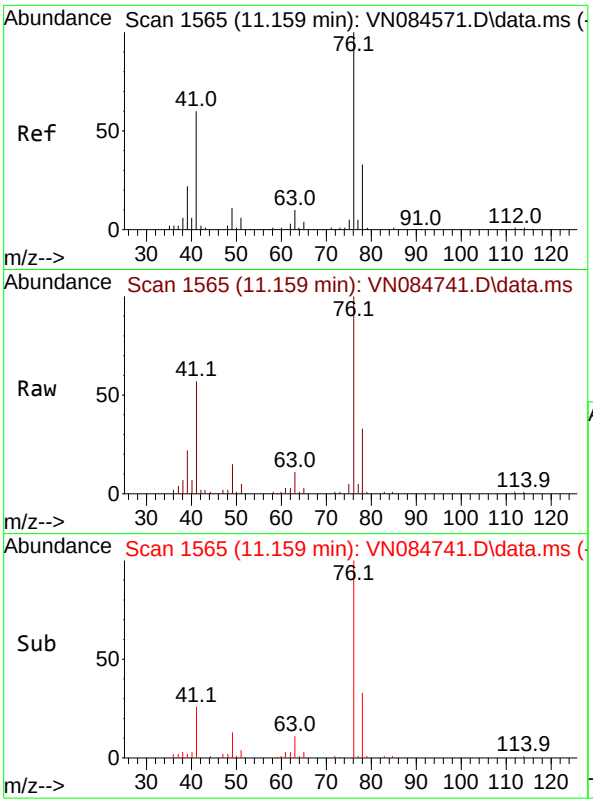


#56
Ethyl methacrylate
Concen: 21.701 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 69 Resp: 57790

Ion	Ratio	Lower	Upper
69	100		
41	64.4	53.3	79.9
39	33.0	28.8	43.2



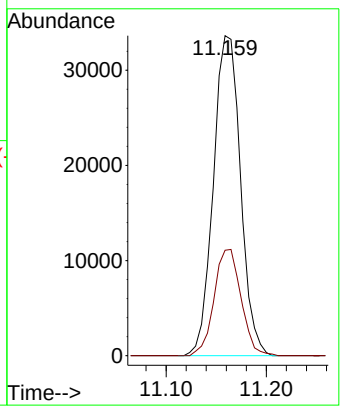


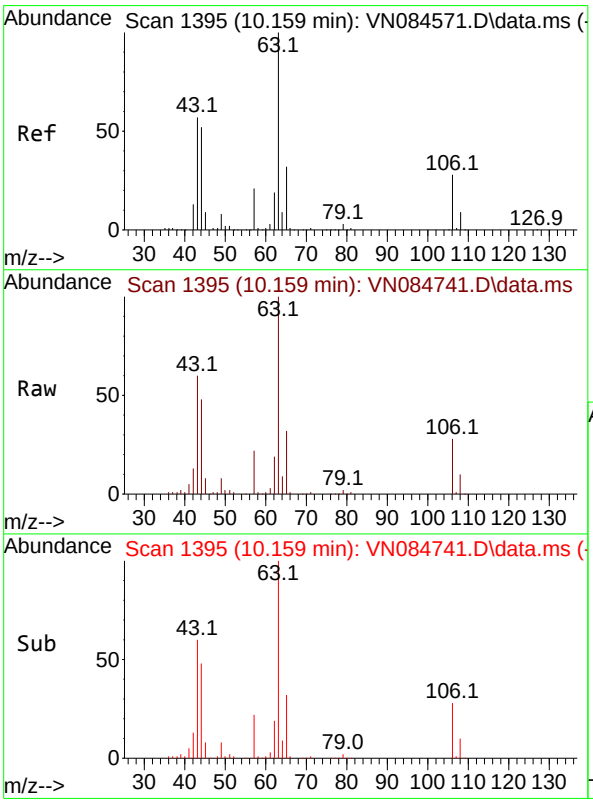
#57
1,3-Dichloropropane
Concen: 19.984 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 76 Resp: 63144

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

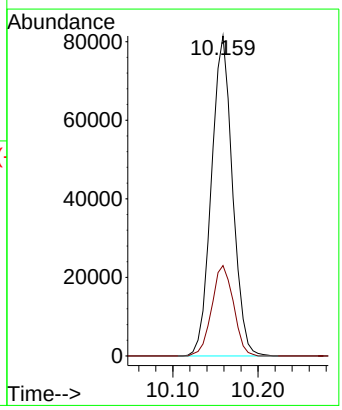


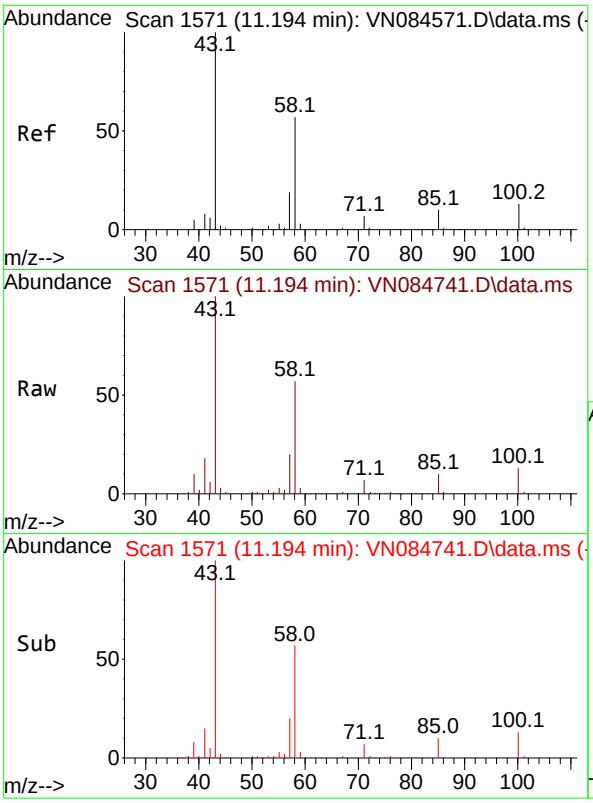


#58
2-Chloroethyl Vinyl ether
Concen: 112.259 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 63 Resp: 139887

Ion	Ratio	Lower	Upper
63	100		
106	29.1	21.8	32.6



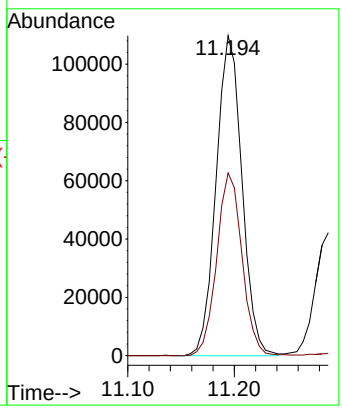


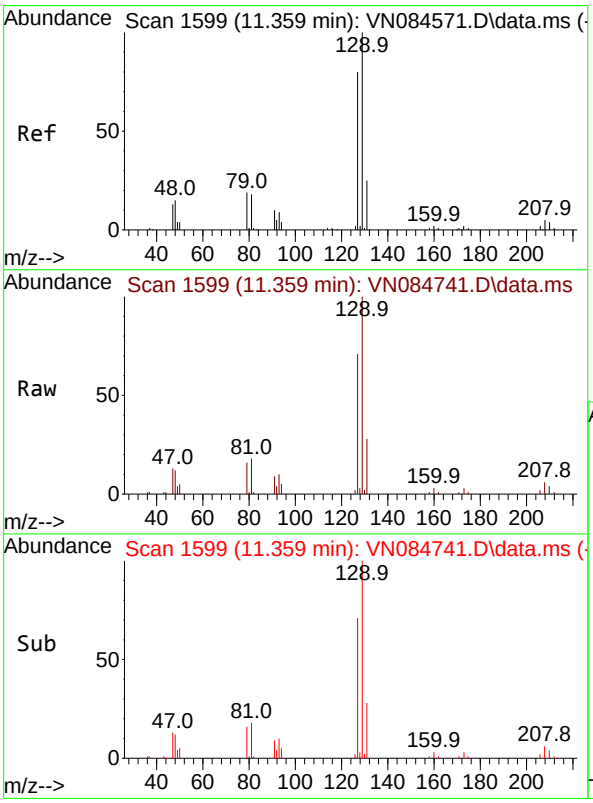
#59
2-Hexanone
Concen: 112.663 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 43 Resp: 184568

Ion	Ratio	Lower	Upper
43	100		
58	55.9	27.3	81.8

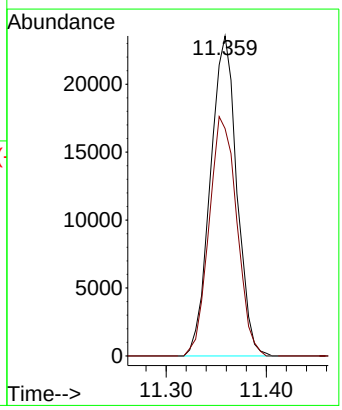


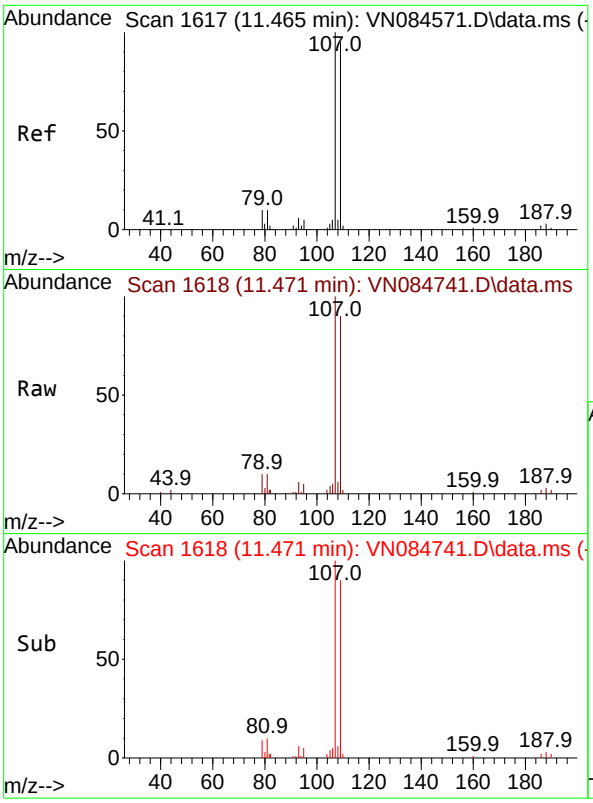


#60
Dibromochloromethane
Concen: 20.531 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:129 Resp: 43079

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.3	114.9



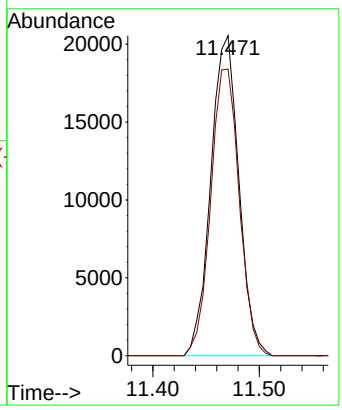


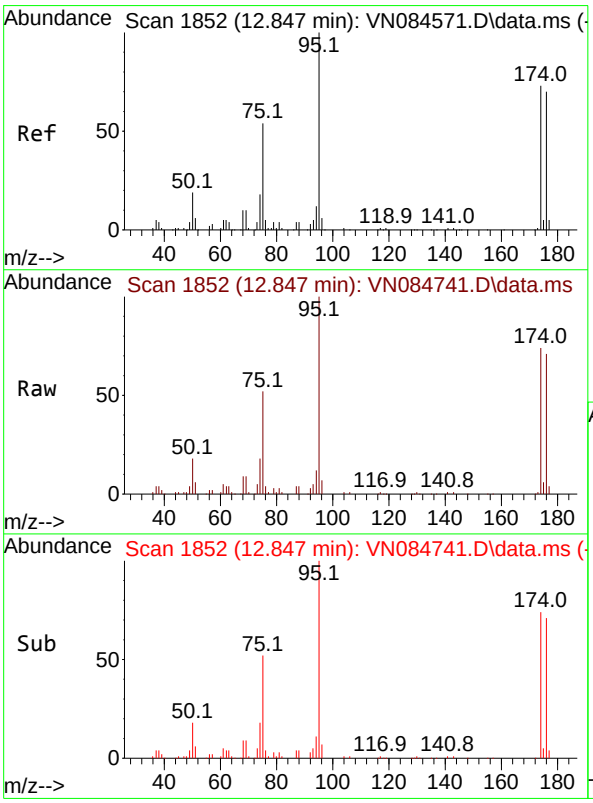
#61
1,2-Dibromoethane
Concen: 19.953 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:107 Resp: 37618

Ion	Ratio	Lower	Upper
107	100		
109	91.0	75.4	113.0

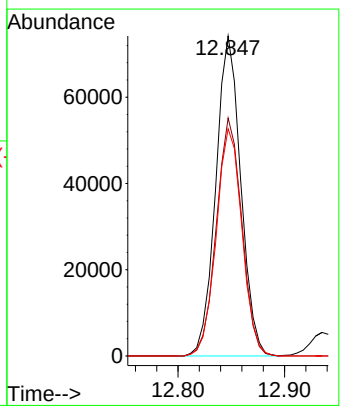


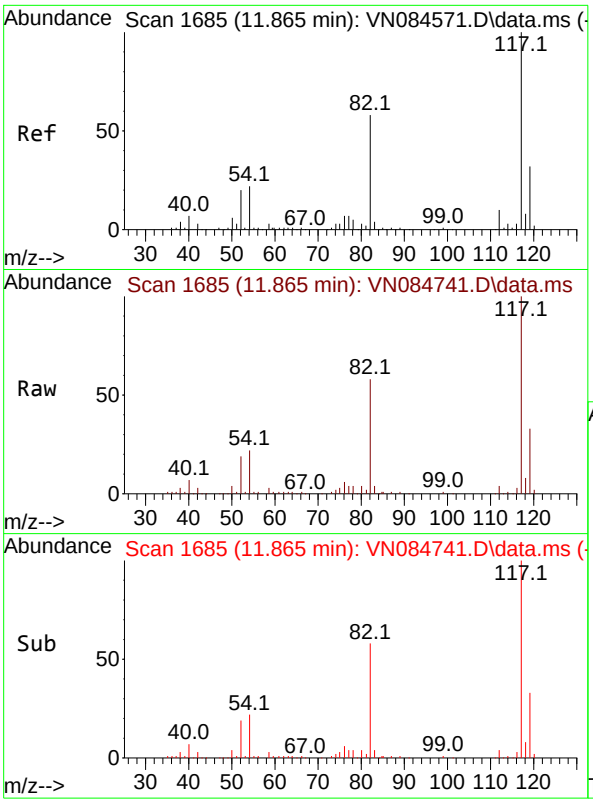


#62
4-Bromofluorobenzene
Concen: 46.773 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 95 Resp: 120820

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	73.1	0.0	140.0



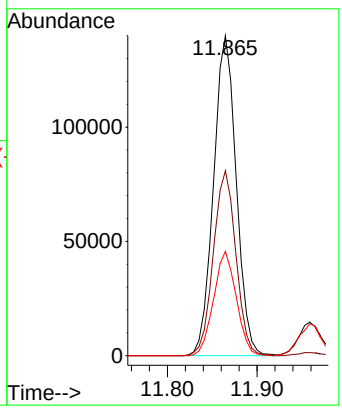


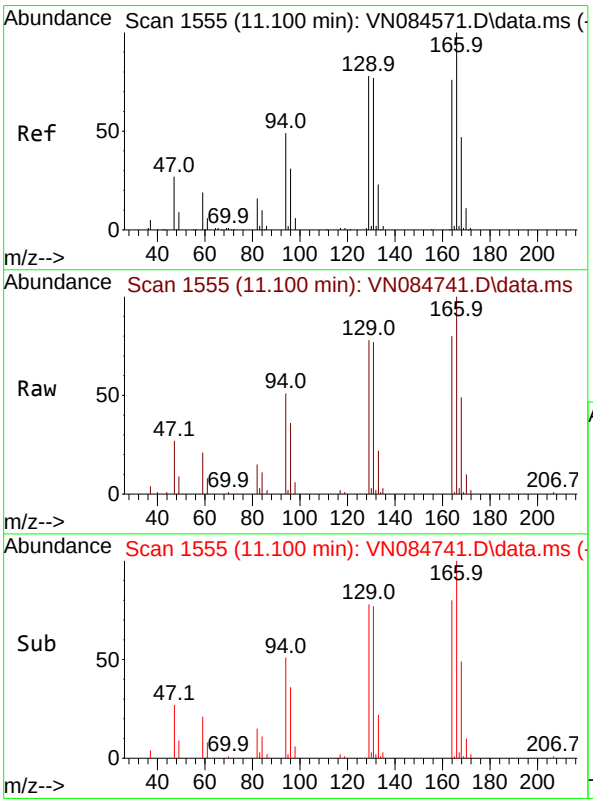
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:117 Resp: 246235

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.6	25.4	38.0

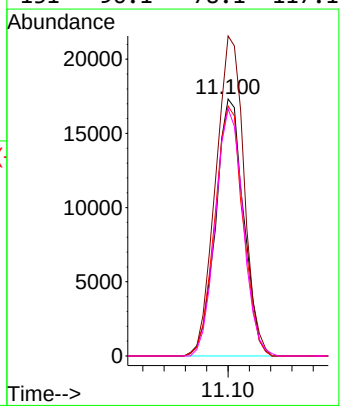


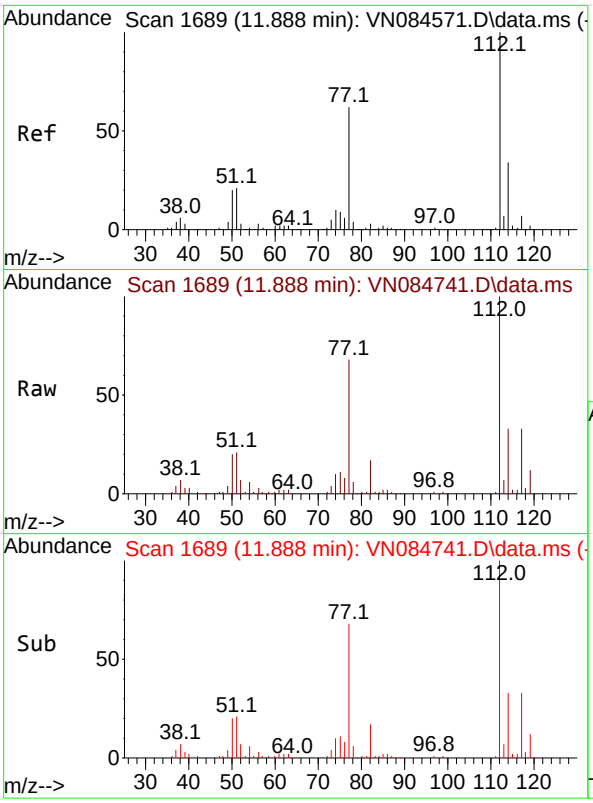


#64
Tetrachloroethene
Concen: 19.248 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:164 Resp: 31525

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.0	151.4
129	97.2	80.8	121.2
131	96.1	78.1	117.1



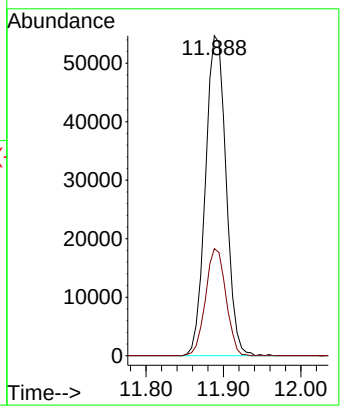


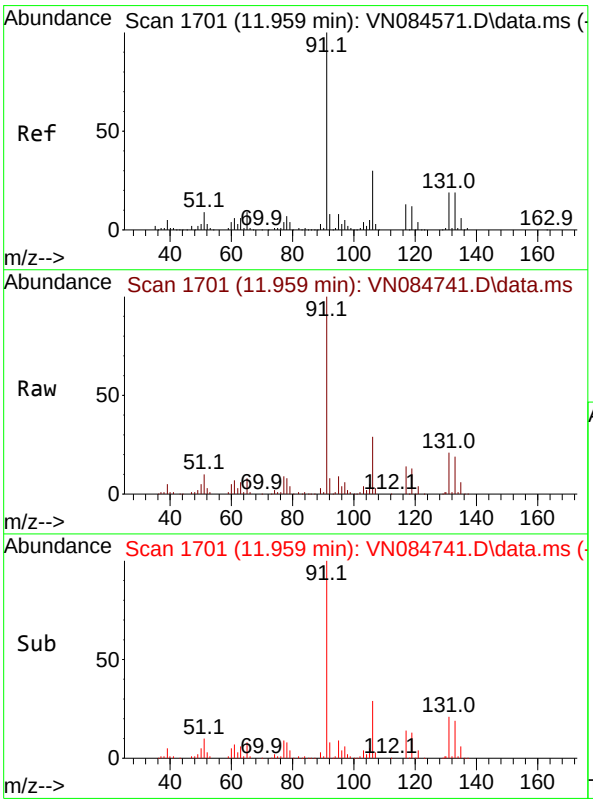
#65
Chlorobenzene
Concen: 18.308 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:112 Resp: 100856

Ion	Ratio	Lower	Upper
112	100		
114	33.5	27.0	40.6

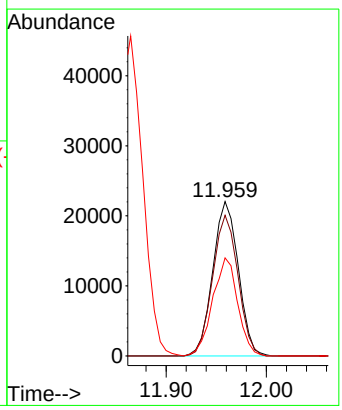


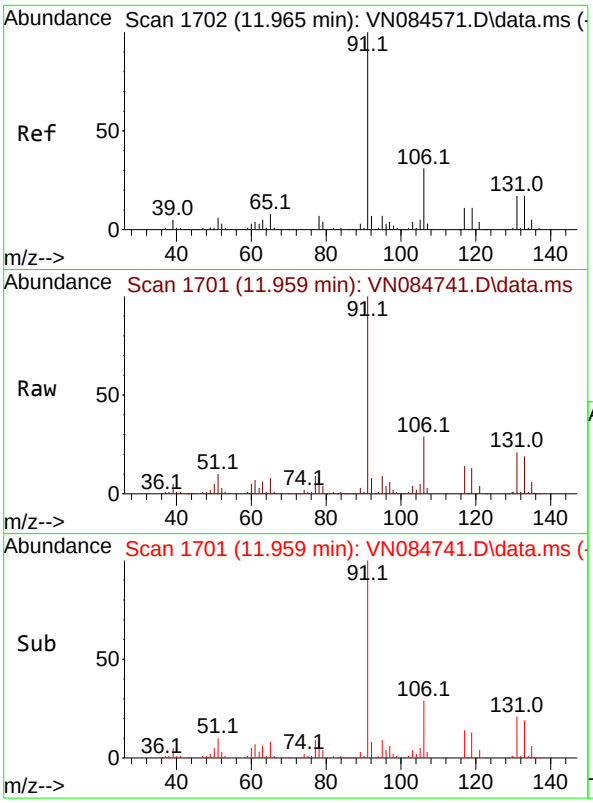


#66
1,1,1,2-Tetrachloroethane
Concen: 20.306 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:131 Resp: 38908

Ion	Ratio	Lower	Upper
131	100		
133	90.7	47.9	143.7
119	62.4	32.8	98.3



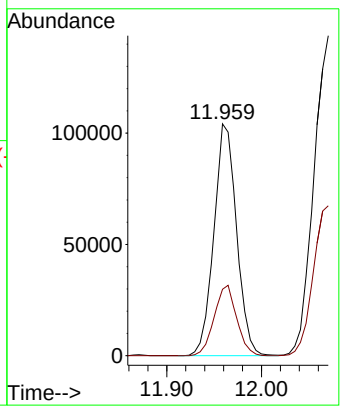


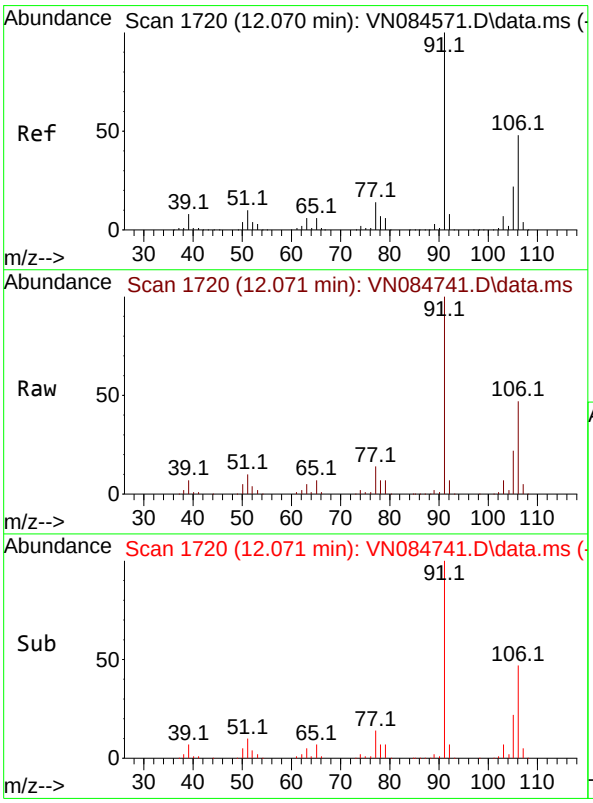
#67
Ethyl Benzene
Concen: 18.858 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 91 Resp: 173400

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.5	36.7

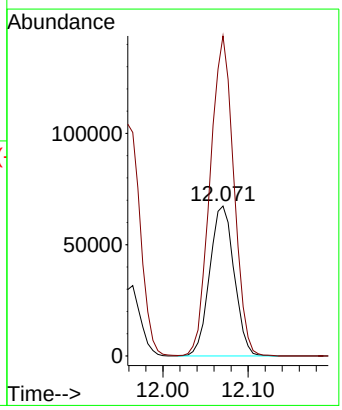


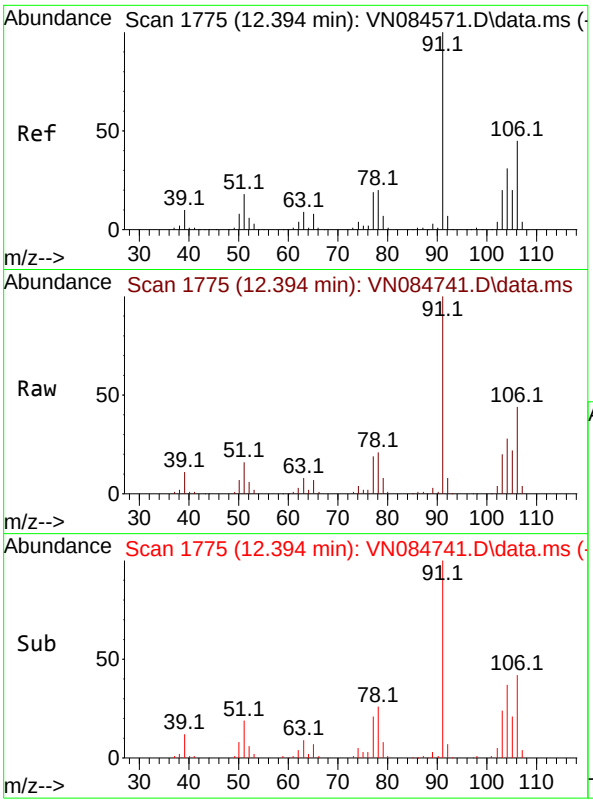


#68
m/p-Xylenes
Concen: 38.667 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:106 Resp: 134607

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.1	250.7



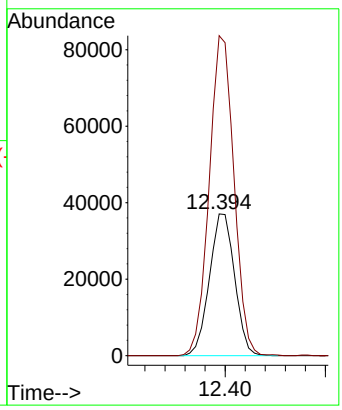


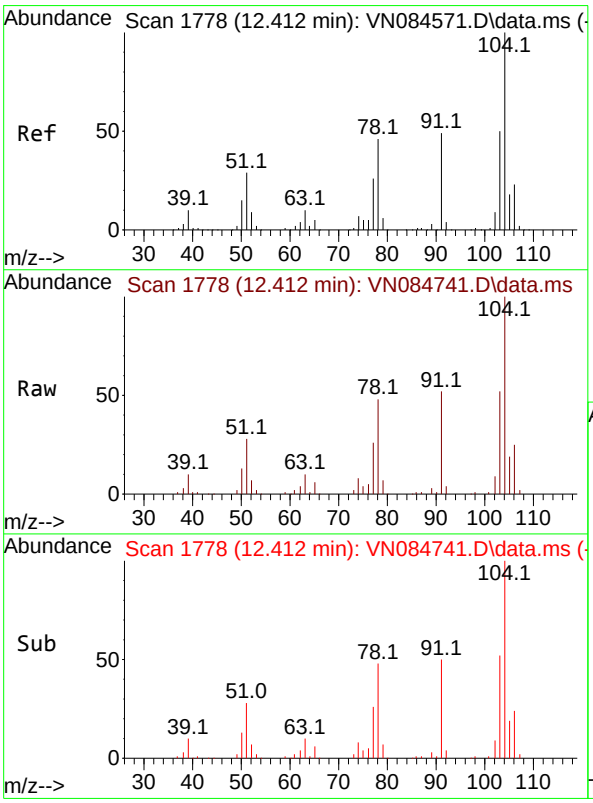
#69
o-Xylene
Concen: 19.856 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:106 Resp: 64664

Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.2	330.6

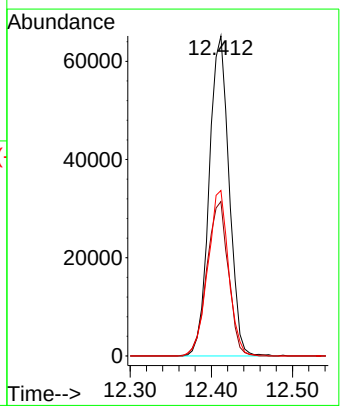


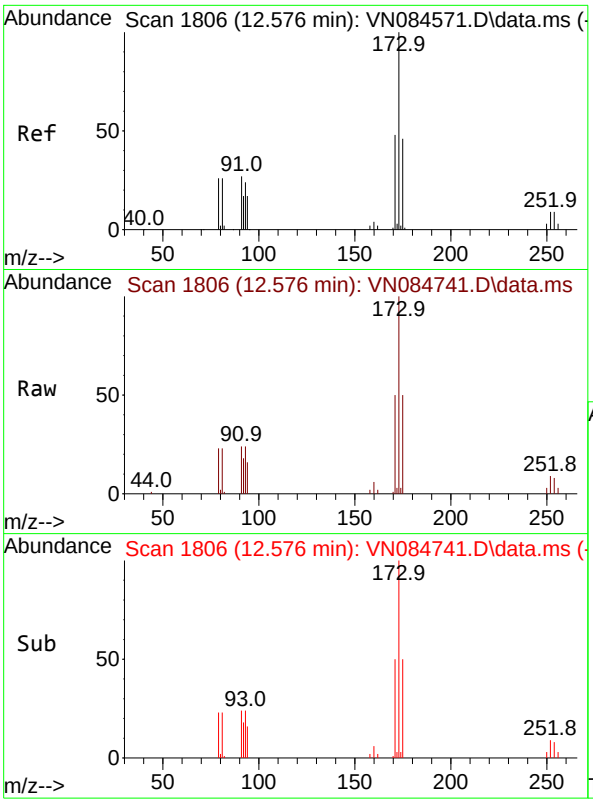


#70
Styrene
Concen: 19.517 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:104 Resp: 110872

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.7	64.1
103	54.1	43.6	65.4



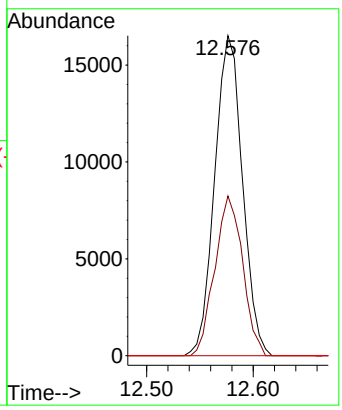


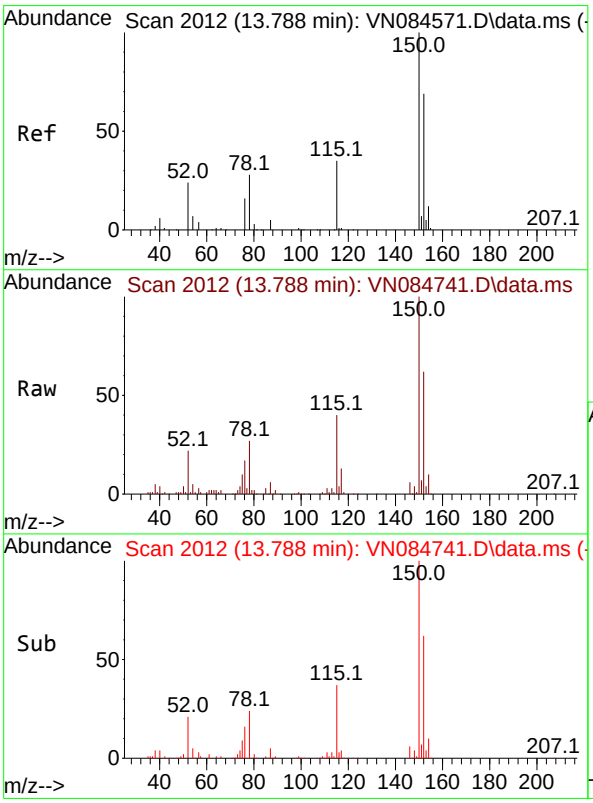
#71
Bromoform
Concen: 20.725 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:173 Resp: 29882

Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.5	70.6
254	0.0	0.0	0.0

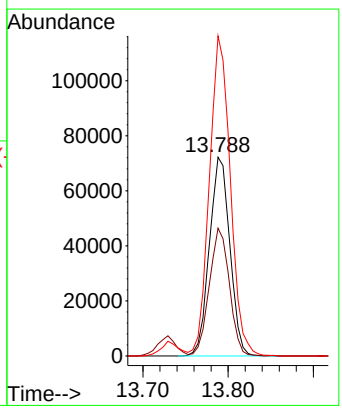


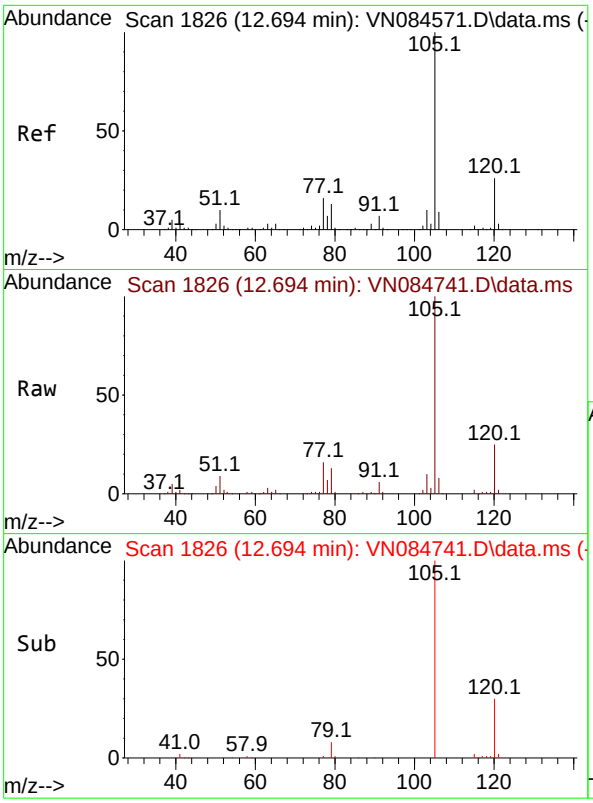


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:152 Resp: 120765

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	164.7	0.0	349.8



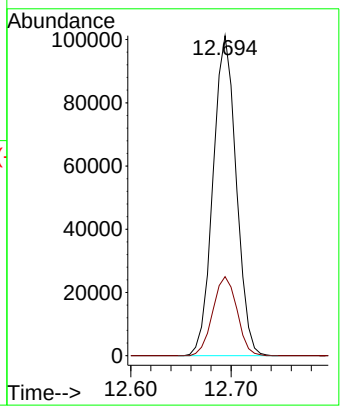


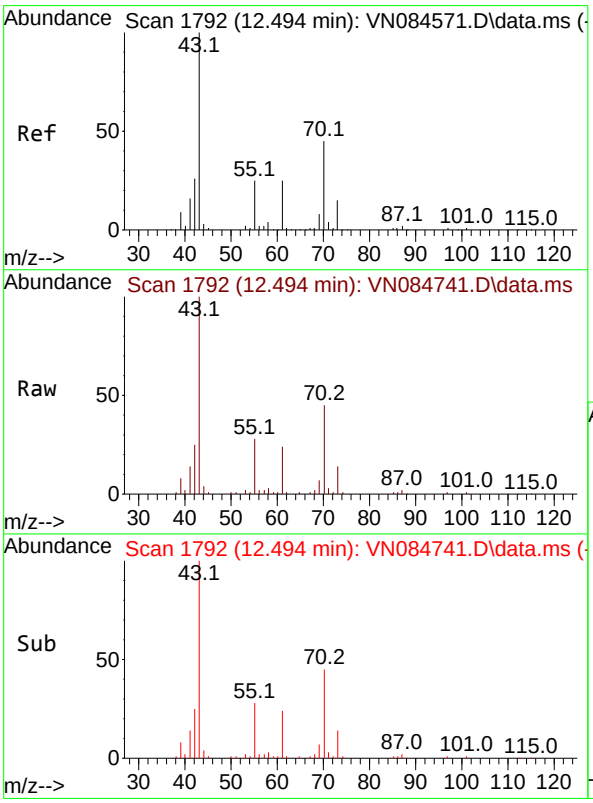
#73
Isopropylbenzene
Concen: 19.230 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:105 Resp: 162742

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

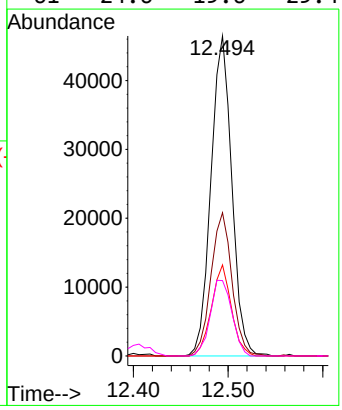


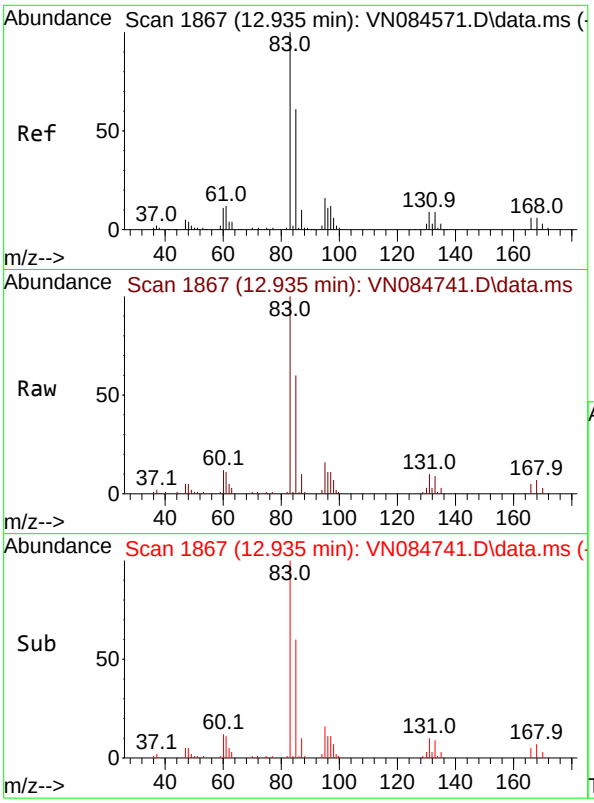


#74
N-amyl acetate
Concen: 19.767 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 43 Resp: 71201

Ion	Ratio	Lower	Upper
43	100		
70	45.1	34.4	51.6
55	27.1	19.6	29.4
61	24.6	19.6	29.4



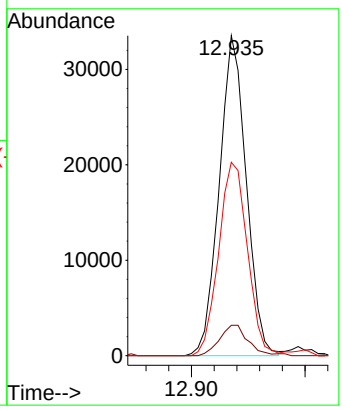


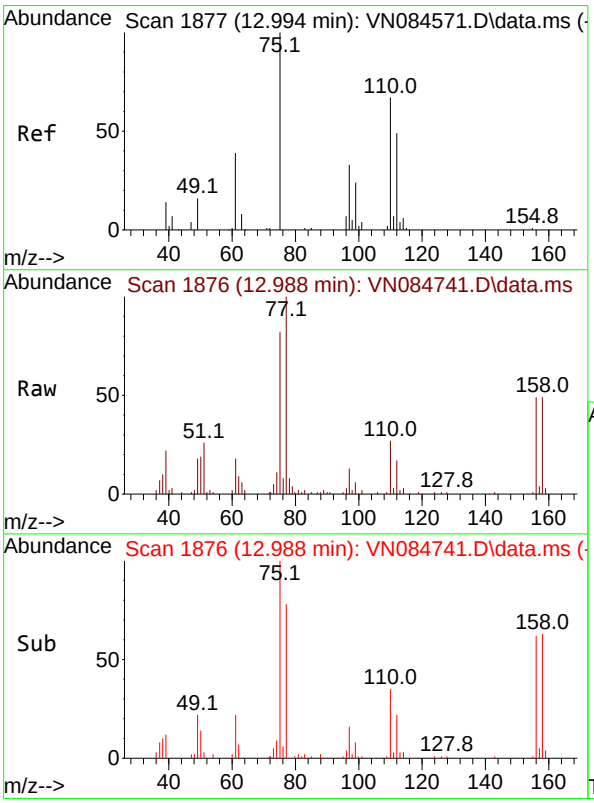
#75
1,1,2,2-Tetrachloroethane
Concen: 19.635 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 83 Resp: 55464

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.6	31.9	95.7

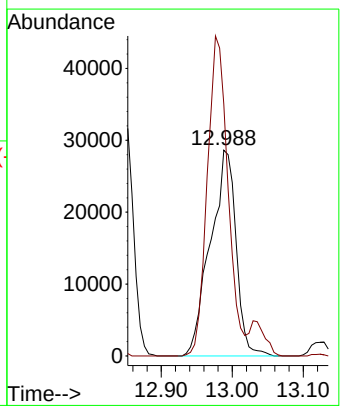


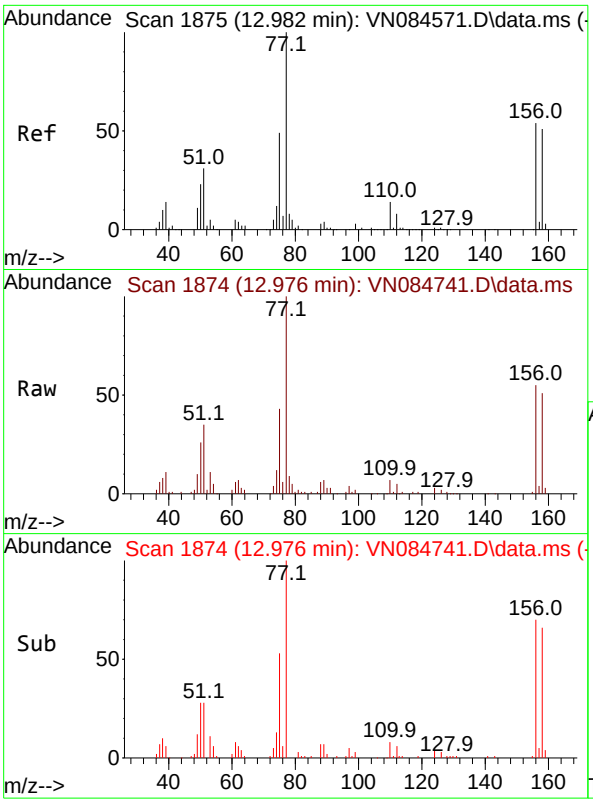


#76
1,2,3-Trichloropropane
Concen: 29.740 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 71794

Ion	Ratio	Lower	Upper
75	100		
77	124.9	96.9	290.7



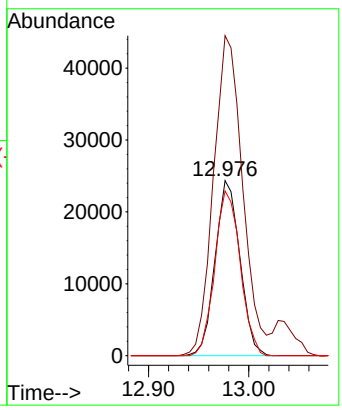


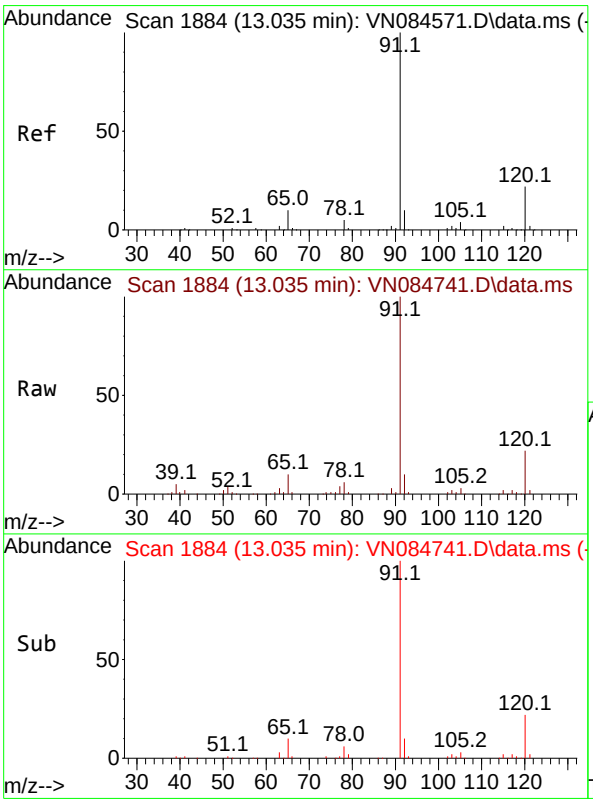
#77
Bromobenzene
Concen: 18.411 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:156 Resp: 41887

Ion	Ratio	Lower	Upper
156	100		
77	214.0	115.1	345.3
158	96.4	48.9	146.8

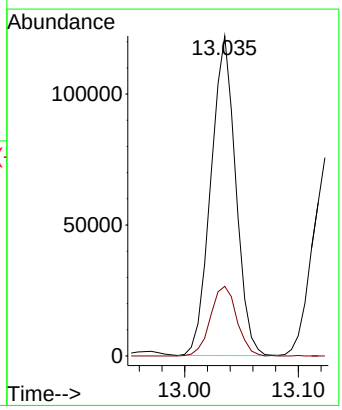


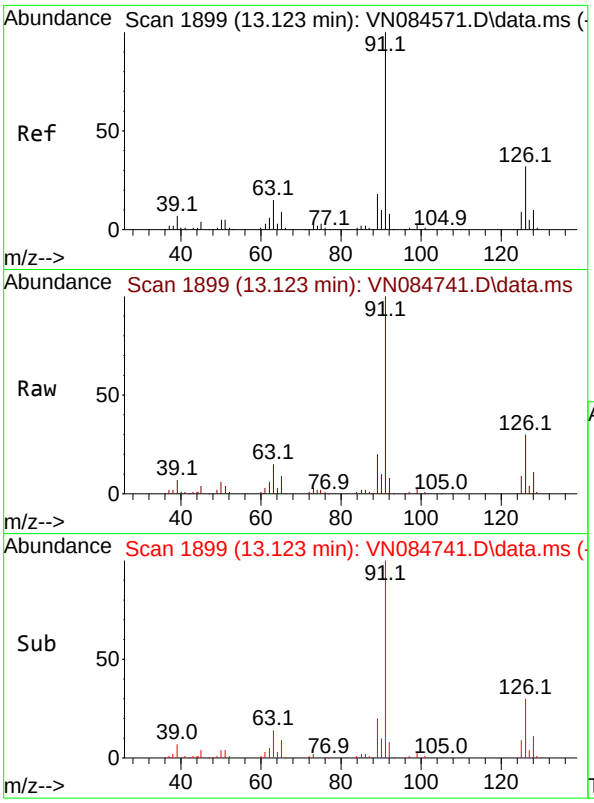


#78
n-propylbenzene
Concen: 18.660 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 185049

Ion	Ratio	Lower	Upper
91	100		
120	23.1	10.8	32.4



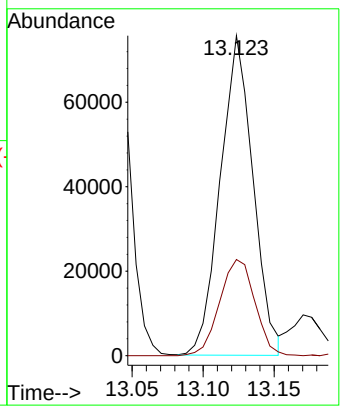


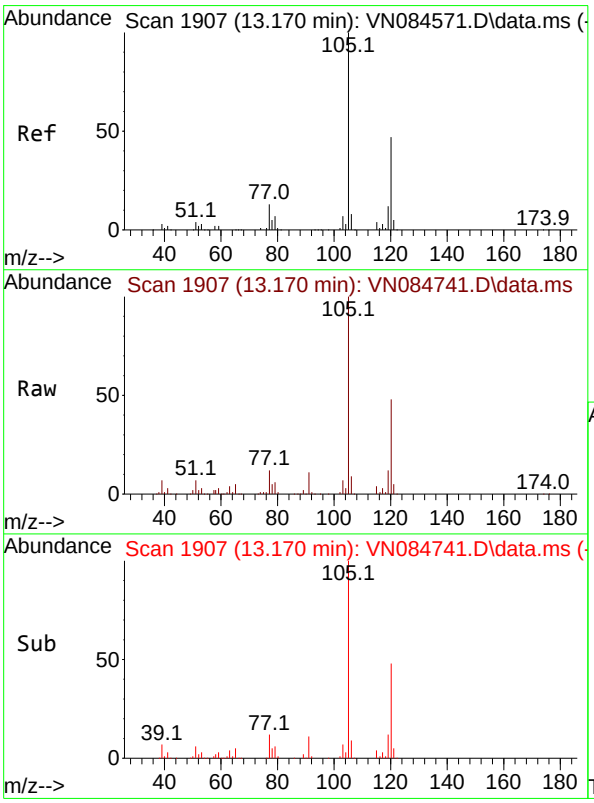
#79
2-Chlorotoluene
Concen: 18.733 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 91 Resp: 121386

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

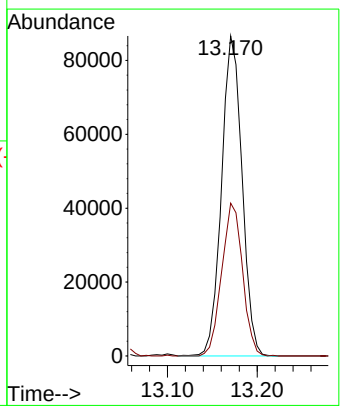


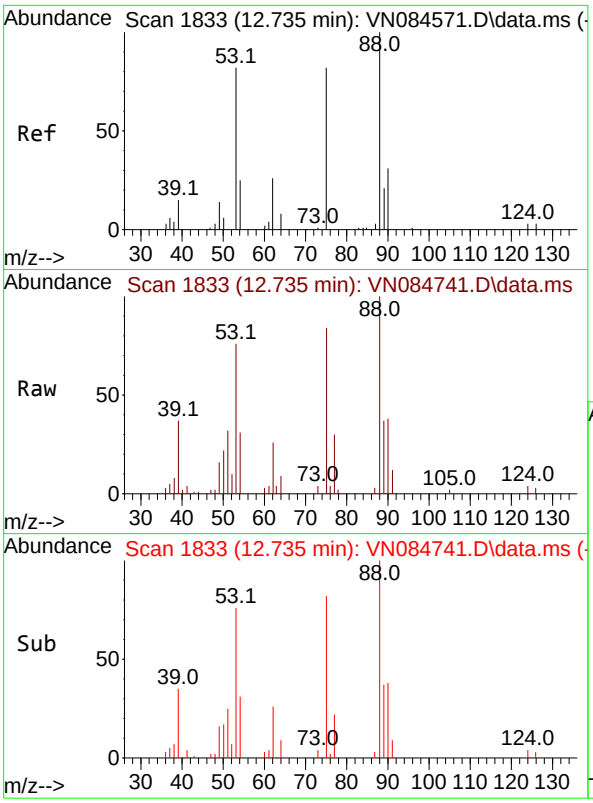


#80
1,3,5-Trimethylbenzene
Concen: 19.609 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 137545

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1



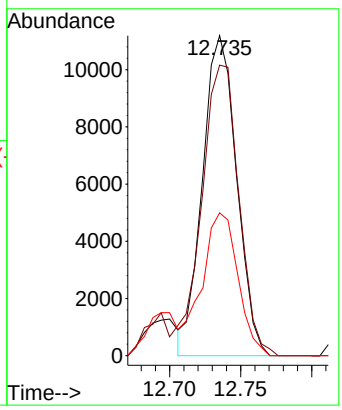


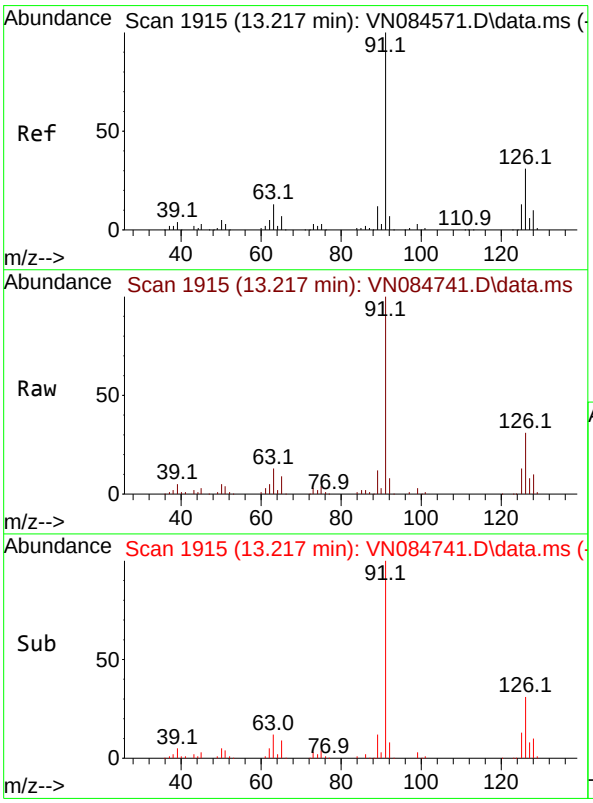
#81
trans-1,4-Dichloro-2-butene
Concen: 18.411 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 75 Resp: 18734

Ion	Ratio	Lower	Upper
75	100		
53	99.4	78.0	117.0
89	47.4	35.5	53.3

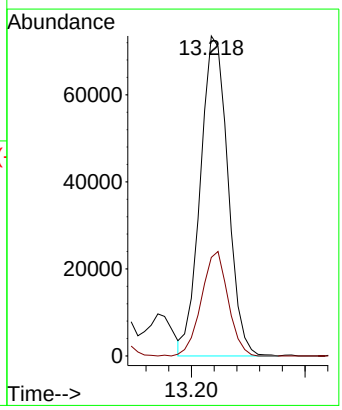


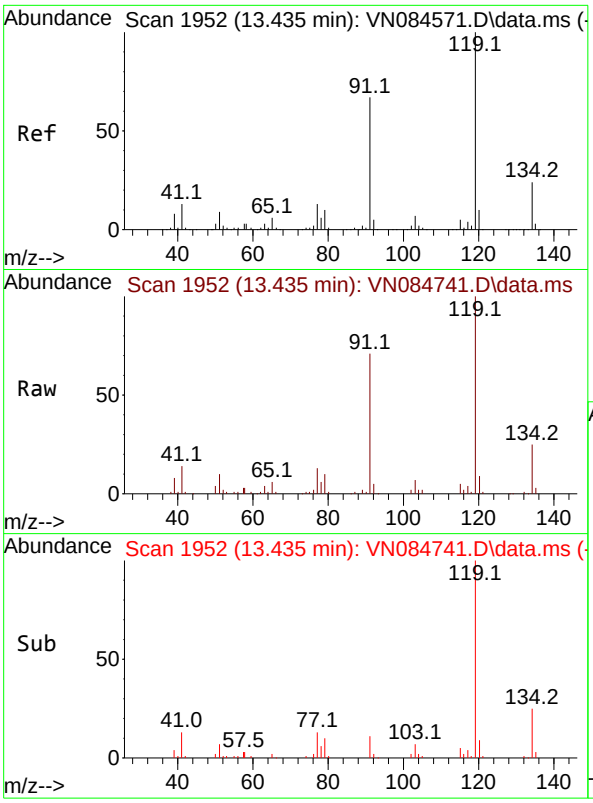


#82
4-Chlorotoluene
Concen: 18.169 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 91 Resp: 123905

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



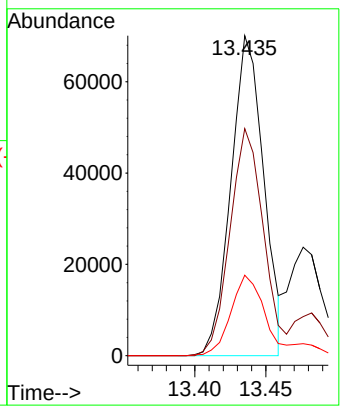


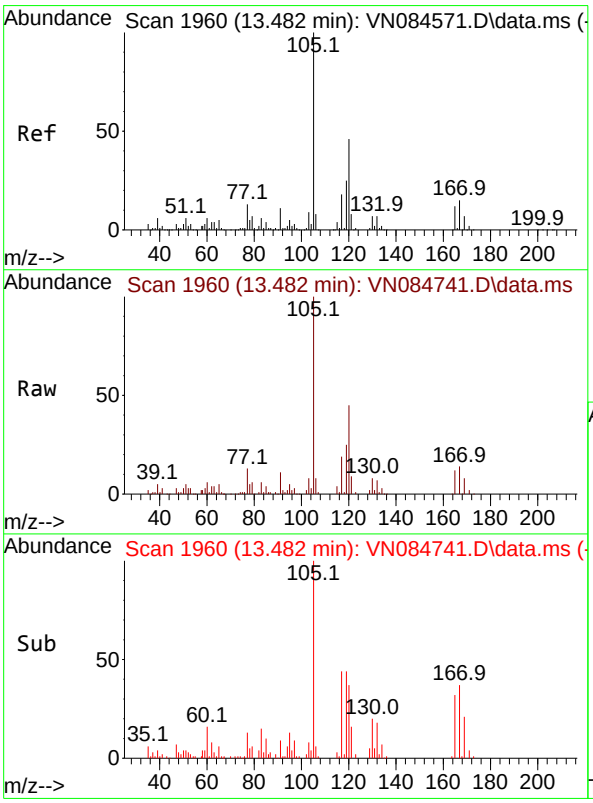
#83
tert-Butylbenzene
Concen: 19.394 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:119 Resp: 112585

Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	25.5	12.8	38.4

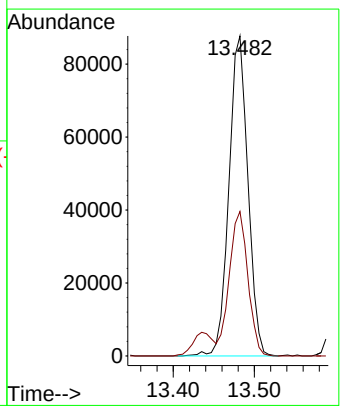


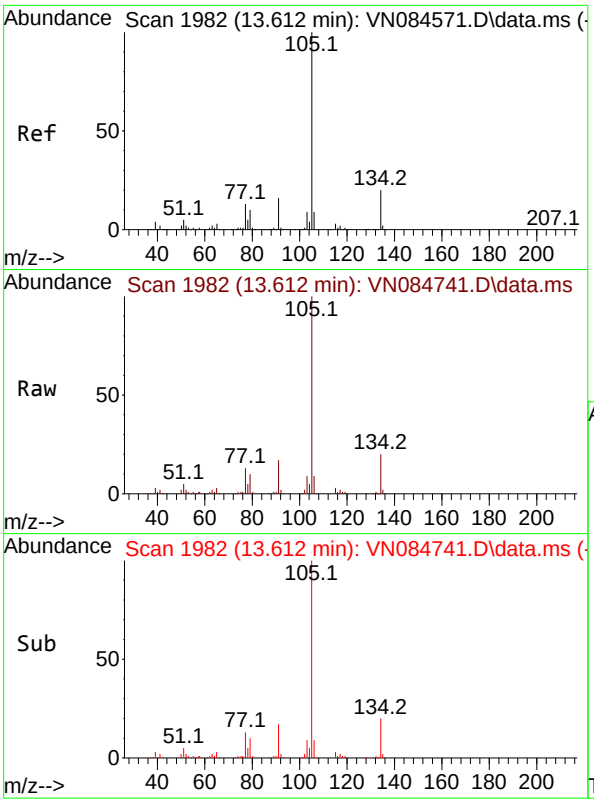


#84
1,2,4-Trimethylbenzene
Concen: 19.651 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:105 Resp: 142262

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



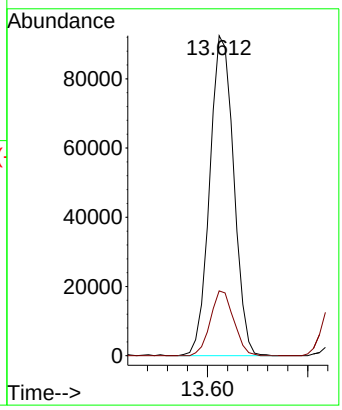


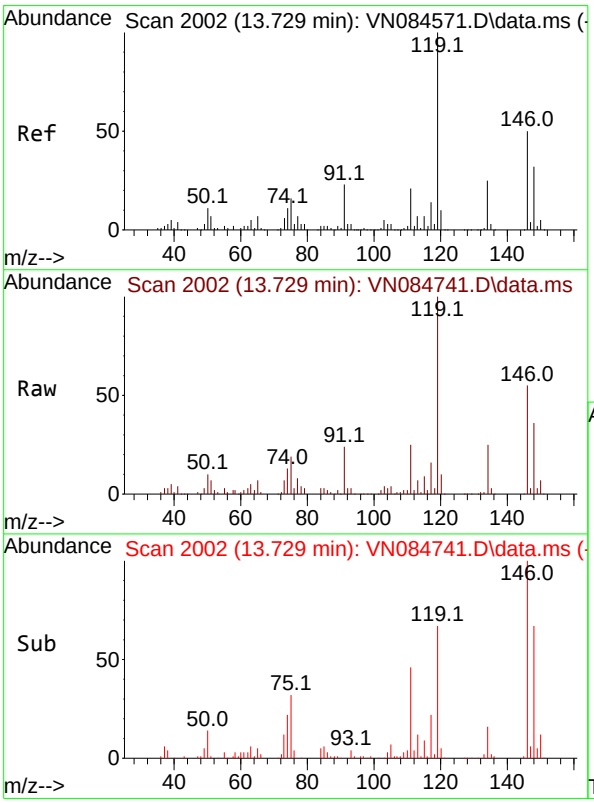
#85
sec-Butylbenzene
Concen: 18.710 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:105 Resp: 153424

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

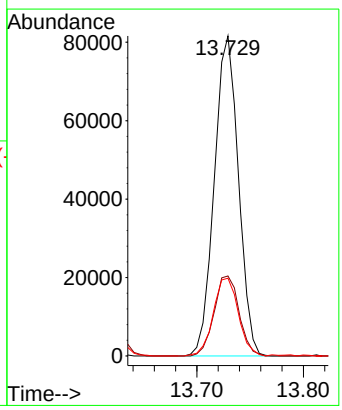


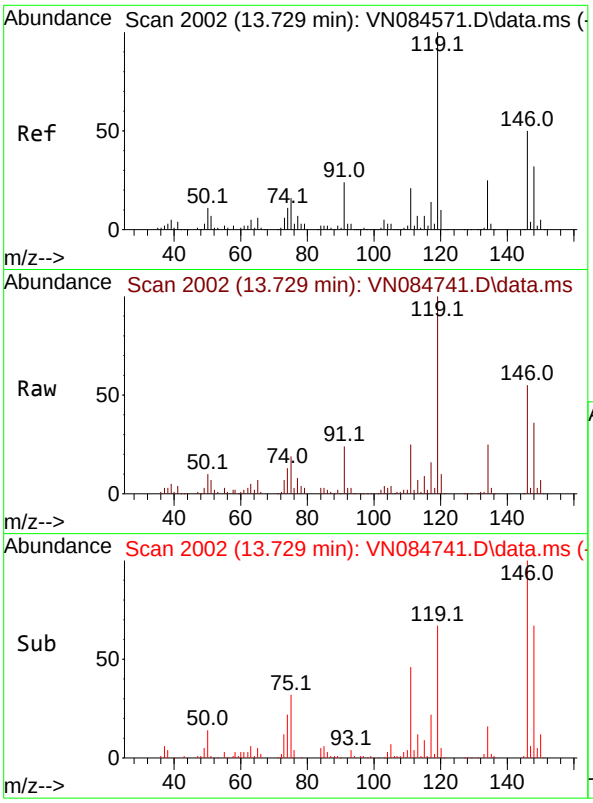


#86
p-Isopropyltoluene
Concen: 19.076 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:119 Resp: 128285

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.4	37.2



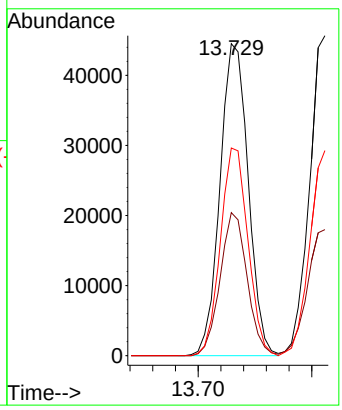


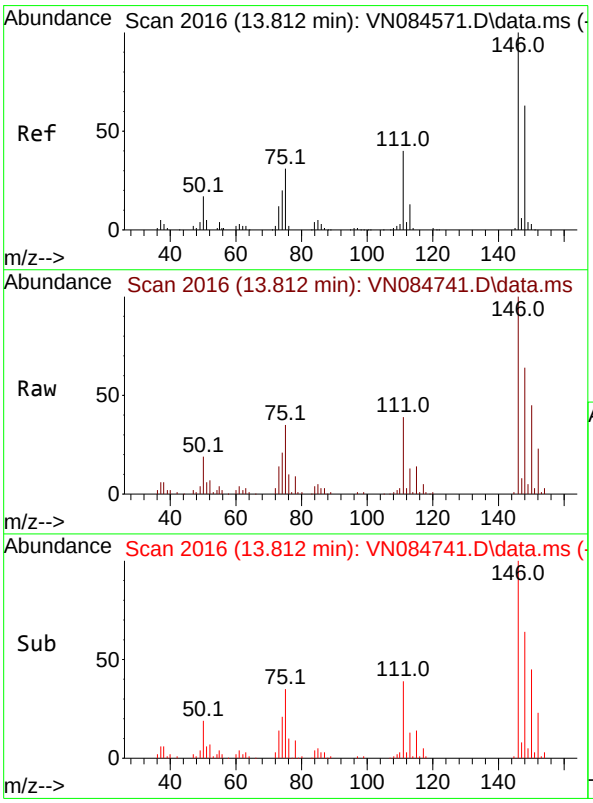
#87
1,3-Dichlorobenzene
Concen: 17.314 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:146 Resp: 76875

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.3
148	64.8	31.9	95.7

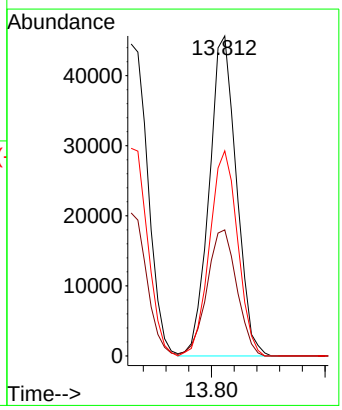


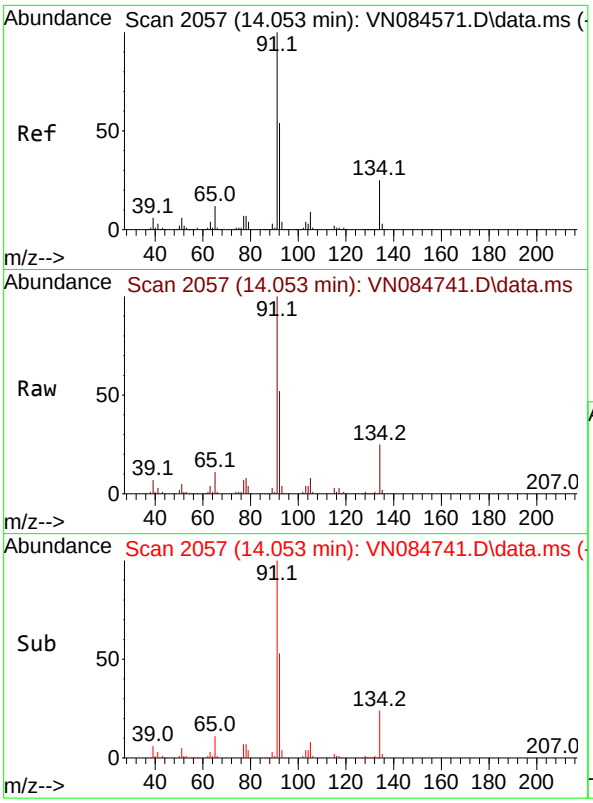


#88
1,4-Dichlorobenzene
Concen: 17.947 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:146 Resp: 76001

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.2	63.6
148	66.0	31.9	95.9



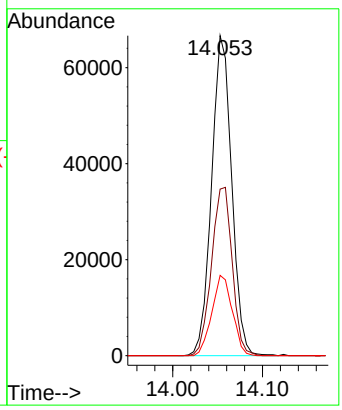


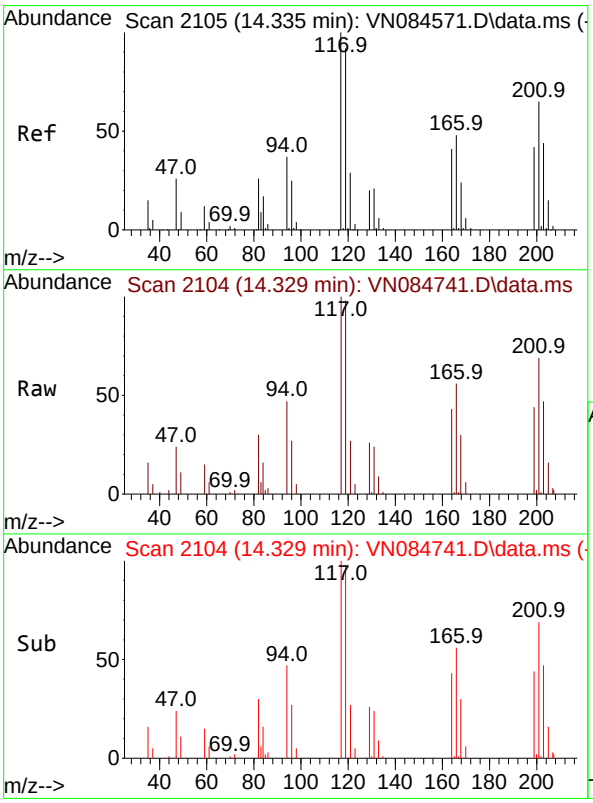
#89
n-Butylbenzene
Concen: 16.483 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion: 91 Resp: 103692

Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.6	79.7
134	25.5	12.3	36.9

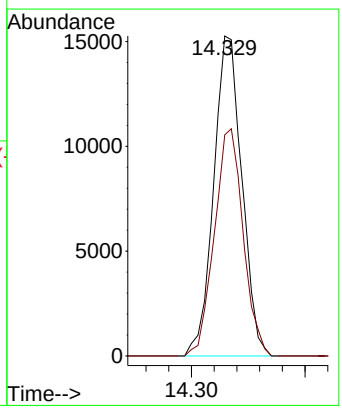


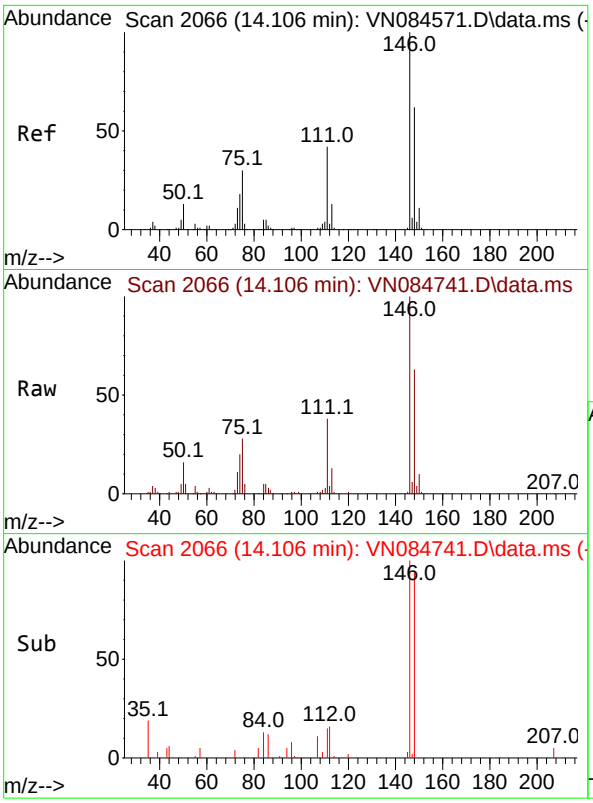


#90
Hexachloroethane
Concen: 17.500 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:117 Resp: 26245

Ion	Ratio	Lower	Upper
117	100		
201	72.6	34.4	103.2



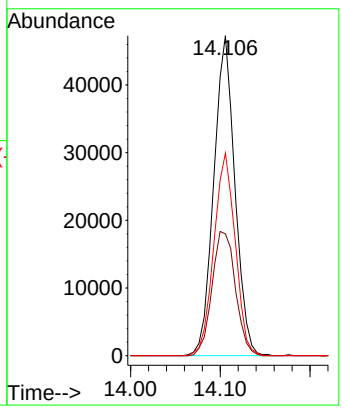


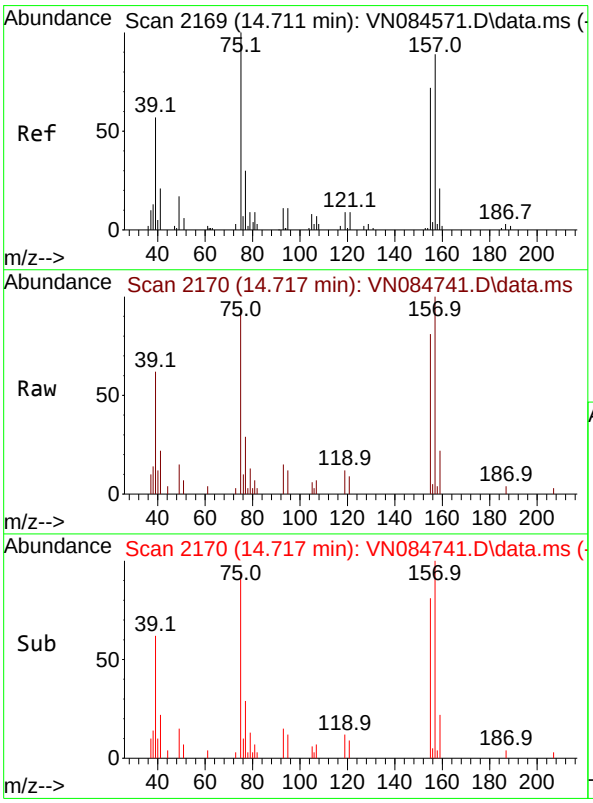
#91
1,2-Dichlorobenzene
Concen: 18.127 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:146 Resp: 77341

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	63.9	32.1	96.3

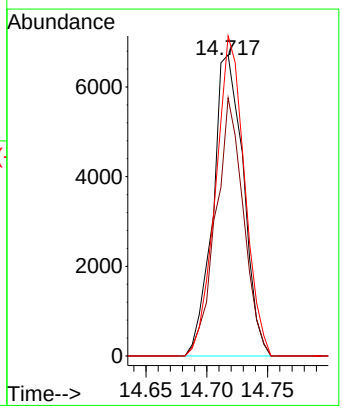


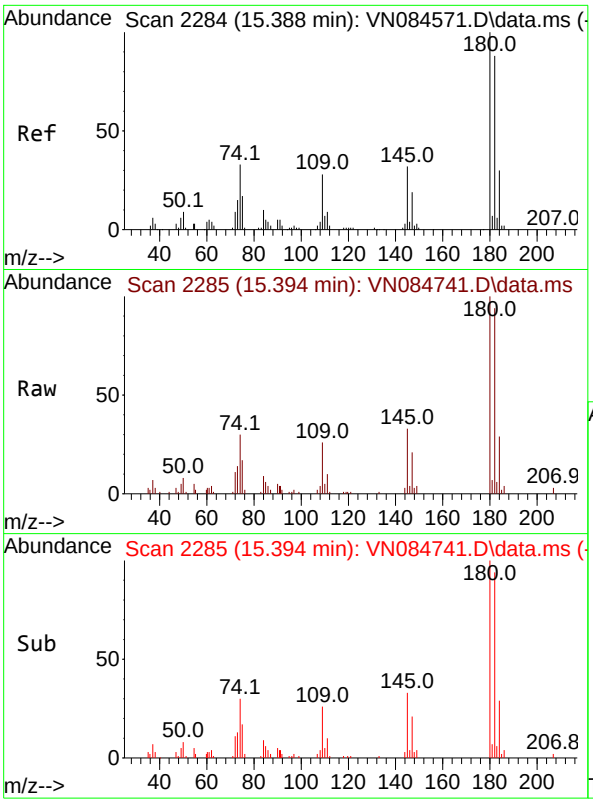


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.386 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion: 75 Resp: 11666

Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.1	114.5
157	101.0	49.6	149.0



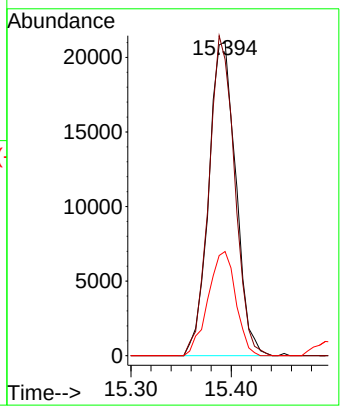


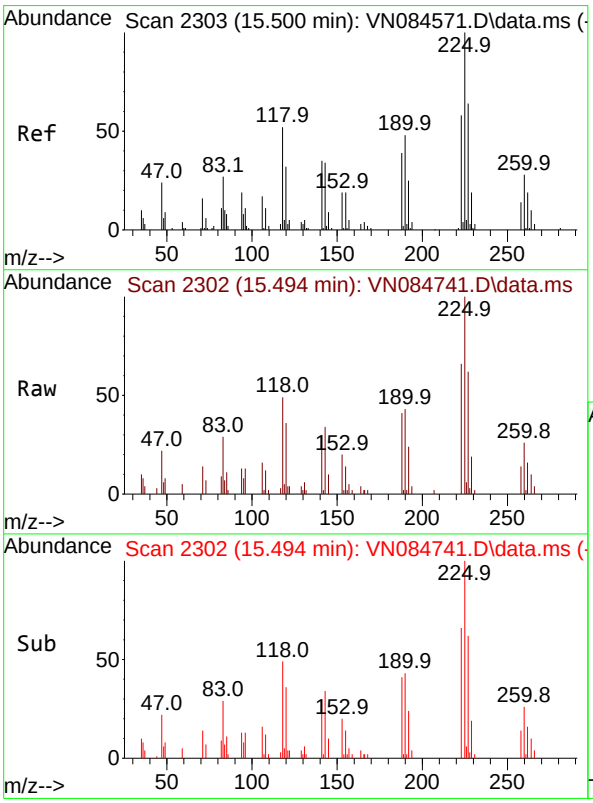
#93
1,2,4-Trichlorobenzene
Concen: 16.860 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:180 Resp: 39374

Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.0	141.0
145	33.9	16.4	49.4

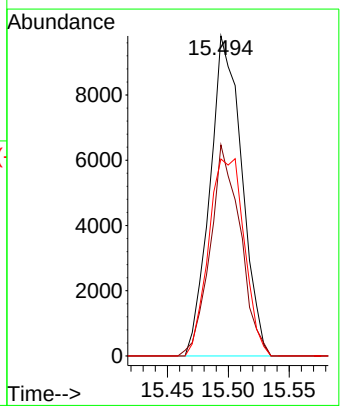


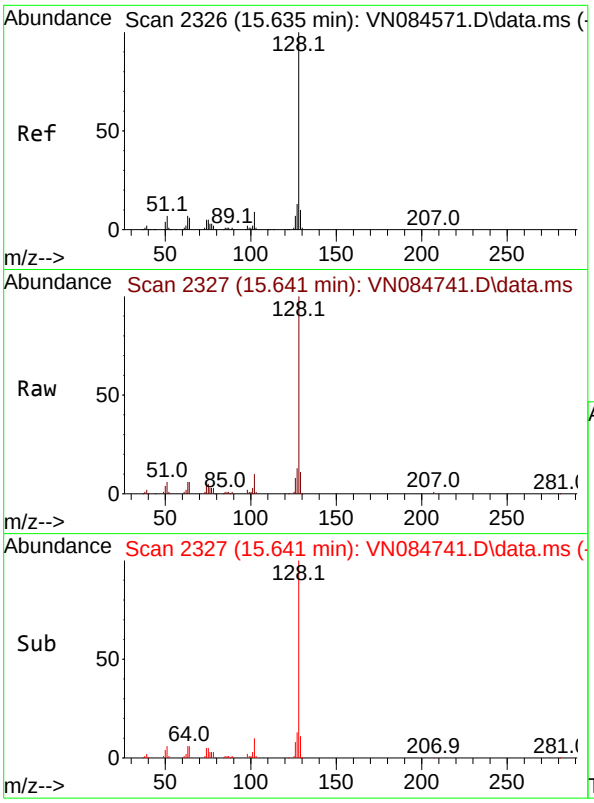


#94
Hexachlorobutadiene
Concen: 17.482 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:225 Resp: 17928

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.2
227	68.8	32.4	97.0



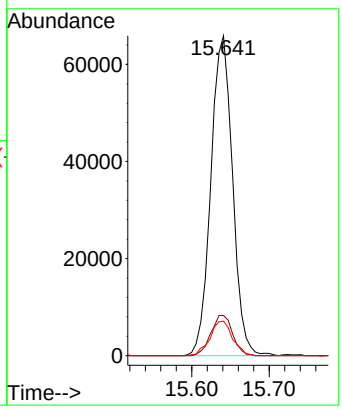


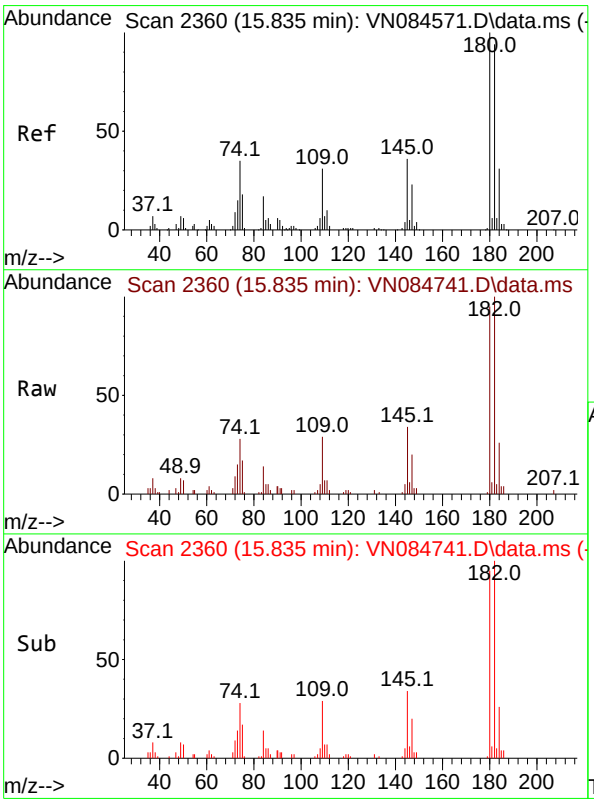
#95
Naphthalene
Concen: 18.380 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD01

Tgt Ion:128 Resp: 128477

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.2	8.7	13.1

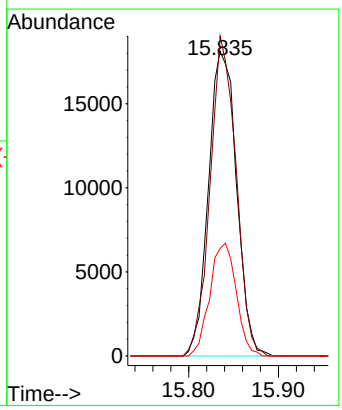




#96
1,2,3-Trichlorobenzene
Concen: 17.346 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084741.D
Acq: 08 Nov 2024 11:43

Tgt Ion:180 Resp: 39322

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.2	144.6
145	34.8	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124529	51.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.400%			
35) Dibromofluoromethane	8.159	113	100795	51.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	10.565	98	367233	51.238	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.847	95	151201	56.448	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	79840	41.645	ug/l	95
3) Chloromethane	2.359	50	93222	40.985	ug/l	99
4) Vinyl Chloride	2.512	62	91807	44.523	ug/l	97
5) Bromomethane	2.901	94	50158	45.910	ug/l	97
6) Chloroethane	3.071	64	60120	47.018	ug/l	91
7) Trichlorofluoromethane	3.465	101	149583	44.037	ug/l	98
8) Diethyl Ether	3.959	74	59028	49.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	82826	43.153	ug/l	96
10) Methyl Iodide	4.577	142	128775	50.201	ug/l	100
11) Tert butyl alcohol	5.536	59	78564	247.098	ug/l	99
12) 1,1-Dichloroethene	4.324	96	83944	44.200	ug/l	97
13) Acrolein	4.171	56	84643	266.973	ug/l	99
14) Allyl chloride	5.012	41	142985	46.424	ug/l	93
15) Acrylonitrile	5.718	53	224511	243.917	ug/l	100
16) Acetone	4.430	43	174954	251.462	ug/l	97
17) Carbon Disulfide	4.695	76	222138	37.981	ug/l	99
18) Methyl Acetate	5.018	43	118028	46.128	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	306885	52.720	ug/l	95
20) Methylene Chloride	5.265	84	101702	48.006	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	89513	45.901	ug/l	98
22) Diisopropyl ether	6.671	45	313158	51.170	ug/l	98
23) Vinyl Acetate	6.594	43	1073079	254.260	ug/l	97
24) 1,1-Dichloroethane	6.565	63	176217	47.960	ug/l	96
25) 2-Butanone	7.483	43	277508	246.947	ug/l	94
26) 2,2-Dichloropropane	7.489	77	144779	45.272	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	110999	48.747	ug/l	95
28) Bromochloromethane	7.812	49	85910	58.687	ug/l	92
29) Tetrahydrofuran	7.836	42	180639	242.301	ug/l	95
30) Chloroform	7.959	83	187046	50.016	ug/l	96
31) Cyclohexane	8.253	56	134612	40.479	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	166312	48.860	ug/l	97
36) 1,1-Dichloropropene	8.365	75	116530	43.185	ug/l	98
37) Ethyl Acetate	7.559	43	116837	47.723	ug/l	100
38) Carbon Tetrachloride	8.359	117	140352	46.534	ug/l	96
39) Methylcyclohexane	9.600	83	123923	45.143	ug/l	99
40) Benzene	8.600	78	394197	45.489	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	68417	51.967 ug/l	98
42) 1,2-Dichloroethane	8.665	62	136487	48.633 ug/l	100
43) Isopropyl Acetate	8.688	43	224271	49.578 ug/l	98
44) Trichloroethene	9.347	130	91180	45.624 ug/l	100
45) 1,2-Dichloropropane	9.618	63	97596	48.010 ug/l	96
46) Dibromomethane	9.706	93	69386	48.372 ug/l	96
47) Bromodichloromethane	9.882	83	150876	49.898 ug/l #	98
48) Methyl methacrylate	9.677	41	97742	51.298 ug/l	97
49) 1,4-Dioxane	9.694	88	34607	1024.951 ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	587099	251.554 ug/l	98
52) Toluene	10.629	92	242933	47.933 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	146826	46.912 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	157398	47.515 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	93820	49.143 ug/l	94
56) Ethyl methacrylate	10.871	69	151119	54.724 ug/l	96
57) 1,3-Dichloropropane	11.159	76	162153	49.490 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	345207	267.152 ug/l	97
59) 2-Hexanone	11.194	43	433726	255.313 ug/l	97
60) Dibromochloromethane	11.359	129	113705	52.259 ug/l	99
61) 1,2-Dibromoethane	11.465	107	93773	47.966 ug/l	100
64) Tetrachloroethene	11.100	164	77481	44.374 ug/l	99
65) Chlorobenzene	11.888	112	259392	44.169 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	97706	47.831 ug/l	99
67) Ethyl Benzene	11.959	91	457820	46.703 ug/l	100
68) m/p-Xylenes	12.071	106	345030	92.969 ug/l	99
69) o-Xylene	12.394	106	168380	48.500 ug/l	99
70) Styrene	12.412	104	290953	48.041 ug/l	99
71) Bromoform	12.576	173	77334	50.312 ug/l #	98
73) Isopropylbenzene	12.694	105	420864	41.079 ug/l	100
74) N-amyl acetate	12.494	43	188629	43.258 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	136422	39.892 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	174043	59.553 ug/l	59
77) Bromobenzene	12.976	156	107758	39.124 ug/l	93
78) n-propylbenzene	13.035	91	481292	40.088 ug/l	99
79) 2-Chlorotoluene	13.123	91	314696	40.116 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	364315	42.903 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	53703	43.595 ug/l	90
82) 4-Chlorotoluene	13.218	91	316861	38.381 ug/l	99
83) tert-Butylbenzene	13.435	119	303984	43.255 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	376938	43.009 ug/l	98
85) sec-Butylbenzene	13.612	105	408539	41.154 ug/l	98
86) p-Isopropyltoluene	13.729	119	354338	43.523 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	202400	37.655 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	197494	39.773 ug/l	99
89) n-Butylbenzene	14.053	91	288557	37.890 ug/l	99
90) Hexachloroethane	14.329	117	67008	36.906 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	200797	38.875 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26149	37.744 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	97897	34.628 ug/l	99
94) Hexachlorobutadiene	15.500	225	43879	35.343 ug/l	95
95) Naphthalene	15.641	128	324128	38.303 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	98094	35.743 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

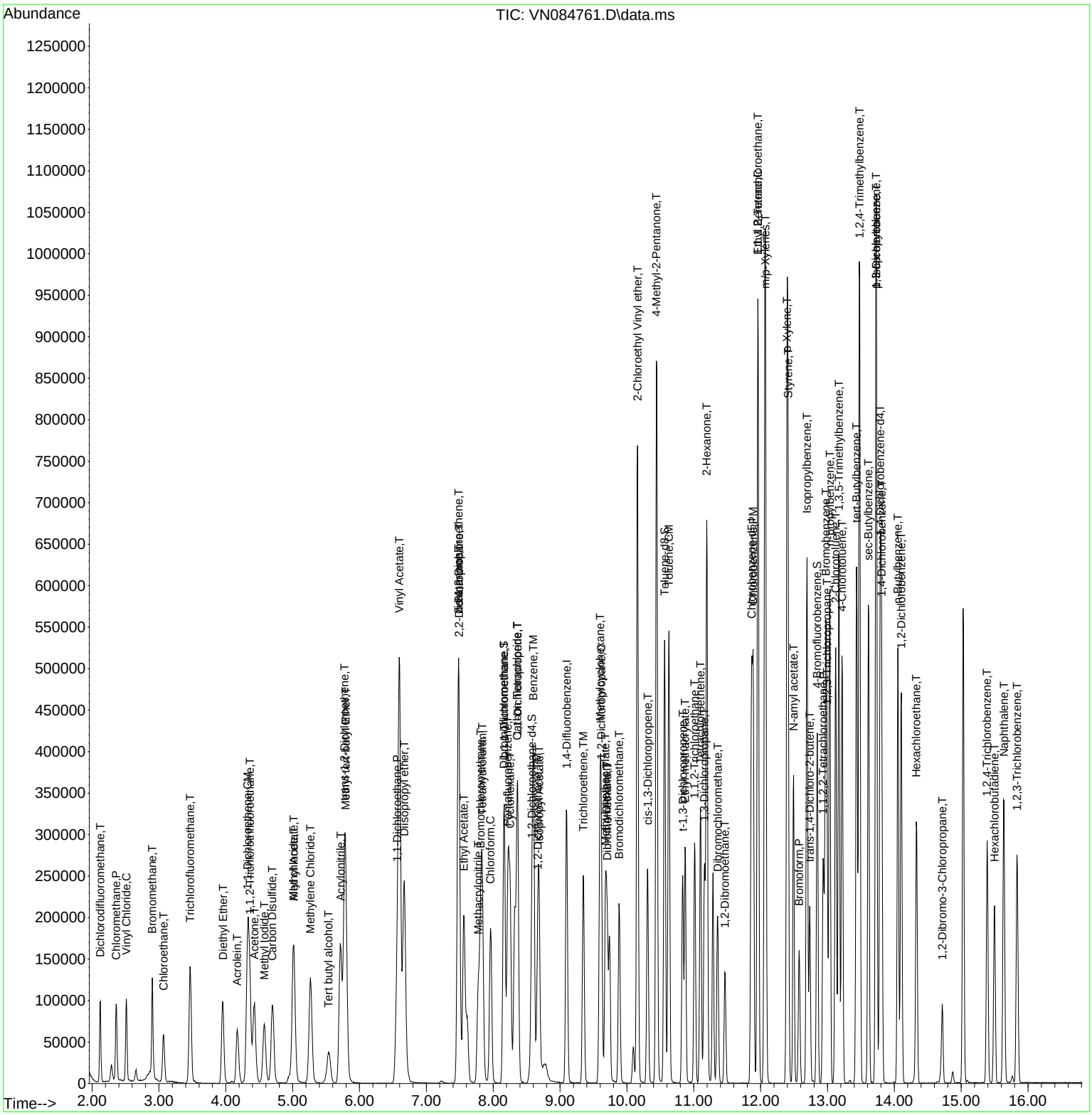
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

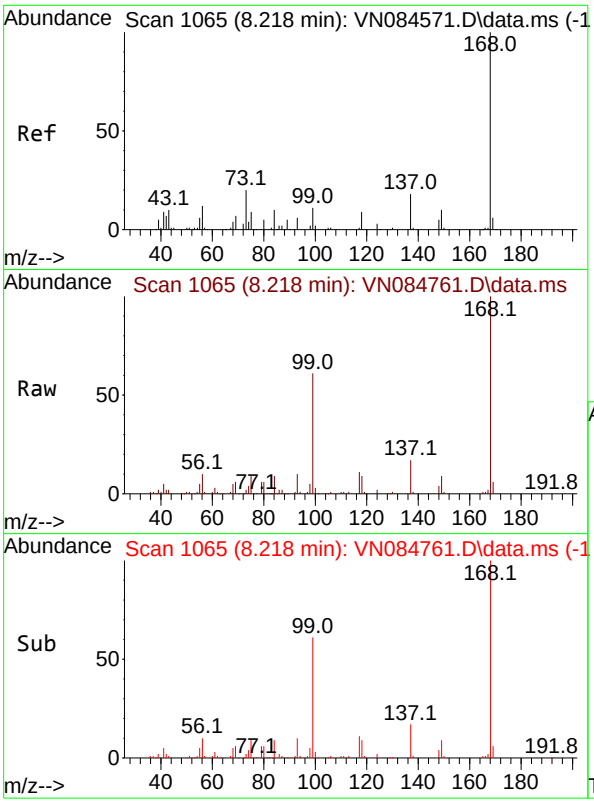
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
Data File : VN084761.D
Acq On : 08 Nov 2024 19:44
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 08 22:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



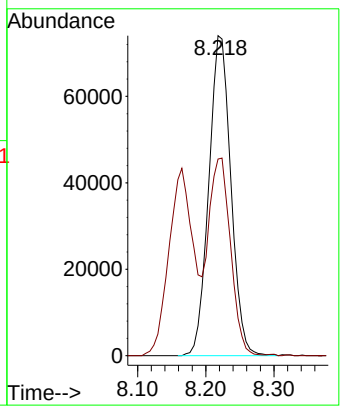


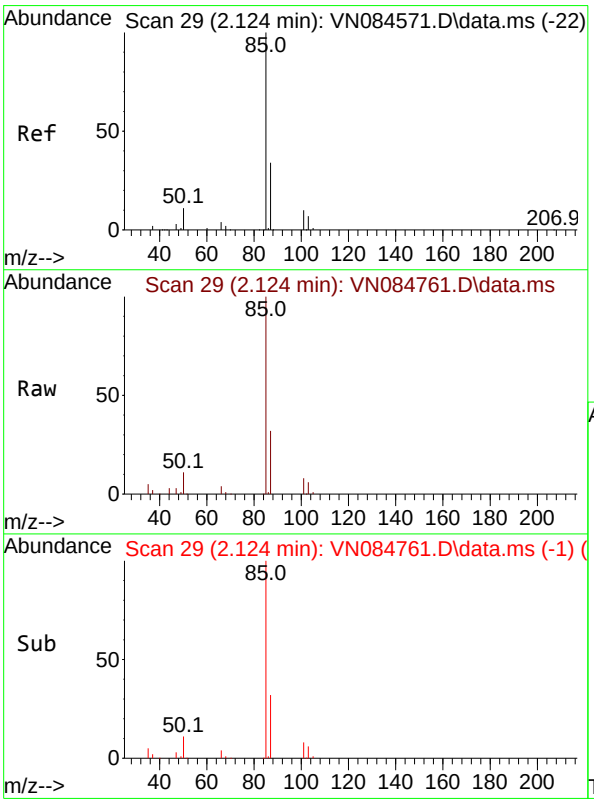
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 166771

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

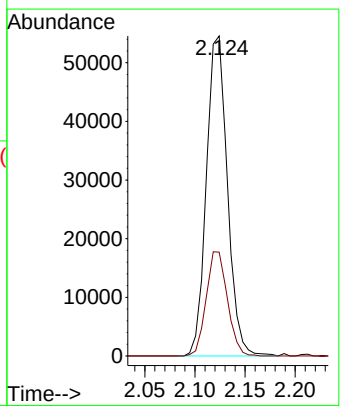


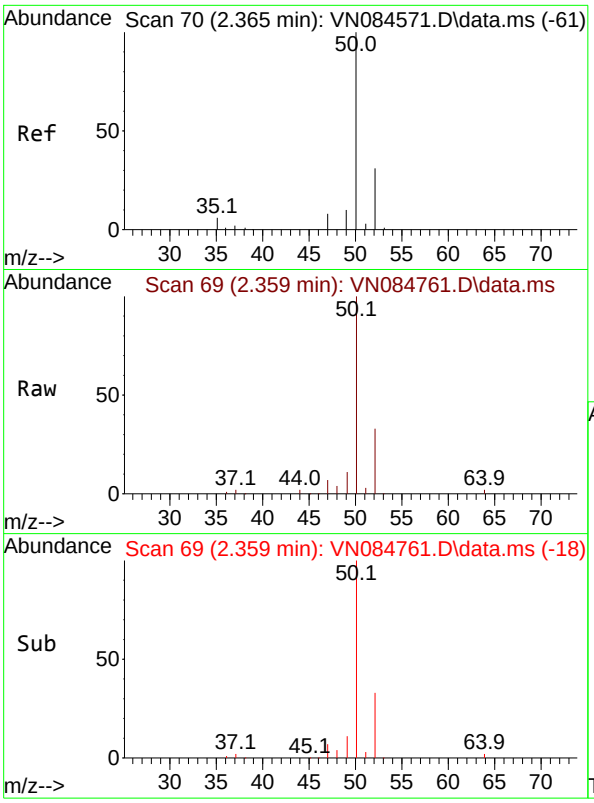


#2
Dichlorodifluoromethane
Concen: 41.645 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 85 Resp: 79840

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.6	52.9



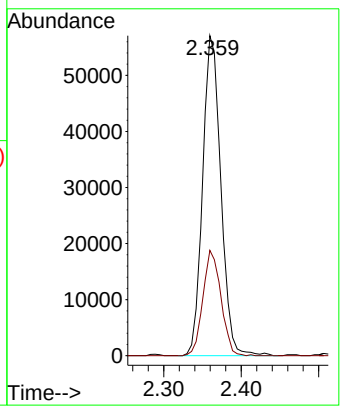


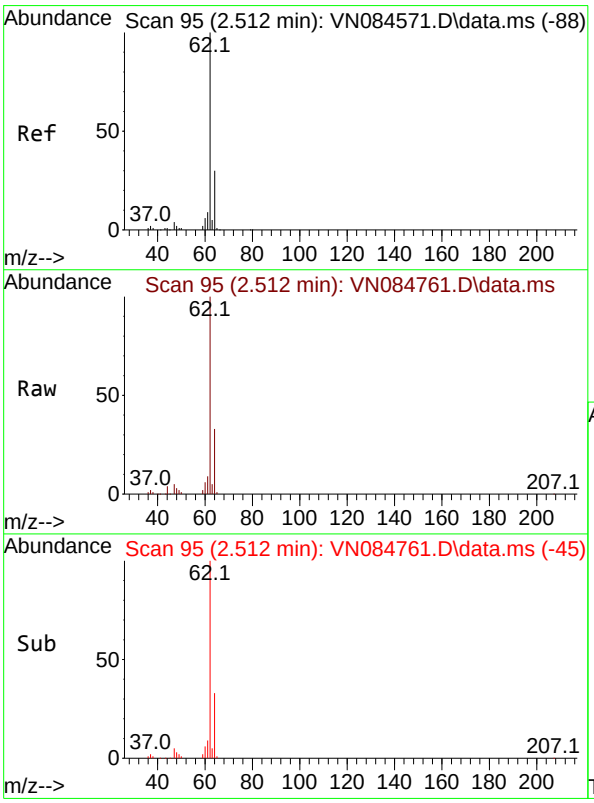
#3
Chloromethane
Concen: 40.985 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 93222

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2

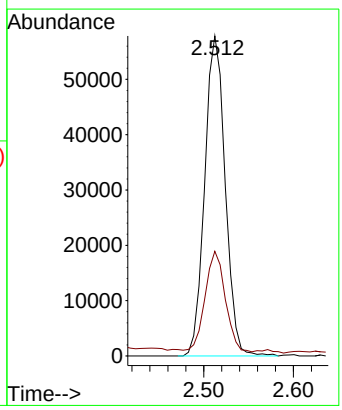


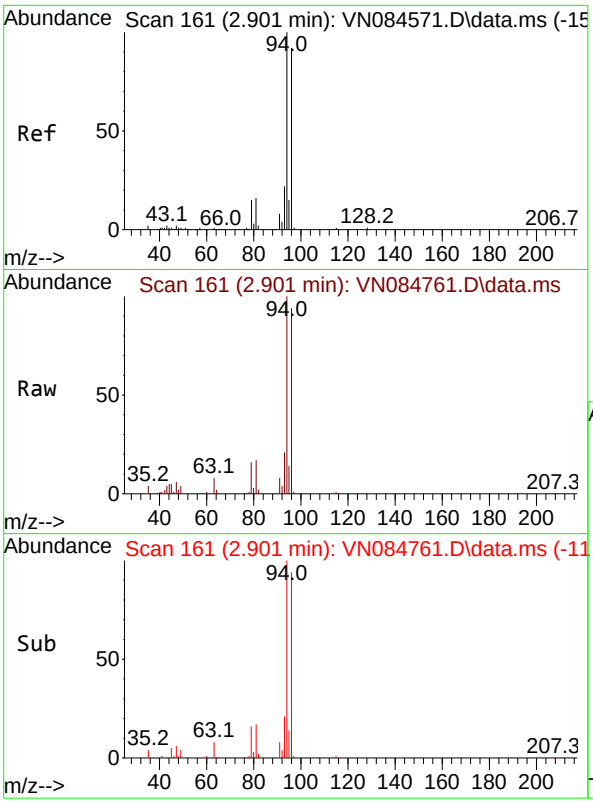


#4
Vinyl Chloride
Concen: 44.523 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 62 Resp: 91807

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.2	39.4



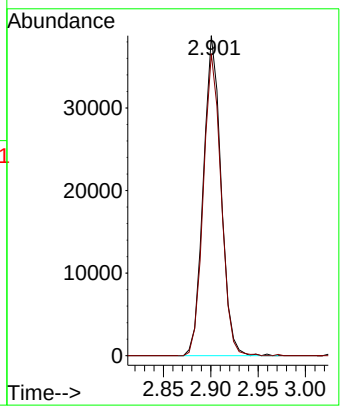


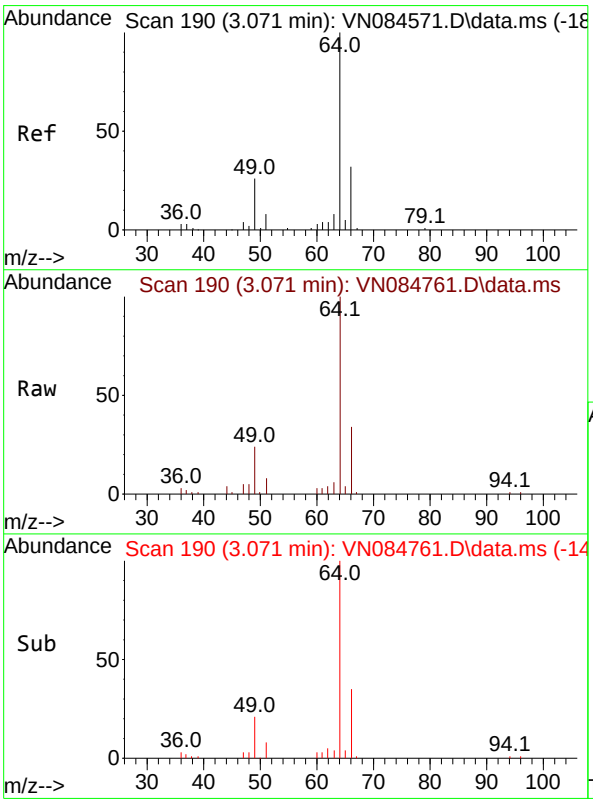
#5
Bromomethane
Concen: 45.910 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 50158

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.9	109.3

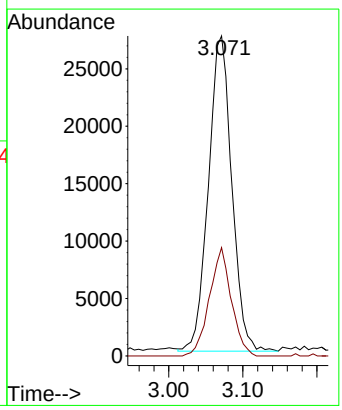


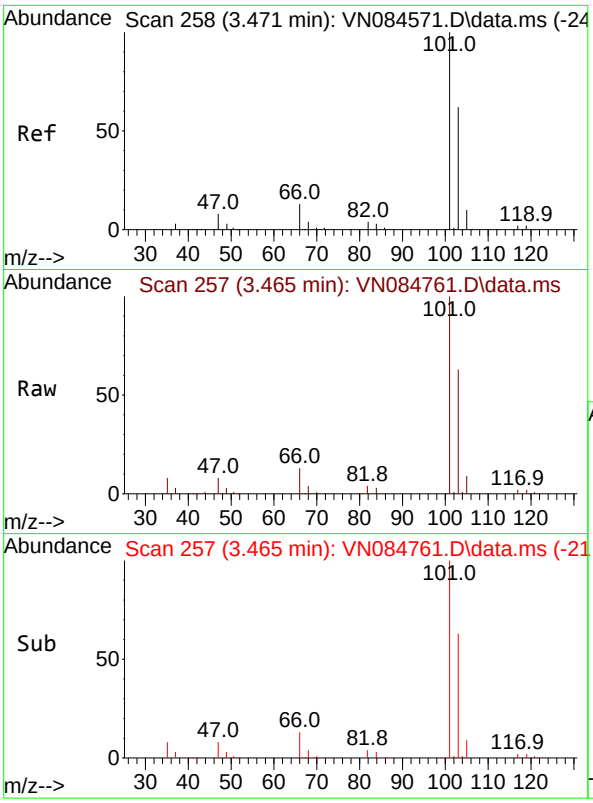


#6
Chloroethane
Concen: 47.018 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 64 Resp: 60120

Ion	Ratio	Lower	Upper
64	100		
66	34.4	23.5	35.3



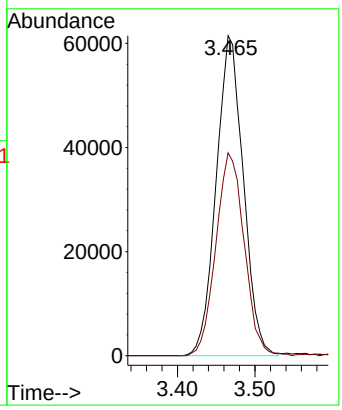


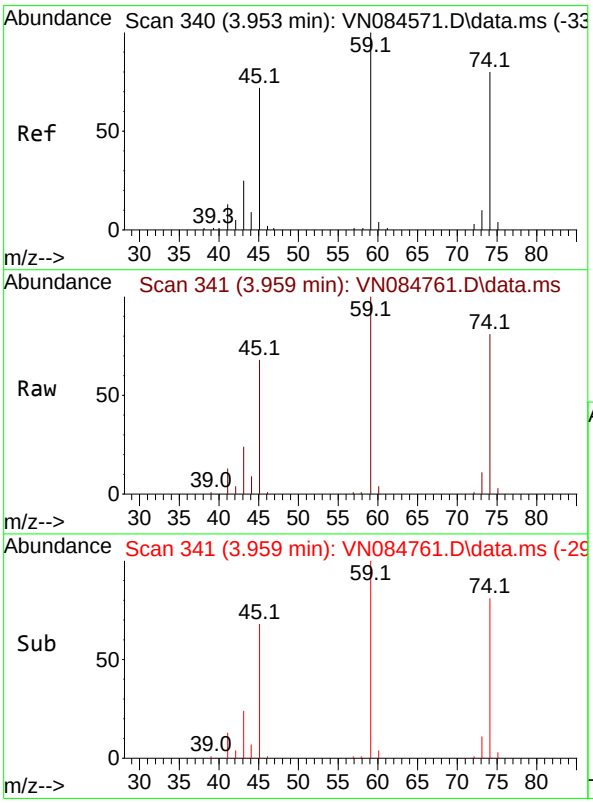
#7
Trichlorofluoromethane
Concen: 44.037 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 149583

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

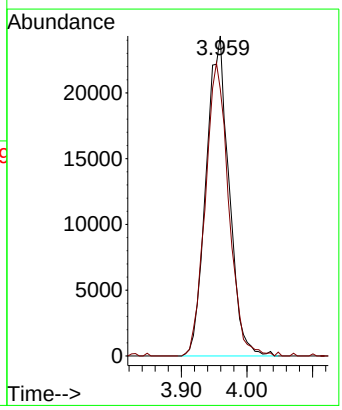


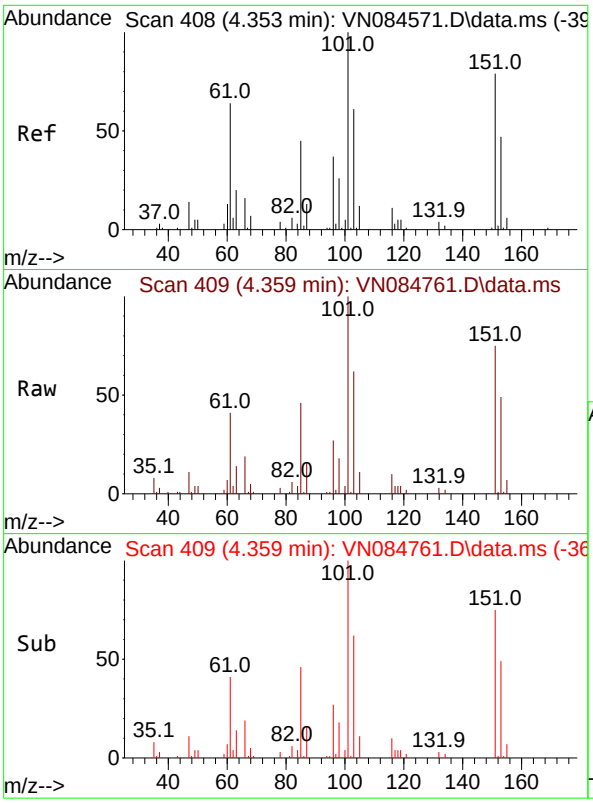


#8
Diethyl Ether
Concen: 49.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 74 Resp: 59028

Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.7	143.1



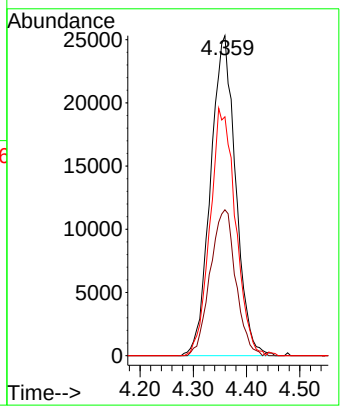


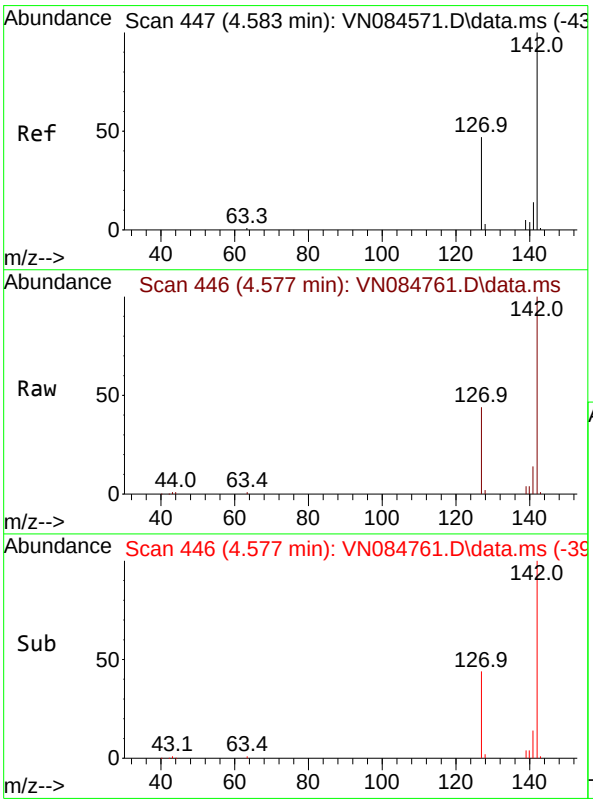
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.153 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 82826

Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	78.2	59.3	88.9

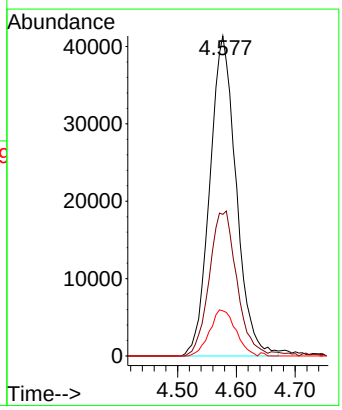


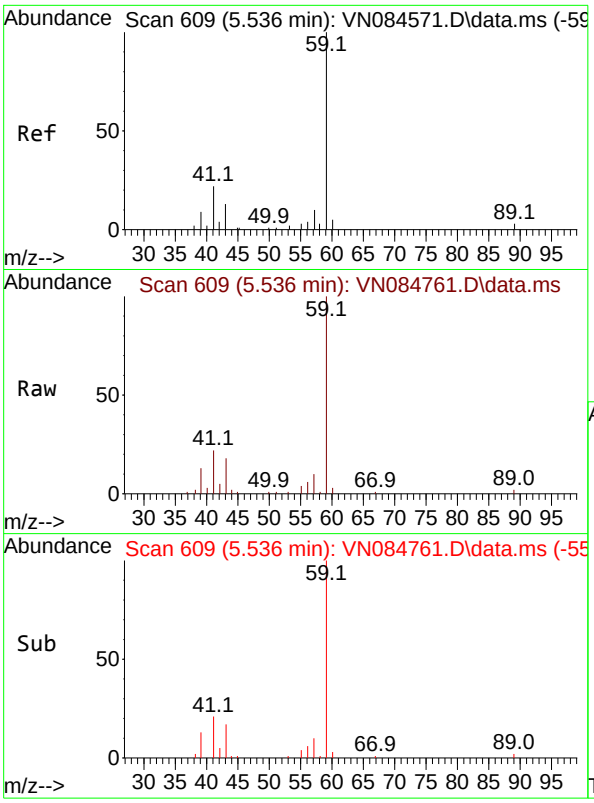


#10
Methyl Iodide
Concen: 50.201 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:142 Resp: 128775

Ion	Ratio	Lower	Upper
142	100		
127	44.2	35.3	52.9
141	14.1	11.0	16.6



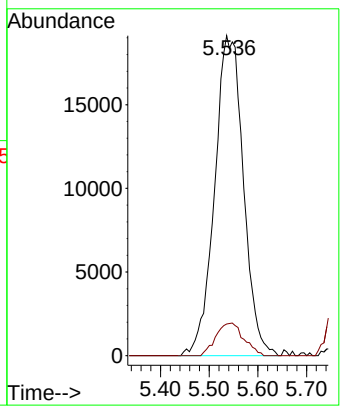


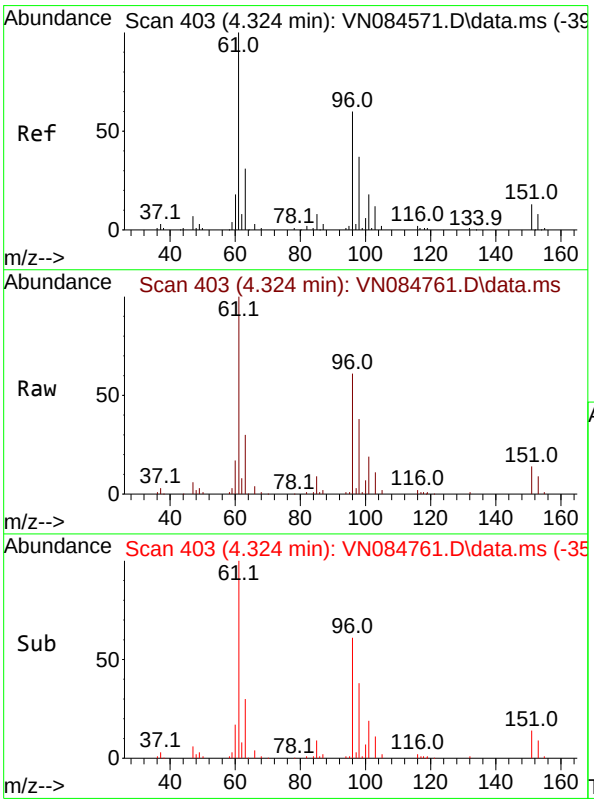
#11
Tert butyl alcohol
Concen: 247.098 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 78564

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

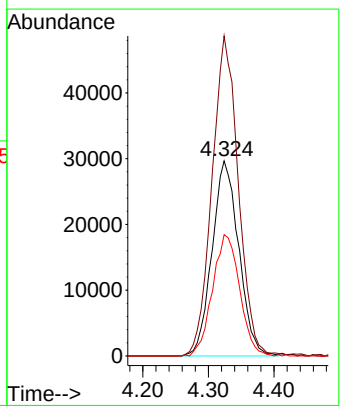


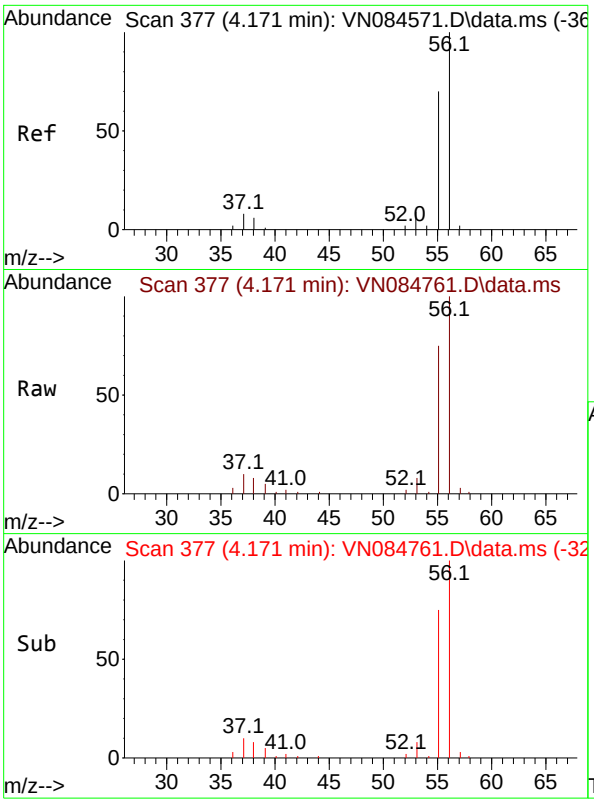


#12
1,1-Dichloroethene
Concen: 44.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 96 Resp: 83944

Ion	Ratio	Lower	Upper
96	100		
61	164.0	128.6	192.8
98	62.2	51.7	77.5



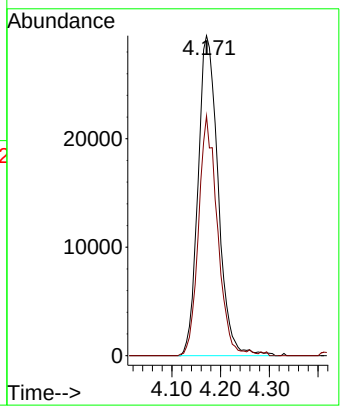


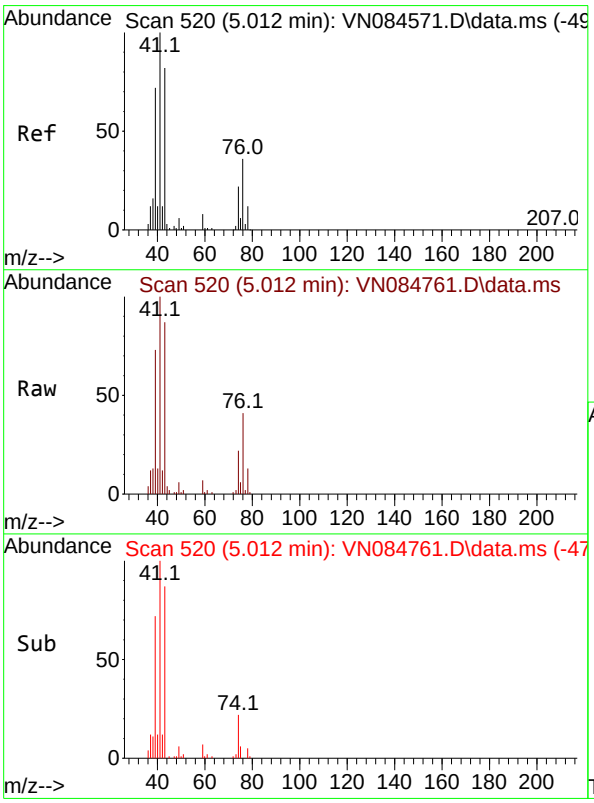
#13
Acrolein
Concen: 266.973 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 84643

Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.2	85.8

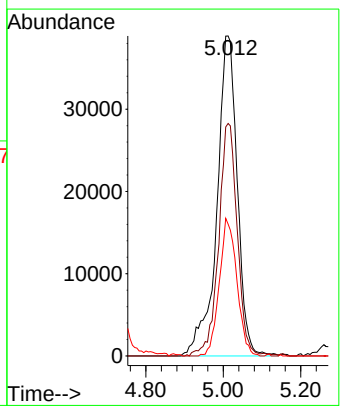


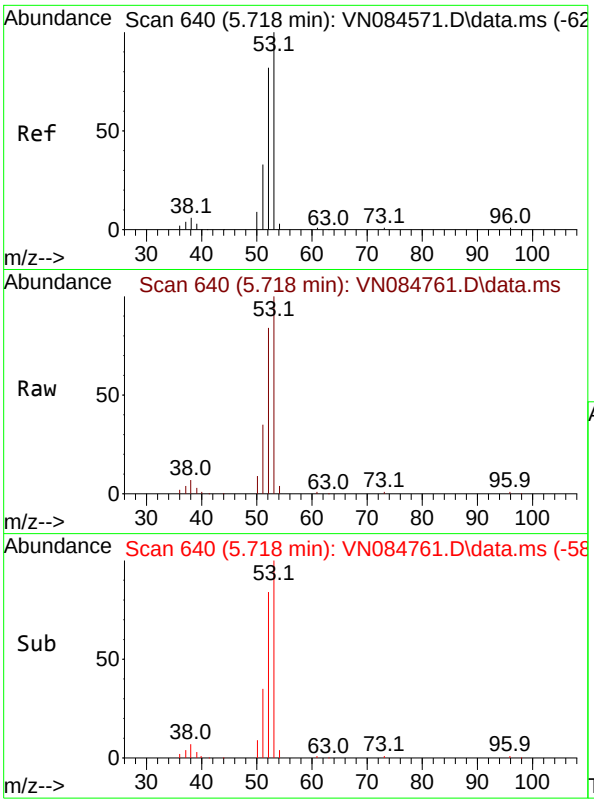


#14
Allyl chloride
Concen: 46.424 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 41 Resp: 142985

Ion	Ratio	Lower	Upper
41	100		
39	65.7	59.0	88.6
76	36.8	29.8	44.6



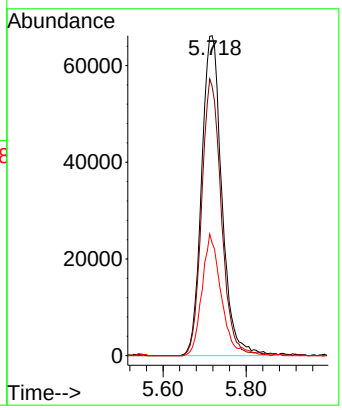


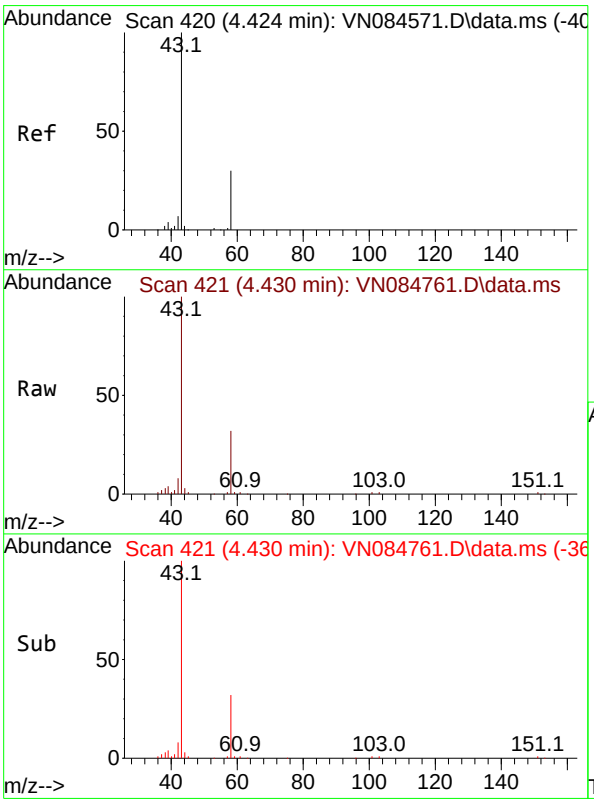
#15
Acrylonitrile
Concen: 243.917 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 224511

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.4
51	36.3	28.8	43.2

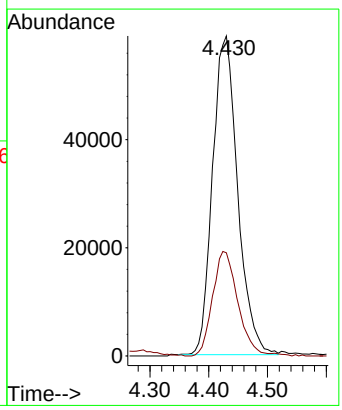


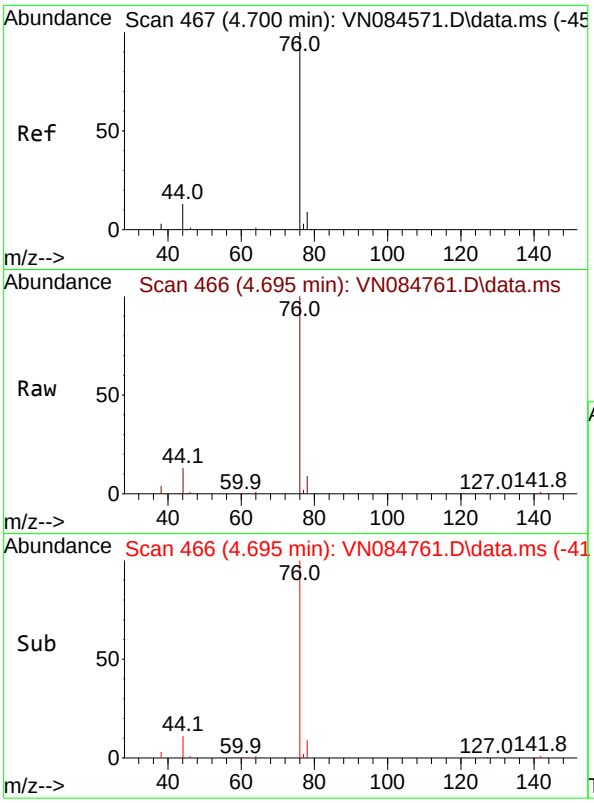


#16
Acetone
Concen: 251.462 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 174954

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.4	36.6



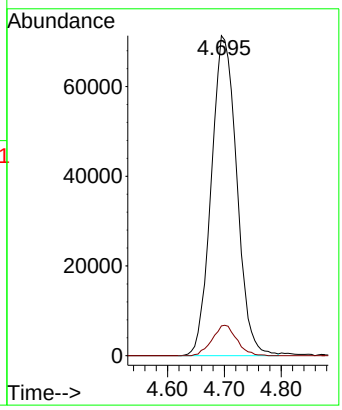


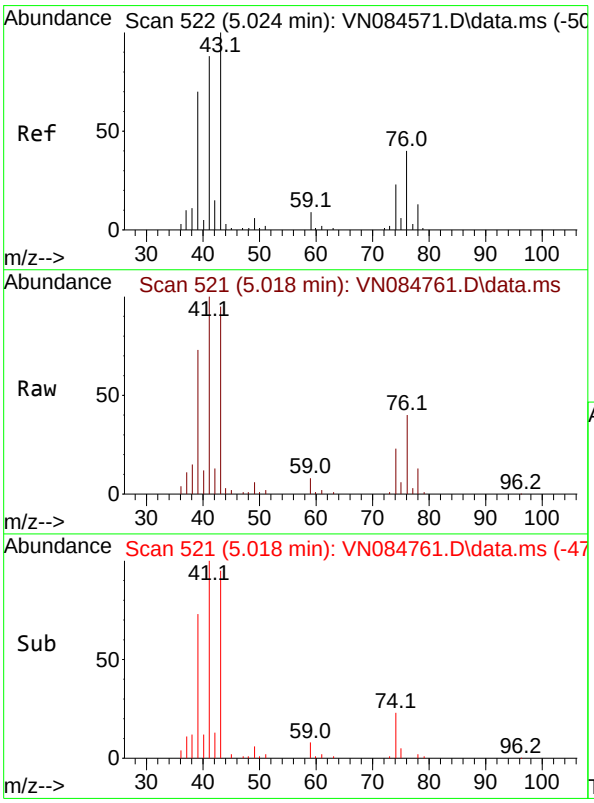
#17
Carbon Disulfide
Concen: 37.981 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 222138

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

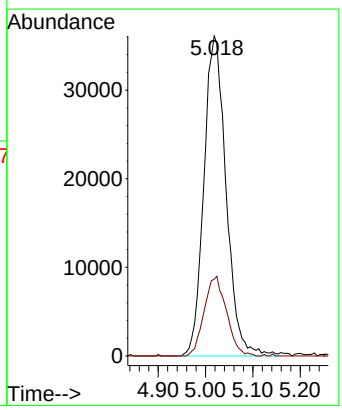


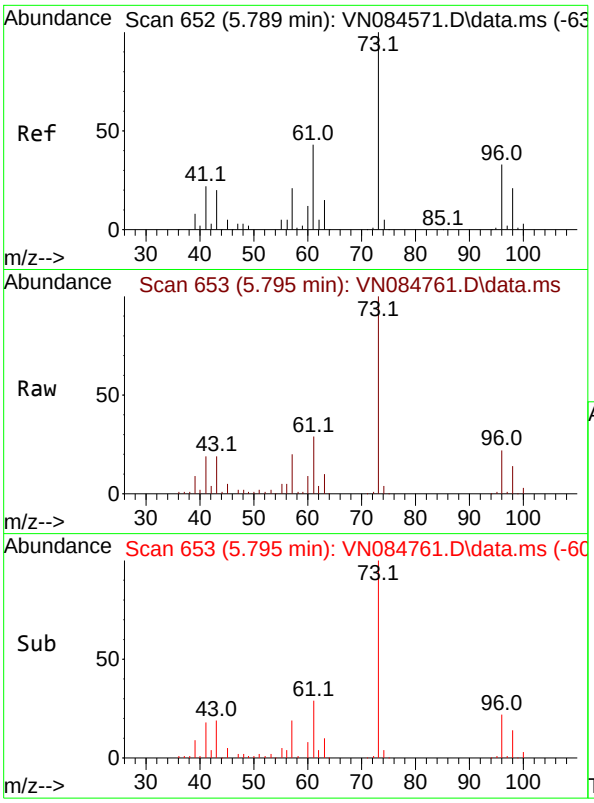


#18
Methyl Acetate
Concen: 46.128 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 118028

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.2	28.8



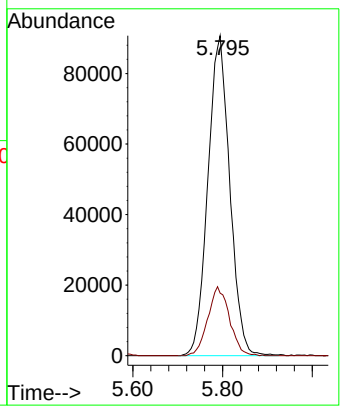


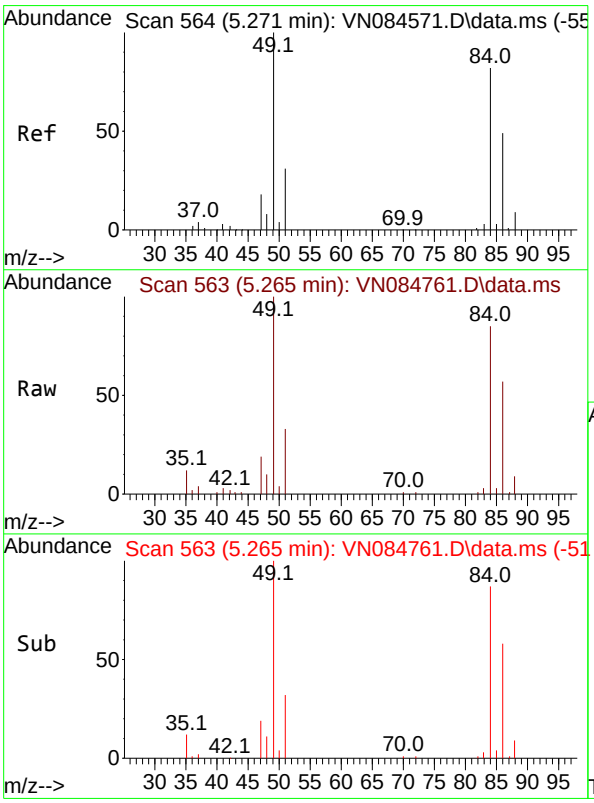
#19
Methyl tert-butyl Ether
Concen: 52.720 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 306885

Ion	Ratio	Lower	Upper
73	100		
57	19.6	17.7	26.5

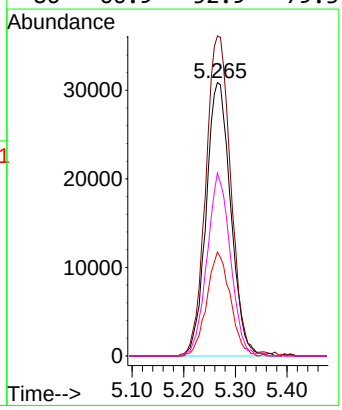


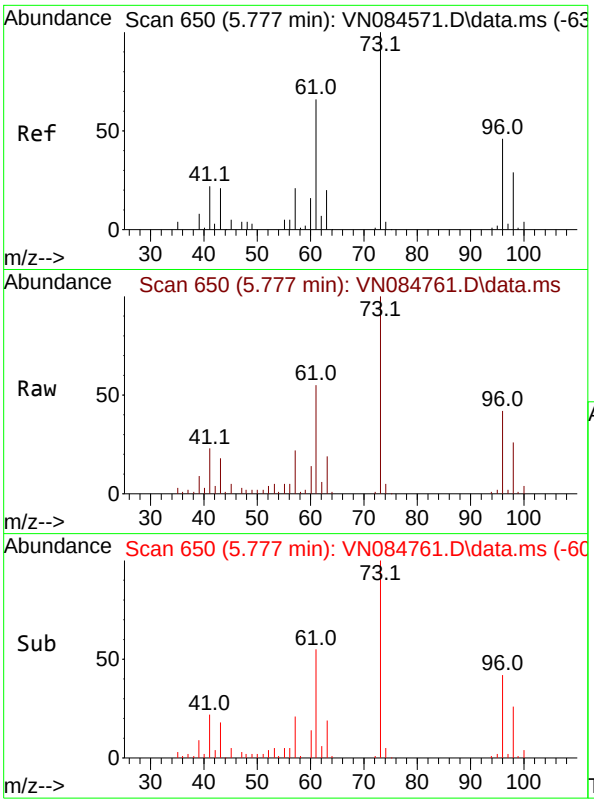


#20
Methylene Chloride
Concen: 48.006 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 84 Resp: 101702

Ion	Ratio	Lower	Upper
84	100		
49	117.0	107.2	160.8
51	38.1	31.8	47.8
86	66.9	52.9	79.3



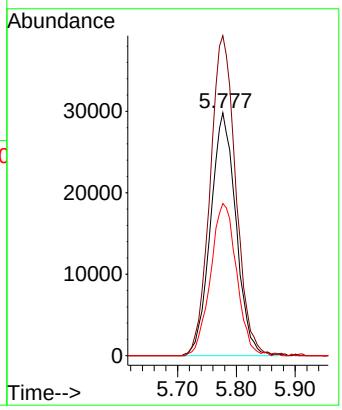


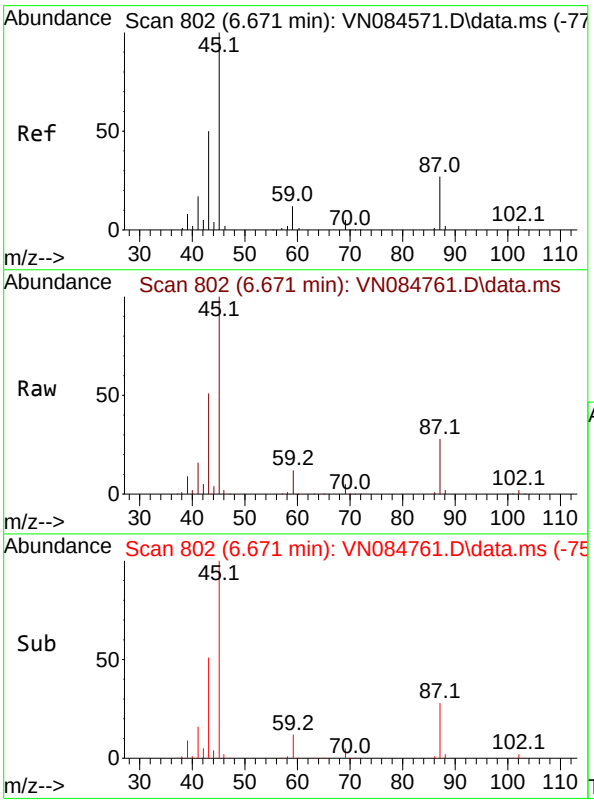
#21
trans-1,2-Dichloroethene
Concen: 45.901 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 89513

Ion	Ratio	Lower	Upper
96	100		
61	131.8	108.4	162.6
98	62.7	49.8	74.8

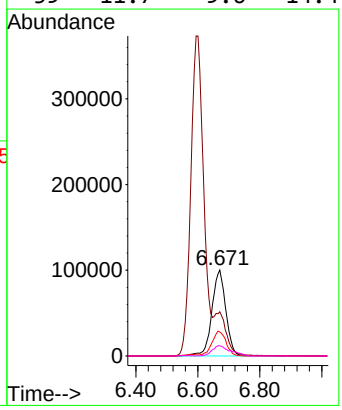


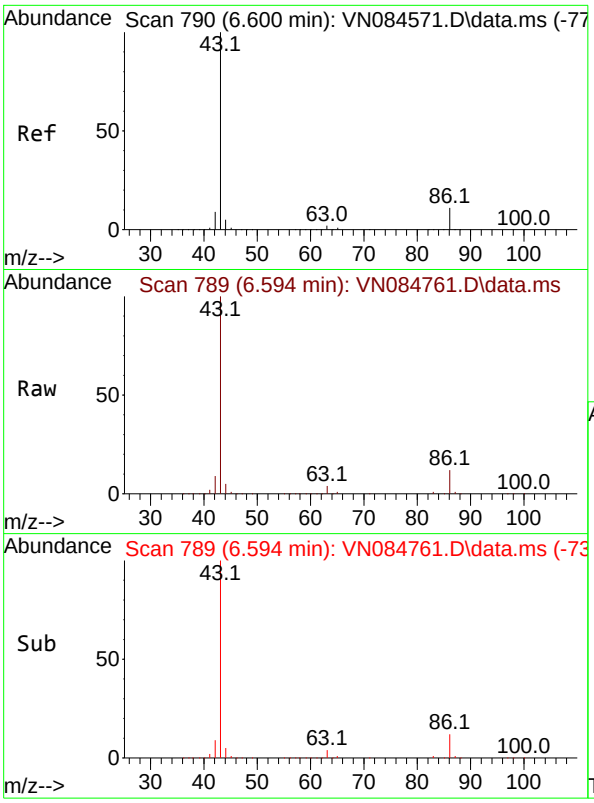


#22
Diisopropyl ether
Concen: 51.170 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 45 Resp: 313158

Ion	Ratio	Lower	Upper
45	100		
43	51.0	42.3	63.5
87	28.0	21.8	32.6
59	11.7	9.6	14.4



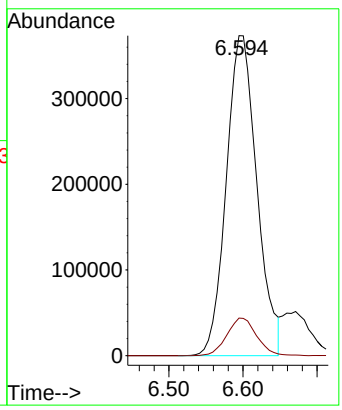


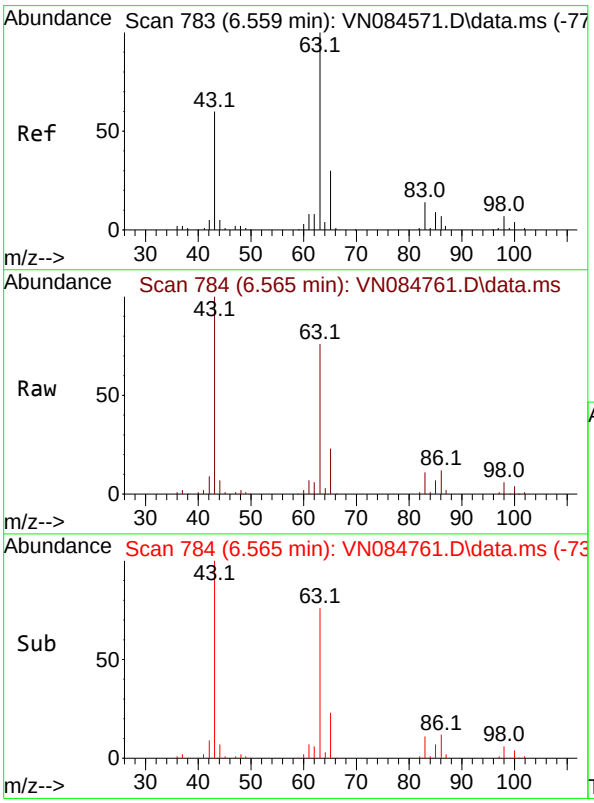
#23
Vinyl Acetate
Concen: 254.260 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1073079

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8

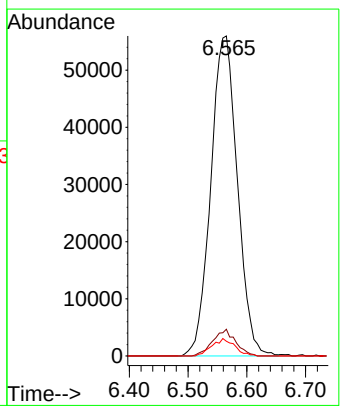


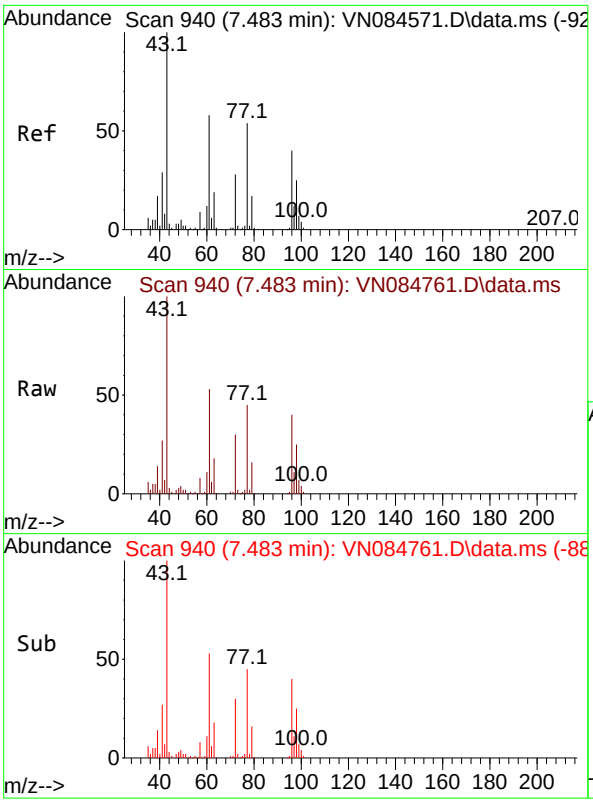


#24
1,1-Dichloroethane
Concen: 47.960 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 63 Resp: 176217

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	4.6	2.0	5.8



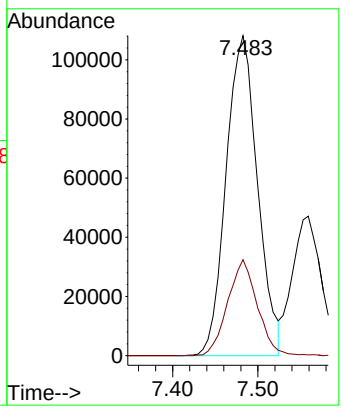


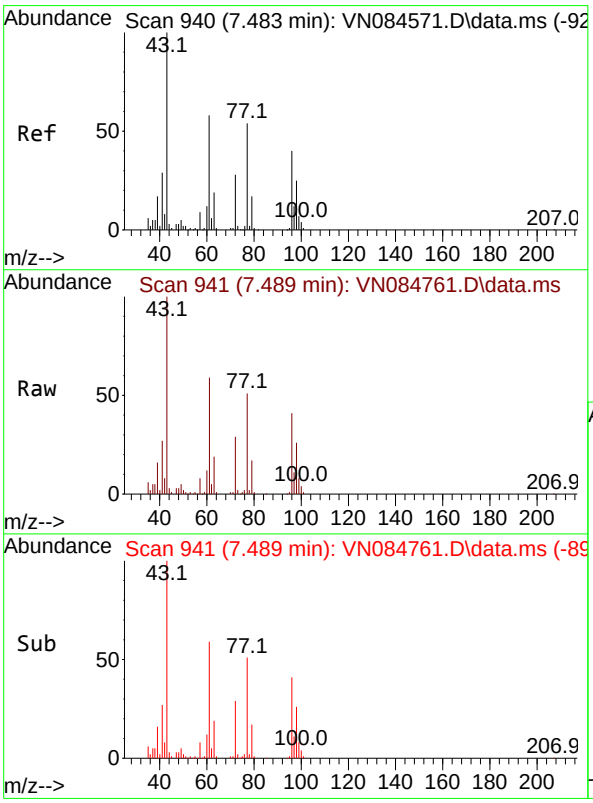
#25
2-Butanone
Concen: 246.947 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 277508

Ion	Ratio	Lower	Upper
43	100		
72	30.0	21.4	32.2

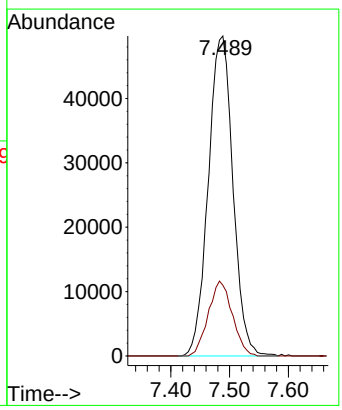


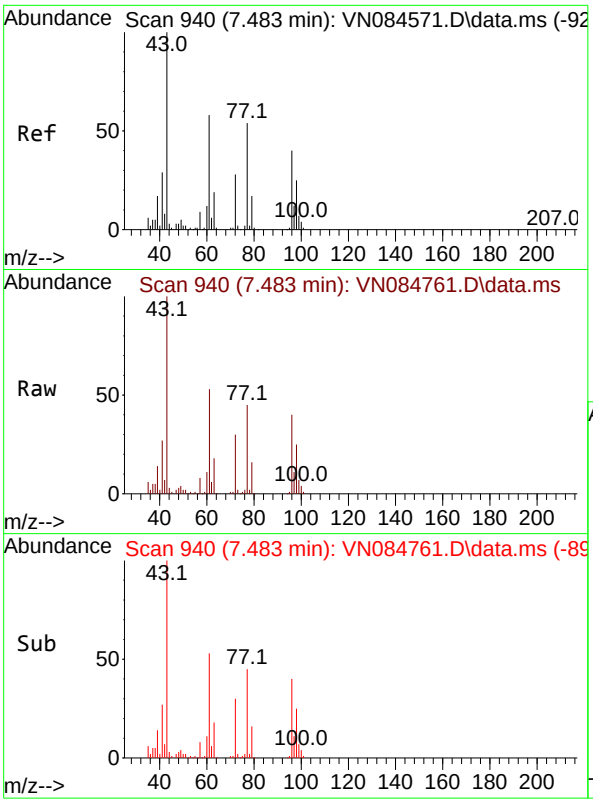


#26
2,2-Dichloropropane
Concen: 45.272 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 77 Resp: 144779

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3



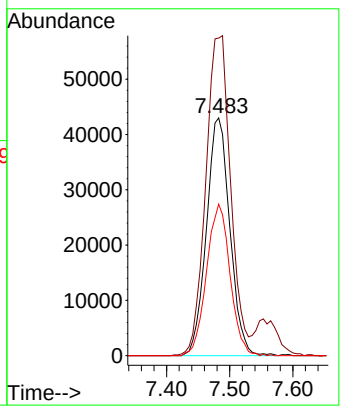


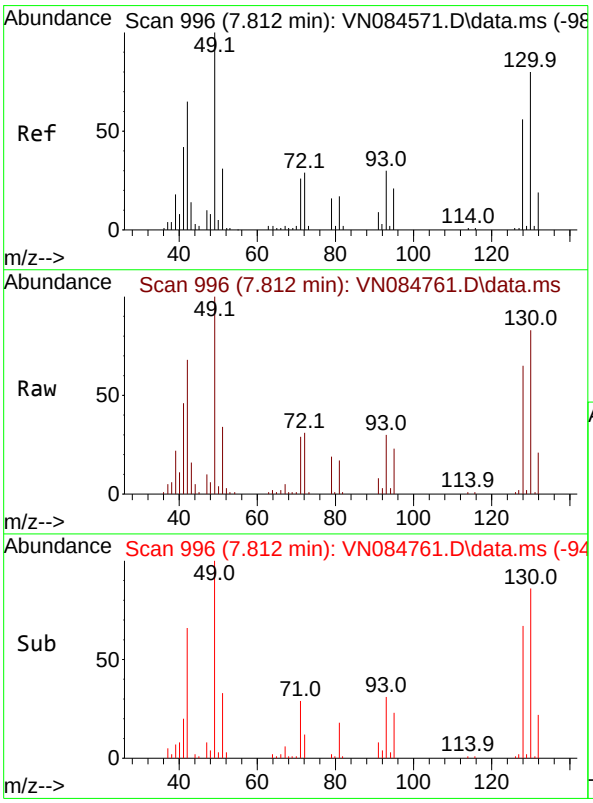
#27
cis-1,2-Dichloroethene
Concen: 48.747 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 110999

Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	301.8
98	63.9	0.0	128.2

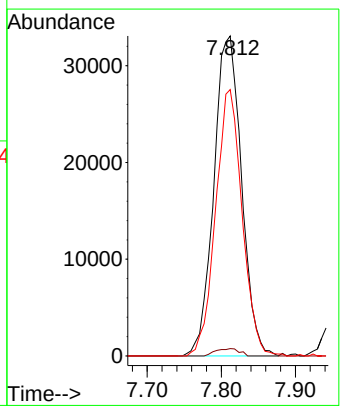


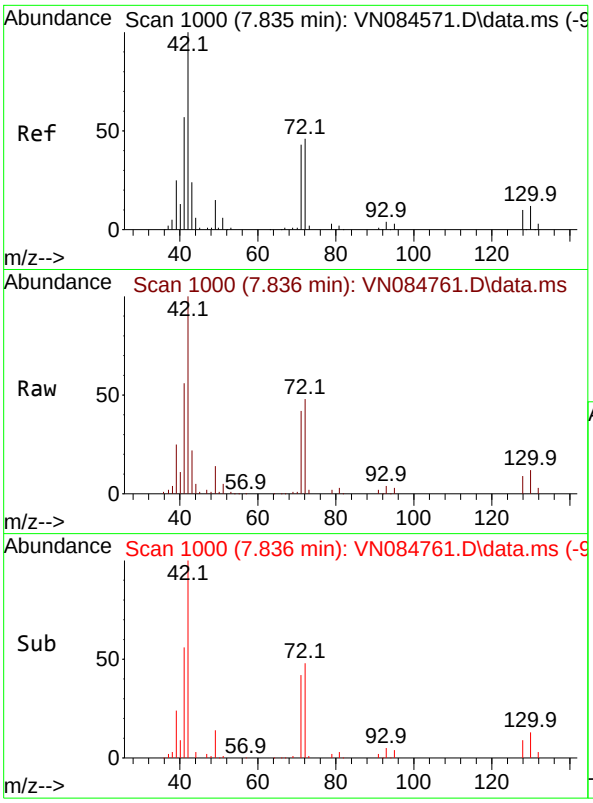


#28
Bromochloromethane
Concen: 58.687 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 49 Resp: 85910

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	79.8	58.0	87.0



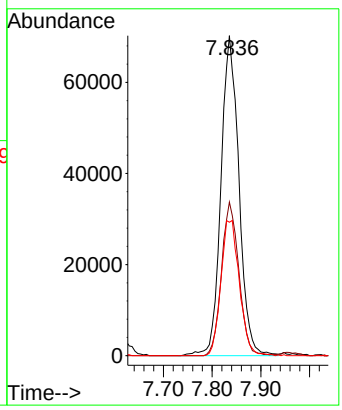


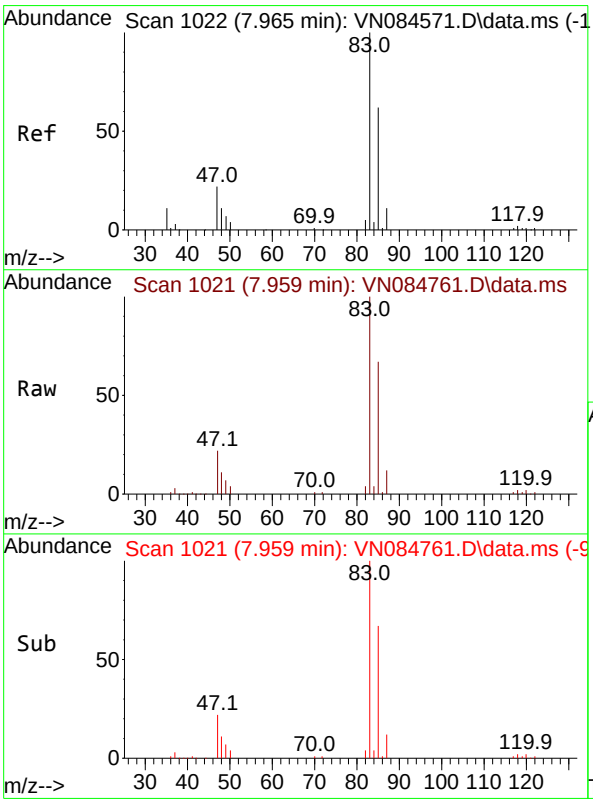
#29
Tetrahydrofuran
Concen: 242.301 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 180639

Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.6	51.8
71	43.3	32.2	48.4

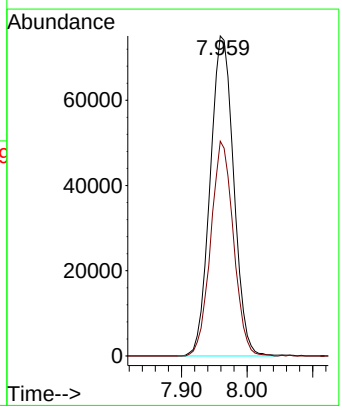


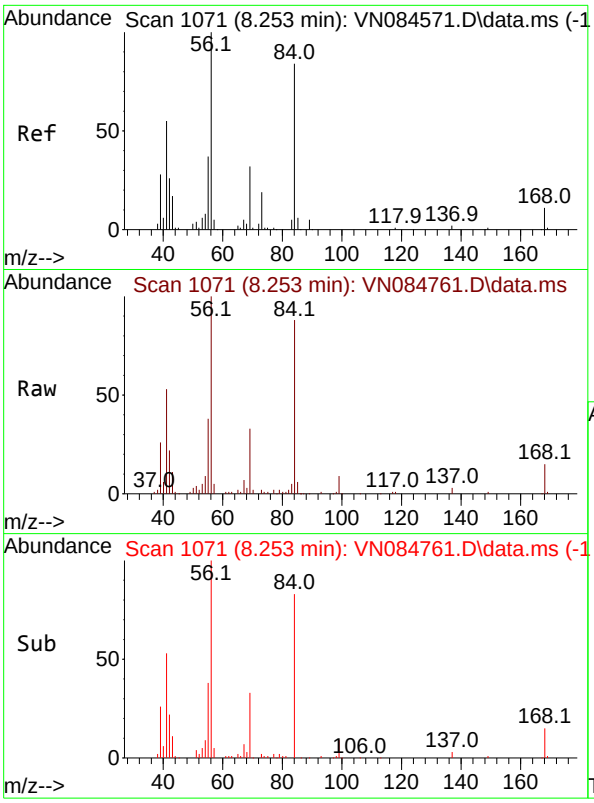


#30
Chloroform
Concen: 50.016 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 83 Resp: 187046

Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.0	76.4



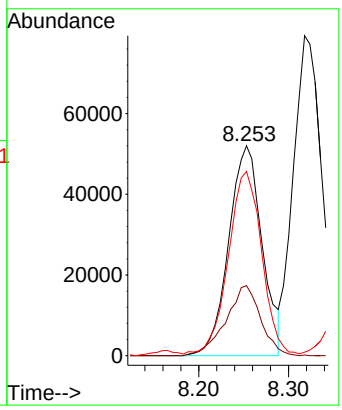


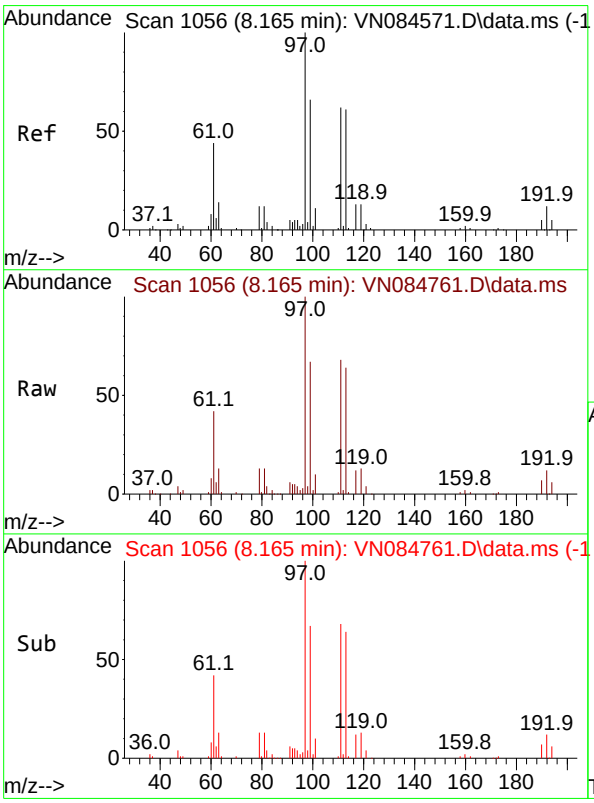
#31
Cyclohexane
Concen: 40.479 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 134612

Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.6
84	86.3	68.8	103.2

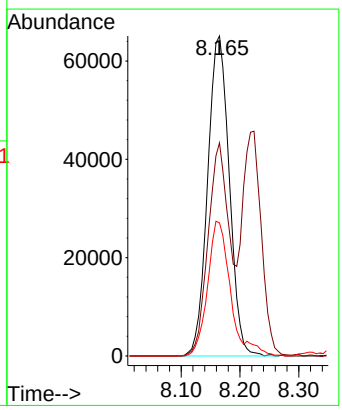


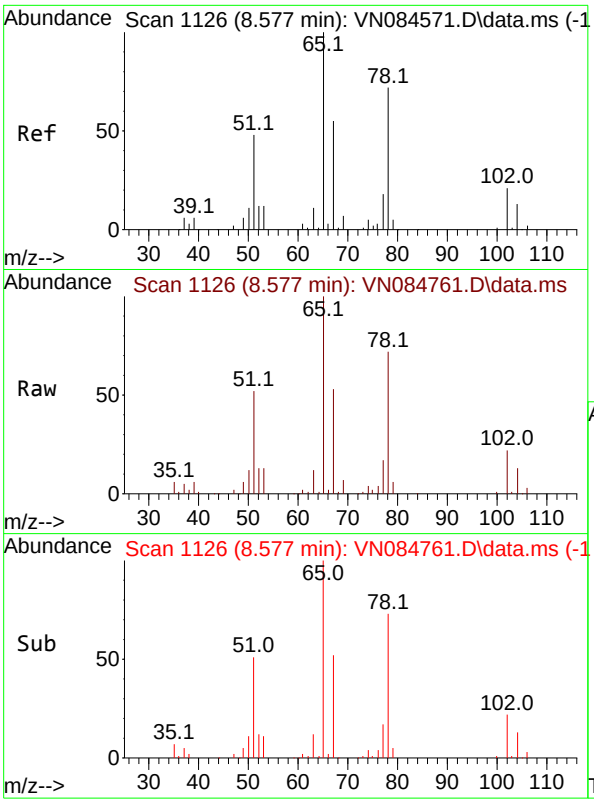


#32
1,1,1-Trichloroethane
Concen: 48.860 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 97 Resp: 166312

Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.2	76.8
61	44.6	37.5	56.3



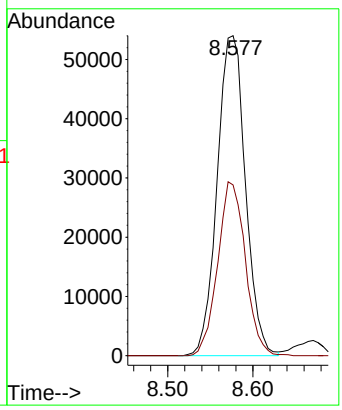


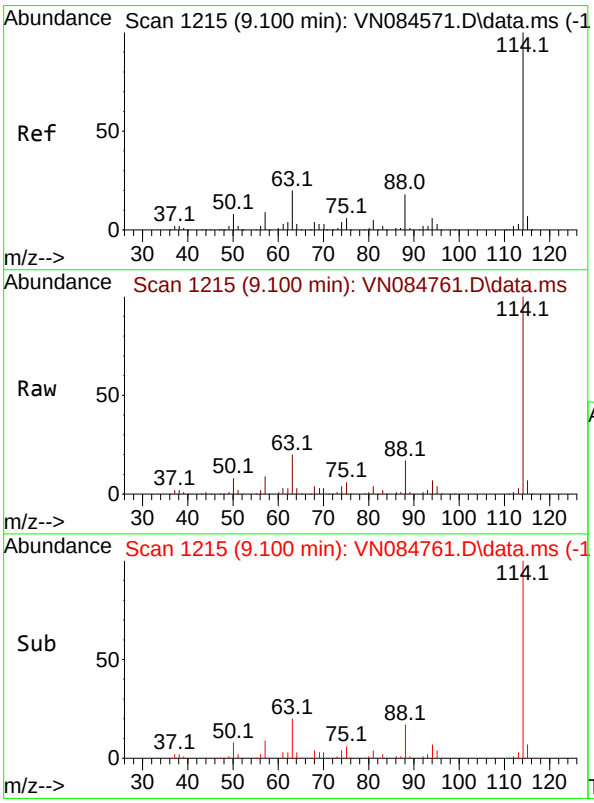
#33
1,2-Dichloroethane-d4
Concen: 51.699 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 124529

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.0

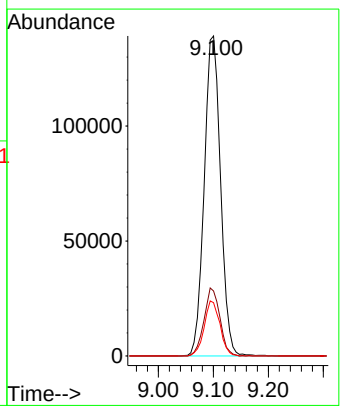


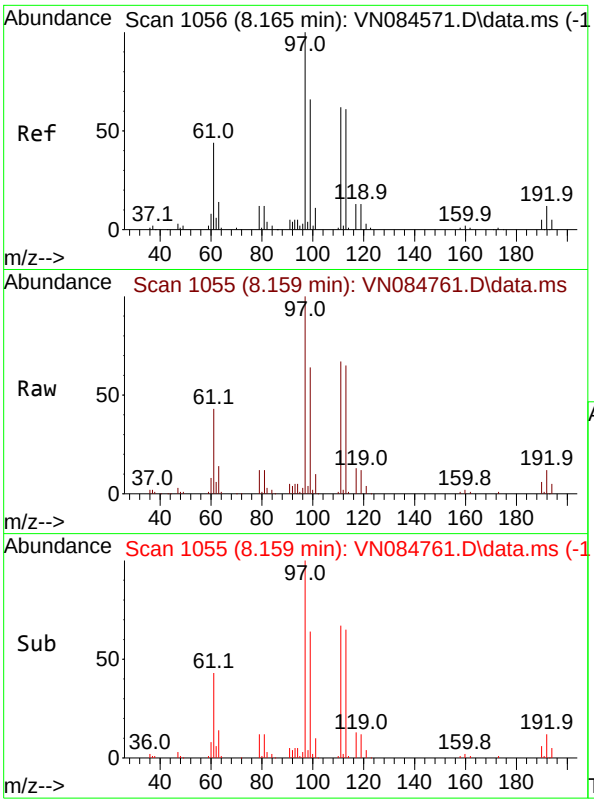


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:114 Resp: 287444

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.8
88	16.7	0.0	31.6



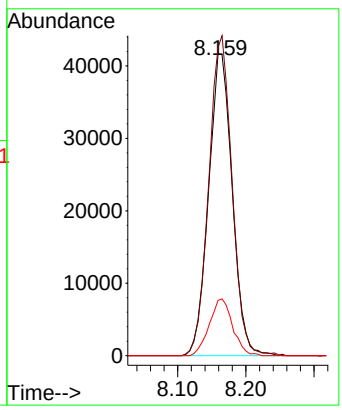


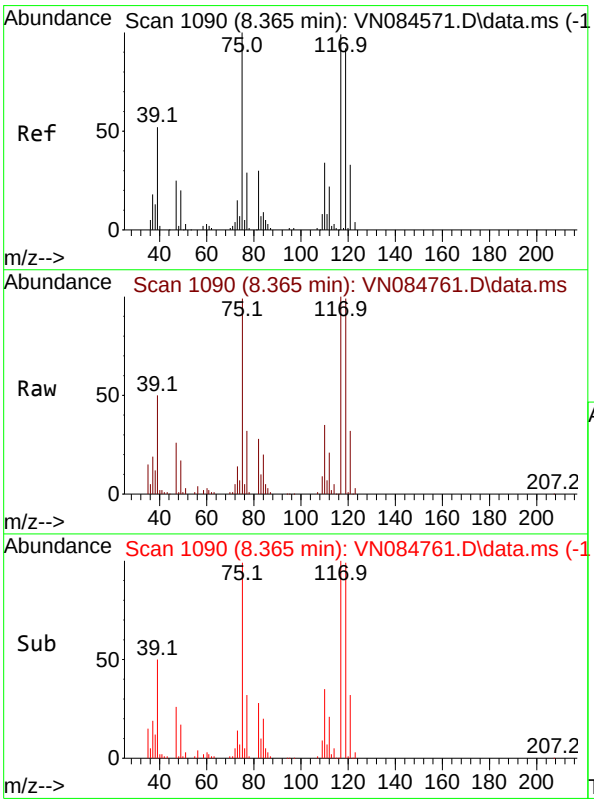
#35
Dibromofluoromethane
Concen: 51.805 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 100795

Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.3	124.9
192	18.5	13.5	20.3

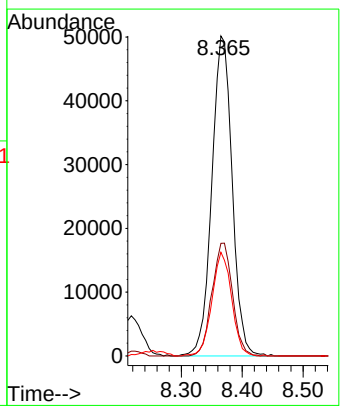


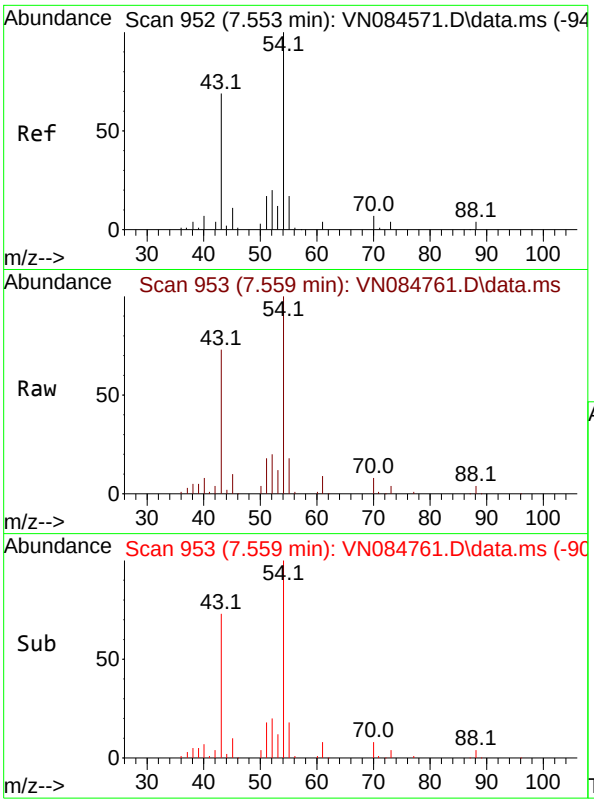


#36
1,1-Dichloropropene
Concen: 43.185 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 116530

Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	31.4	24.7	37.1



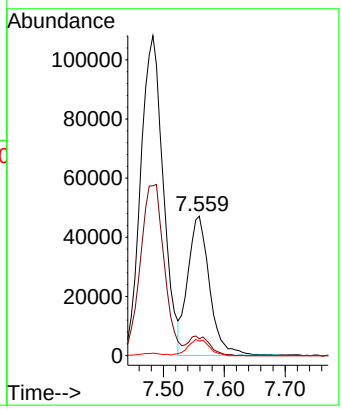


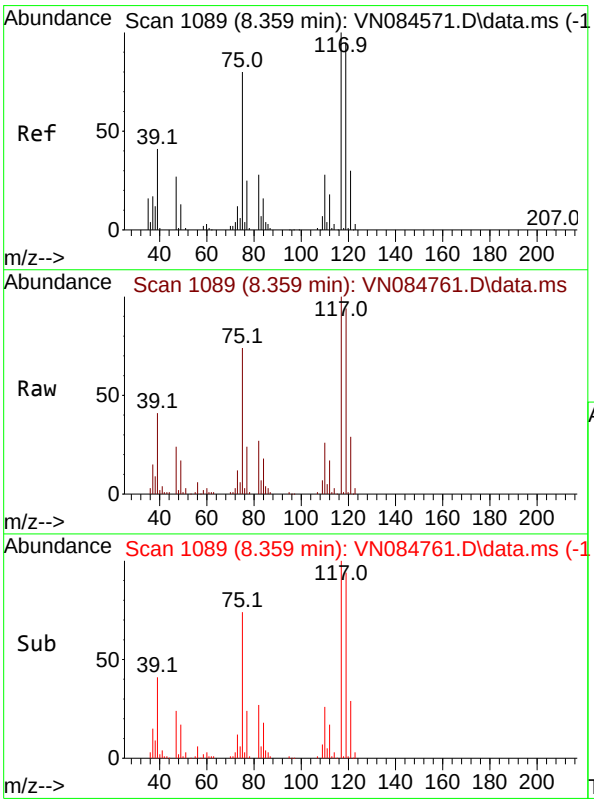
#37
Ethyl Acetate
Concen: 47.723 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 116837

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.4	8.8	13.2

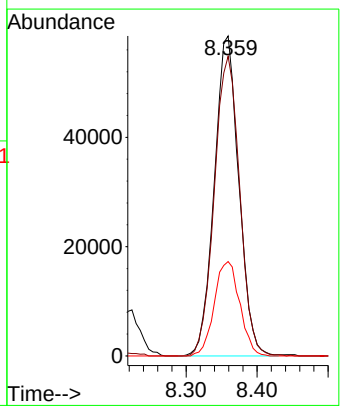


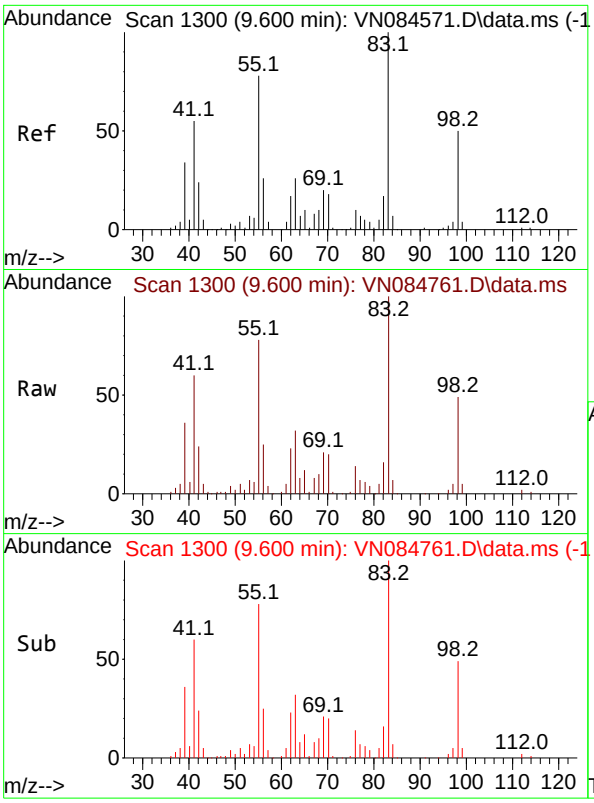


#38
Carbon Tetrachloride
Concen: 46.534 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:117 Resp: 140352

Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.7	118.1
121	29.5	24.4	36.6



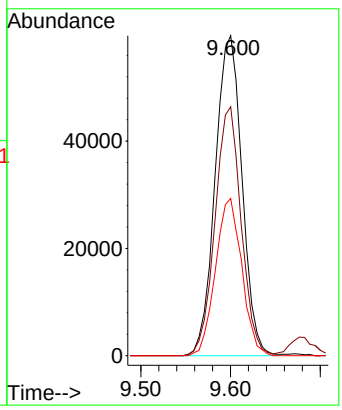


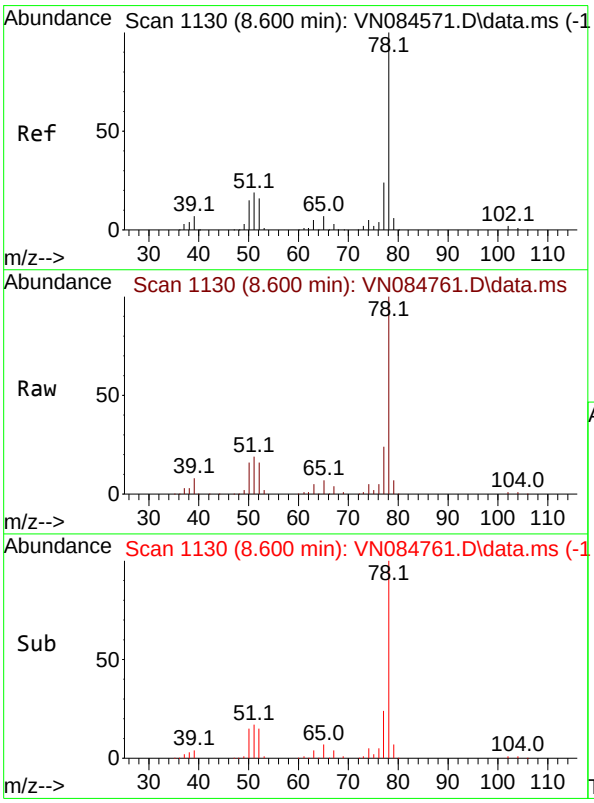
#39
Methylcyclohexane
Concen: 45.143 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 123923

Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.8	94.2
98	49.2	38.8	58.2

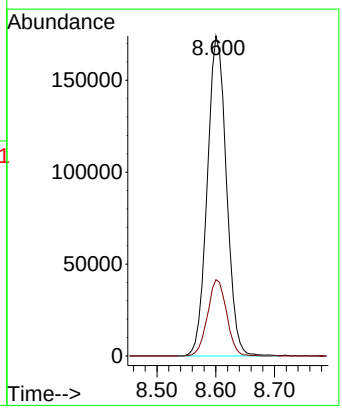


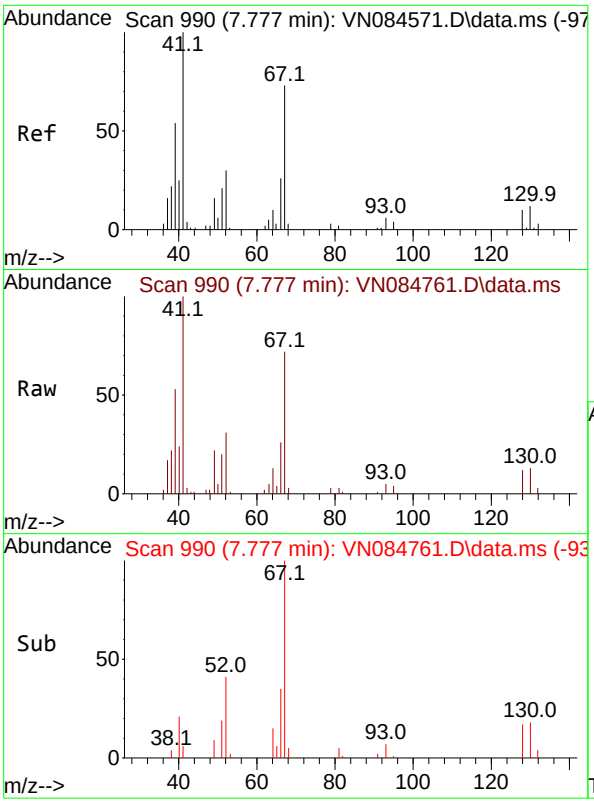


#40
Benzene
Concen: 45.489 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 78 Resp: 394197

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7



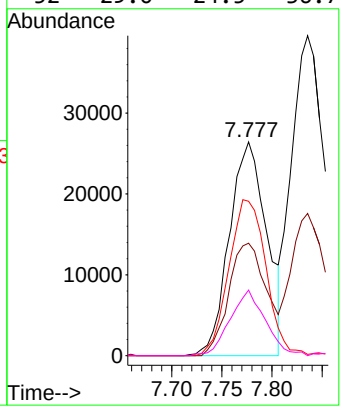


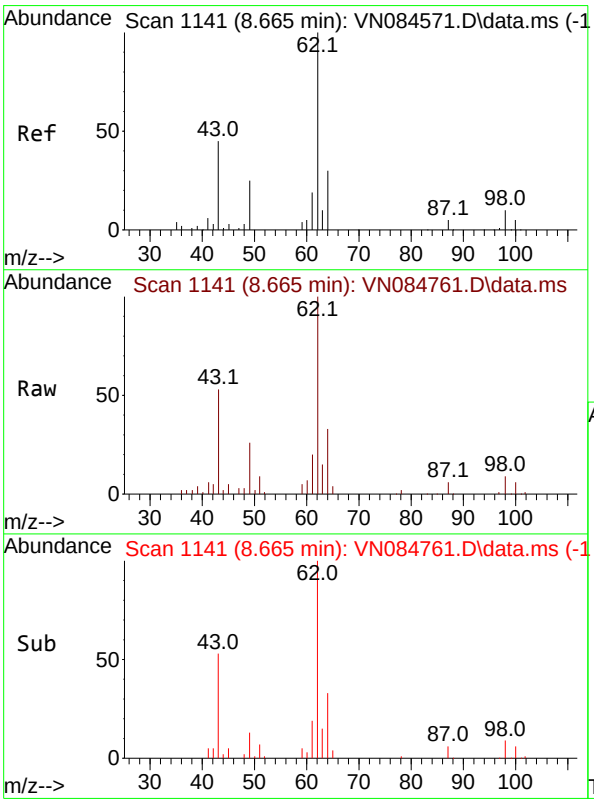
#41
Methacrylonitrile
Concen: 51.967 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 68417

Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	72.7	56.1	84.1
52	29.0	24.5	36.7

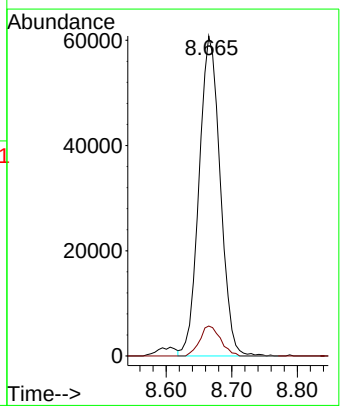


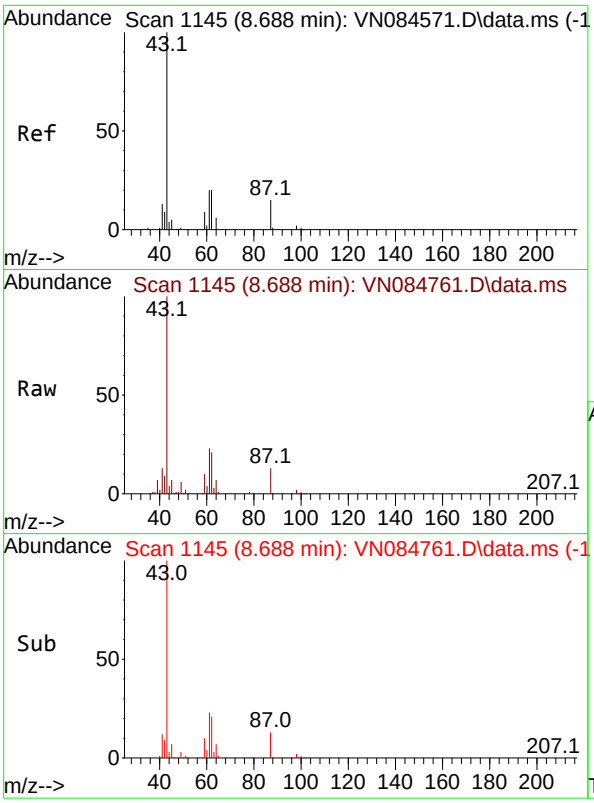


#42
1,2-Dichloroethane
Concen: 48.633 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 62 Resp: 136487

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



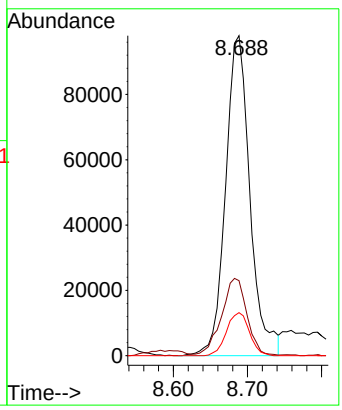


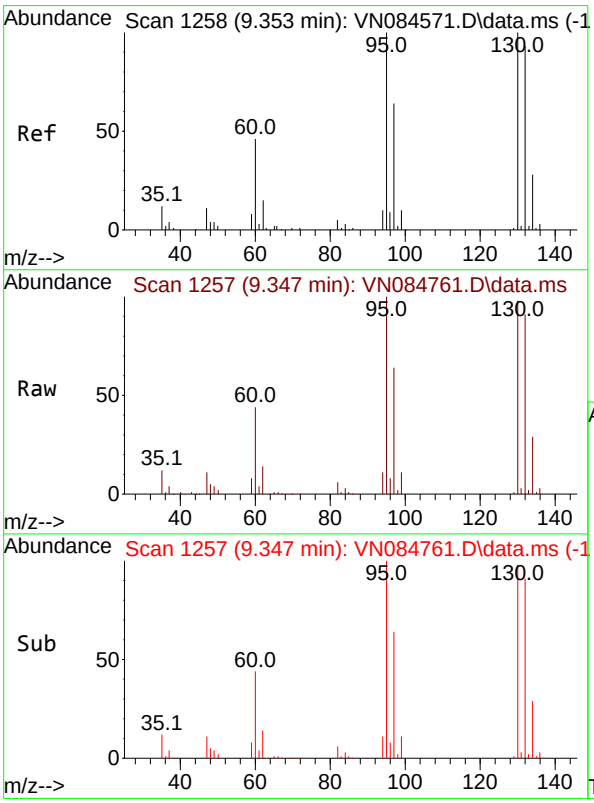
#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 224271

Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.6	10.3	15.5

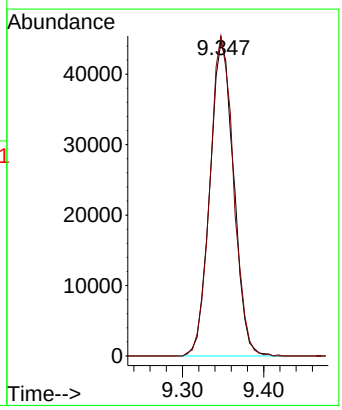


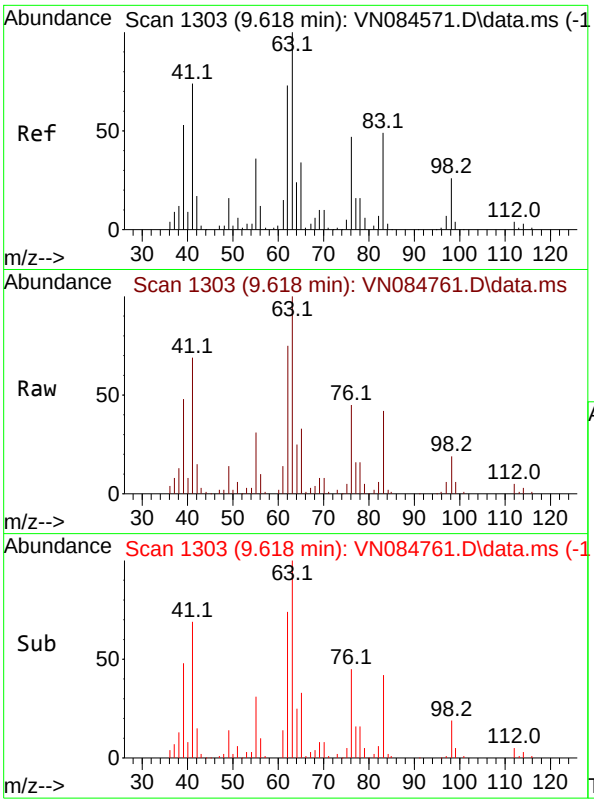


#44
Trichloroethene
Concen: 45.624 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:130 Resp: 91180

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0



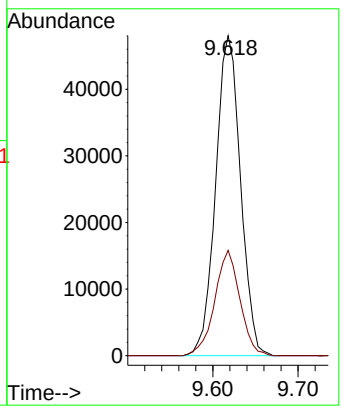


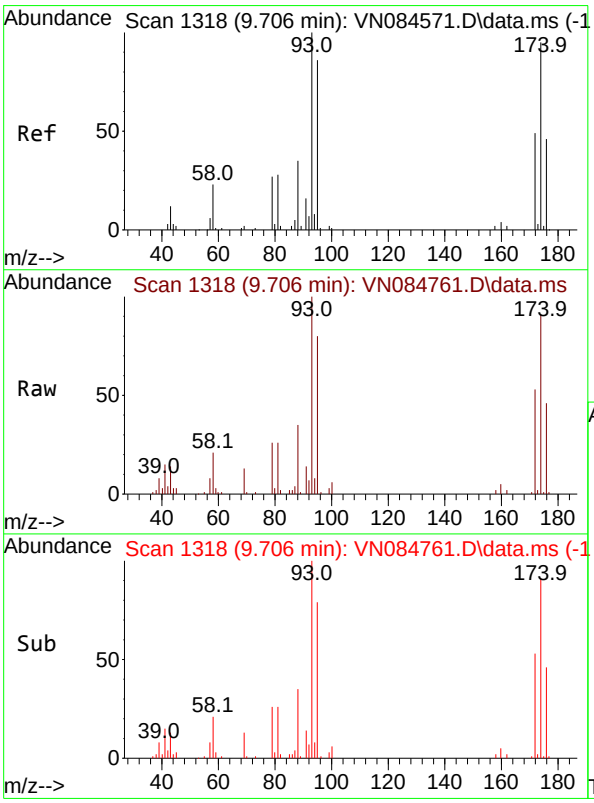
#45
1,2-Dichloropropane
Concen: 48.010 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 97596

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.6	37.0

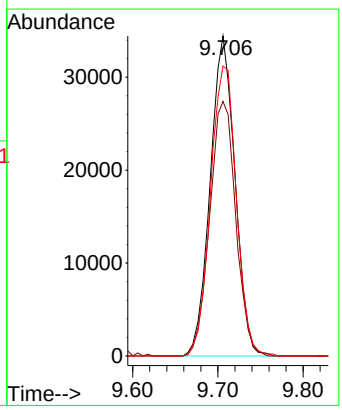


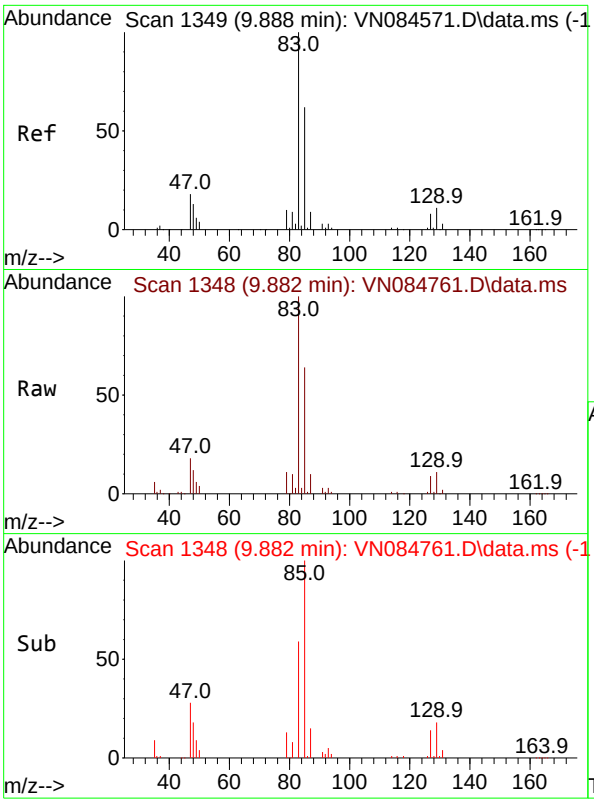


#46
Dibromomethane
Concen: 48.372 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 93 Resp: 69386

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.4
174	94.8	71.8	107.8



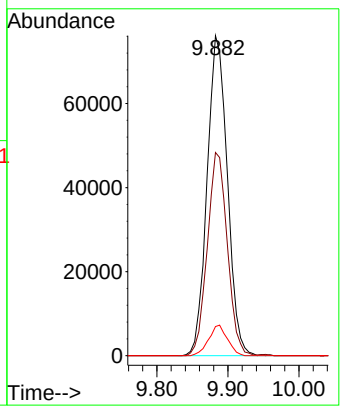


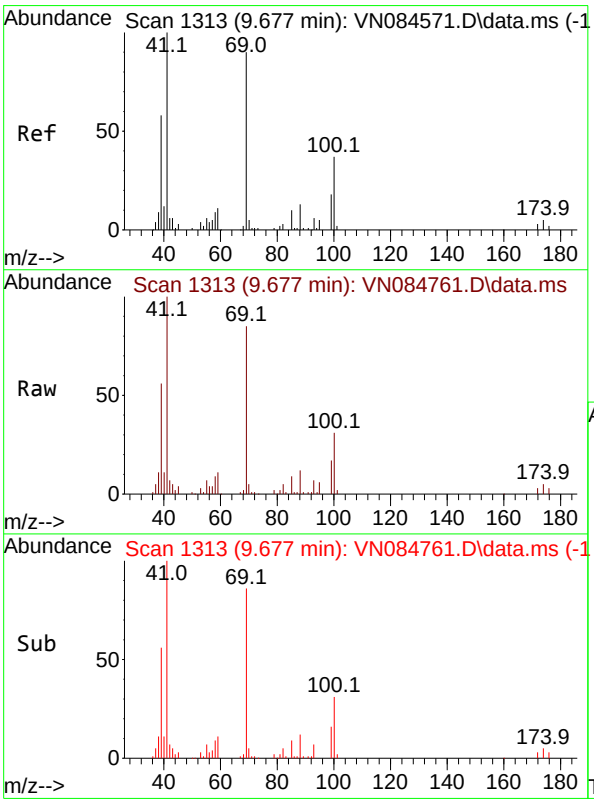
#47
Bromodichloromethane
Concen: 49.898 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 150876

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	9.1	5.7	8.5#

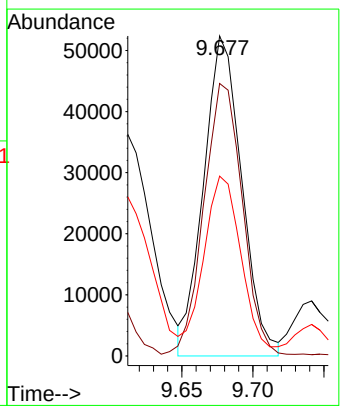


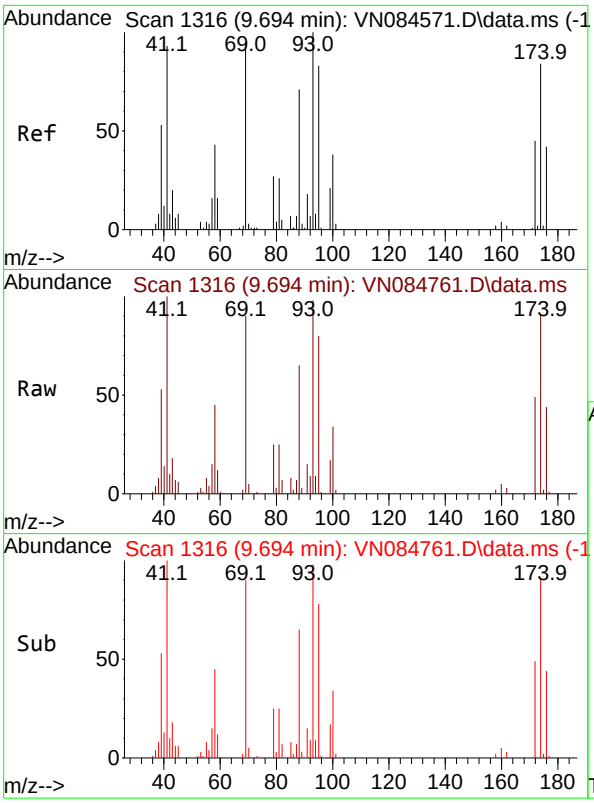


#48
Methyl methacrylate
Concen: 51.298 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 41 Resp: 97742

Ion	Ratio	Lower	Upper
41	100		
69	86.8	67.1	100.7
39	55.6	45.8	68.6



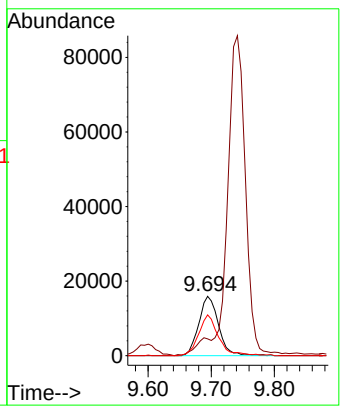


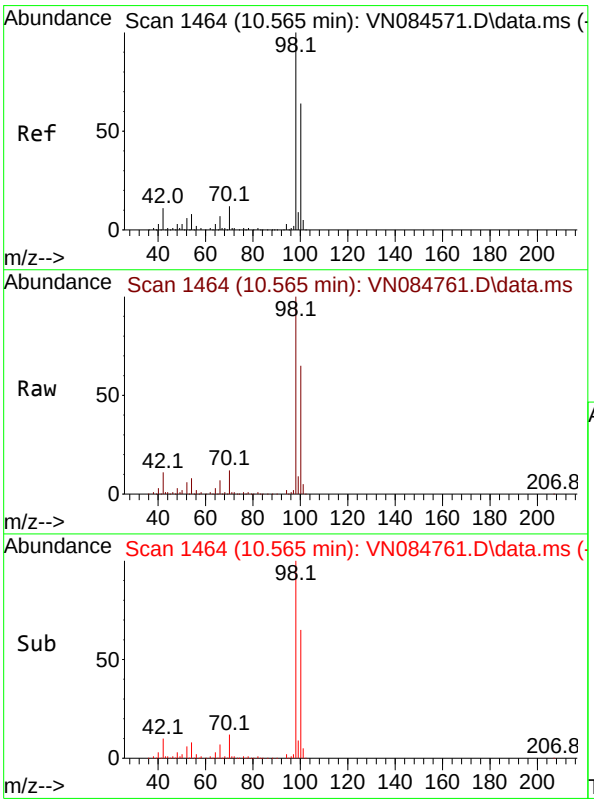
#49
1,4-Dioxane
Concen: 1024.951 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 34607

Ion	Ratio	Lower	Upper
88	100		
43	24.1	25.3	37.9#
58	69.0	56.4	84.6

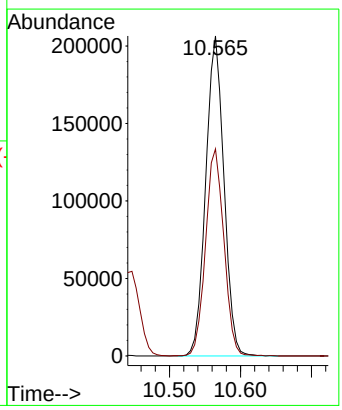


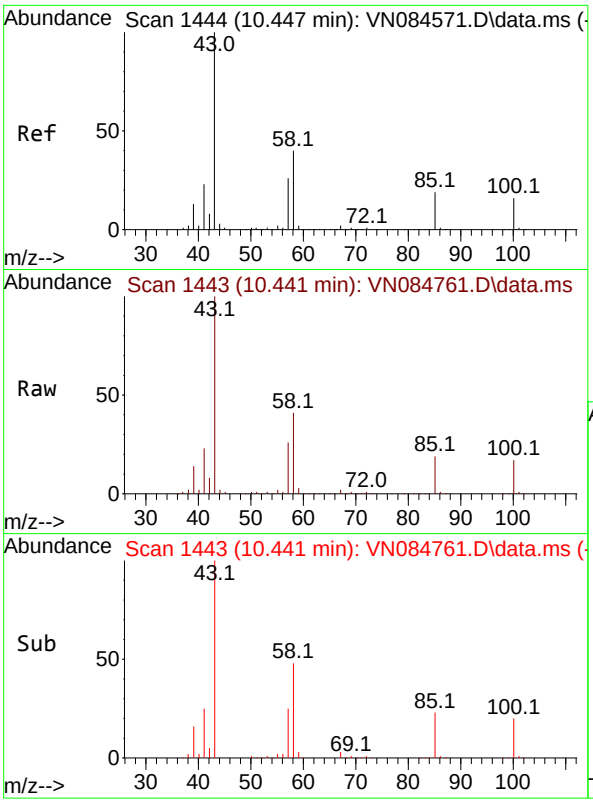


#50
Toluene-d8
Concen: 51.238 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 98 Resp: 367233

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



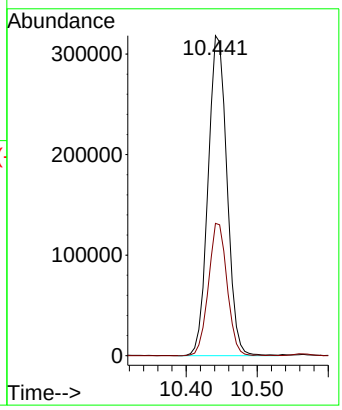


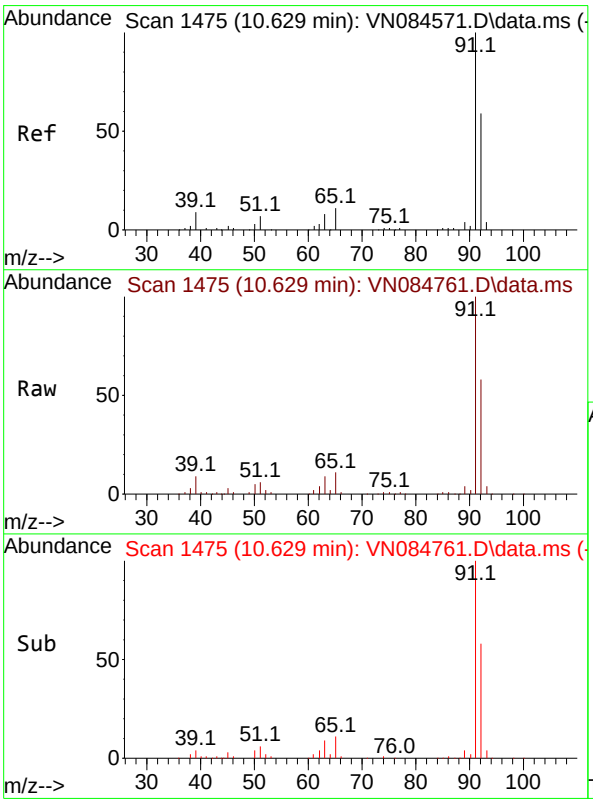
#51
4-Methyl-2-Pentanone
Concen: 251.554 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 587099

Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4

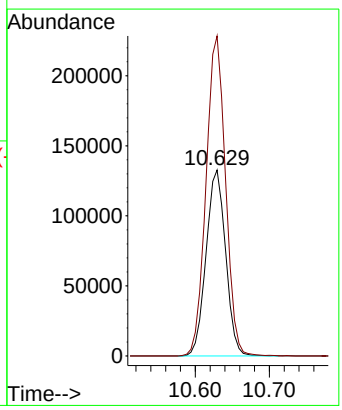


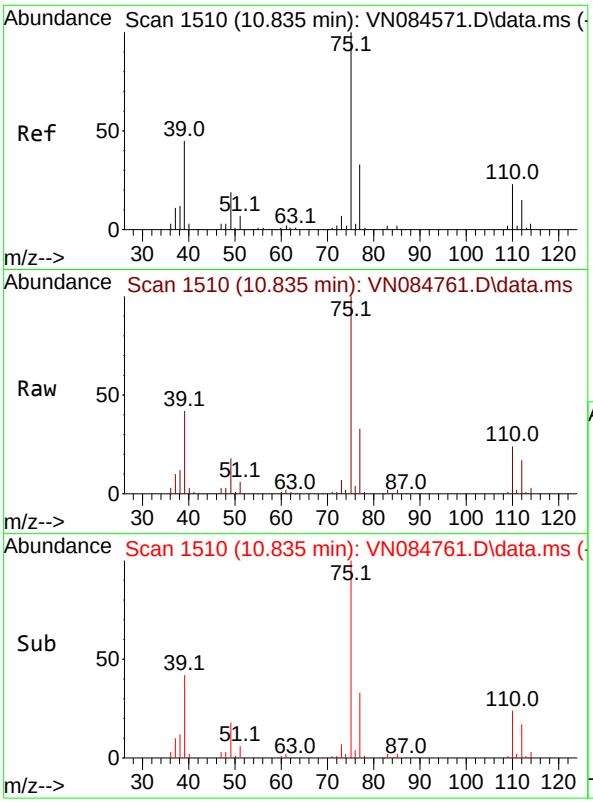


#52
Toluene
Concen: 47.933 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 92 Resp: 242933

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9



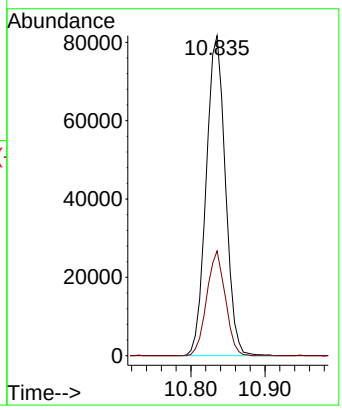


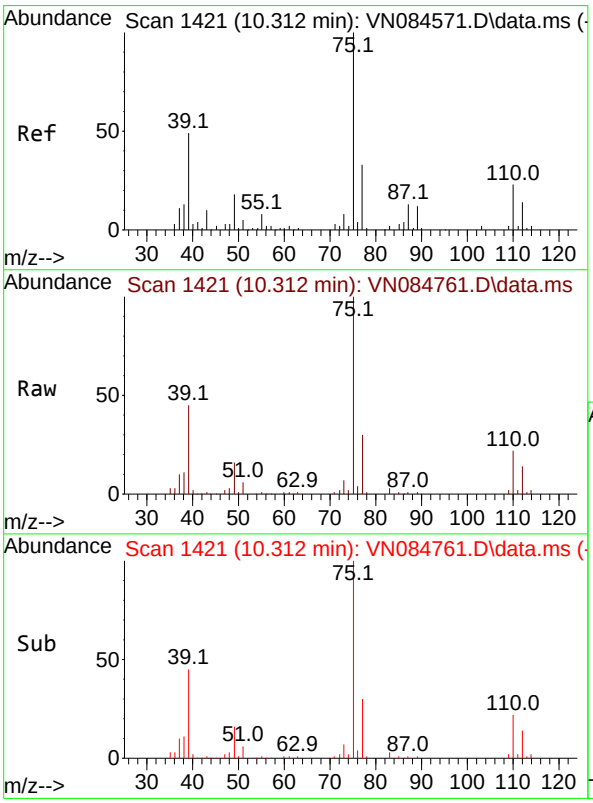
#53
t-1,3-Dichloropropene
Concen: 46.912 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 146826

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

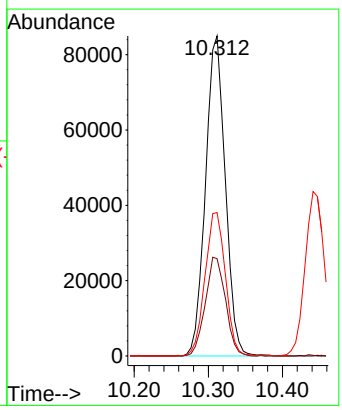


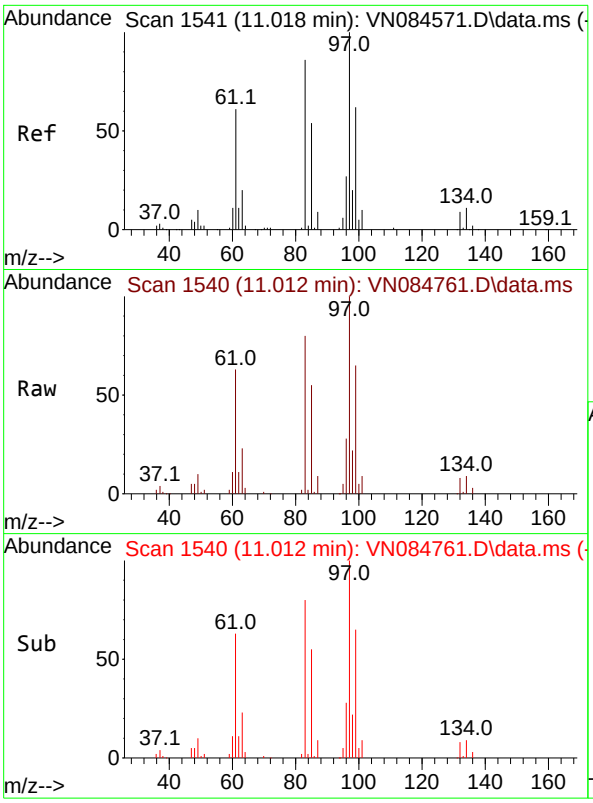


#54
cis-1,3-Dichloropropene
Concen: 47.515 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 157398

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.2	36.2
39	44.8	38.7	58.1



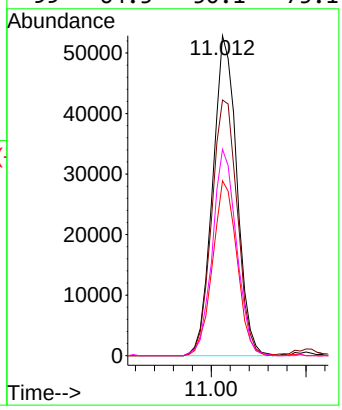


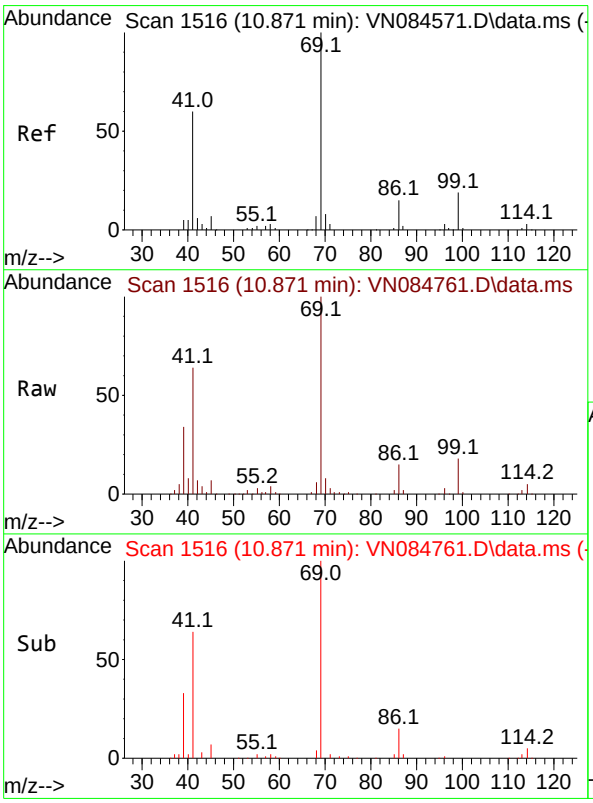
#55
1,1,2-Trichloroethane
Concen: 49.143 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 93820

Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.0	106.4
85	54.7	41.7	62.5
99	64.5	50.1	75.1

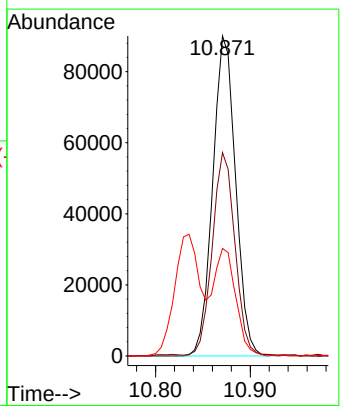


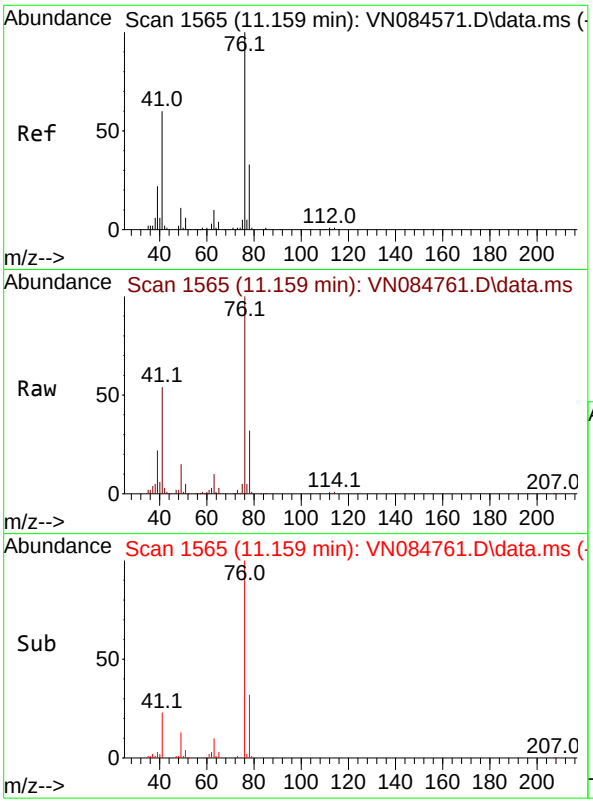


#56
Ethyl methacrylate
Concen: 54.724 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 69 Resp: 151119

Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.3	79.9
39	32.9	28.8	43.2



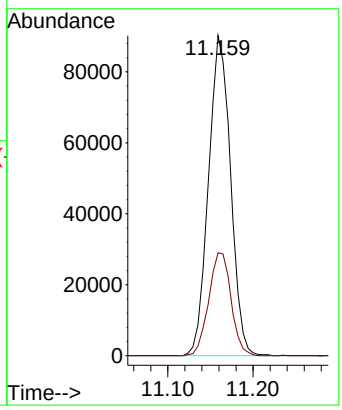


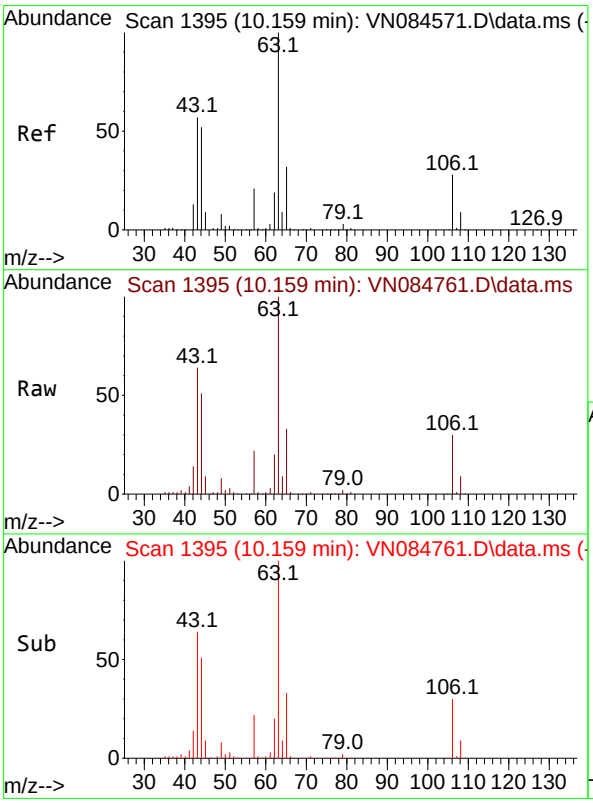
#57
1,3-Dichloropropane
Concen: 49.490 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 162153

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

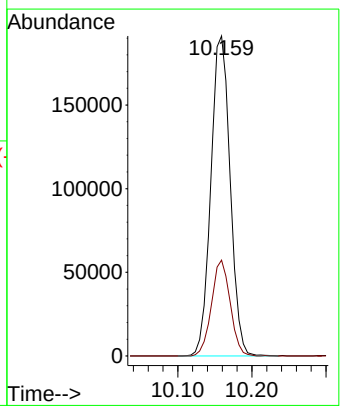


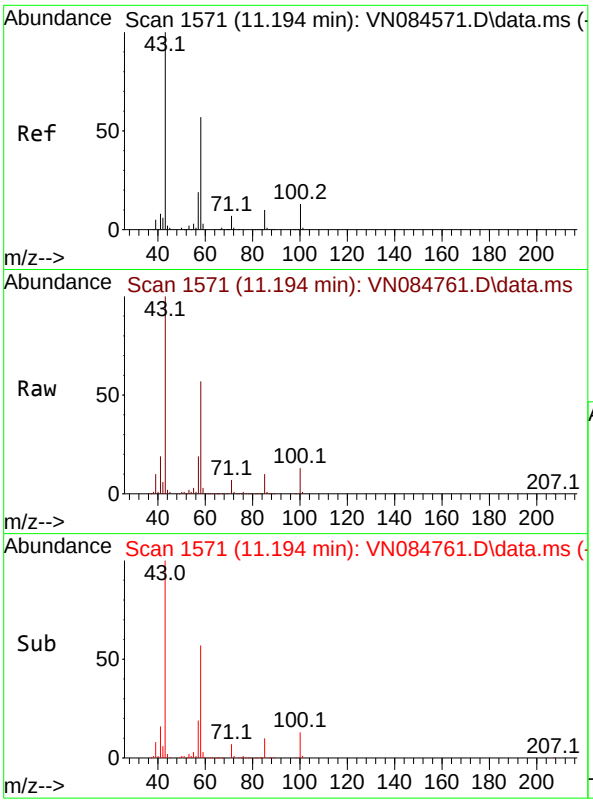


#58
2-Chloroethyl Vinyl ether
Concen: 267.152 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 63 Resp: 345207

Ion	Ratio	Lower	Upper
63	100		
106	29.0	21.8	32.6



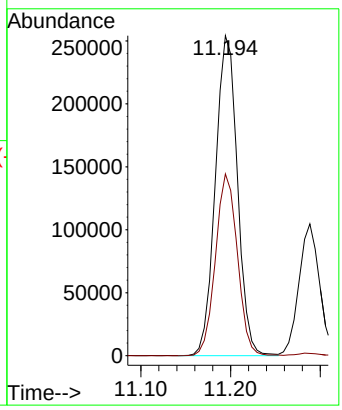


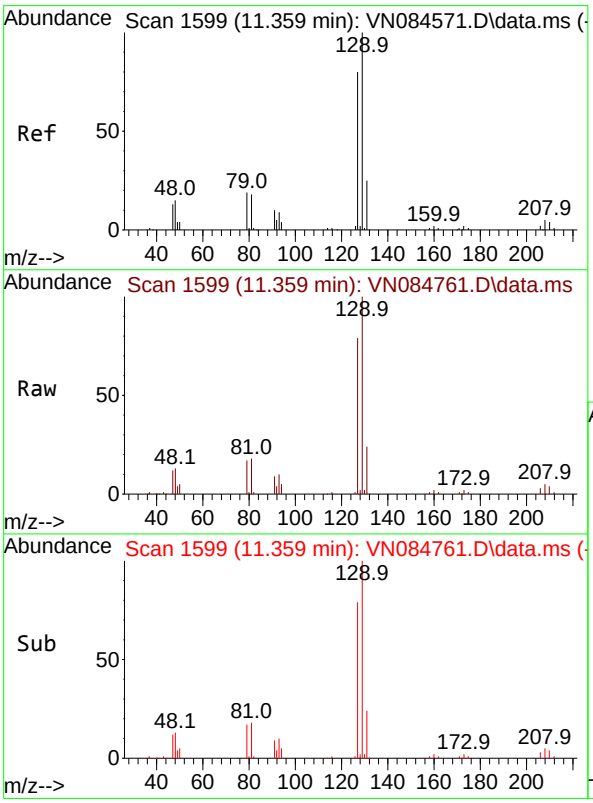
#59
2-Hexanone
Concen: 255.313 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 433726

Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.3	81.8

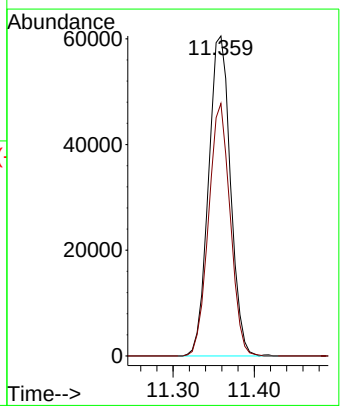


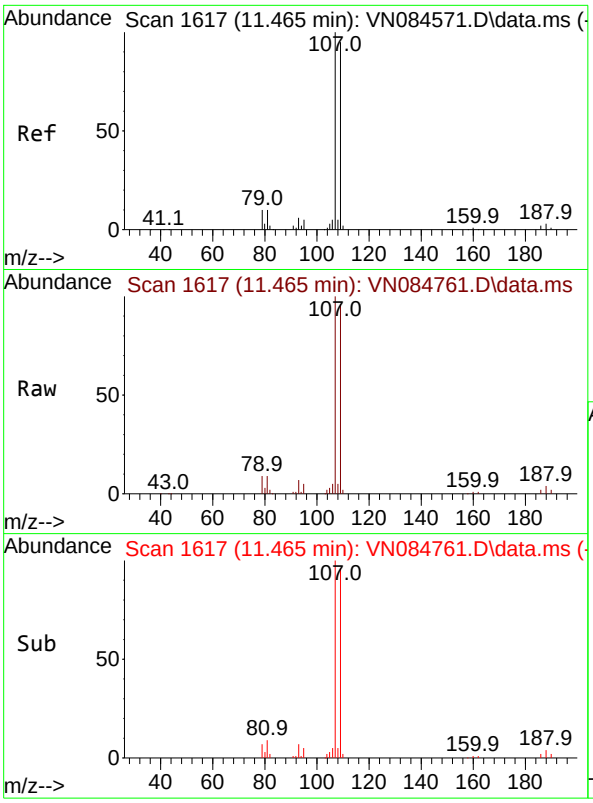


#60
Dibromochloromethane
Concen: 52.259 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:129 Resp: 113705

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9



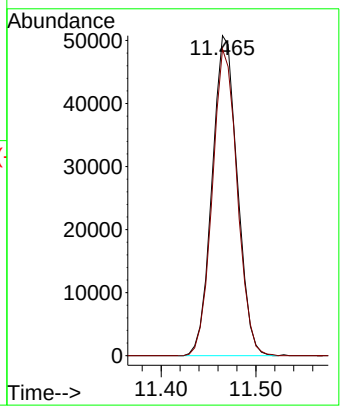


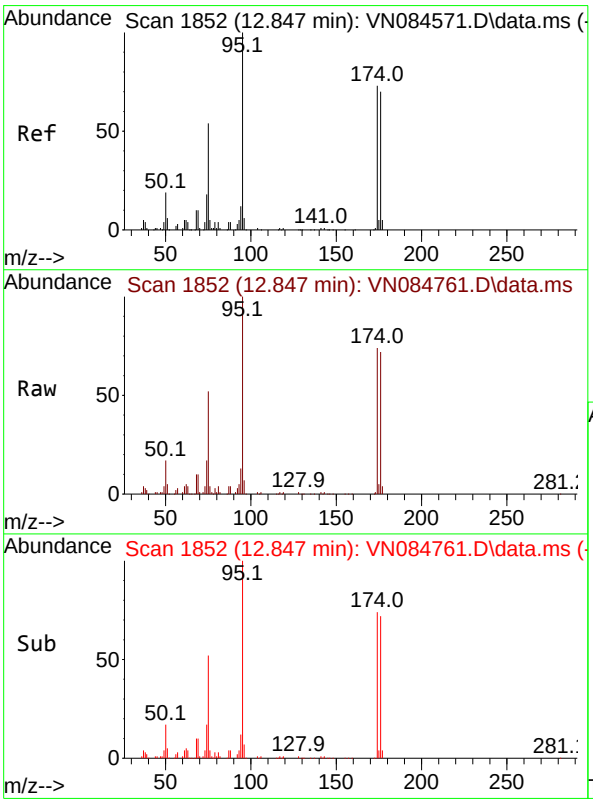
#61
1,2-Dibromoethane
Concen: 47.966 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 93773

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0

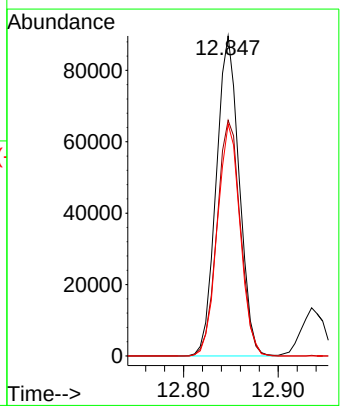


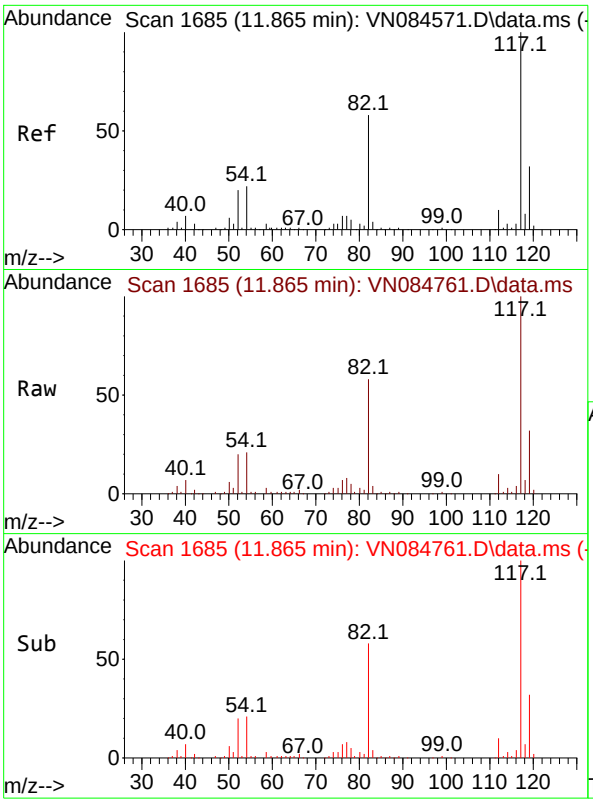


#62
4-Bromofluorobenzene
Concen: 56.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 95 Resp: 151201

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	72.1	0.0	140.0



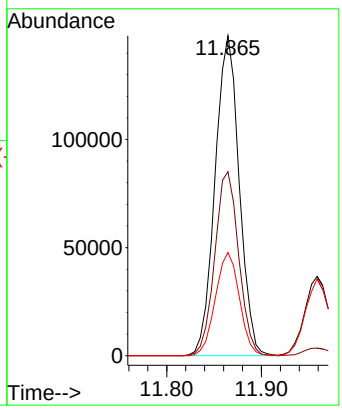


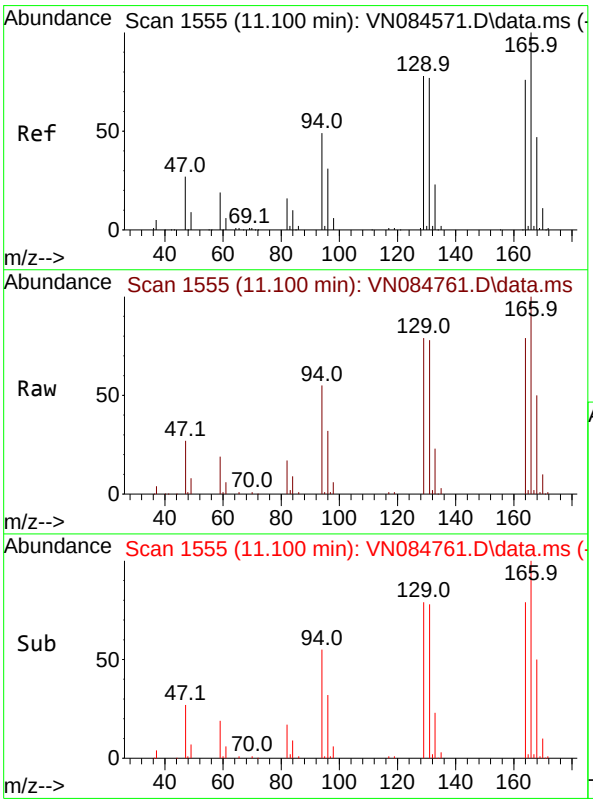
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 262505

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.2	70.8
119	32.2	25.4	38.0

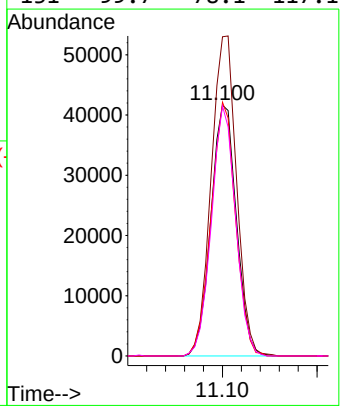


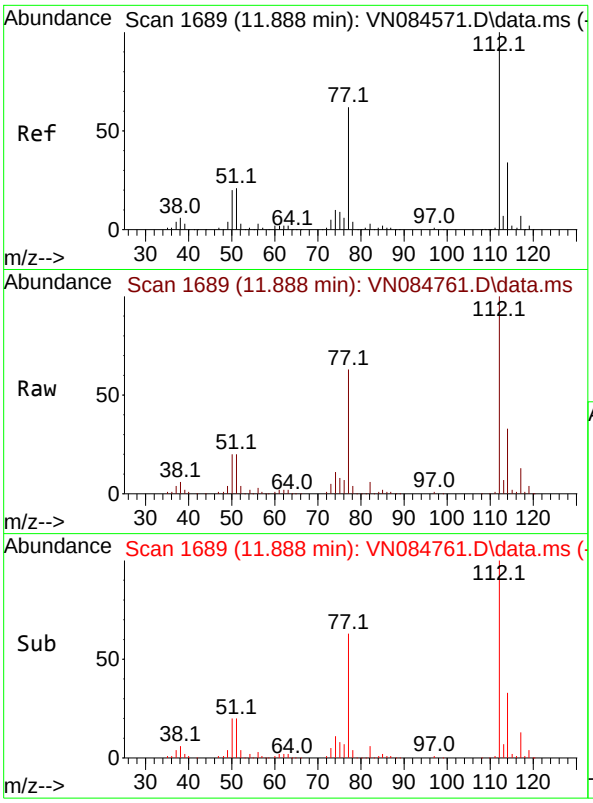


#64
Tetrachloroethene
Concen: 44.374 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:164 Resp: 77481

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.4
129	101.2	80.8	121.2
131	99.7	78.1	117.1



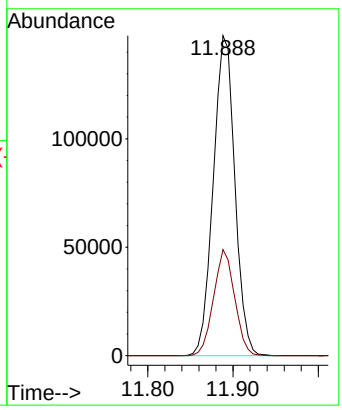


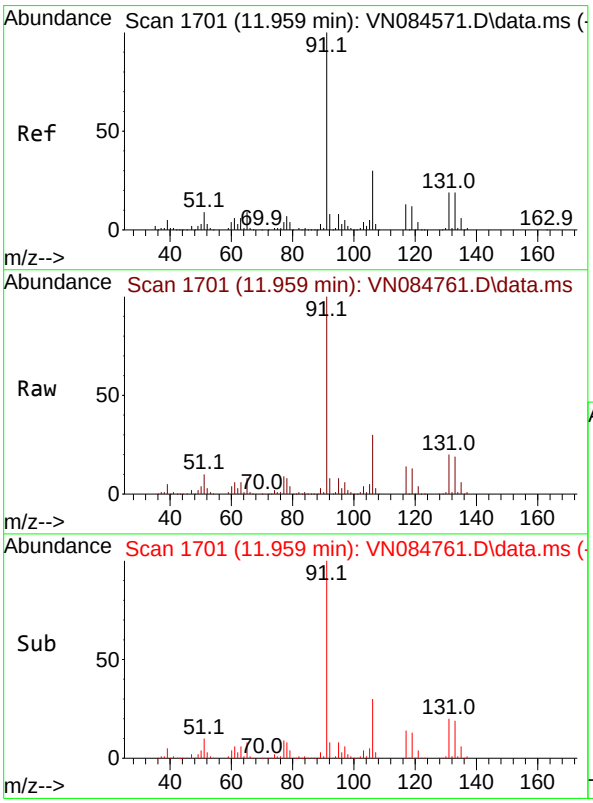
#65
Chlorobenzene
Concen: 44.169 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 259392

Ion	Ratio	Lower	Upper
112	100		
114	33.1	27.0	40.6

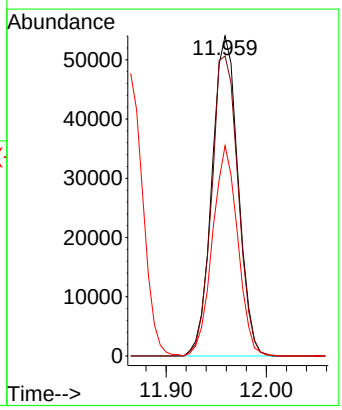


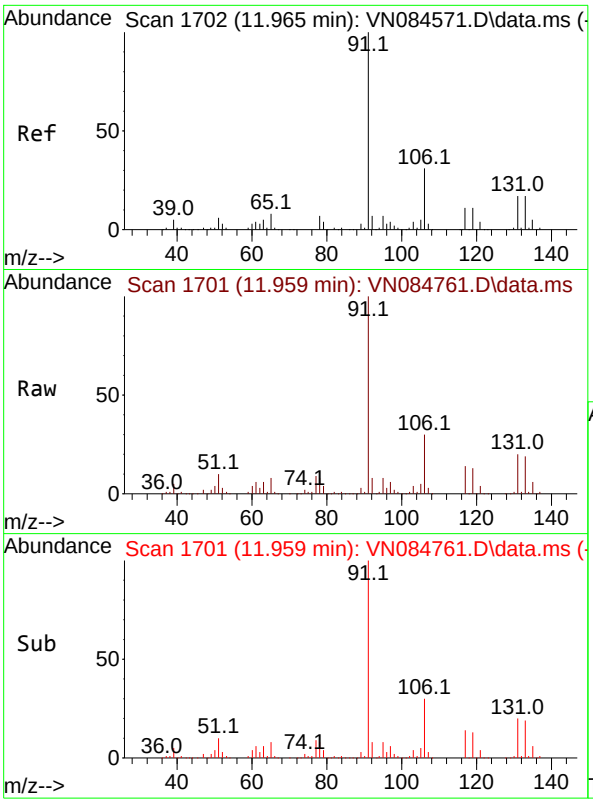


#66
1,1,1,2-Tetrachloroethane
Concen: 47.831 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:131 Resp: 97706

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.7
119	63.5	32.8	98.3



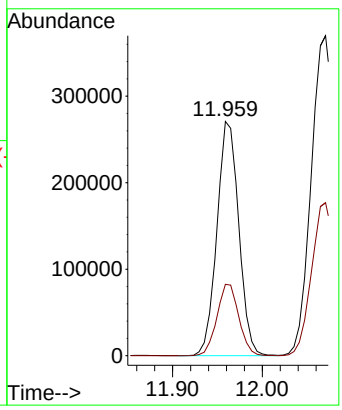


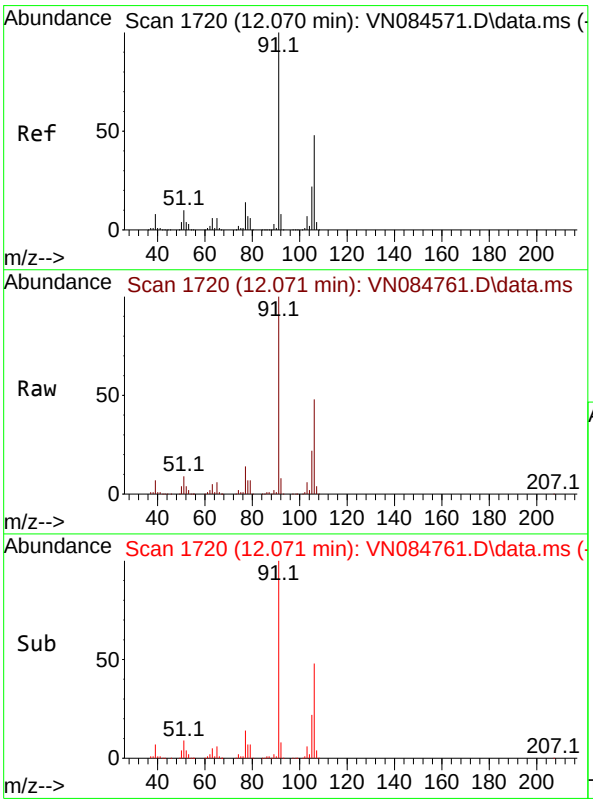
#67
Ethyl Benzene
Concen: 46.703 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 457820

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.5	36.7

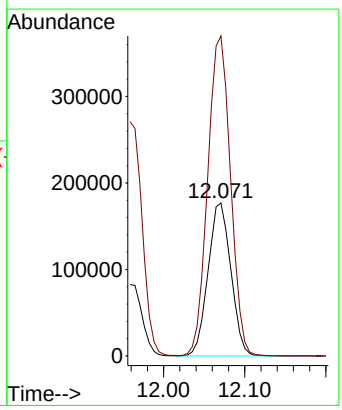


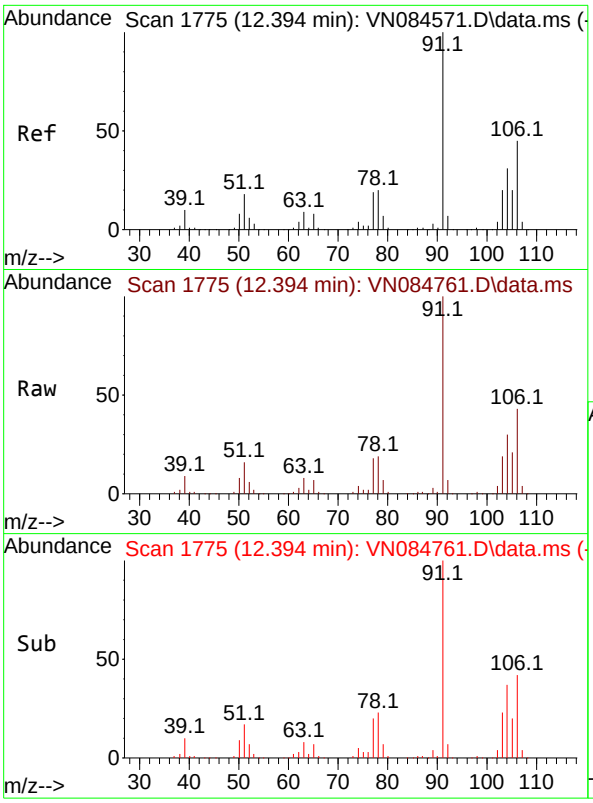


#68
m/p-Xylenes
Concen: 92.969 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:106 Resp: 345030

Ion	Ratio	Lower	Upper
106	100		
91	209.9	167.1	250.7



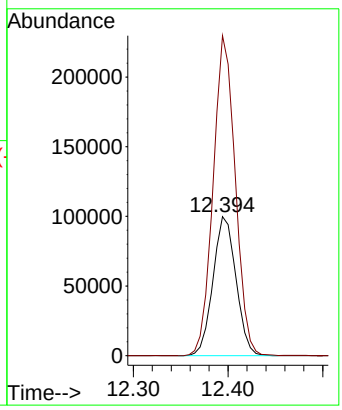


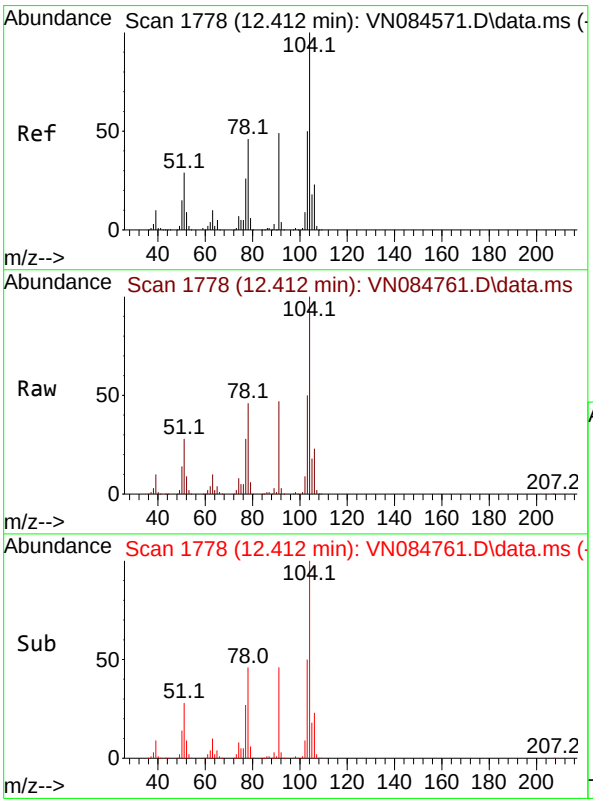
#69
o-Xylene
Concen: 48.500 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 168380

Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.2	330.6

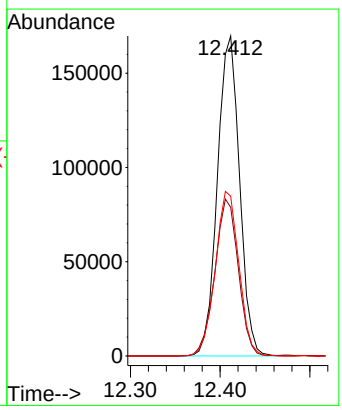


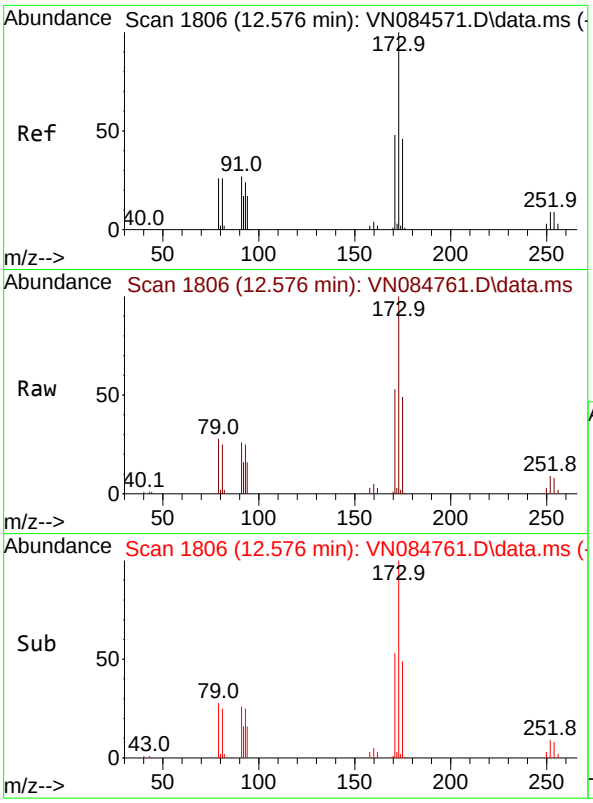


#70
Styrene
Concen: 48.041 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:104 Resp: 290953

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.7	64.1
103	54.6	43.6	65.4



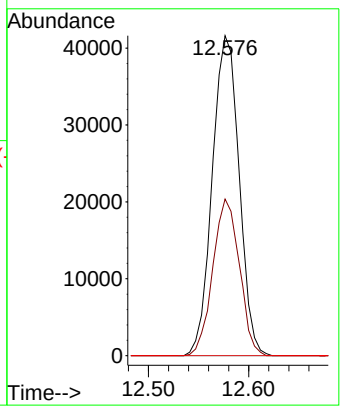


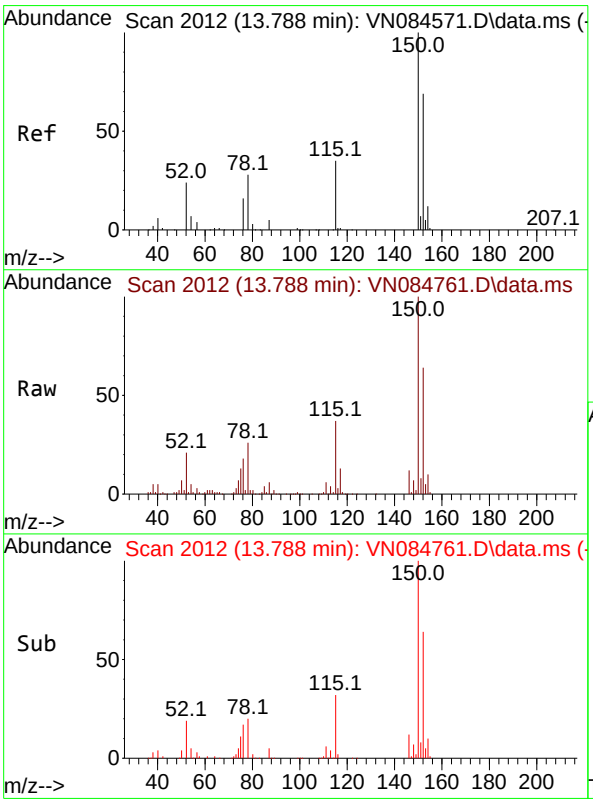
#71
Bromoform
Concen: 50.312 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 77334

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.6
254	0.0	0.0	0.0

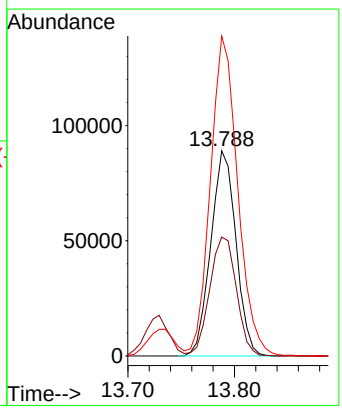


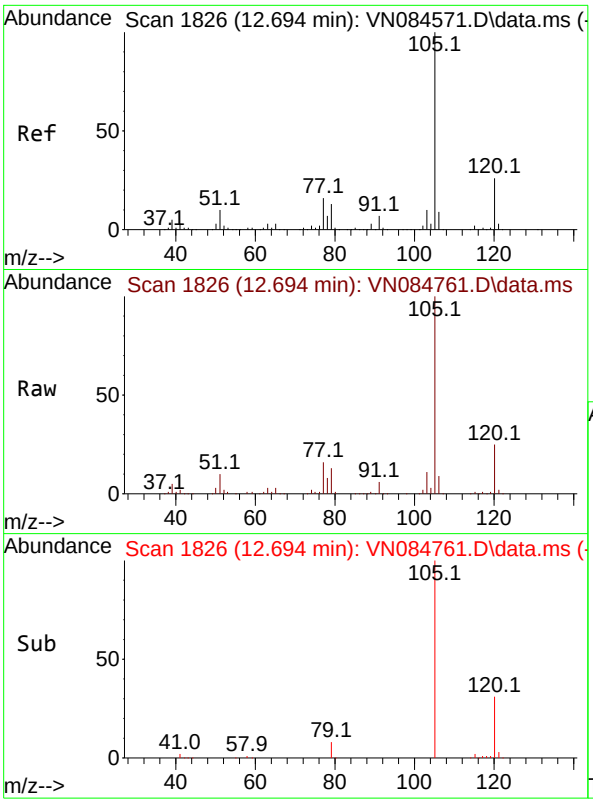


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:152 Resp: 146200

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.9
150	169.2	0.0	349.8



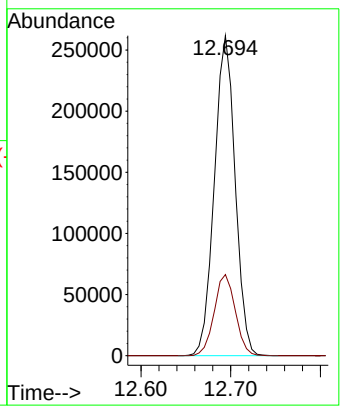


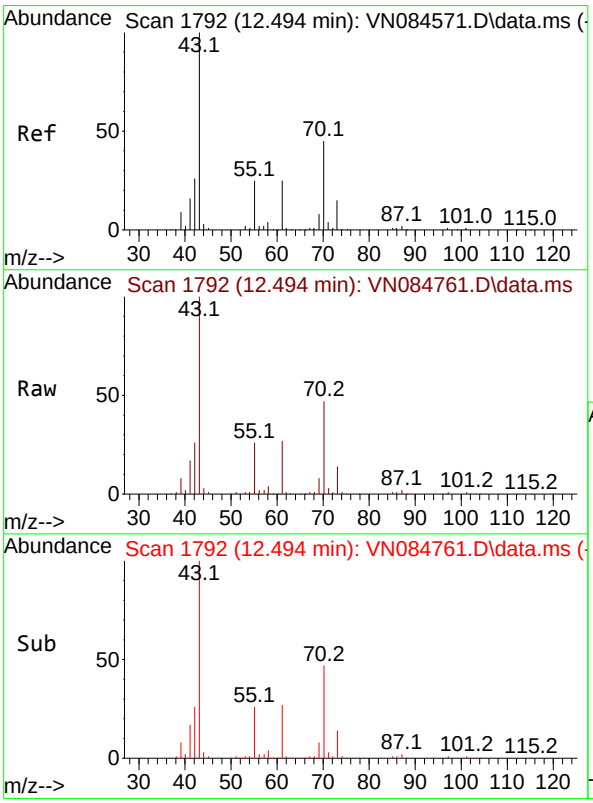
#73
Isopropylbenzene
Concen: 41.079 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 420864

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

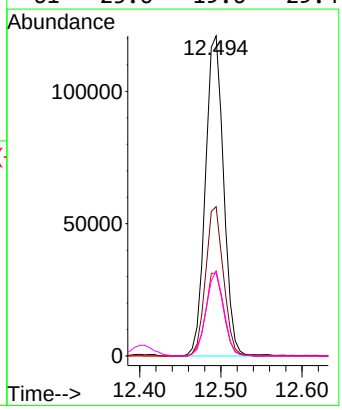


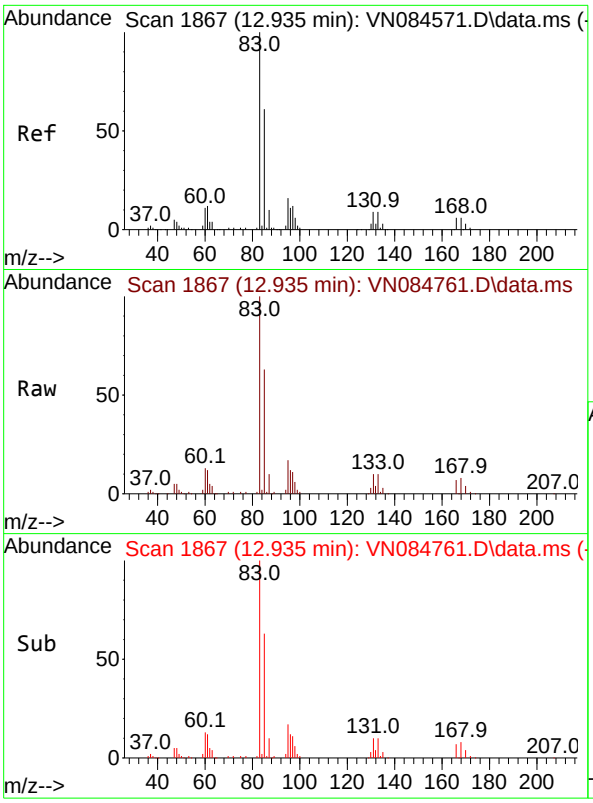


#74
N-amyl acetate
Concen: 43.258 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 43 Resp: 188629

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	25.8	19.6	29.4
61	25.6	19.6	29.4



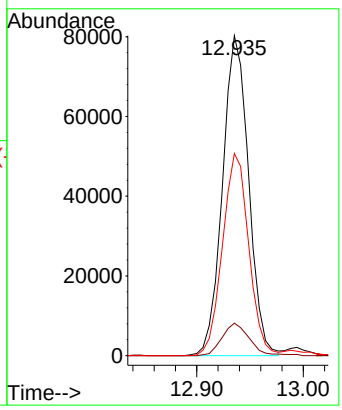


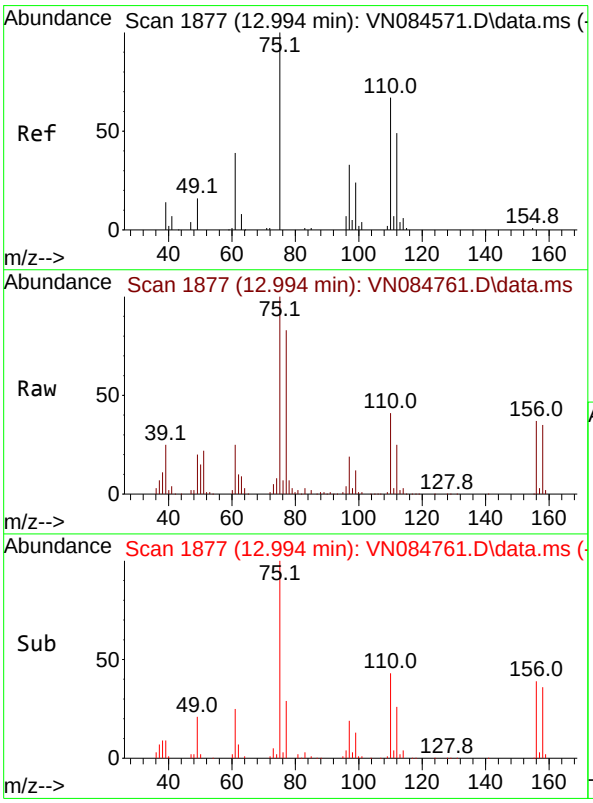
#75
1,1,2,2-Tetrachloroethane
Concen: 39.892 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 136422

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	63.6	31.9	95.7

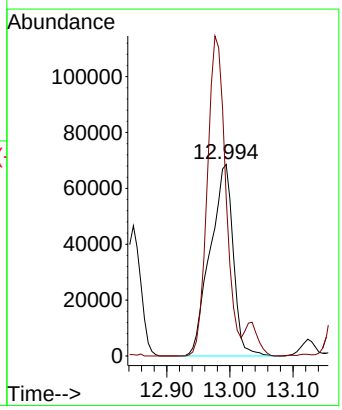


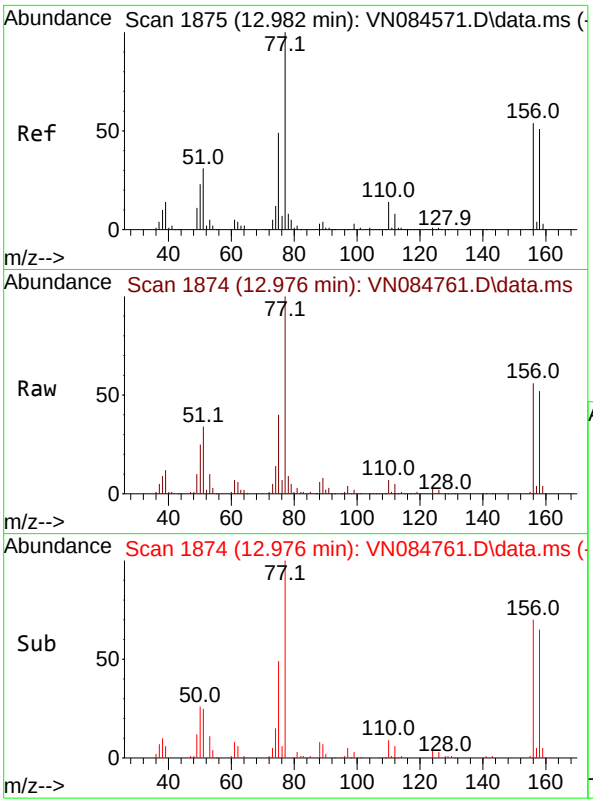


#76
1,2,3-Trichloropropane
Concen: 59.553 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 174043

Ion	Ratio	Lower	Upper
75	100		
77	133.3	96.9	290.7



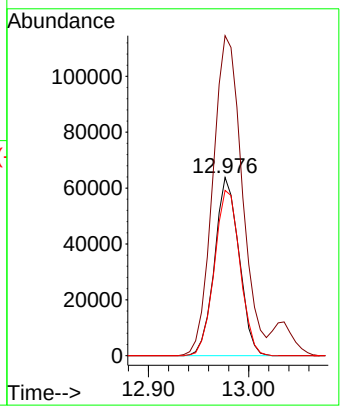


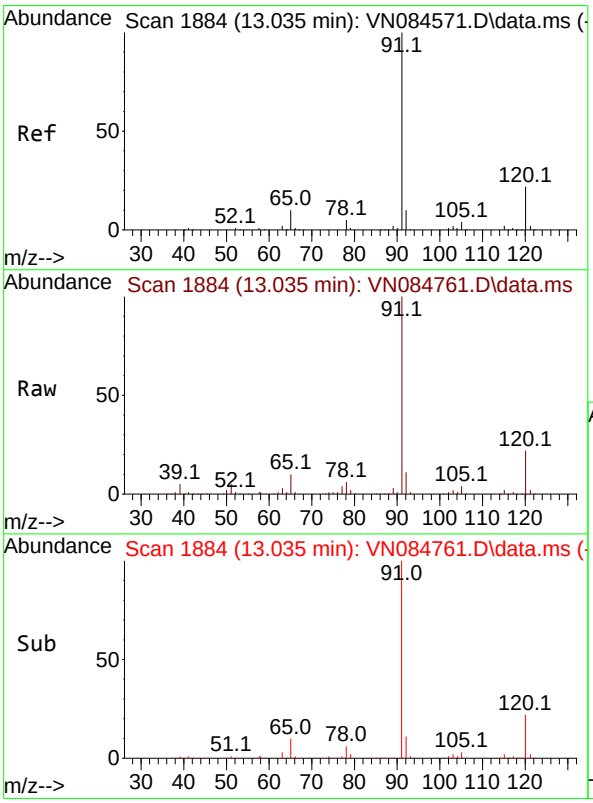
#77
Bromobenzene
Concen: 39.124 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 107758

Ion	Ratio	Lower	Upper
156	100		
77	215.2	115.1	345.3
158	97.1	48.9	146.8

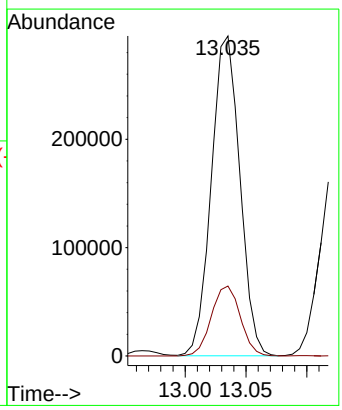


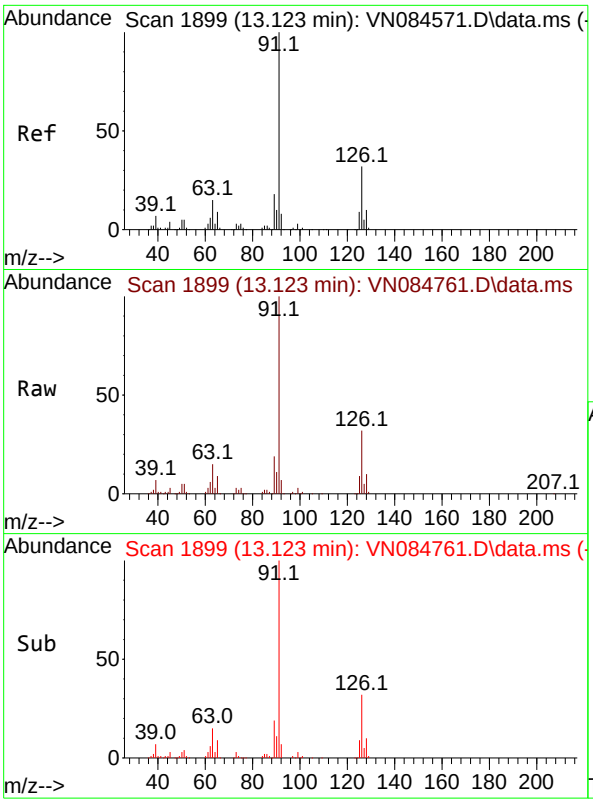


#78
n-propylbenzene
Concen: 40.088 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 481292

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4



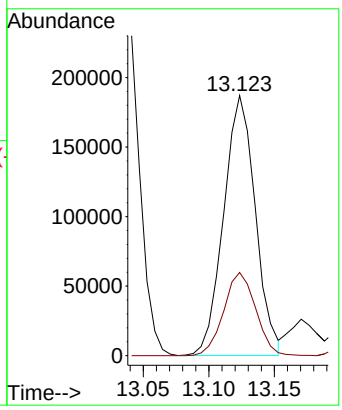


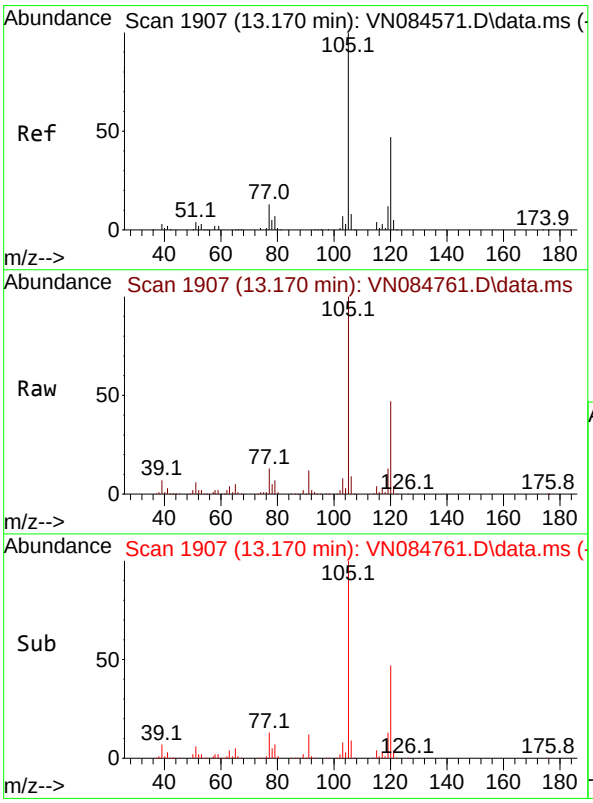
#79
2-Chlorotoluene
Concen: 40.116 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 314696

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

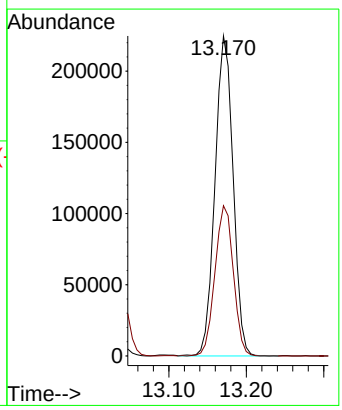


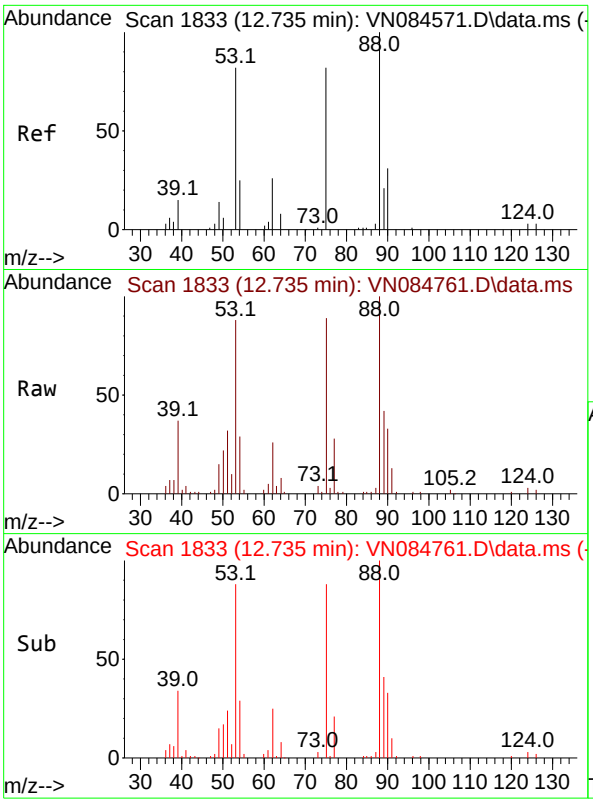


#80
1,3,5-Trimethylbenzene
Concen: 42.903 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 364315

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.7	71.1



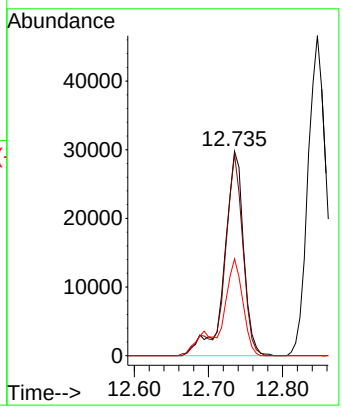


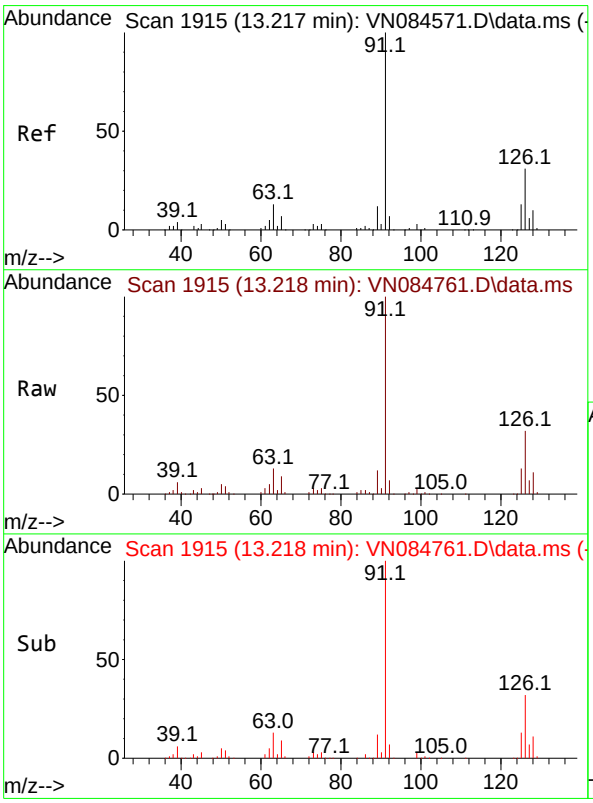
#81
trans-1,4-Dichloro-2-butene
Concen: 43.595 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 53703

Ion	Ratio	Lower	Upper
75	100		
53	85.3	78.0	117.0
89	40.8	35.5	53.3

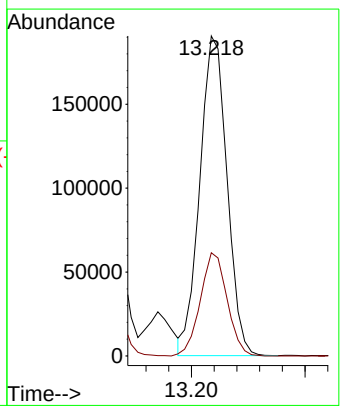


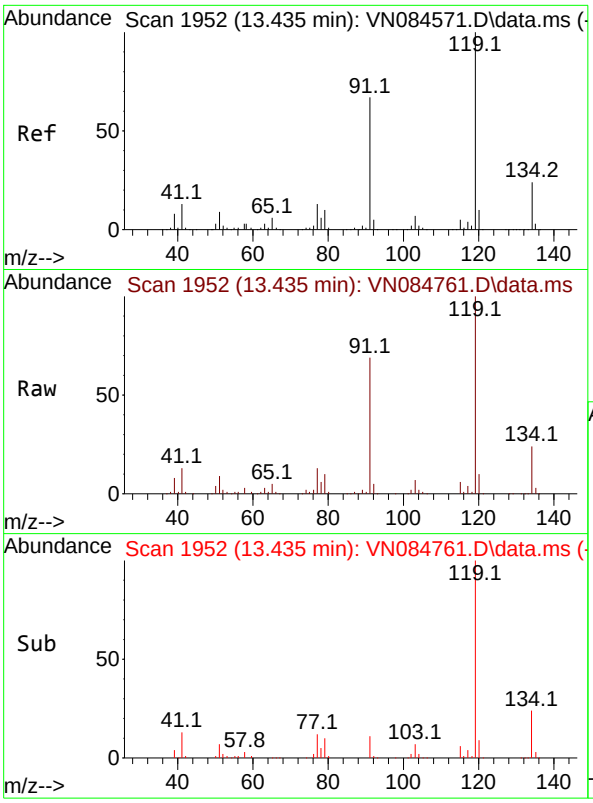


#82
4-Chlorotoluene
Concen: 38.381 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 91 Resp: 316861

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



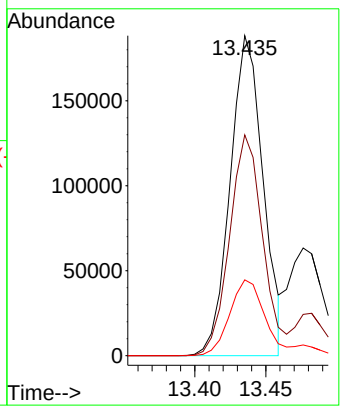


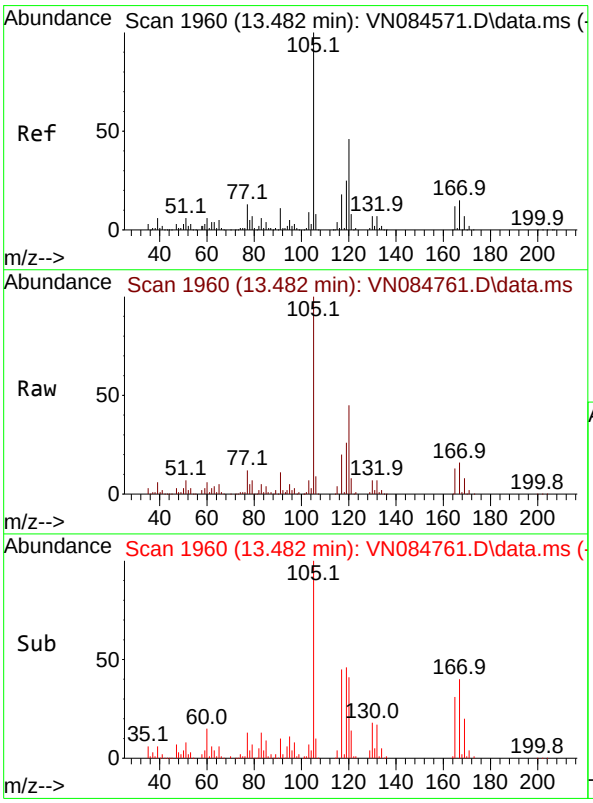
#83
tert-Butylbenzene
Concen: 43.255 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 303984

Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.1	102.3
134	27.5	12.8	38.4

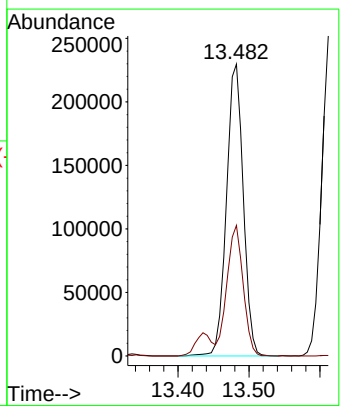


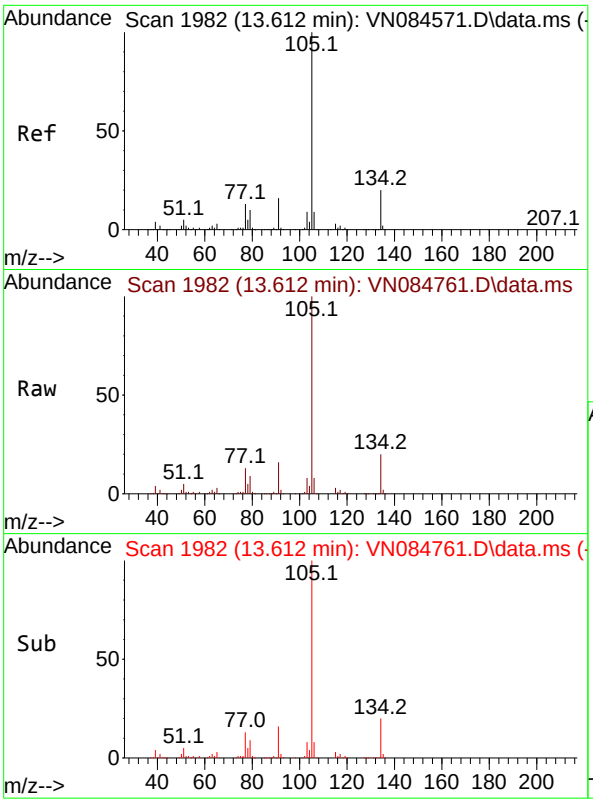


#84
1,2,4-Trimethylbenzene
Concen: 43.009 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:105 Resp: 376938

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8



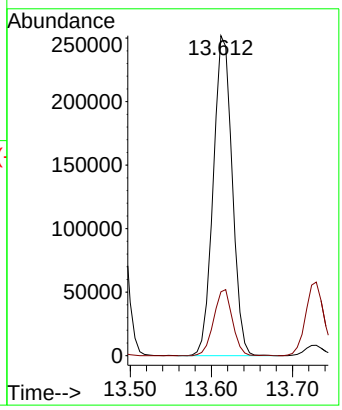


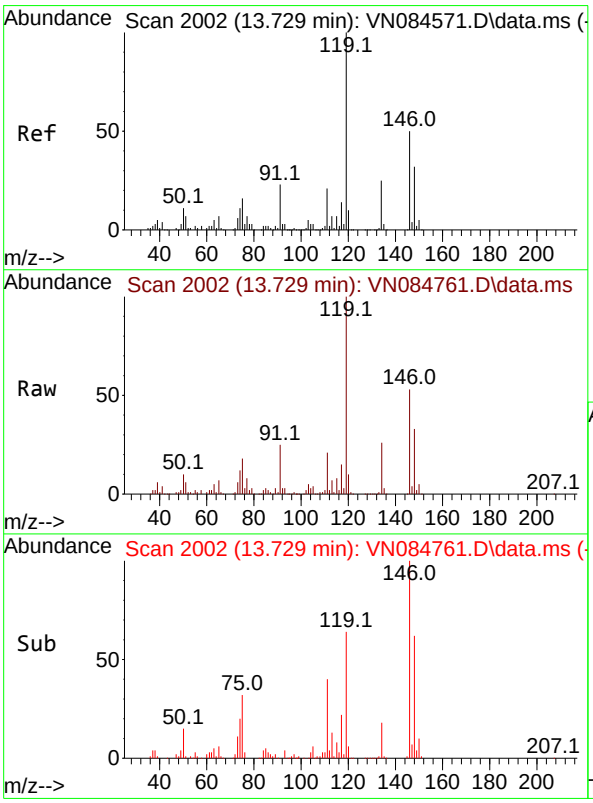
#85
sec-Butylbenzene
Concen: 41.154 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 408539

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

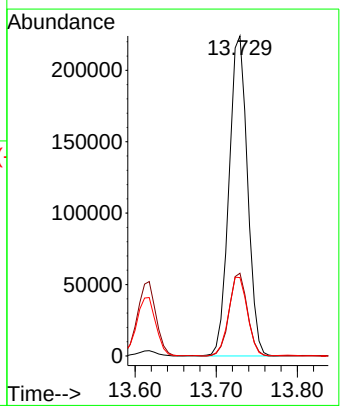


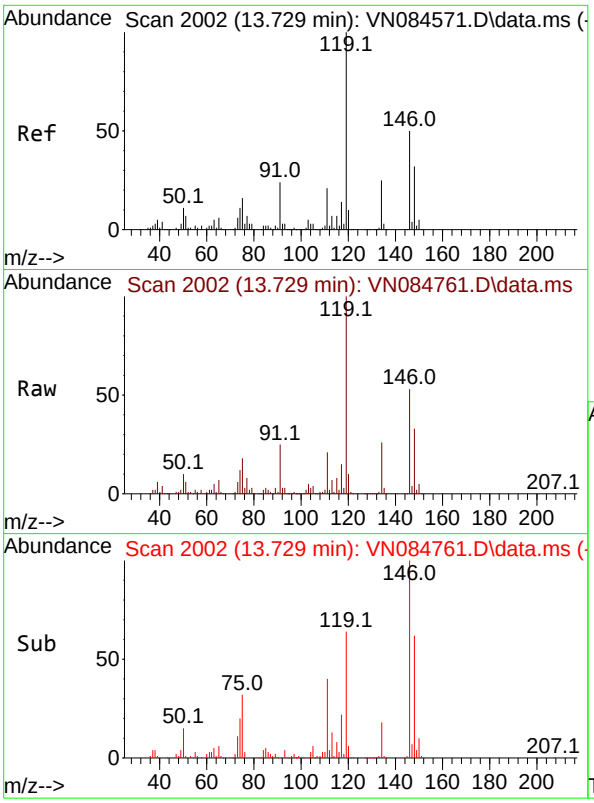


#86
p-Isopropyltoluene
Concen: 43.523 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:119 Resp: 354338

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.1	12.4	37.2



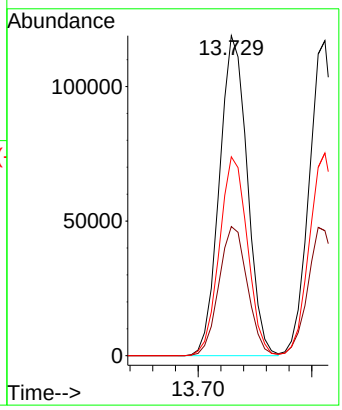


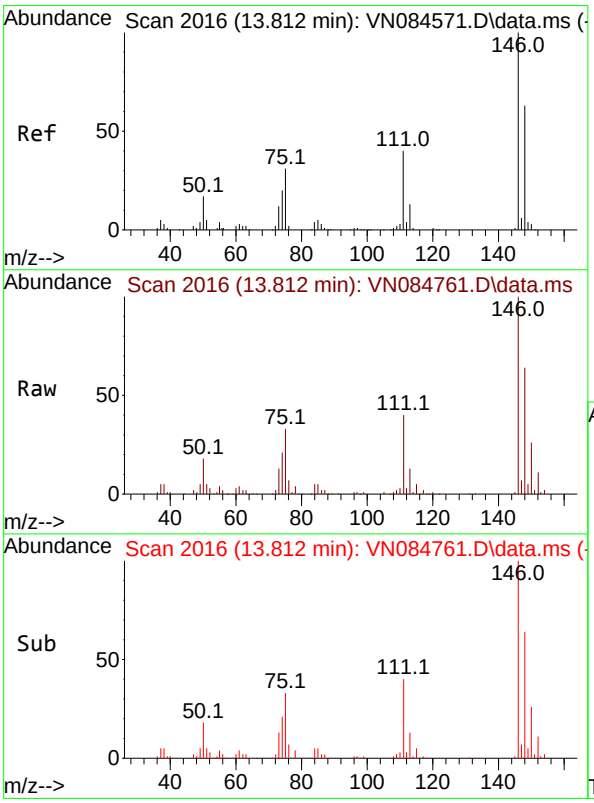
#87
1,3-Dichlorobenzene
Concen: 37.655 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 202400

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.8	65.3
148	62.6	31.9	95.7

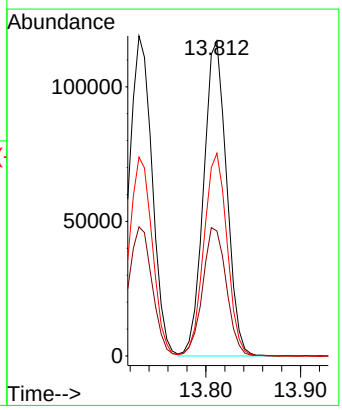


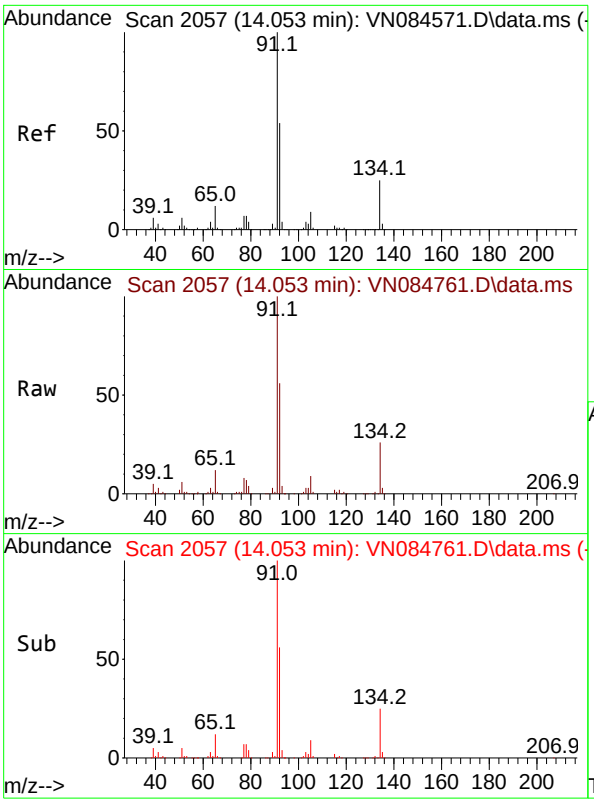


#88
1,4-Dichlorobenzene
Concen: 39.773 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:146 Resp: 197494

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	64.9	31.9	95.9



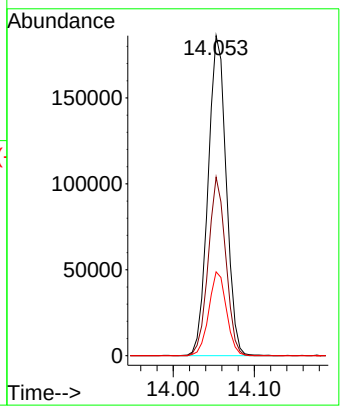


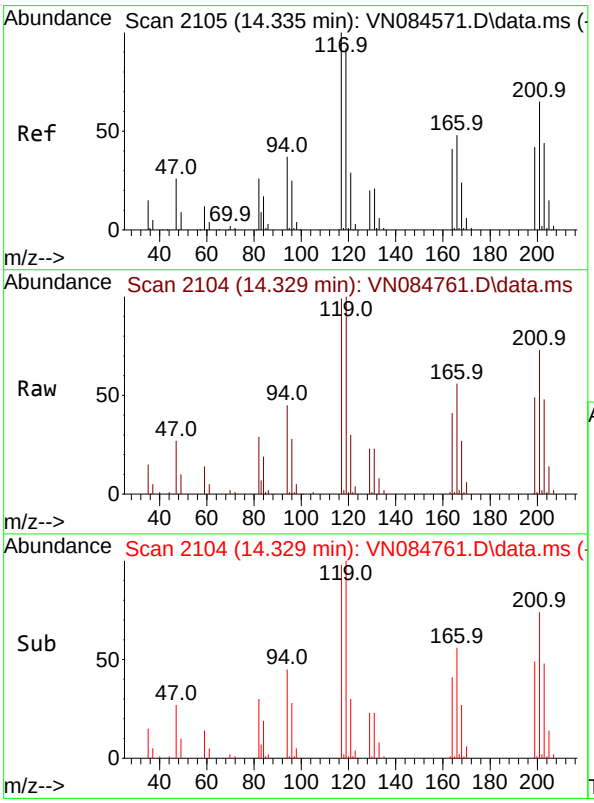
#89
n-Butylbenzene
Concen: 37.890 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 288557

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	25.4	12.3	36.9

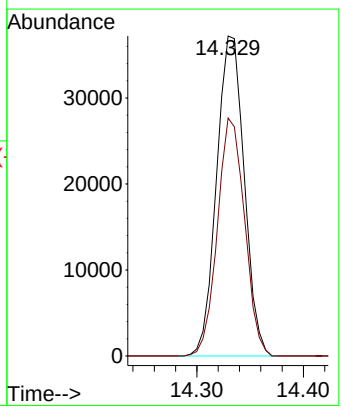


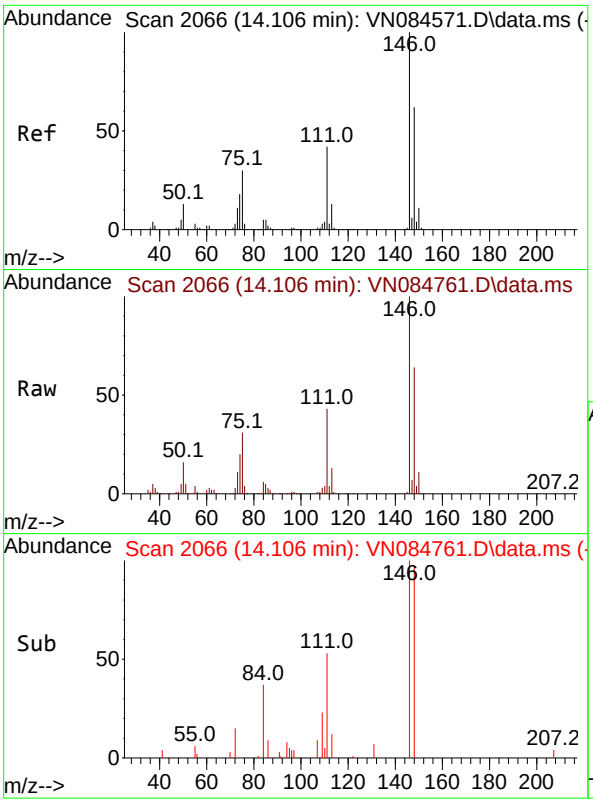


#90
Hexachloroethane
Concen: 36.906 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:117 Resp: 67008

Ion	Ratio	Lower	Upper
117	100		
201	73.1	34.4	103.2



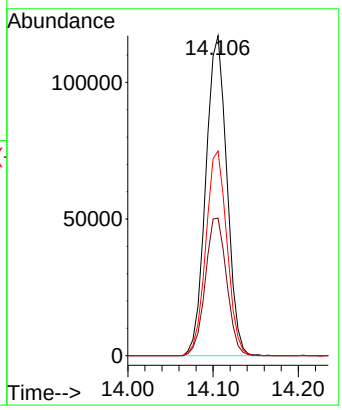


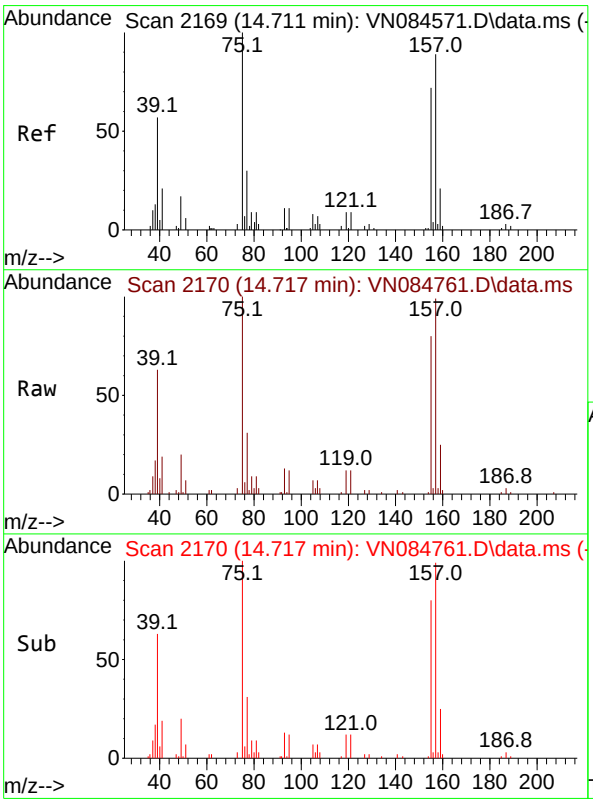
#91
1,2-Dichlorobenzene
Concen: 38.875 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 200797

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.1	32.1	96.3

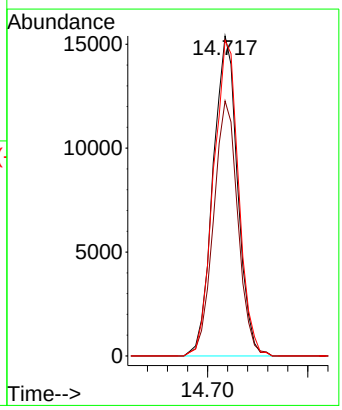


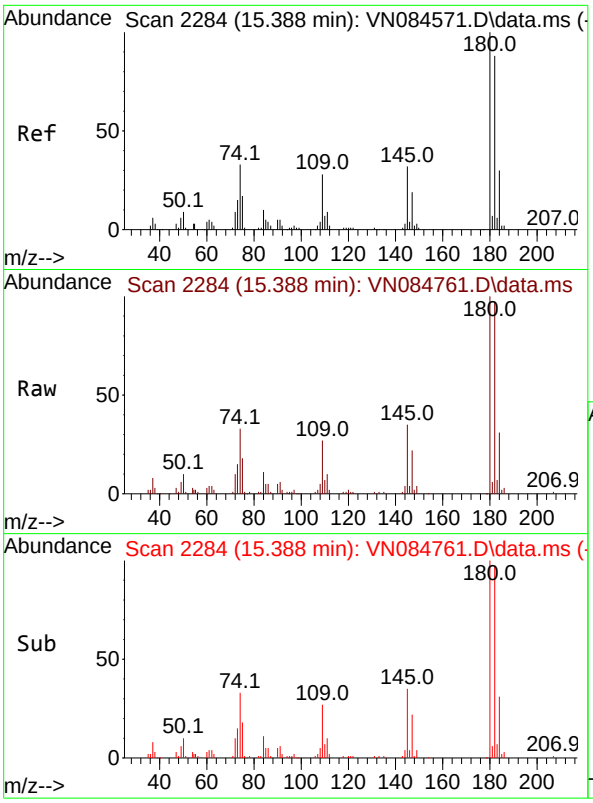


#92
1,2-Dibromo-3-Chloropropane
Concen: 37.744 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion: 75 Resp: 26149

Ion	Ratio	Lower	Upper
75	100		
155	79.0	38.1	114.5
157	100.6	49.6	149.0



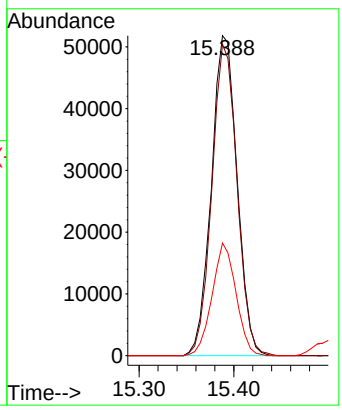


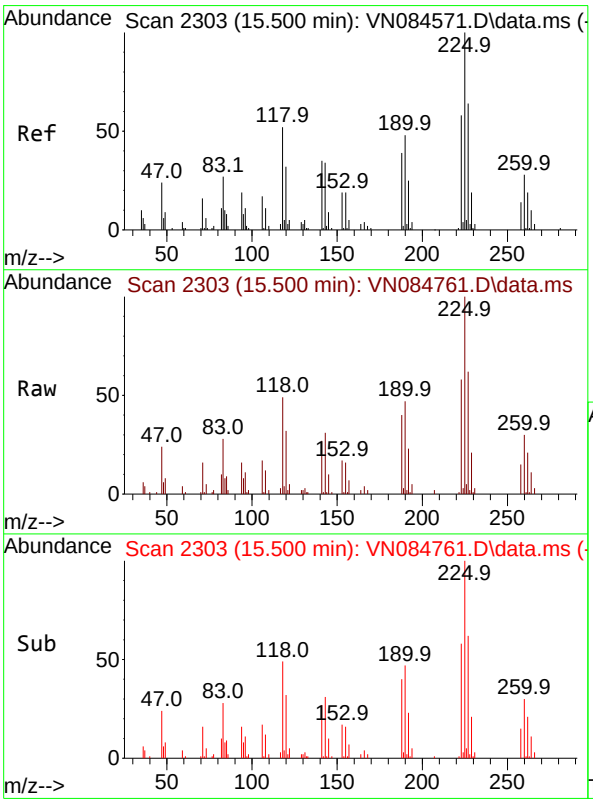
#93
1,2,4-Trichlorobenzene
Concen: 34.628 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 97897

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	32.8	16.4	49.4

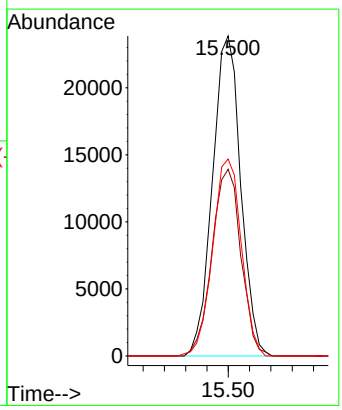


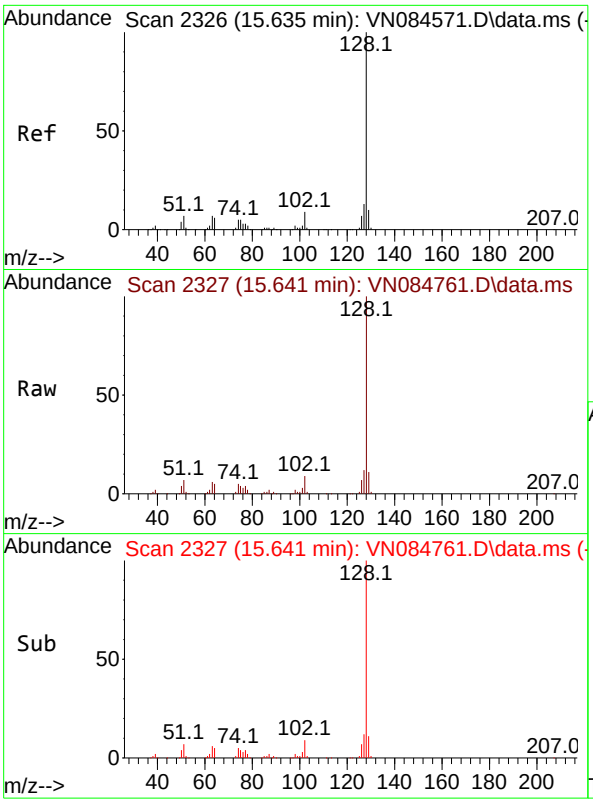


#94
Hexachlorobutadiene
Concen: 35.343 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:225 Resp: 43879

Ion	Ratio	Lower	Upper
225	100		
223	59.9	32.4	97.2
227	62.5	32.4	97.0



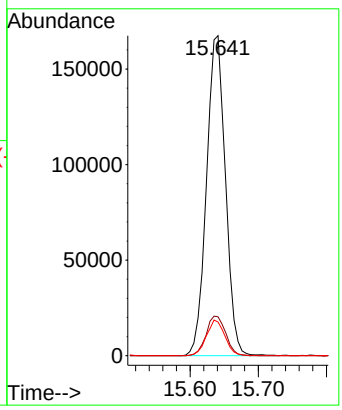


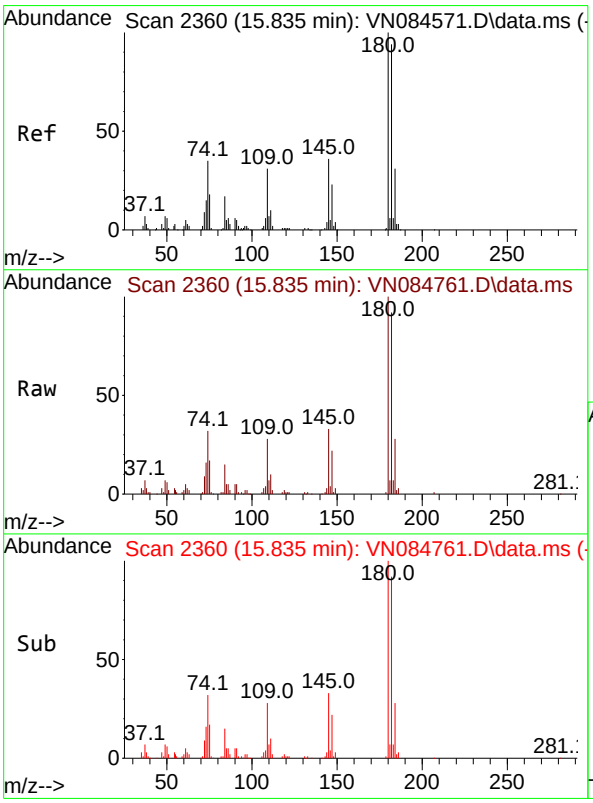
#95
Naphthalene
Concen: 38.303 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 324128

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.7	13.1

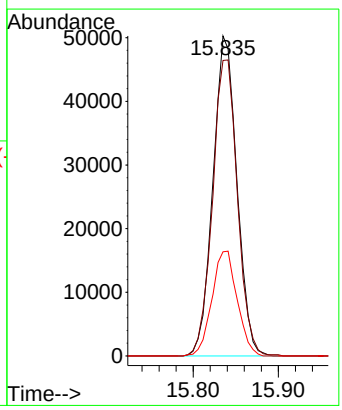




#96
1,2,3-Trichlorobenzene
Concen: 35.743 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084761.D
Acq: 08 Nov 2024 19:44

Tgt Ion:180 Resp: 98094

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.2	144.6
145	34.5	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 04:41:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113027	47.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.040%			
35) Dibromofluoromethane	8.165	113	92661	50.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	10.565	98	328558	48.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.380%			
62) 4-Bromofluorobenzene	12.847	95	131064	51.967	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	84174	43.991	ug/l	96
3) Chloromethane	2.359	50	91149	40.098	ug/l	98
4) Vinyl Chloride	2.512	62	90263	43.860	ug/l	98
5) Bromomethane	2.901	94	51203	46.958	ug/l	99
6) Chloroethane	3.077	64	60880	47.726	ug/l	96
7) Trichlorofluoromethane	3.471	101	163519	48.234	ug/l	97
8) Diethyl Ether	3.953	74	58712	49.095	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	91907	47.978	ug/l	97
10) Methyl Iodide	4.583	142	127633	49.853	ug/l	97
11) Tert butyl alcohol	5.530	59	86050	271.171	ug/l	98
12) 1,1-Dichloroethene	4.330	96	86792	45.789	ug/l	95
13) Acrolein	4.171	56	66268	209.424	ug/l	100
14) Allyl chloride	5.018	41	143357	46.636	ug/l	92
15) Acrylonitrile	5.712	53	247053	268.931	ug/l	98
16) Acetone	4.424	43	211776	305.595	ug/l	95
17) Carbon Disulfide	4.700	76	229303	39.283	ug/l	99
18) Methyl Acetate	5.018	43	124245	48.890	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	308982	53.183	ug/l	96
20) Methylene Chloride	5.271	84	102299	48.382	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	91997	47.267	ug/l	97
22) Diisopropyl ether	6.665	45	301392	49.344	ug/l	97
23) Vinyl Acetate	6.600	43	1086820	258.019	ug/l	97
24) 1,1-Dichloroethane	6.559	63	176476	48.124	ug/l	99
25) 2-Butanone	7.483	43	312670	278.781	ug/l	99
26) 2,2-Dichloropropane	7.483	77	156025	48.884	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	111780	49.185	ug/l	94
28) Bromochloromethane	7.812	49	79339	54.304	ug/l	87
29) Tetrahydrofuran	7.836	42	199372	267.951	ug/l	93
30) Chloroform	7.965	83	187932	50.351	ug/l	99
31) Cyclohexane	8.253	56	141347	42.587	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	170235	50.110	ug/l	98
36) 1,1-Dichloropropene	8.371	75	119899	47.191	ug/l	98
37) Ethyl Acetate	7.553	43	126440	54.851	ug/l	98
38) Carbon Tetrachloride	8.359	117	146629	51.633	ug/l	97
39) Methylcyclohexane	9.600	83	131208	50.763	ug/l	98
40) Benzene	8.606	78	400092	49.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 04:41:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	71755	57.885 ug/l	98
42) 1,2-Dichloroethane	8.665	62	136041	51.482 ug/l	99
43) Isopropyl Acetate	8.688	43	213108	50.042 ug/l	97
44) Trichloroethene	9.347	130	91293	48.515 ug/l	96
45) 1,2-Dichloropropane	9.618	63	98068	51.236 ug/l	97
46) Dibromomethane	9.706	93	70386	52.114 ug/l	95
47) Bromodichloromethane	9.882	83	153028	53.751 ug/l #	96
48) Methyl methacrylate	9.677	41	98683	55.006 ug/l	93
49) 1,4-Dioxane	9.694	88	37307	1173.486 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	647585	294.690 ug/l	97
52) Toluene	10.630	92	249401	52.263 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	147017	49.888 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	158062	50.677 ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	96183	53.508 ug/l	97
56) Ethyl methacrylate	10.871	69	157941	60.744 ug/l	93
57) 1,3-Dichloropropane	11.159	76	162845	52.786 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	338599	278.300 ug/l	96
59) 2-Hexanone	11.194	43	478507	299.154 ug/l	96
60) Dibromochloromethane	11.359	129	118310	57.750 ug/l	100
61) 1,2-Dibromoethane	11.465	107	96259	52.293 ug/l	99
64) Tetrachloroethene	11.100	164	80569	50.742 ug/l	97
65) Chlorobenzene	11.888	112	264984	49.619 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	101669	54.732 ug/l	98
67) Ethyl Benzene	11.965	91	465784	52.251 ug/l	99
68) m/p-Xylenes	12.071	106	363586	107.734 ug/l	100
69) o-Xylene	12.400	106	178745	56.617 ug/l	98
70) Styrene	12.412	104	303645	55.134 ug/l	98
71) Bromoform	12.576	173	82078	58.721 ug/l #	99
73) Isopropylbenzene	12.694	105	446708	51.228 ug/l	99
74) N-amyl acetate	12.494	43	188248	50.722 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	142997	49.129 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	186841	75.116 ug/l	57
77) Bromobenzene	12.976	156	113359	48.357 ug/l	93
78) n-propylbenzene	13.035	91	524800	51.358 ug/l	98
79) 2-Chlorotoluene	13.123	91	333703	49.979 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	393675	54.470 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	50917	48.563 ug/l	96
82) 4-Chlorotoluene	13.218	91	335959	47.812 ug/l	99
83) tert-Butylbenzene	13.435	119	335070	56.018 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	401540	53.831 ug/l	98
85) sec-Butylbenzene	13.612	105	446905	52.893 ug/l	100
86) p-Isopropyltoluene	13.729	119	381882	55.110 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	209698	45.837 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	207944	49.560 ug/l	99
89) n-Butylbenzene	14.053	91	312135	48.155 ug/l	99
90) Hexachloroethane	14.329	117	73088	47.297 ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	207866	47.283 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30432	51.610 ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	110955	46.111 ug/l	100
94) Hexachlorobutadiene	15.500	225	49394	46.744 ug/l	96
95) Naphthalene	15.641	128	367171	50.979 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	109885	47.044 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 04:41:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

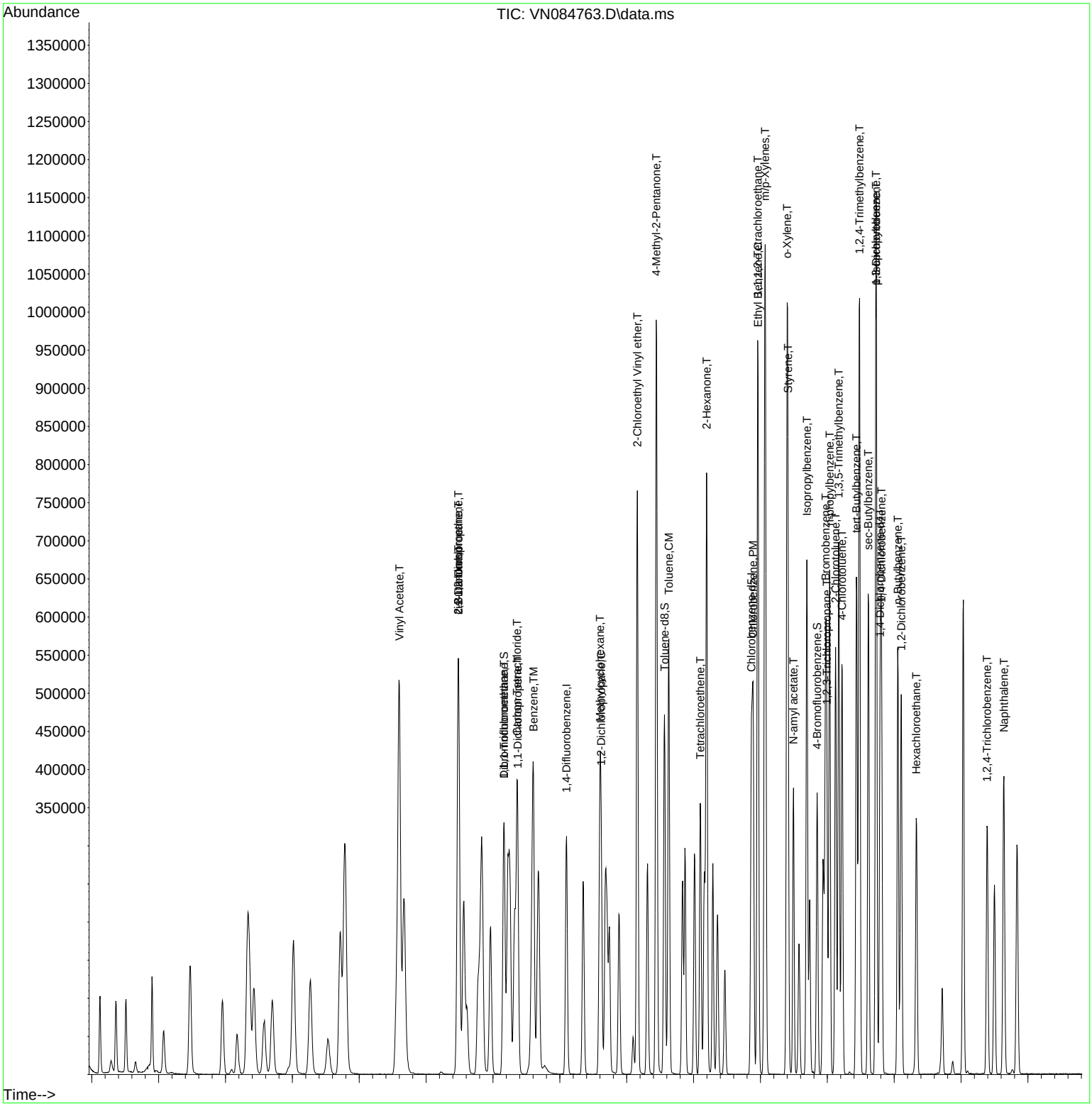
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

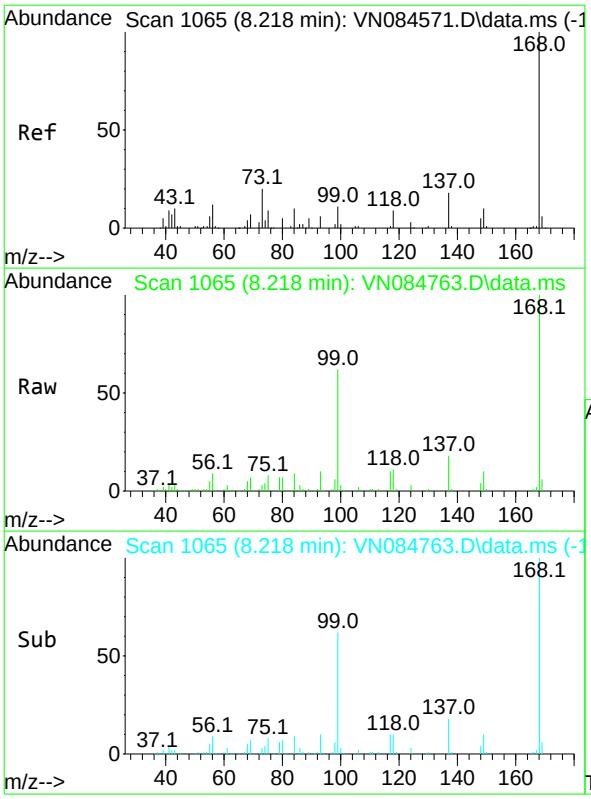
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084763.D
Acq On : 11 Nov 2024 10:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 04:41:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



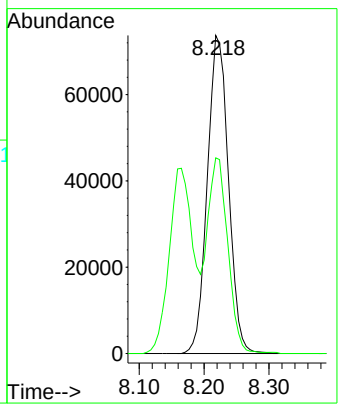


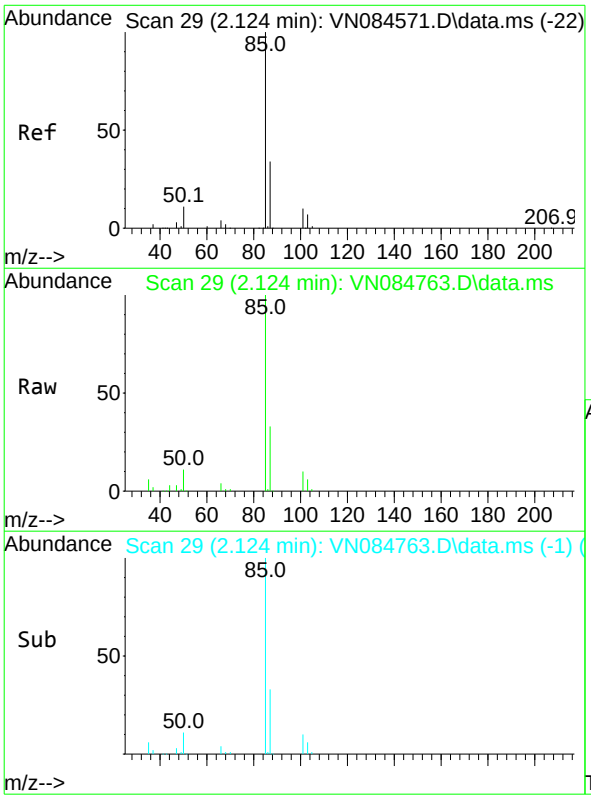
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 166446

Ion	Ratio	Lower	Upper
168	100		
99	61.2	54.2	81.2

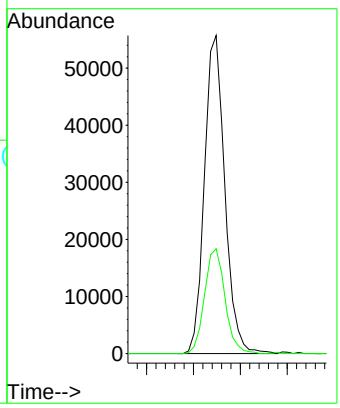


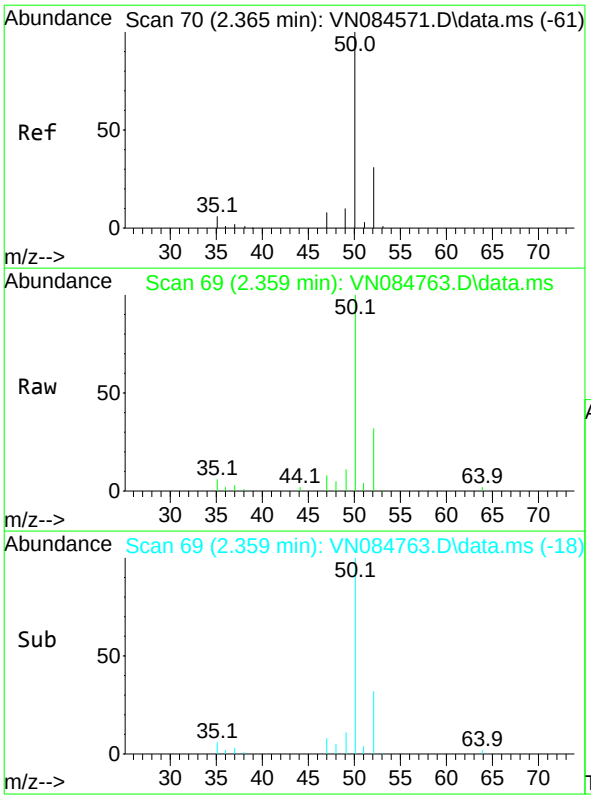


#2
Dichlorodifluoromethane
Concen: 43.991 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 85 Resp: 84174

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9



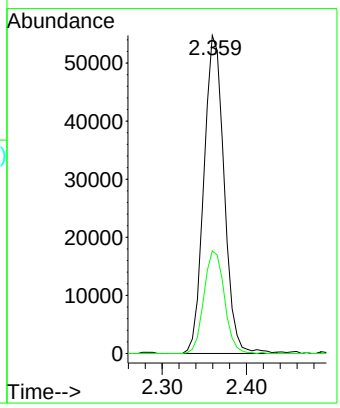


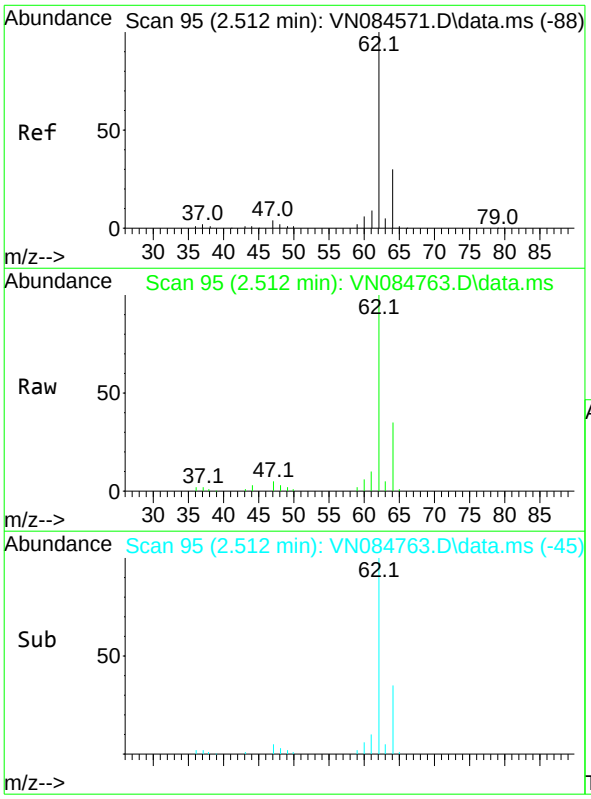
#3
Chloromethane
Concen: 40.098 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 91149

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.8	40.2

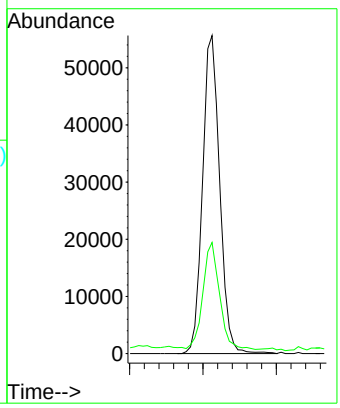


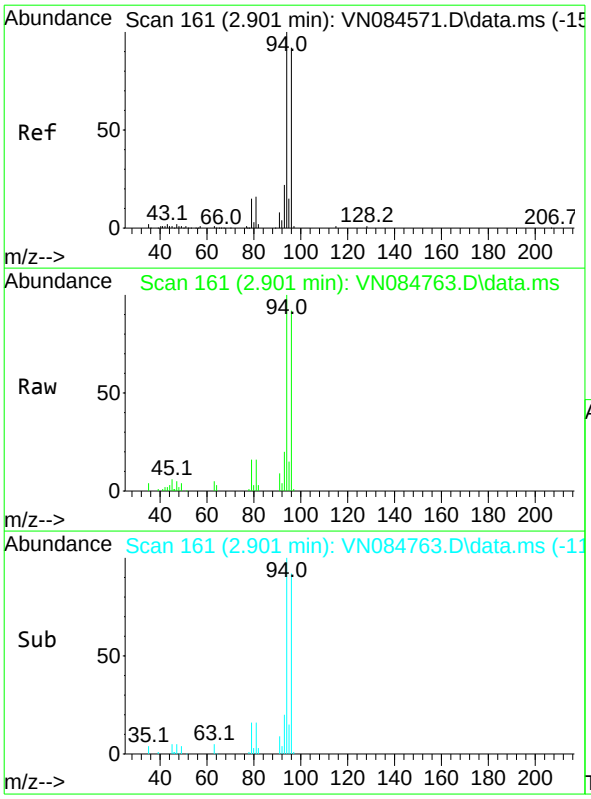


#4
Vinyl Chloride
Concen: 43.860 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 62 Resp: 90263

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.2	39.4



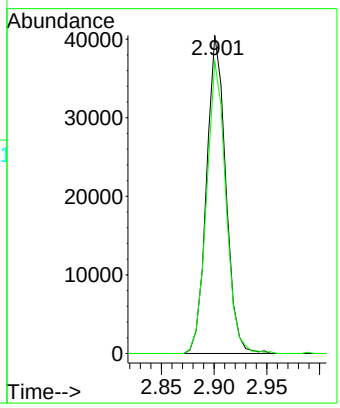


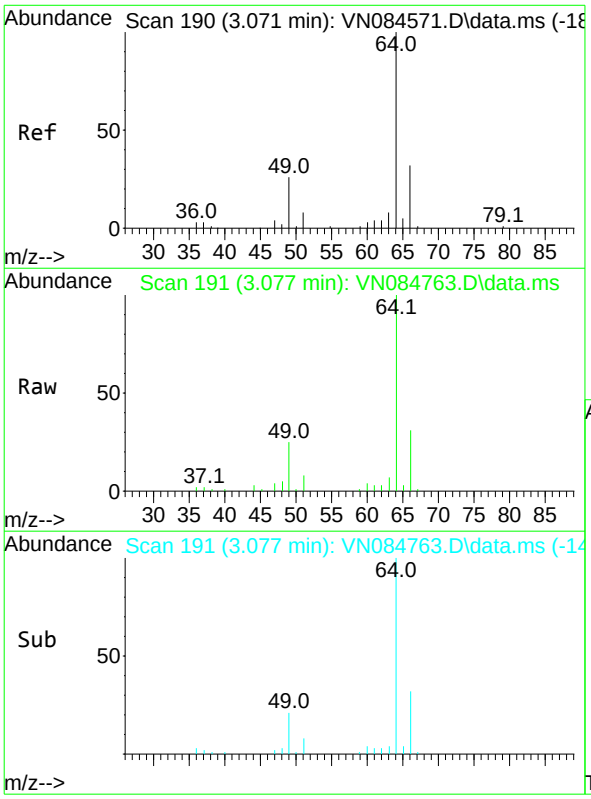
#5
Bromomethane
Concen: 46.958 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 51203

Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.9	109.3

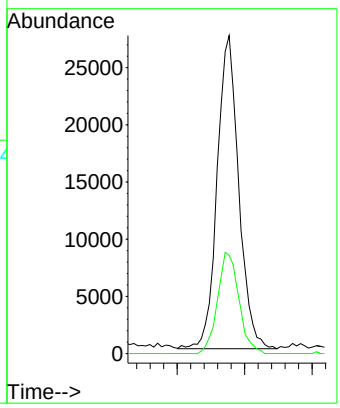


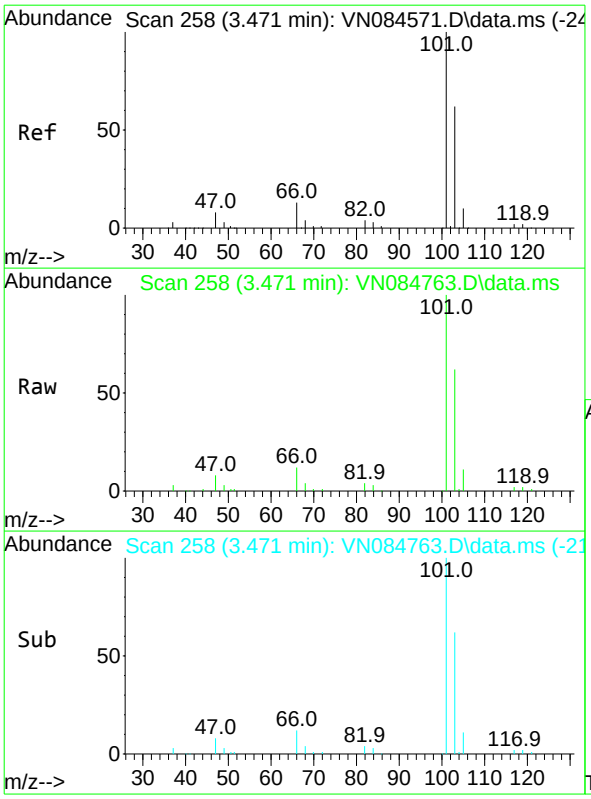


#6
Chloroethane
Concen: 47.726 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 64 Resp: 60880

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.5	35.3



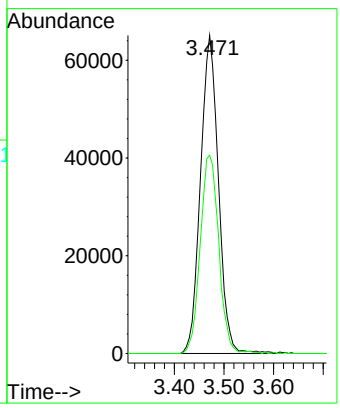


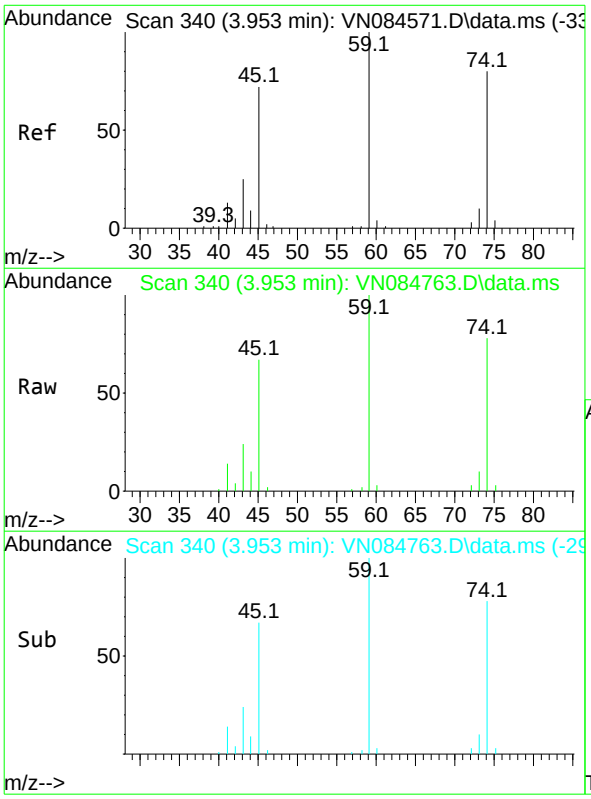
#7
Trichlorofluoromethane
Concen: 48.234 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 163519

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.8	77.6

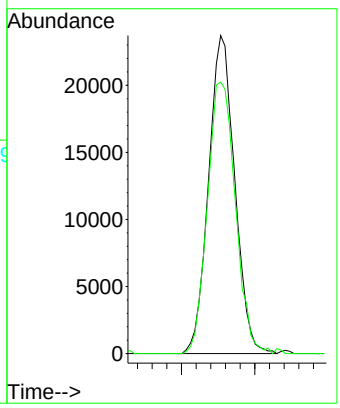


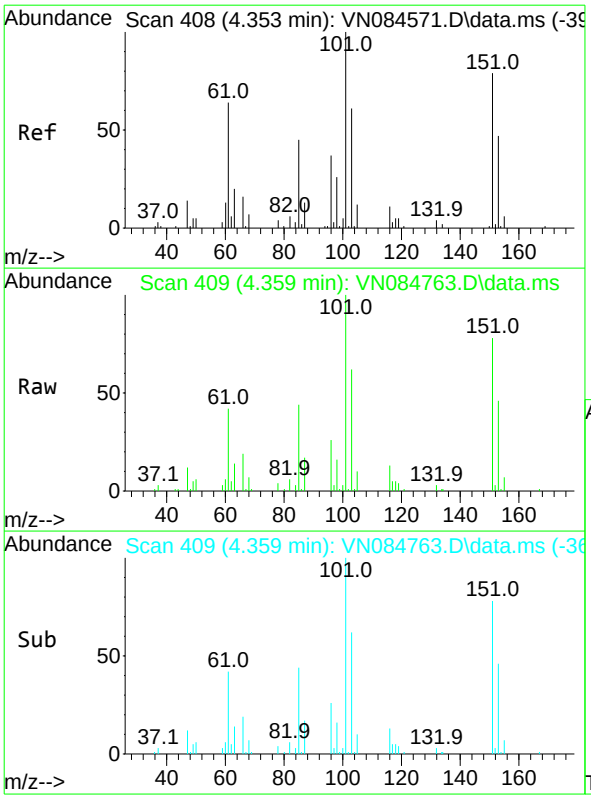


#8
Diethyl Ether
Concen: 49.095 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 74 Resp: 58712

Ion	Ratio	Lower	Upper
74	100		
45	91.2	47.7	143.1



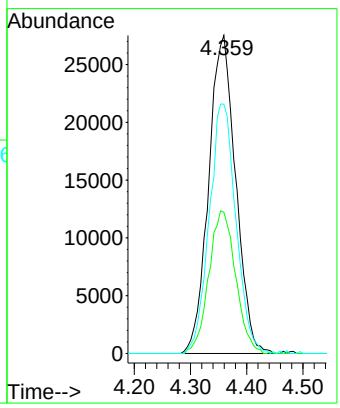


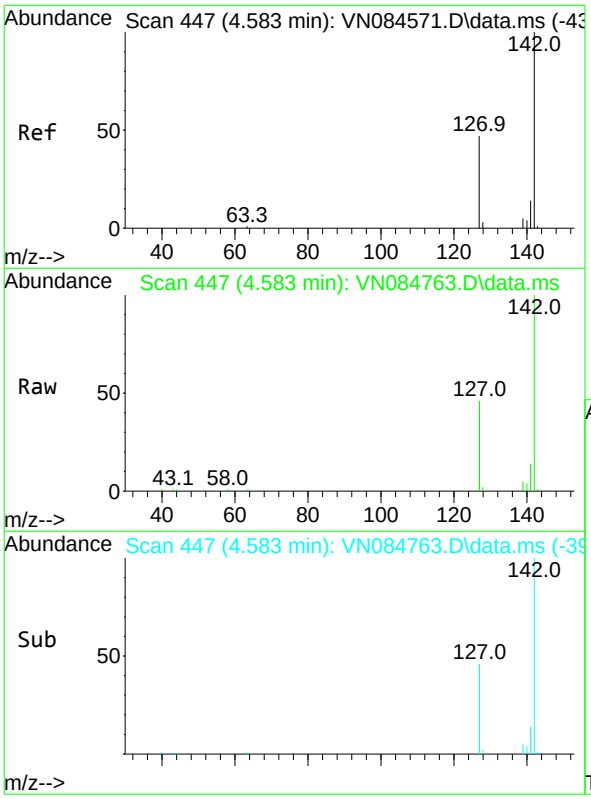
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.978 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 91907

Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.2	54.4
151	77.4	59.3	88.9

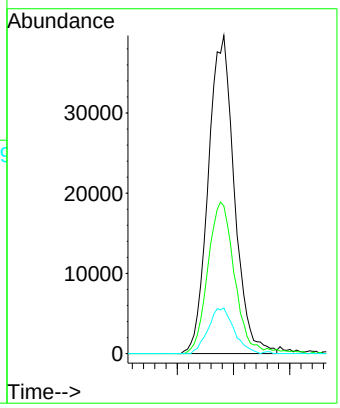


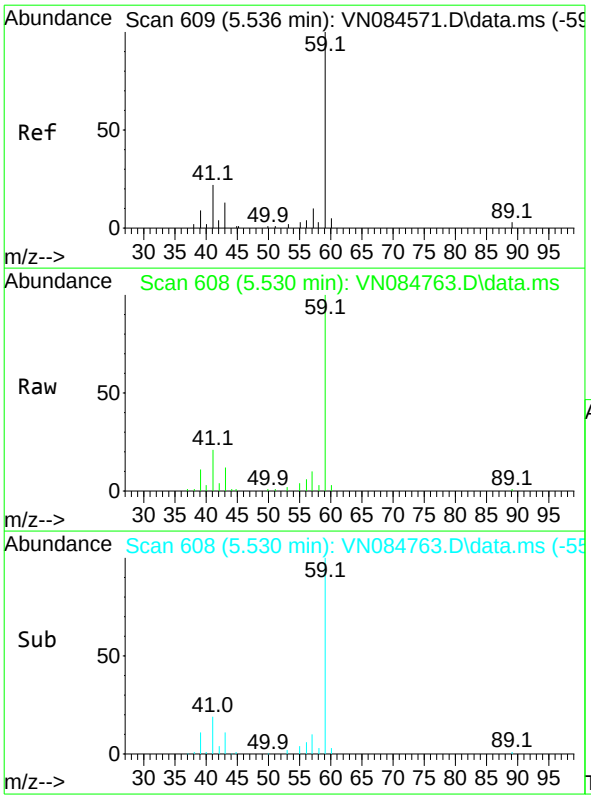


#10
Methyl Iodide
Concen: 49.853 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:142 Resp: 127633

Ion	Ratio	Lower	Upper
142	100		
127	46.4	35.3	52.9
141	14.3	11.0	16.6



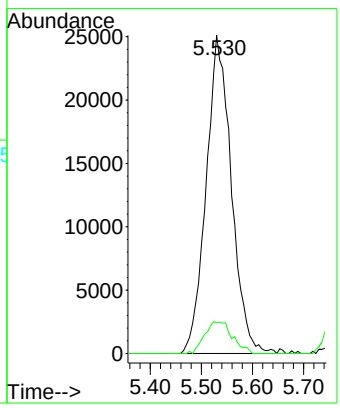


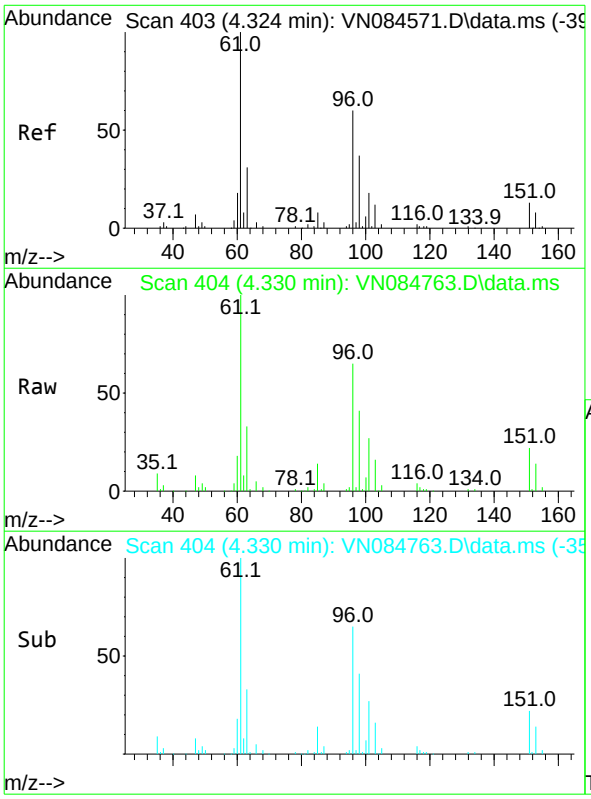
#11
Tert butyl alcohol
Concen: 271.171 ug/l
RT: 5.530 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 86050

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

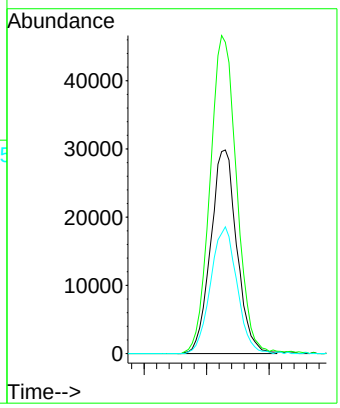


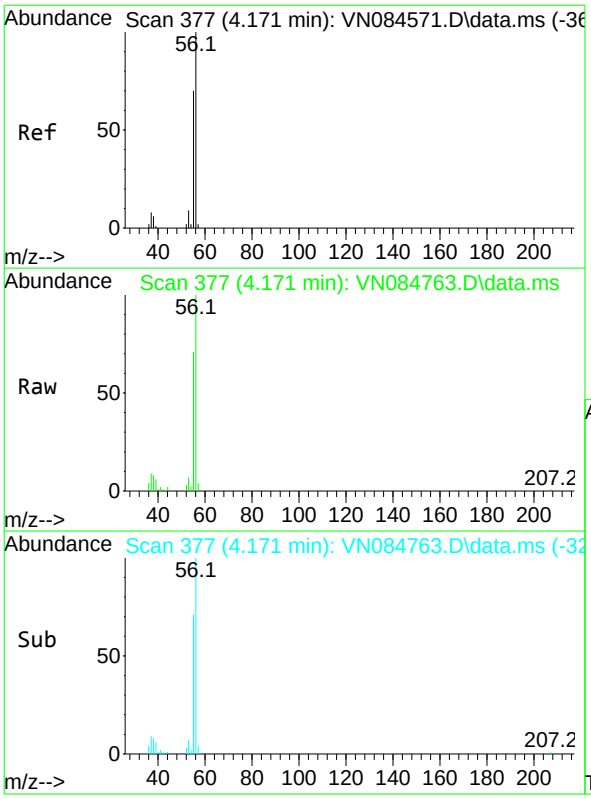


#12
1,1-Dichloroethene
Concen: 45.789 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 96 Resp: 86792

Ion	Ratio	Lower	Upper
96	100		
61	152.9	128.6	192.8
98	62.2	51.7	77.5



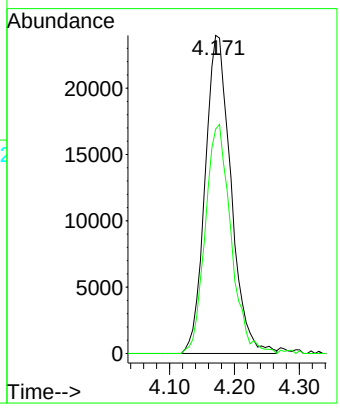


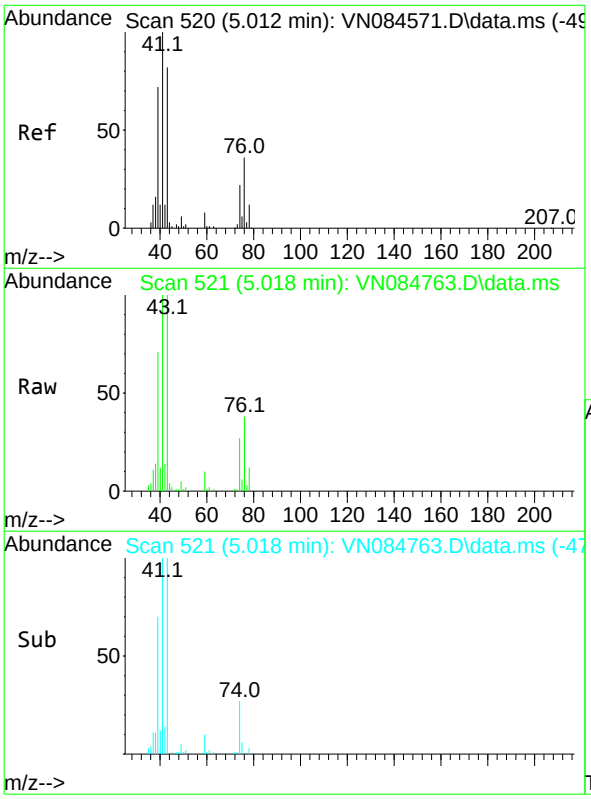
#13
Acrolein
Concen: 209.424 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 66268

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.2	85.8

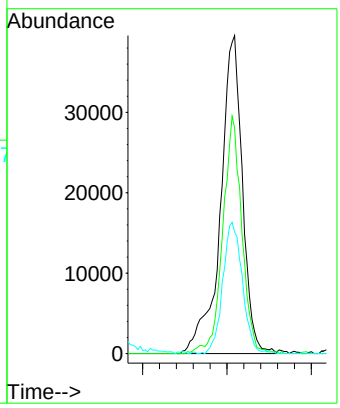


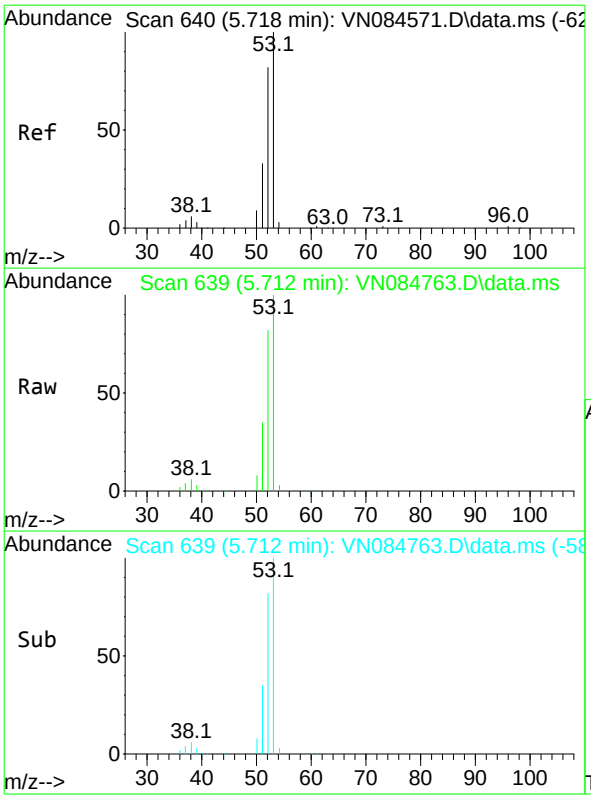


#14
Allyl chloride
Concen: 46.636 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 41 Resp: 143357

Ion	Ratio	Lower	Upper
41	100		
39	64.5	59.0	88.6
76	36.8	29.8	44.6



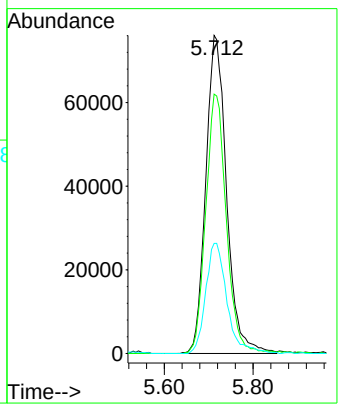


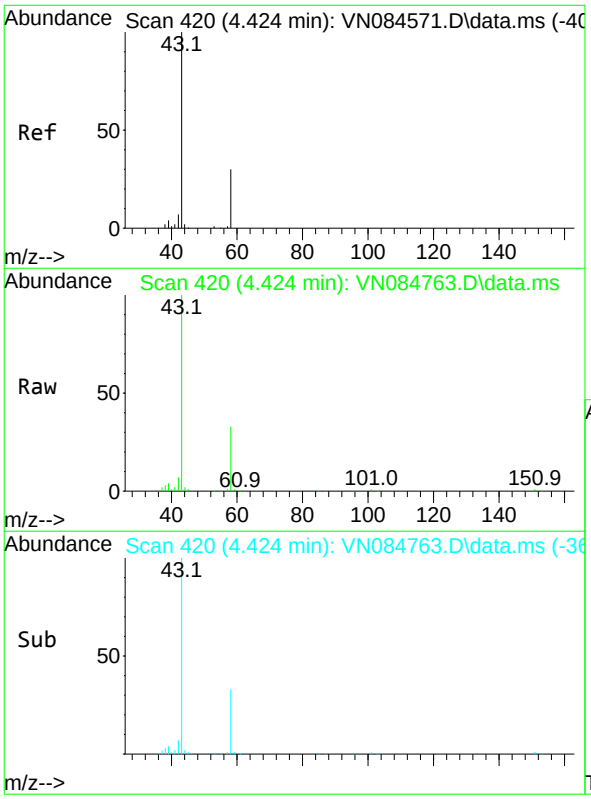
#15
Acrylonitrile
Concen: 268.931 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 247053

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.4
51	35.6	28.8	43.2

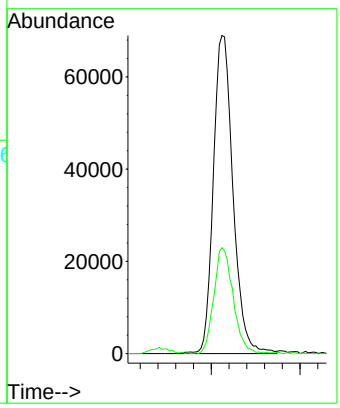


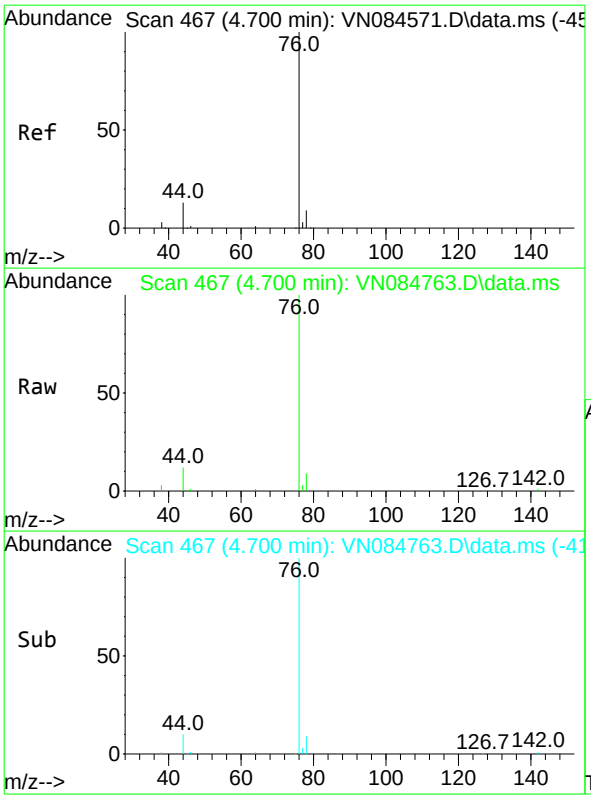


#16
Acetone
Concen: 305.595 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 211776

Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.4	36.6



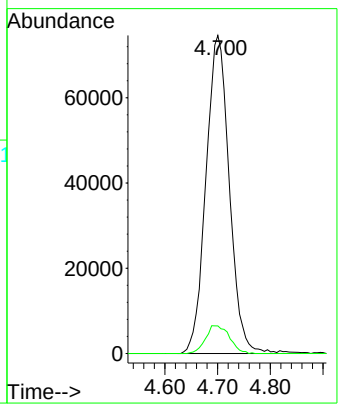


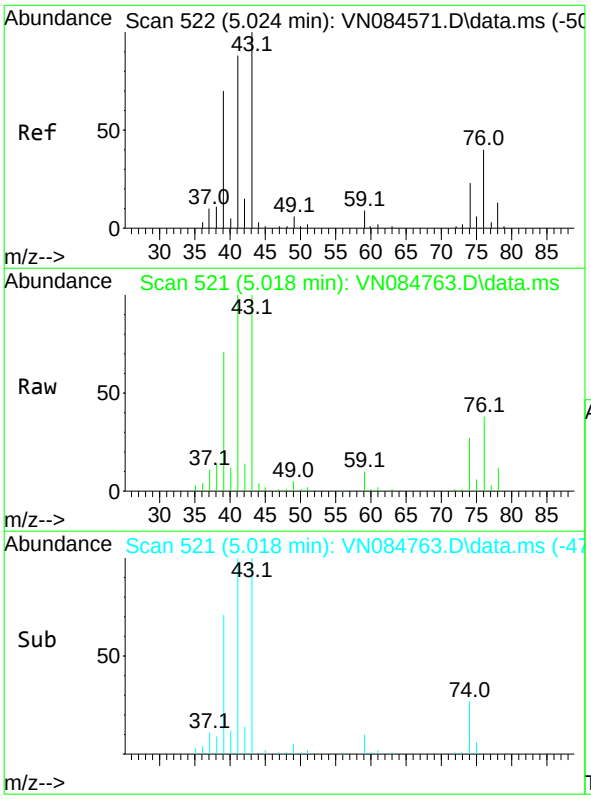
#17
Carbon Disulfide
Concen: 39.283 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 229303

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

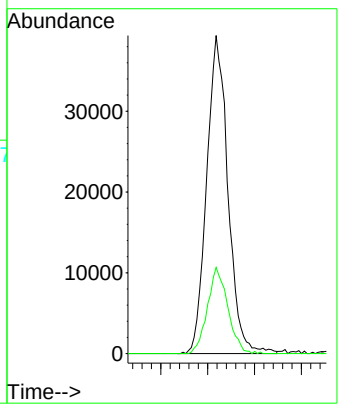


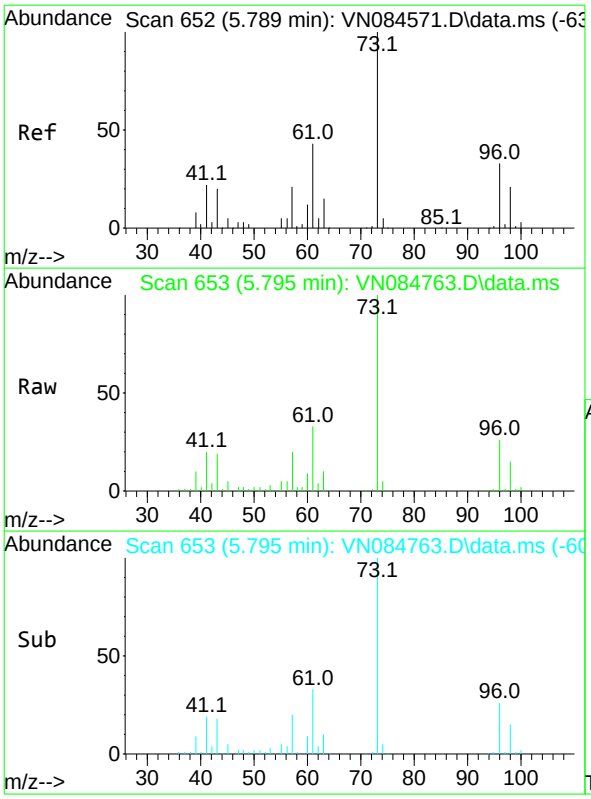


#18
Methyl Acetate
Concen: 48.890 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 124245

Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.2	28.8



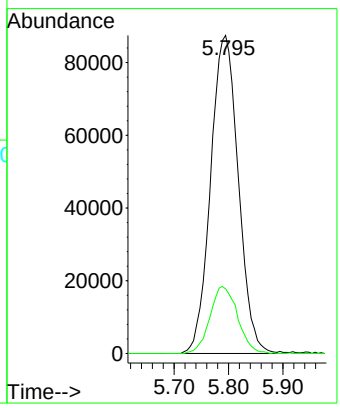


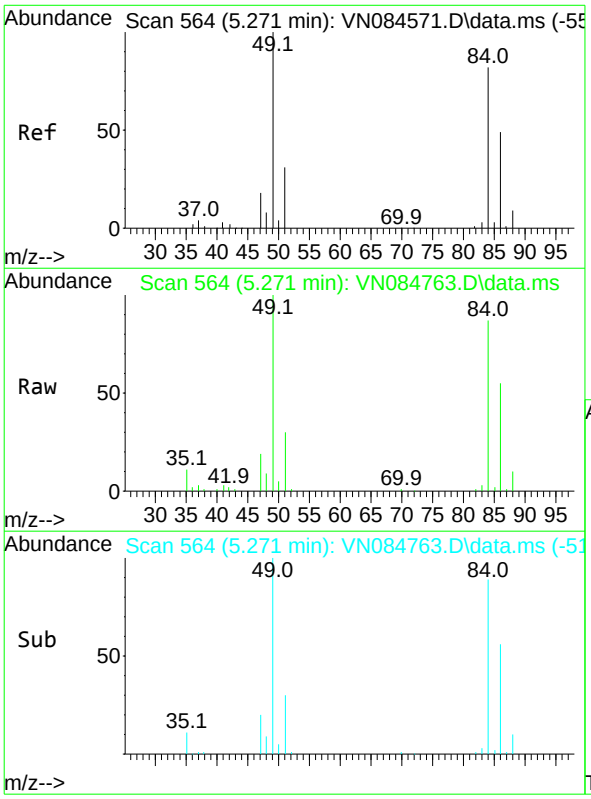
#19
Methyl tert-butyl Ether
Concen: 53.183 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 308982

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

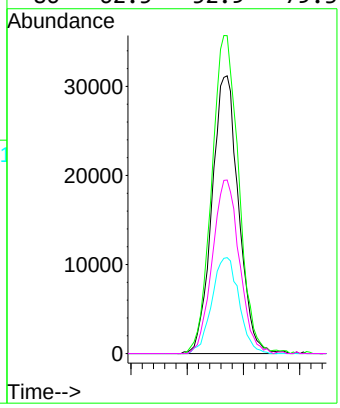


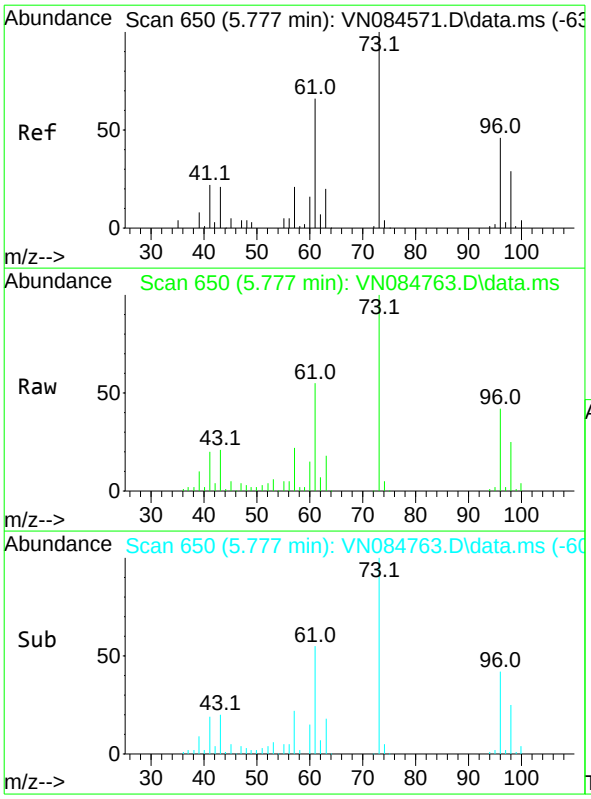


#20
Methylene Chloride
Concen: 48.382 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 84 Resp: 102299

Ion	Ratio	Lower	Upper
84	100		
49	114.4	107.2	160.8
51	34.5	31.8	47.8
86	62.5	52.9	79.3



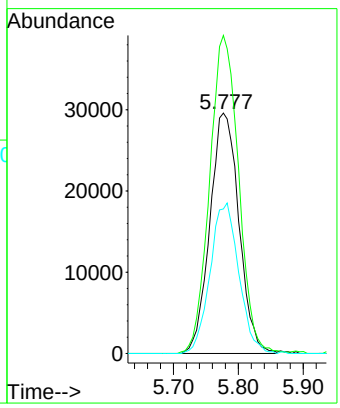


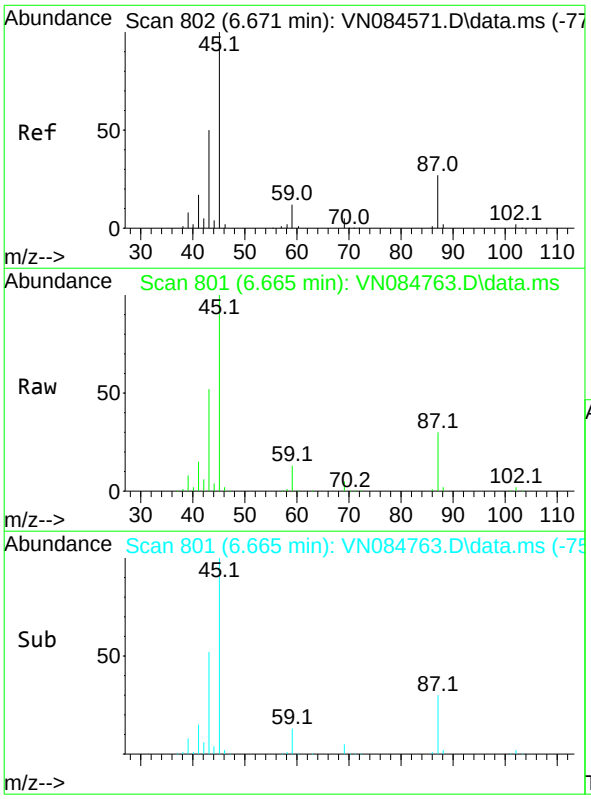
#21
trans-1,2-Dichloroethene
Concen: 47.267 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 91997

Ion	Ratio	Lower	Upper
96	100		
61	132.3	108.4	162.6
98	60.1	49.8	74.8

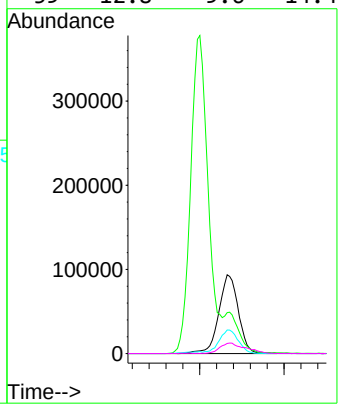


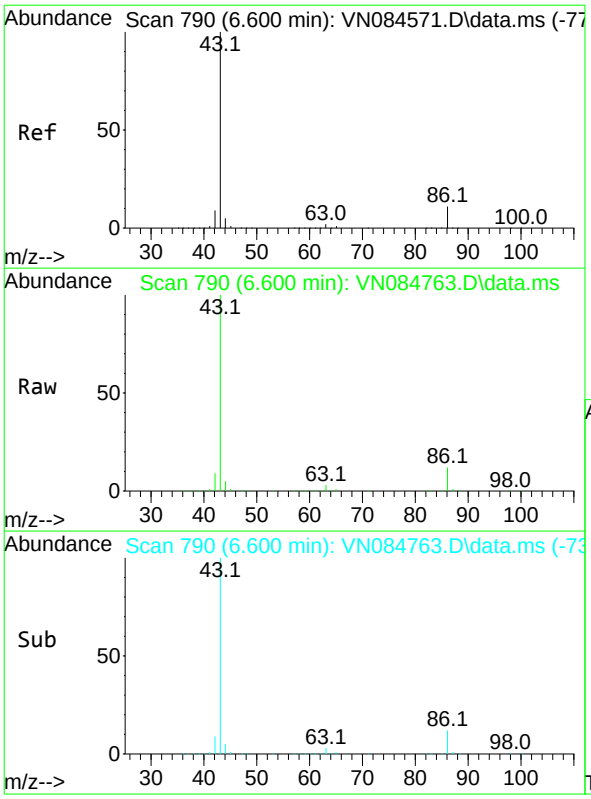


#22
Diisopropyl ether
Concen: 49.344 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 45 Resp: 301392

Ion	Ratio	Lower	Upper
45	100		
43	51.1	42.3	63.5
87	29.9	21.8	32.6
59	12.8	9.6	14.4



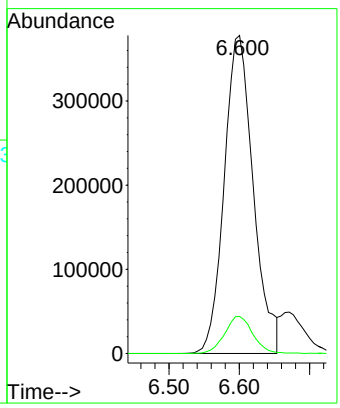


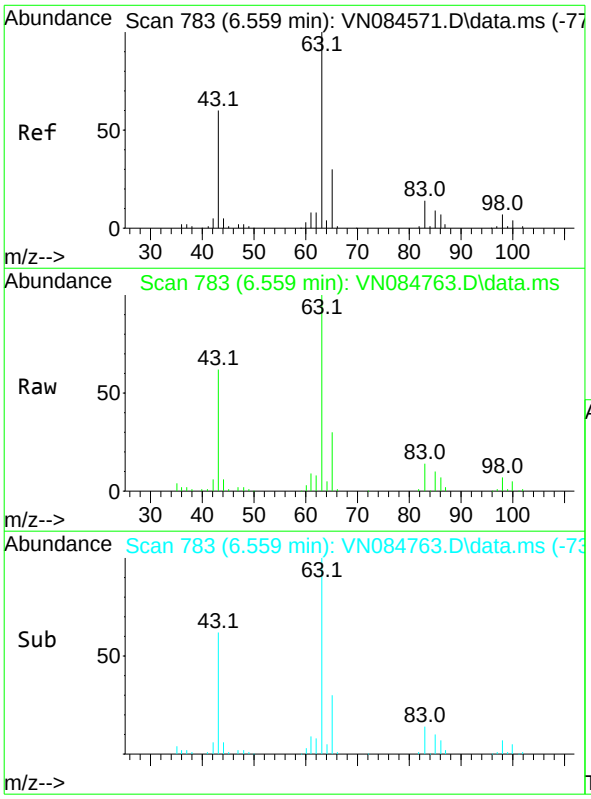
#23
Vinyl Acetate
Concen: 258.019 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1086820

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	12.8

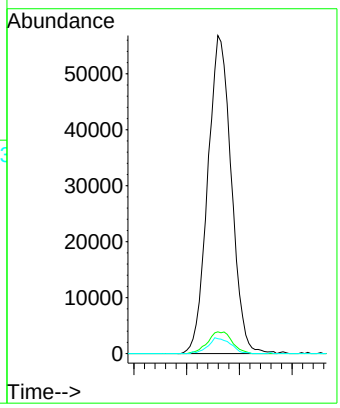


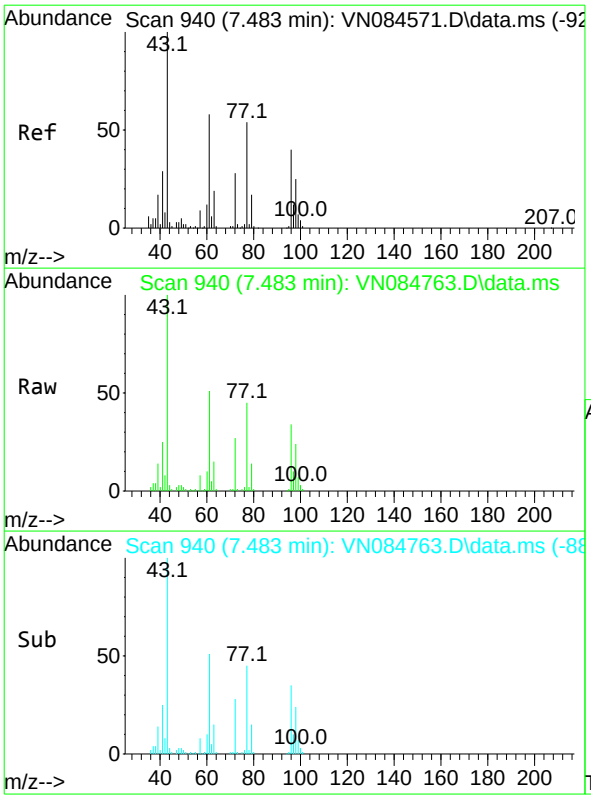


#24
1,1-Dichloroethane
Concen: 48.124 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 63 Resp: 176476

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.7	2.0	5.8



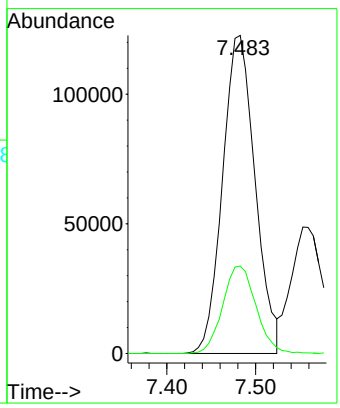


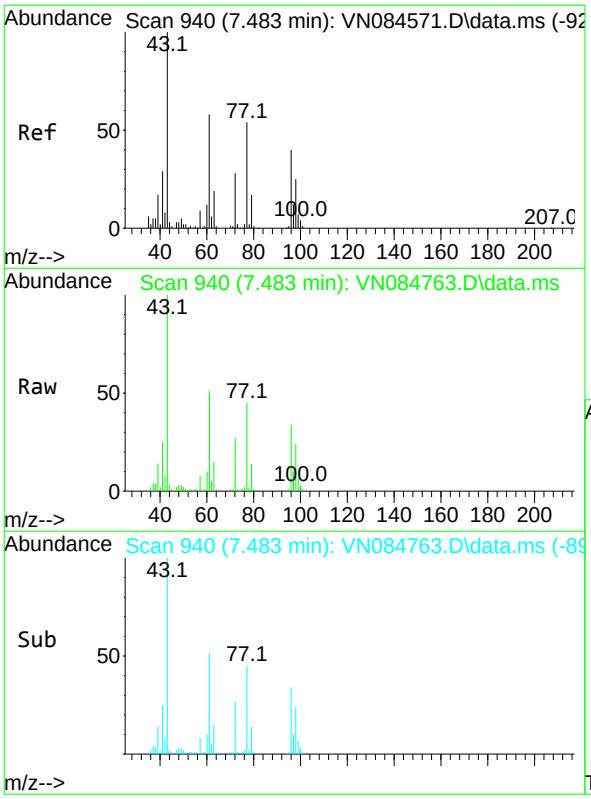
#25
2-Butanone
Concen: 278.781 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 312670

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.4	32.2

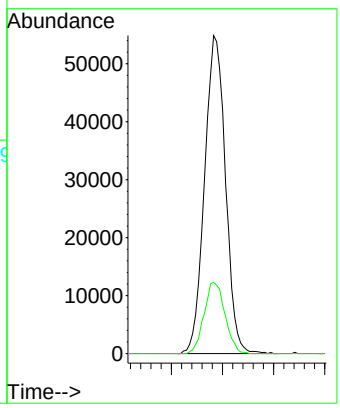


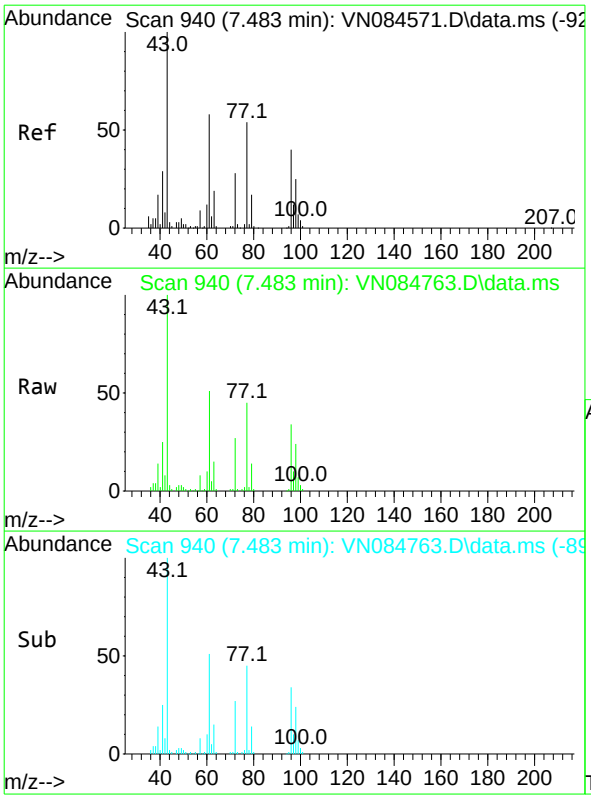


#26
2,2-Dichloropropane
Concen: 48.884 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 77 Resp: 156025

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.8	32.3



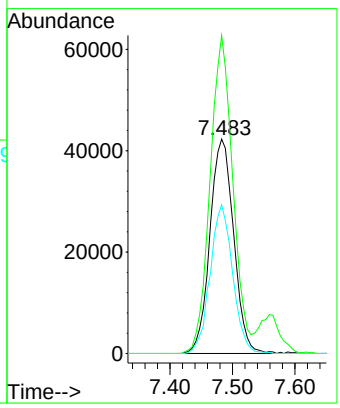


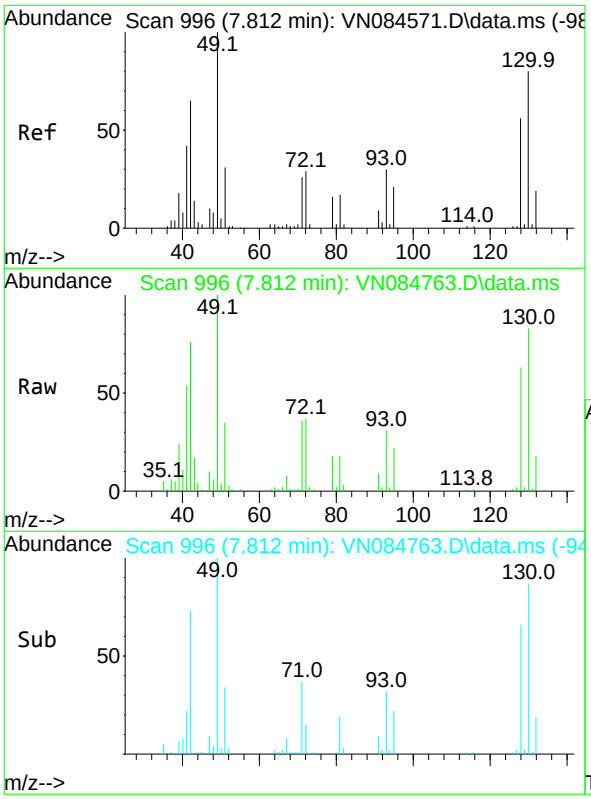
#27
cis-1,2-Dichloroethene
Concen: 49.185 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 111780

Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	301.8
98	65.8	0.0	128.2

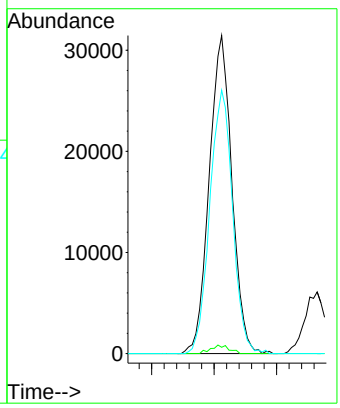


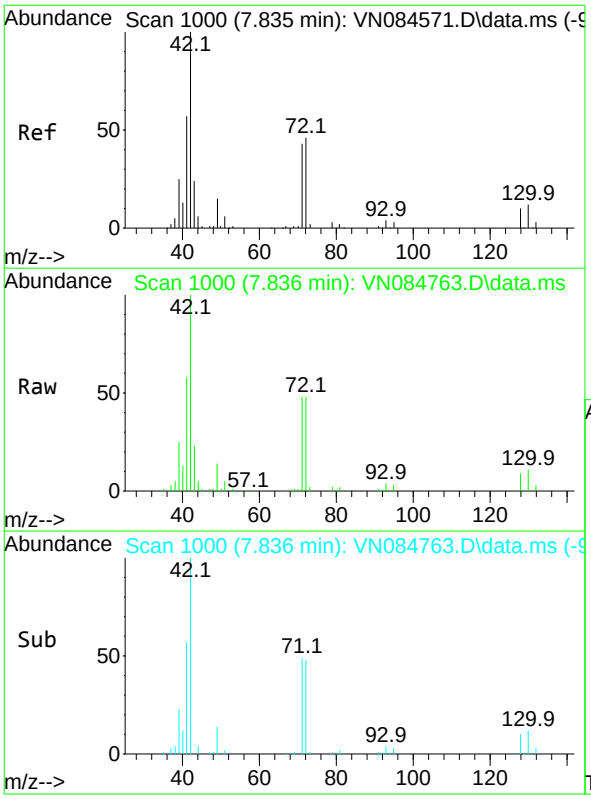


#28
Bromochloromethane
Concen: 54.304 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 49 Resp: 79339

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	83.2	58.0	87.0



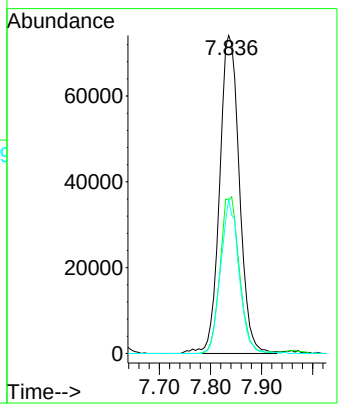


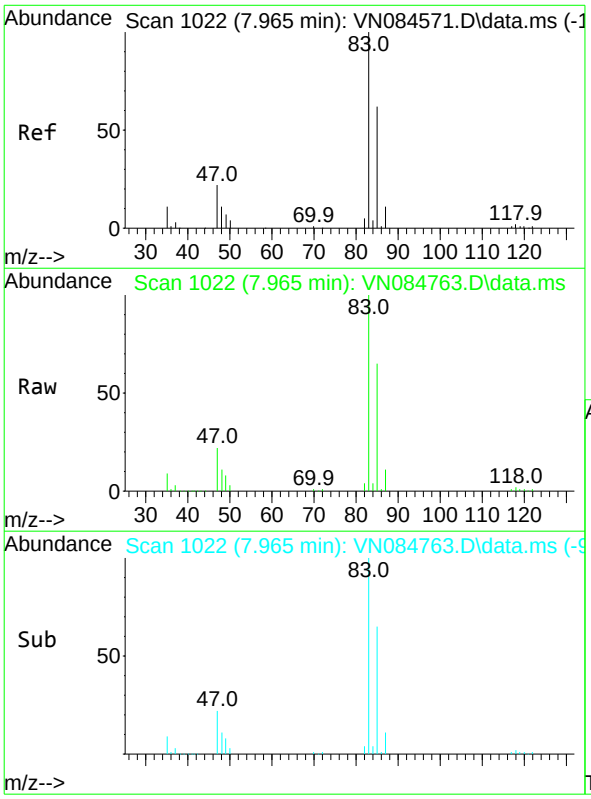
#29
Tetrahydrofuran
Concen: 267.951 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 199372

Ion	Ratio	Lower	Upper
42	100		
72	48.0	34.6	51.8
71	45.0	32.2	48.4

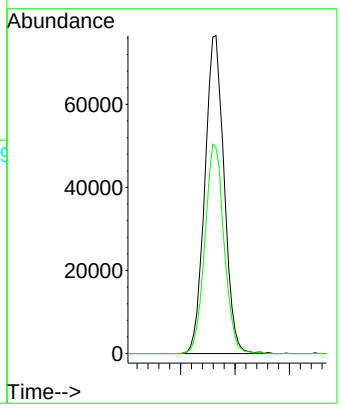


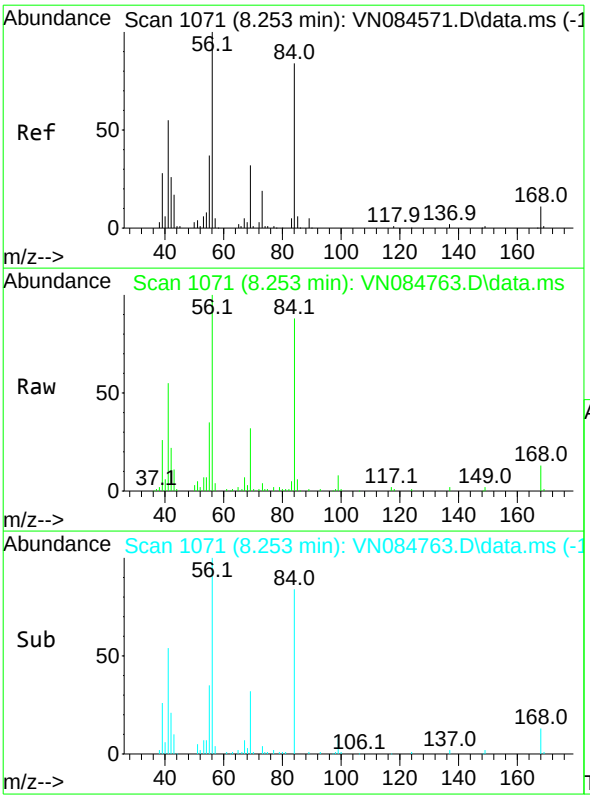


#30
Chloroform
Concen: 50.351 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 83 Resp: 187932

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.4



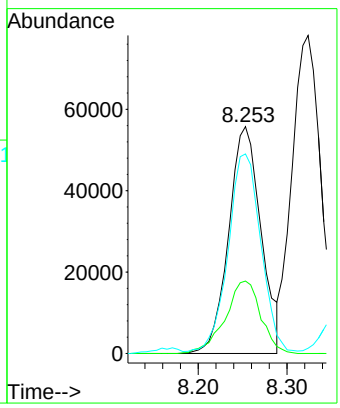


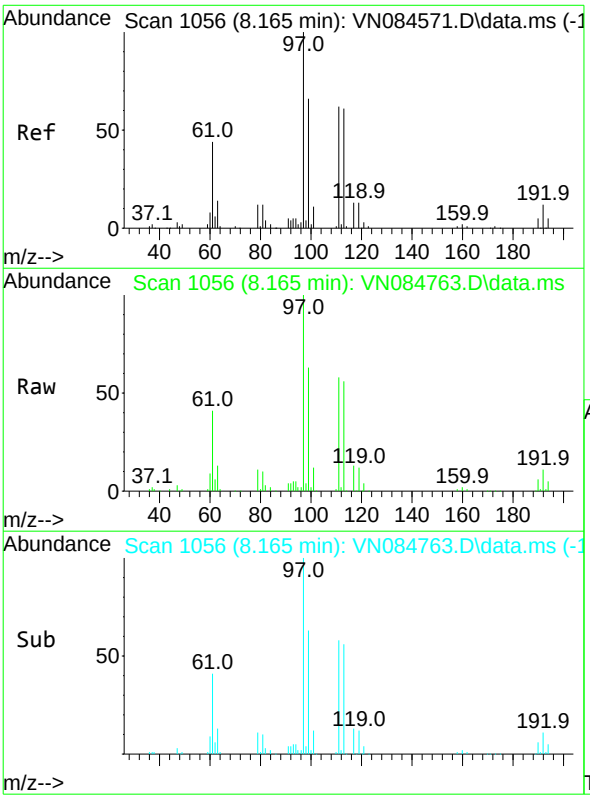
#31
Cyclohexane
Concen: 42.587 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 141347

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	86.1	68.8	103.2

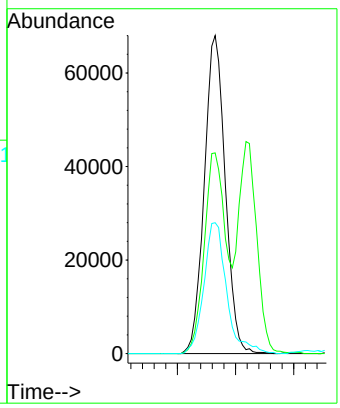


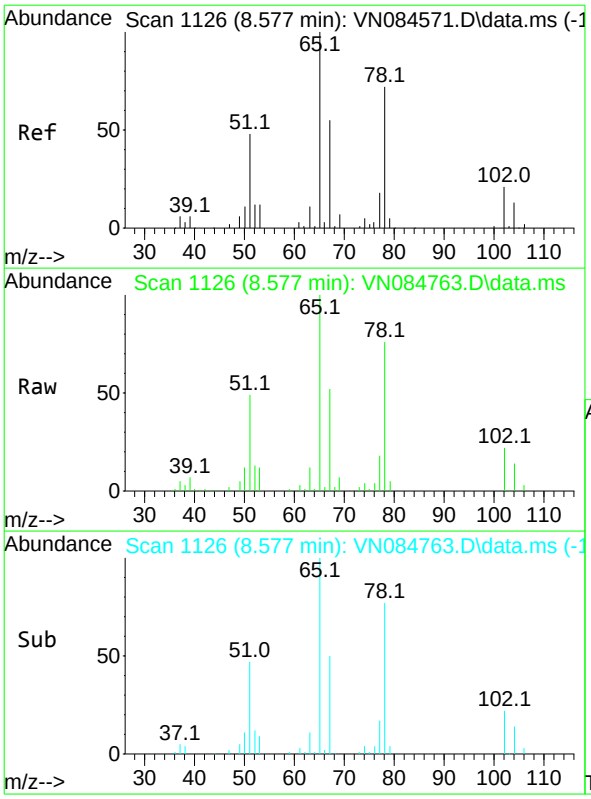


#32
1,1,1-Trichloroethane
Concen: 50.110 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 97 Resp: 170235

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	44.7	37.5	56.3



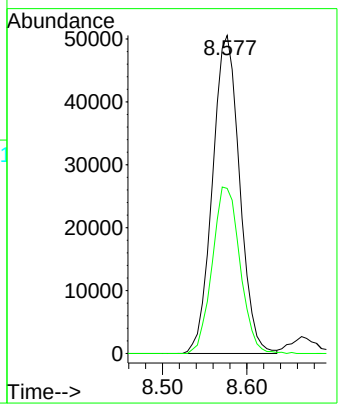


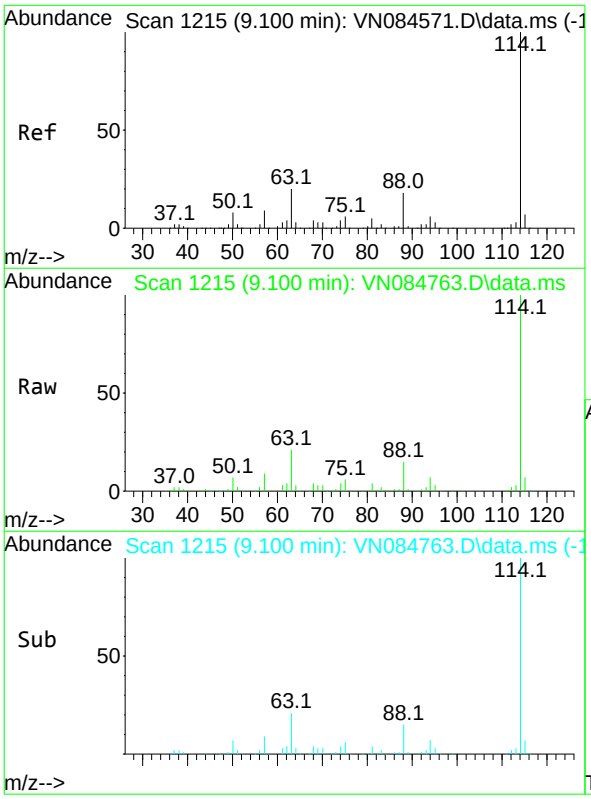
#33
1,2-Dichloroethane-d4
Concen: 47.015 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 113027

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	102.0

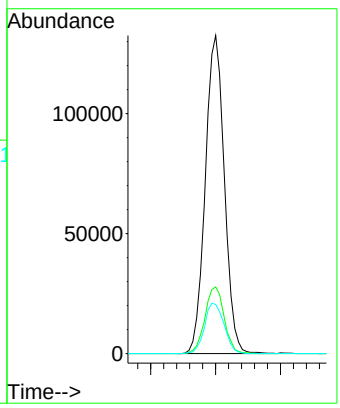


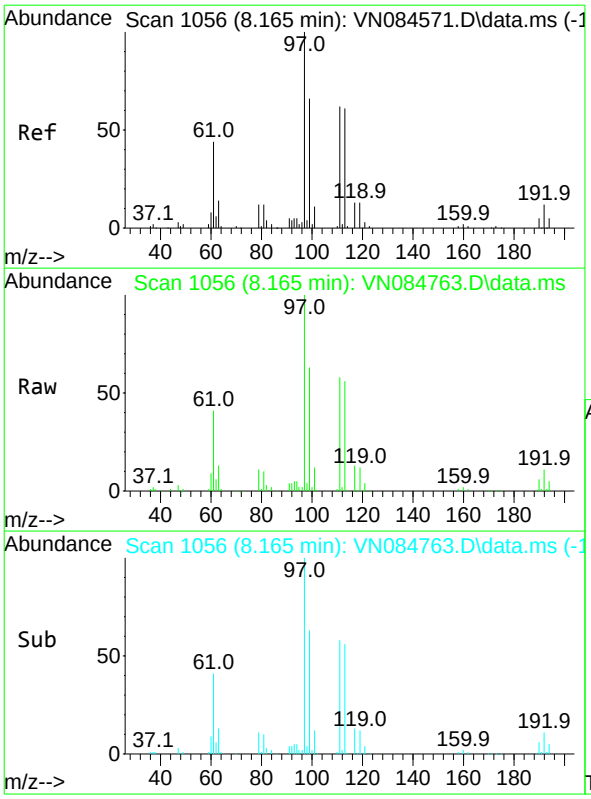


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:114 Resp: 270648

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	15.4	0.0	31.6



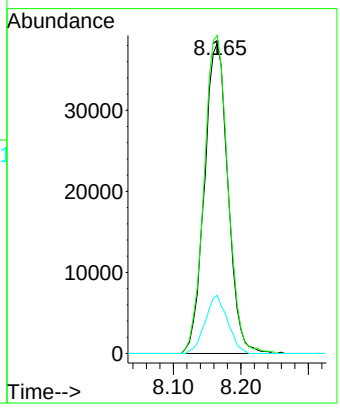


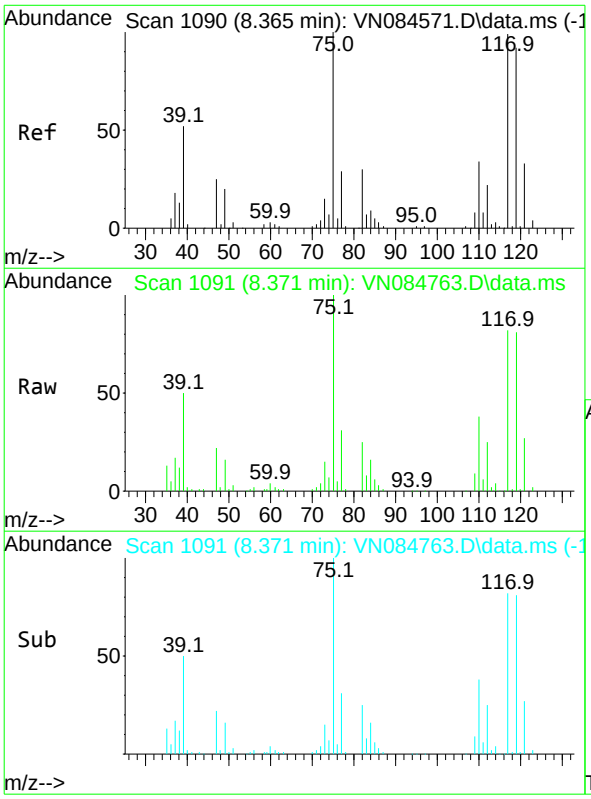
#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 92661

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	17.9	13.5	20.3

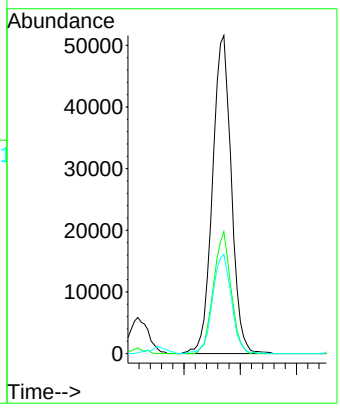


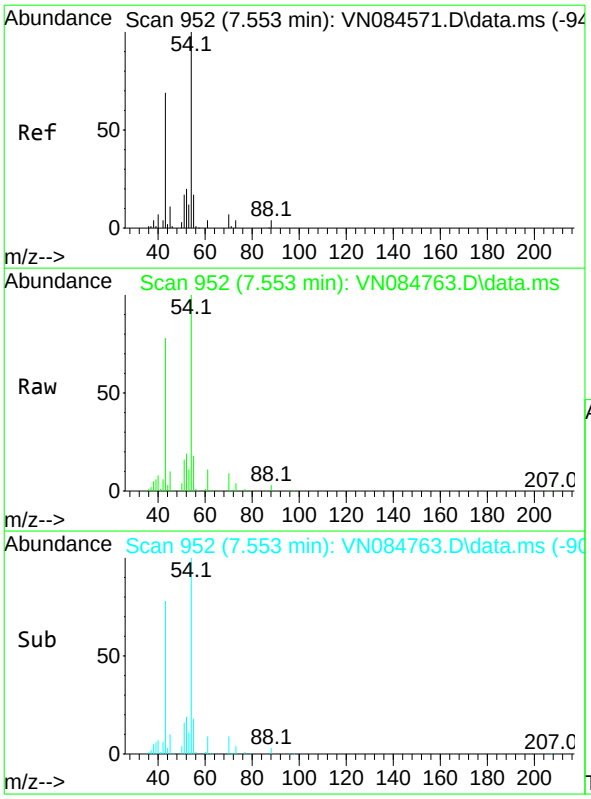


#36
1,1-Dichloropropene
Concen: 47.191 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 119899

Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.9	50.7
77	31.3	24.7	37.1



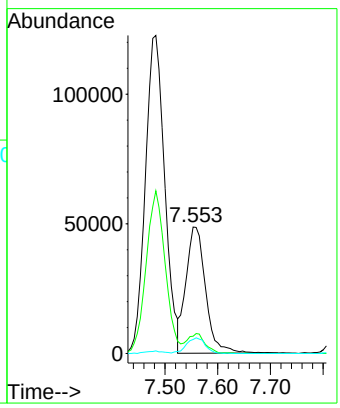


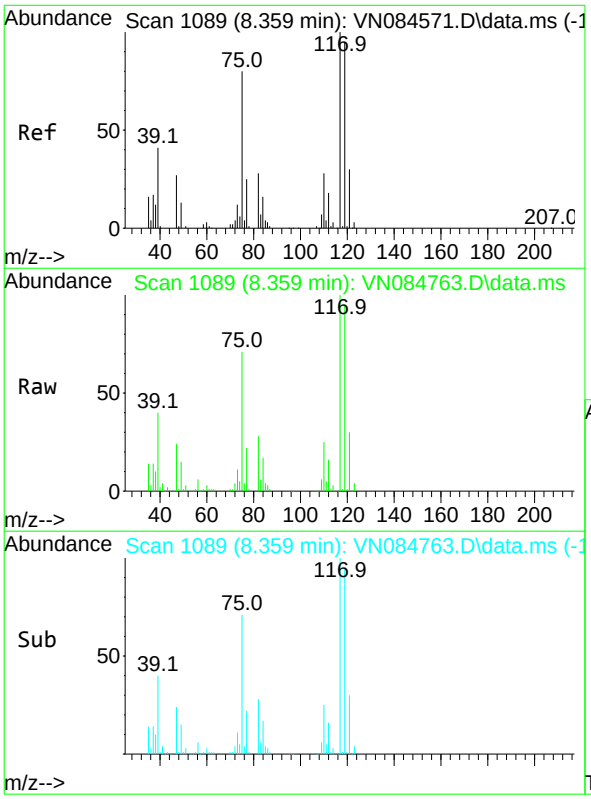
#37
Ethyl Acetate
Concen: 54.851 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 126440

Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	11.8	8.8	13.2

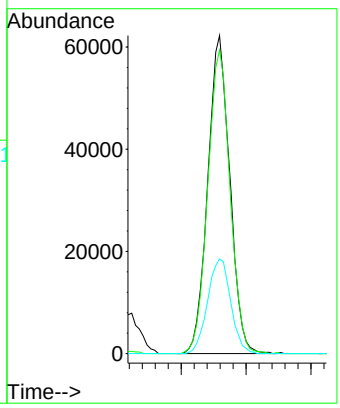


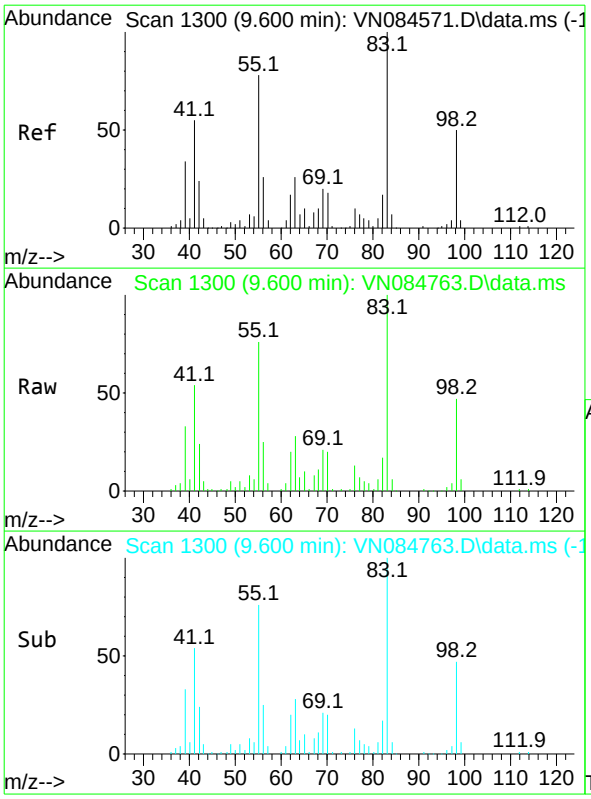


#38
Carbon Tetrachloride
Concen: 51.633 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:117 Resp: 146629

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	29.8	24.4	36.6



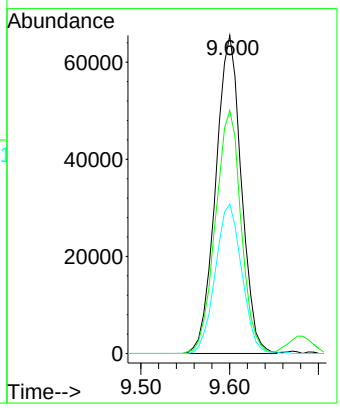


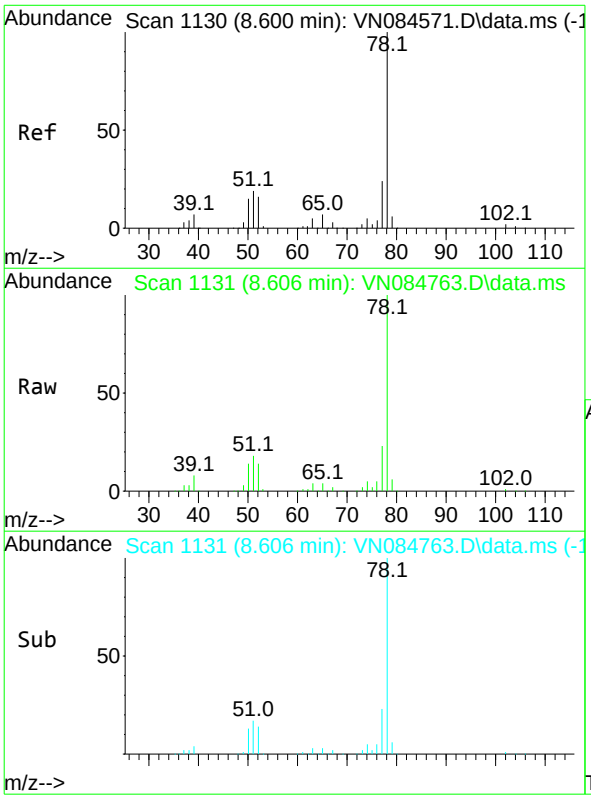
#39
Methylcyclohexane
Concen: 50.763 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 131208

Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.8	94.2
98	47.0	38.8	58.2

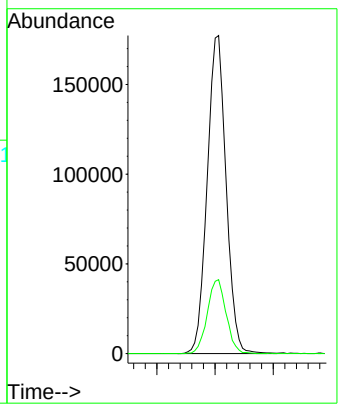


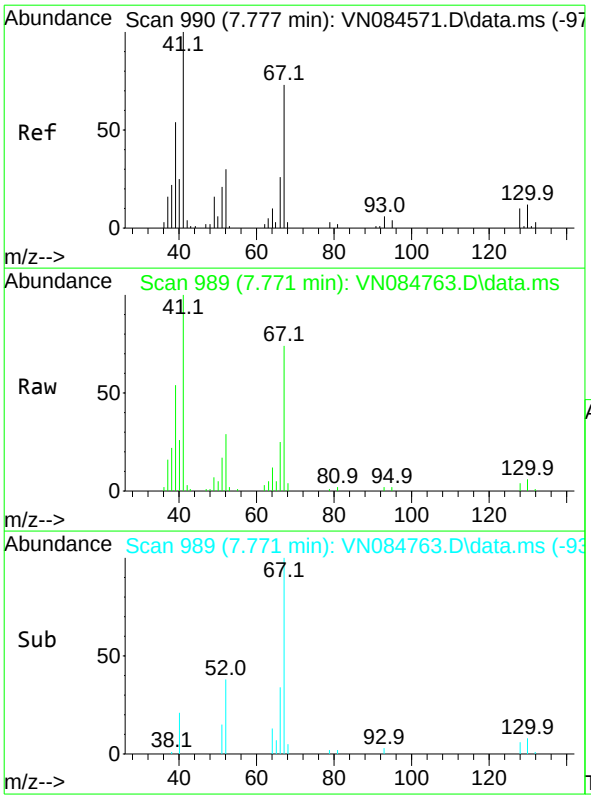


#40
Benzene
Concen: 49.035 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 78 Resp: 400092

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



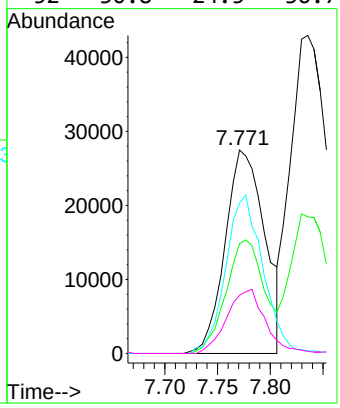


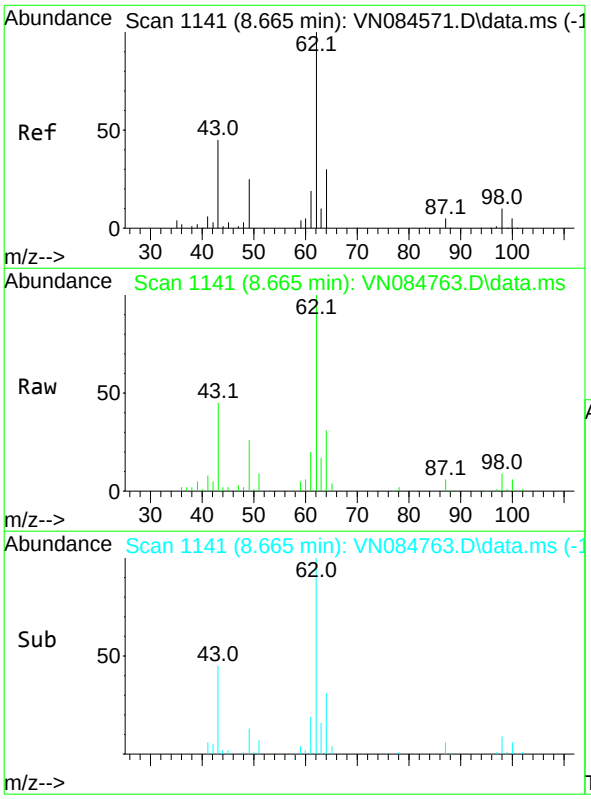
#41
Methacrylonitrile
Concen: 57.885 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 71755

Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.3	64.9
67	73.3	56.1	84.1
52	30.8	24.5	36.7

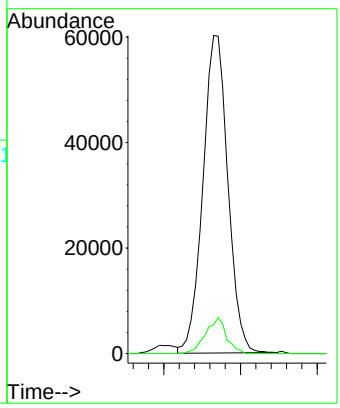


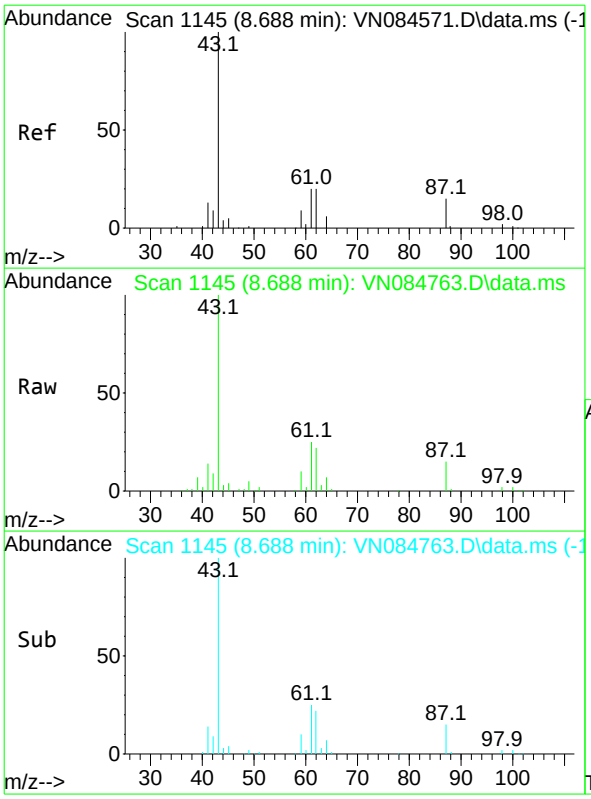


#42
1,2-Dichloroethane
Concen: 51.482 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 62 Resp: 136041

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



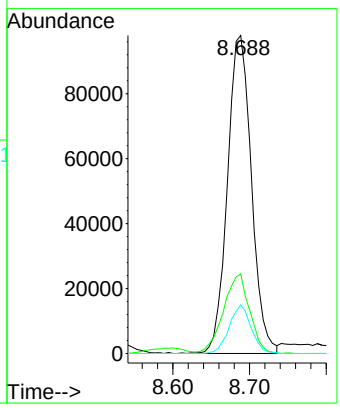


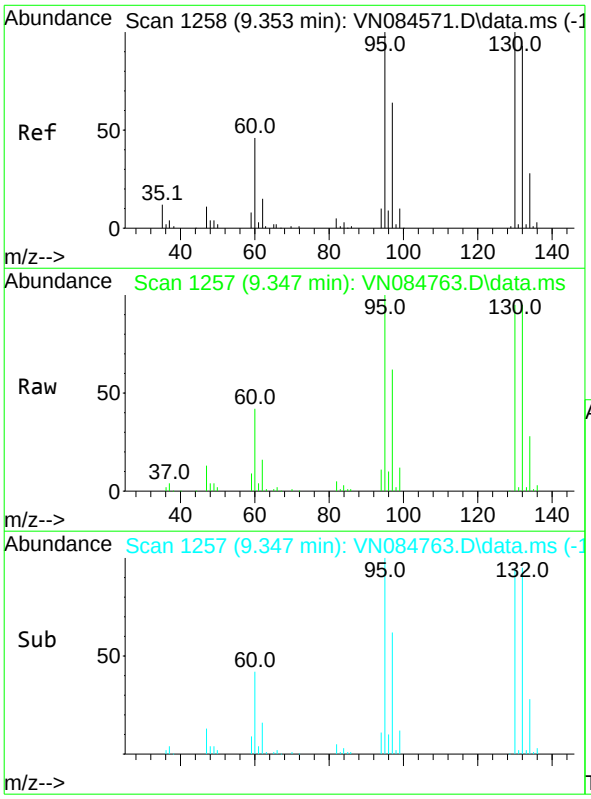
#43
Isopropyl Acetate
Concen: 50.042 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 213108

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.9	10.3	15.5

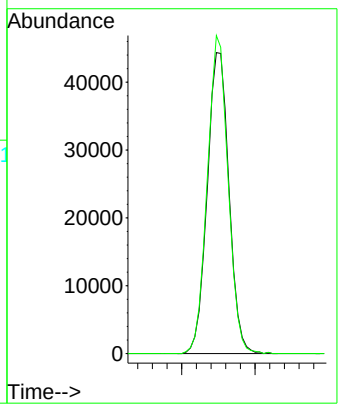


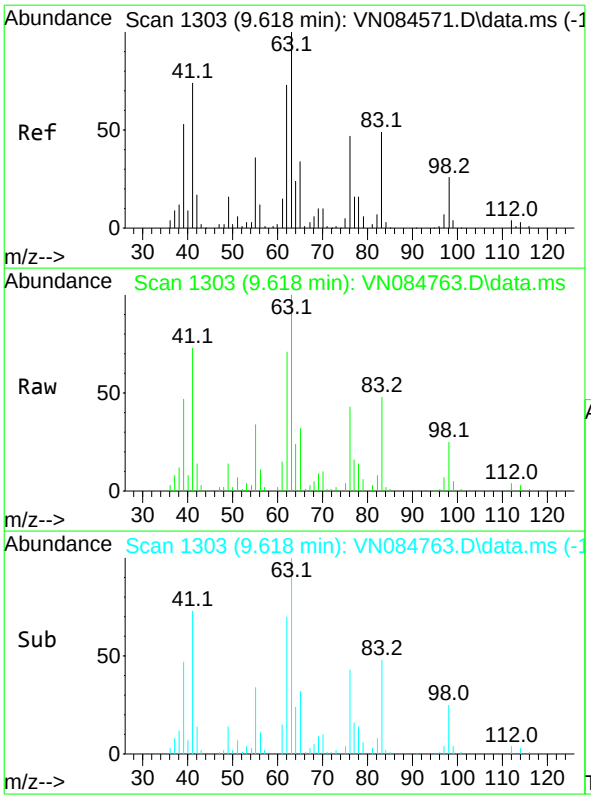


#44
Trichloroethene
Concen: 48.515 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:130 Resp: 91293

Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.0



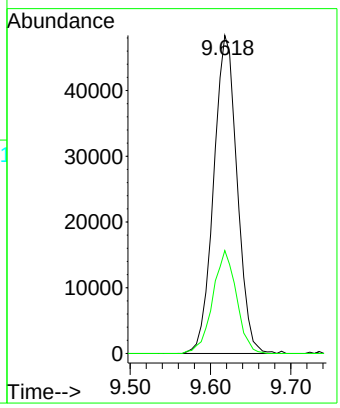


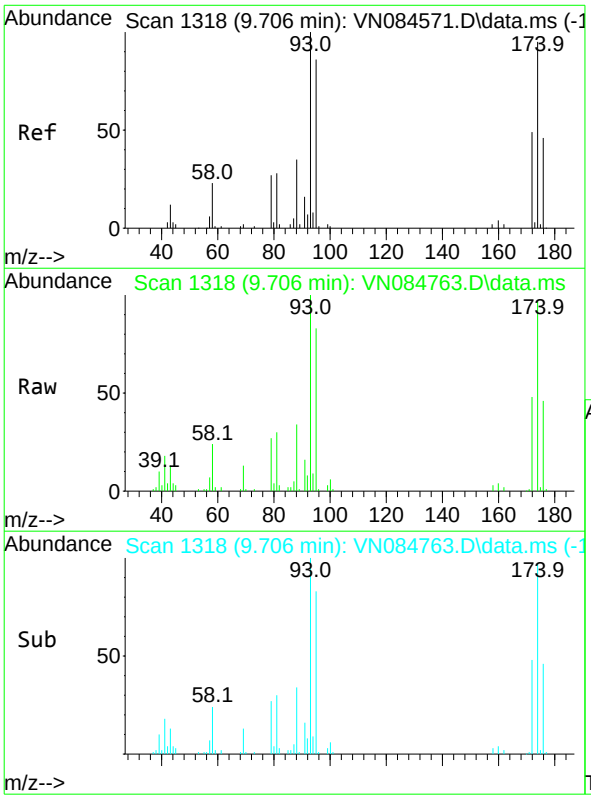
#45
1,2-Dichloropropane
Concen: 51.236 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 98068

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

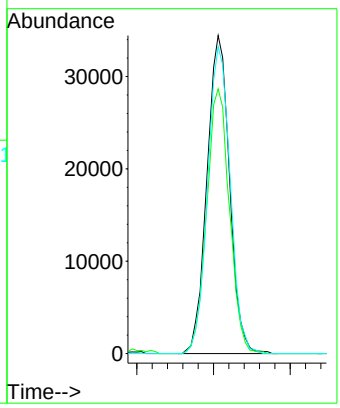


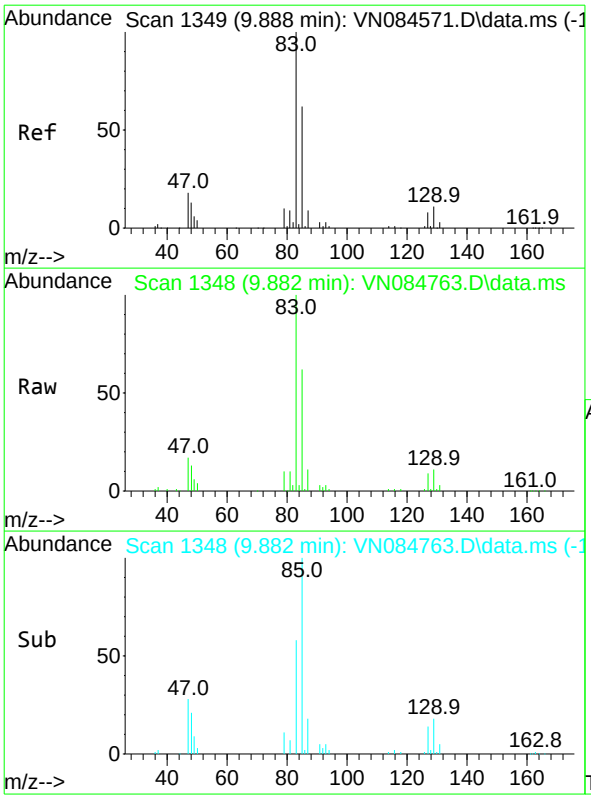


#46
Dibromomethane
Concen: 52.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 93 Resp: 70386

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.0	97.4
174	96.2	71.8	107.8



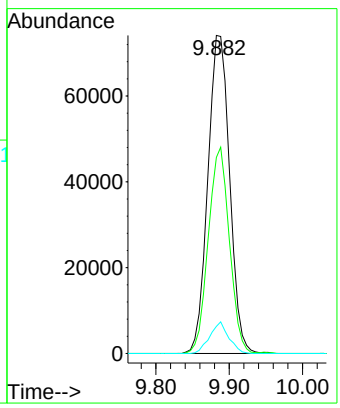


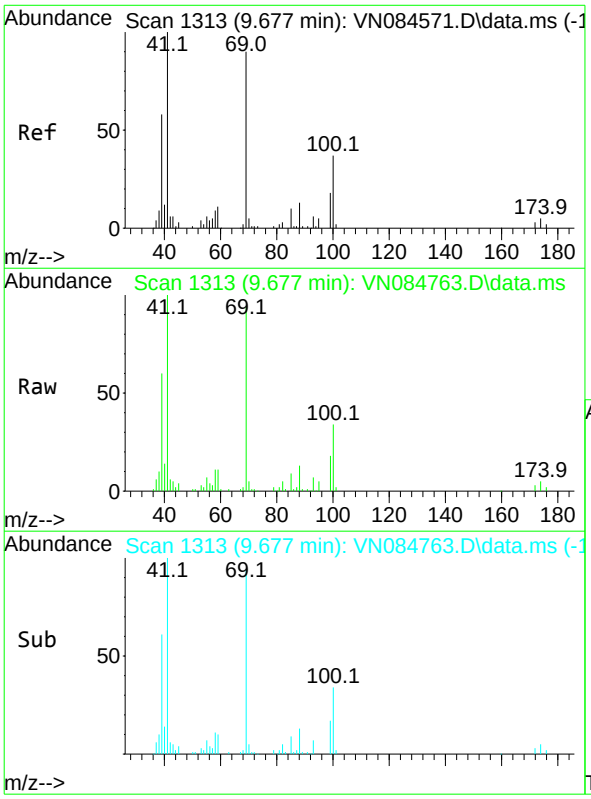
#47
Bromodichloromethane
Concen: 53.751 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 153028

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3
127	8.5	5.7	8.5#

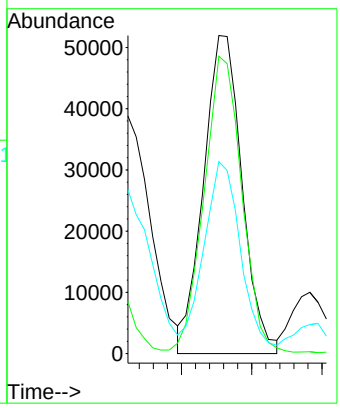


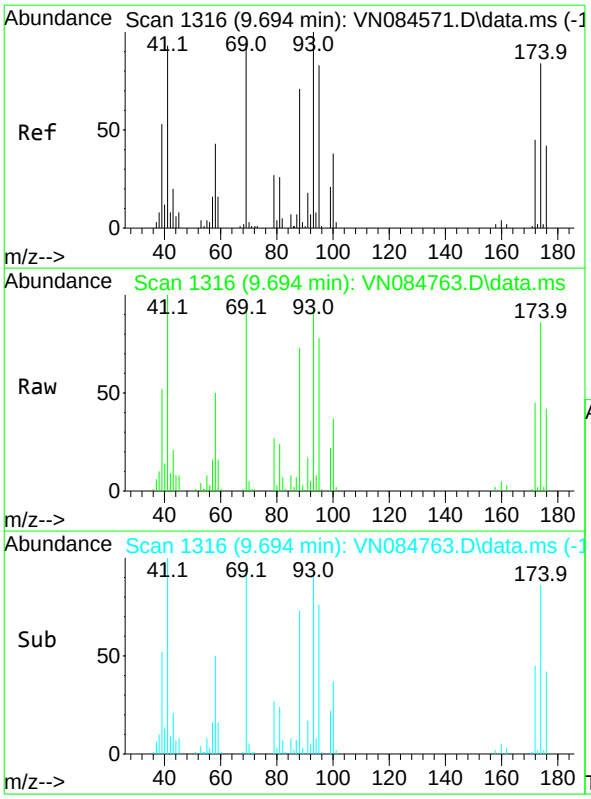


#48
Methyl methacrylate
Concen: 55.006 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 41 Resp: 98683

Ion	Ratio	Lower	Upper
41	100		
69	92.7	67.1	100.7
39	58.7	45.8	68.6



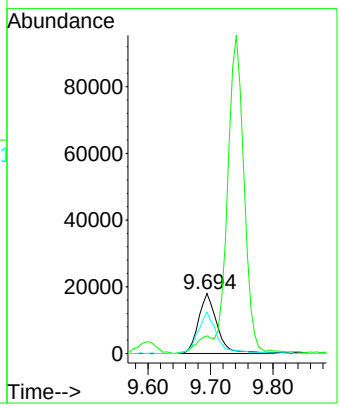


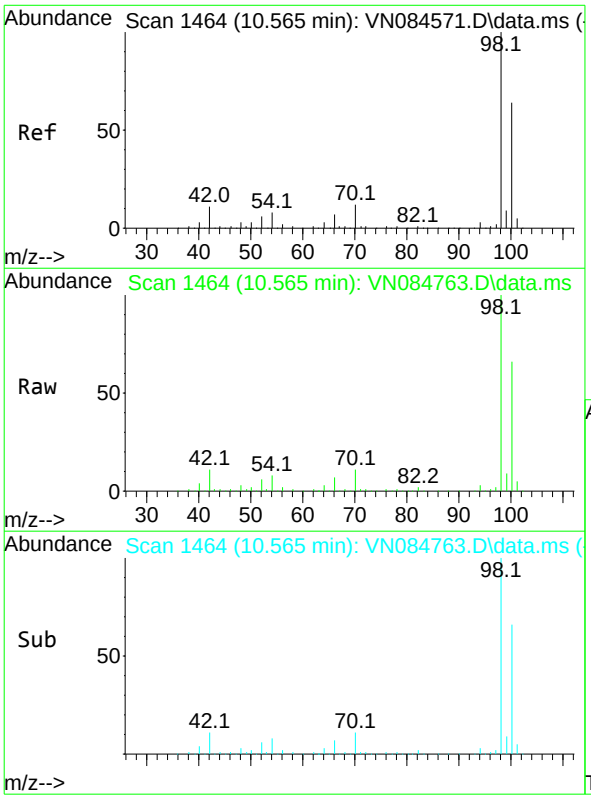
#49
1,4-Dioxane
Concen: 1173.486 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 37307

Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.3	37.9
58	70.1	56.4	84.6

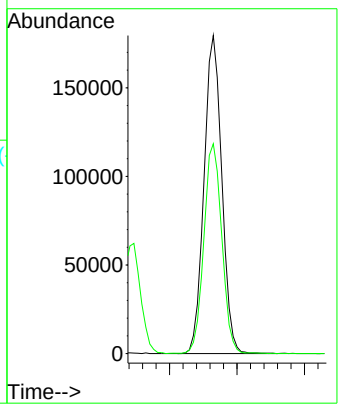


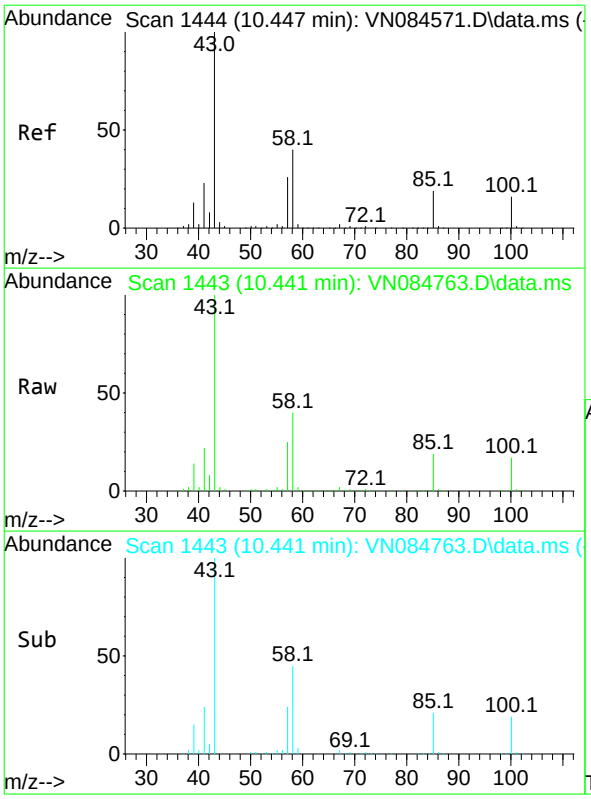


#50
Toluene-d8
Concen: 48.687 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 98 Resp: 328558

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1



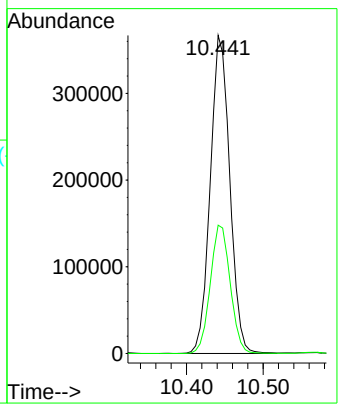


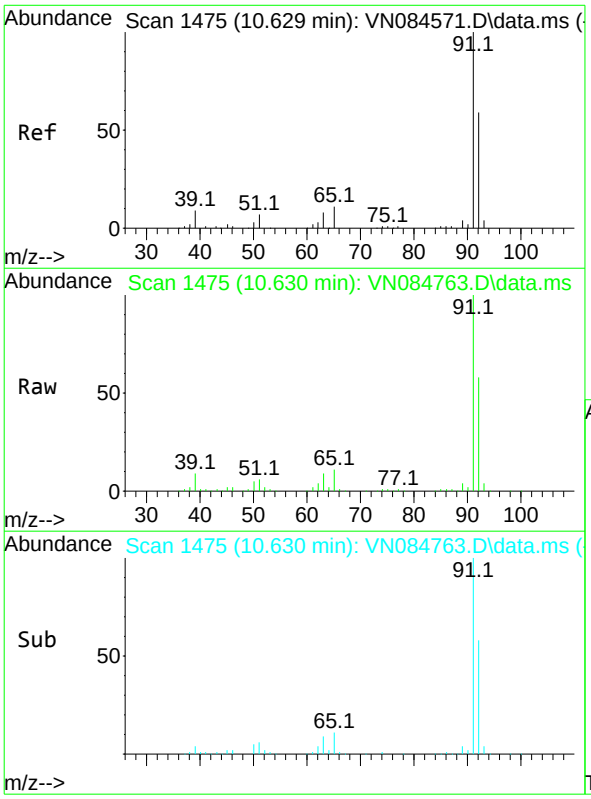
#51
4-Methyl-2-Pentanone
Concen: 294.690 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 647585

Ion	Ratio	Lower	Upper
43	100		
58	41.3	31.6	47.4

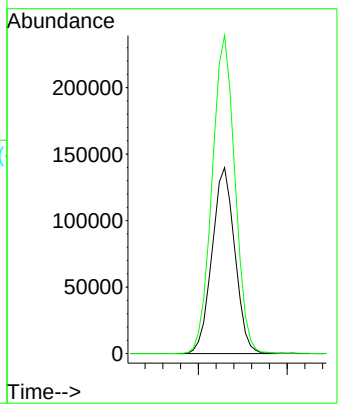


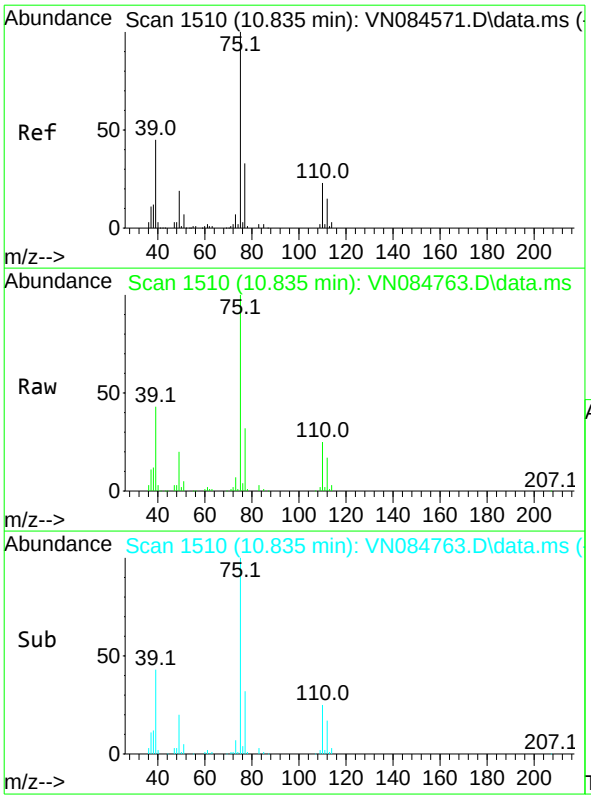


#52
Toluene
Concen: 52.263 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 92 Resp: 249401

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.3	205.9



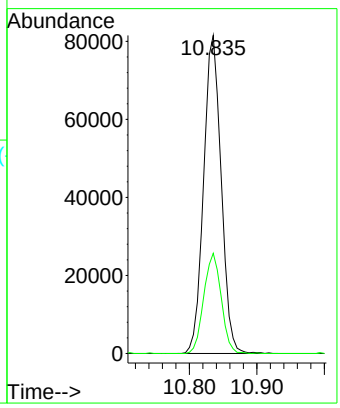


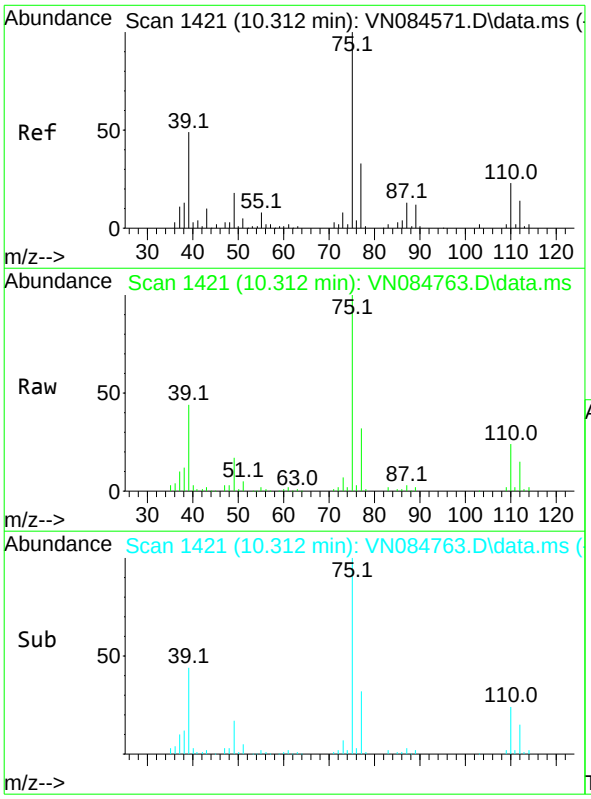
#53
t-1,3-Dichloropropene
Concen: 49.888 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 147017

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

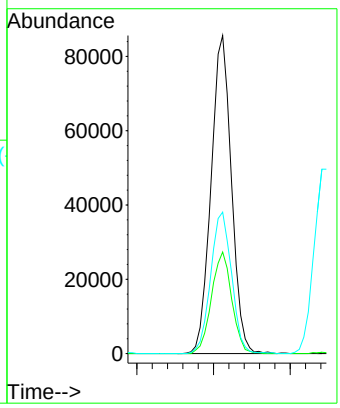


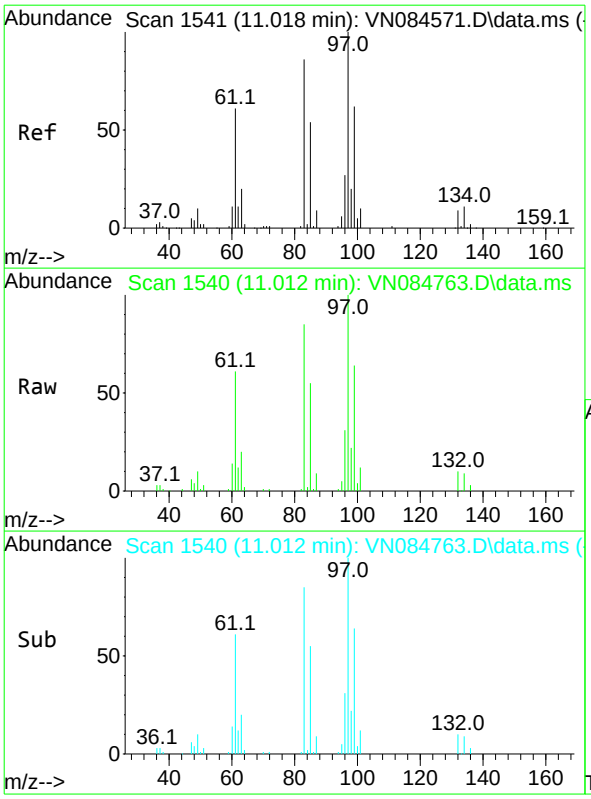


#54
cis-1,3-Dichloropropene
Concen: 50.677 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 158062

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.2	36.2
39	44.5	38.7	58.1



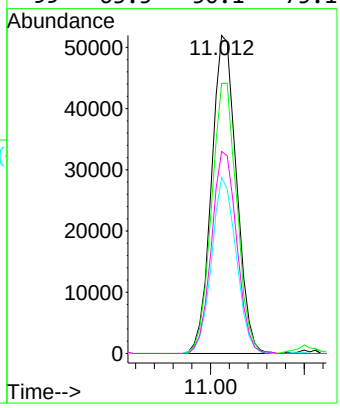


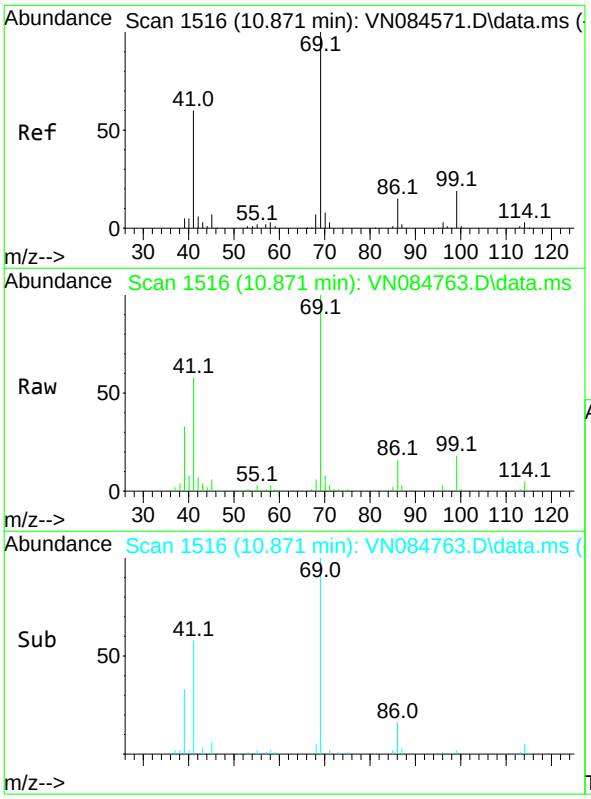
#55
1,1,2-Trichloroethane
Concen: 53.508 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 96183

Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.0	106.4
85	55.3	41.7	62.5
99	63.5	50.1	75.1

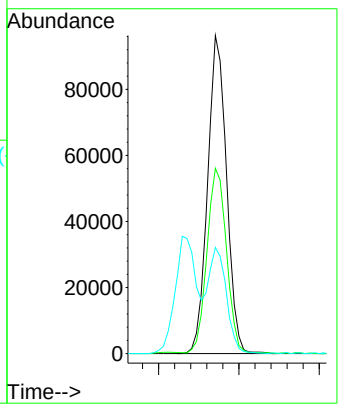


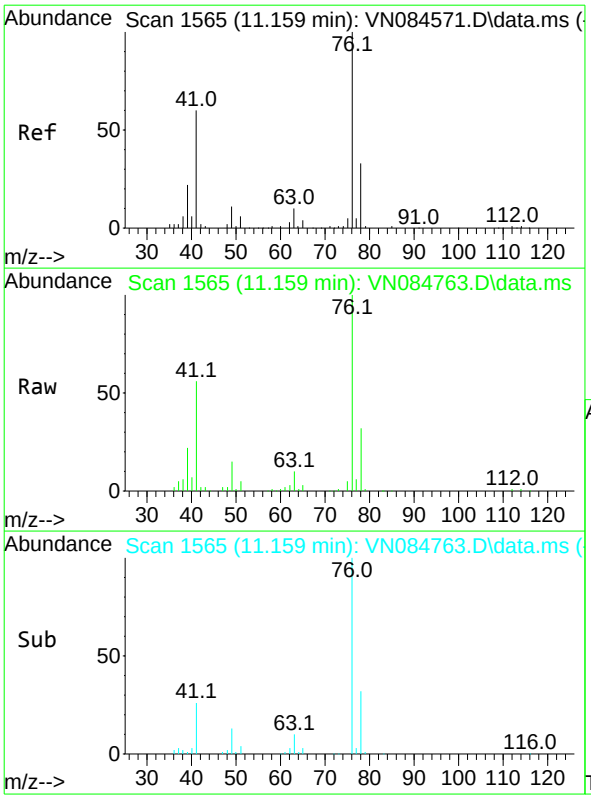


#56
Ethyl methacrylate
Concen: 60.744 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 69 Resp: 157941

Ion	Ratio	Lower	Upper
69	100		
41	60.3	53.3	79.9
39	32.9	28.8	43.2



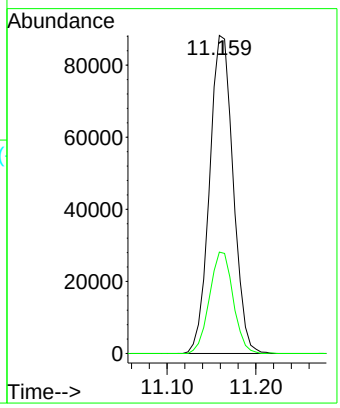


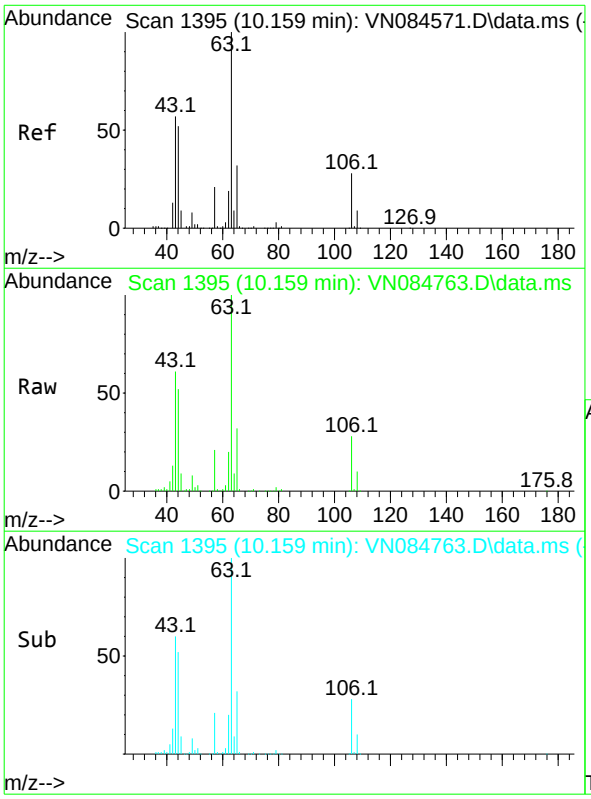
#57
1,3-Dichloropropane
Concen: 52.786 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 162845

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

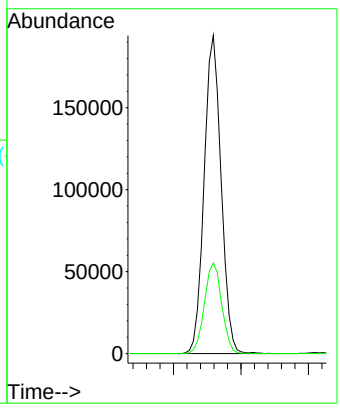


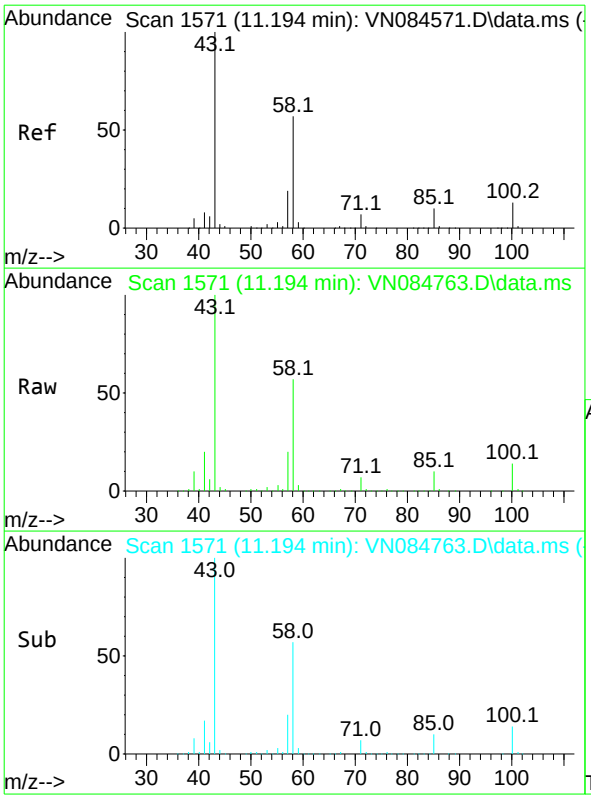


#58
2-Chloroethyl Vinyl ether
Concen: 278.300 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 63 Resp: 338599

Ion	Ratio	Lower	Upper
63	100		
106	29.1	21.8	32.6



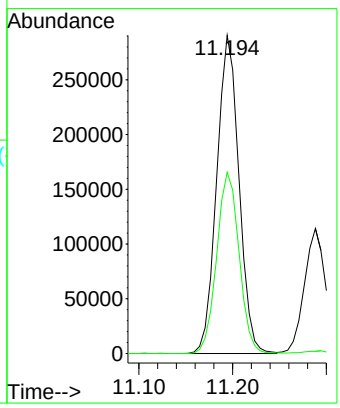


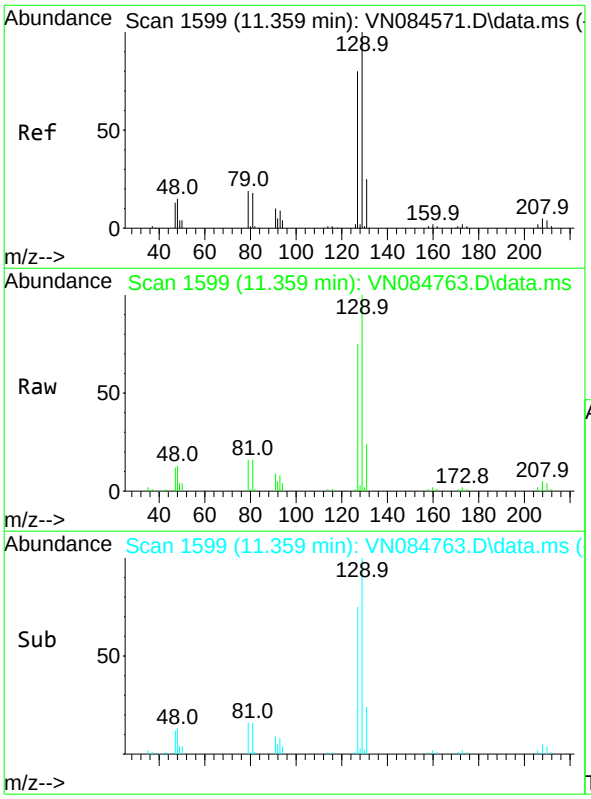
#59
2-Hexanone
Concen: 299.154 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 478507

Ion	Ratio	Lower	Upper
43	100		
58	57.3	27.3	81.8

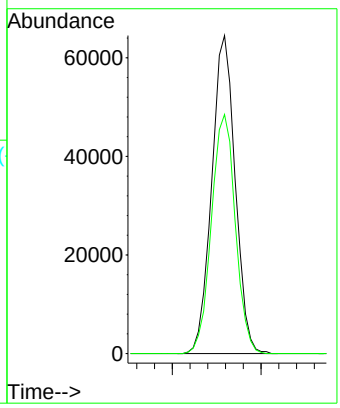


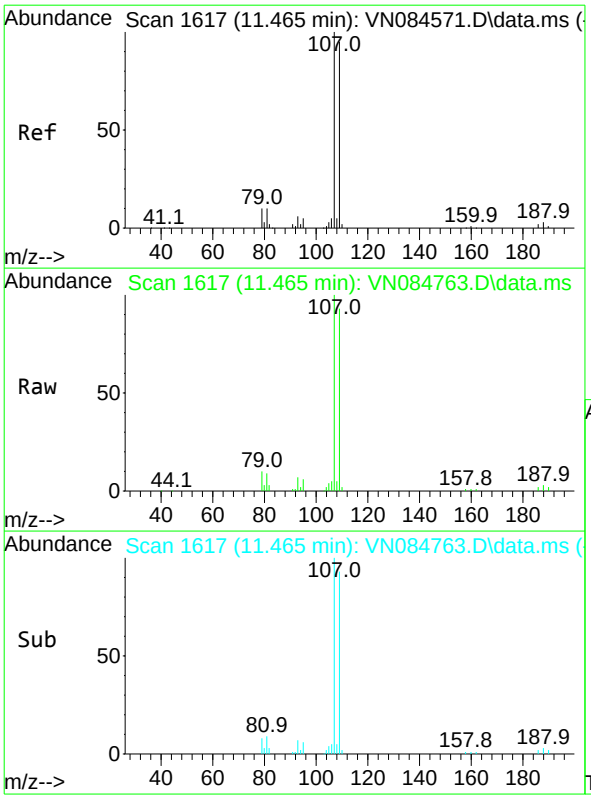


#60
Dibromochloromethane
Concen: 57.750 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:129 Resp: 118310

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9



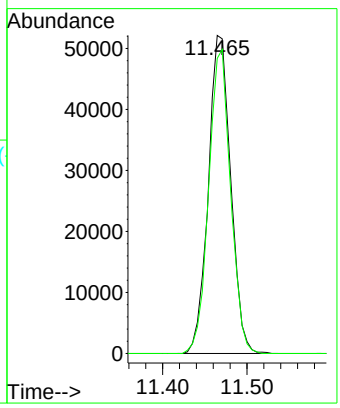


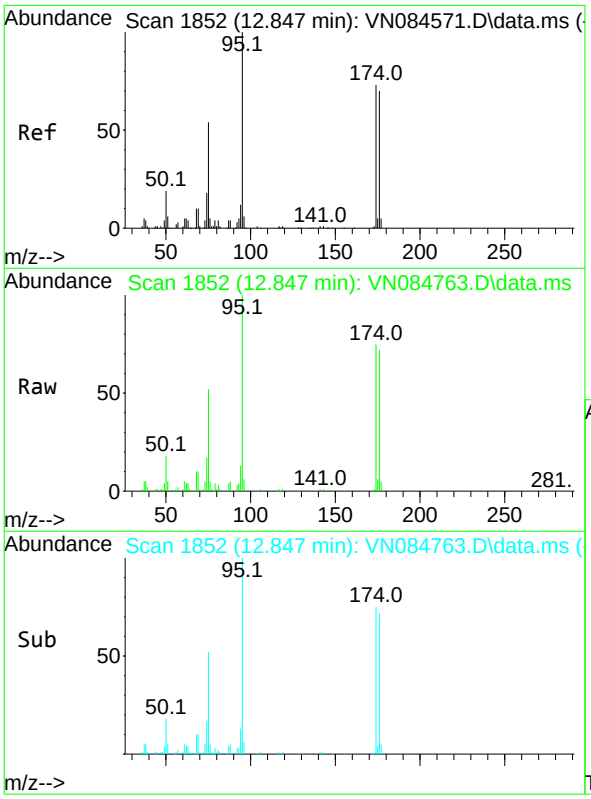
#61
1,2-Dibromoethane
Concen: 52.293 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 96259

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0

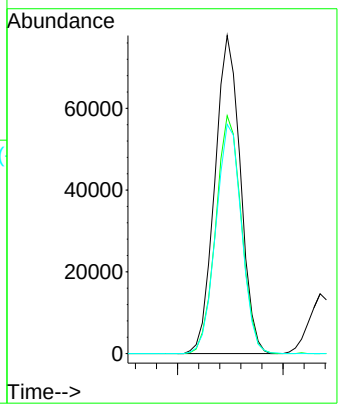


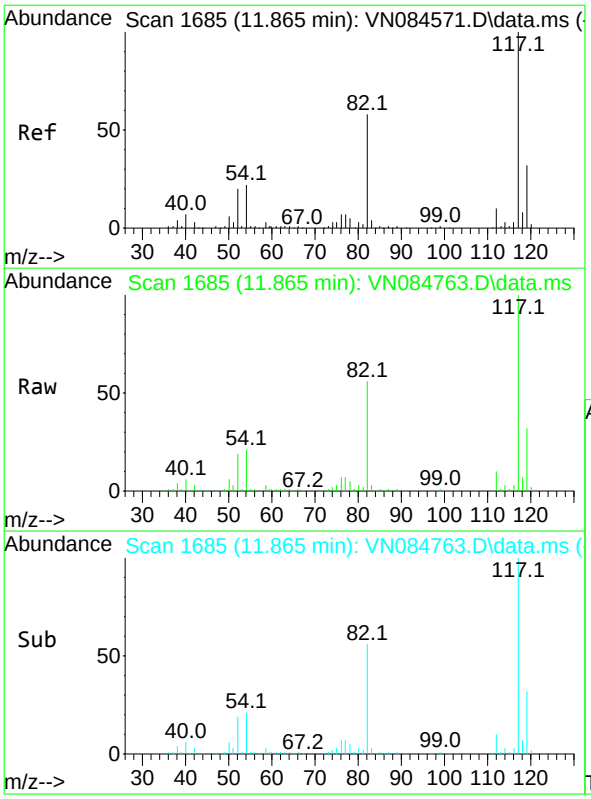


#62
4-Bromofluorobenzene
Concen: 51.967 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 95 Resp: 131064

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	72.4	0.0	140.0



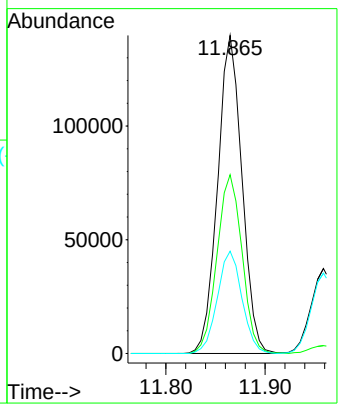


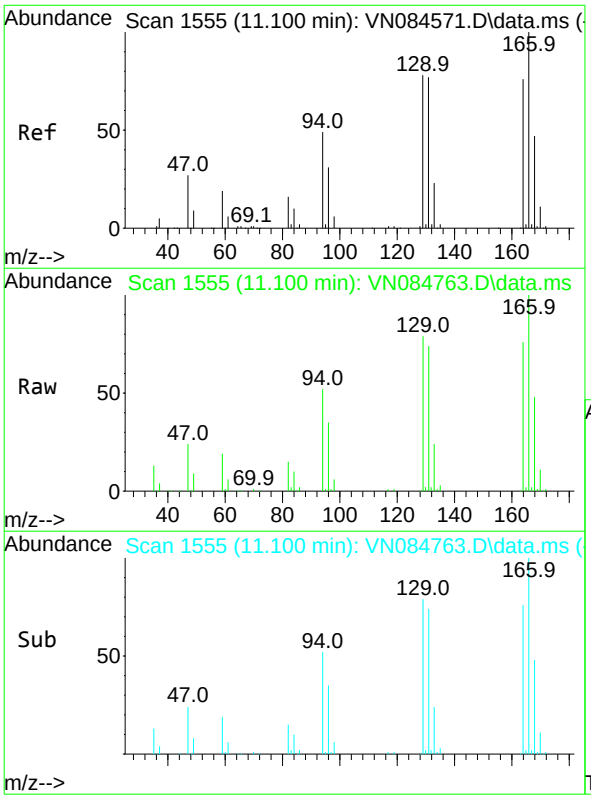
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 238712

Ion	Ratio	Lower	Upper
117	100		
82	56.2	47.2	70.8
119	32.2	25.4	38.0

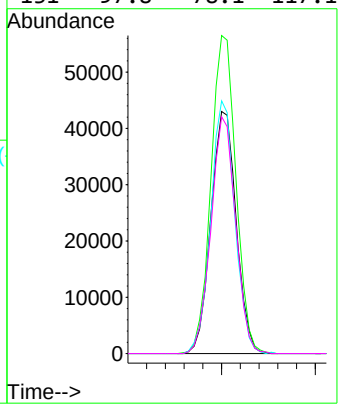


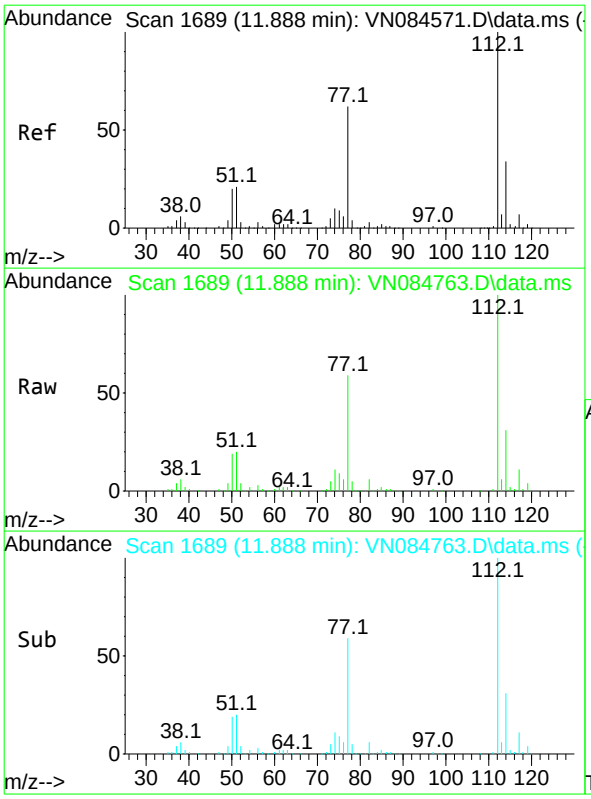


#64
Tetrachloroethene
Concen: 50.742 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:164 Resp: 80569

Ion	Ratio	Lower	Upper
164	100		
166	131.4	101.0	151.4
129	104.4	80.8	121.2
131	97.8	78.1	117.1



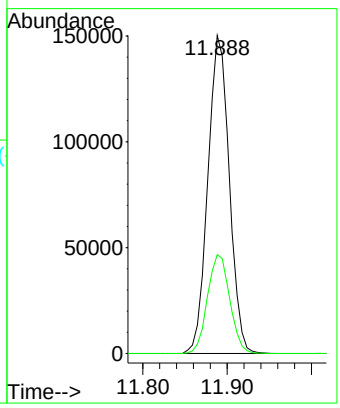


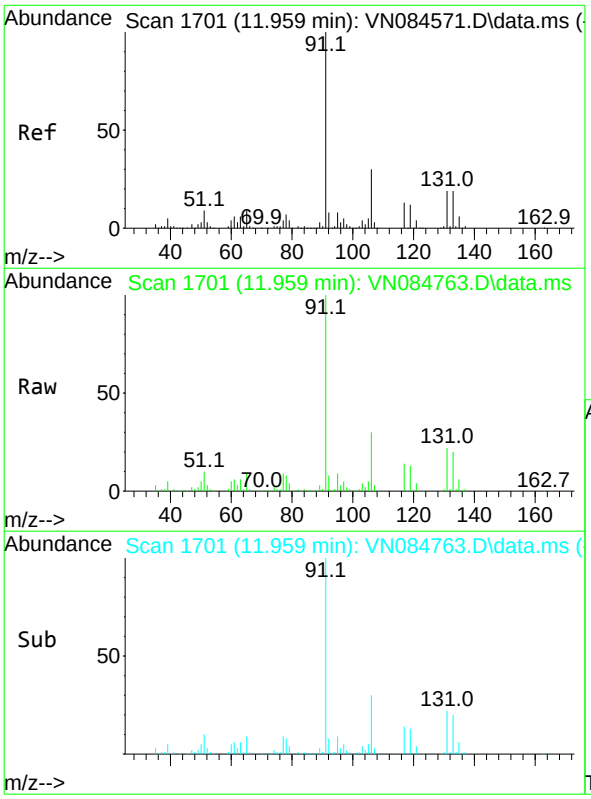
#65
Chlorobenzene
Concen: 49.619 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 264984

Ion	Ratio	Lower	Upper
112	100		
114	31.1	27.0	40.6

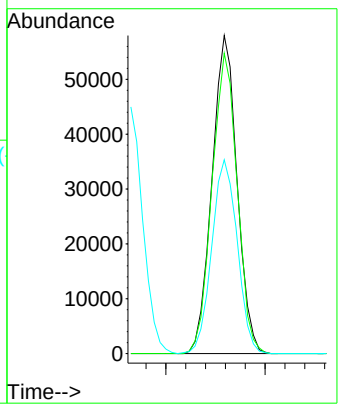


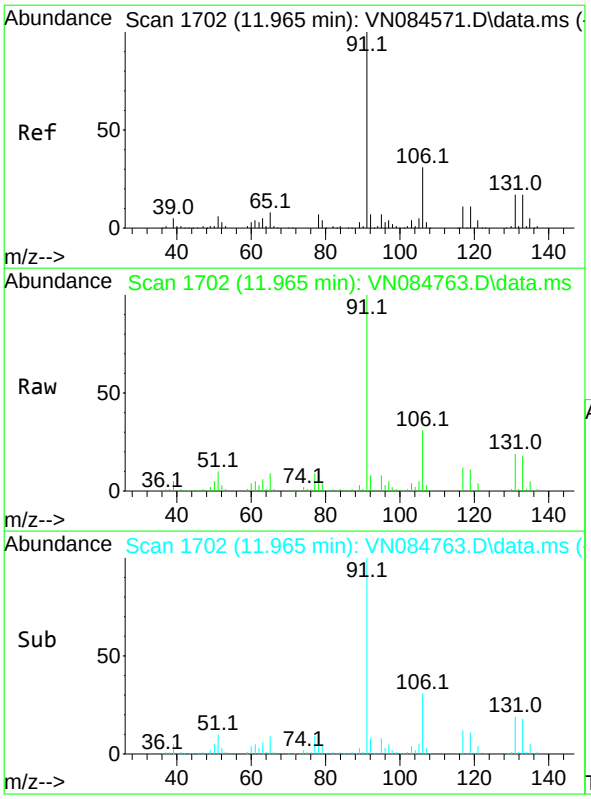


#66
1,1,1,2-Tetrachloroethane
Concen: 54.732 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:131 Resp: 101669

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.7
119	62.1	32.8	98.3



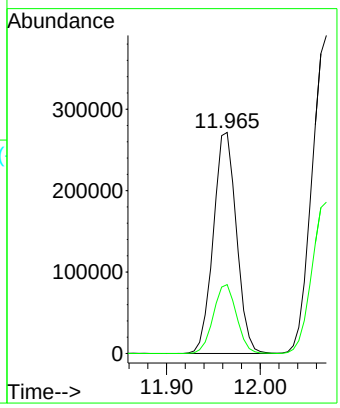


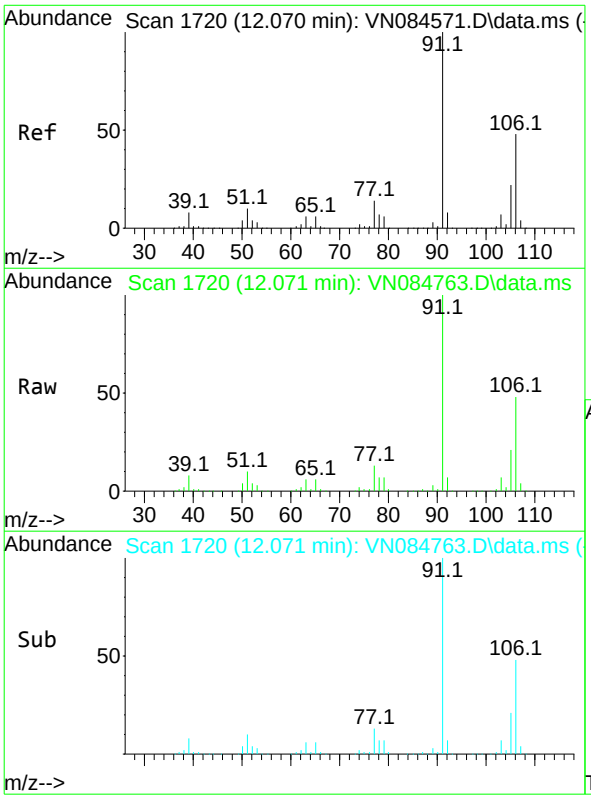
#67
Ethyl Benzene
Concen: 52.251 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 465784

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7

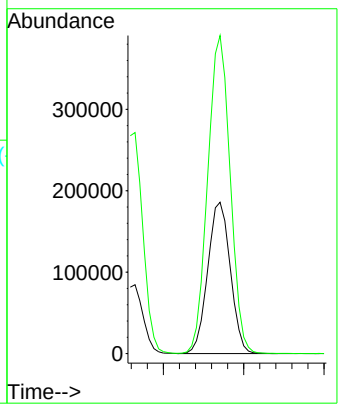


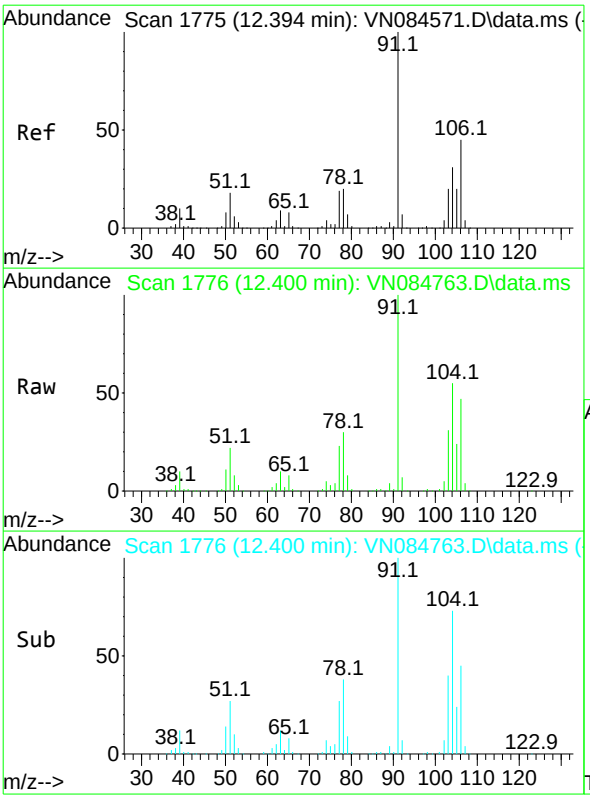


#68
m/p-Xylenes
Concen: 107.734 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:106 Resp: 363586

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.1	250.7



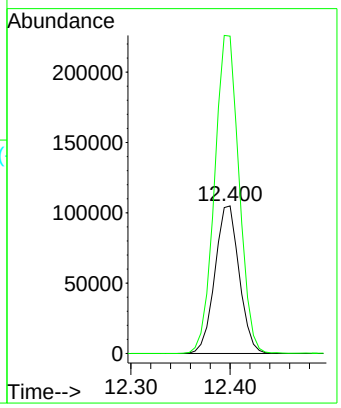


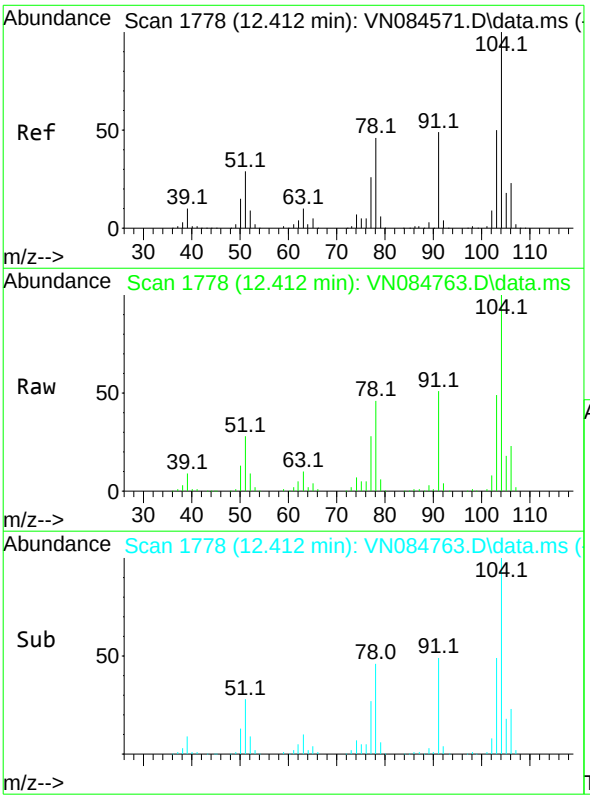
#69
o-Xylene
Concen: 56.617 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 178745

Ion	Ratio	Lower	Upper
106	100		
91	217.2	110.2	330.6

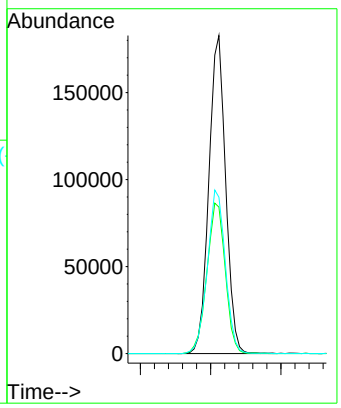


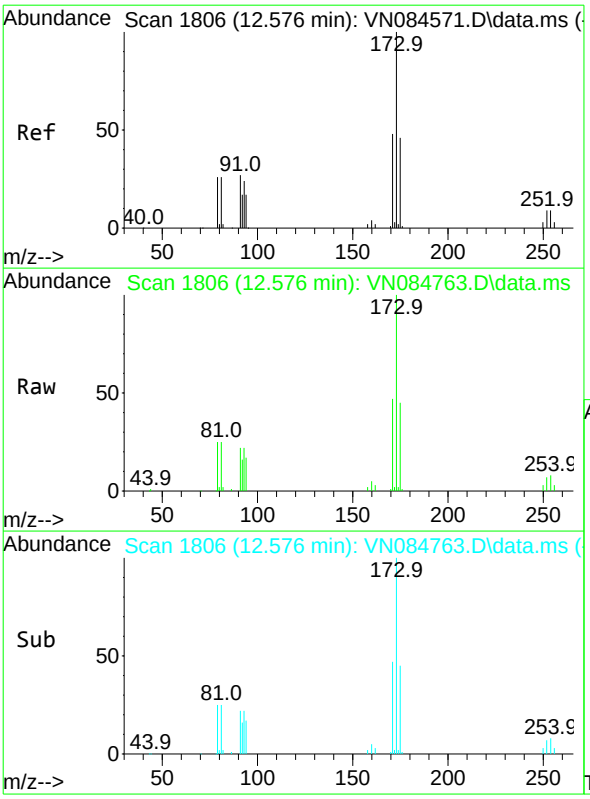


#70
Styrene
Concen: 55.134 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:104 Resp: 303645

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.7	64.1
103	55.2	43.6	65.4



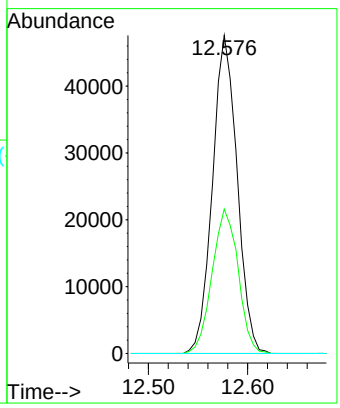


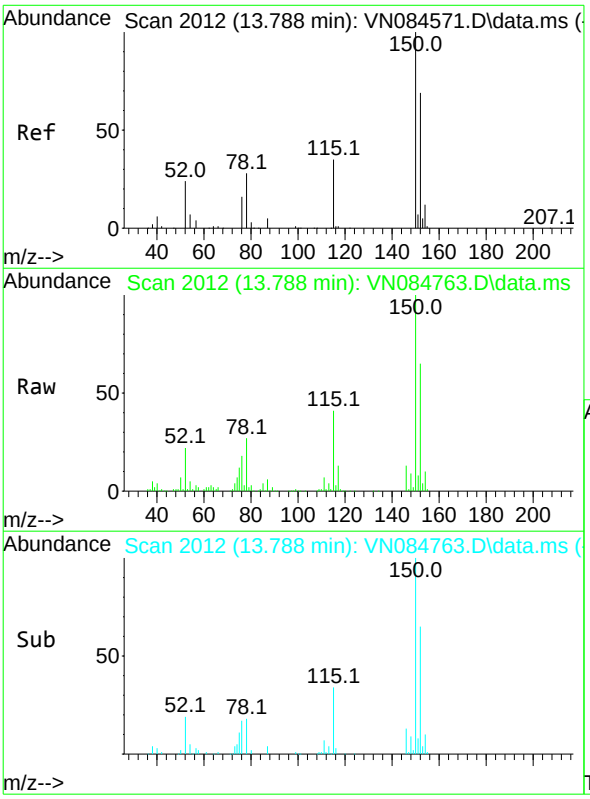
#71
Bromoform
Concen: 58.721 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 82078

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0

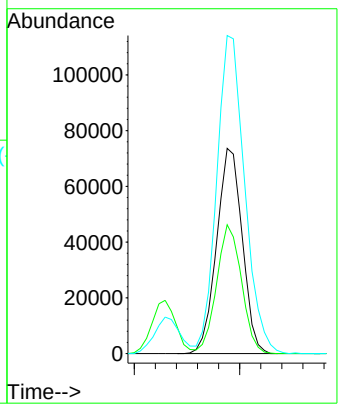


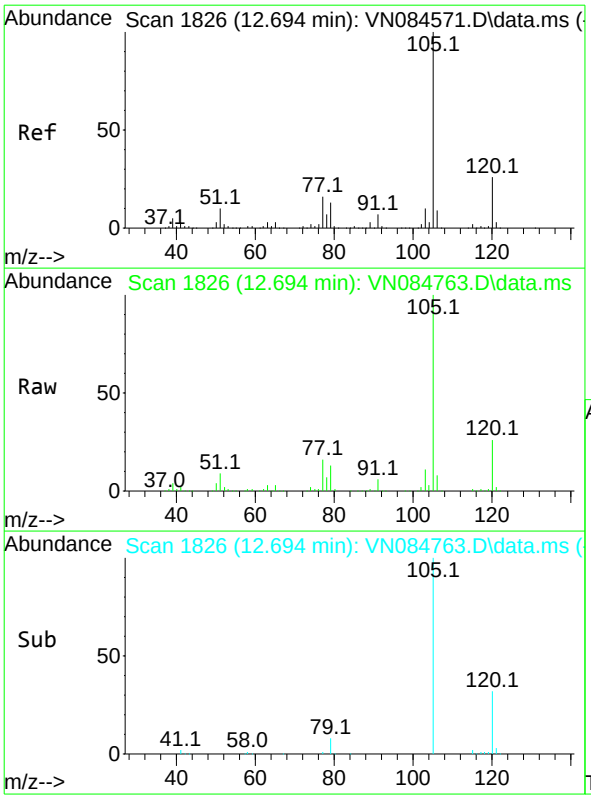


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:152 Resp: 124434

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.3	93.9
150	169.0	0.0	349.8



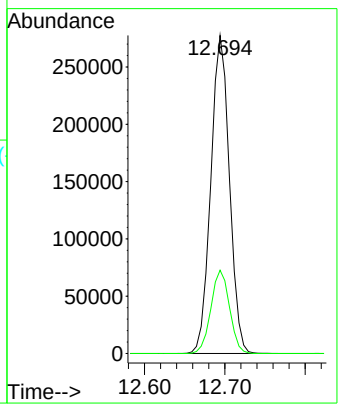


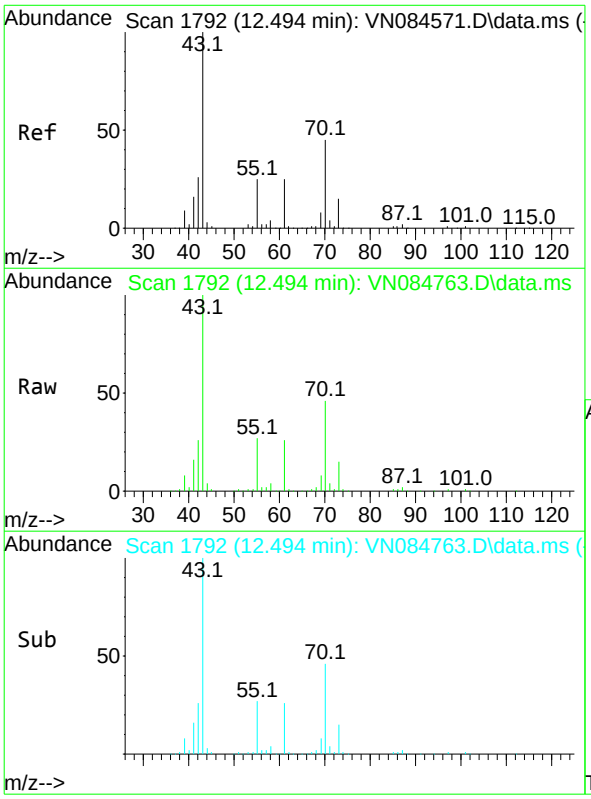
#73
Isopropylbenzene
Concen: 51.228 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 446708

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

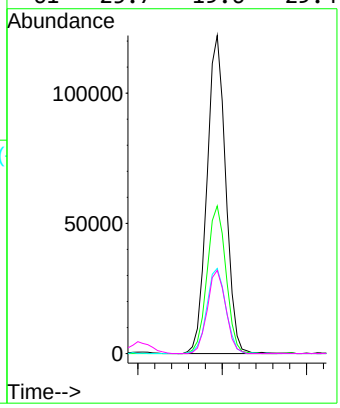


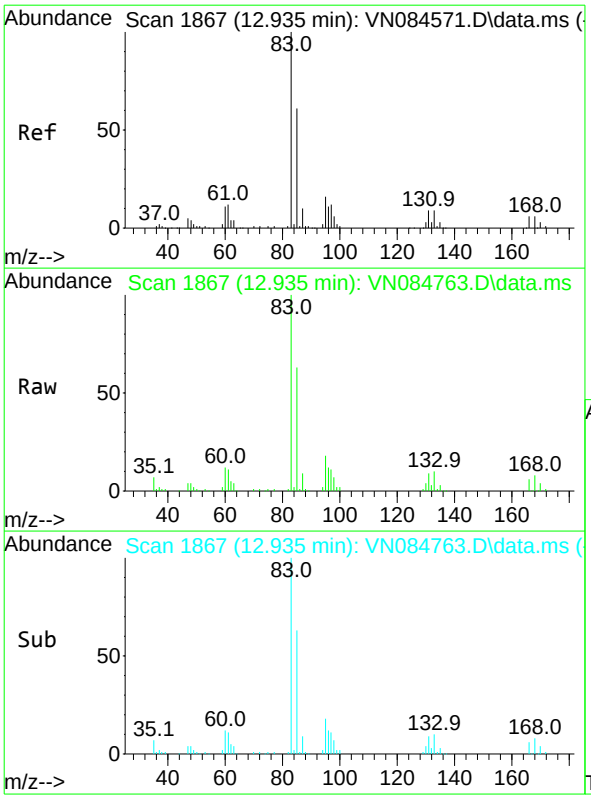


#74
N-amyl acetate
Concen: 50.722 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 43 Resp: 188248

Ion	Ratio	Lower	Upper
43	100		
70	46.8	34.4	51.6
55	27.2	19.6	29.4
61	25.7	19.6	29.4



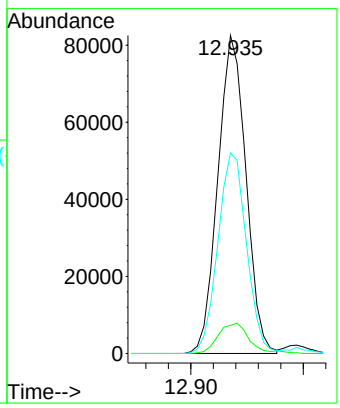


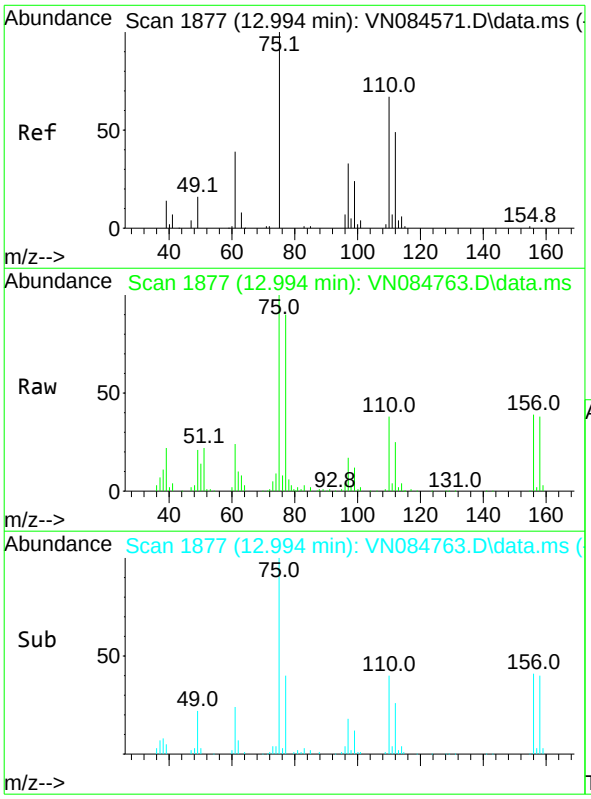
#75
1,1,2,2-Tetrachloroethane
Concen: 49.129 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 142997

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.7
85	64.2	31.9	95.7

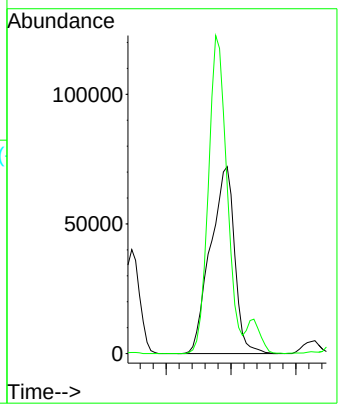


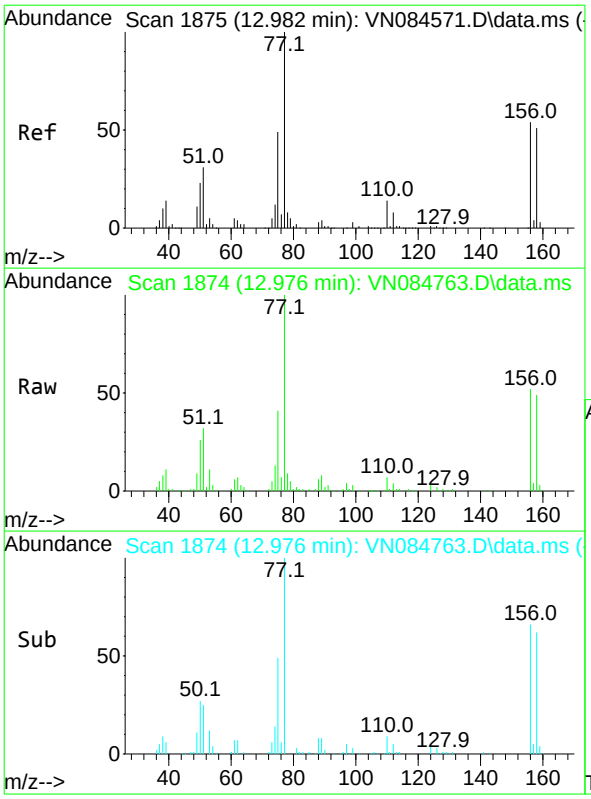


#76
1,2,3-Trichloropropane
Concen: 75.116 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 186841

Ion	Ratio	Lower	Upper
75	100		
77	130.2	96.9	290.7



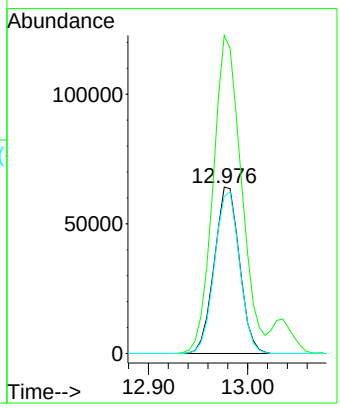


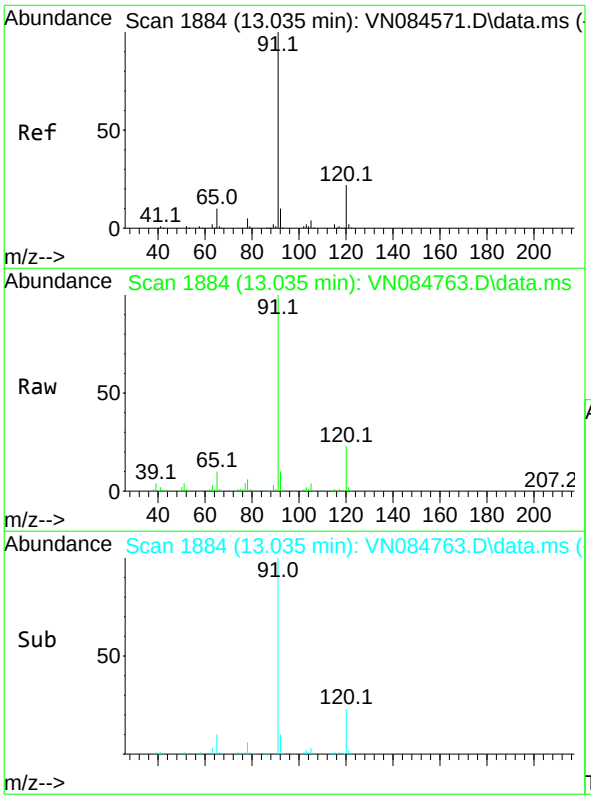
#77
Bromobenzene
Concen: 48.357 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 113359

Ion	Ratio	Lower	Upper
156	100		
77	214.5	115.1	345.3
158	96.3	48.9	146.8

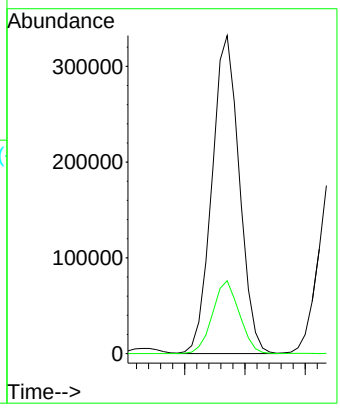


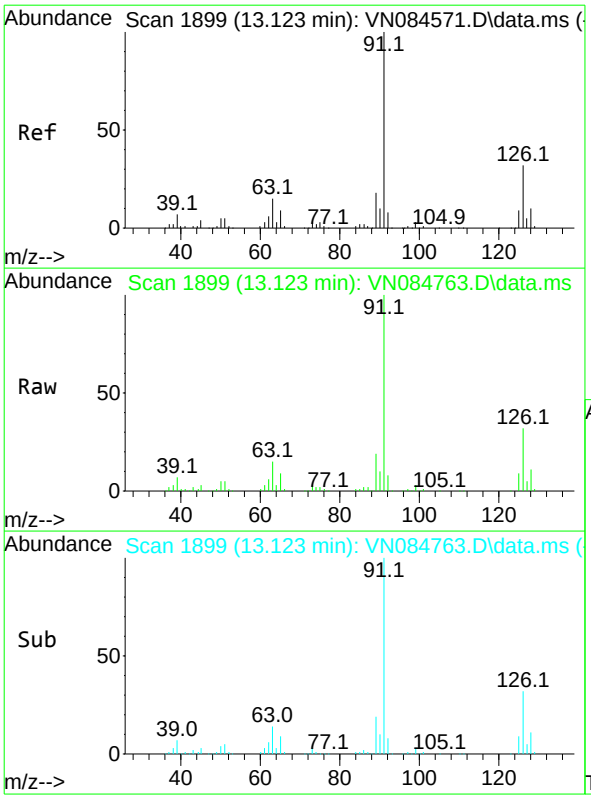


#78
n-propylbenzene
Concen: 51.358 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 524800

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



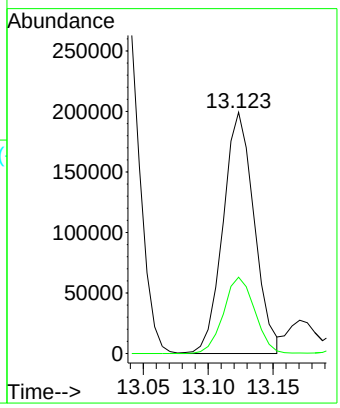


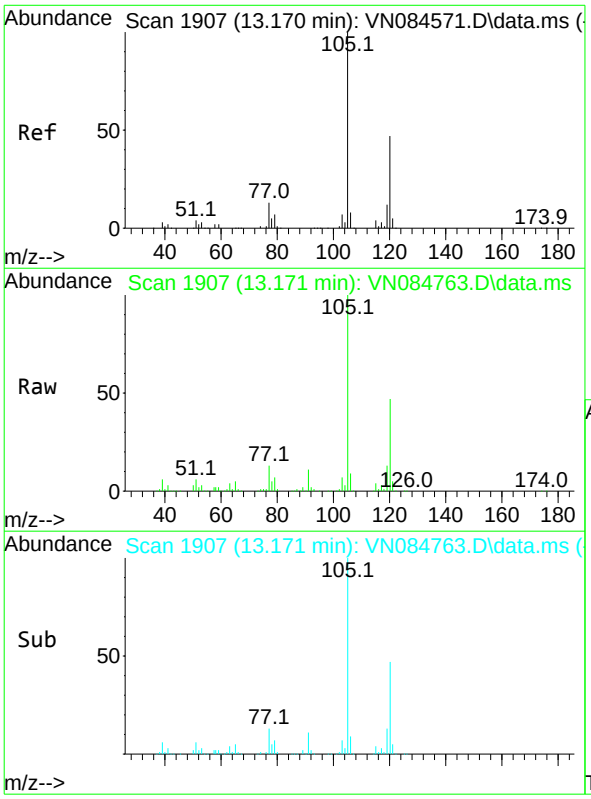
#79
2-Chlorotoluene
Concen: 49.979 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 333703

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

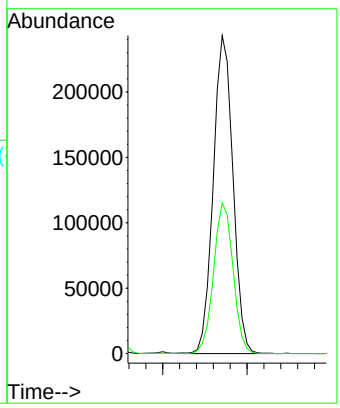


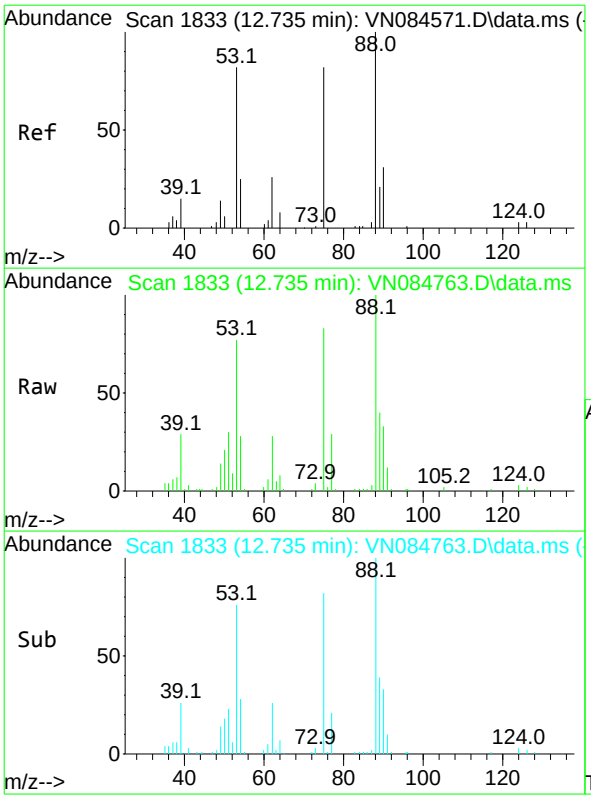


#80
1,3,5-Trimethylbenzene
Concen: 54.470 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 393675

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.7	71.1



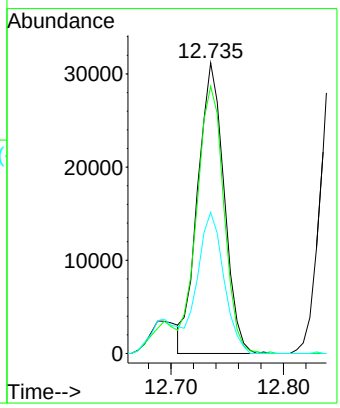


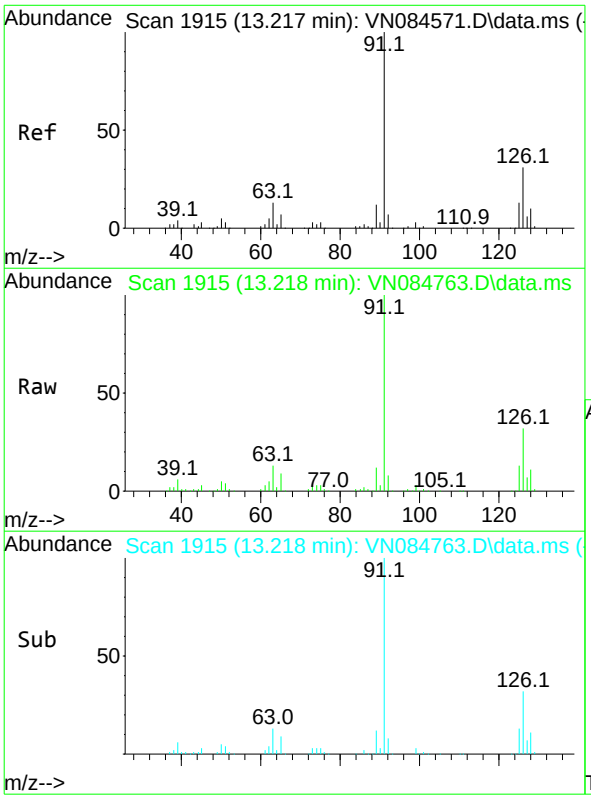
#81
trans-1,4-Dichloro-2-butene
Concen: 48.563 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 50917

Ion	Ratio	Lower	Upper
75	100		
53	93.8	78.0	117.0
89	47.5	35.5	53.3

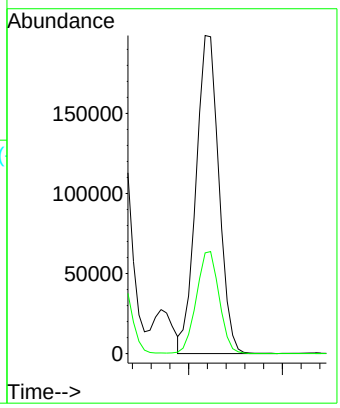


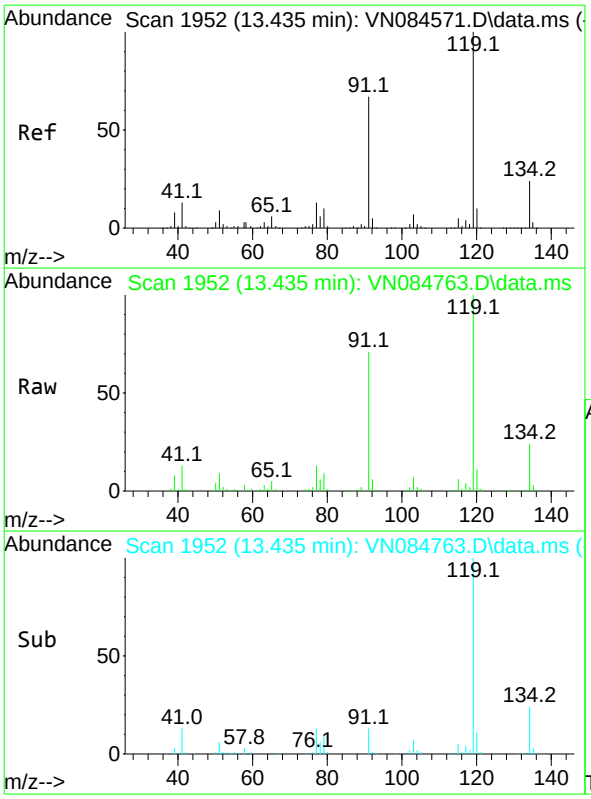


#82
4-Chlorotoluene
Concen: 47.812 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 91 Resp: 335959

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



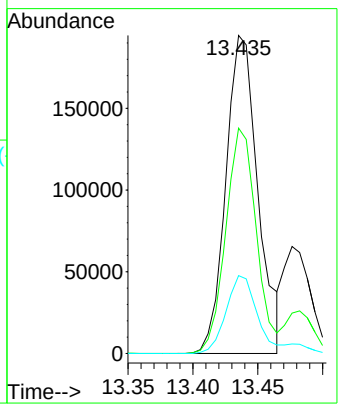


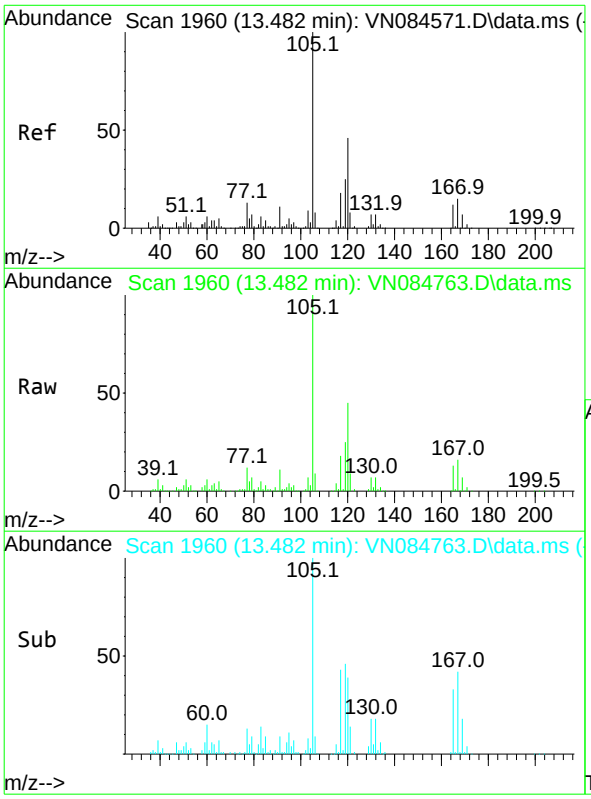
#83
tert-Butylbenzene
Concen: 56.018 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 335070

Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.1	102.3
134	23.8	12.8	38.4

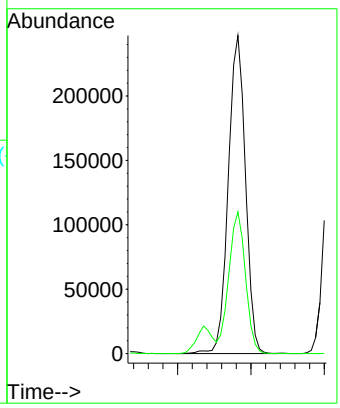


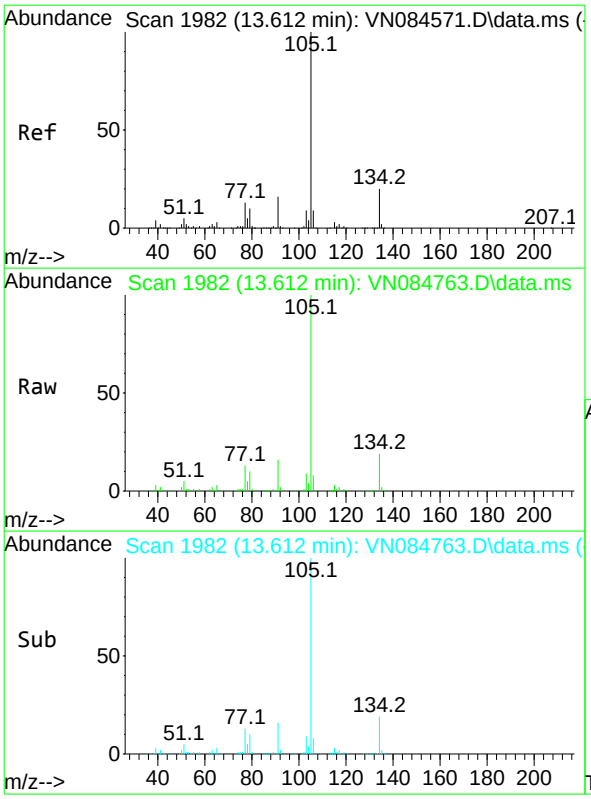


#84
1,2,4-Trimethylbenzene
Concen: 53.831 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:105 Resp: 401540

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.3	66.8



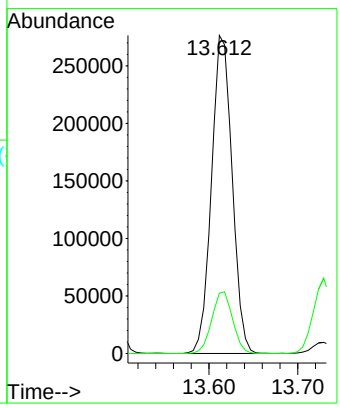


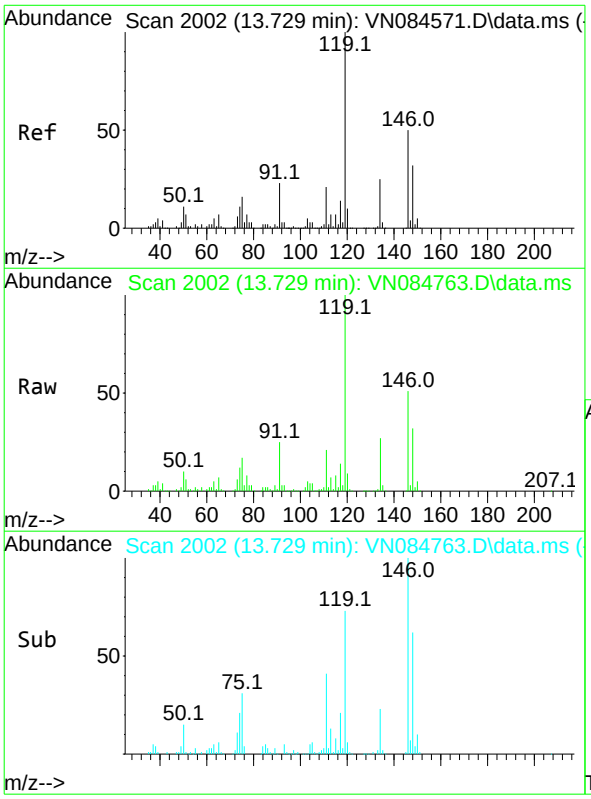
#85
sec-Butylbenzene
Concen: 52.893 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 446905

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

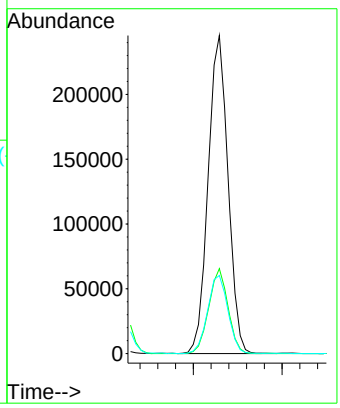


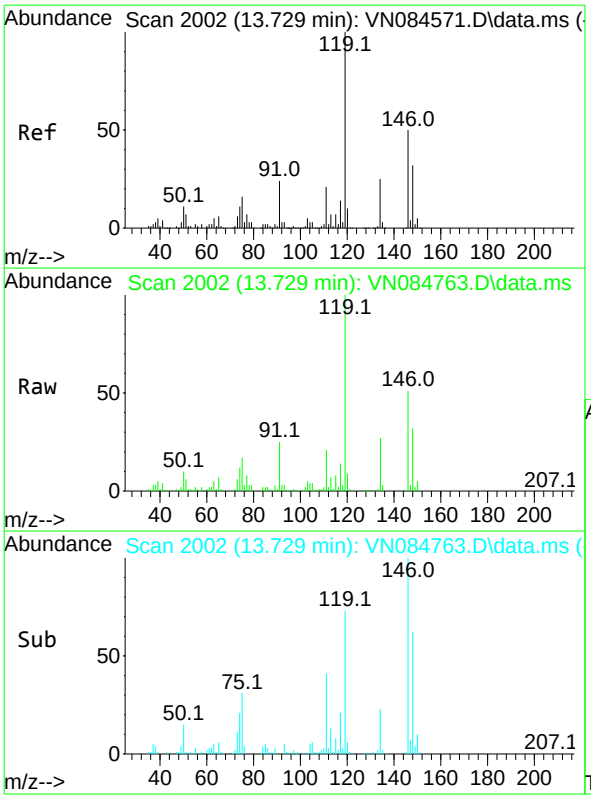


#86
p-Isopropyltoluene
Concen: 55.110 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:119 Resp: 381882

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.2	12.4	37.2



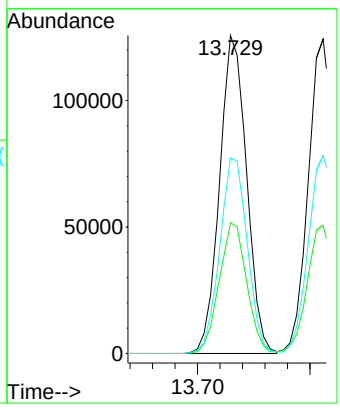


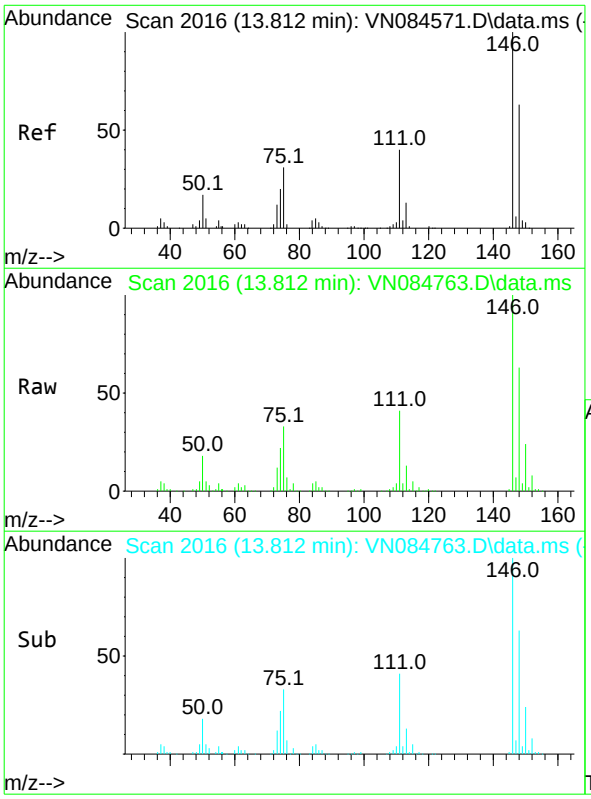
#87
1,3-Dichlorobenzene
Concen: 45.837 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 209698

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	63.0	31.9	95.7

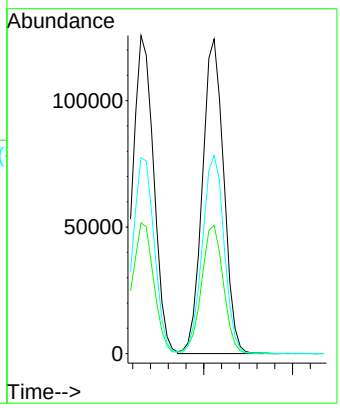


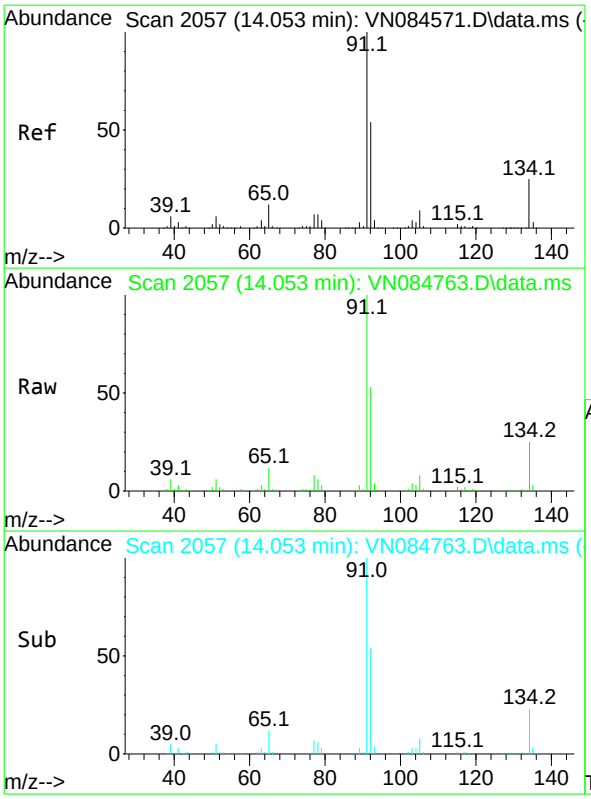


#88
1,4-Dichlorobenzene
Concen: 49.560 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:146 Resp: 207944

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.2	63.6
148	64.1	31.9	95.9



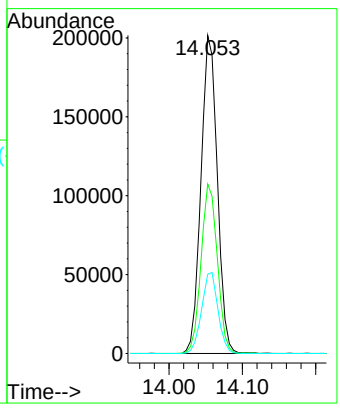


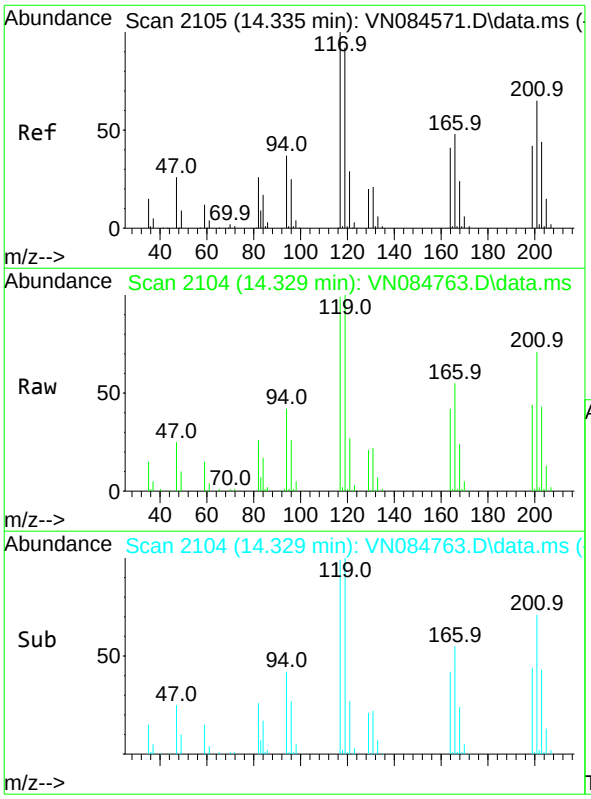
#89
n-Butylbenzene
Concen: 48.155 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 312135

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.5	12.3	36.9

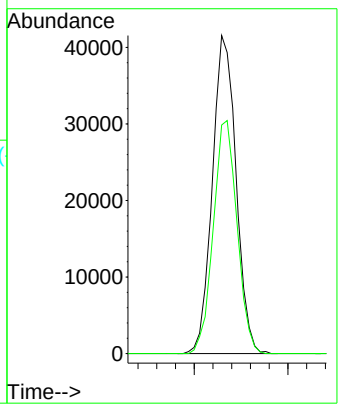


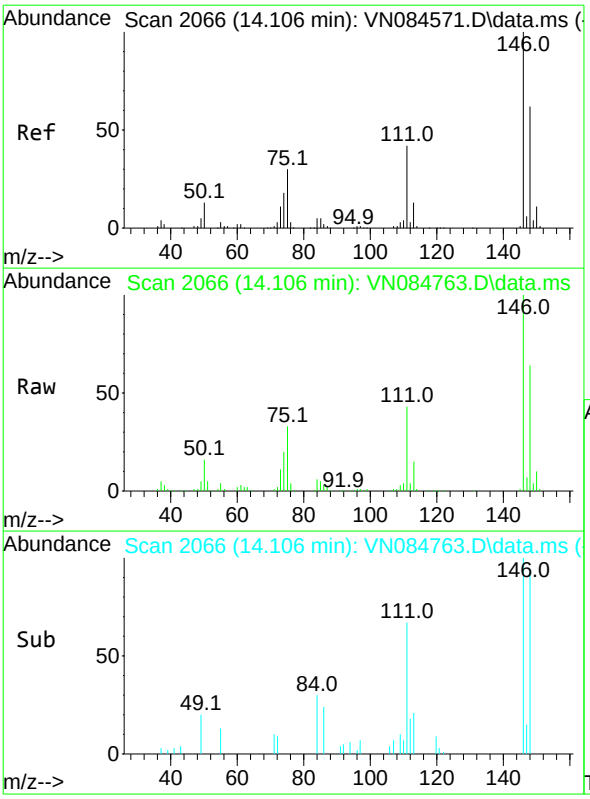


#90
Hexachloroethane
Concen: 47.297 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:117 Resp: 73088

Ion	Ratio	Lower	Upper
117	100		
201	73.3	34.4	103.2



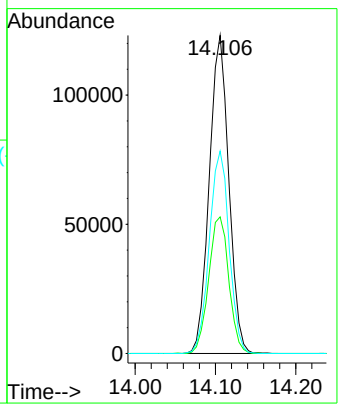


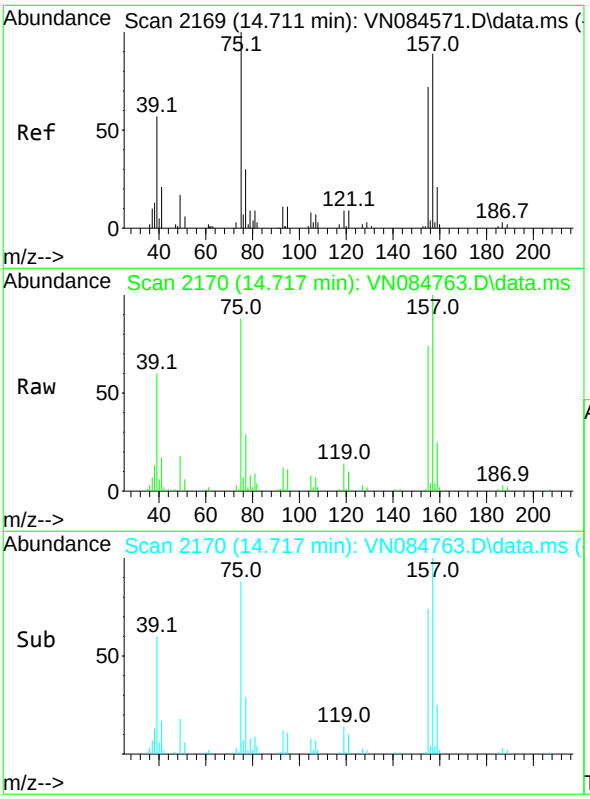
#91
1,2-Dichlorobenzene
Concen: 47.283 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 207866

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	64.5	32.1	96.3

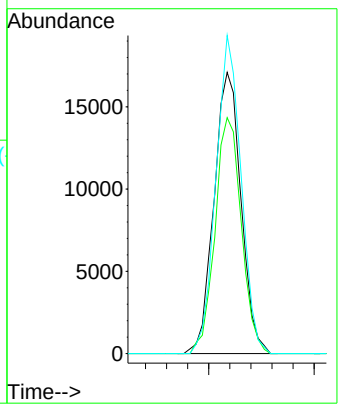


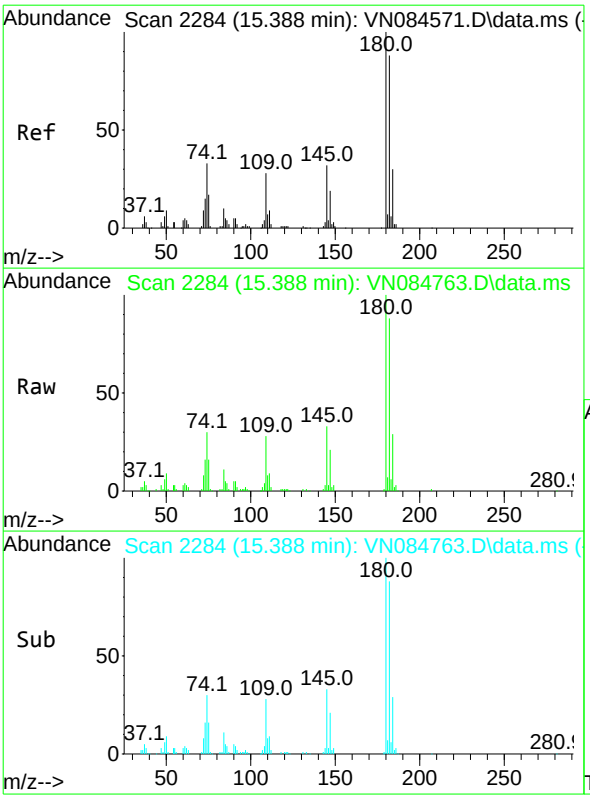


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.610 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion: 75 Resp: 30432

Ion	Ratio	Lower	Upper
75	100		
155	81.6	38.1	114.5
157	105.0	49.6	149.0



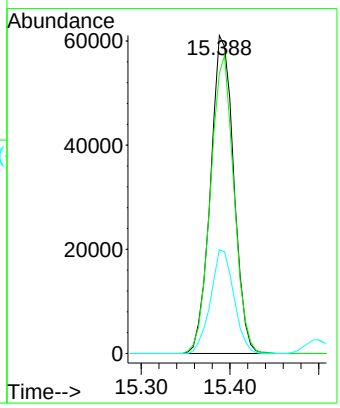


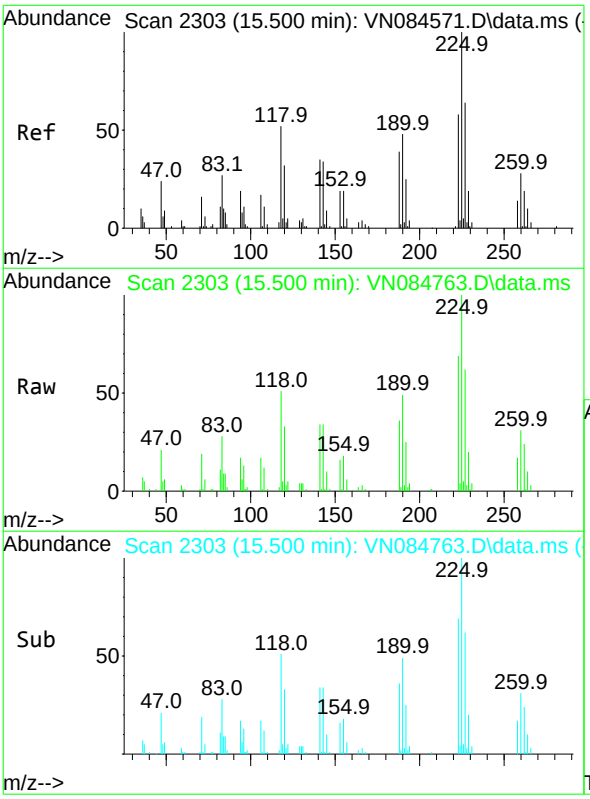
#93
1,2,4-Trichlorobenzene
Concen: 46.111 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 110955

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.0
145	32.7	16.4	49.4

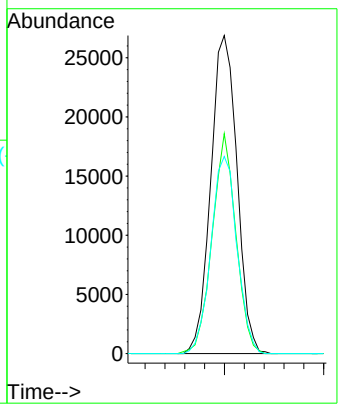


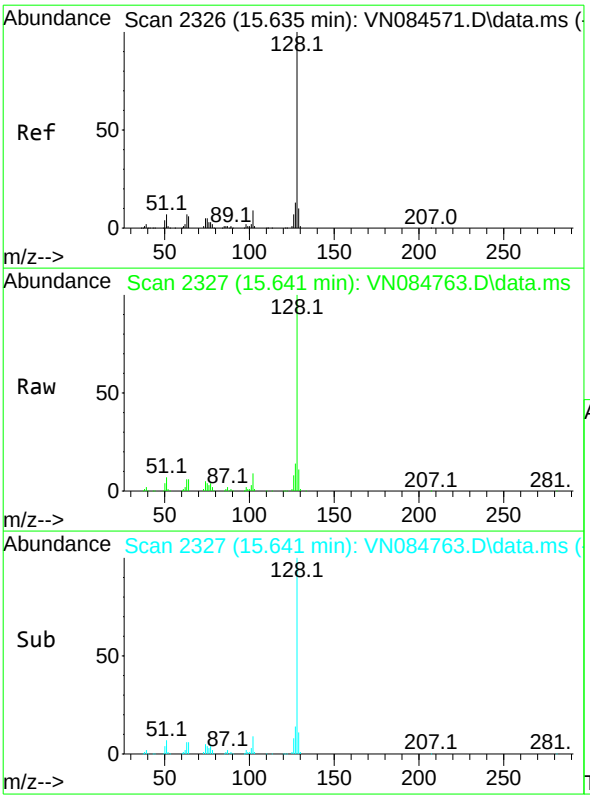


#94
Hexachlorobutadiene
Concen: 46.744 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:225 Resp: 49394

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.4	97.2
227	61.5	32.4	97.0



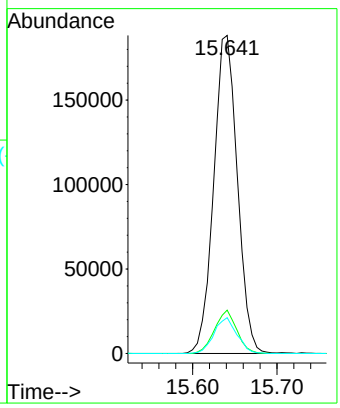


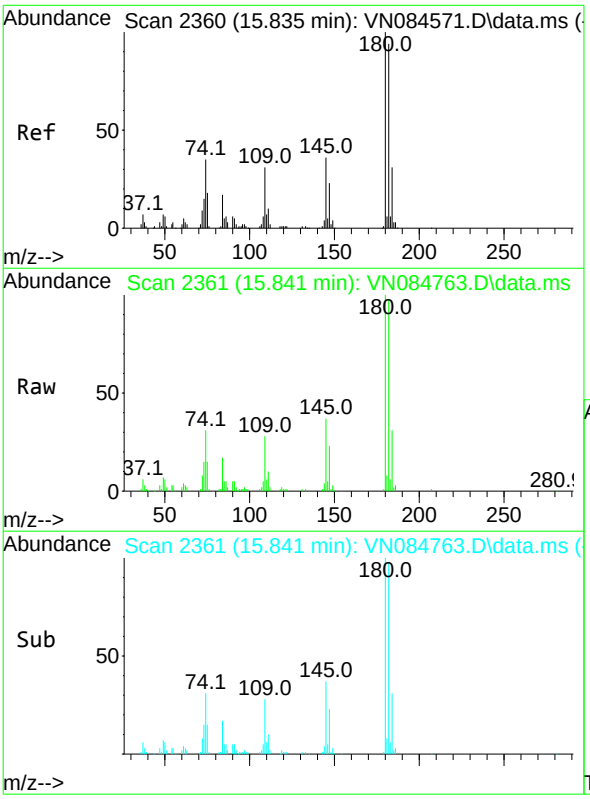
#95
Naphthalene
Concen: 50.979 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 367171

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.7	13.1

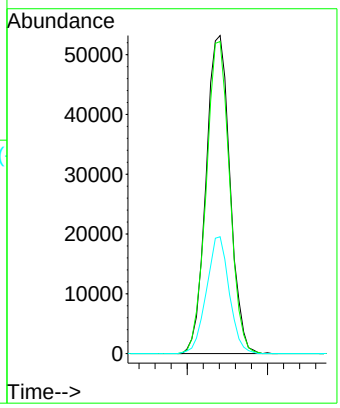




#96
1,2,3-Trichlorobenzene
Concen: 47.044 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084763.D
Acq: 11 Nov 2024 10:54

Tgt Ion:180 Resp: 109885

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	35.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Quant Time: Nov 21 04:42:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	101440	41.822	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.640%			
35) Dibromofluoromethane	8.165	113	83832	46.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.020%			
50) Toluene-d8	10.565	98	300387	44.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.520%			
62) 4-Bromofluorobenzene	12.847	95	117186	46.721	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	31118	16.119	ug/l	91
3) Chloromethane	2.359	50	32895	12.638	ug/l	99
4) Vinyl Chloride	2.512	62	31989	15.406	ug/l	97
5) Bromomethane	2.901	94	18435	16.757	ug/l	98
6) Chloroethane	3.071	64	21835	16.041	ug/l	96
7) Trichlorofluoromethane	3.471	101	57579	16.834	ug/l	96
8) Diethyl Ether	3.953	74	20121	16.676	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.353	101	33184	17.170	ug/l	97
10) Methyl Iodide	4.577	142	44513	17.233	ug/l #	83
11) Tert butyl alcohol	5.536	59	27067	84.542	ug/l #	89
12) 1,1-Dichloroethene	4.324	96	30844	16.128	ug/l	91
13) Acrolein	4.177	56	23863	74.746	ug/l	93
14) Allyl chloride	5.018	41	50354	16.236	ug/l	91
15) Acrylonitrile	5.718	53	76491	82.528	ug/l	99
16) Acetone	4.430	43	64503	90.240	ug/l	93
17) Carbon Disulfide	4.700	76	80517	13.672	ug/l	96
18) Methyl Acetate	5.024	43	40630	12.914	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	100798	17.196	ug/l	95
20) Methylene Chloride	5.265	84	36612	17.162	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	31234	15.906	ug/l	93
22) Diisopropyl ether	6.671	45	105182	17.068	ug/l	97
23) Vinyl Acetate	6.600	43	358872	84.444	ug/l	97
24) 1,1-Dichloroethane	6.559	63	62411	16.868	ug/l	98
25) 2-Butanone	7.483	43	97431	86.101	ug/l	99
26) 2,2-Dichloropropane	7.488	77	56410	17.517	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	39395	17.181	ug/l	94
28) Bromochloromethane	7.806	49	32939	22.346	ug/l	89
29) Tetrahydrofuran	7.835	42	61385	81.769	ug/l	94
30) Chloroform	7.965	83	66840	17.749	ug/l	98
31) Cyclohexane	8.253	56	50151	14.976	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	60929	17.776	ug/l	96
36) 1,1-Dichloropropene	8.365	75	43961	17.398	ug/l	98
37) Ethyl Acetate	7.559	43	39564	17.258	ug/l	98
38) Carbon Tetrachloride	8.359	117	53552	18.962	ug/l	94
39) Methylcyclohexane	9.600	83	44034	17.130	ug/l	93
40) Benzene	8.600	78	141800	17.475	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Quant Time: Nov 21 04:42:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23067	18.711 ug/l	98
42) 1,2-Dichloroethane	8.665	62	48176	18.332 ug/l	99
43) Isopropyl Acetate	8.688	43	72107	16.376 ug/l	97
44) Trichloroethene	9.353	130	32999	17.633 ug/l	99
45) 1,2-Dichloropropane	9.618	63	34052	17.889 ug/l	91
46) Dibromomethane	9.706	93	24530	18.263 ug/l	97
47) Bromodichloromethane	9.882	83	52398	18.506 ug/l	93
48) Methyl methacrylate	9.682	41	31523	17.668 ug/l	97
49) 1,4-Dioxane	9.694	88	12374	391.373 ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	203514	93.123 ug/l	98
52) Toluene	10.629	92	87522	18.442 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	49448	16.872 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	55849	18.005 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	33617	18.805 ug/l	97
56) Ethyl methacrylate	10.871	69	49258	19.049 ug/l	96
57) 1,3-Dichloropropane	11.165	76	56752	18.498 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	115516	95.469 ug/l	95
59) 2-Hexanone	11.194	43	150560	94.647 ug/l	98
60) Dibromochloromethane	11.359	129	39477	19.376 ug/l	96
61) 1,2-Dibromoethane	11.465	107	32346	17.669 ug/l	100
64) Tetrachloroethene	11.100	164	29143	18.391 ug/l	96
65) Chlorobenzene	11.888	112	94835	17.794 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35321	19.053 ug/l	98
67) Ethyl Benzene	11.965	91	158600	17.828 ug/l	97
68) m/p-Xylenes	12.071	106	125551	37.278 ug/l	96
69) o-Xylene	12.394	106	60323	19.146 ug/l	99
70) Styrene	12.412	104	99383	18.082 ug/l	99
71) Bromoform	12.576	173	26968	19.333 ug/l #	98
73) Isopropylbenzene	12.694	105	151056	17.513 ug/l	100
74) N-amyl acetate	12.494	43	59614	16.239 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	48794	16.948 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	61469	24.984 ug/l	60
77) Bromobenzene	12.976	156	38355	16.541 ug/l	94
78) n-propylbenzene	13.035	91	175156	17.330 ug/l	98
79) 2-Chlorotoluene	13.123	91	114478	17.334 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	131426	18.384 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16387	15.801 ug/l	96
82) 4-Chlorotoluene	13.217	91	114060	16.411 ug/l	98
83) tert-Butylbenzene	13.435	119	112196	18.963 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	134030	18.166 ug/l	98
85) sec-Butylbenzene	13.617	105	147689	17.672 ug/l	100
86) p-Isopropyltoluene	13.729	119	123092	17.959 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	73601	16.265 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	72855	16.823 ug/l	99
89) n-Butylbenzene	14.053	91	100465	15.670 ug/l	98
90) Hexachloroethane	14.329	117	25635	16.771 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	72406	16.651 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9684	16.604 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	33879	14.234 ug/l	94
94) Hexachlorobutadiene	15.500	225	15881	15.194 ug/l	96
95) Naphthalene	15.641	128	102086	14.330 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	33780	14.621 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Quant Time: Nov 21 04:42:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

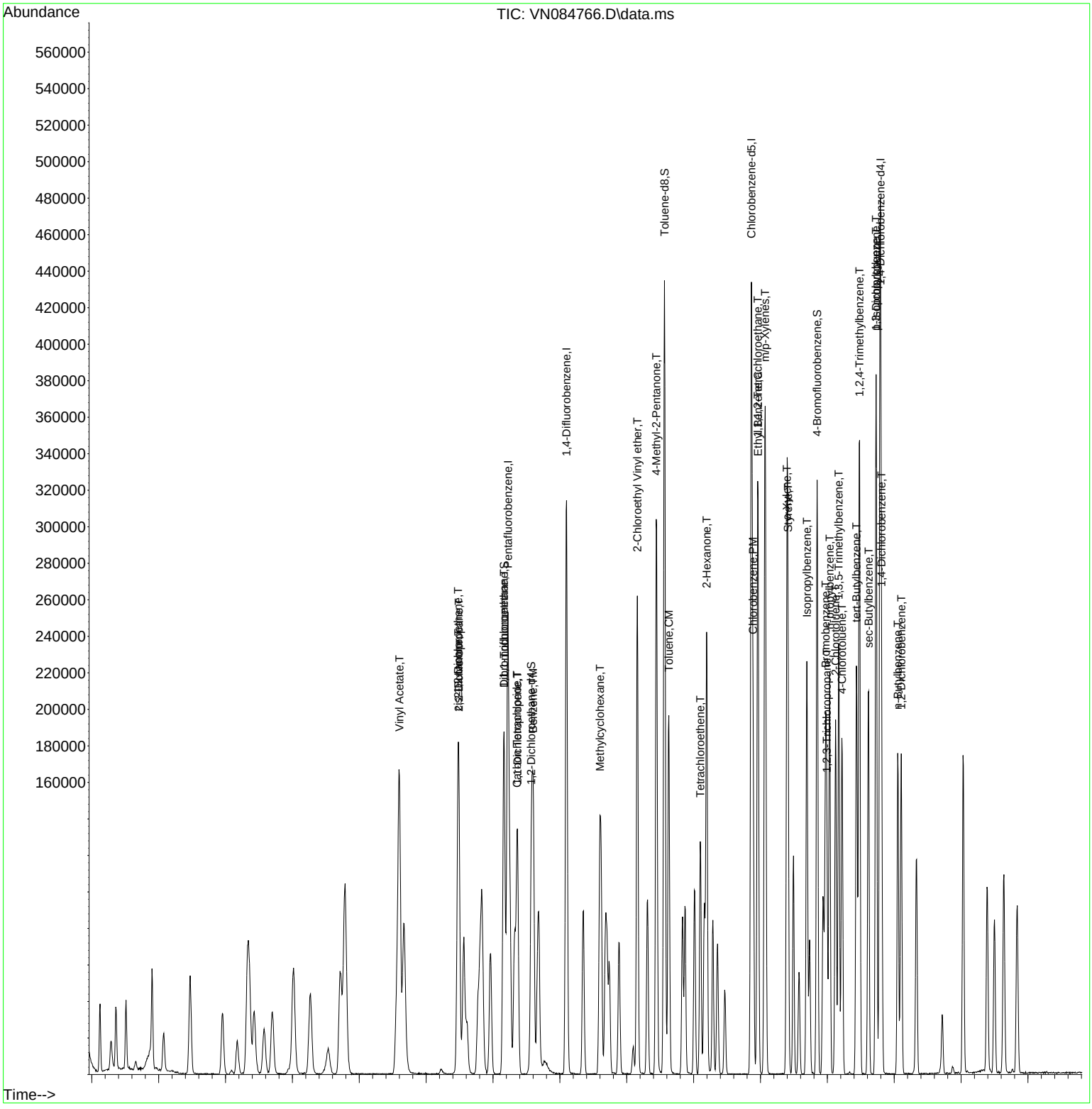
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

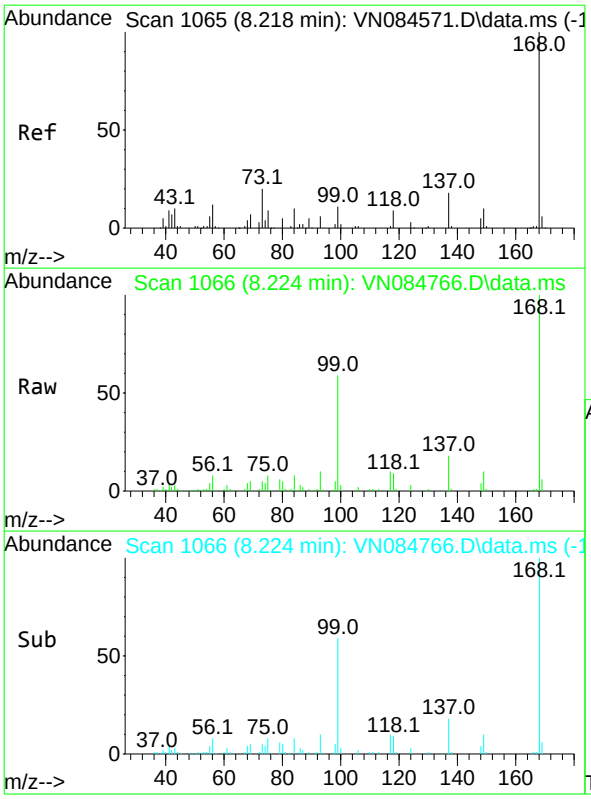
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084766.D
Acq On : 11 Nov 2024 12:54
Operator : JC\MD
Sample : VN1111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Quant Time: Nov 21 04:42:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



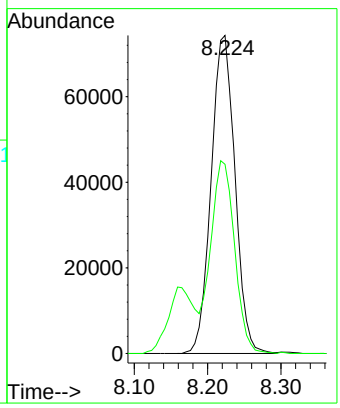


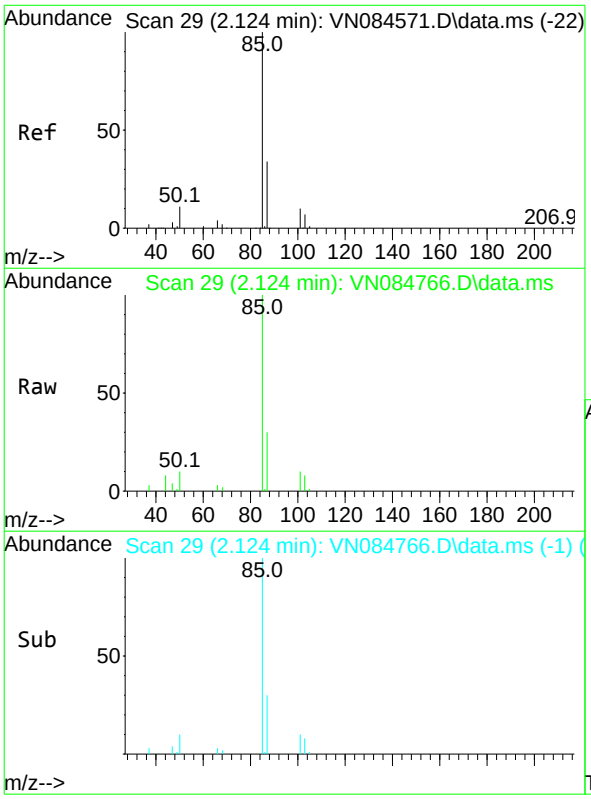
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:168 Resp: 167933

Ion	Ratio	Lower	Upper
168	100		
99	59.5	54.2	81.2

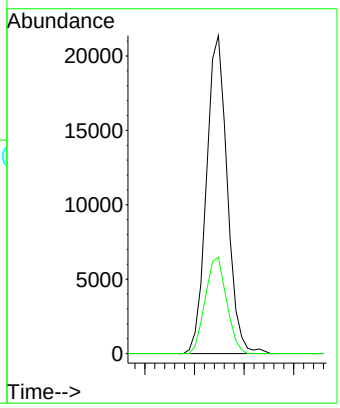


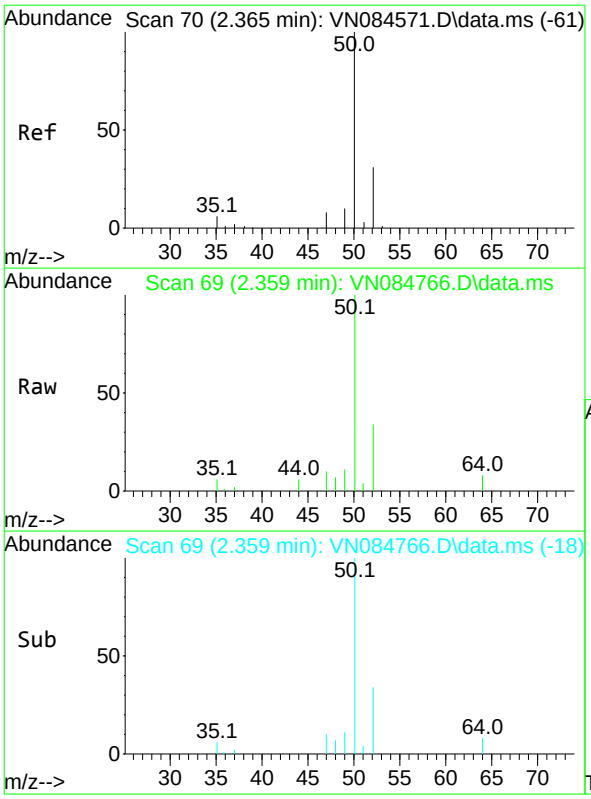


#2
Dichlorodifluoromethane
Concen: 16.119 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 85 Resp: 31118

Ion	Ratio	Lower	Upper
85	100		
87	30.3	17.6	52.9



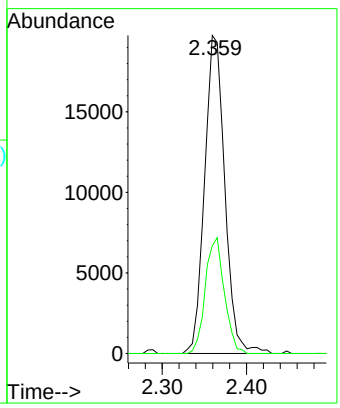


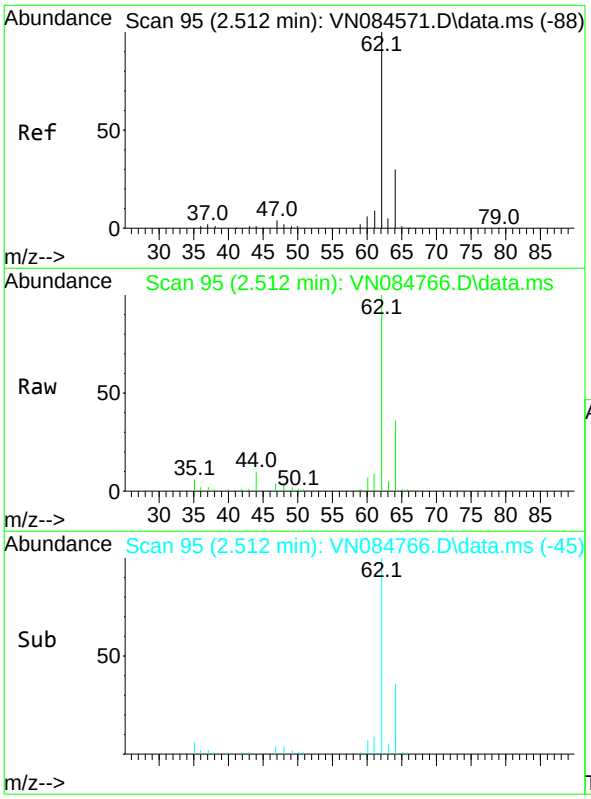
#3
Chloromethane
Concen: 12.638 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 50 Resp: 32895

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.8	40.2

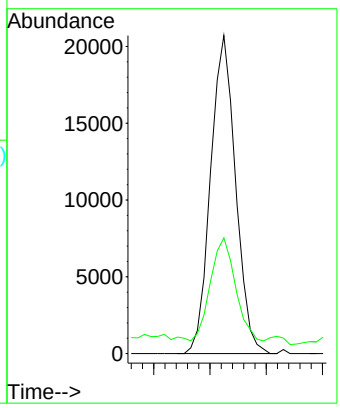


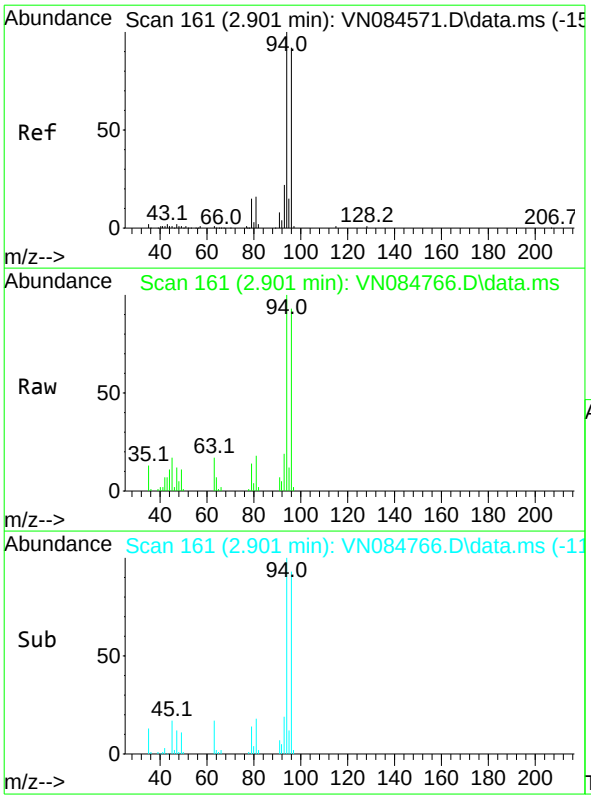


#4
Vinyl Chloride
Concen: 15.406 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 62 Resp: 31989

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.4



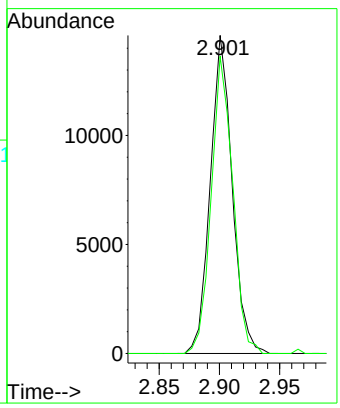


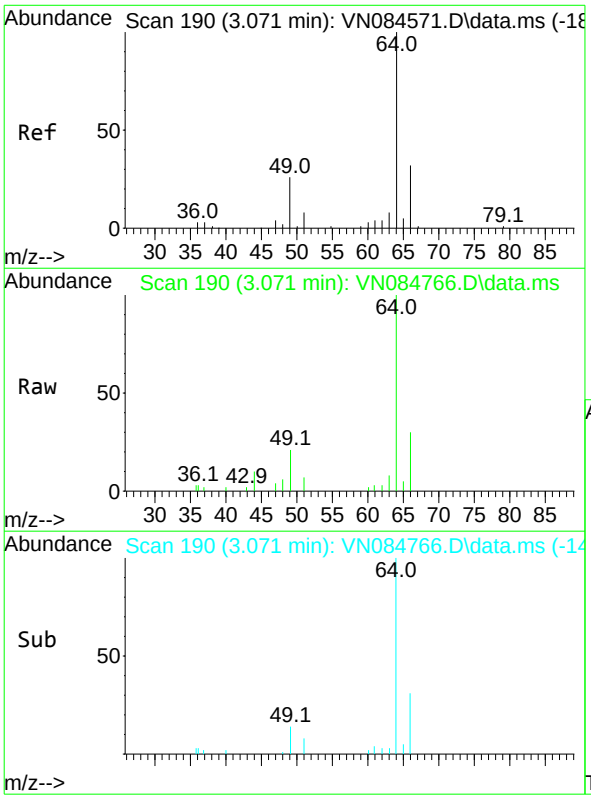
#5
Bromomethane
Concen: 16.757 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 94 Resp: 18435

Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.9	109.3

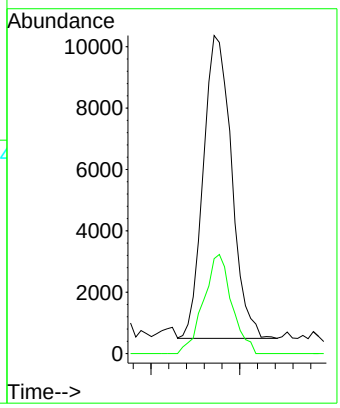


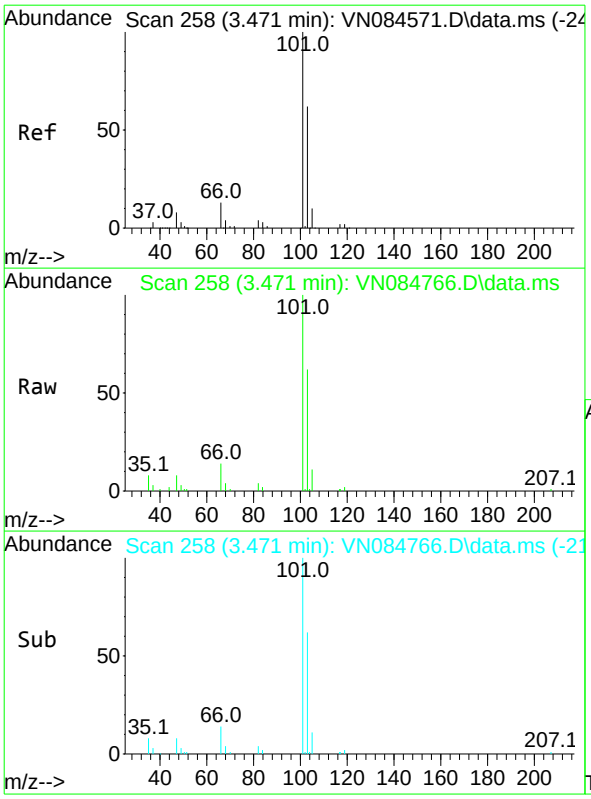


#6
Chloroethane
Concen: 16.041 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 64 Resp: 21835

Ion	Ratio	Lower	Upper
64	100		
66	31.3	23.5	35.3



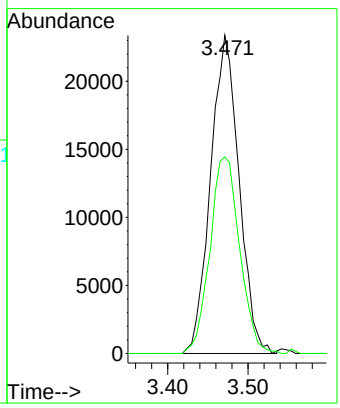


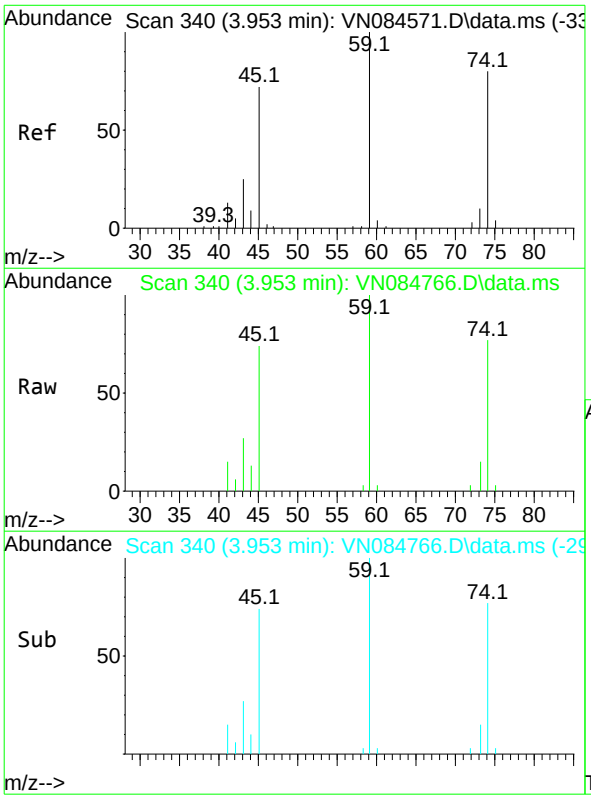
#7
Trichlorofluoromethane
Concen: 16.834 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:101 Resp: 57579

Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.8	77.6

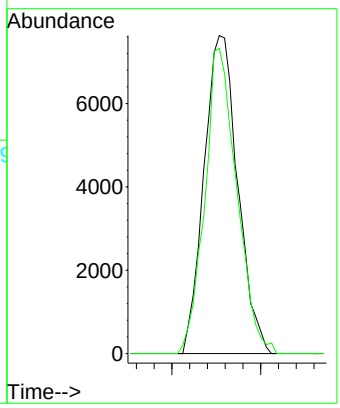


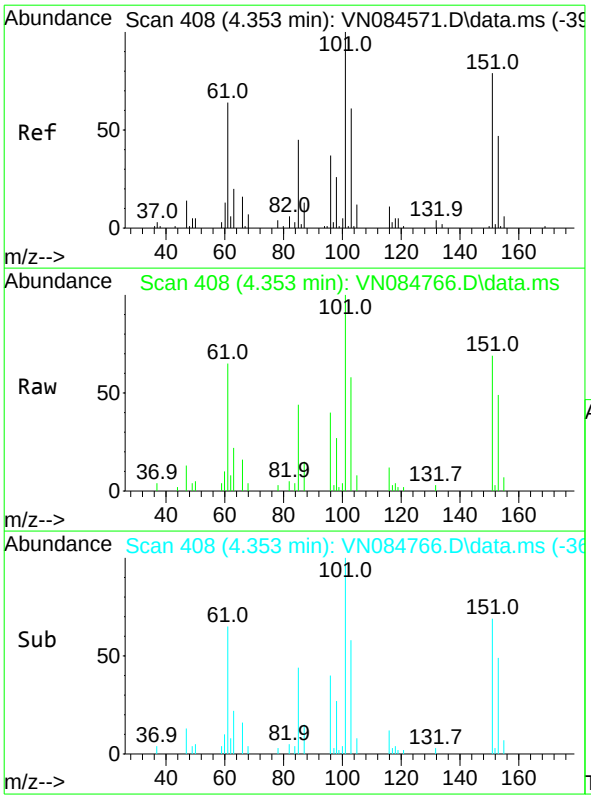


#8
Diethyl Ether
Concen: 16.676 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 74 Resp: 20121

Ion	Ratio	Lower	Upper
74	100		
45	91.1	47.7	143.1



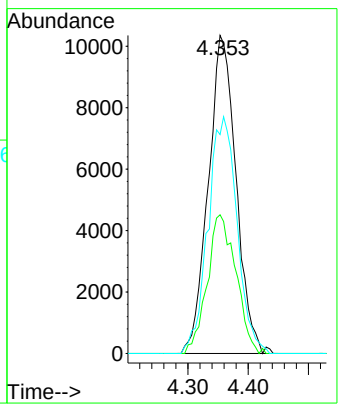


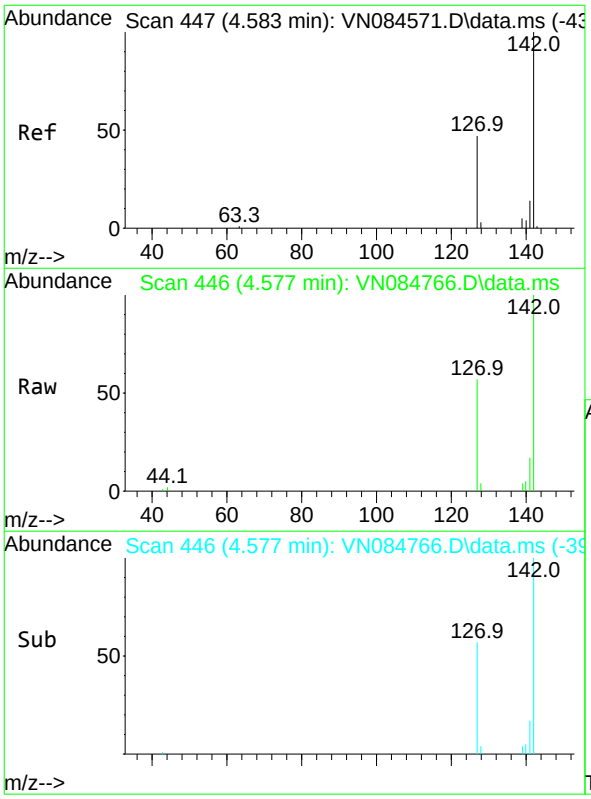
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.170 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:101 Resp: 33184

Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.2	54.4
151	78.0	59.3	88.9

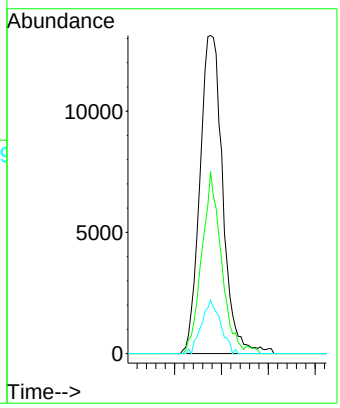


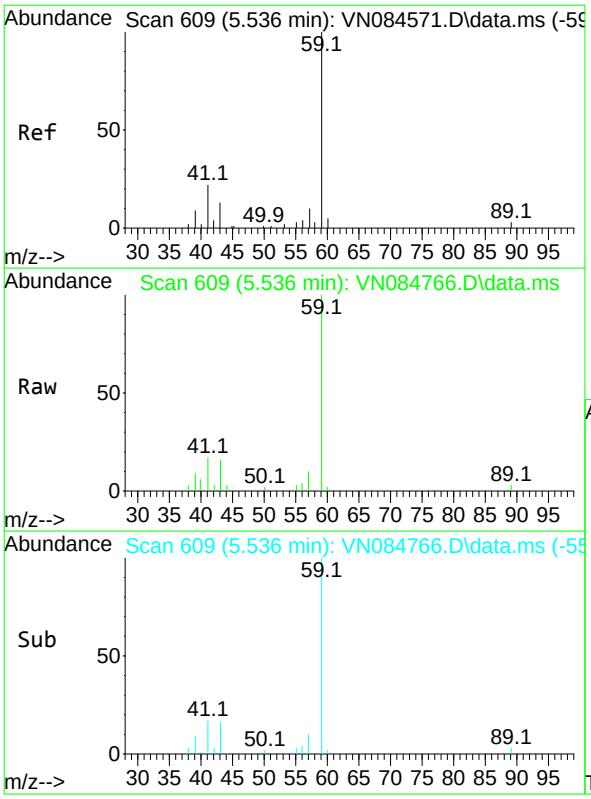


#10
Methyl Iodide
Concen: 17.233 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:142 Resp: 44513

Ion	Ratio	Lower	Upper
142	100		
127	57.2	35.3	52.9#
141	16.8	11.0	16.6#



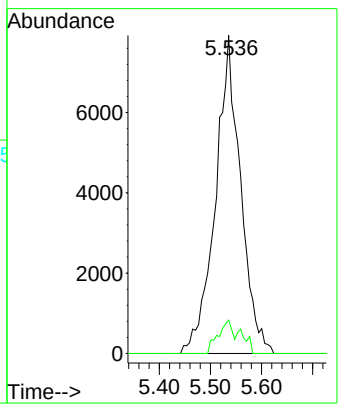


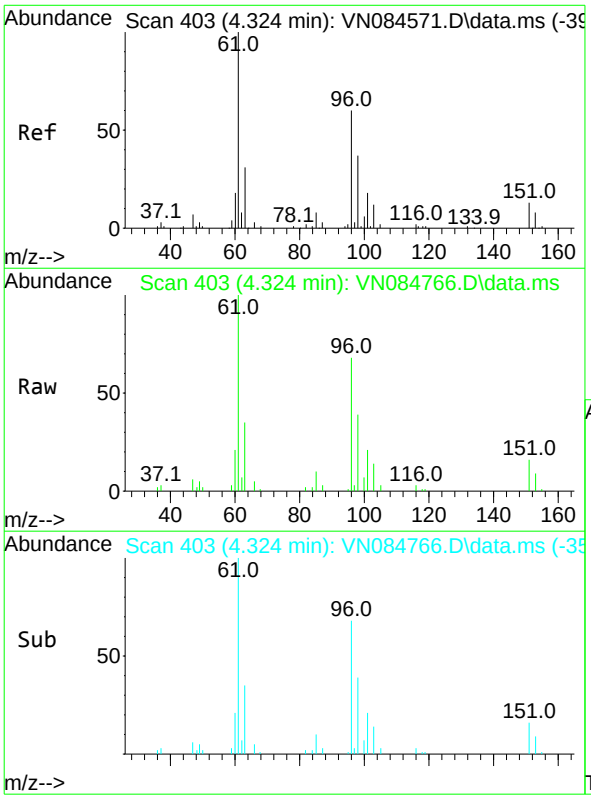
#11
Tert butyl alcohol
Concen: 84.542 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 59 Resp: 27067

Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.2	12.2#

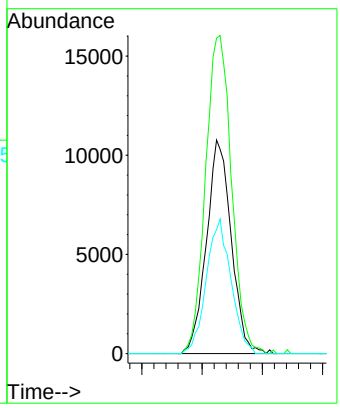


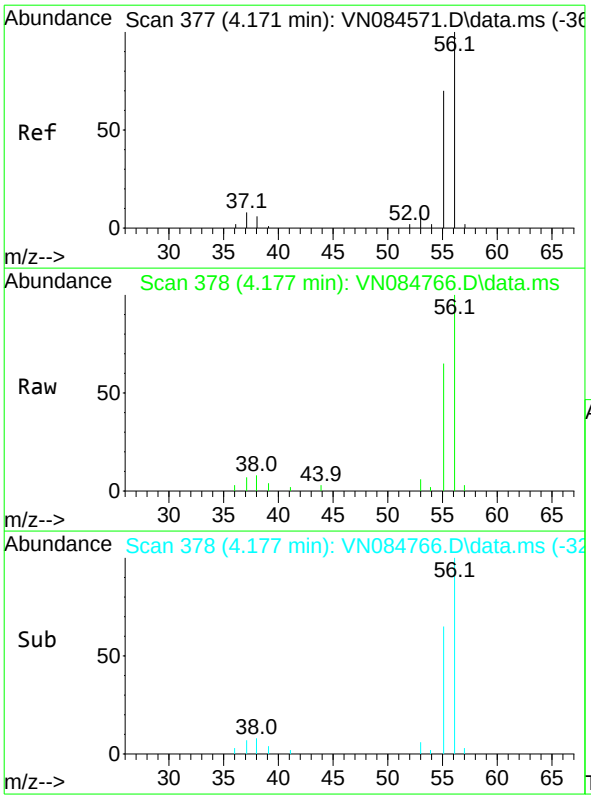


#12
1,1-Dichloroethene
Concen: 16.128 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 96 Resp: 30844

Ion	Ratio	Lower	Upper
96	100		
61	147.7	128.6	192.8
98	58.0	51.7	77.5



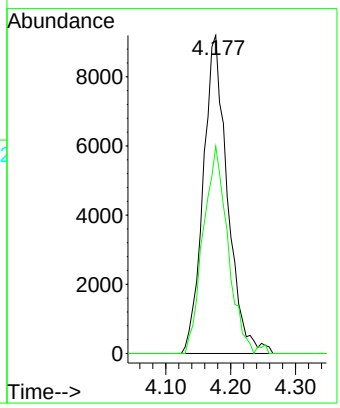


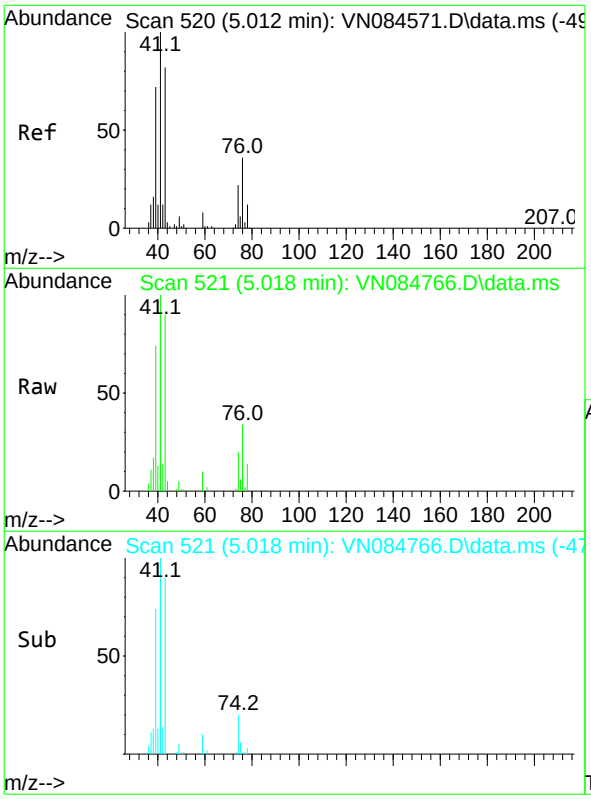
#13
Acrolein
Concen: 74.746 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 56 Resp: 23863

Ion	Ratio	Lower	Upper
56	100		
55	66.0	57.2	85.8

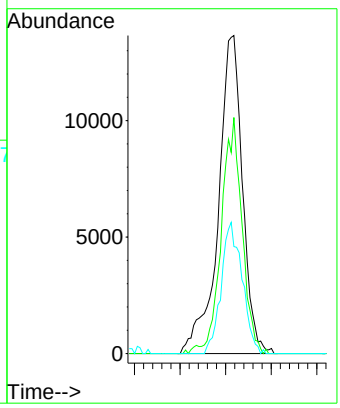


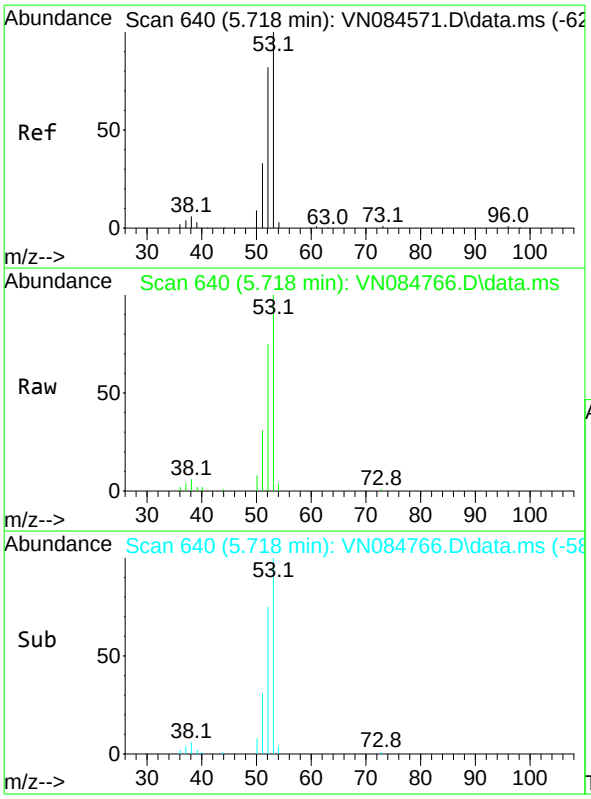


#14
Allyl chloride
Concen: 16.236 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 41 Resp: 50354

Ion	Ratio	Lower	Upper
41	100		
39	63.5	59.0	88.6
76	35.6	29.8	44.6



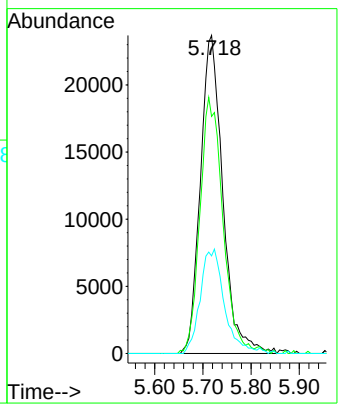


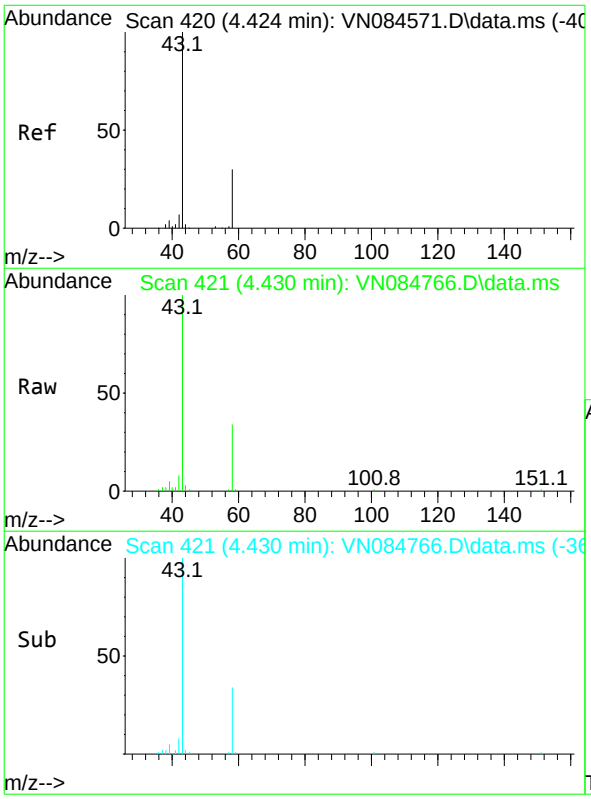
#15
Acrylonitrile
Concen: 82.528 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 53 Resp: 76491

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.1	28.8	43.2

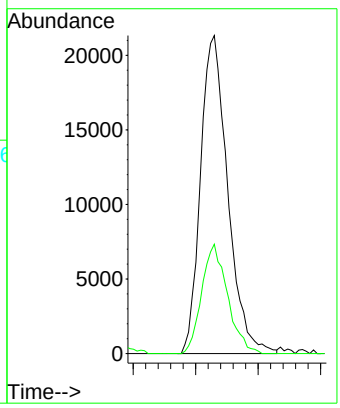


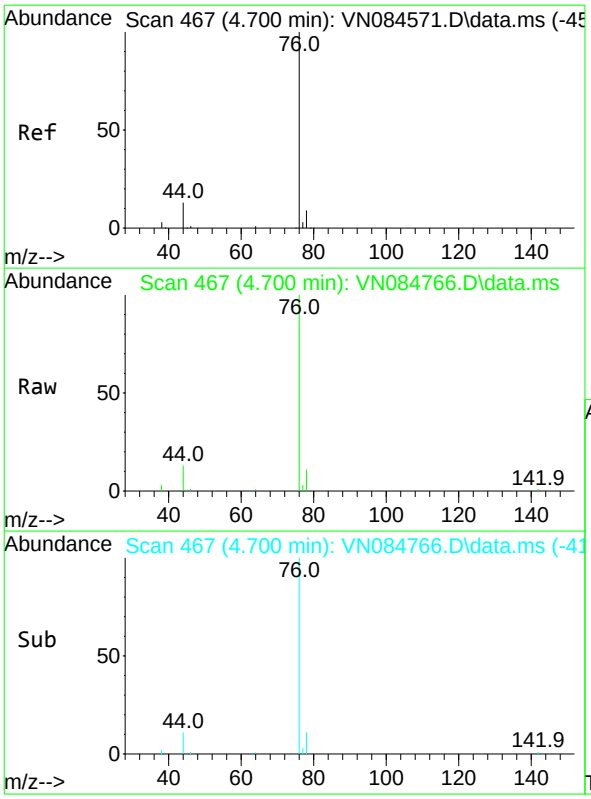


#16
Acetone
Concen: 90.240 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 64503

Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.4	36.6



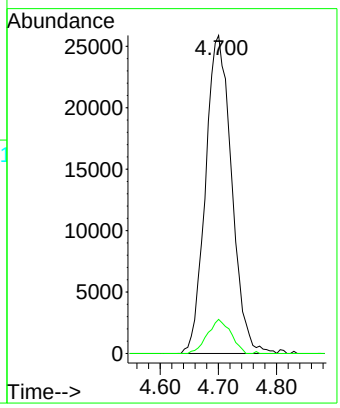


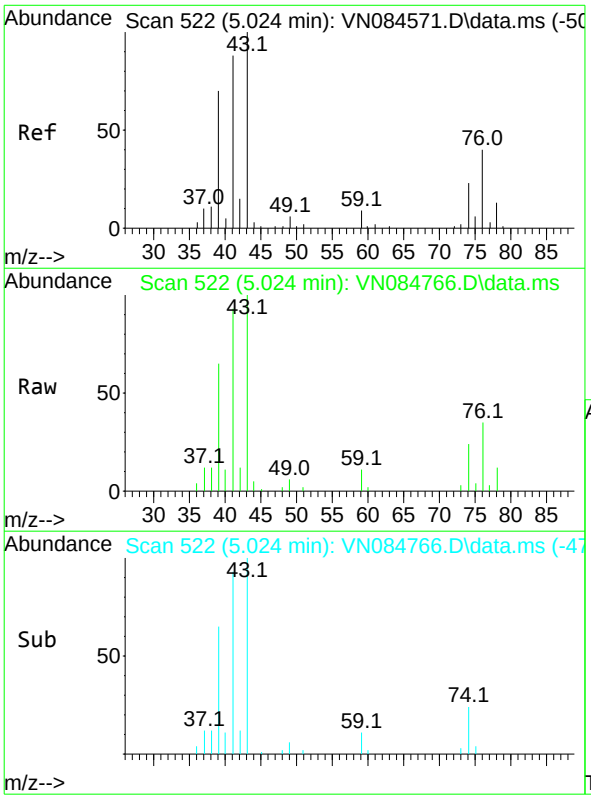
#17
Carbon Disulfide
Concen: 13.672 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 76 Resp: 80517

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.3	10.9

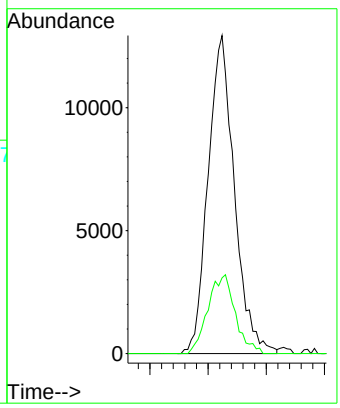


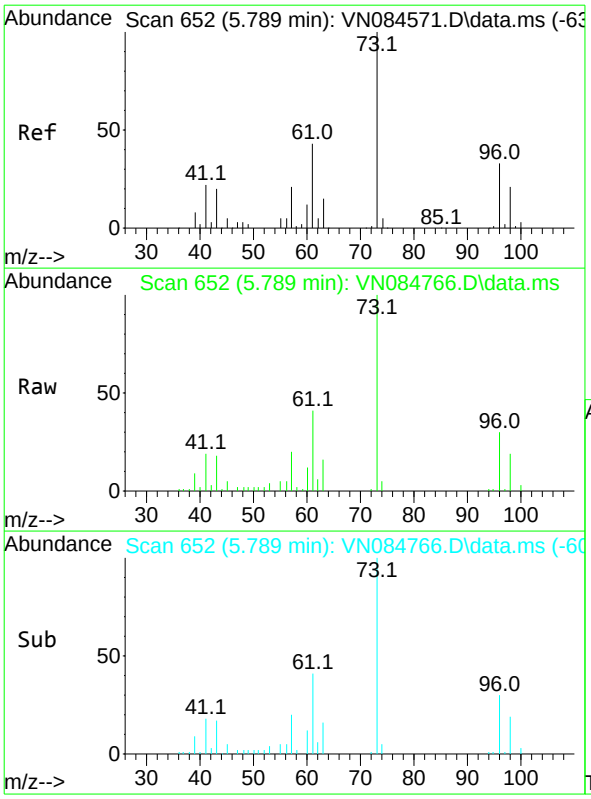


#18
Methyl Acetate
Concen: 12.914 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 40630

Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.2	28.8



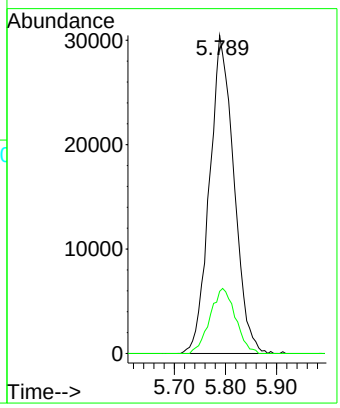


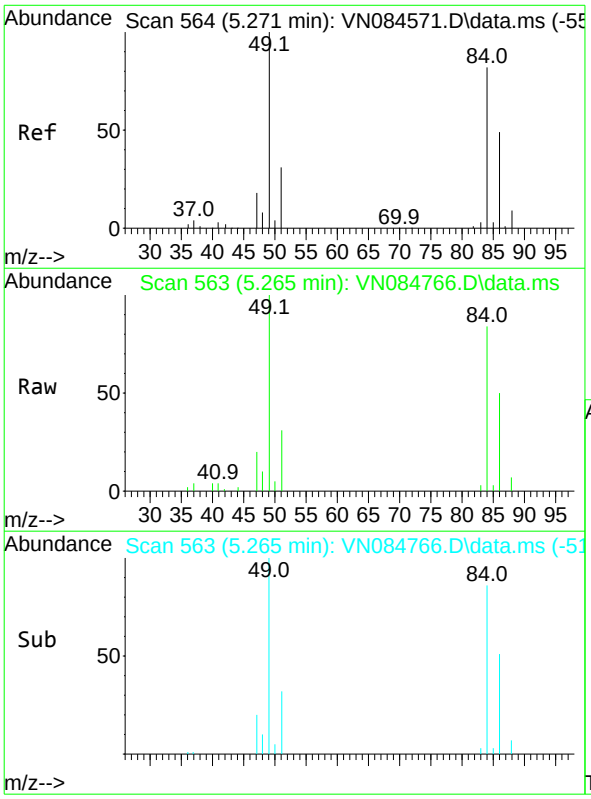
#19
Methyl tert-butyl Ether
Concen: 17.196 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 73 Resp: 100798

Ion	Ratio	Lower	Upper
73	100		
57	19.5	17.7	26.5

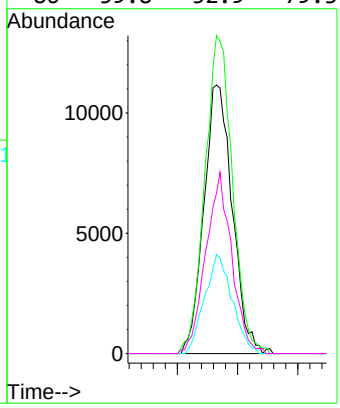


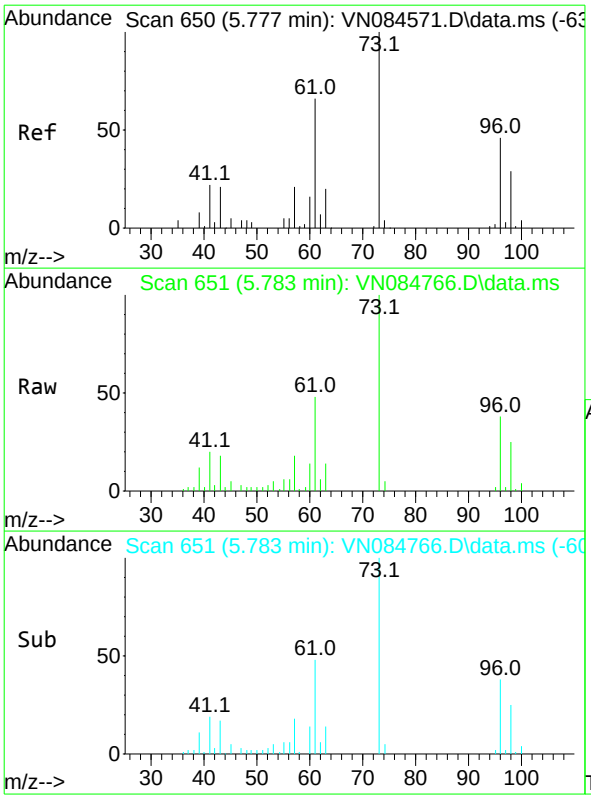


#20
Methylene Chloride
Concen: 17.162 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 84 Resp: 36612

Ion	Ratio	Lower	Upper
84	100		
49	118.5	107.2	160.8
51	36.9	31.8	47.8
86	59.8	52.9	79.3



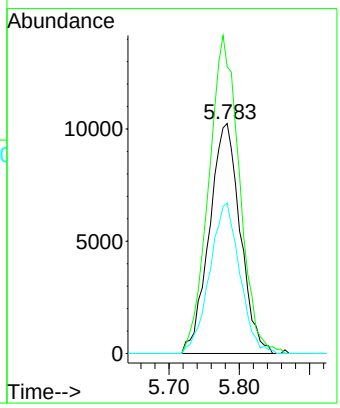


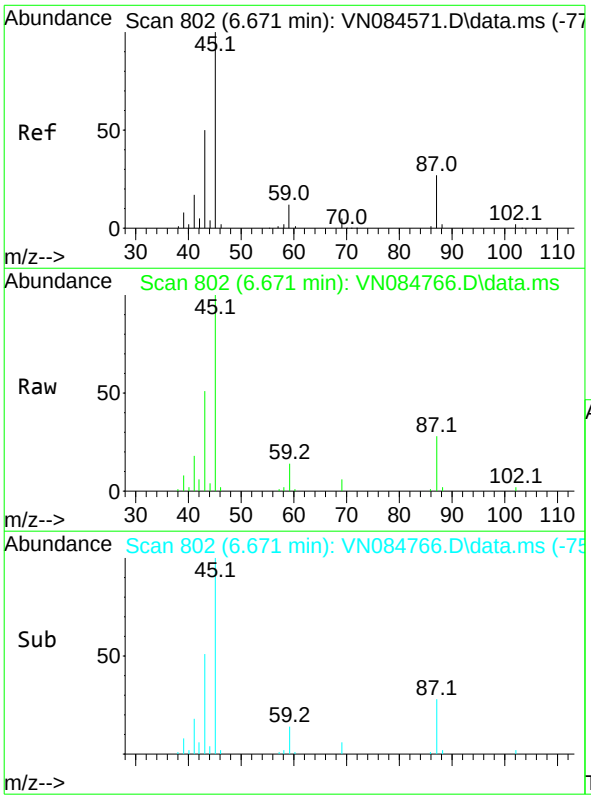
#21
trans-1,2-Dichloroethene
Concen: 15.906 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 96 Resp: 31234

Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	65.4	49.8	74.8

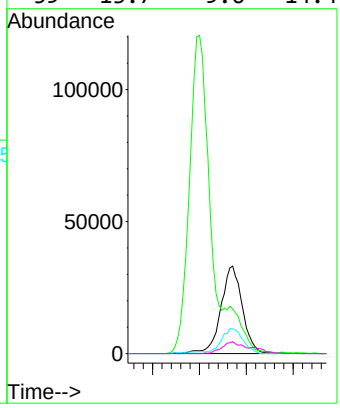


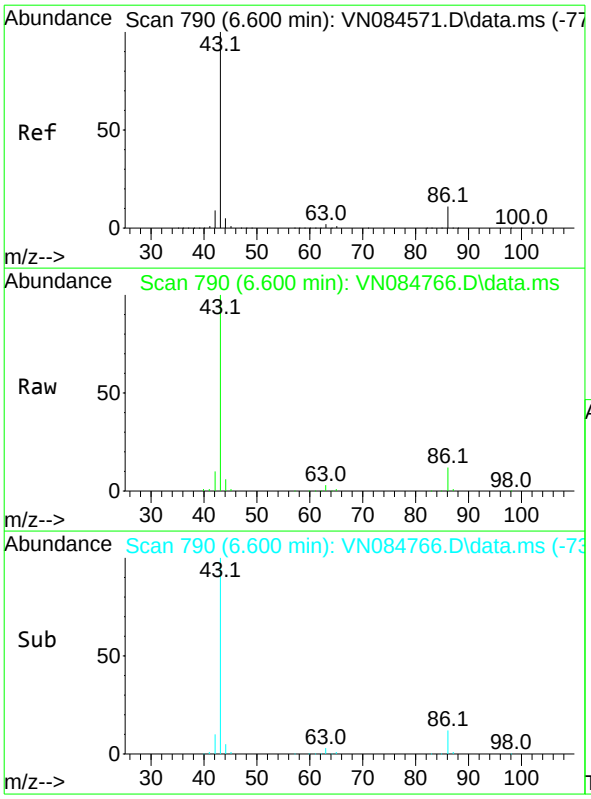


#22
Diisopropyl ether
Concen: 17.068 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 45 Resp: 105182

Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.3	63.5
87	28.2	21.8	32.6
59	13.7	9.6	14.4



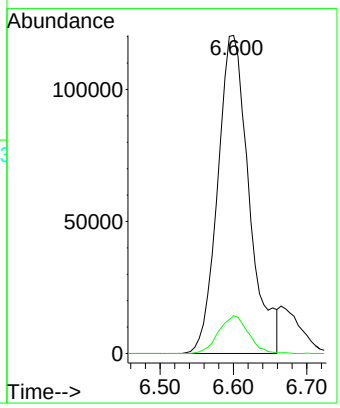


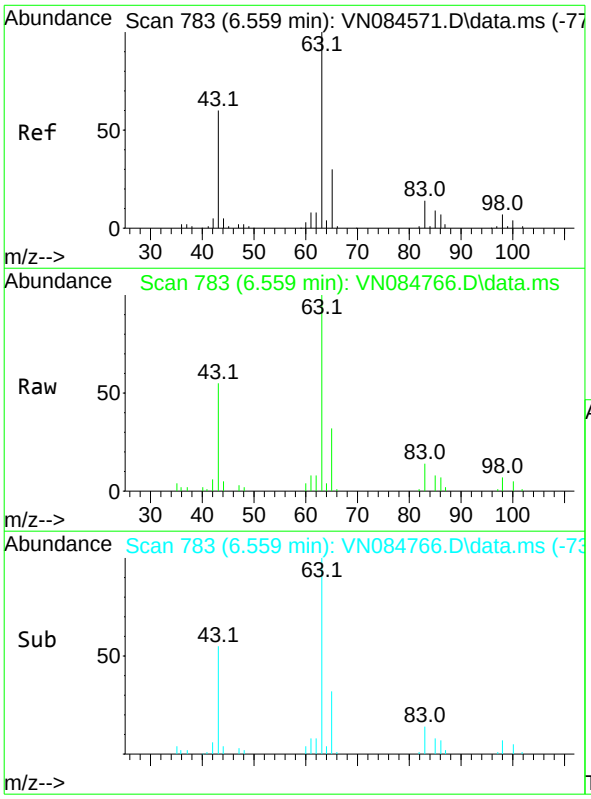
#23
Vinyl Acetate
Concen: 84.444 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 358872

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

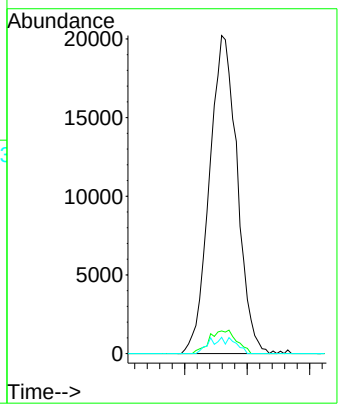


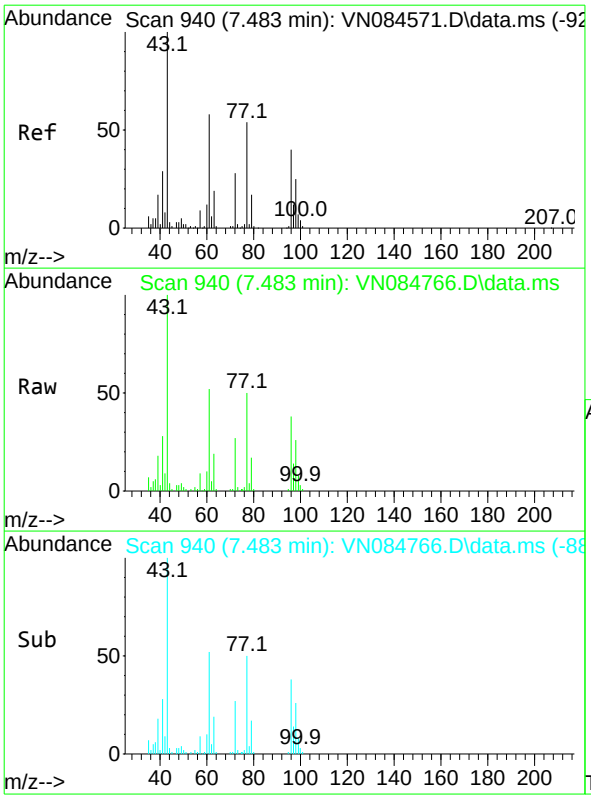


#24
1,1-Dichloroethane
Concen: 16.868 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 63 Resp: 62411

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.4	10.2
100	5.1	2.0	5.8



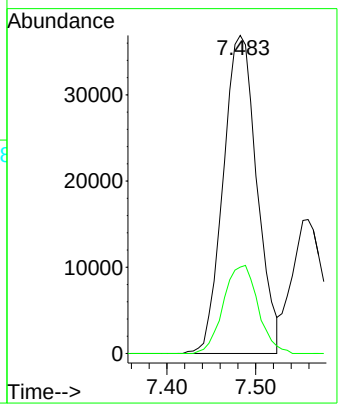


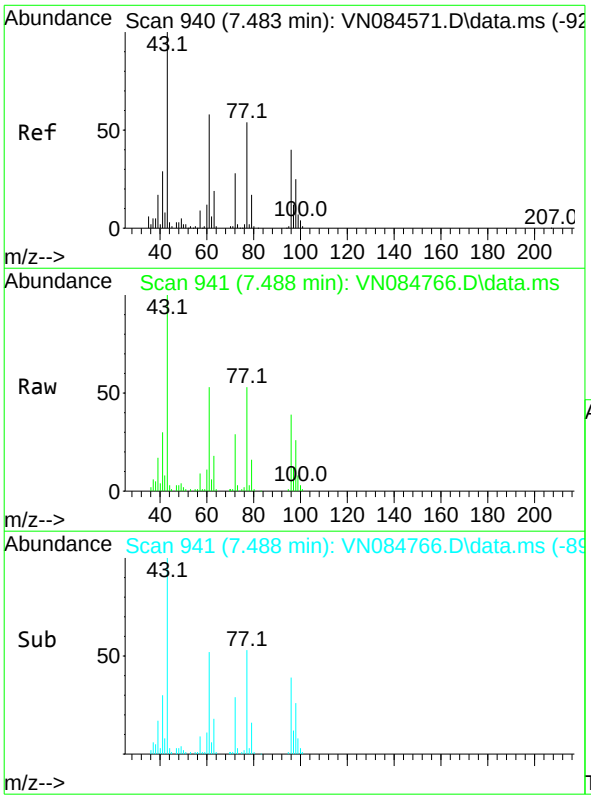
#25
2-Butanone
Concen: 86.101 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 97431

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.4	32.2

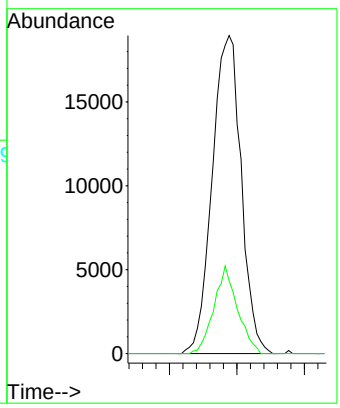


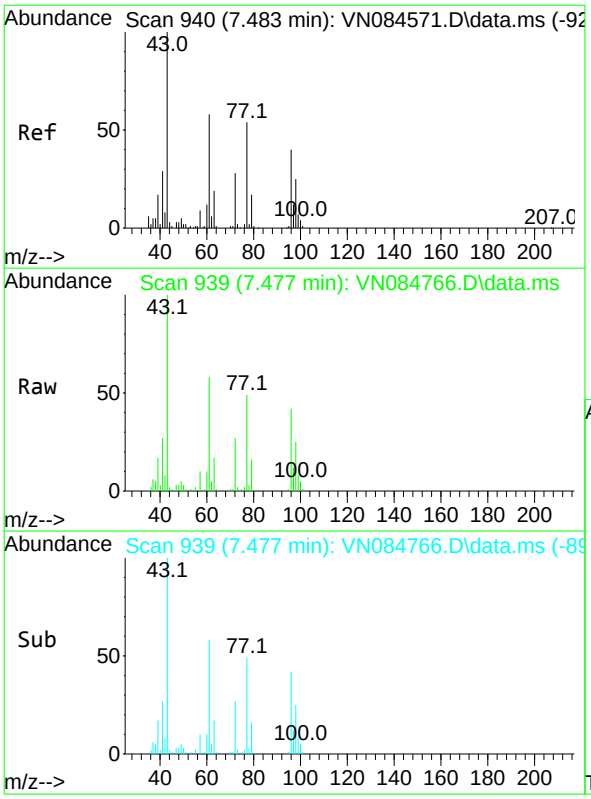


#26
2,2-Dichloropropane
Concen: 17.517 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 77 Resp: 56410

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.8	32.3



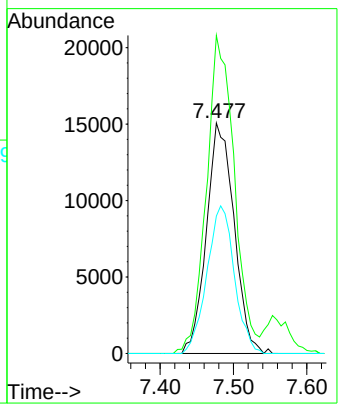


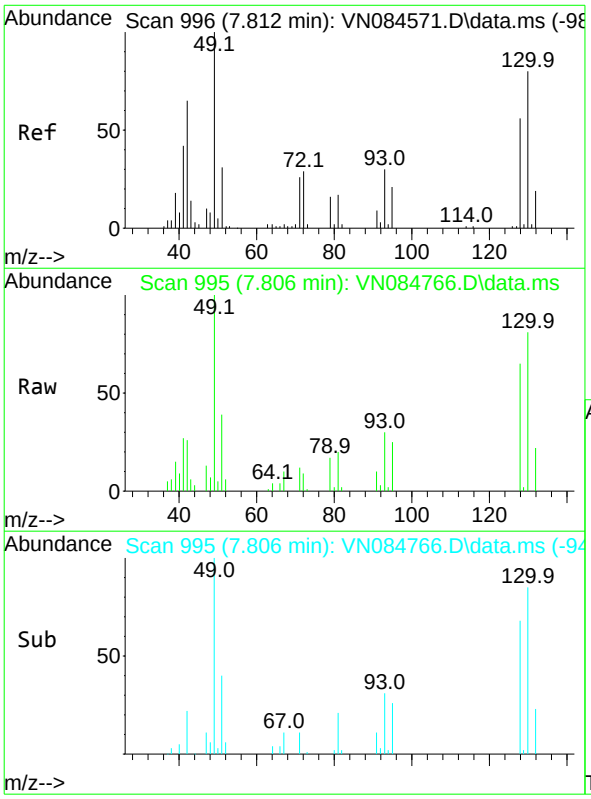
#27
cis-1,2-Dichloroethene
Concen: 17.181 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 96 Resp: 39395

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	301.8
98	63.6	0.0	128.2

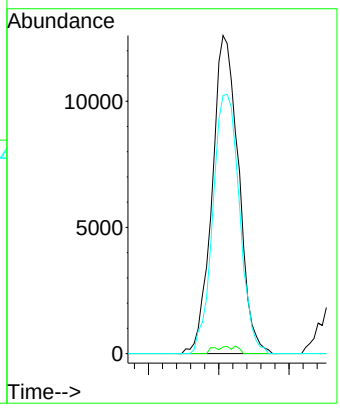


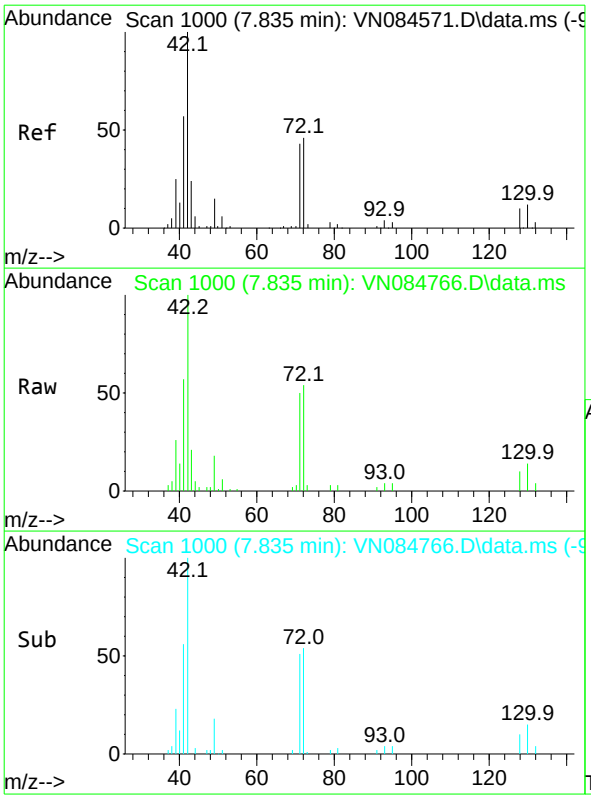


#28
Bromochloromethane
Concen: 22.346 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 49 Resp: 32939

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	82.3	58.0	87.0



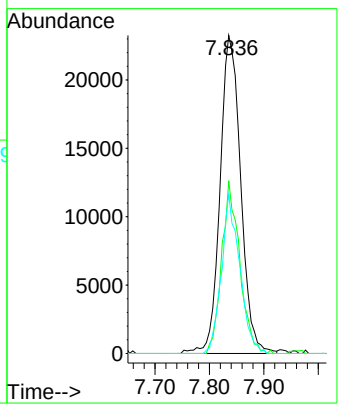


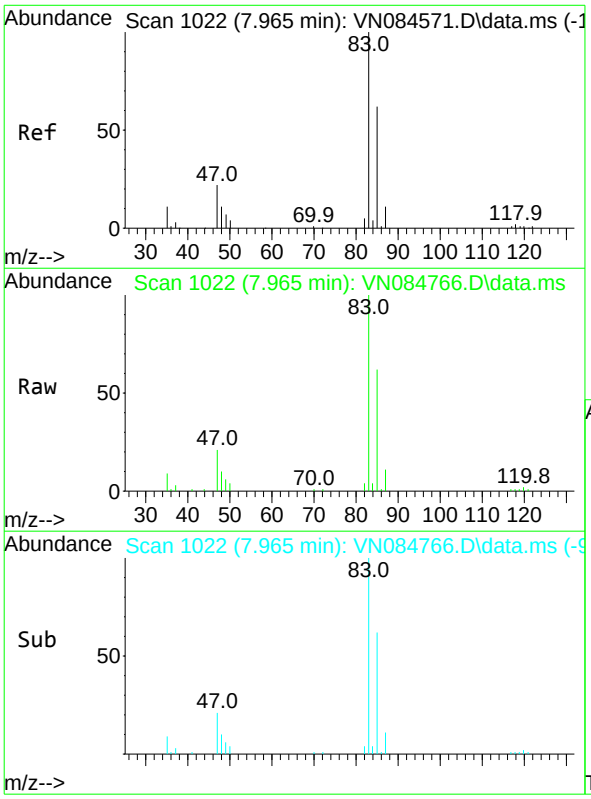
#29
Tetrahydrofuran
Concen: 81.769 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 42 Resp: 61385

Ion	Ratio	Lower	Upper
42	100		
72	47.4	34.6	51.8
71	44.2	32.2	48.4

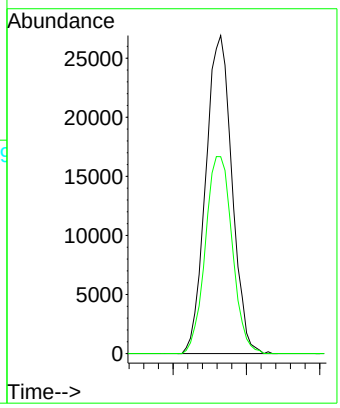


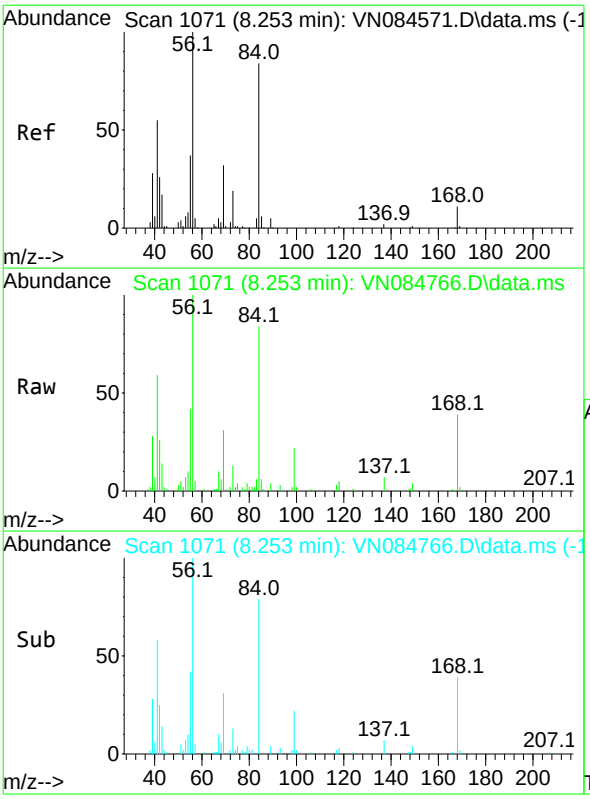


#30
Chloroform
Concen: 17.749 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 83 Resp: 66840

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4



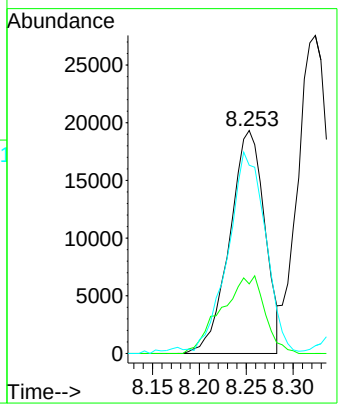


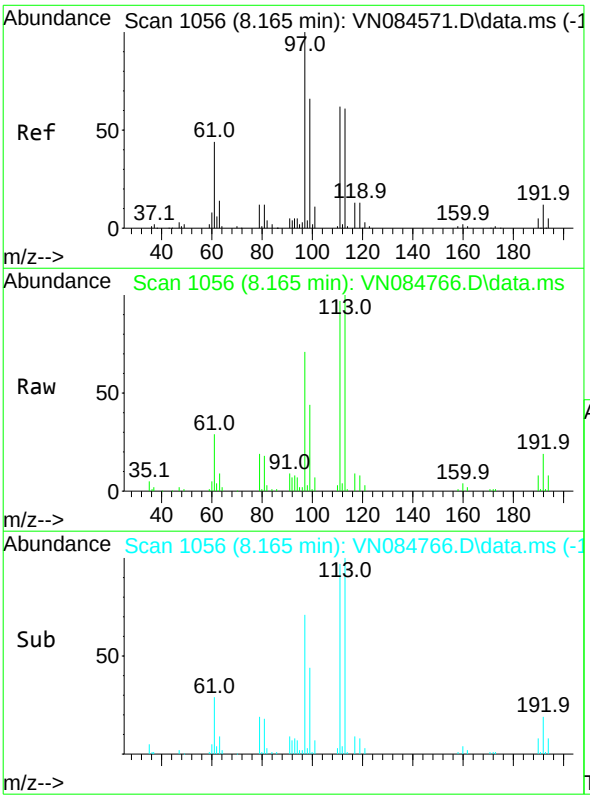
#31
Cyclohexane
Concen: 14.976 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 56 Resp: 50151

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	81.7	68.8	103.2

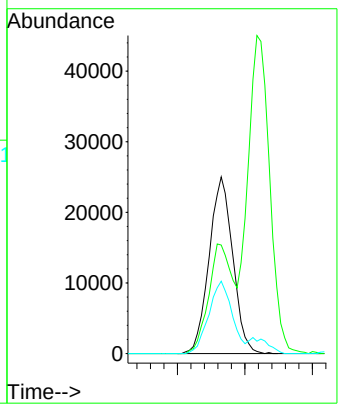


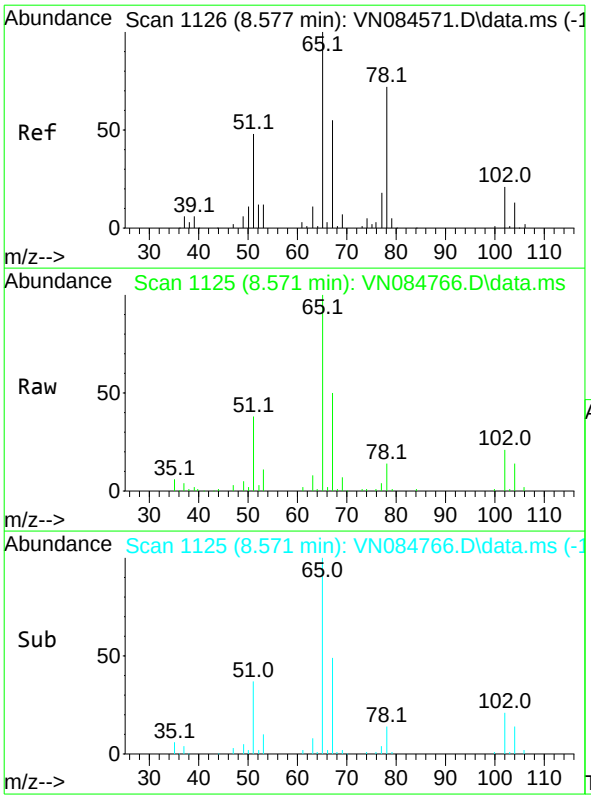


#32
1,1,1-Trichloroethane
Concen: 17.776 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 97 Resp: 60929

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	40.5	37.5	56.3



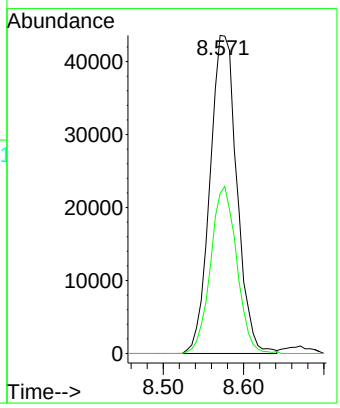


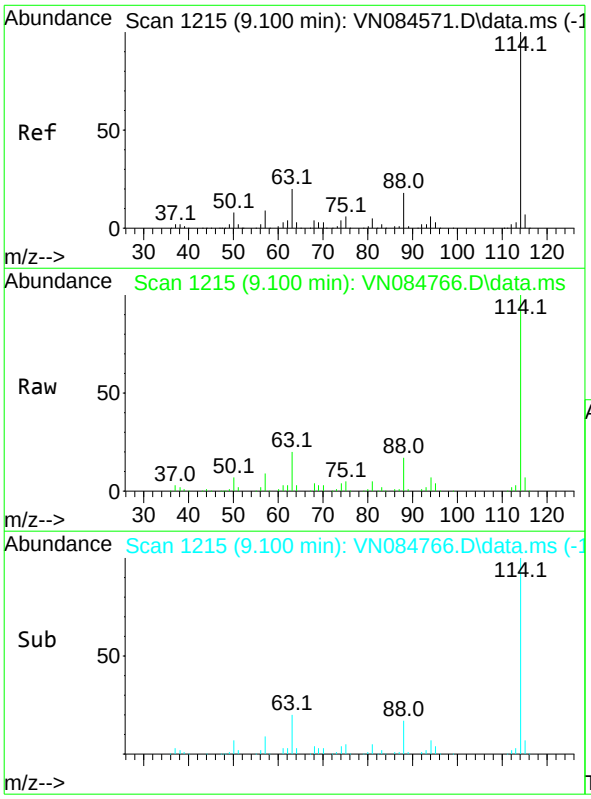
#33
1,2-Dichloroethane-d4
Concen: 41.822 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 65 Resp: 101440

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0

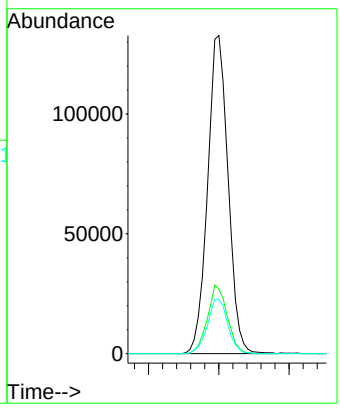


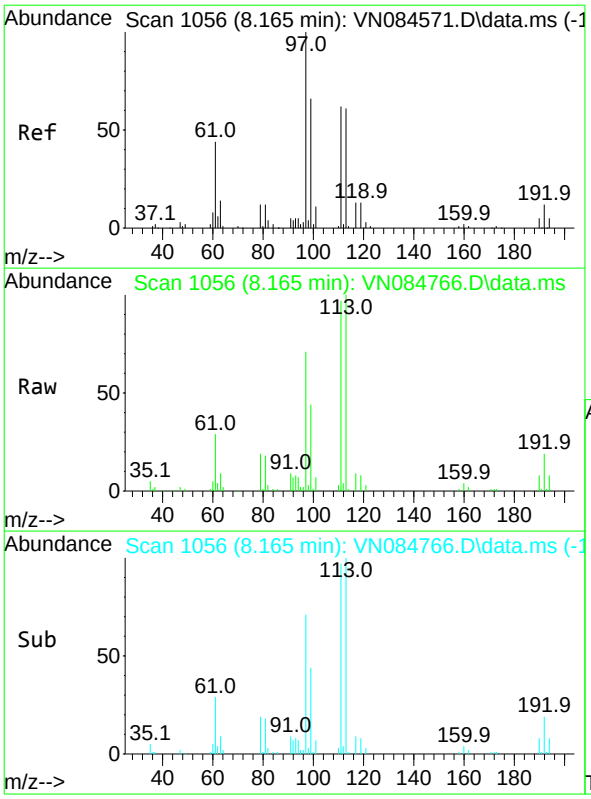


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:114 Resp: 269161

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.8
88	17.0	0.0	31.6



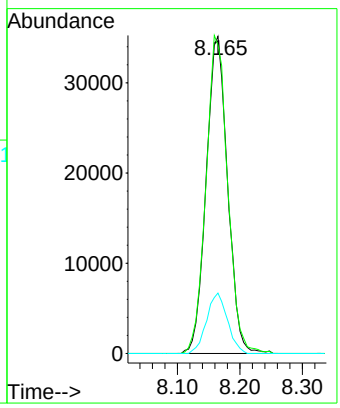


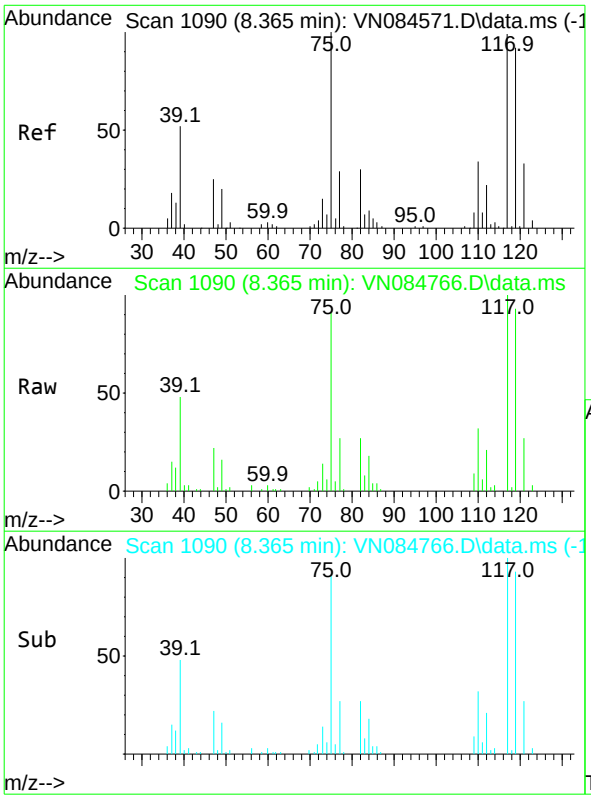
#35
Dibromofluoromethane
Concen: 46.014 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:113 Resp: 83832

Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.3	124.9
192	18.5	13.5	20.3

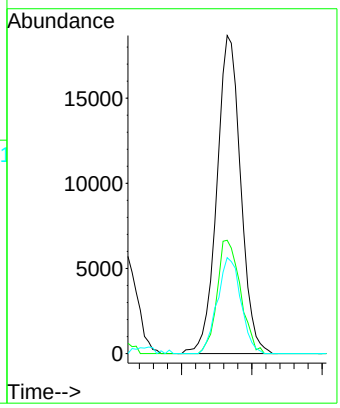


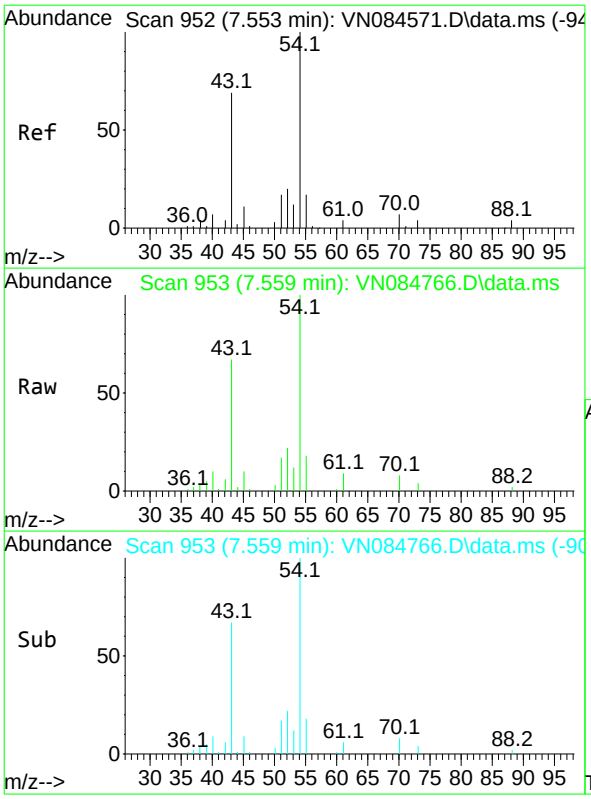


#36
1,1-Dichloropropene
Concen: 17.398 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 43961

Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	29.8	24.7	37.1



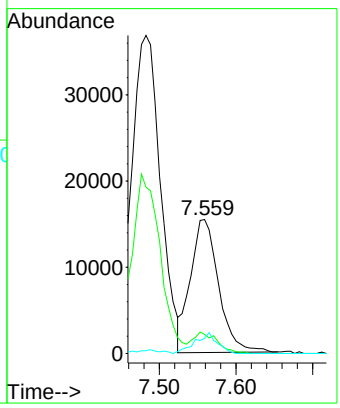


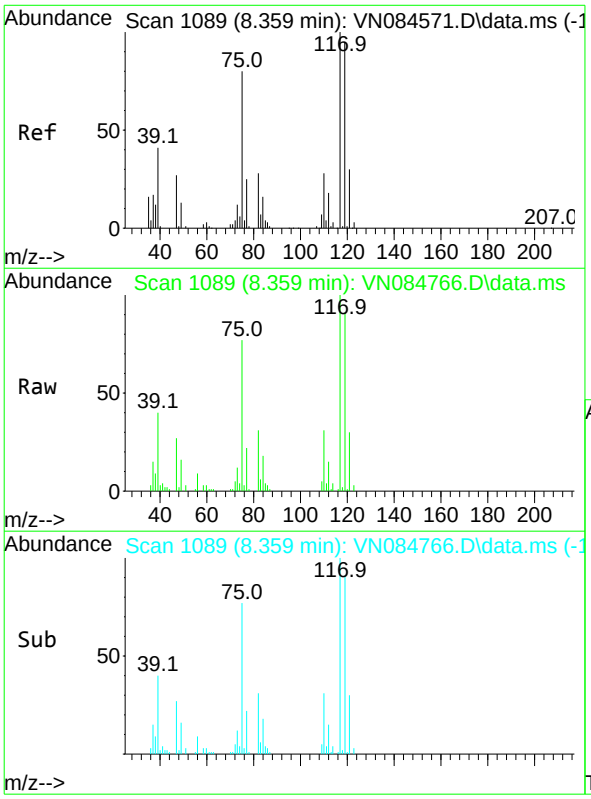
#37
Ethyl Acetate
Concen: 17.258 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 39564

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	12.0	8.8	13.2

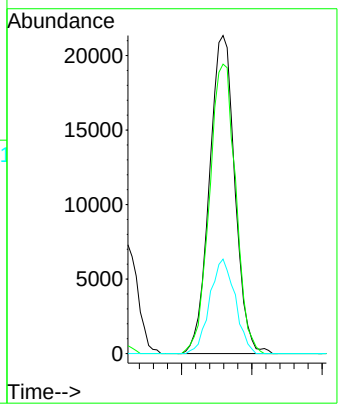


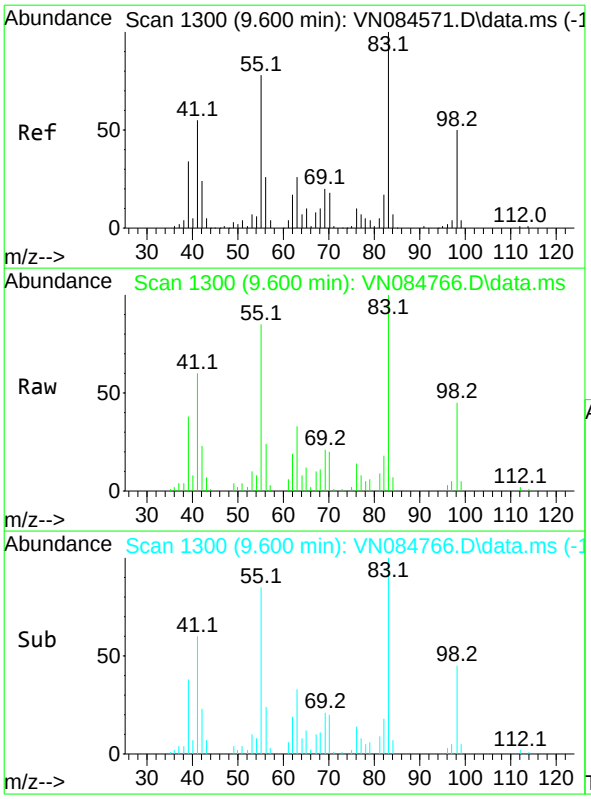


#38
Carbon Tetrachloride
Concen: 18.962 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:117 Resp: 53552

Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.7	118.1
121	29.7	24.4	36.6



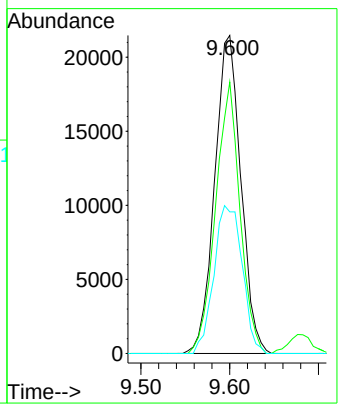


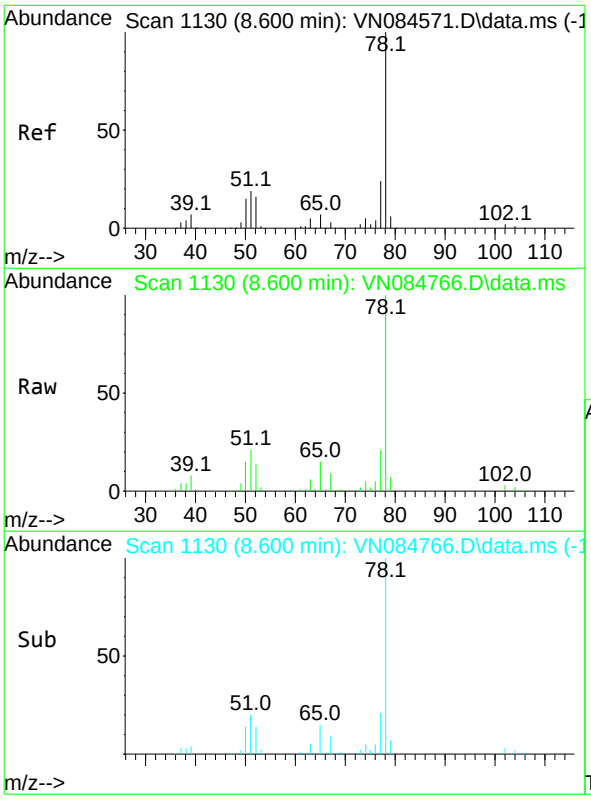
#39
Methylcyclohexane
Concen: 17.130 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 83 Resp: 44034

Ion	Ratio	Lower	Upper
83	100		
55	85.4	62.8	94.2
98	44.5	38.8	58.2

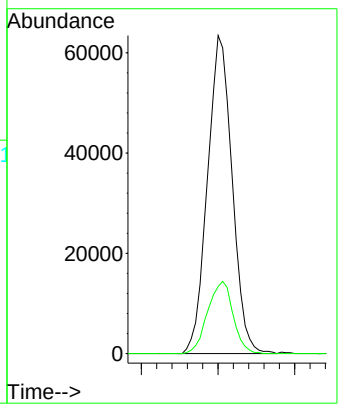


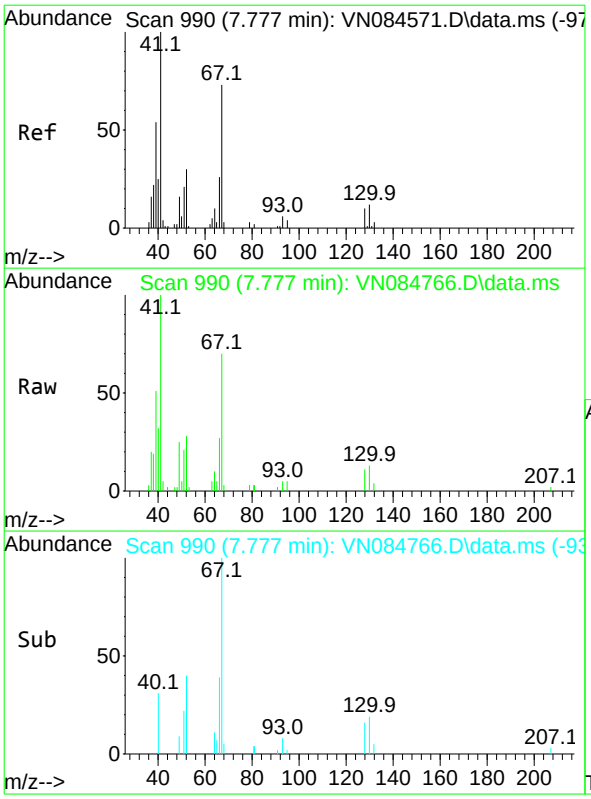


#40
Benzene
Concen: 17.475 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 78 Resp: 141800

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.1	28.7



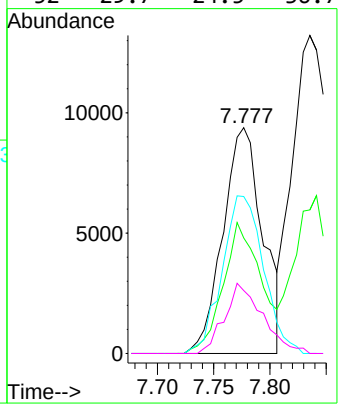


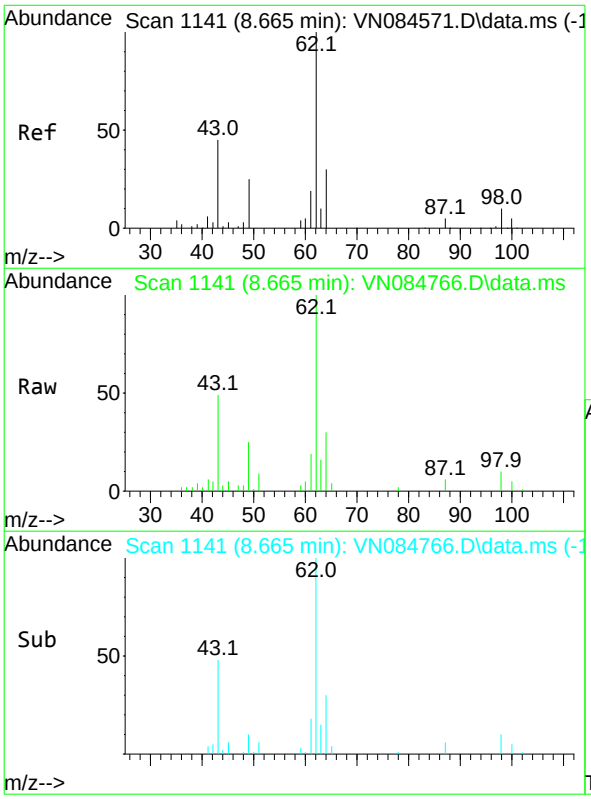
#41
Methacrylonitrile
Concen: 18.711 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 41 Resp: 23067

Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.3	64.9
67	72.5	56.1	84.1
52	29.7	24.5	36.7

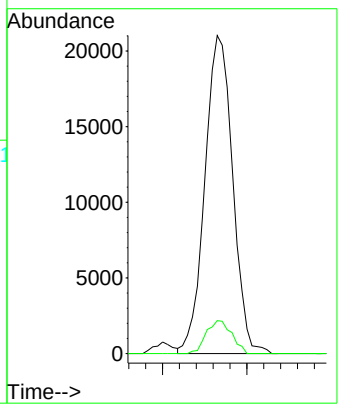


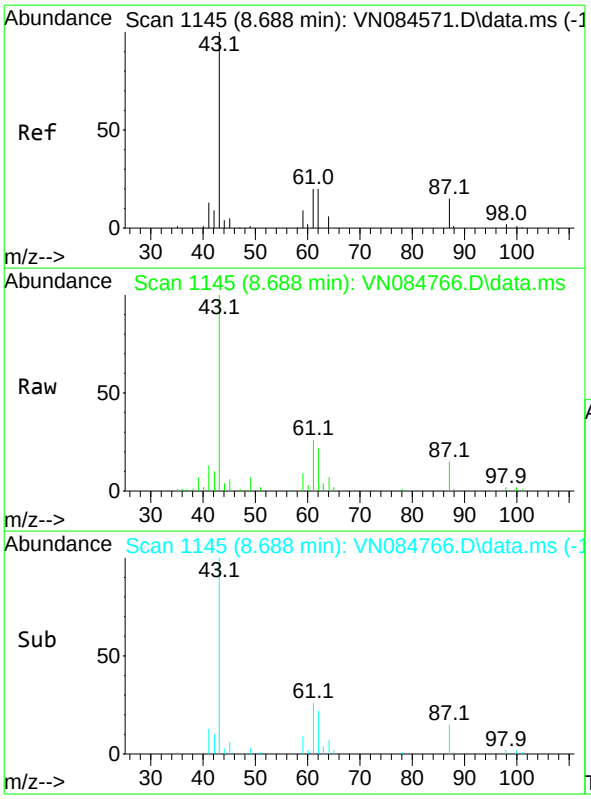


#42
1,2-Dichloroethane
Concen: 18.332 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 62 Resp: 48176

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



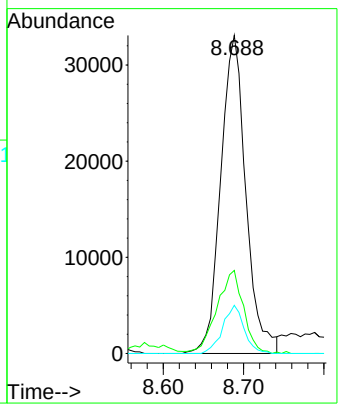


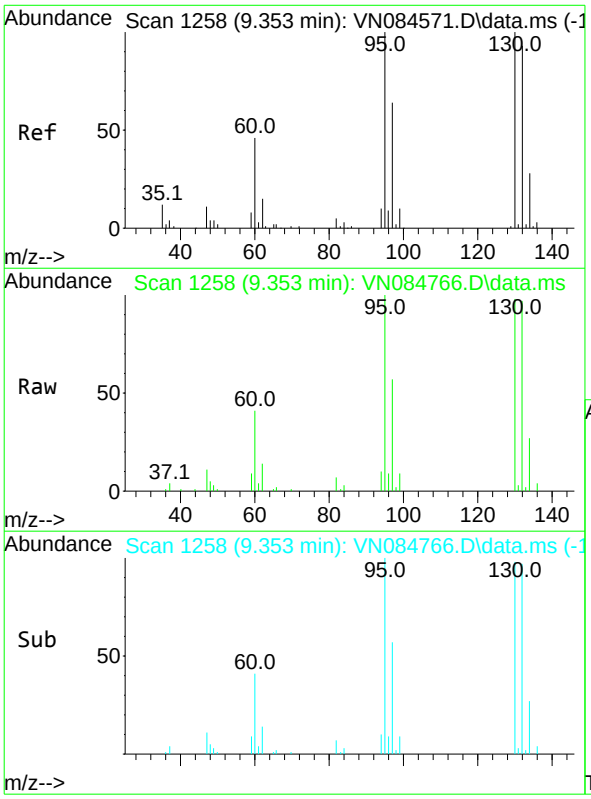
#43
Isopropyl Acetate
Concen: 16.376 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 72107

Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.4	30.6
87	12.9	10.3	15.5

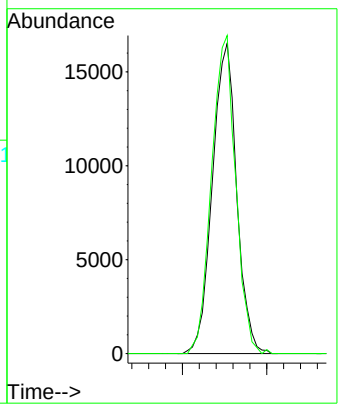


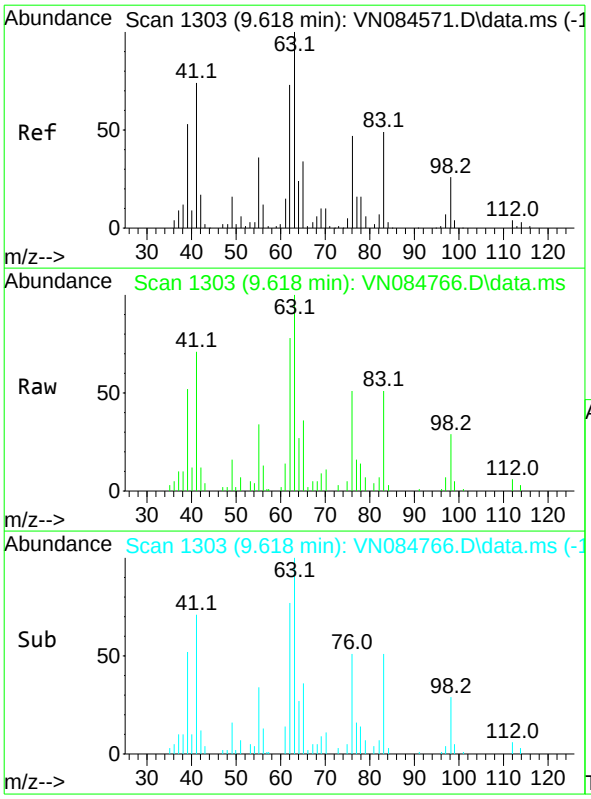


#44
Trichloroethene
Concen: 17.633 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:130 Resp: 32999

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.0



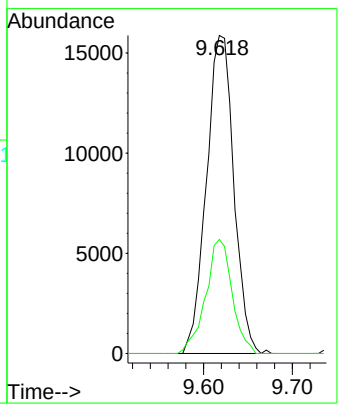


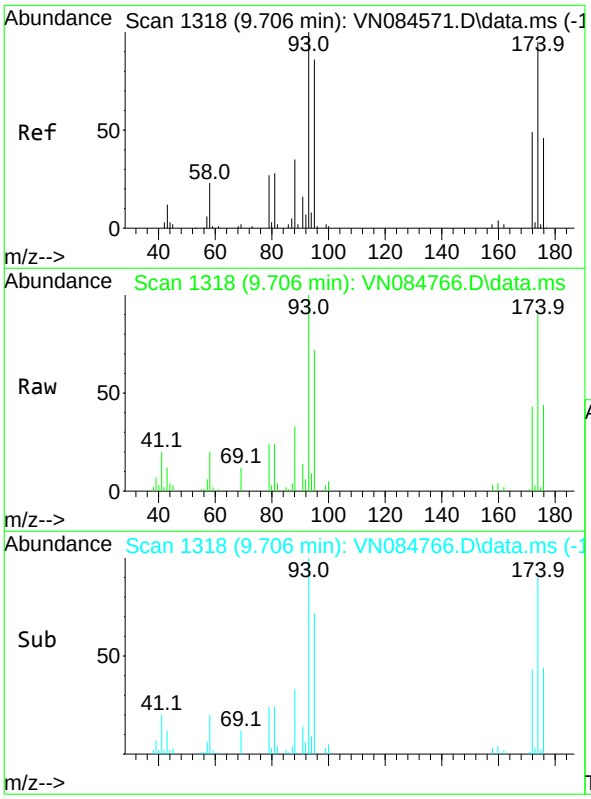
#45
1,2-Dichloropropane
Concen: 17.889 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 63 Resp: 34052

Ion	Ratio	Lower	Upper
63	100		
65	35.8	24.6	37.0

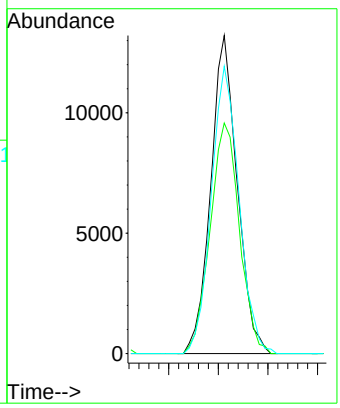


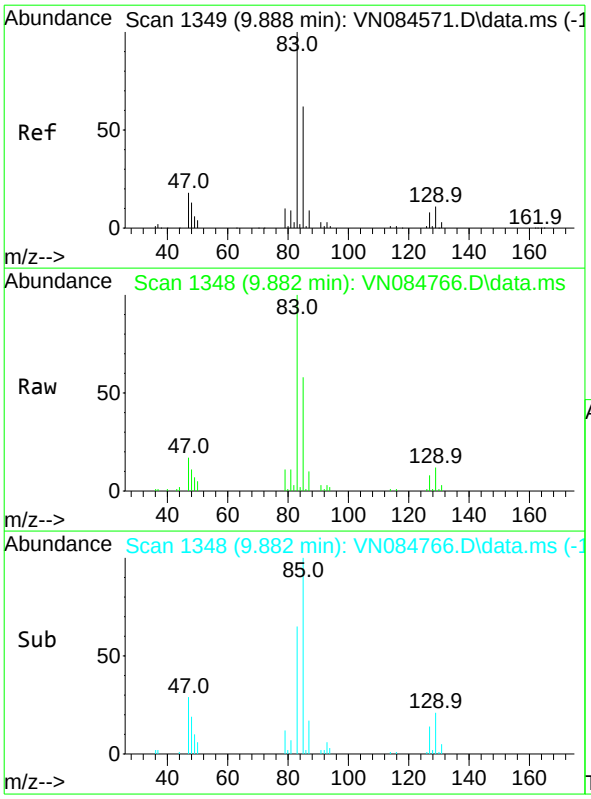


#46
Dibromomethane
Concen: 18.263 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 93 Resp: 24530

Ion	Ratio	Lower	Upper
93	100		
95	80.0	65.0	97.4
174	94.3	71.8	107.8



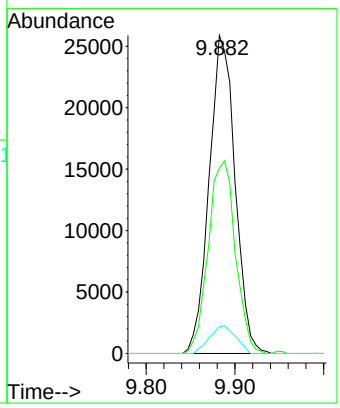


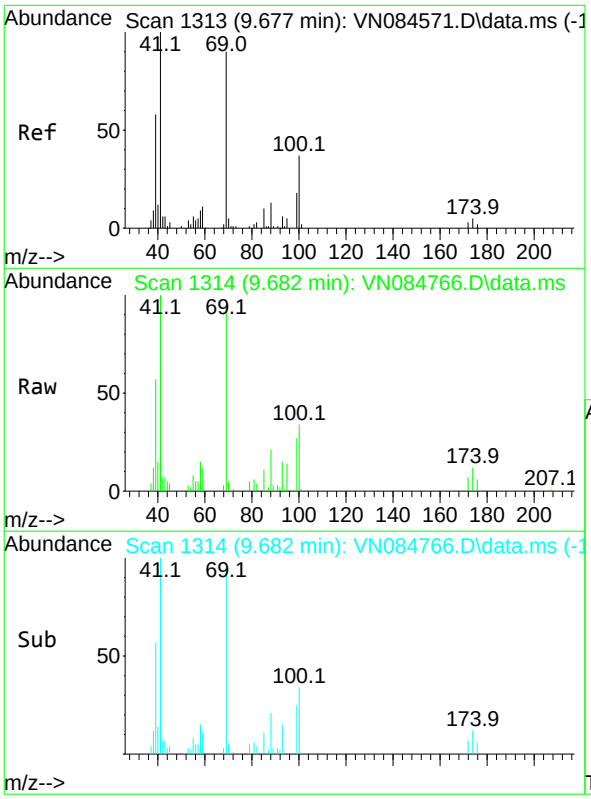
#47
Bromodichloromethane
Concen: 18.506 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 83 Resp: 52398

Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.5	77.3
127	8.4	5.7	8.5

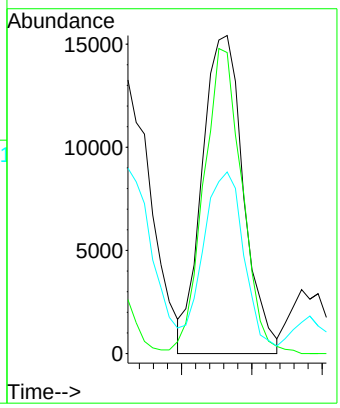


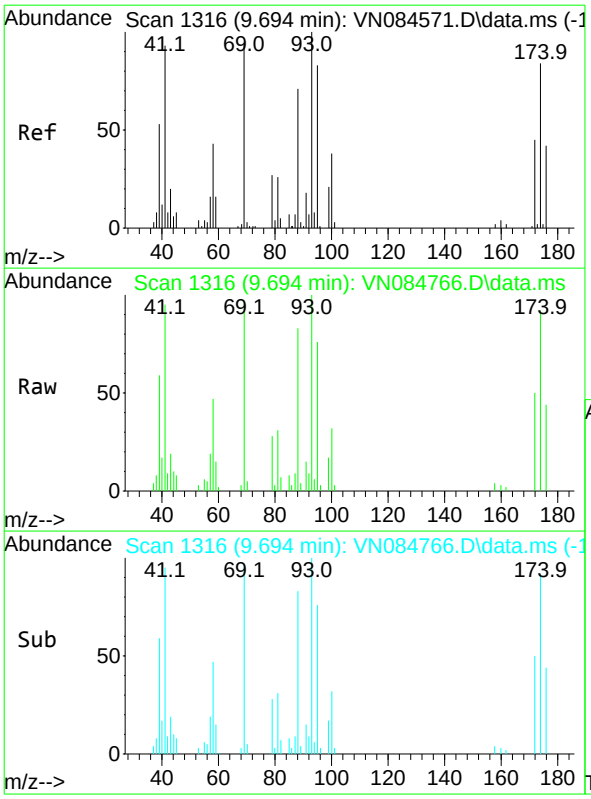


#48
Methyl methacrylate
Concen: 17.668 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 41 Resp: 31523

Ion	Ratio	Lower	Upper
41	100		
69	88.9	67.1	100.7
39	57.2	45.8	68.6



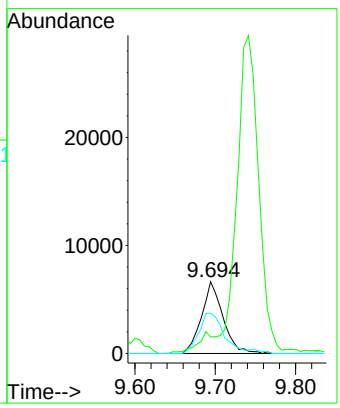


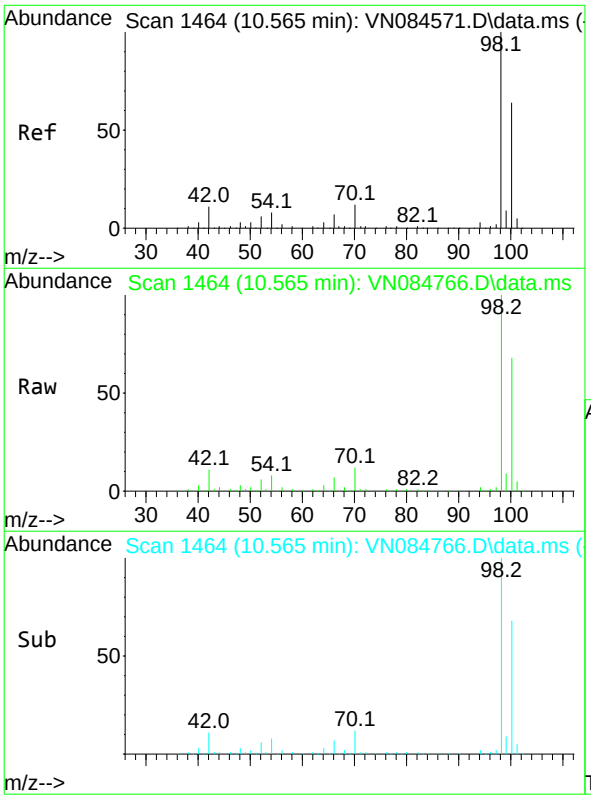
#49
1,4-Dioxane
Concen: 391.373 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 88 Resp: 12374

Ion	Ratio	Lower	Upper
88	100		
43	19.8	25.3	37.9#
58	67.8	56.4	84.6

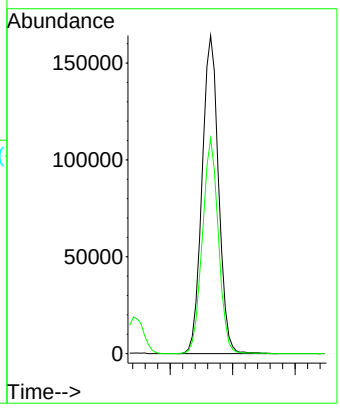


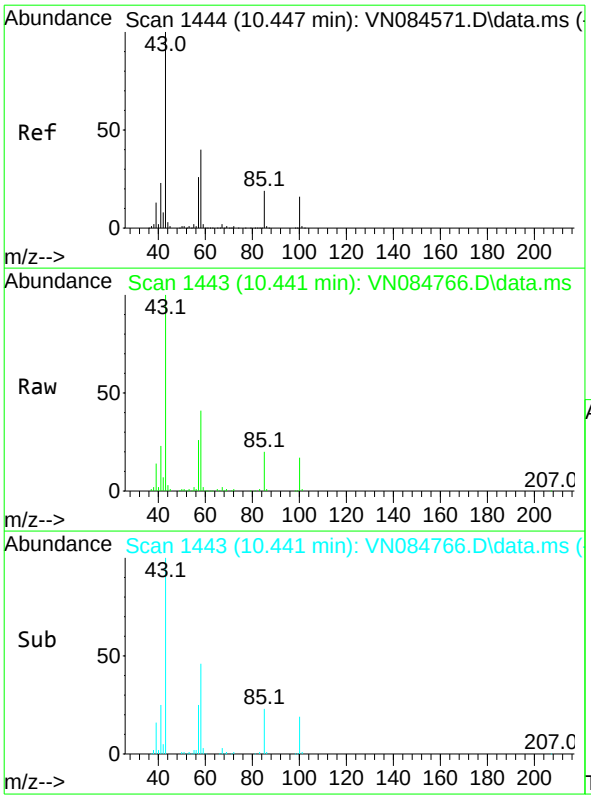


#50
Toluene-d8
Concen: 44.759 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 98 Resp: 300387

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



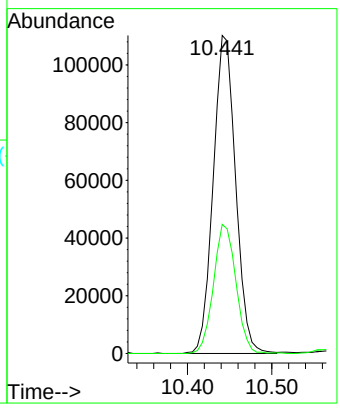


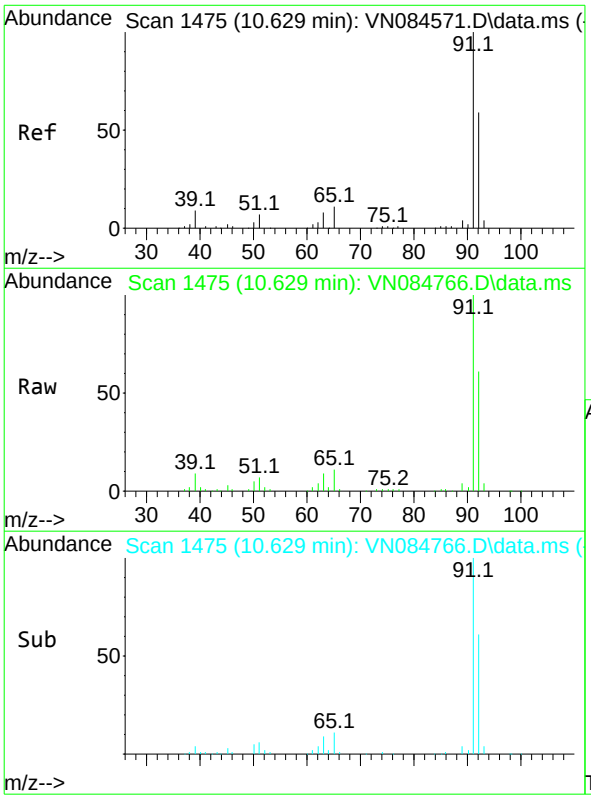
#51
4-Methyl-2-Pentanone
Concen: 93.123 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 203514

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4

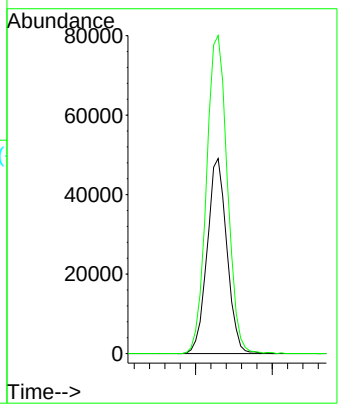


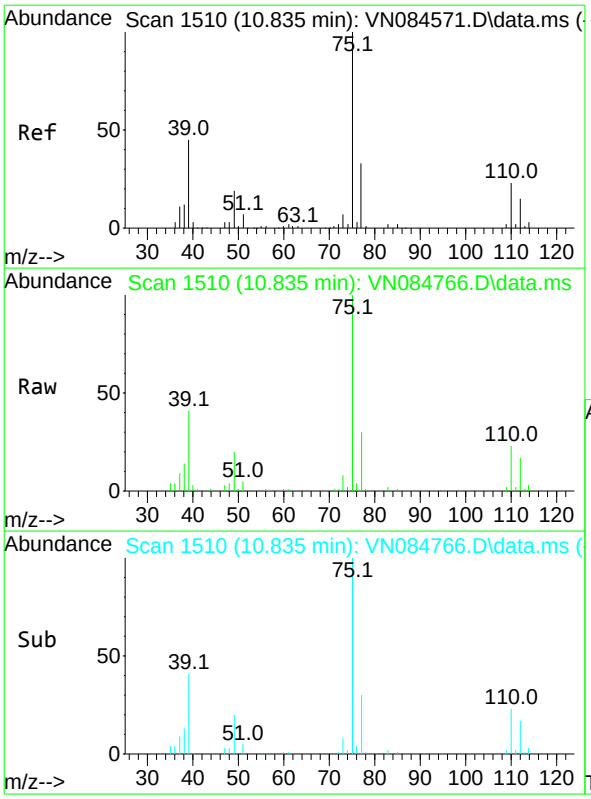


#52
Toluene
Concen: 18.442 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 92 Resp: 87522

Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.3	205.9



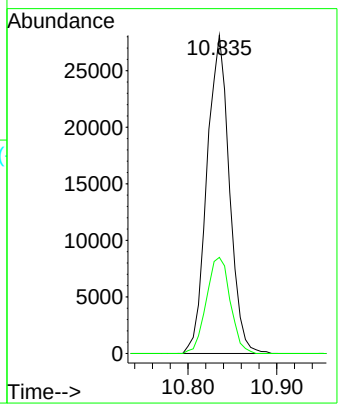


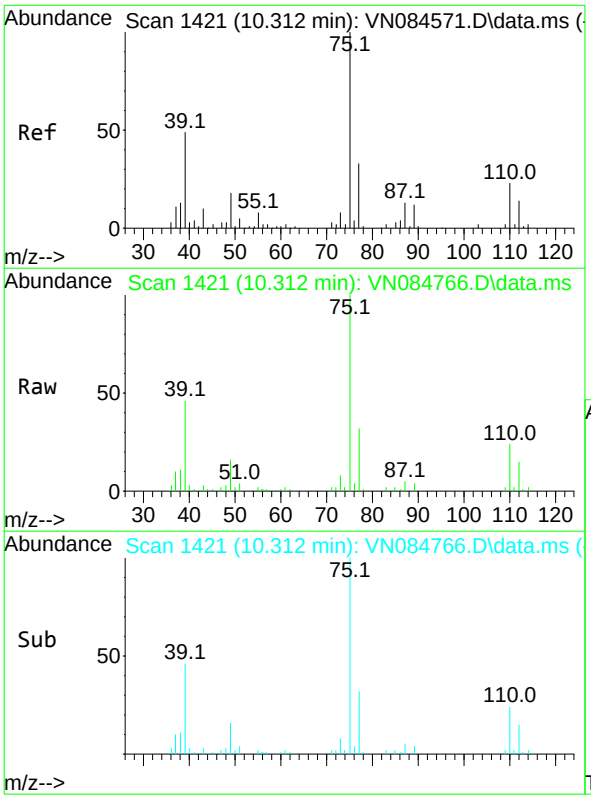
#53
t-1,3-Dichloropropene
Concen: 16.872 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 75 Resp: 49448

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0

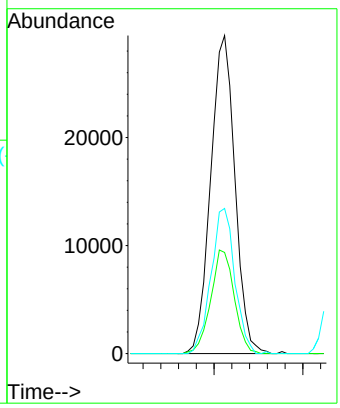


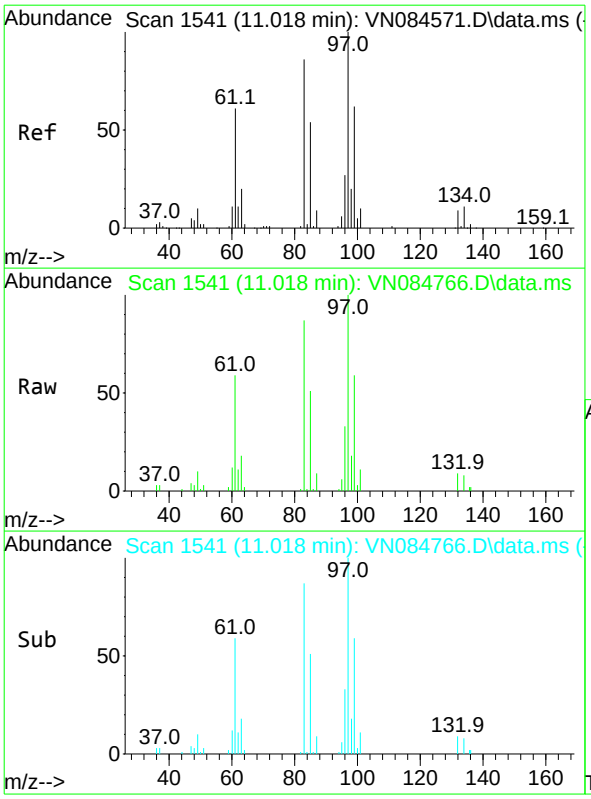


#54
cis-1,3-Dichloropropene
Concen: 18.005 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 55849

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	45.6	38.7	58.1



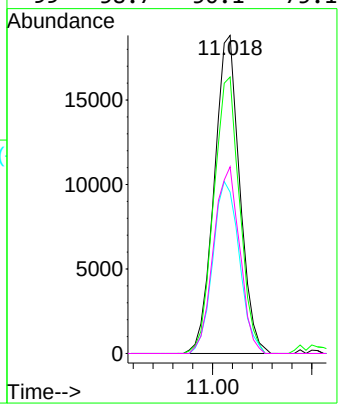


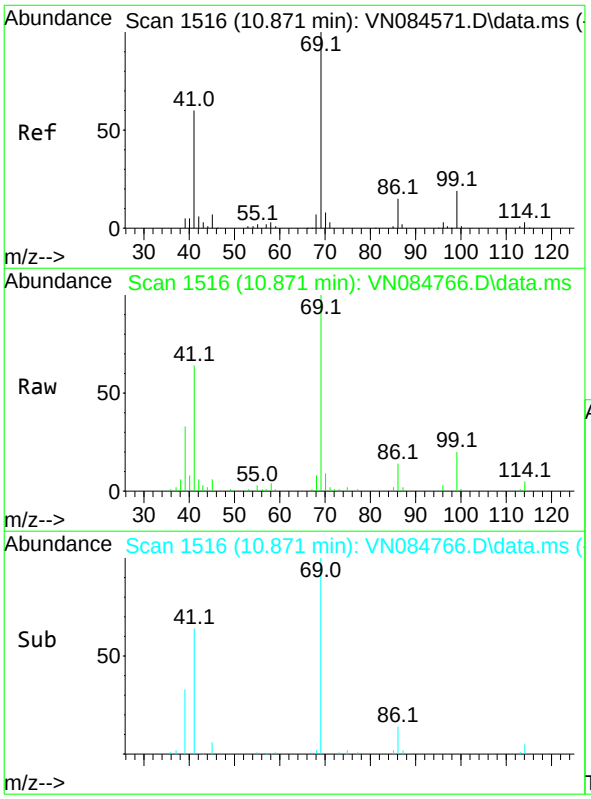
#55
1,1,2-Trichloroethane
Concen: 18.805 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 97 Resp: 33617

Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.0	106.4
85	50.7	41.7	62.5
99	58.7	50.1	75.1

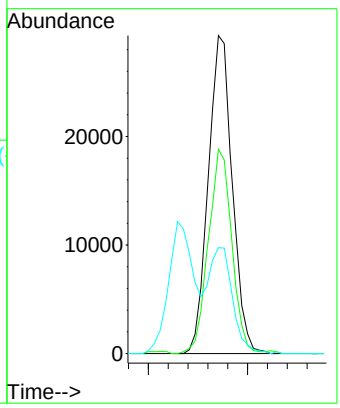


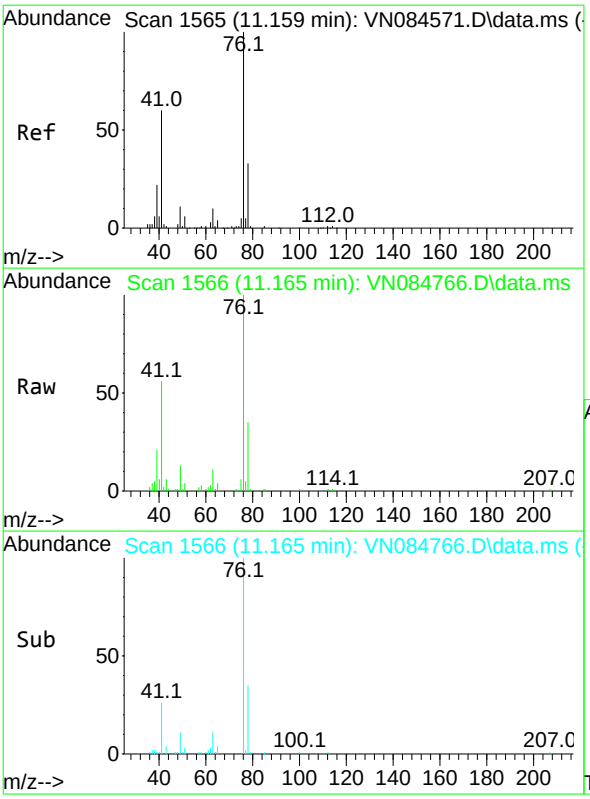


#56
Ethyl methacrylate
Concen: 19.049 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 69 Resp: 49258

Ion	Ratio	Lower	Upper
69	100		
41	63.1	53.3	79.9
39	33.9	28.8	43.2



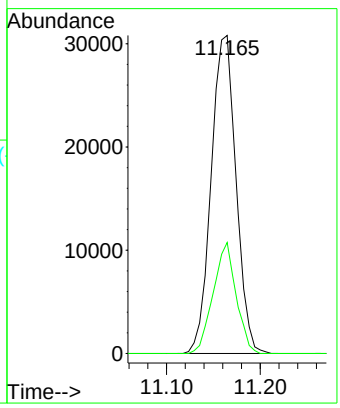


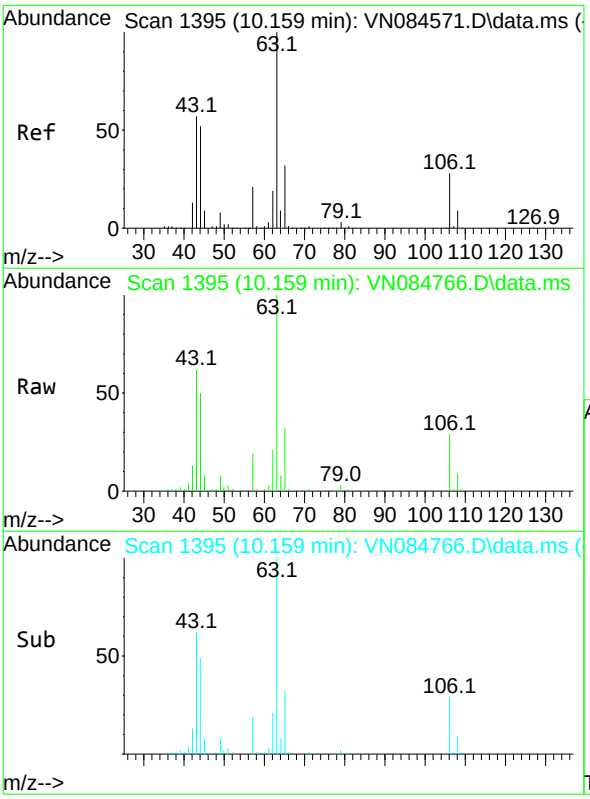
#57
1,3-Dichloropropane
Concen: 18.498 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 76 Resp: 56752

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

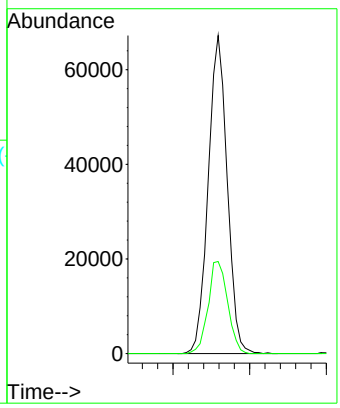


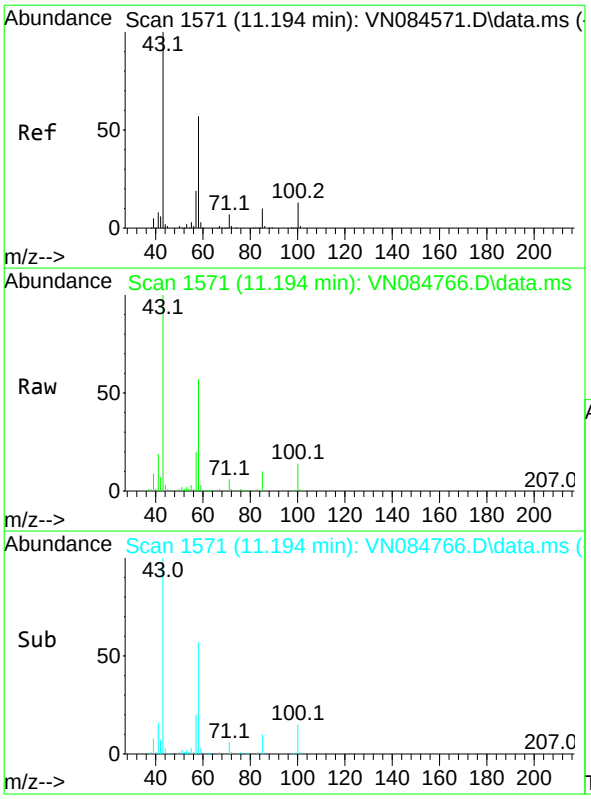


#58
2-Chloroethyl Vinyl ether
Concen: 95.469 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 63 Resp: 115516

Ion	Ratio	Lower	Upper
63	100		
106	29.8	21.8	32.6



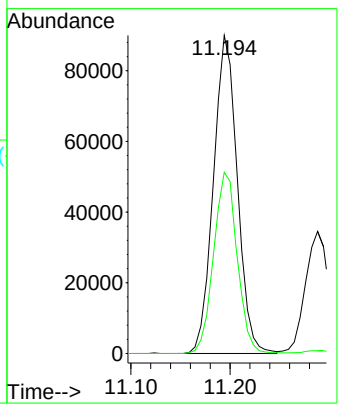


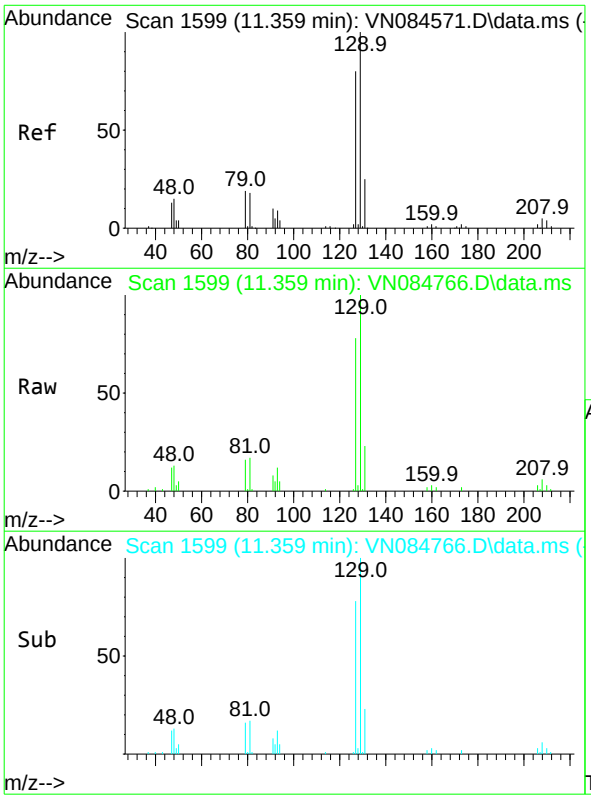
#59
2-Hexanone
Concen: 94.647 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 43 Resp: 150560

Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.3	81.8

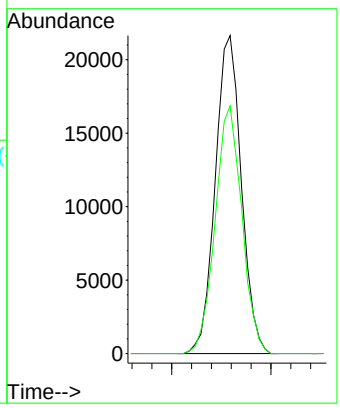


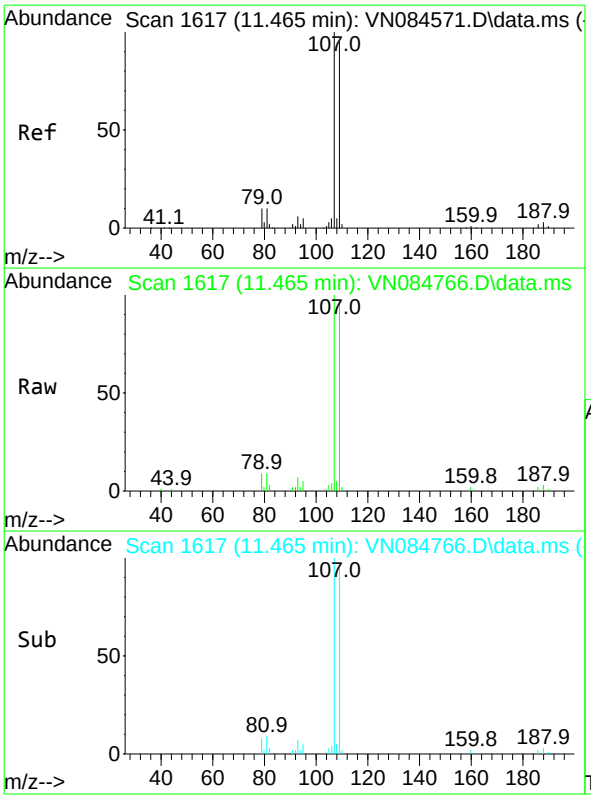


#60
Dibromochloromethane
Concen: 19.376 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:129 Resp: 39477

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.3	114.9



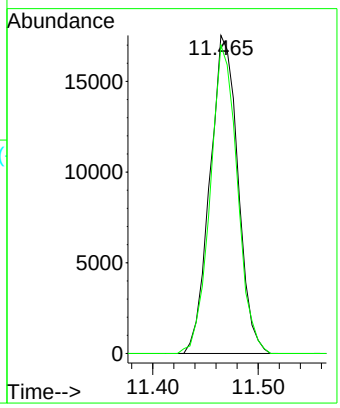


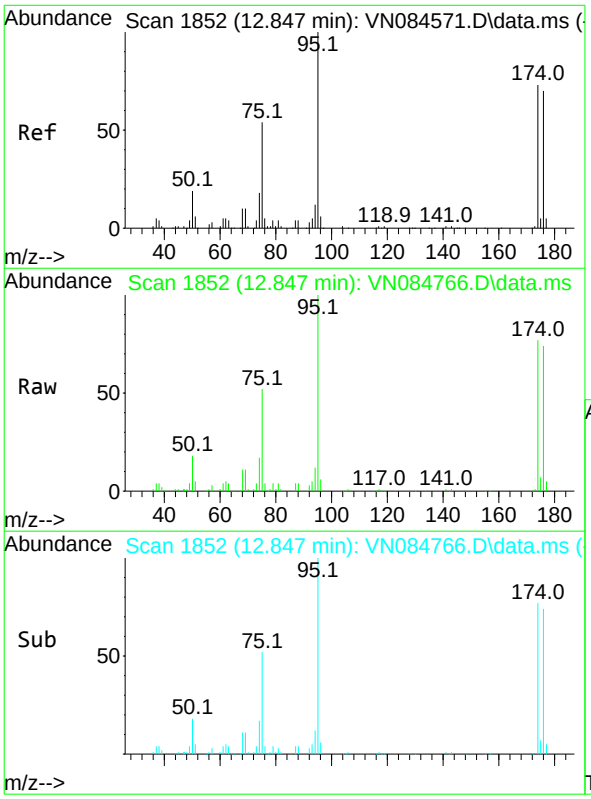
#61
1,2-Dibromoethane
Concen: 17.669 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:107 Resp: 32346

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

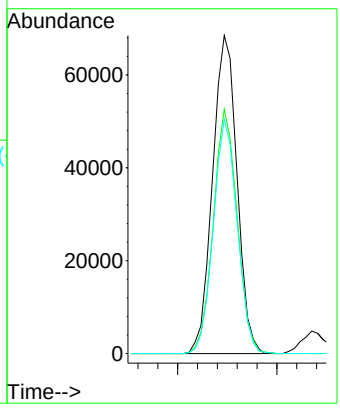


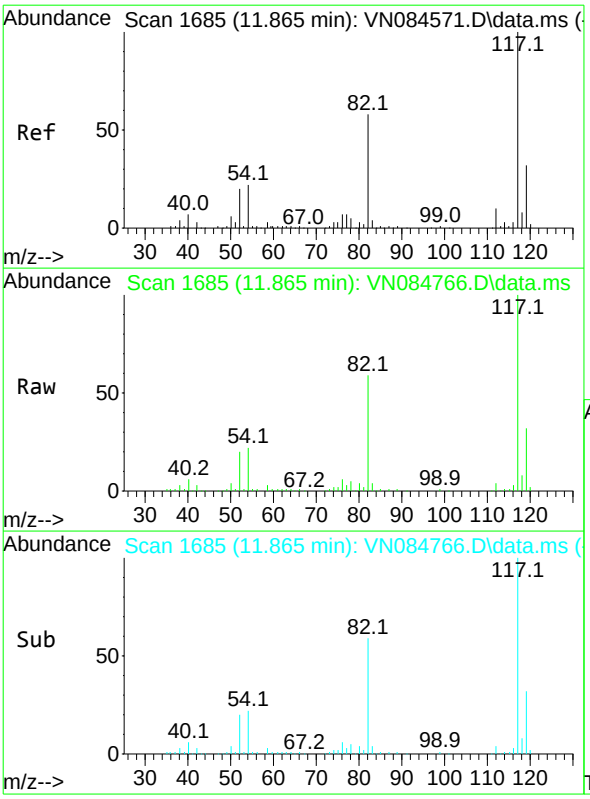


#62
4-Bromofluorobenzene
Concen: 46.721 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 95 Resp: 117186

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.9	0.0	140.0



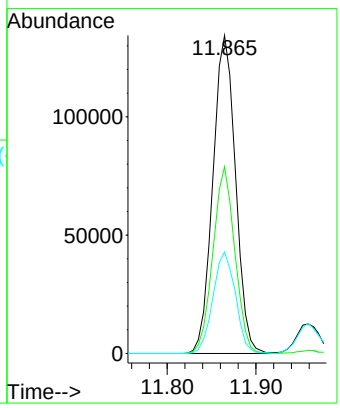


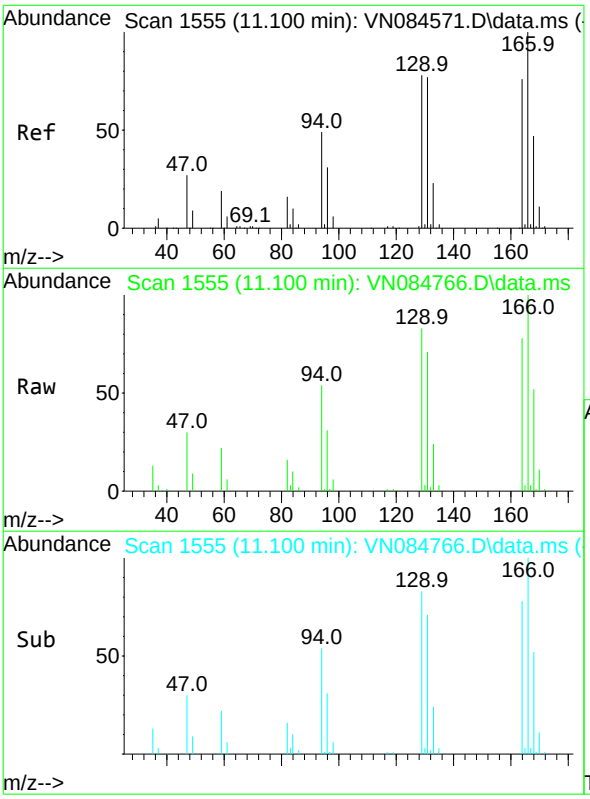
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:117 Resp: 238228

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	31.9	25.4	38.0

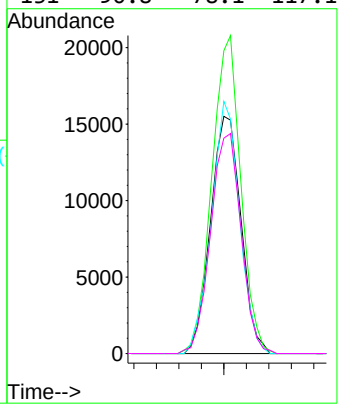


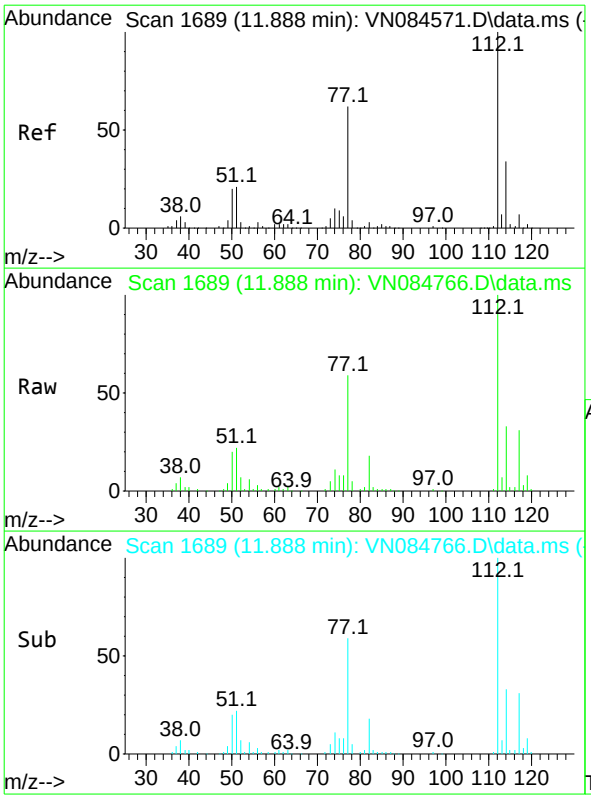


#64
Tetrachloroethene
Concen: 18.391 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:164 Resp: 29143

Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.4
129	106.3	80.8	121.2
131	90.8	78.1	117.1



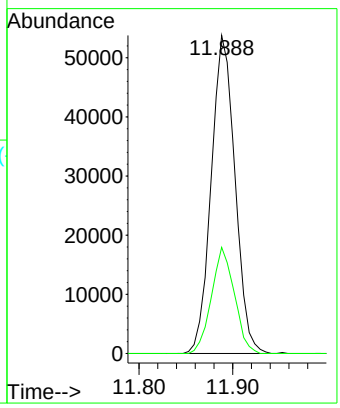


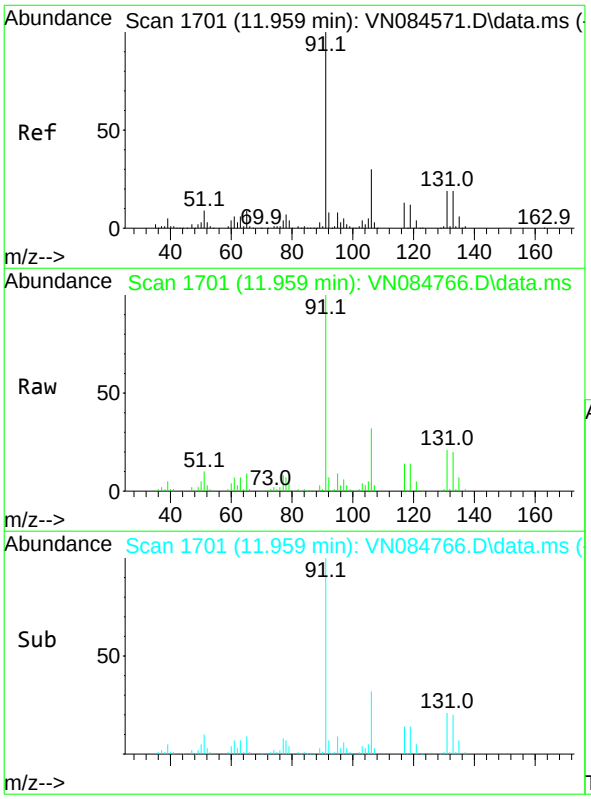
#65
Chlorobenzene
Concen: 17.794 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:112 Resp: 94835

Ion	Ratio	Lower	Upper
112	100		
114	33.4	27.0	40.6

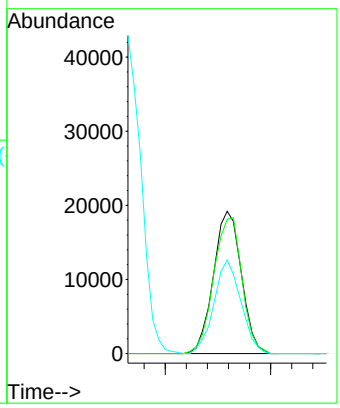


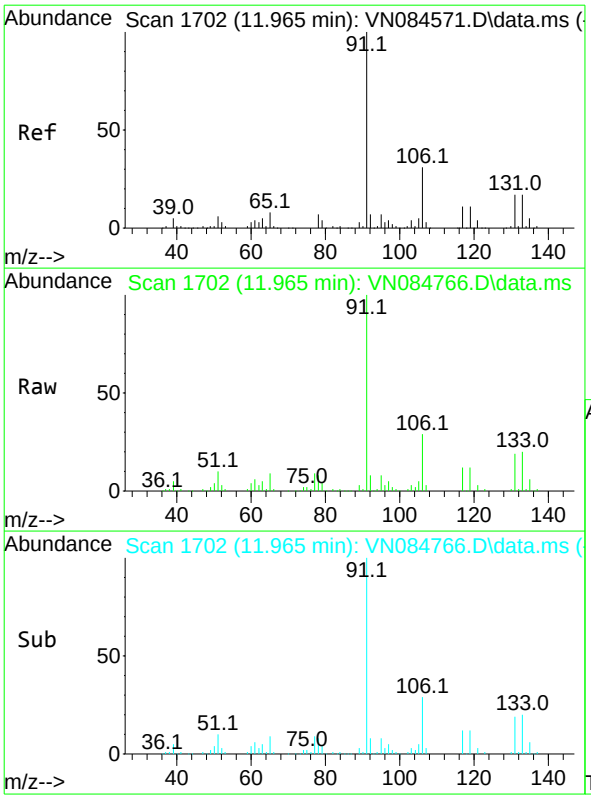


#66
1,1,1,2-Tetrachloroethane
Concen: 19.053 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:131 Resp: 35321

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.9	143.7
119	63.4	32.8	98.3



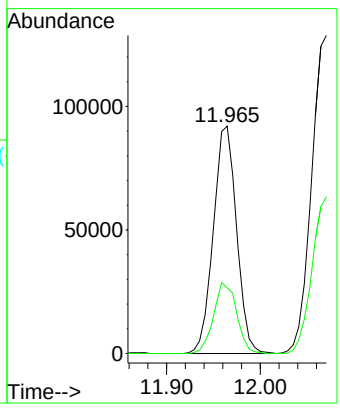


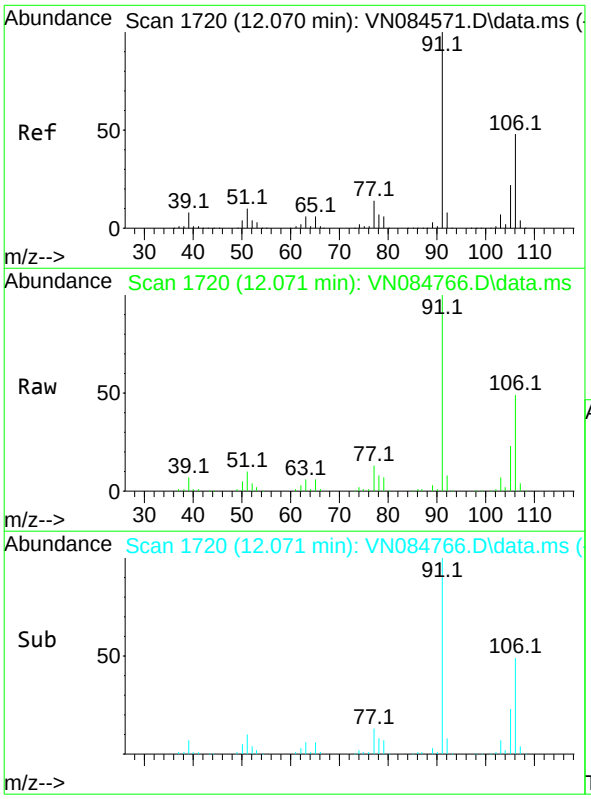
#67
Ethyl Benzene
Concen: 17.828 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 91 Resp: 158600

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7

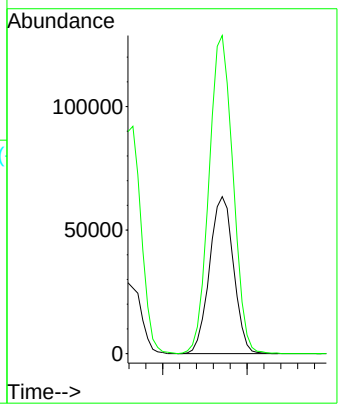


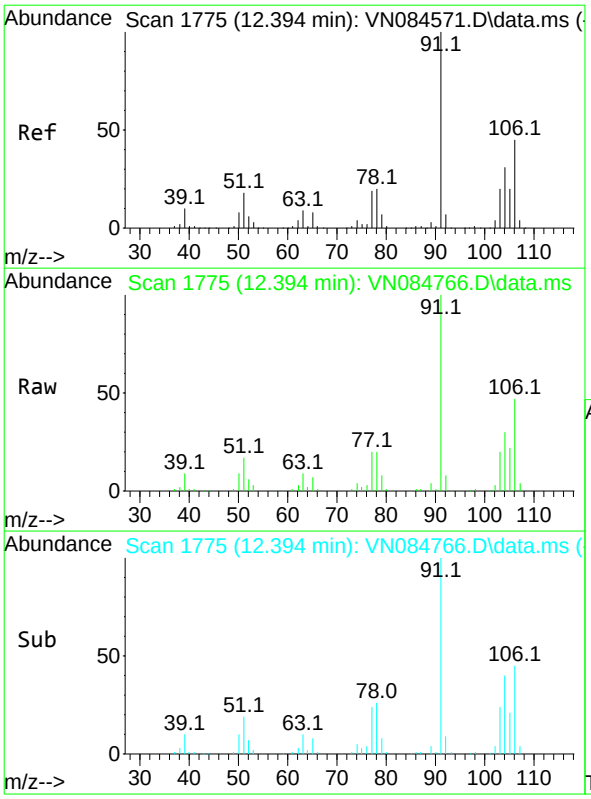


#68
m/p-Xylenes
Concen: 37.278 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:106 Resp: 125551

Ion	Ratio	Lower	Upper
106	100		
91	202.7	167.1	250.7



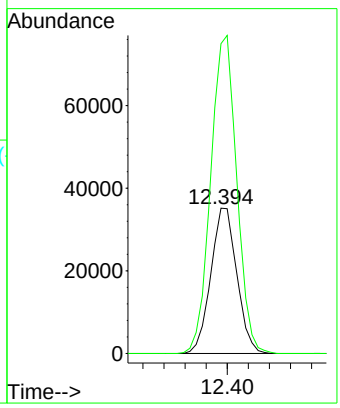


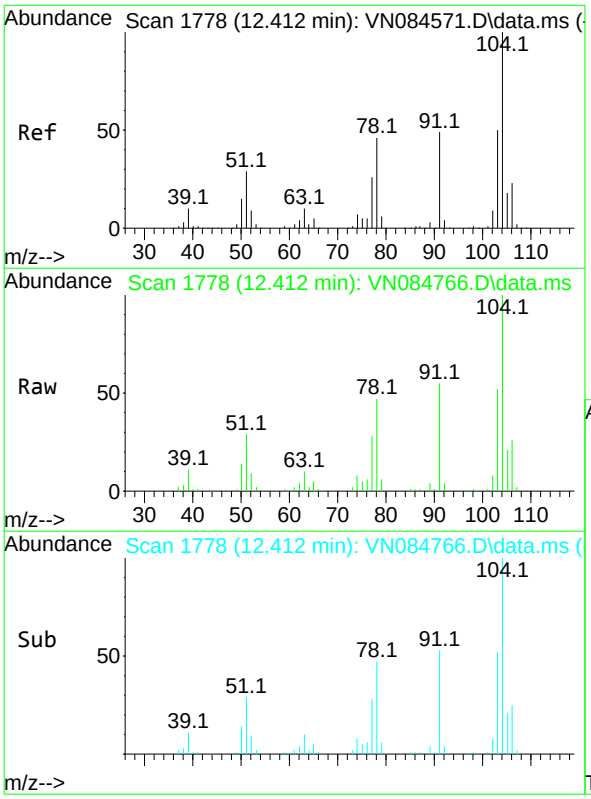
#69
o-Xylene
Concen: 19.146 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:106 Resp: 60323

Ion	Ratio	Lower	Upper
106	100		
91	219.0	110.2	330.6

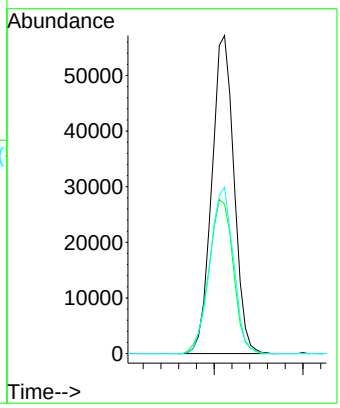


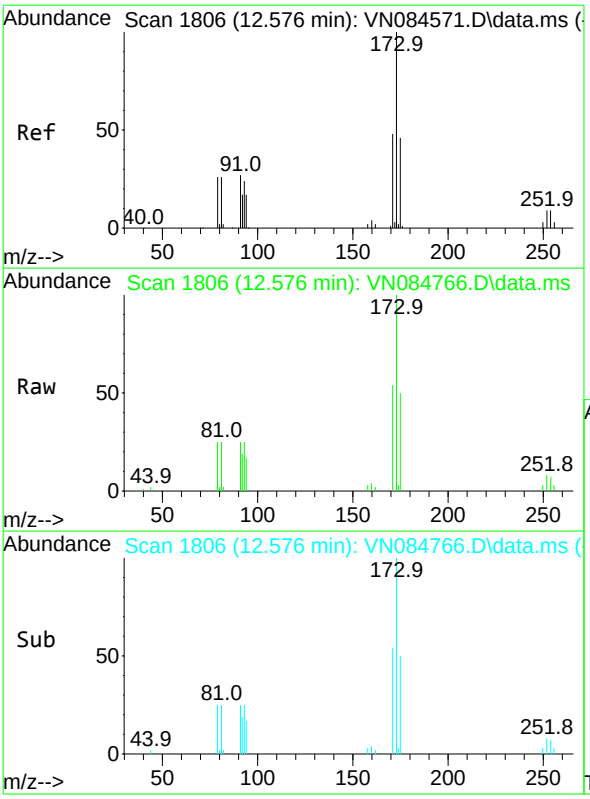


#70
Styrene
Concen: 18.082 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:104 Resp: 99383

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.7	64.1
103	55.4	43.6	65.4



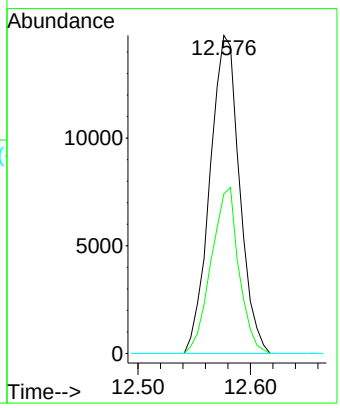


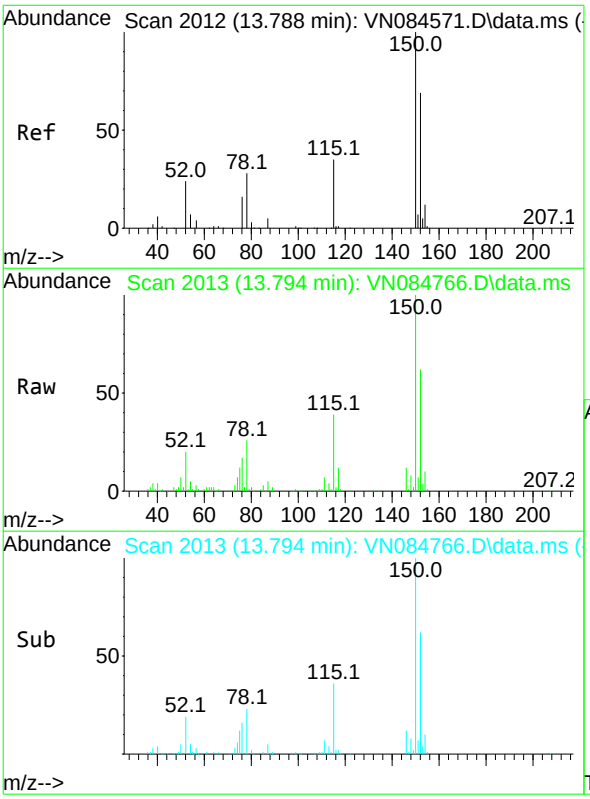
#71
Bromoform
Concen: 19.333 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:173 Resp: 26968

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.5	70.6
254	0.0	0.0	0.0

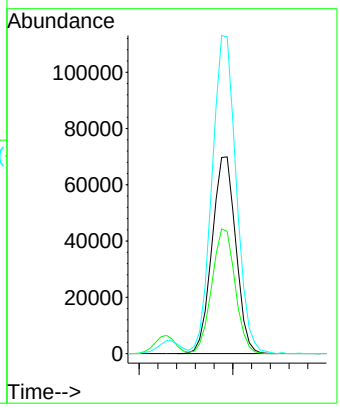


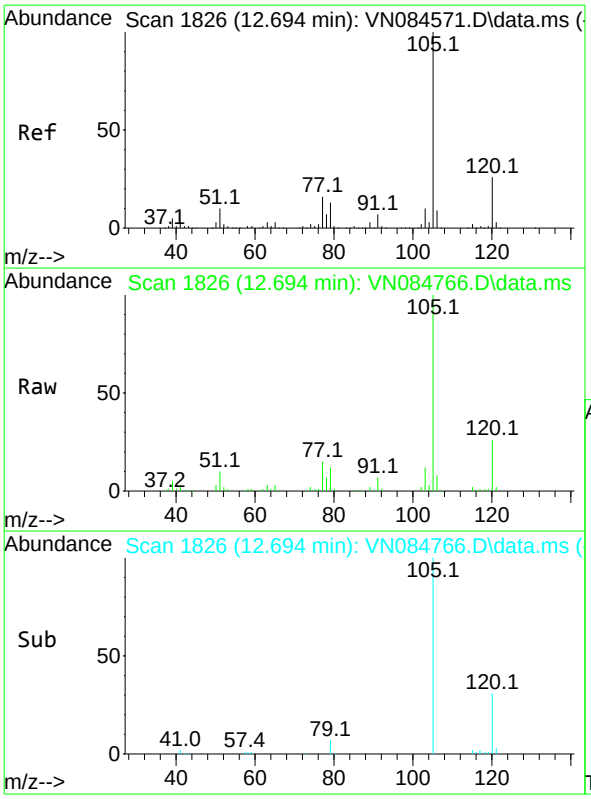


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:152 Resp: 123082

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	164.6	0.0	349.8



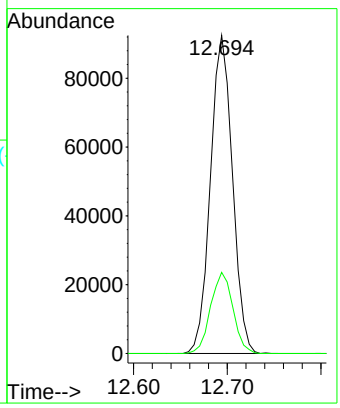


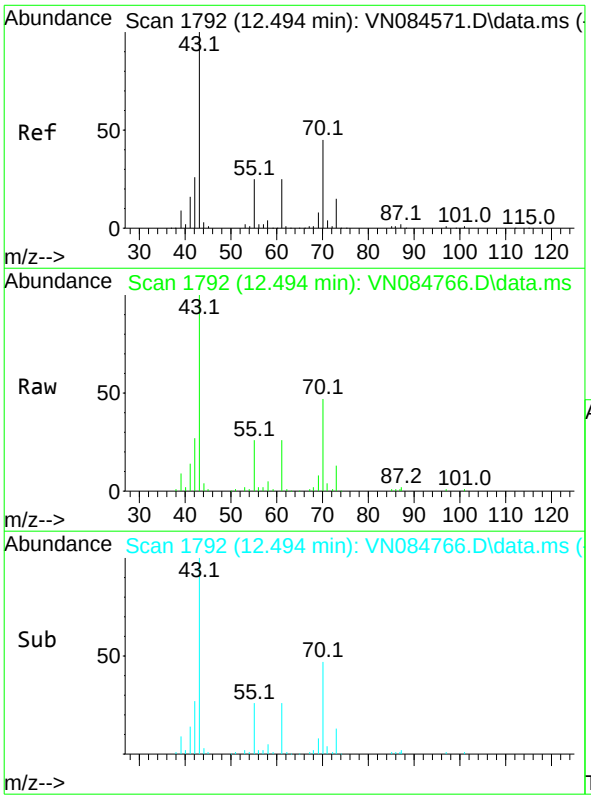
#73
Isopropylbenzene
Concen: 17.513 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:105 Resp: 151056

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

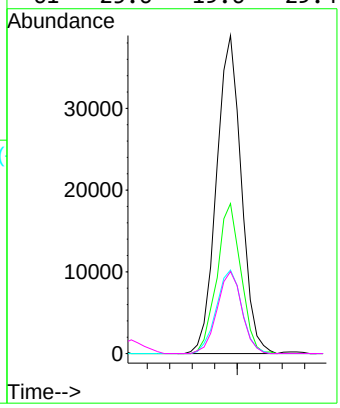


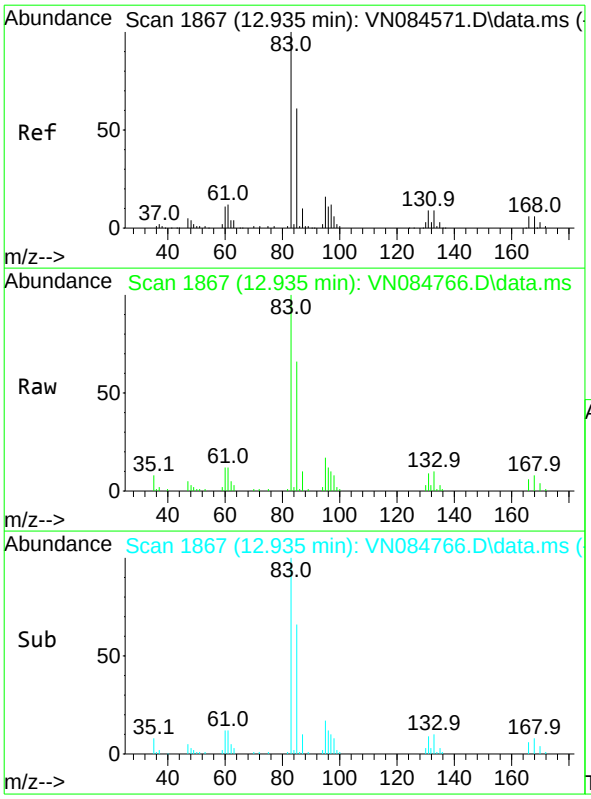


#74
N-amyl acetate
Concen: 16.239 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 43 Resp: 59614

Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.4	51.6
55	27.0	19.6	29.4
61	25.6	19.6	29.4



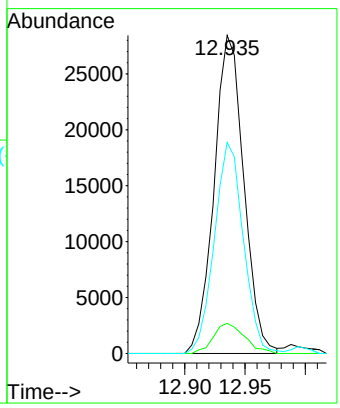


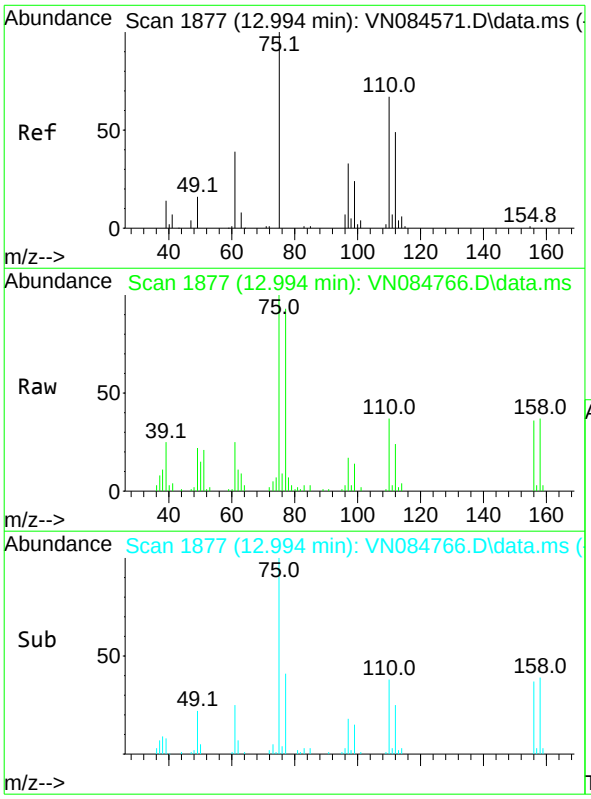
#75
1,1,2,2-Tetrachloroethane
Concen: 16.948 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 83 Resp: 48794

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.7	31.9	95.7

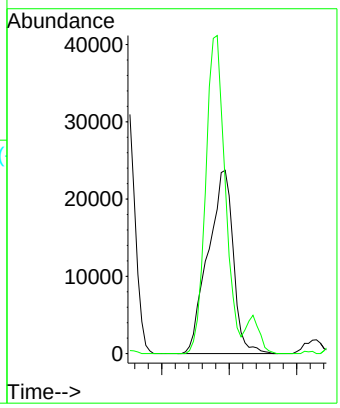


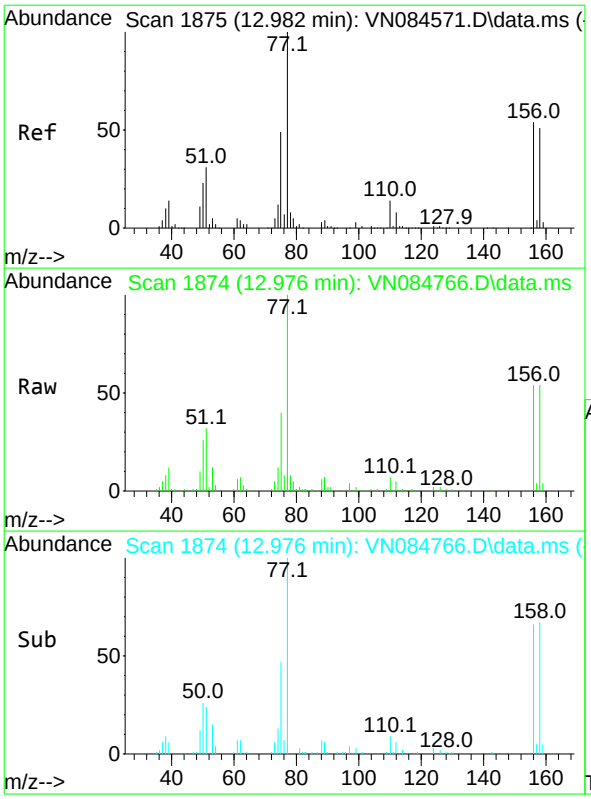


#76
1,2,3-Trichloropropane
Concen: 24.984 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 61469

Ion	Ratio	Lower	Upper
75	100		
77	134.3	96.9	290.7



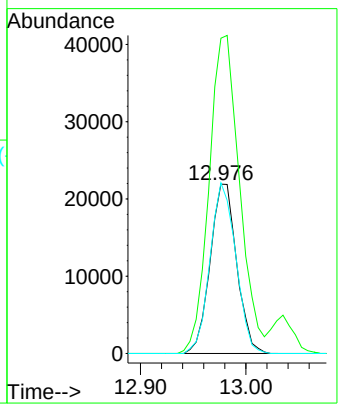


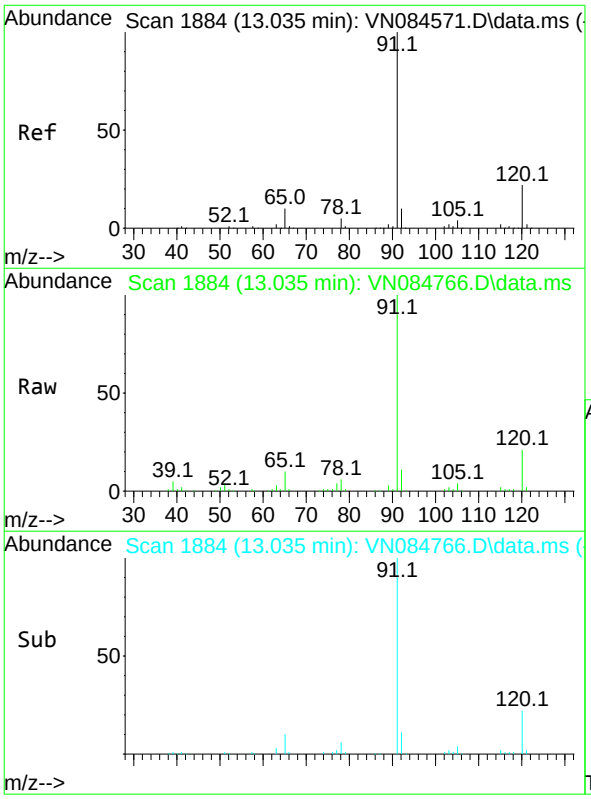
#77
Bromobenzene
Concen: 16.541 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:156 Resp: 38355

Ion	Ratio	Lower	Upper
156	100		
77	215.3	115.1	345.3
158	98.0	48.9	146.8

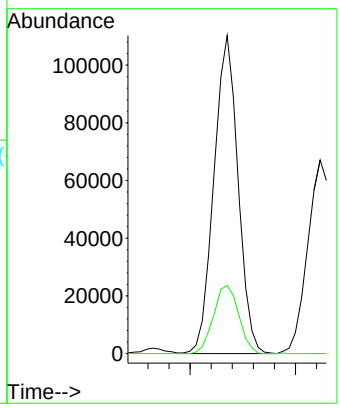


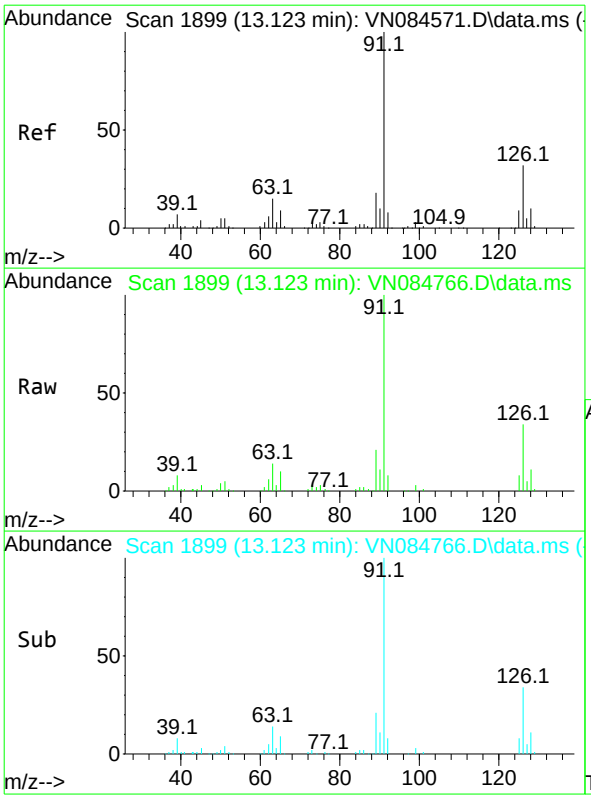


#78
n-propylbenzene
Concen: 17.330 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 175156

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



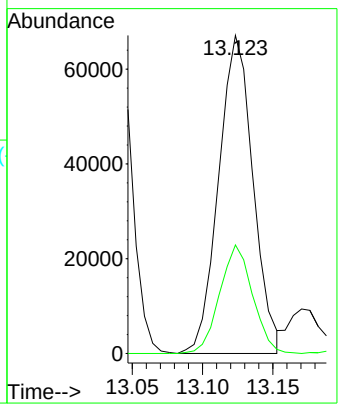


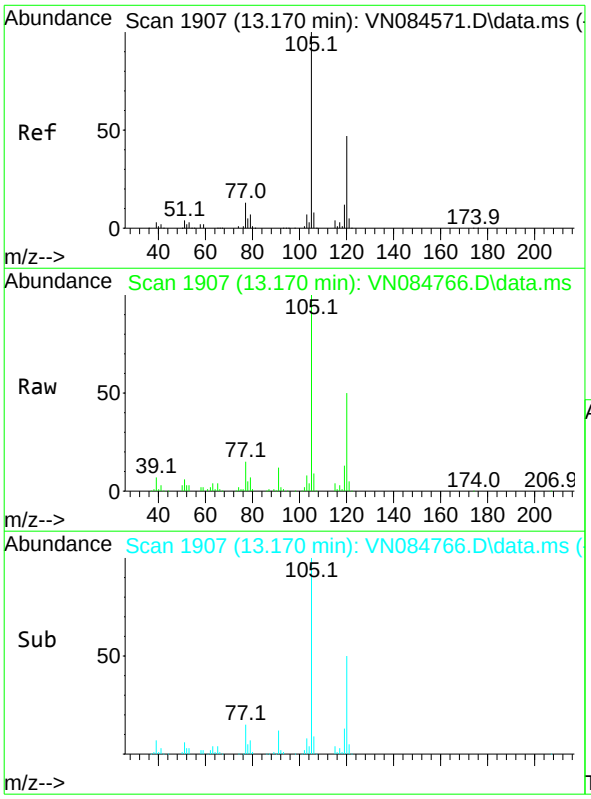
#79
2-Chlorotoluene
Concen: 17.334 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 91 Resp: 114478

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

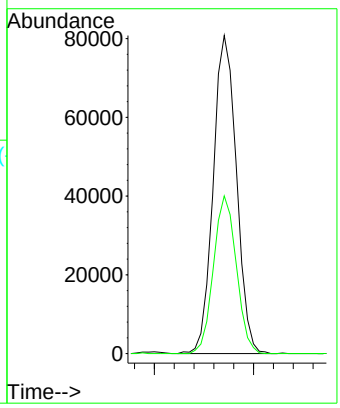


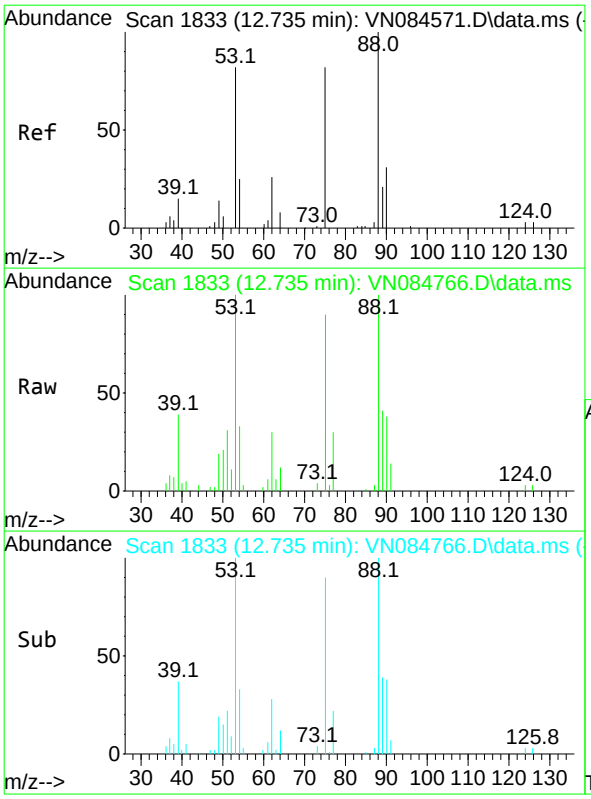


#80
1,3,5-Trimethylbenzene
Concen: 18.384 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 131426

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.7	71.1



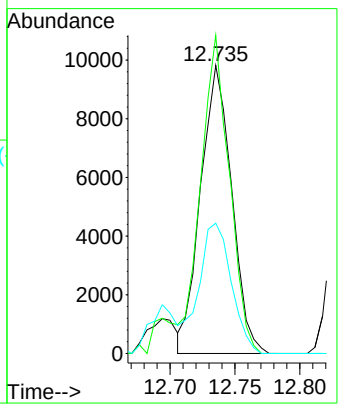


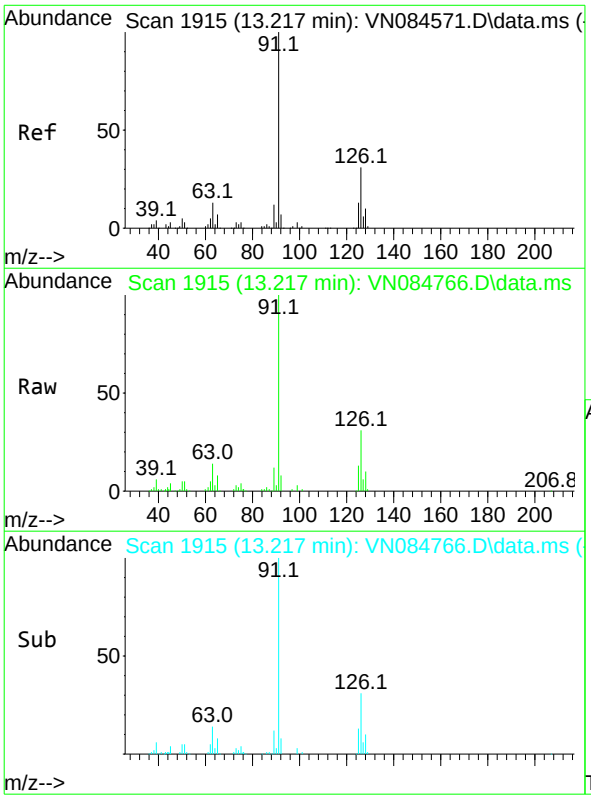
#81
trans-1,4-Dichloro-2-butene
Concen: 15.801 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 75 Resp: 16387

Ion	Ratio	Lower	Upper
75	100		
53	101.5	78.0	117.0
89	47.7	35.5	53.3

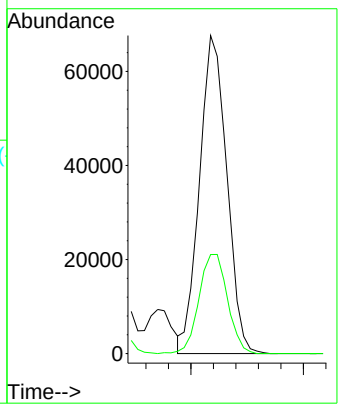


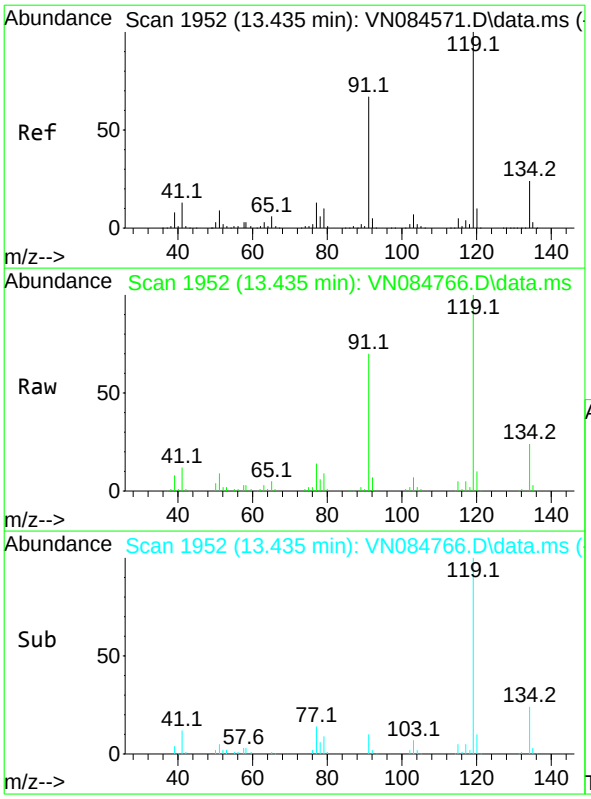


#82
4-Chlorotoluene
Concen: 16.411 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 91 Resp: 114060

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1



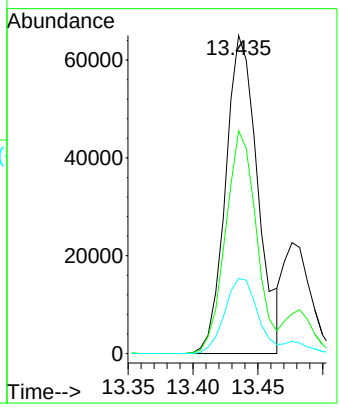


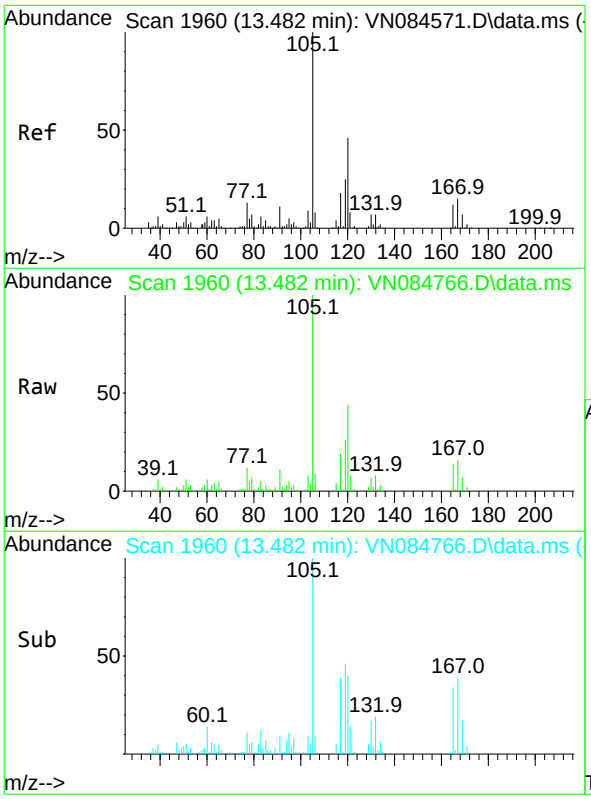
#83
tert-Butylbenzene
Concen: 18.963 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:119 Resp: 112196

Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	24.8	12.8	38.4

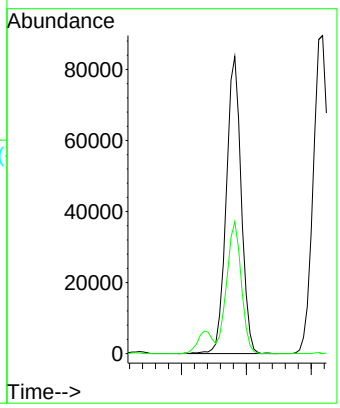


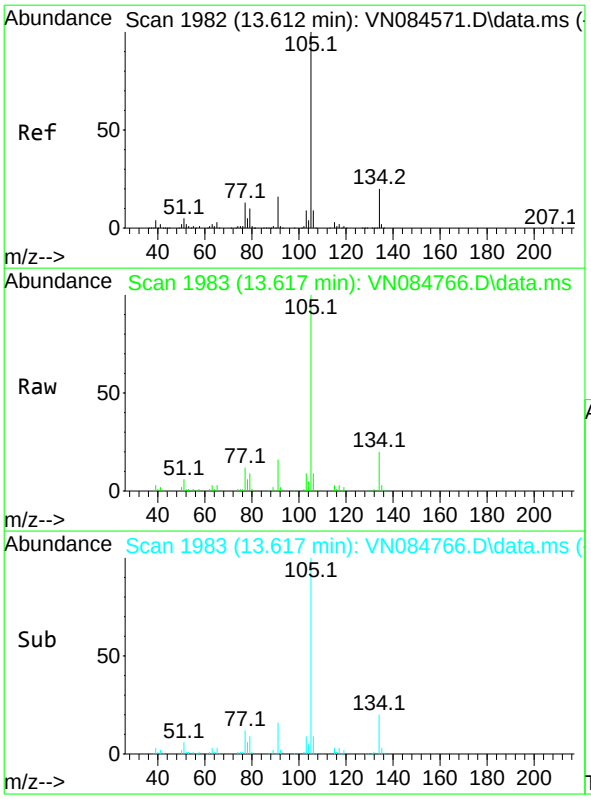


#84
1,2,4-Trimethylbenzene
Concen: 18.166 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:105 Resp: 134030

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.8



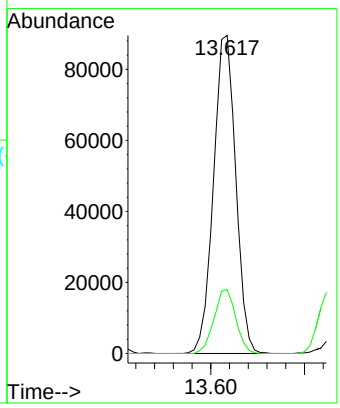


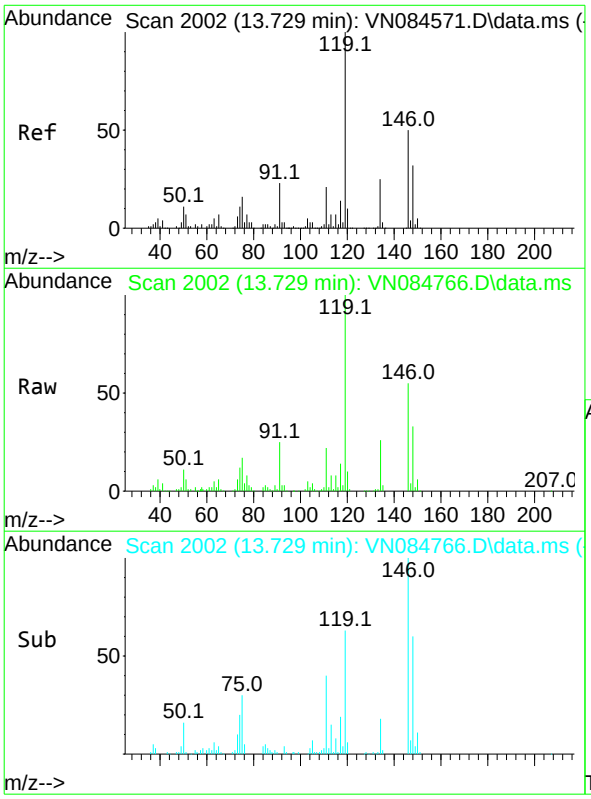
#85
sec-Butylbenzene
Concen: 17.672 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:105 Resp: 147689

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

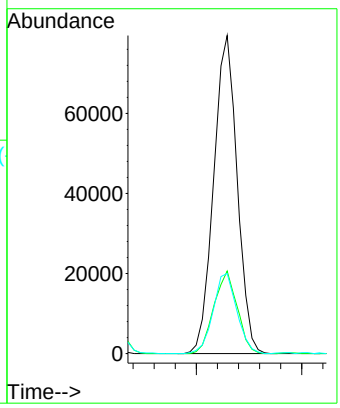


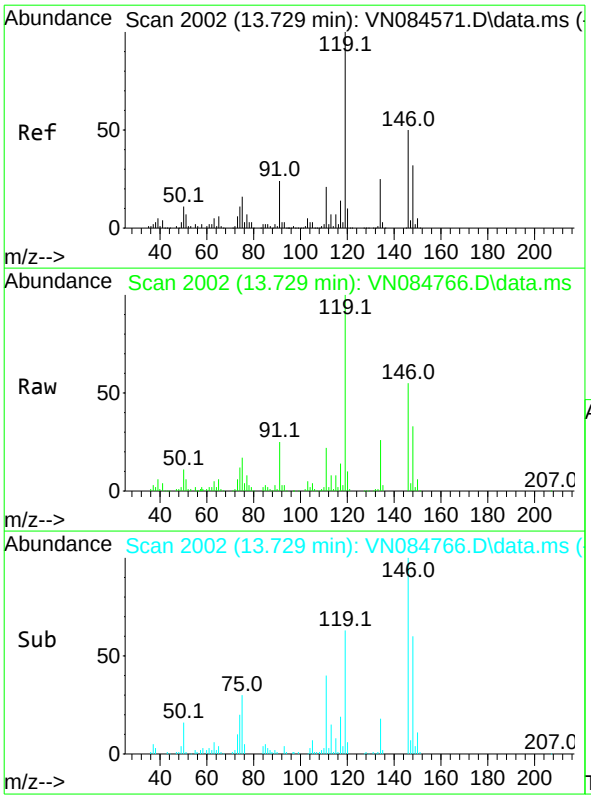


#86
p-Isopropyltoluene
Concen: 17.959 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:119 Resp: 123092

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	25.4	12.4	37.2



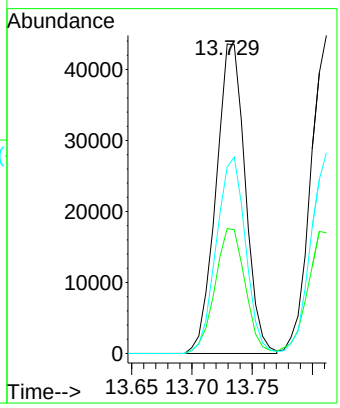


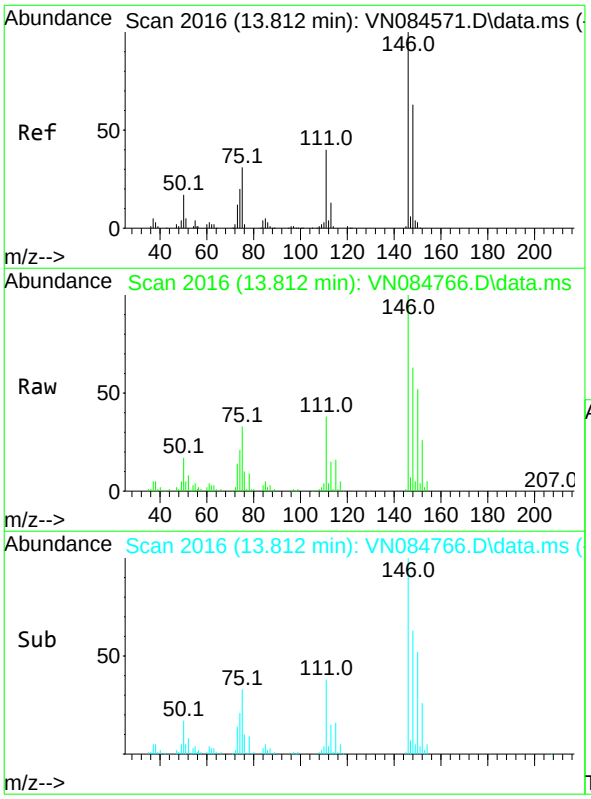
#87
1,3-Dichlorobenzene
Concen: 16.265 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:146 Resp: 73601

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	63.2	31.9	95.7

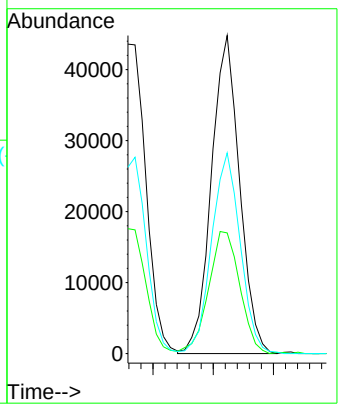


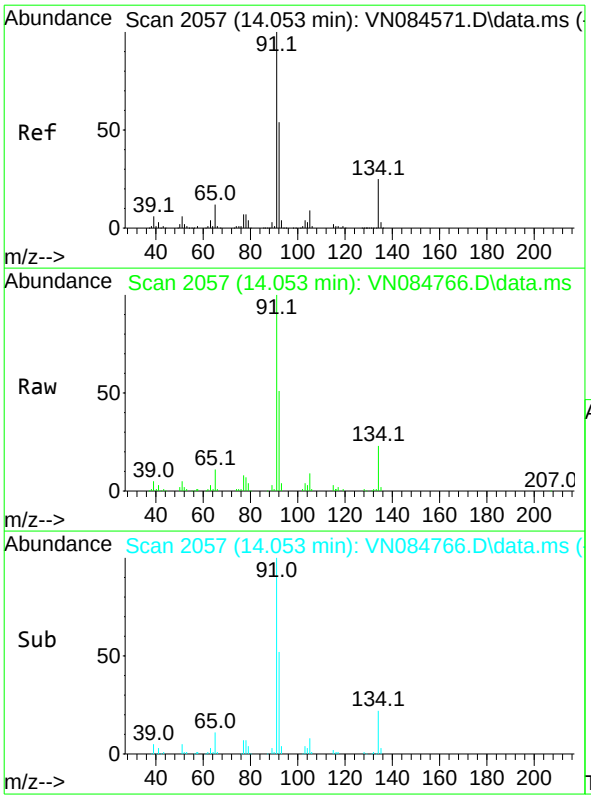


#88
1,4-Dichlorobenzene
Concen: 16.823 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:146 Resp: 72855

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.2	31.9	95.9



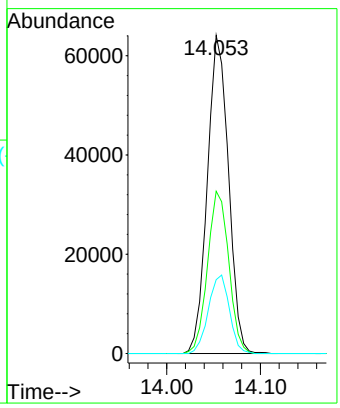


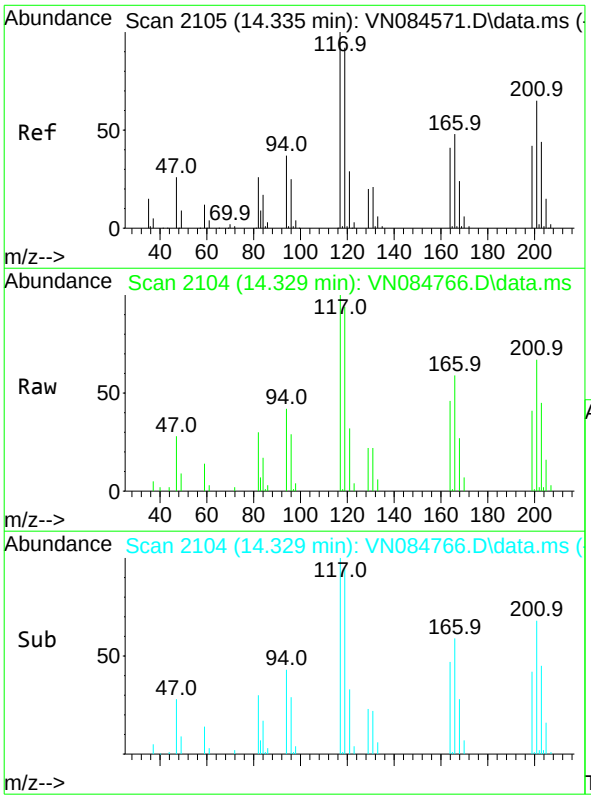
#89
n-Butylbenzene
Concen: 15.670 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion: 91 Resp: 100465

Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.6	79.7
134	24.5	12.3	36.9

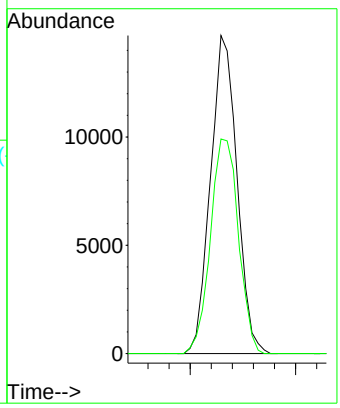


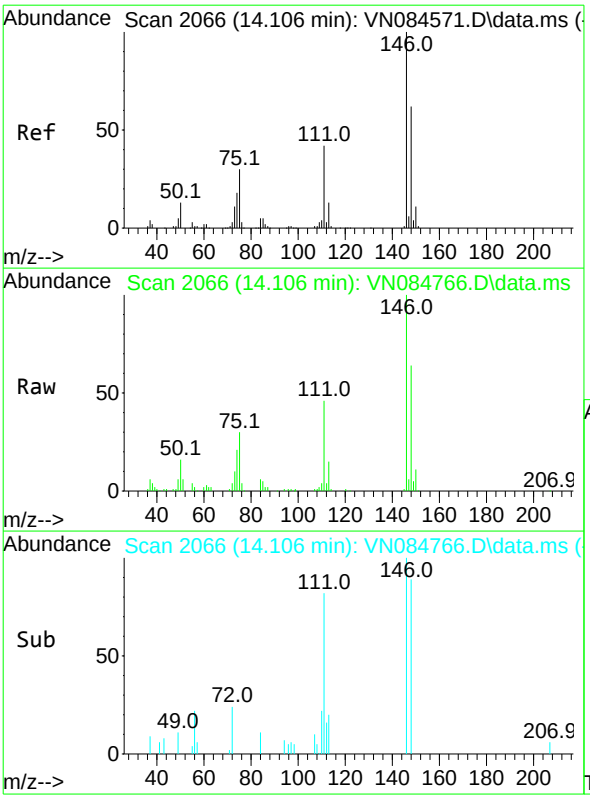


#90
Hexachloroethane
Concen: 16.771 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:117 Resp: 25635

Ion	Ratio	Lower	Upper
117	100		
201	71.4	34.4	103.2



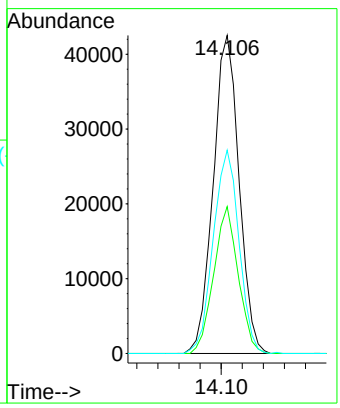


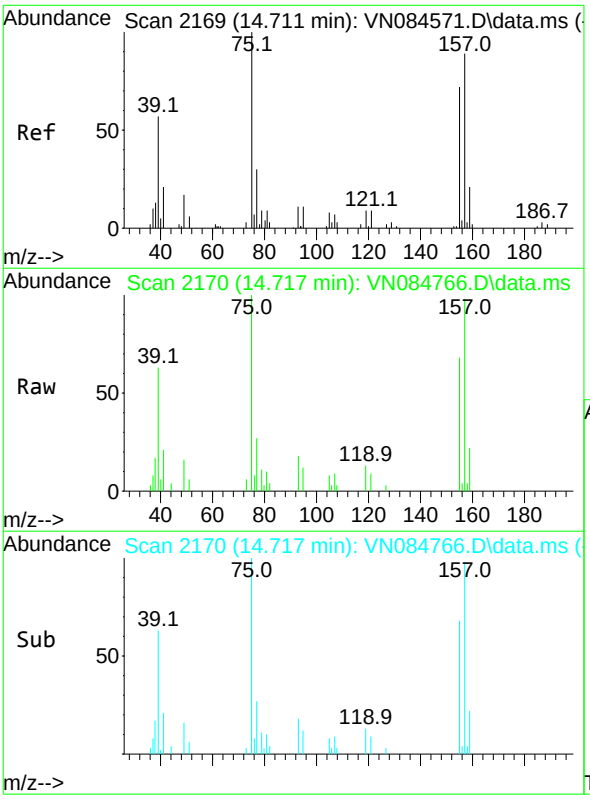
#91
1,2-Dichlorobenzene
Concen: 16.651 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:146 Resp: 72406

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	63.7	32.1	96.3

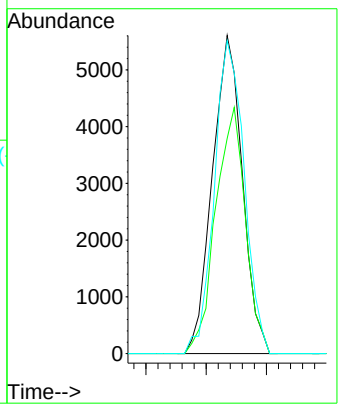


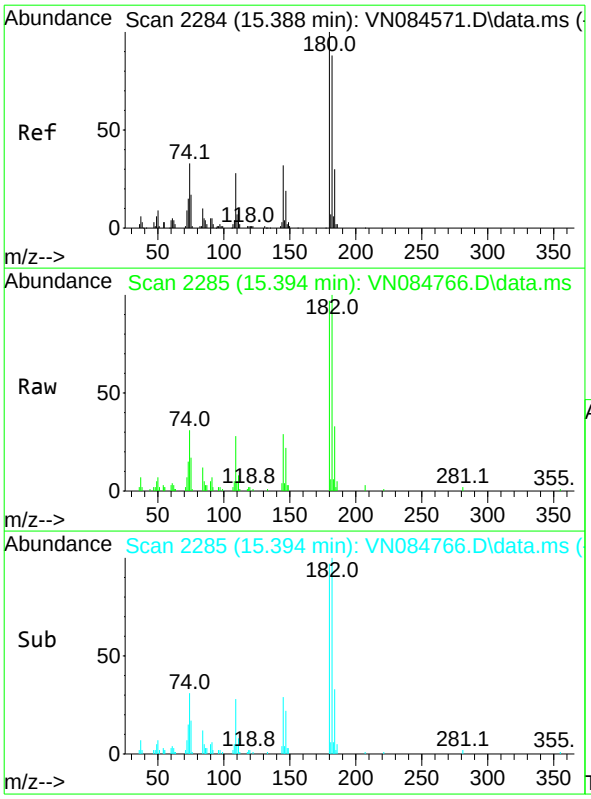


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.604 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion: 75 Resp: 9684

Ion	Ratio	Lower	Upper
75	100		
155	76.7	38.1	114.5
157	98.0	49.6	149.0



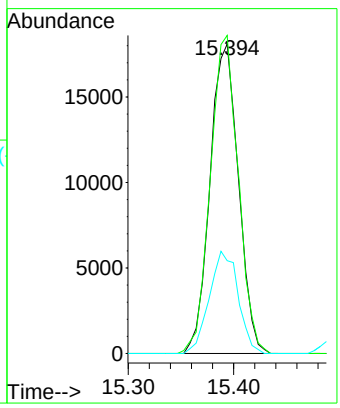


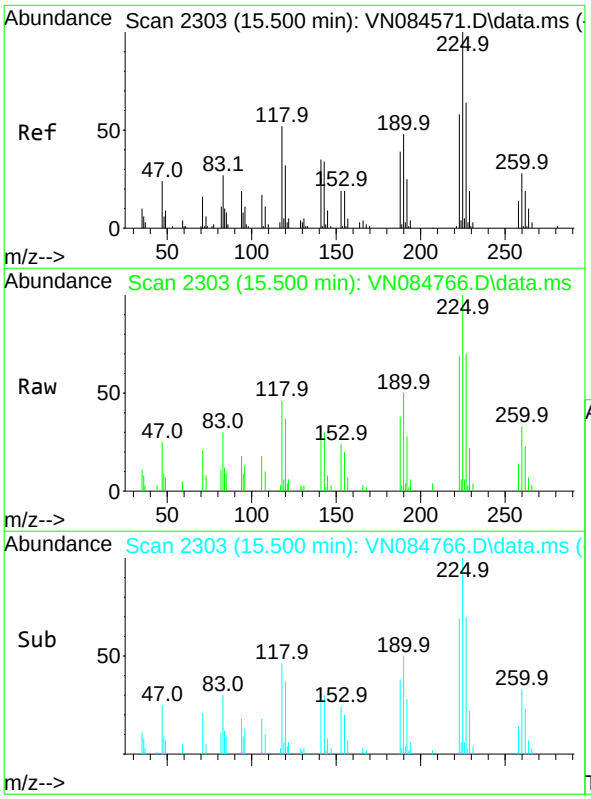
#93
1,2,4-Trichlorobenzene
Concen: 14.234 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:180 Resp: 33879

Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.0	141.0
145	33.5	16.4	49.4

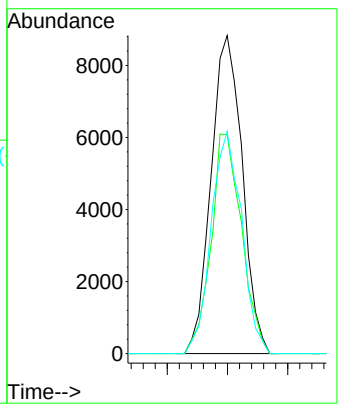


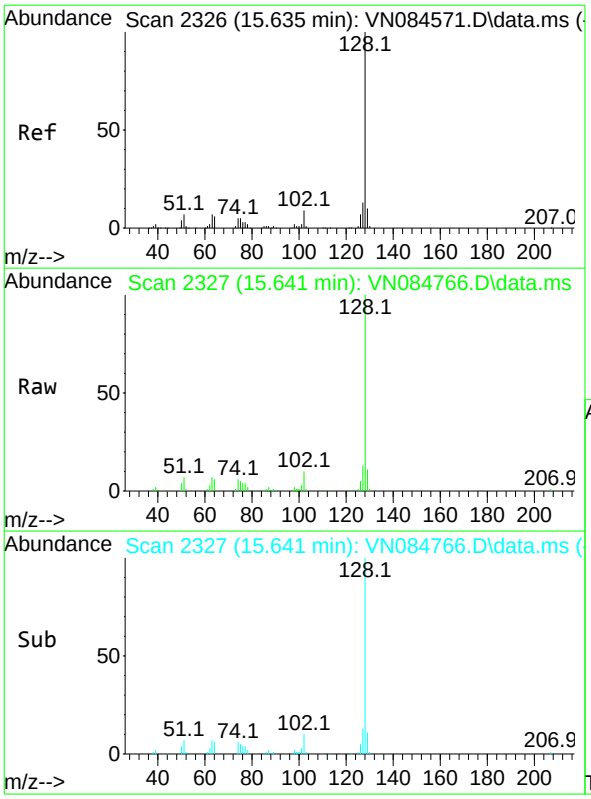


#94
Hexachlorobutadiene
Concen: 15.194 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:225 Resp: 15881

Ion	Ratio	Lower	Upper
225	100		
223	67.6	32.4	97.2
227	68.2	32.4	97.0



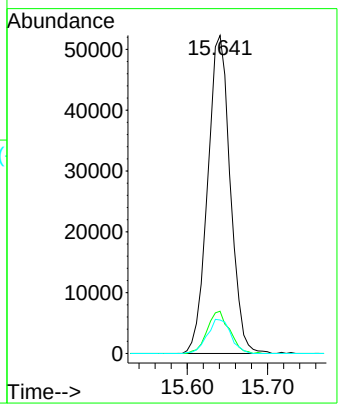


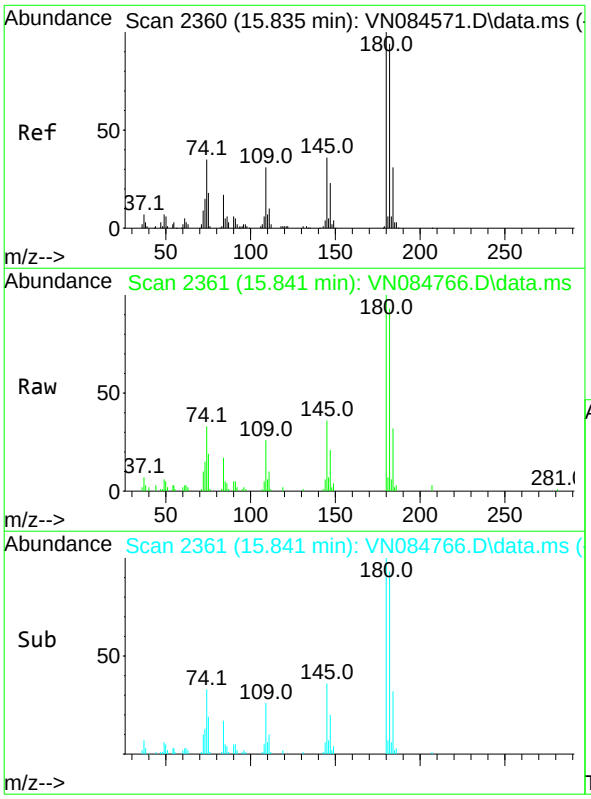
#95
Naphthalene
Concen: 14.330 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tgt Ion:128 Resp: 102086

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.2	8.7	13.1

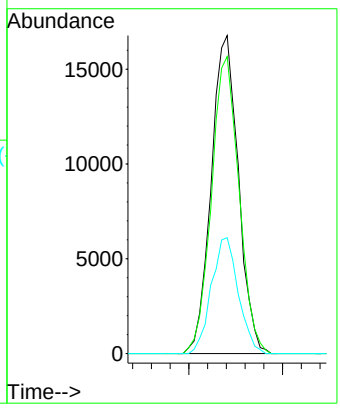




#96
1,2,3-Trichlorobenzene
Concen: 14.621 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084766.D
Acq: 11 Nov 2024 12:54

Tgt Ion:180 Resp: 33780

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.2	144.6
145	36.1	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	291331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118955	46.659	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.320%			
35) Dibromofluoromethane	8.165	113	97314	49.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	10.565	98	351476	48.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.780%			
62) 4-Bromofluorobenzene	12.847	95	135180	49.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	84501	41.643	ug/l	96
3) Chloromethane	2.360	50	90304	37.285	ug/l	96
4) Vinyl Chloride	2.512	62	99906	45.776	ug/l	97
5) Bromomethane	2.901	94	51624	44.644	ug/l	99
6) Chloroethane	3.054	64	65003	48.061	ug/l	99
7) Trichlorofluoromethane	3.454	101	163963	45.606	ug/l	99
8) Diethyl Ether	3.948	74	59294	46.753	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.348	101	92258	45.414	ug/l	97
10) Methyl Iodide	4.571	142	120168	44.260	ug/l	98
11) Tert butyl alcohol	5.548	59	106297	315.868	ug/l	99
12) 1,1-Dichloroethene	4.318	96	85753	42.660	ug/l	98
13) Acrolein	4.171	56	83096	247.625	ug/l	99
14) Allyl chloride	5.006	41	144576	44.349	ug/l	91
15) Acrylonitrile	5.718	53	245495	251.991	ug/l	99
16) Acetone	4.430	43	198198	269.348	ug/l	93
17) Carbon Disulfide	4.689	76	223087	36.038	ug/l	99
18) Methyl Acetate	5.018	43	130899	48.542	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	305562	49.595	ug/l	96
20) Methylene Chloride	5.259	84	98051	43.728	ug/l	86
21) trans-1,2-Dichloroethene	5.771	96	88013	42.641	ug/l	97
22) Diisopropyl ether	6.671	45	298223	46.040	ug/l	96
23) Vinyl Acetate	6.595	43	1081205	242.044	ug/l	98
24) 1,1-Dichloroethane	6.565	63	173686	44.661	ug/l	99
25) 2-Butanone	7.483	43	325803	273.920	ug/l	98
26) 2,2-Dichloropropane	7.483	77	140167	41.411	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	108592	45.057	ug/l	96
28) Bromochloromethane	7.806	49	72979	47.101	ug/l	92
29) Tetrahydrofuran	7.836	42	205582	260.536	ug/l	94
30) Chloroform	7.959	83	185103	46.764	ug/l	99
31) Cyclohexane	8.253	56	141733	40.267	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	168045	46.644	ug/l	98
36) 1,1-Dichloropropene	8.365	75	119608	43.735	ug/l	97
37) Ethyl Acetate	7.553	43	123291	49.688	ug/l	97
38) Carbon Tetrachloride	8.353	117	147502	48.253	ug/l	97
39) Methylcyclohexane	9.594	83	133862	48.113	ug/l	99
40) Benzene	8.600	78	391445	44.569	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	68548	51.372 ug/l		95
42) 1,2-Dichloroethane	8.665	62	133491	46.931 ug/l		99
43) Isopropyl Acetate	8.688	43	243452	53.170 ug/l		99
44) Trichloroethene	9.347	130	91914	45.377 ug/l		100
45) 1,2-Dichloropropane	9.618	63	95605	46.403 ug/l		95
46) Dibromomethane	9.706	93	67476	46.413 ug/l		96
47) Bromodichloromethane	9.888	83	145902	47.610 ug/l	#	97
48) Methyl methacrylate	9.677	41	100305	51.941 ug/l		96
49) 1,4-Dioxane	9.694	88	38986	1139.238 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.447	43	641767	271.309 ug/l		98
52) Toluene	10.630	92	246524	47.993 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	146707	46.248 ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	153802	45.810 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	93404	48.273 ug/l		95
56) Ethyl methacrylate	10.871	69	156659	55.974 ug/l		95
57) 1,3-Dichloropropane	11.159	76	160452	48.318 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	352227	268.948 ug/l		97
59) 2-Hexanone	11.194	43	486706	282.678 ug/l		97
60) Dibromochloromethane	11.359	129	111721	50.662 ug/l		99
61) 1,2-Dibromoethane	11.465	107	96789	48.848 ug/l		99
64) Tetrachloroethene	11.100	164	79480	45.715 ug/l		99
65) Chlorobenzene	11.888	112	263506	45.063 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95834	47.117 ug/l		99
67) Ethyl Benzene	11.959	91	476489	48.816 ug/l		100
68) m/p-Xylenes	12.071	106	359947	97.406 ug/l		99
69) o-Xylene	12.394	106	174747	50.550 ug/l		98
70) Styrene	12.412	104	296821	49.221 ug/l		99
71) Bromoform	12.576	173	76363	49.894 ug/l	#	100
73) Isopropylbenzene	12.694	105	461999	51.499 ug/l		100
74) N-amyl acetate	12.494	43	198094	51.881 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	136784	45.679 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	178471	69.743 ug/l		57
77) Bromobenzene	12.976	156	106796	44.282 ug/l		95
78) n-propylbenzene	13.035	91	513794	48.874 ug/l		97
79) 2-Chlorotoluene	13.124	91	317997	46.294 ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	377354	50.751 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54154	50.205 ug/l		90
82) 4-Chlorotoluene	13.218	91	317522	43.924 ug/l		97
83) tert-Butylbenzene	13.435	119	333151	54.138 ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	381057	49.655 ug/l		99
85) sec-Butylbenzene	13.618	105	440437	50.669 ug/l		100
86) p-Isopropyltoluene	13.729	119	374128	52.480 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	195927	41.628 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	197206	45.560 ug/l		99
89) n-Butylbenzene	14.053	91	310726	46.596 ug/l		98
90) Hexachloroethane	14.329	117	69240	43.552 ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	203390	44.970 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31583	52.063 ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	117324	47.394 ug/l		99
94) Hexachlorobutadiene	15.500	225	48175	44.315 ug/l		100
95) Naphthalene	15.641	128	402741	54.353 ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	115194	47.936 ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

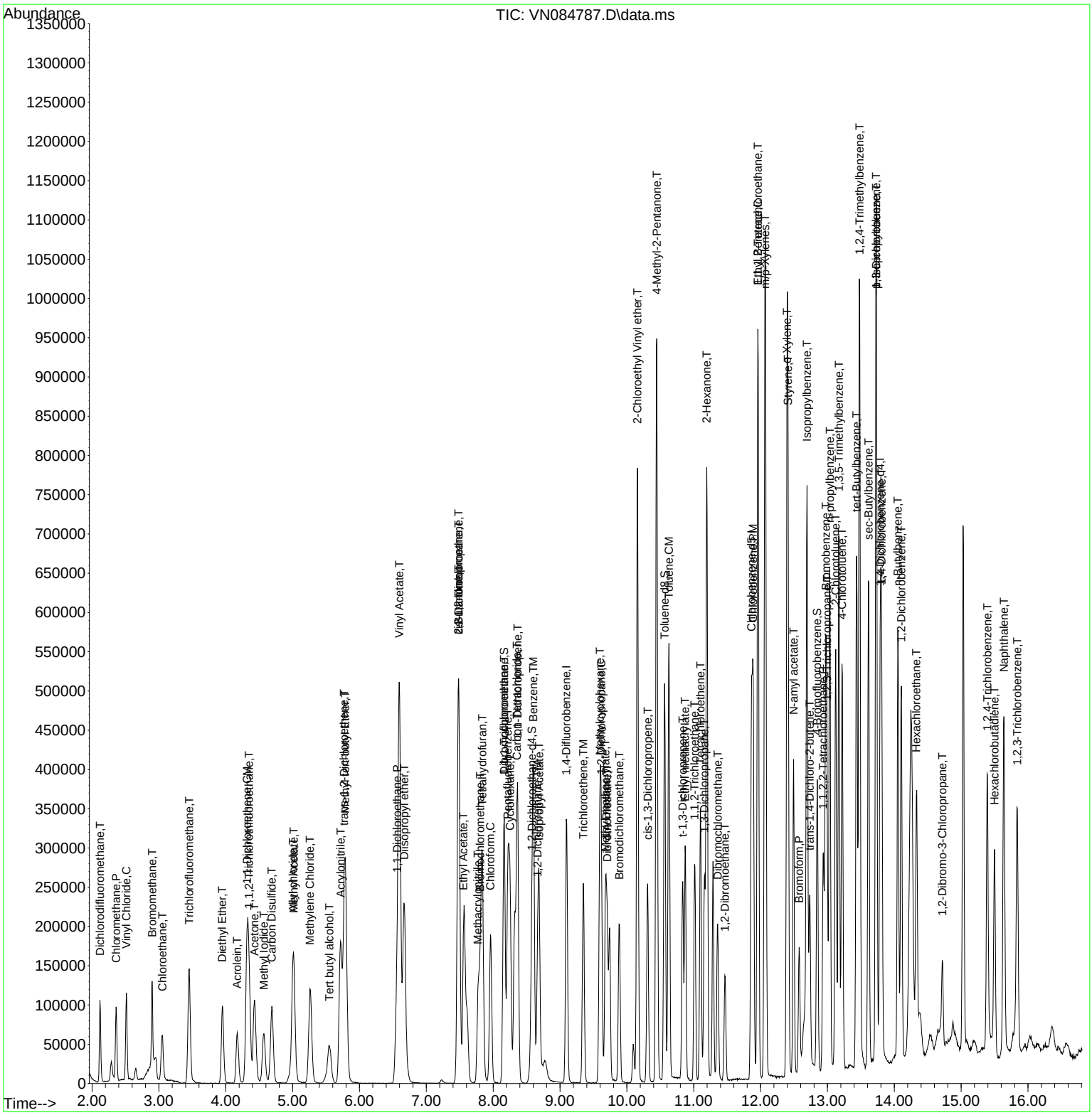
(#) = qualifier out of range (m) = manual integration (+) = signals summed

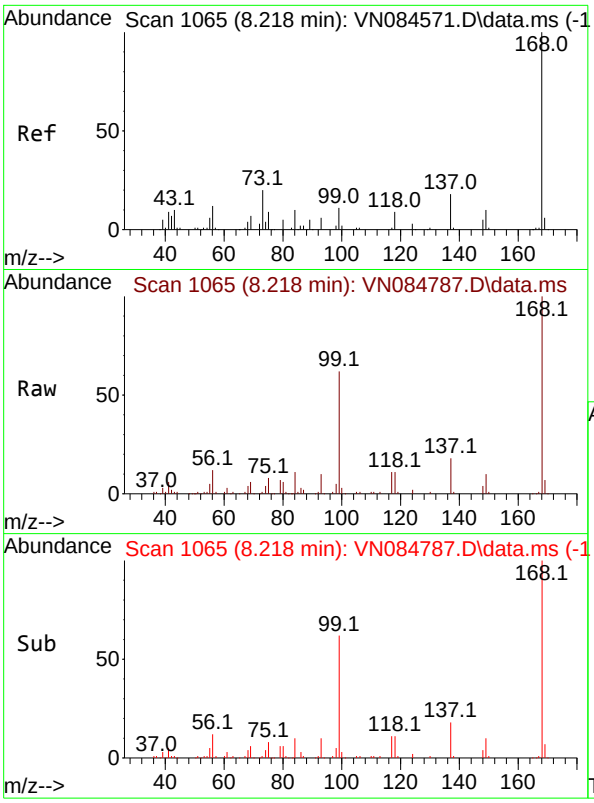
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
Data File : VN084787.D
Acq On : 11 Nov 2024 21:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 12 00:39:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



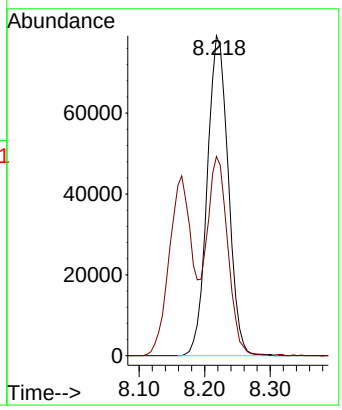


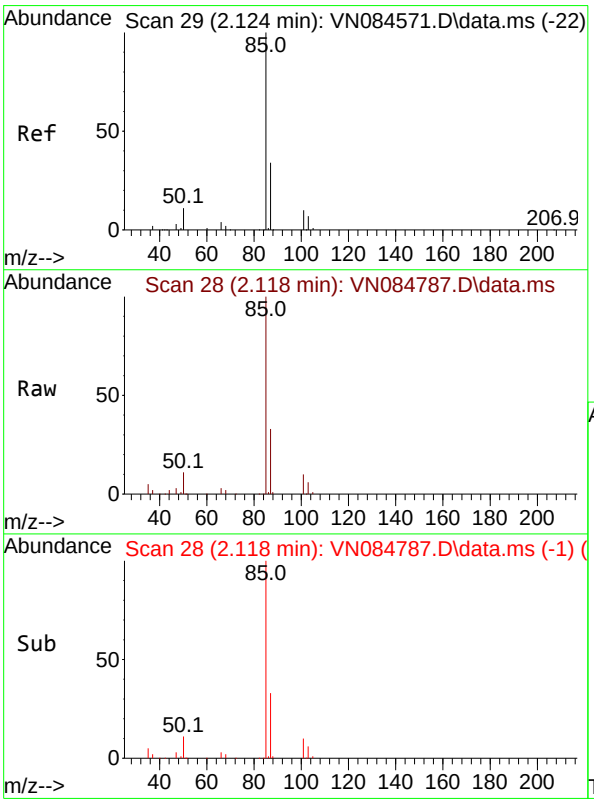
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 176515

Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

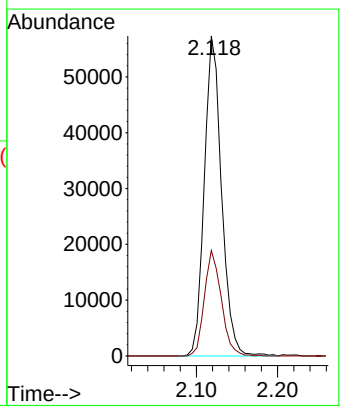


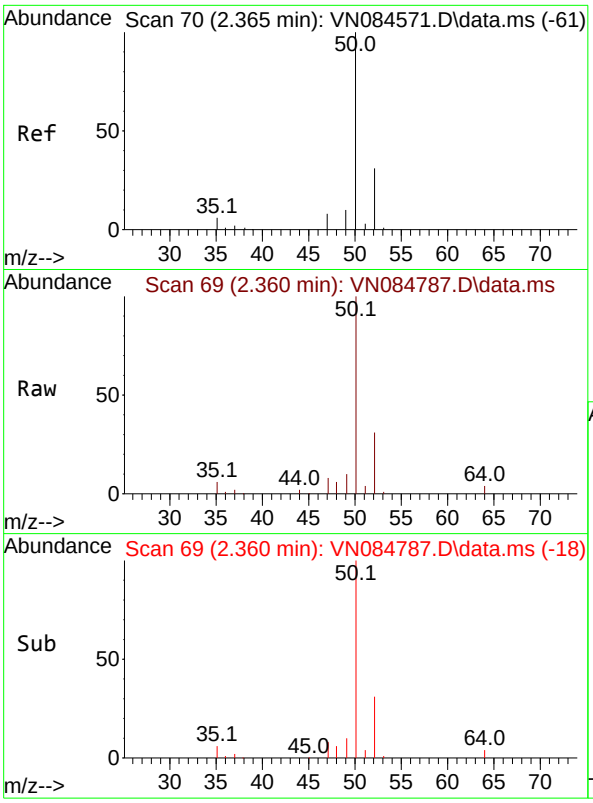


#2
Dichlorodifluoromethane
Concen: 41.643 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 85 Resp: 84501

Ion	Ratio	Lower	Upper
85	100		
87	32.9	17.6	52.9



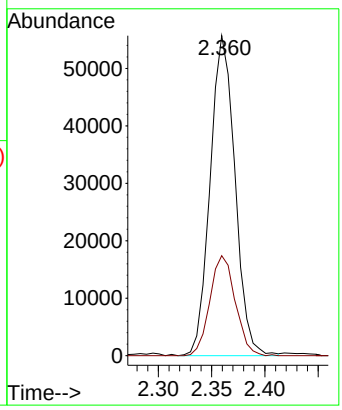


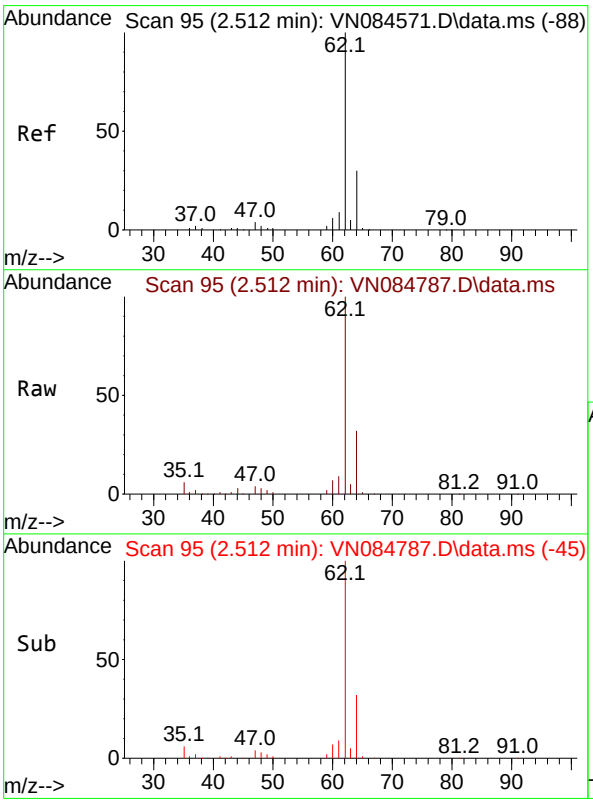
#3
Chloromethane
Concen: 37.285 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 90304

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.8	40.2

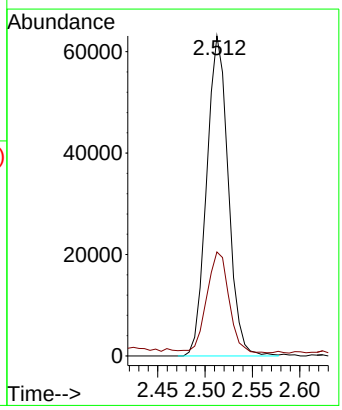


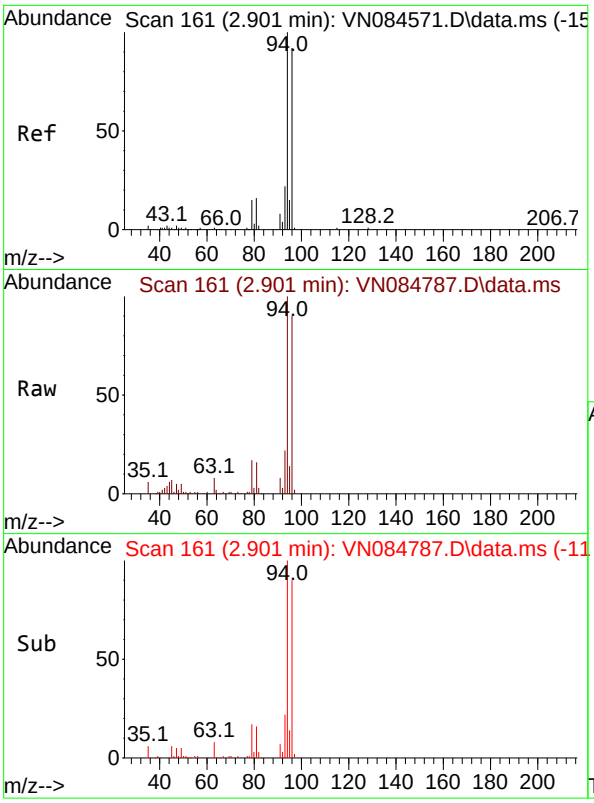


#4
Vinyl Chloride
Concen: 45.776 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 62 Resp: 99906

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.2	39.4



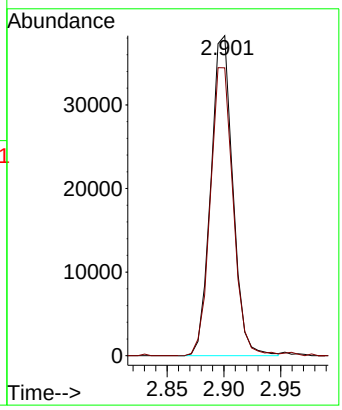


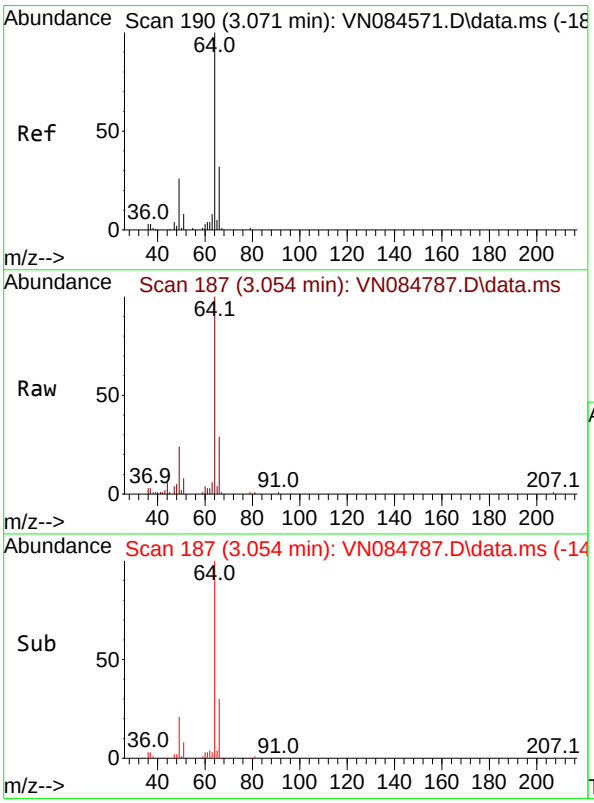
#5
Bromomethane
Concen: 44.644 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 51624

Ion	Ratio	Lower	Upper
94	100		
96	90.0	72.9	109.3

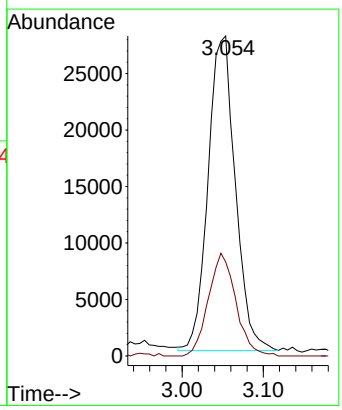


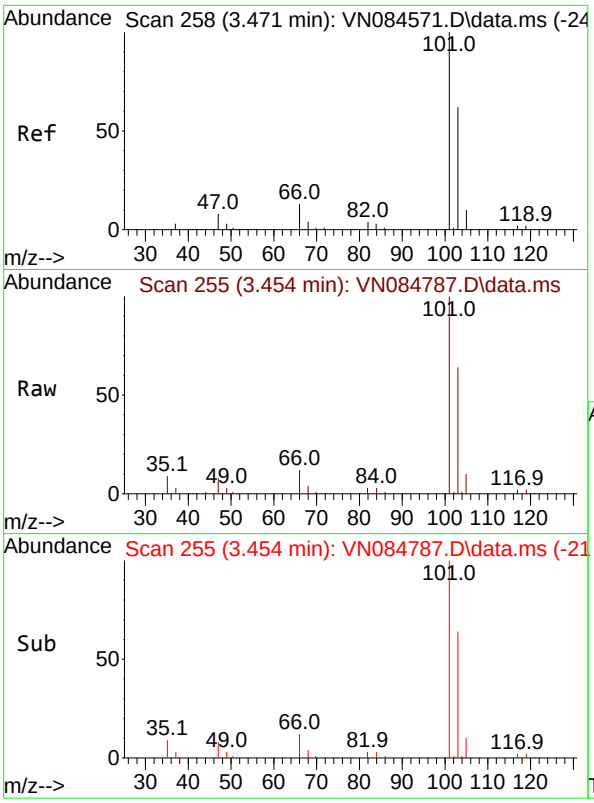


#6
Chloroethane
Concen: 48.061 ug/l
RT: 3.054 min Scan# 187
Delta R.T. -0.064 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 64 Resp: 65003

Ion	Ratio	Lower	Upper
64	100		
66	29.8	23.5	35.3



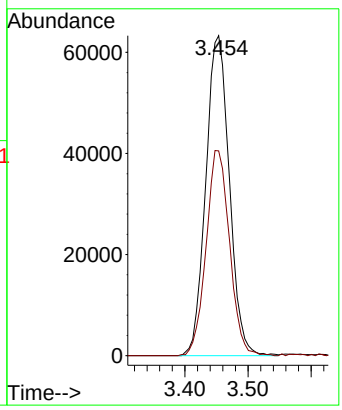


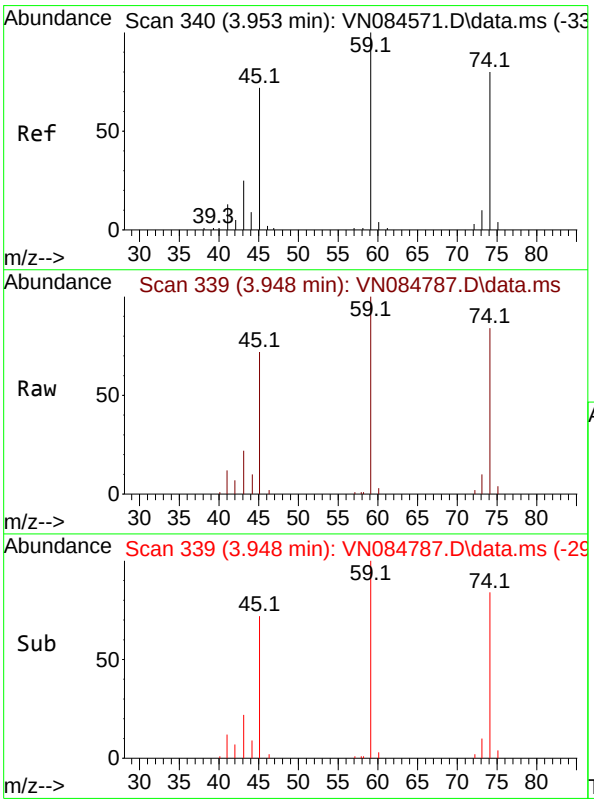
#7
Trichlorofluoromethane
Concen: 45.606 ug/l
RT: 3.454 min Scan# 2
Delta R.T. -0.041 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 163963

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

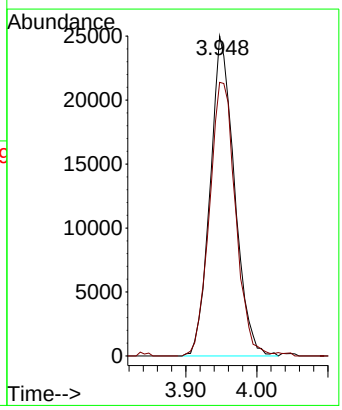


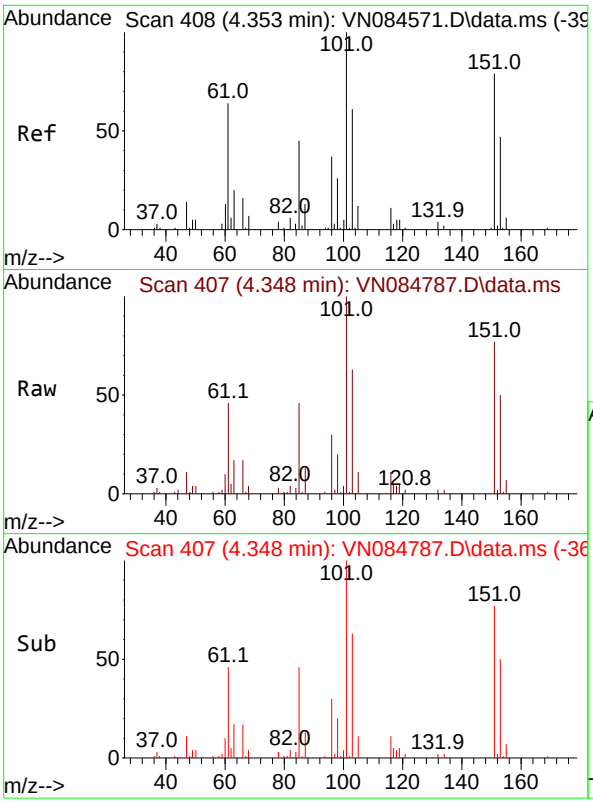


#8
Diethyl Ether
Concen: 46.753 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 74 Resp: 59294

Ion	Ratio	Lower	Upper
74	100		
45	91.7	47.7	143.1



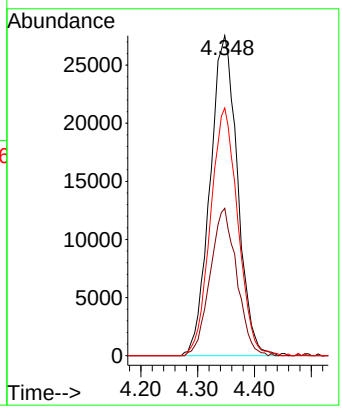


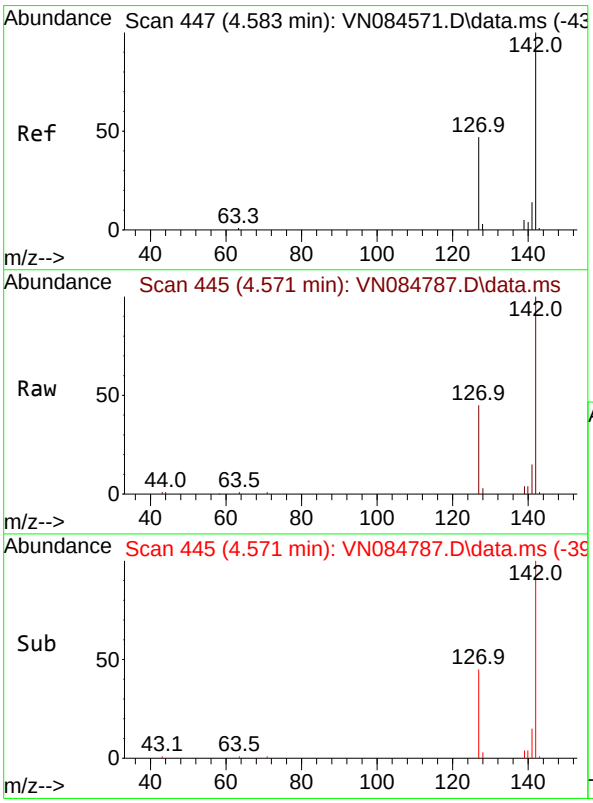
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.414 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 92258

Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.2	54.4
151	77.1	59.3	88.9

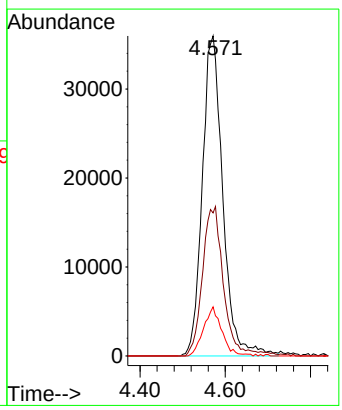


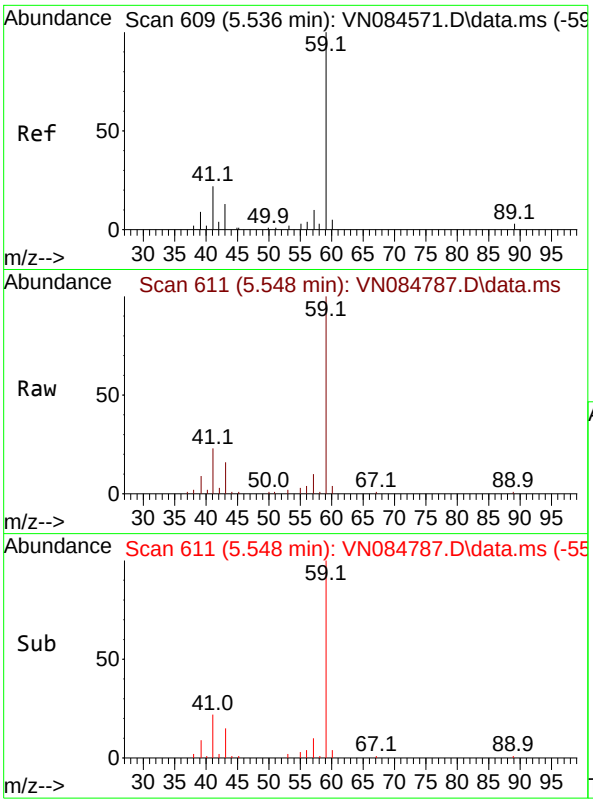


#10
Methyl Iodide
Concen: 44.260 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:142 Resp: 120168

Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.3	52.9
141	15.4	11.0	16.6



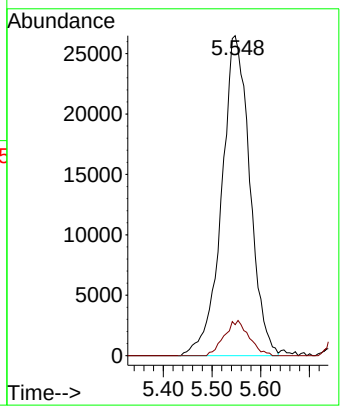


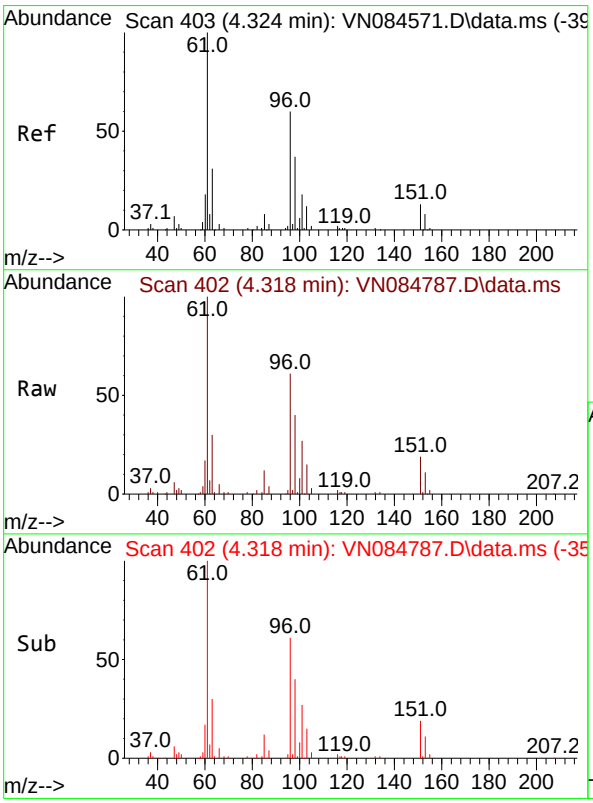
#11
Tert butyl alcohol
Concen: 315.868 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 106297

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

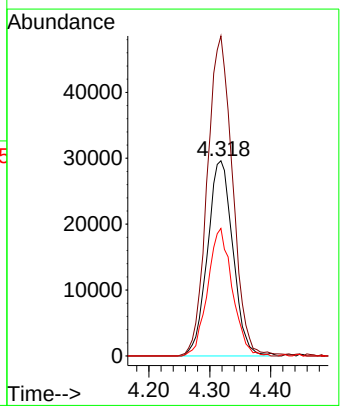


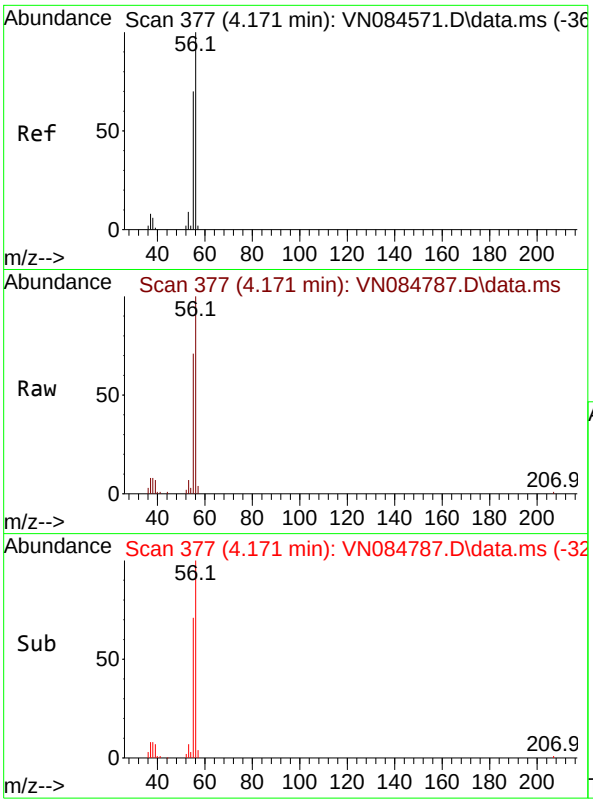


#12
1,1-Dichloroethene
Concen: 42.660 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 96 Resp: 85753

Ion	Ratio	Lower	Upper
96	100		
61	163.9	128.6	192.8
98	65.3	51.7	77.5



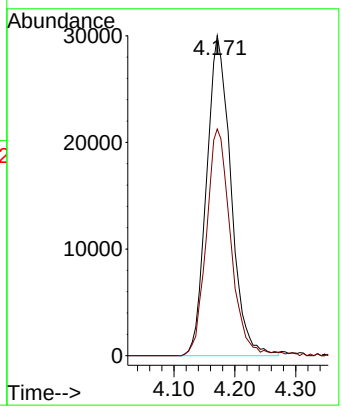


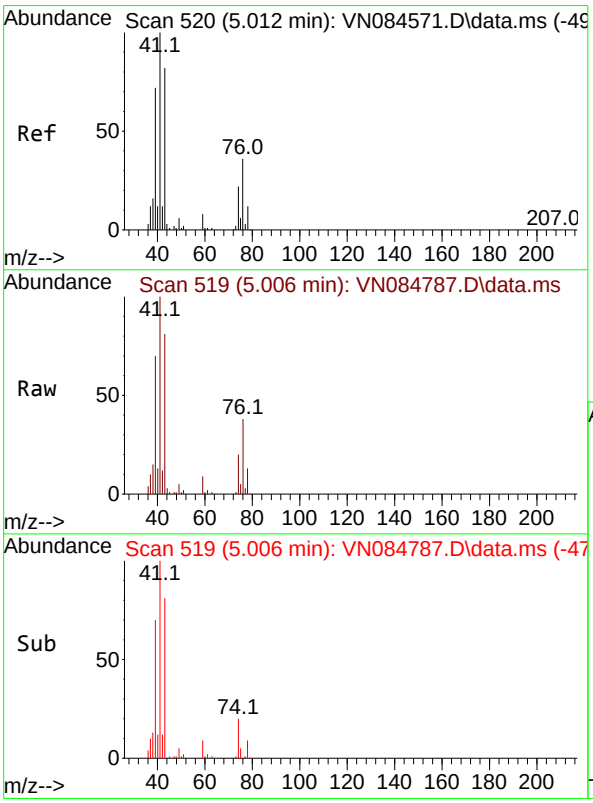
#13
Acrolein
Concen: 247.625 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 83096

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.2	85.8

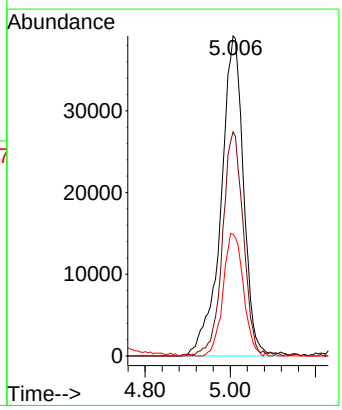


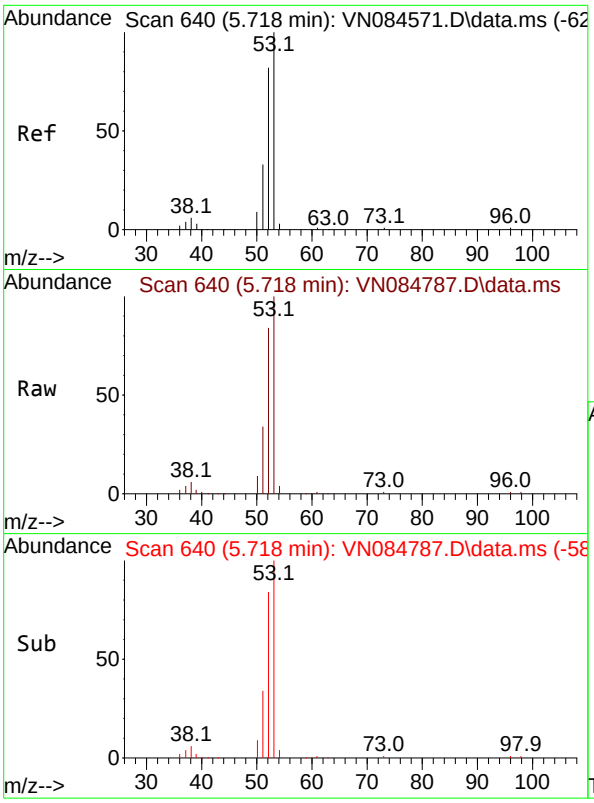


#14
Allyl chloride
Concen: 44.349 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 41 Resp: 144576

Ion	Ratio	Lower	Upper
41	100		
39	64.4	59.0	88.6
76	34.3	29.8	44.6



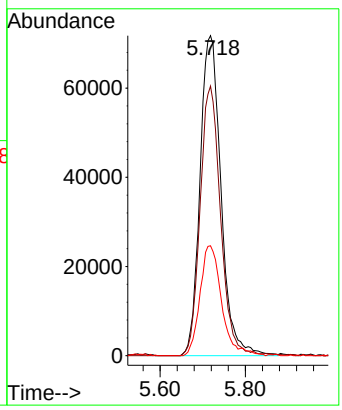


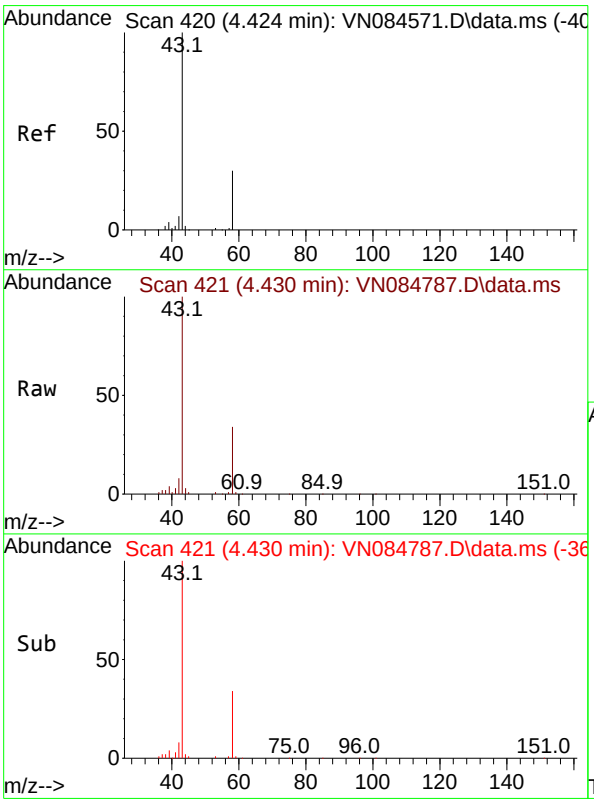
#15
Acrylonitrile
Concen: 251.991 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 245495

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.4
51	35.4	28.8	43.2

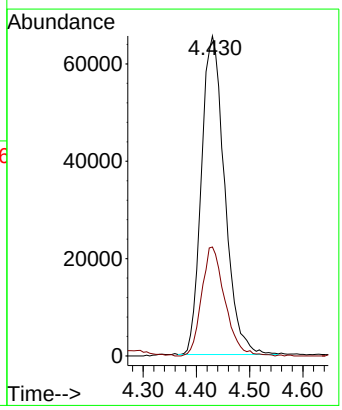


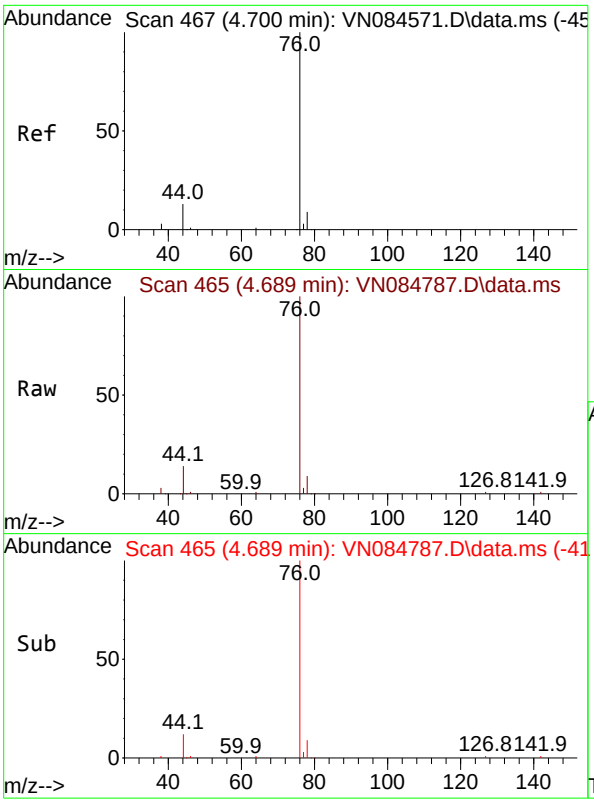


#16
Acetone
Concen: 269.348 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 198198

Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.4	36.6



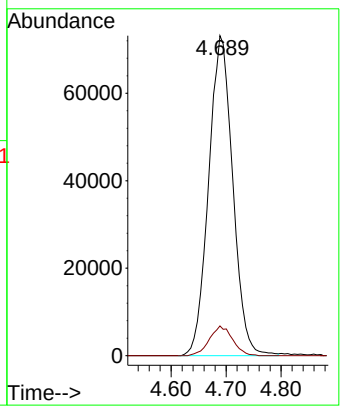


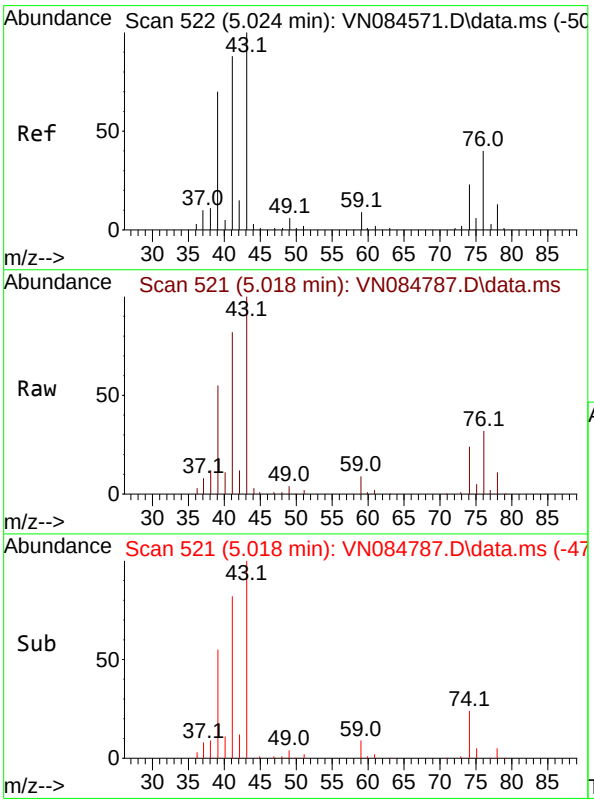
#17
Carbon Disulfide
Concen: 36.038 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 223087

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

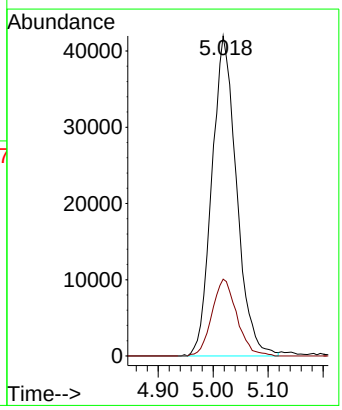


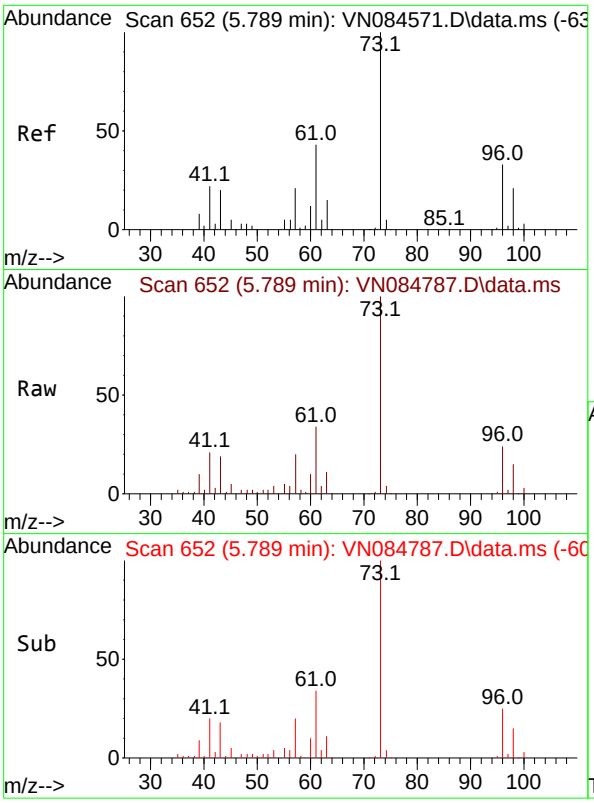


#18
Methyl Acetate
Concen: 48.542 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 130899

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



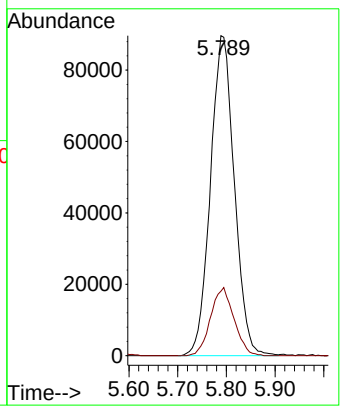


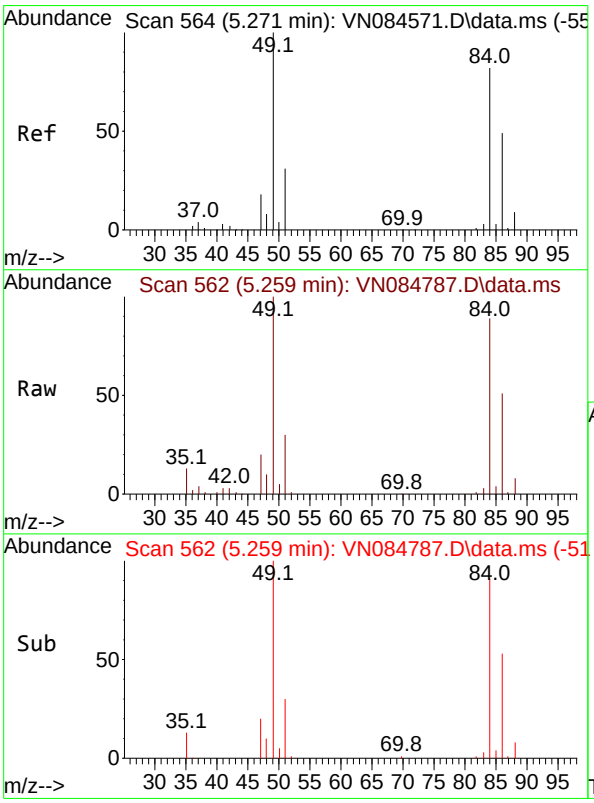
#19
Methyl tert-butyl Ether
Concen: 49.595 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 305562

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.7	26.5

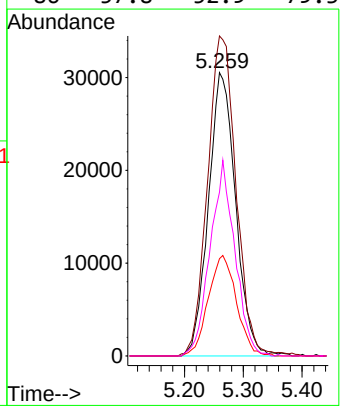


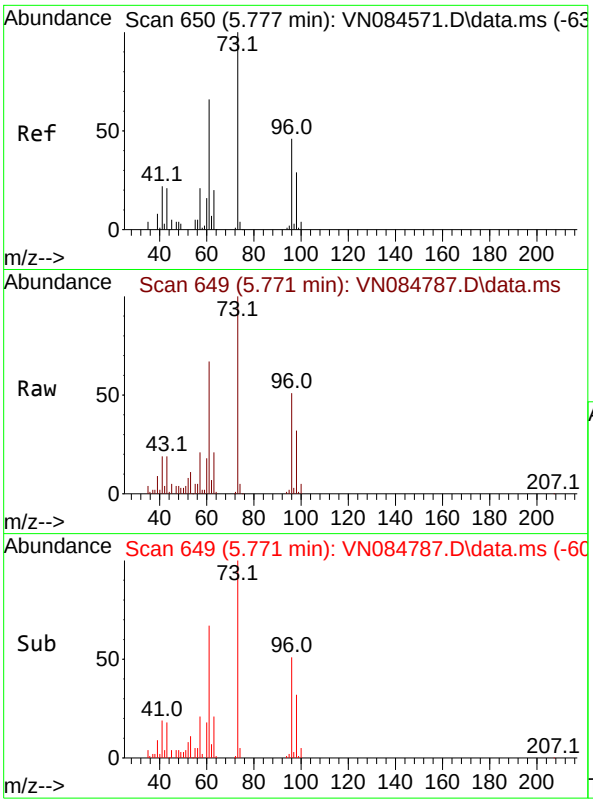


#20
Methylene Chloride
Concen: 43.728 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 84 Resp: 98051

Ion	Ratio	Lower	Upper
84	100		
49	112.9	107.2	160.8
51	34.3	31.8	47.8
86	57.8	52.9	79.3



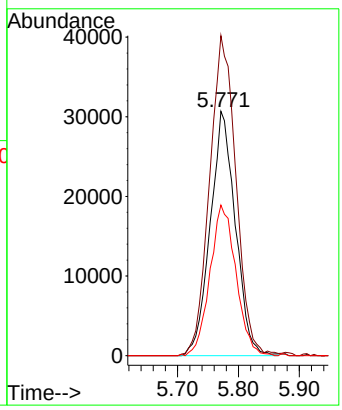


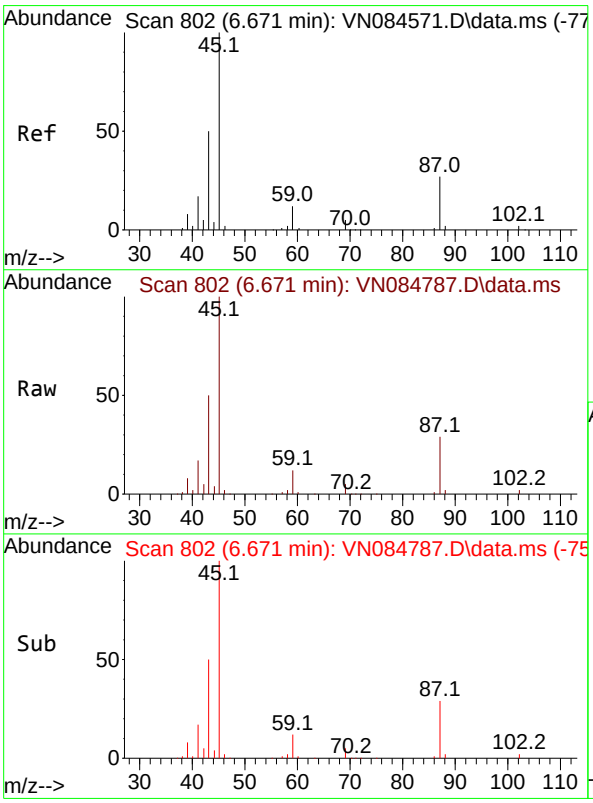
#21
trans-1,2-Dichloroethene
Concen: 42.641 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 88013

Ion	Ratio	Lower	Upper
96	100		
61	131.0	108.4	162.6
98	61.6	49.8	74.8

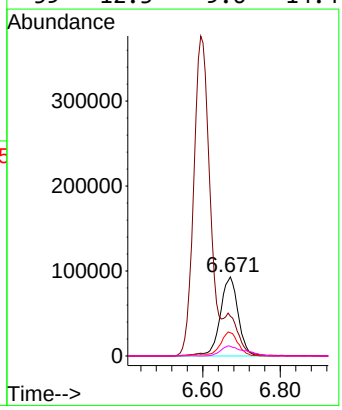


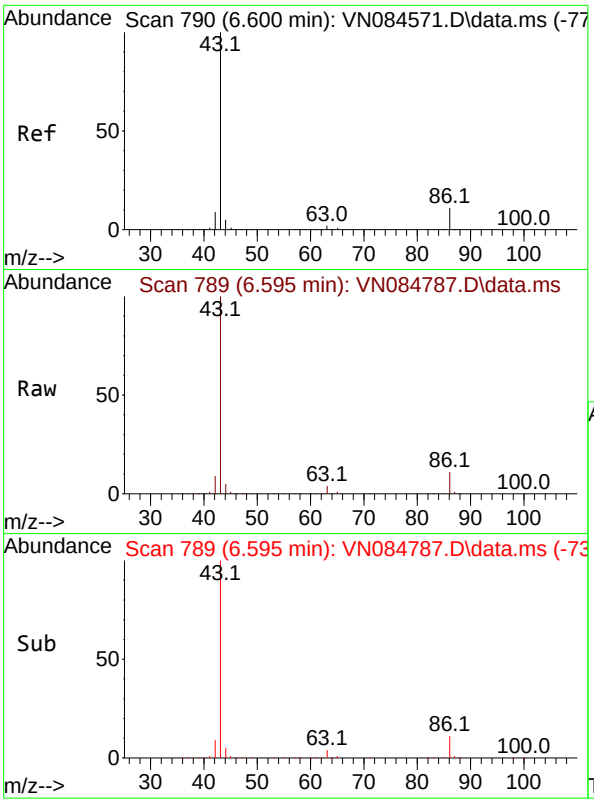


#22
Diisopropyl ether
Concen: 46.040 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 45 Resp: 298223

Ion	Ratio	Lower	Upper
45	100		
43	49.5	42.3	63.5
87	29.4	21.8	32.6
59	12.3	9.6	14.4



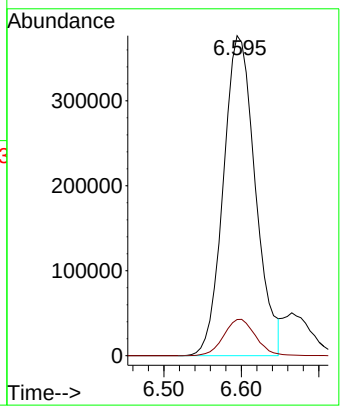


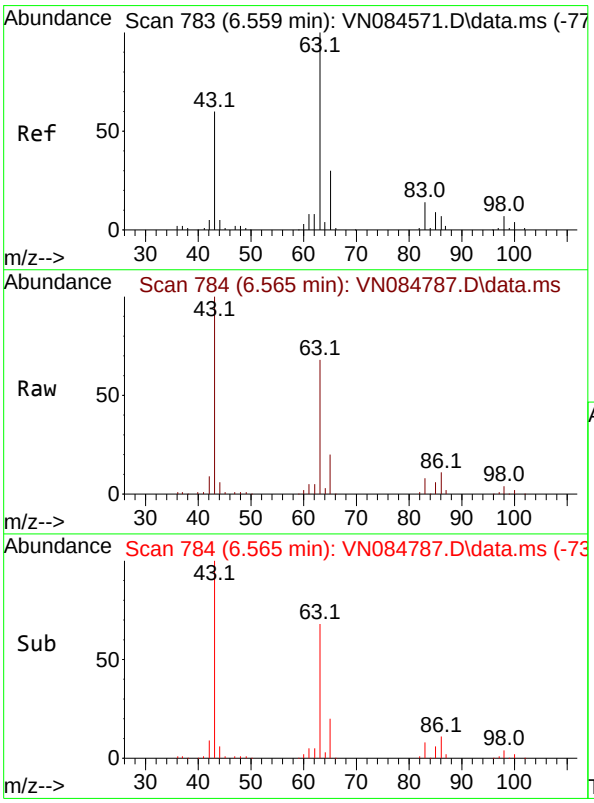
#23
Vinyl Acetate
Concen: 242.044 ug/l
RT: 6.595 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1081205

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

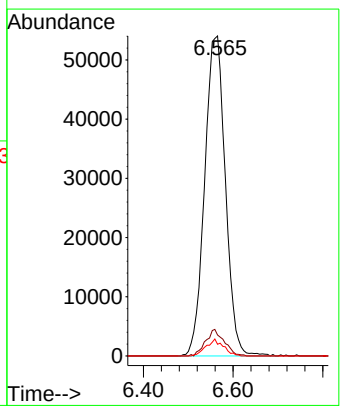


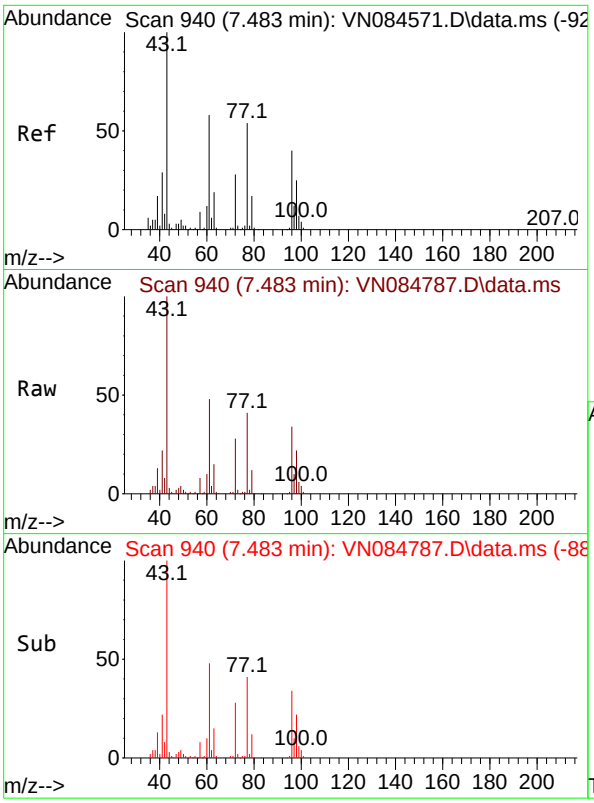


#24
1,1-Dichloroethane
Concen: 44.661 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 63 Resp: 173686

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.2
100	3.7	2.0	5.8



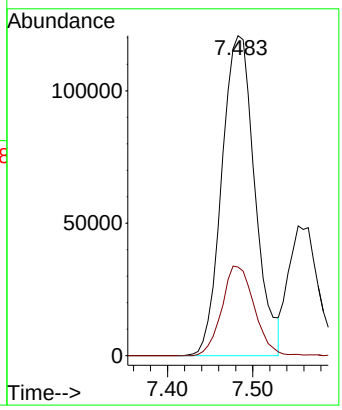


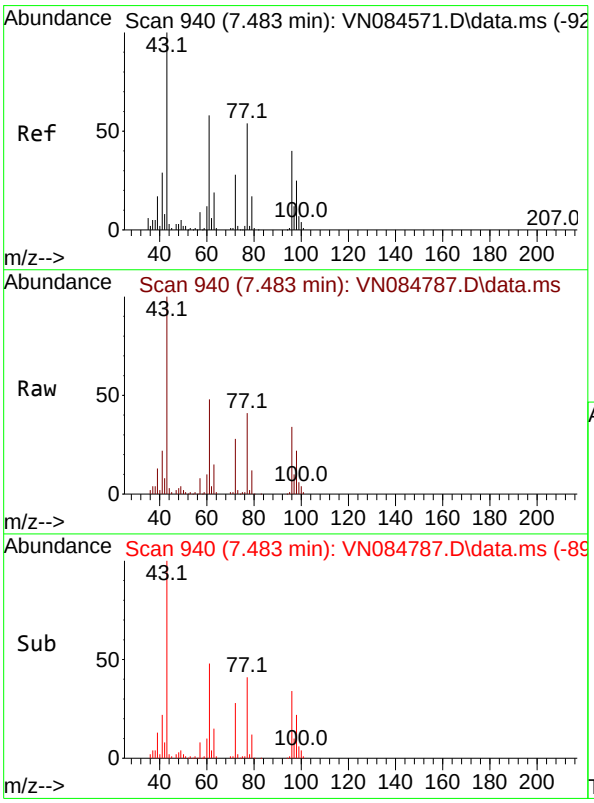
#25
2-Butanone
Concen: 273.920 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 325803

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2

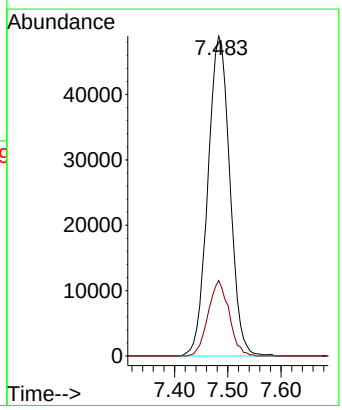


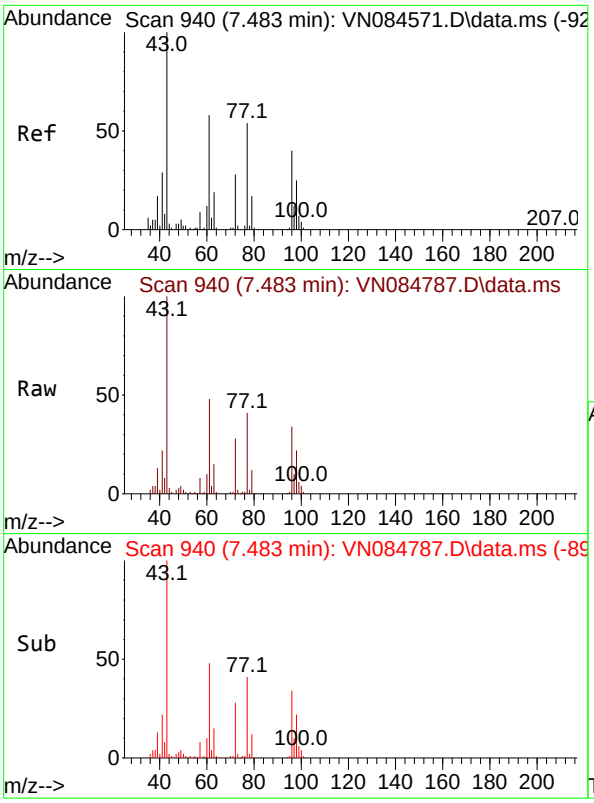


#26
2,2-Dichloropropane
Concen: 41.411 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 77 Resp: 140167

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3



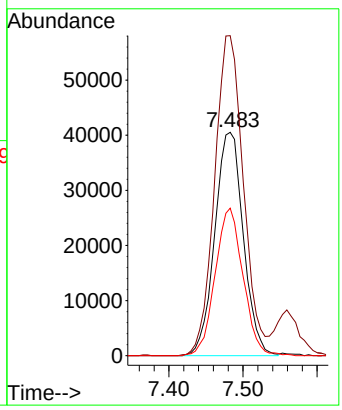


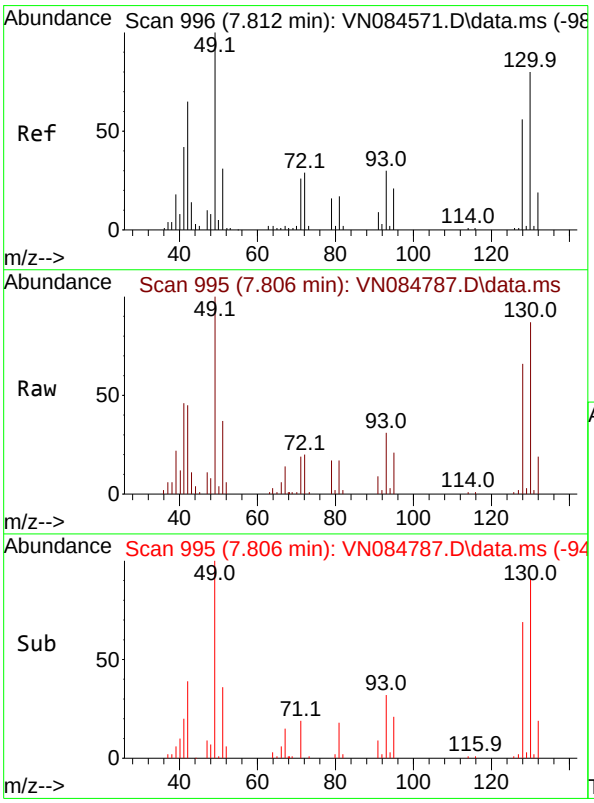
#27
cis-1,2-Dichloroethene
Concen: 45.057 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 108592

Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.8
98	64.5	0.0	128.2

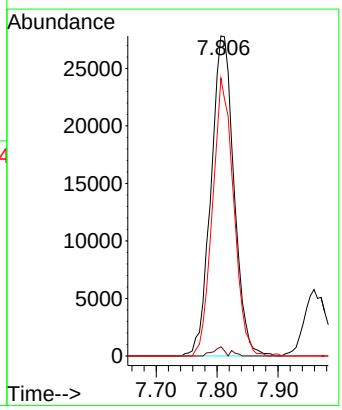


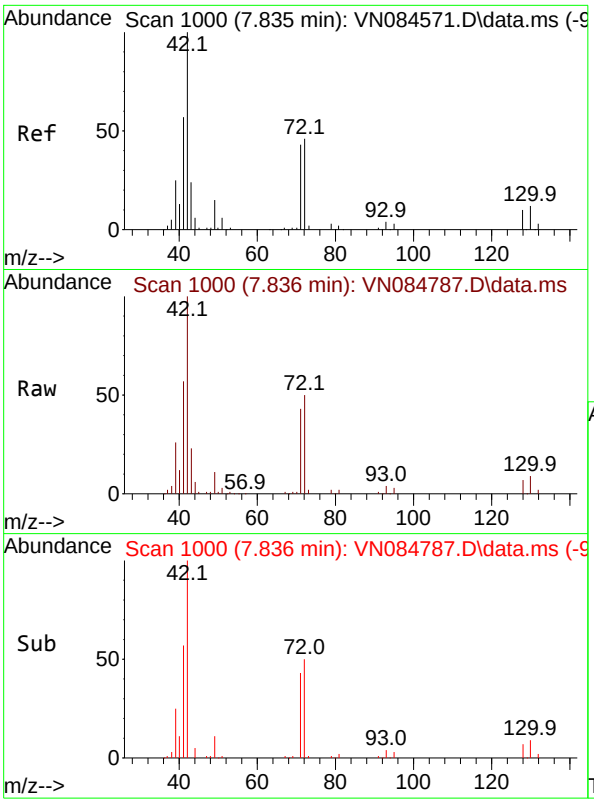


#28
Bromochloromethane
Concen: 47.101 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 49 Resp: 72979

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	79.7	58.0	87.0



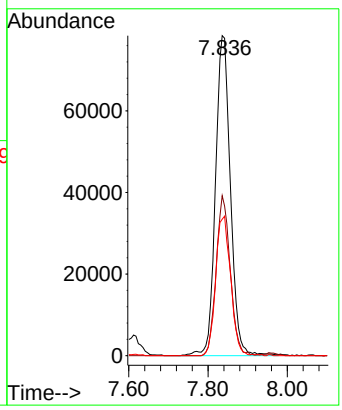


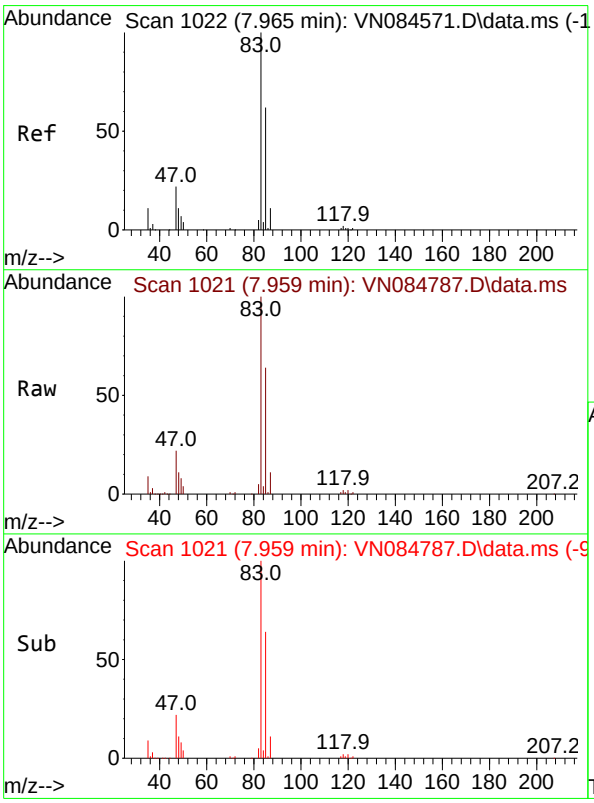
#29
Tetrahydrofuran
Concen: 260.536 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 205582

Ion	Ratio	Lower	Upper
42	100		
72	47.1	34.6	51.8
71	43.5	32.2	48.4

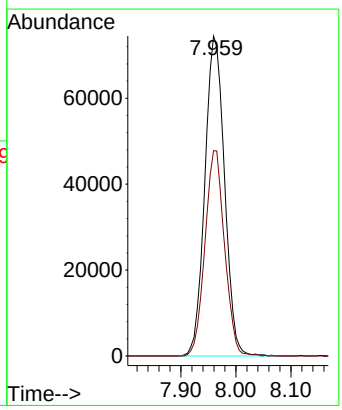


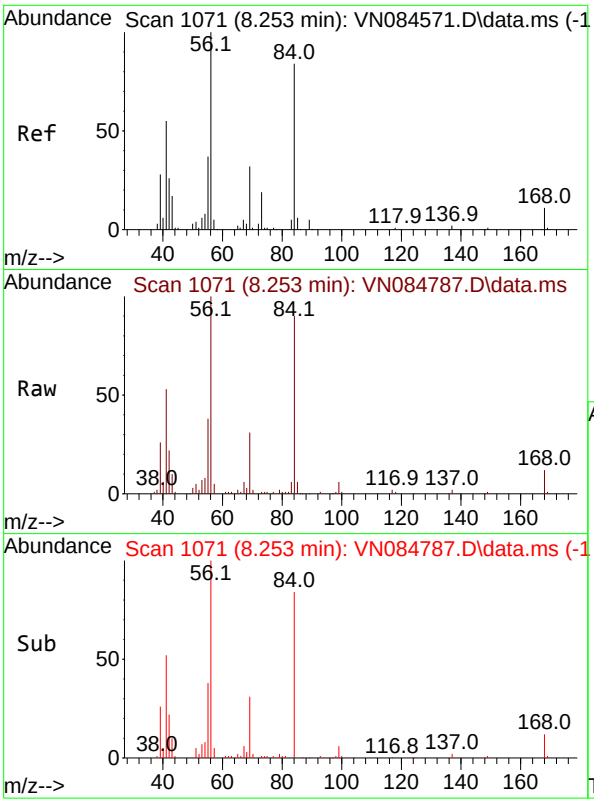


#30
Chloroform
Concen: 46.764 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 83 Resp: 185103

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4



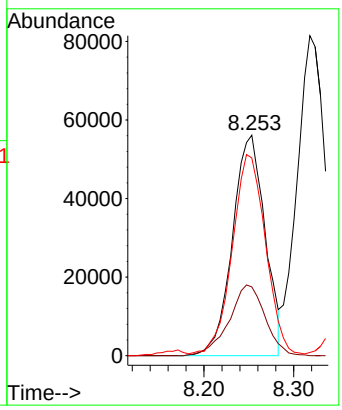


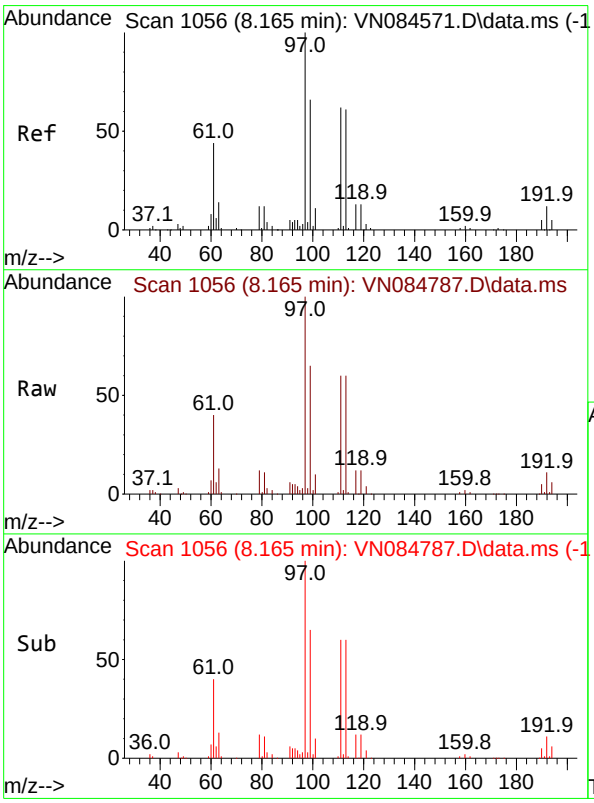
#31
Cyclohexane
Concen: 40.267 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 141733

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.6
84	87.1	68.8	103.2

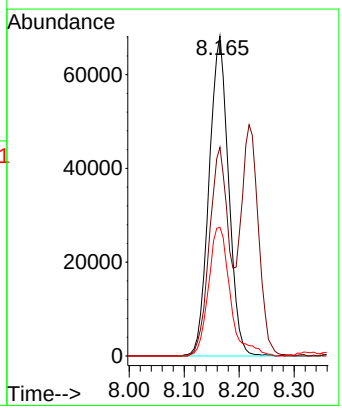


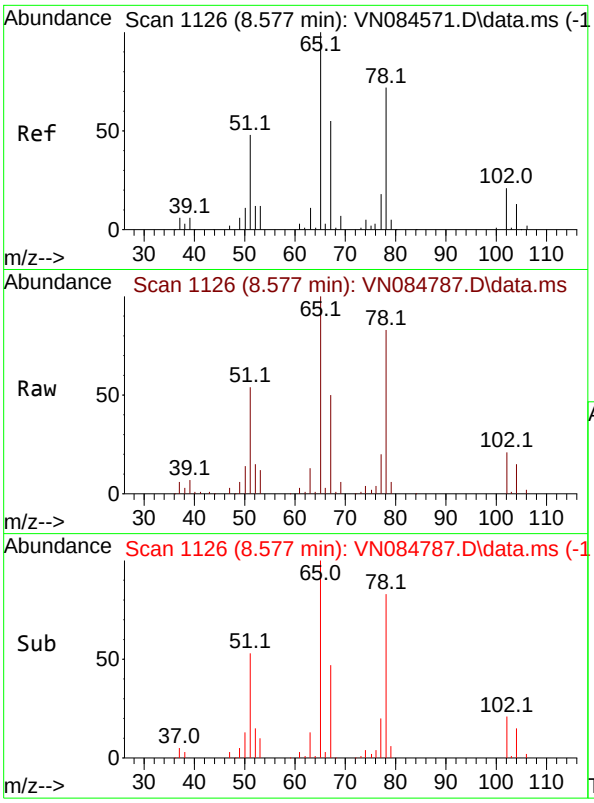


#32
1,1,1-Trichloroethane
Concen: 46.644 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 97 Resp: 168045

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	44.8	37.5	56.3



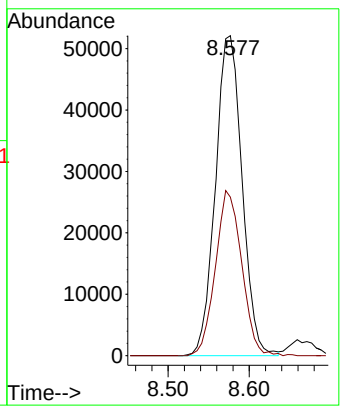


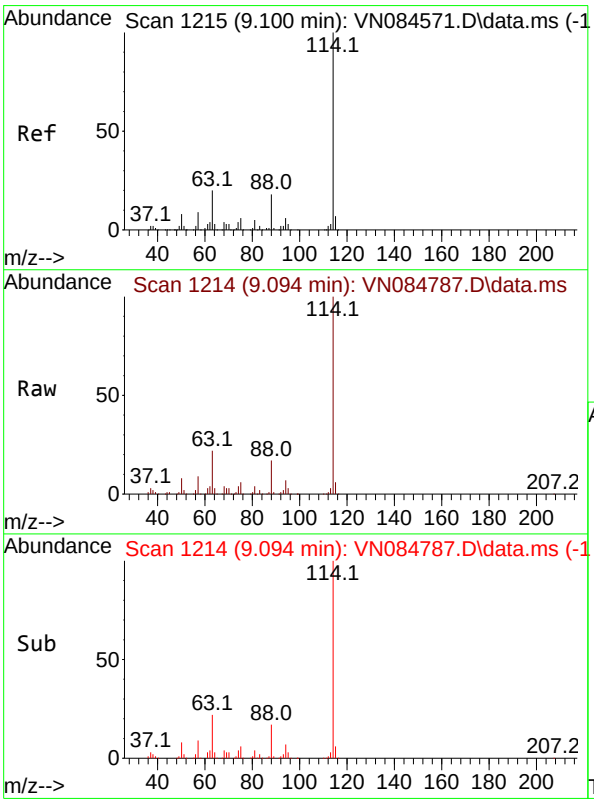
#33
1,2-Dichloroethane-d4
Concen: 46.659 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 118955

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0

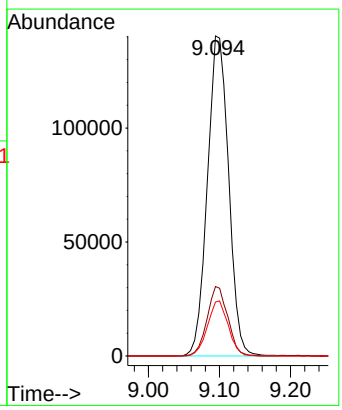


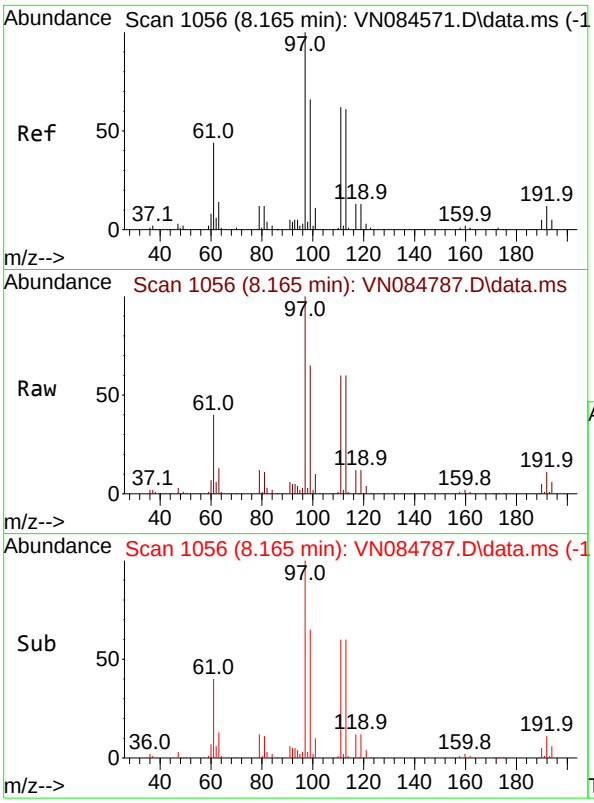


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:114 Resp: 291331

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.9	0.0	31.6



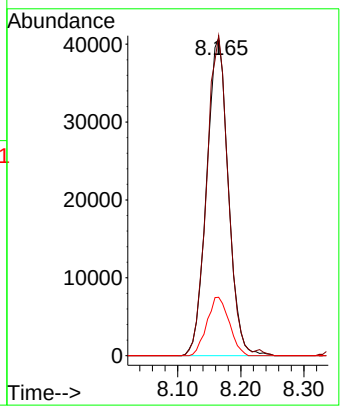


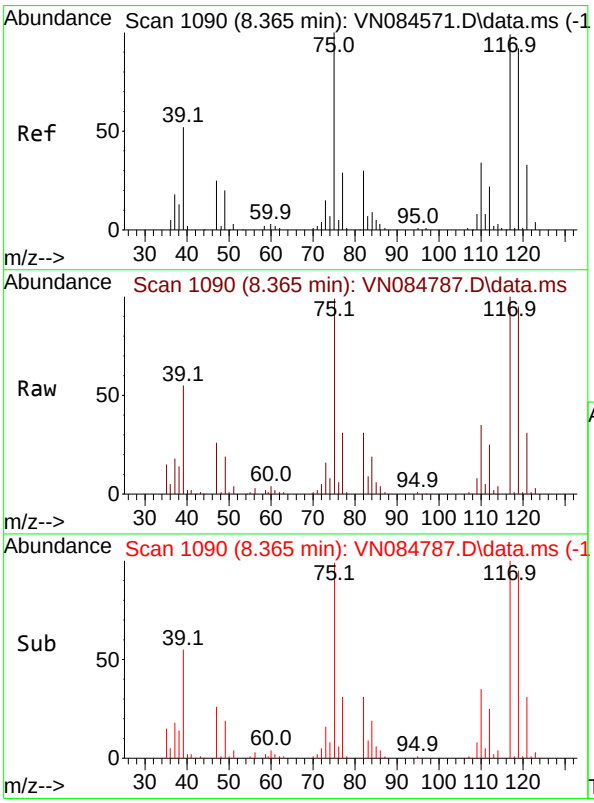
#35
Dibromofluoromethane
Concen: 49.349 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 97314

Ion	Ratio	Lower	Upper
113	100		
111	99.4	83.3	124.9
192	18.9	13.5	20.3

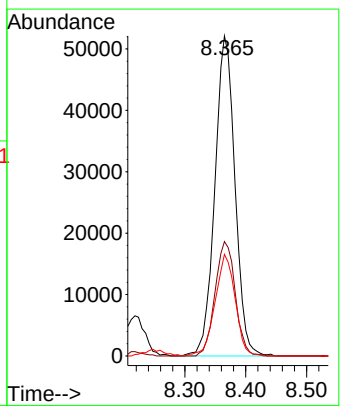


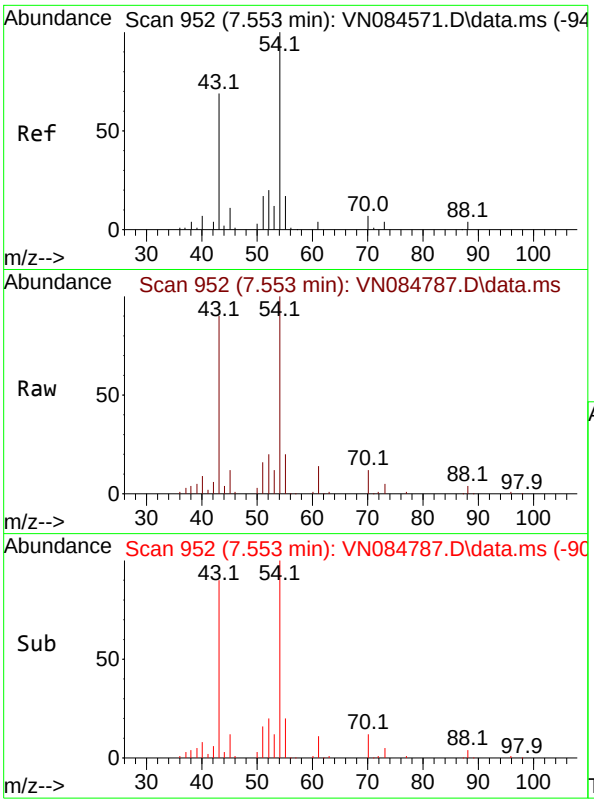


#36
1,1-Dichloropropene
Concen: 43.735 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 119608

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.9	50.7
77	31.7	24.7	37.1



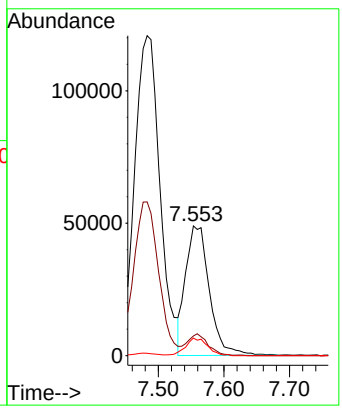


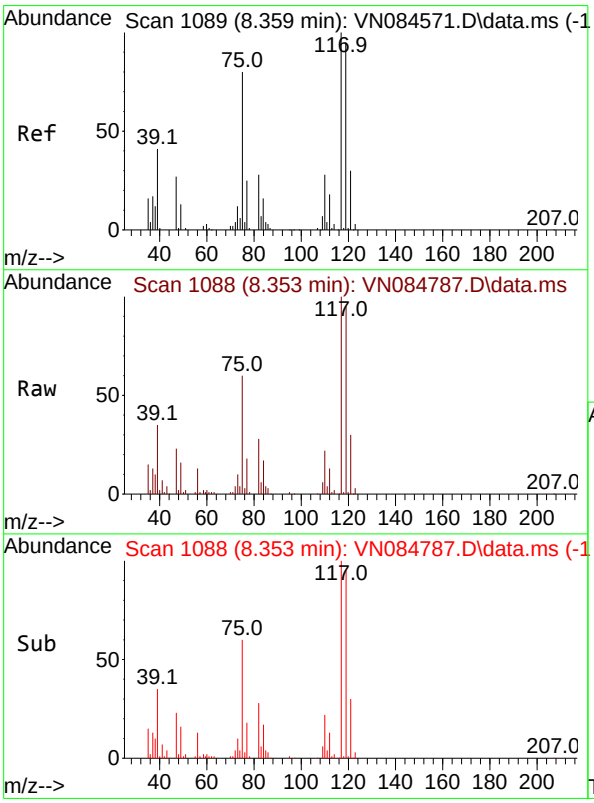
#37
Ethyl Acetate
Concen: 49.688 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 123291

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	12.5	8.8	13.2

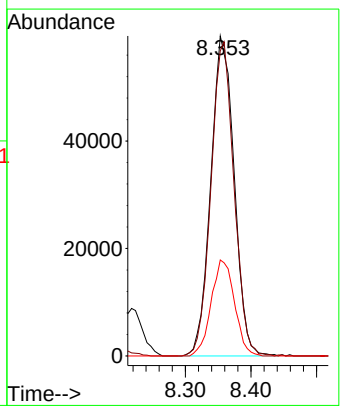


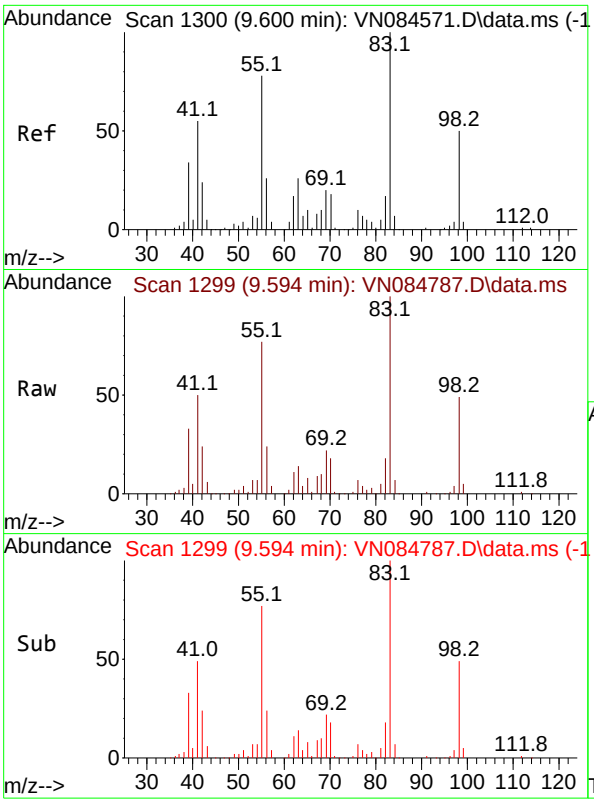


#38
Carbon Tetrachloride
Concen: 48.253 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:117 Resp: 147502

Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	30.0	24.4	36.6



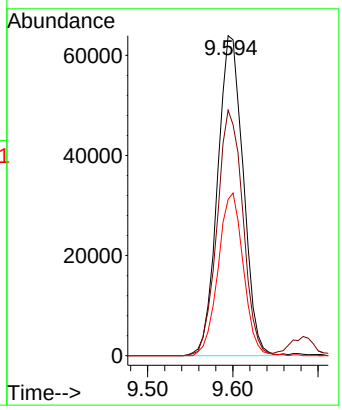


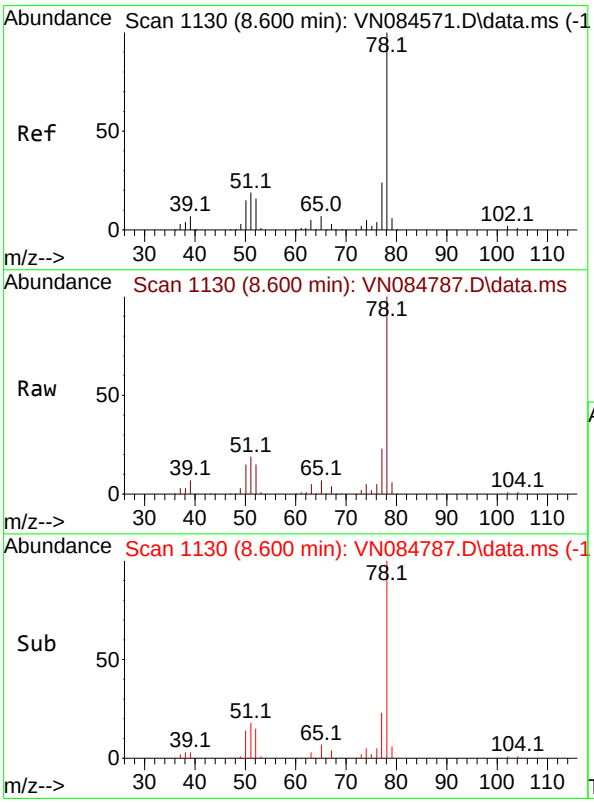
#39
Methylcyclohexane
Concen: 48.113 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 133862

Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	48.9	38.8	58.2

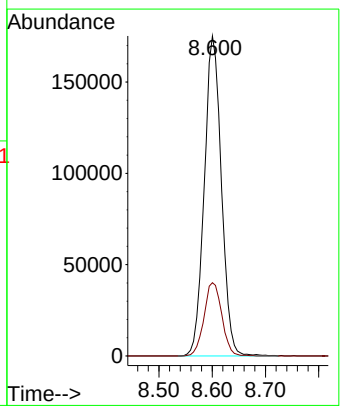


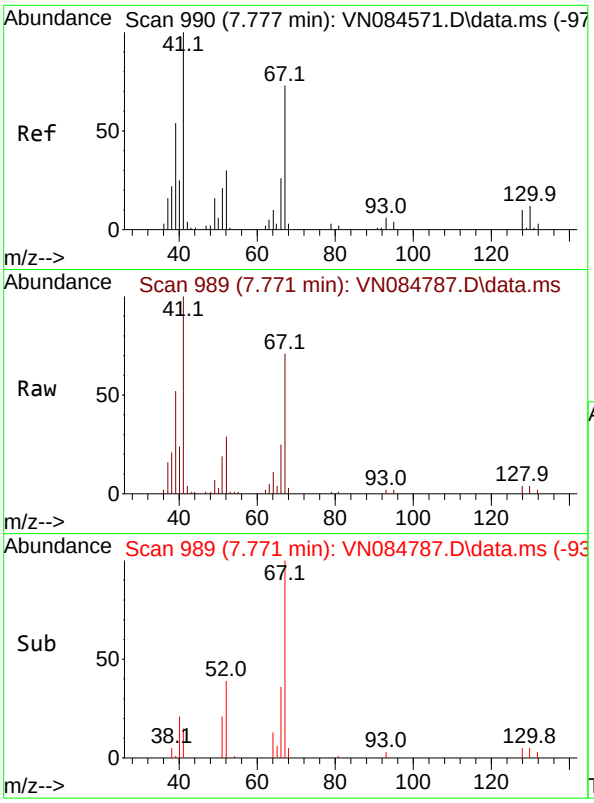


#40
Benzene
Concen: 44.569 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 78 Resp: 391445

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7



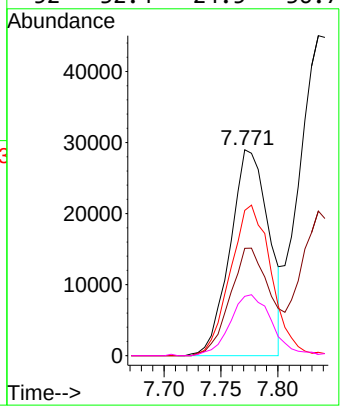


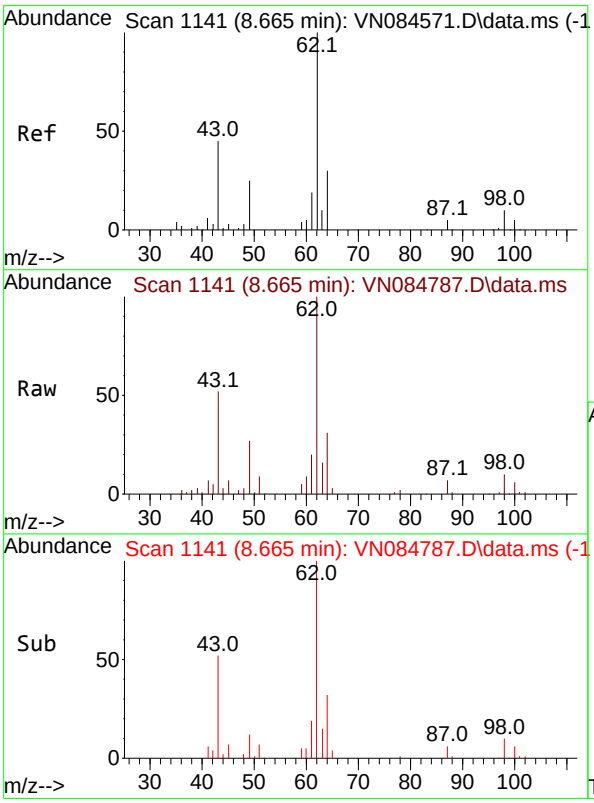
#41
Methacrylonitrile
Concen: 51.372 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 68548

Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	77.7	56.1	84.1
52	32.4	24.5	36.7

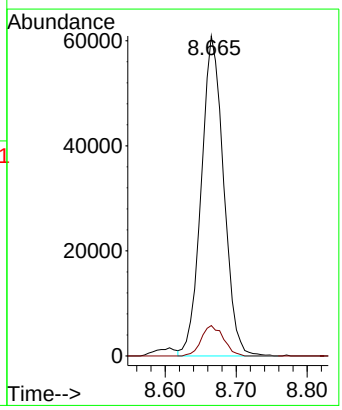


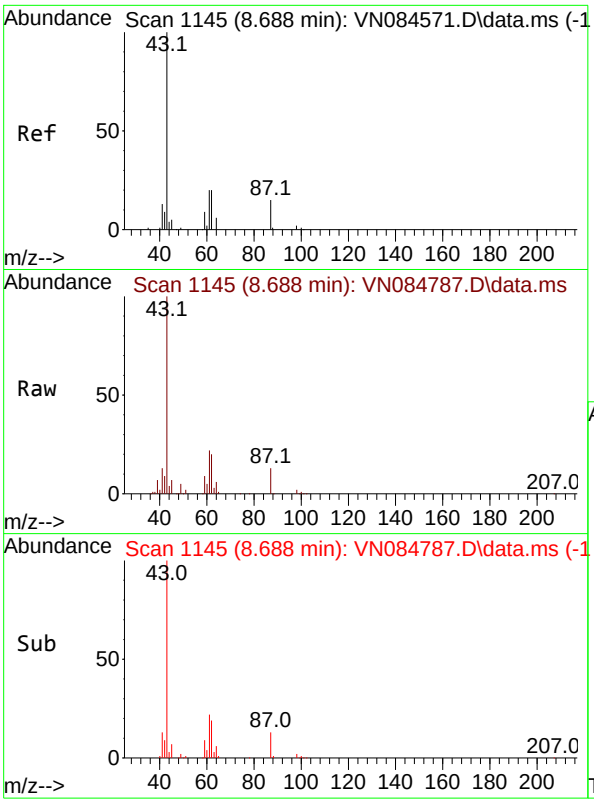


#42
1,2-Dichloroethane
Concen: 46.931 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 62 Resp: 133491

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



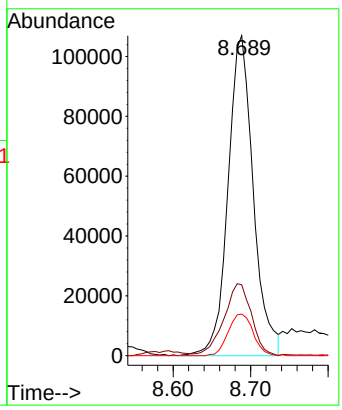


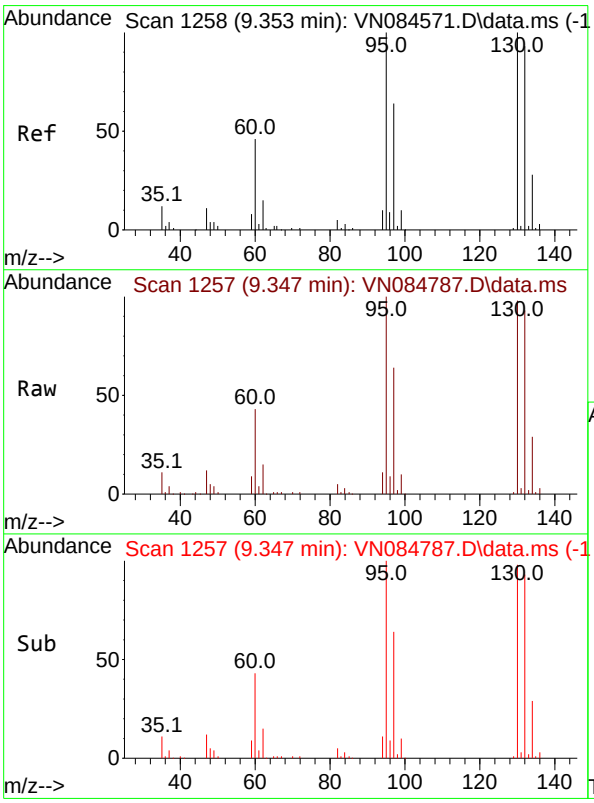
#43
Isopropyl Acetate
Concen: 53.170 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 243452

Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.4	30.6
87	12.8	10.3	15.5

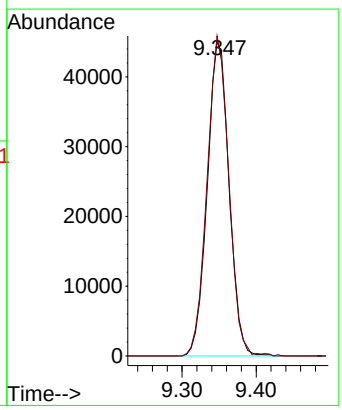


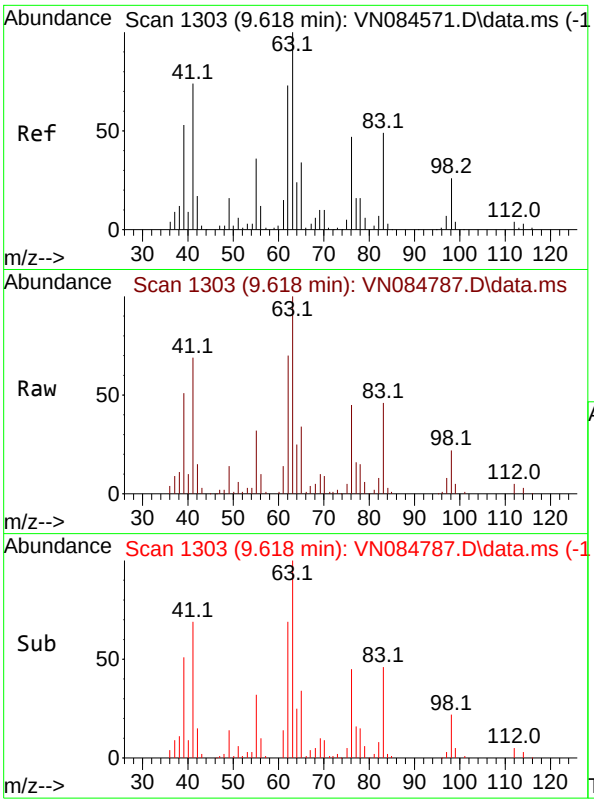


#44
Trichloroethene
Concen: 45.377 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:130 Resp: 91914

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.0



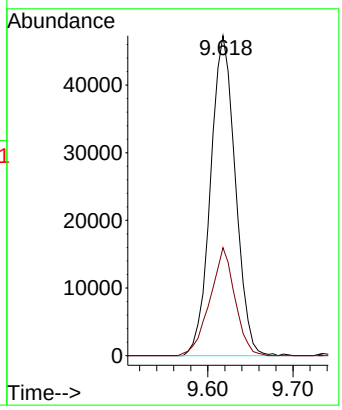


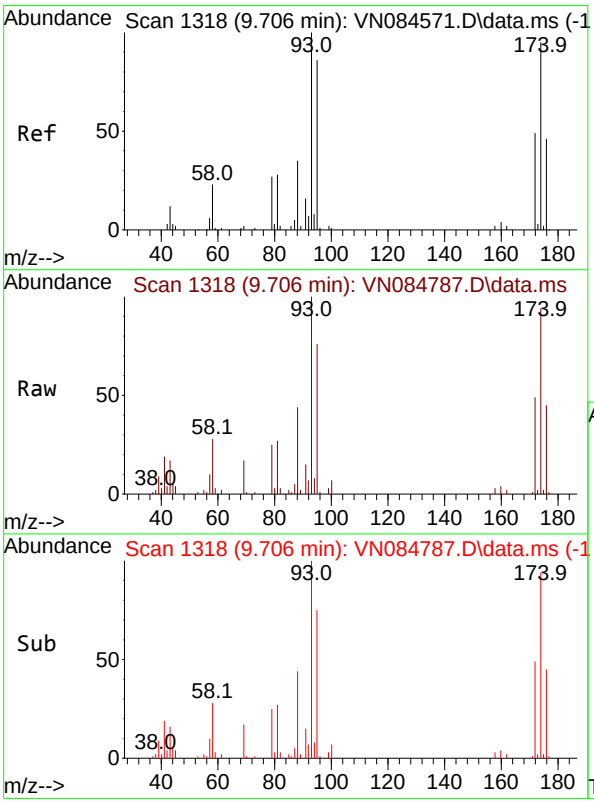
#45
1,2-Dichloropropane
Concen: 46.403 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 95605

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0

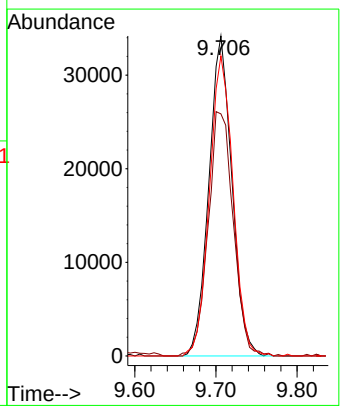


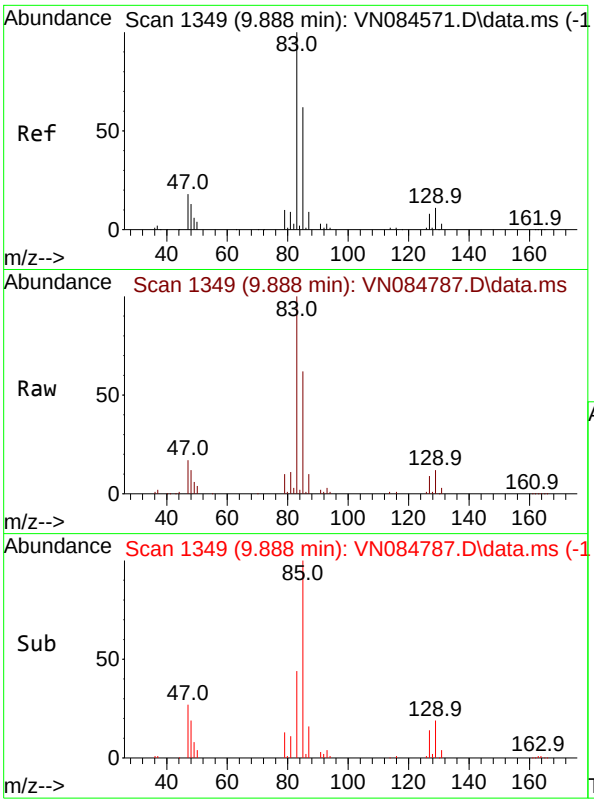


#46
Dibromomethane
Concen: 46.413 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 93 Resp: 67476

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.0	97.4
174	96.0	71.8	107.8



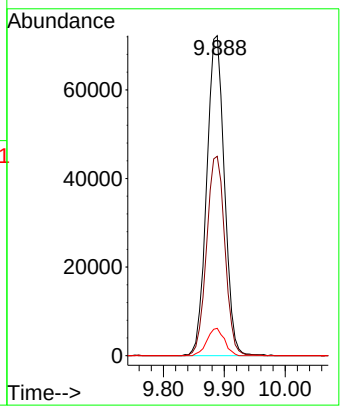


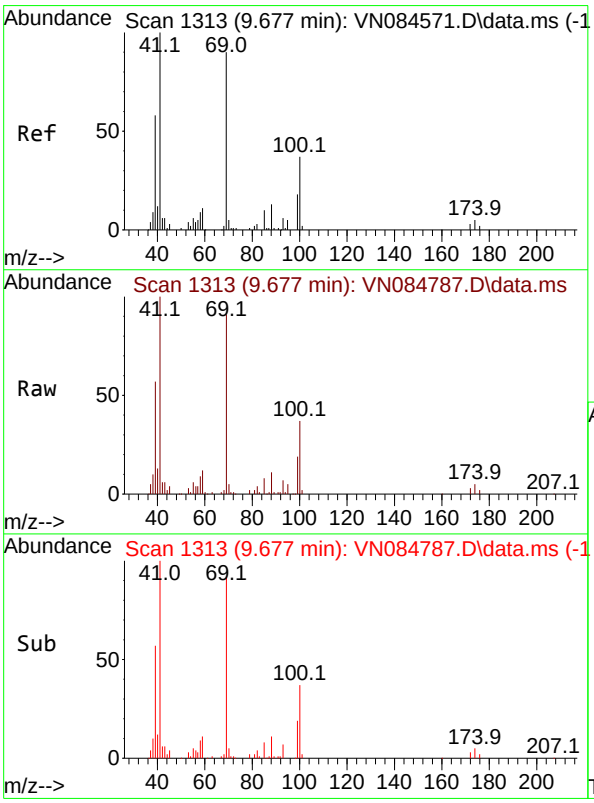
#47
Bromodichloromethane
Concen: 47.610 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 145902

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	8.6	5.7	8.5#

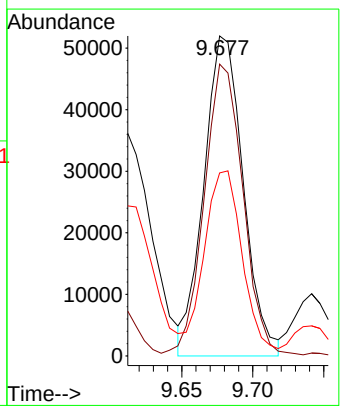


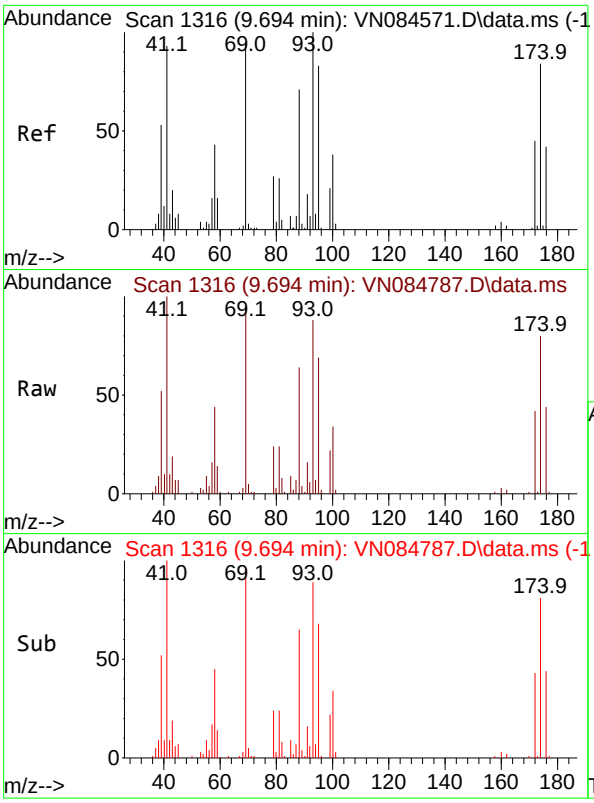


#48
Methyl methacrylate
Concen: 51.941 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 41 Resp: 100305

Ion	Ratio	Lower	Upper
41	100		
69	89.3	67.1	100.7
39	56.9	45.8	68.6



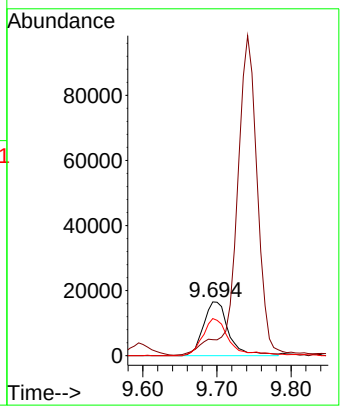


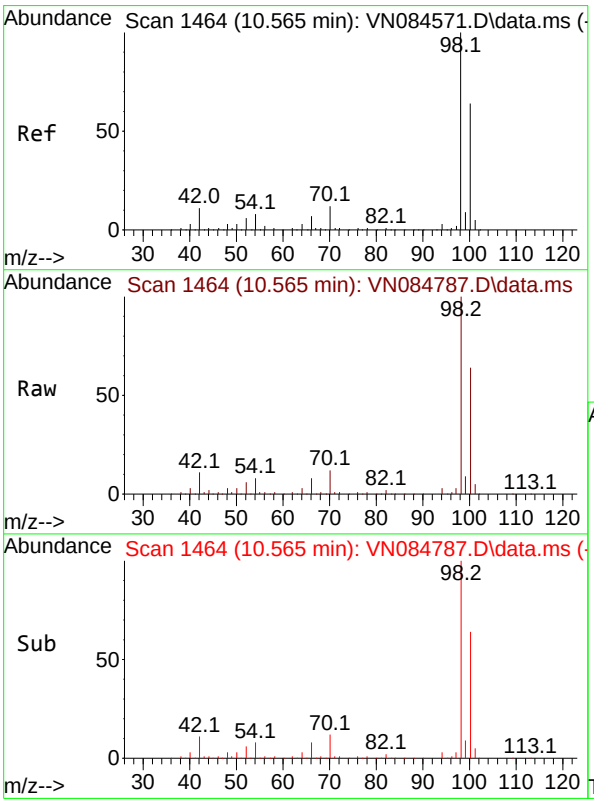
#49
1,4-Dioxane
Concen: 1139.238 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 38986

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.0	56.4	84.6

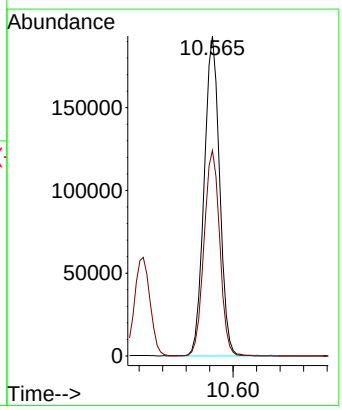


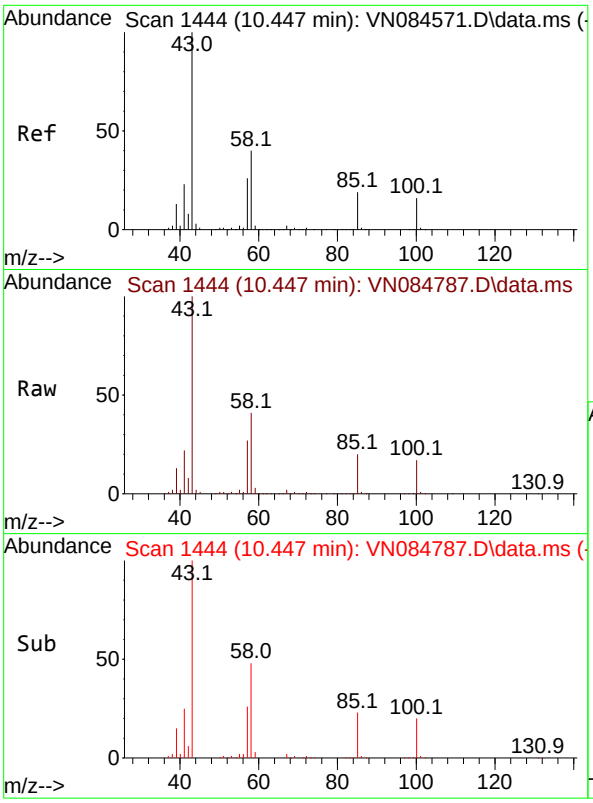


#50
Toluene-d8
Concen: 48.386 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 98 Resp: 351476

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



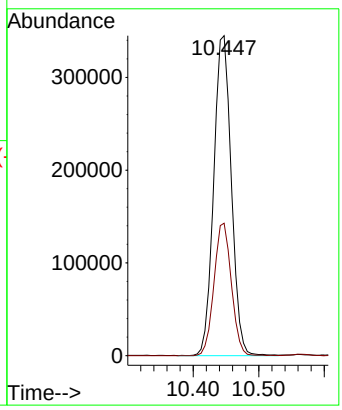


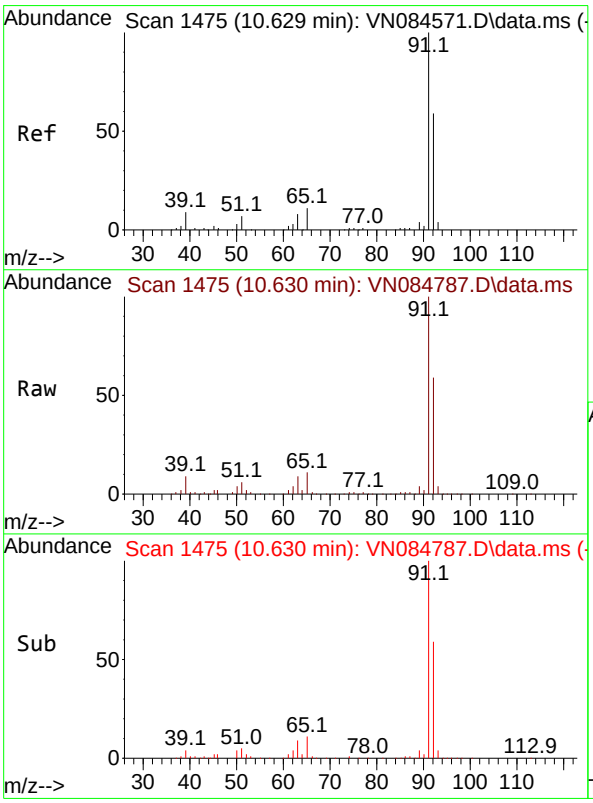
#51
4-Methyl-2-Pentanone
Concen: 271.309 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 641767

Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4

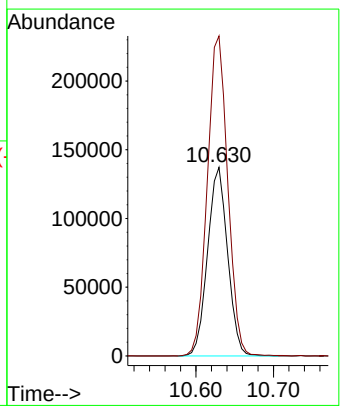


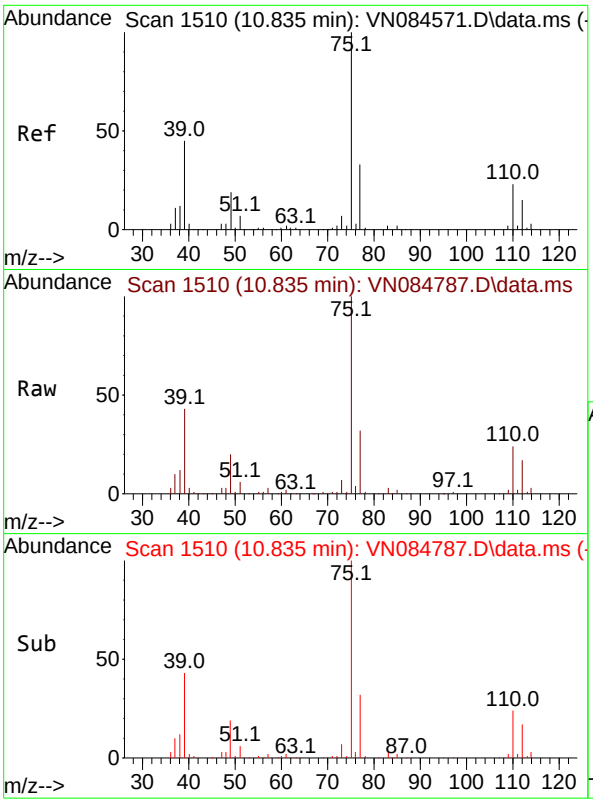


#52
Toluene
Concen: 47.993 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 92 Resp: 246524

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.3	205.9



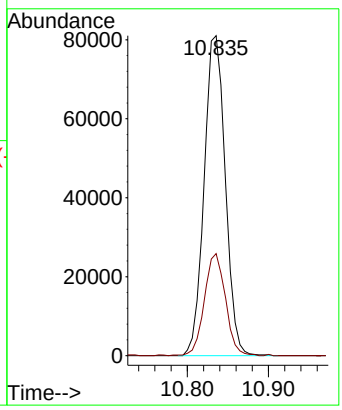


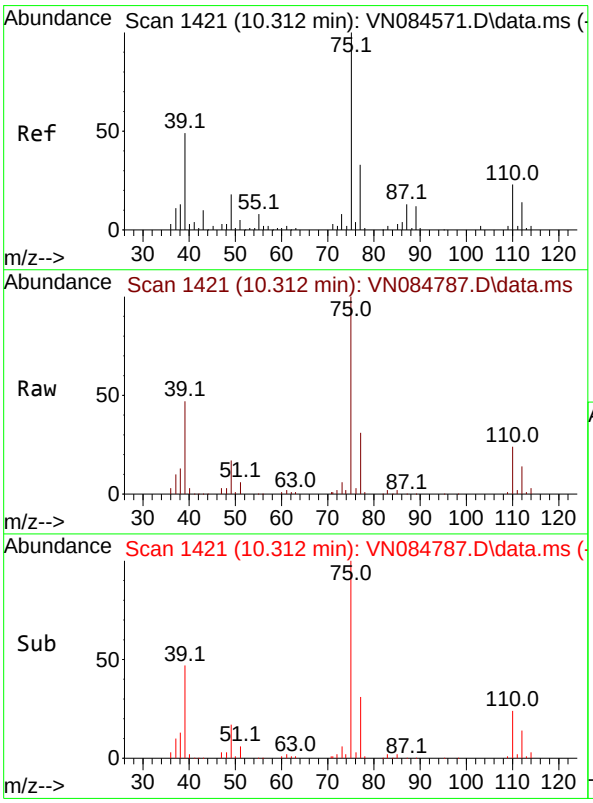
#53
t-1,3-Dichloropropene
Concen: 46.248 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 146707

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

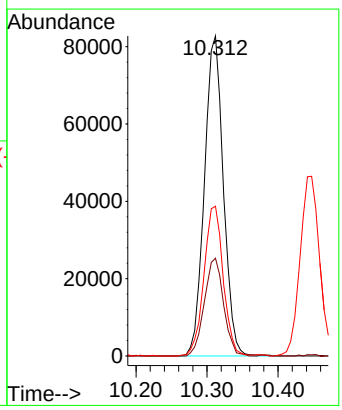


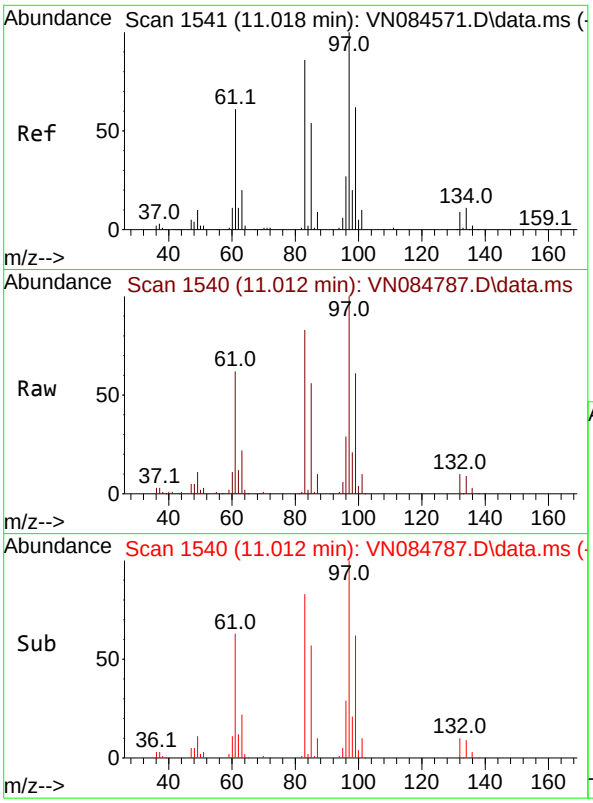


#54
cis-1,3-Dichloropropene
Concen: 45.810 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 153802

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.2	36.2
39	46.8	38.7	58.1



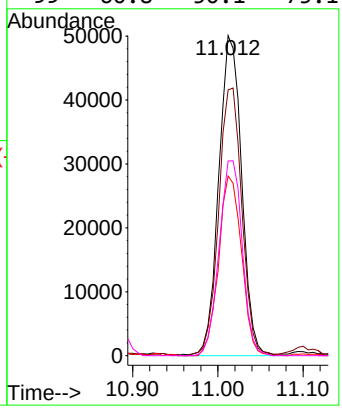


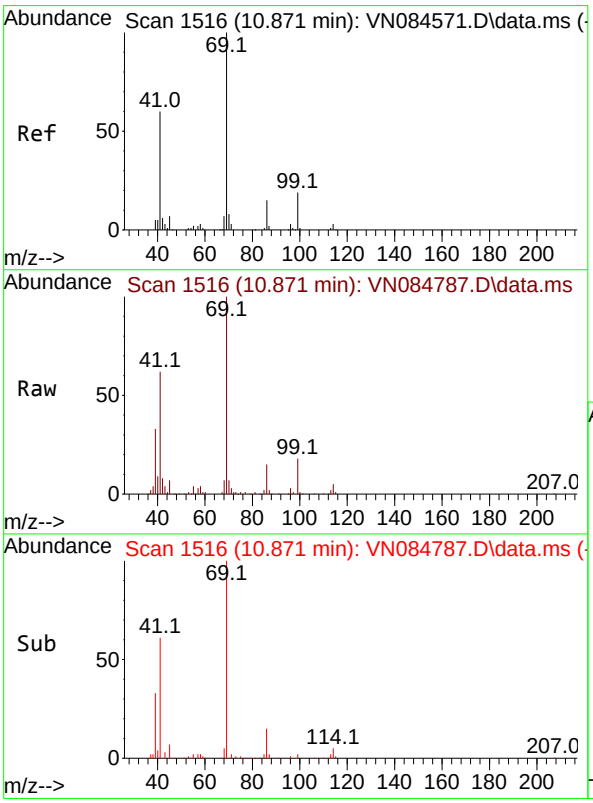
#55
1,1,2-Trichloroethane
Concen: 48.273 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 93404

Ion	Ratio	Lower	Upper
97	100		
83	82.7	71.0	106.4
85	56.2	41.7	62.5
99	60.8	50.1	75.1

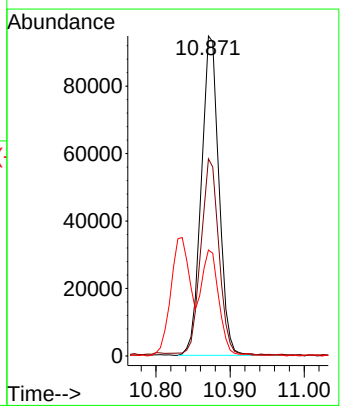


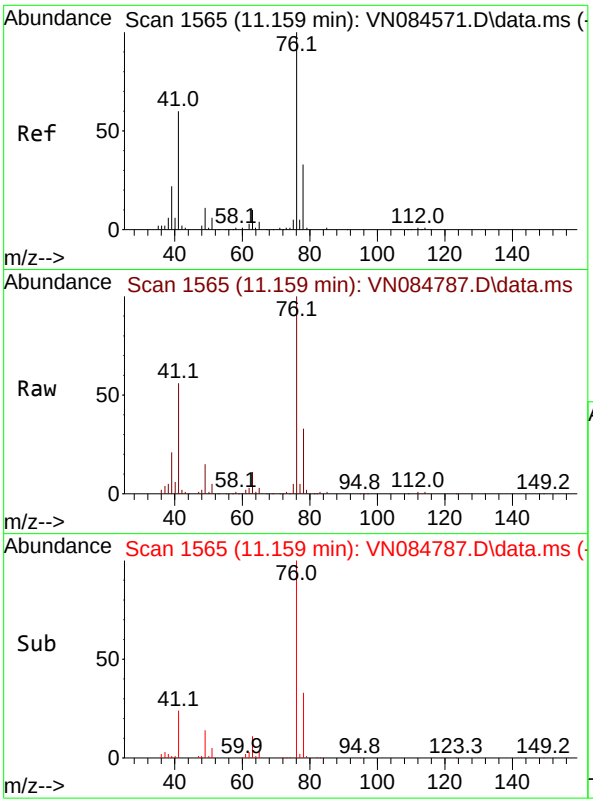


#56
Ethyl methacrylate
Concen: 55.974 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 69 Resp: 156659

Ion	Ratio	Lower	Upper
69	100		
41	62.8	53.3	79.9
39	32.9	28.8	43.2



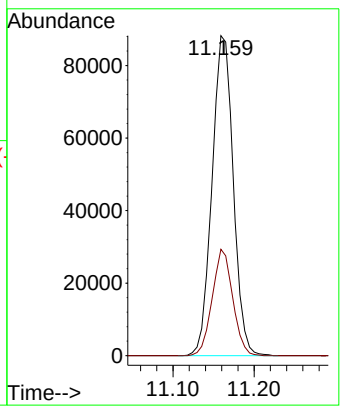


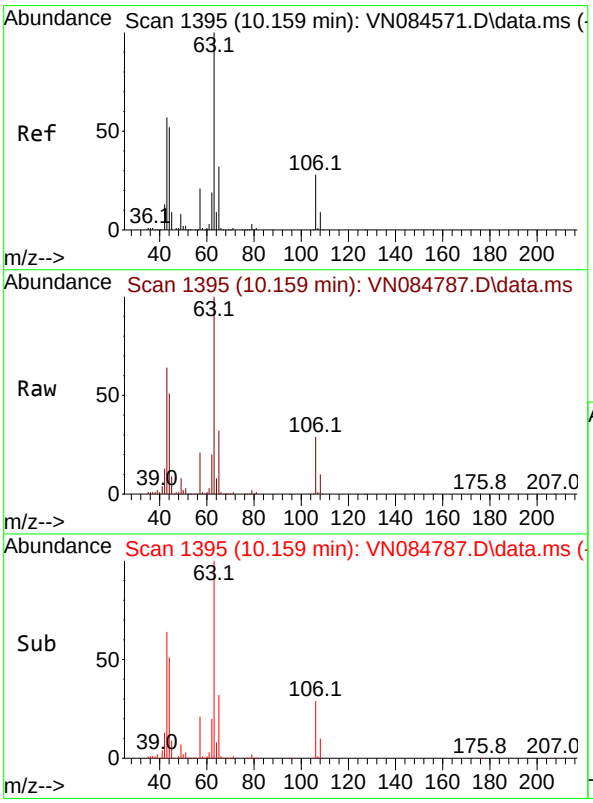
#57
1,3-Dichloropropane
Concen: 48.318 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 160452

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

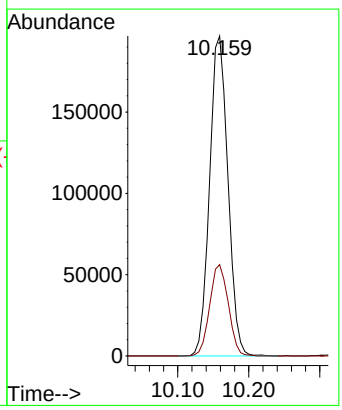


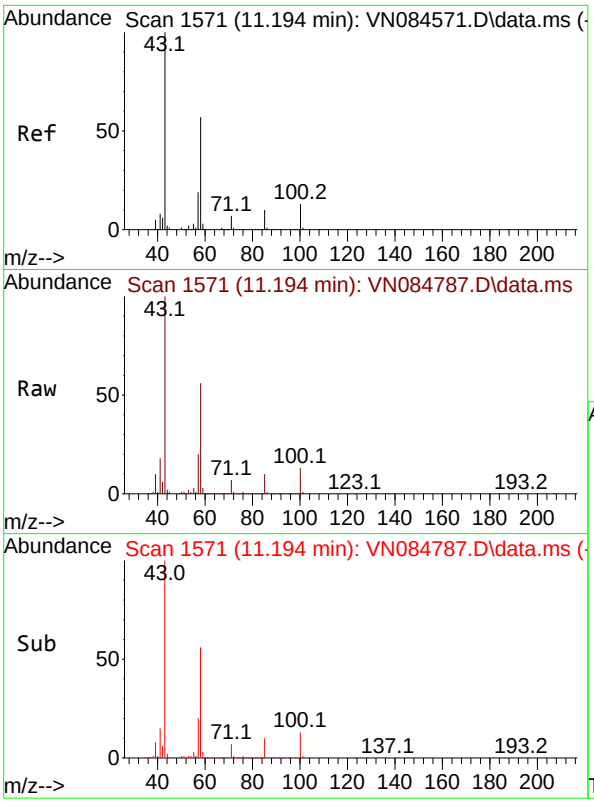


#58
2-Chloroethyl Vinyl ether
Concen: 268.948 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 63 Resp: 352227

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



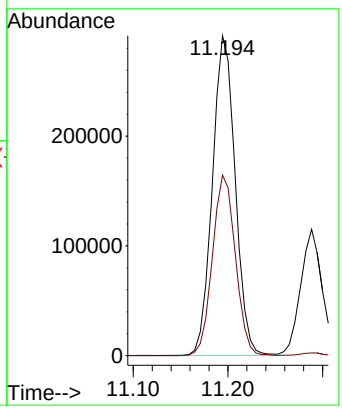


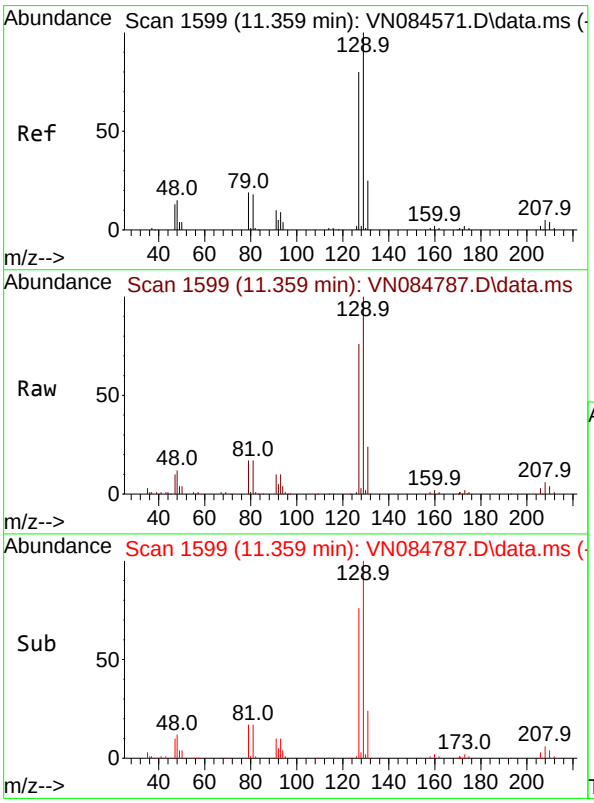
#59
2-Hexanone
Concen: 282.678 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 486706

Ion	Ratio	Lower	Upper
43	100		
58	57.0	27.3	81.8

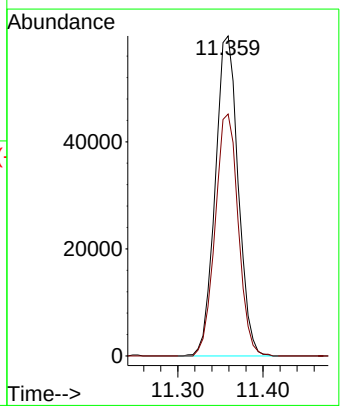


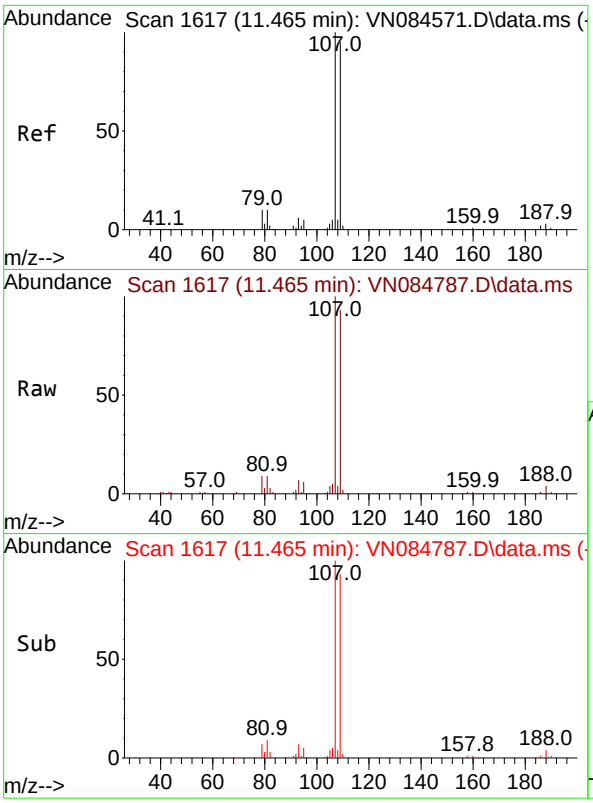


#60
Dibromochloromethane
Concen: 50.662 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:129 Resp: 111721

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9



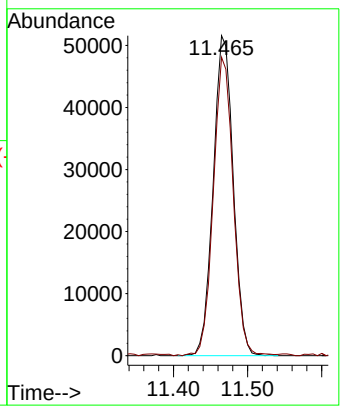


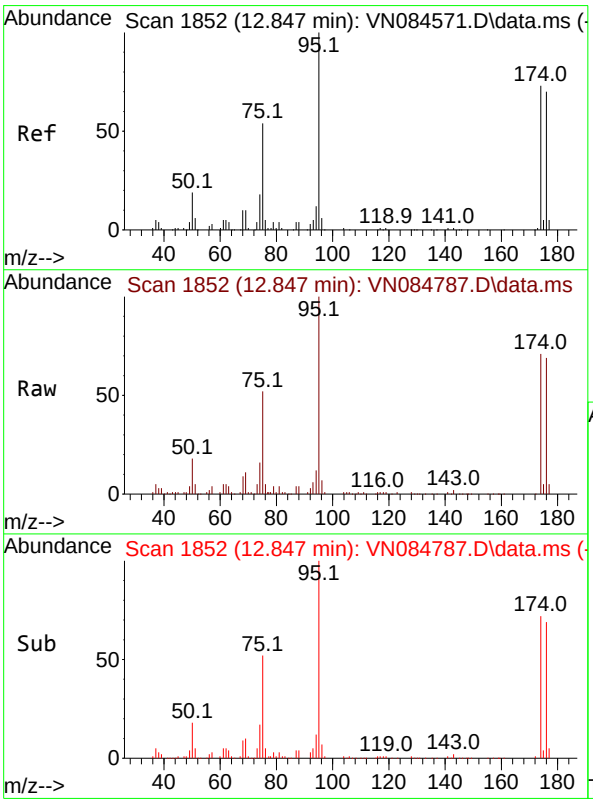
#61
1,2-Dibromoethane
Concen: 48.848 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 96789

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.0

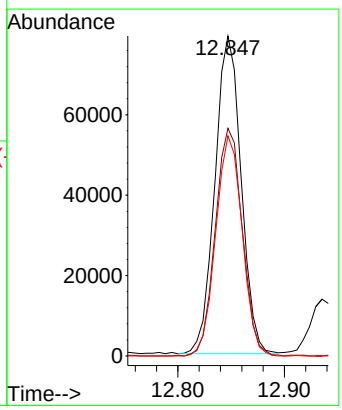


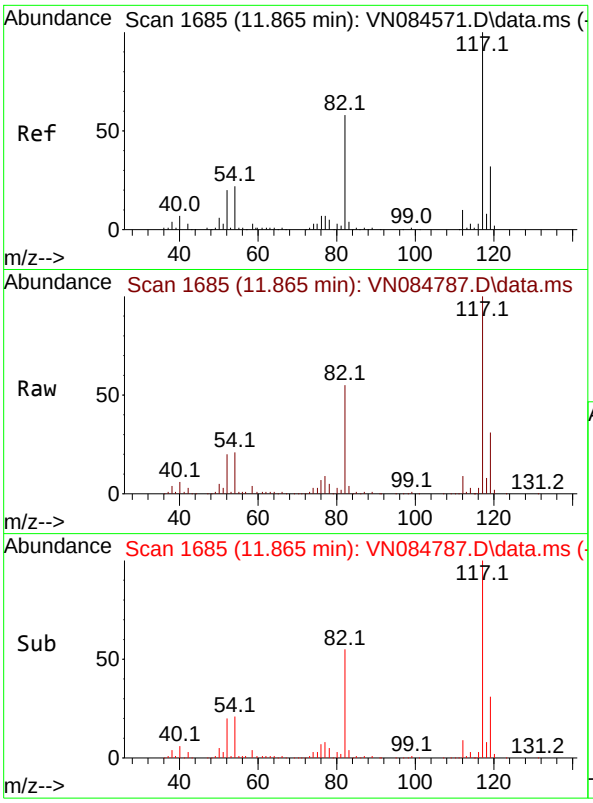


#62
4-Bromofluorobenzene
Concen: 49.793 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 95 Resp: 135180

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	69.9	0.0	140.0



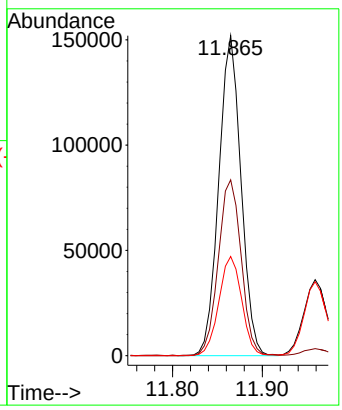


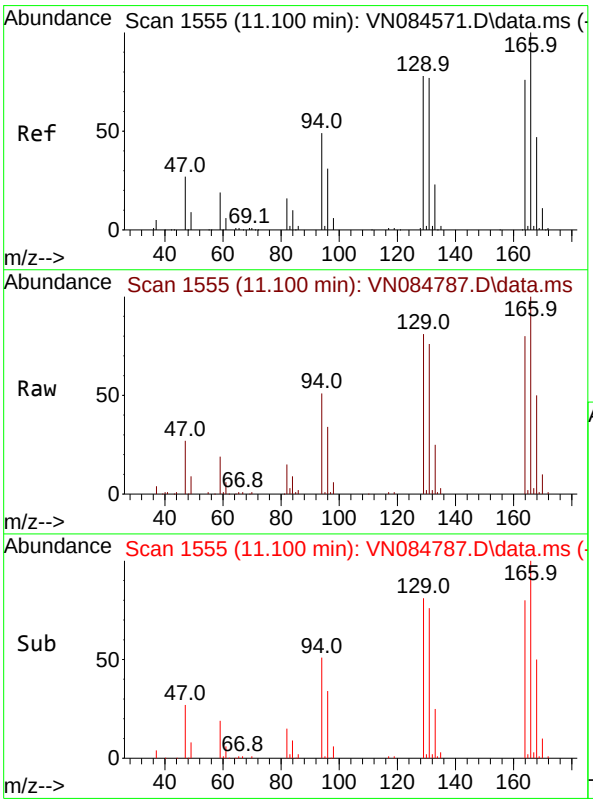
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 261381

Ion	Ratio	Lower	Upper
117	100		
82	55.0	47.2	70.8
119	31.0	25.4	38.0

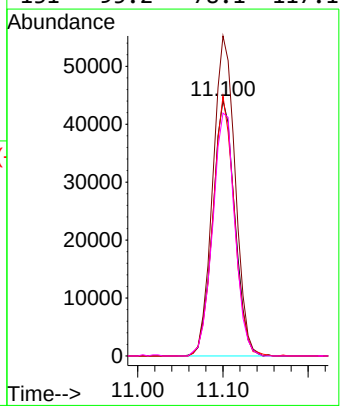


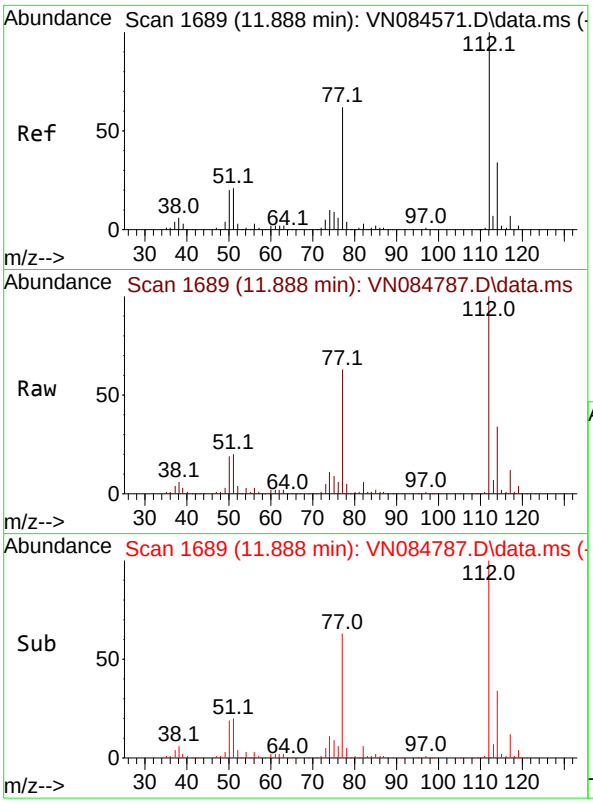


#64
Tetrachloroethene
Concen: 45.715 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:164 Resp: 79480

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	101.7	80.8	121.2
131	95.2	78.1	117.1



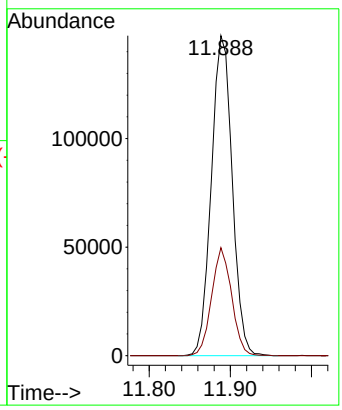


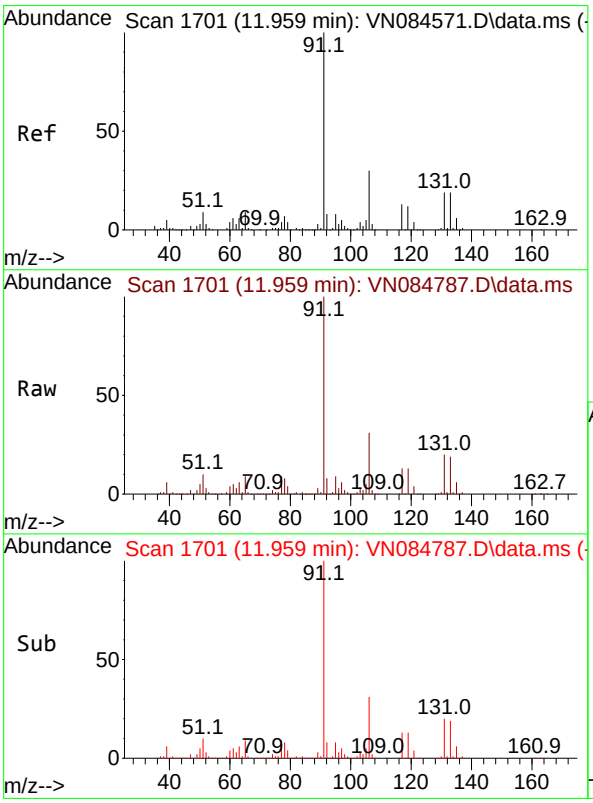
#65
Chlorobenzene
Concen: 45.063 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 263506

Ion	Ratio	Lower	Upper
112	100		
114	33.8	27.0	40.6

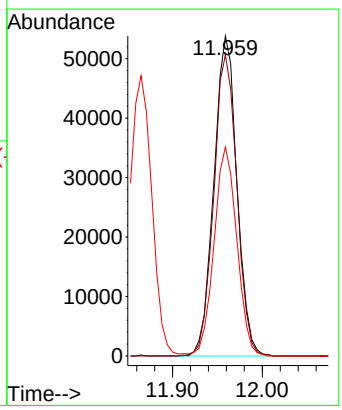


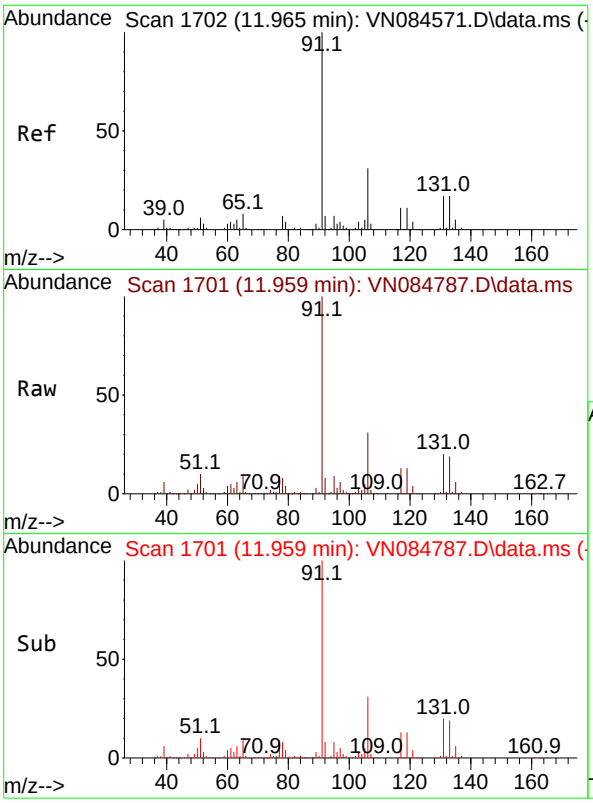


#66
1,1,1,2-Tetrachloroethane
Concen: 47.117 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:131 Resp: 95834

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.9	143.7
119	64.5	32.8	98.3



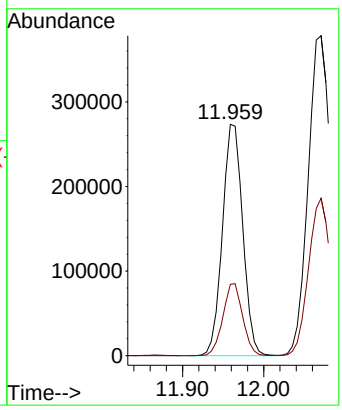


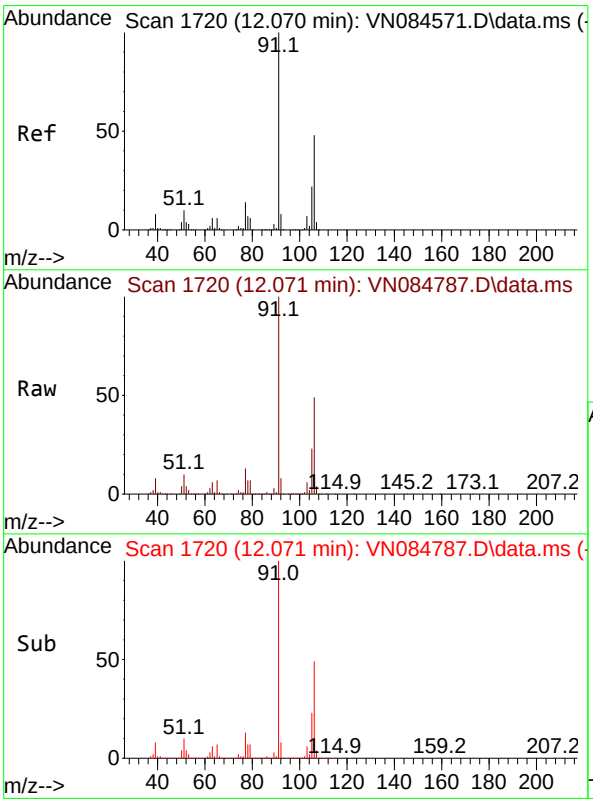
#67
Ethyl Benzene
Concen: 48.816 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 476489

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7

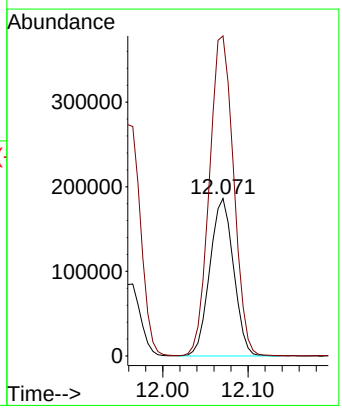


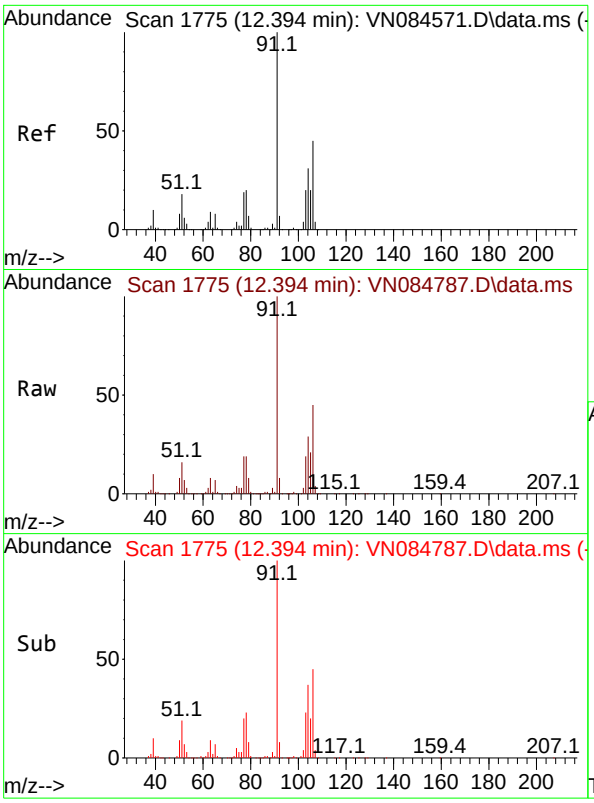


#68
m/p-Xylenes
Concen: 97.406 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:106 Resp: 359947

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7



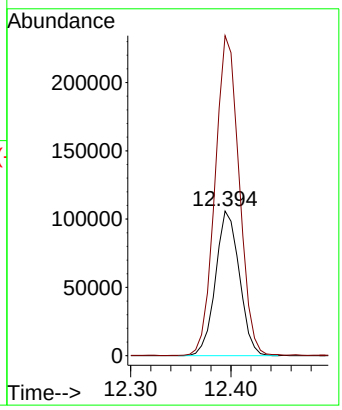


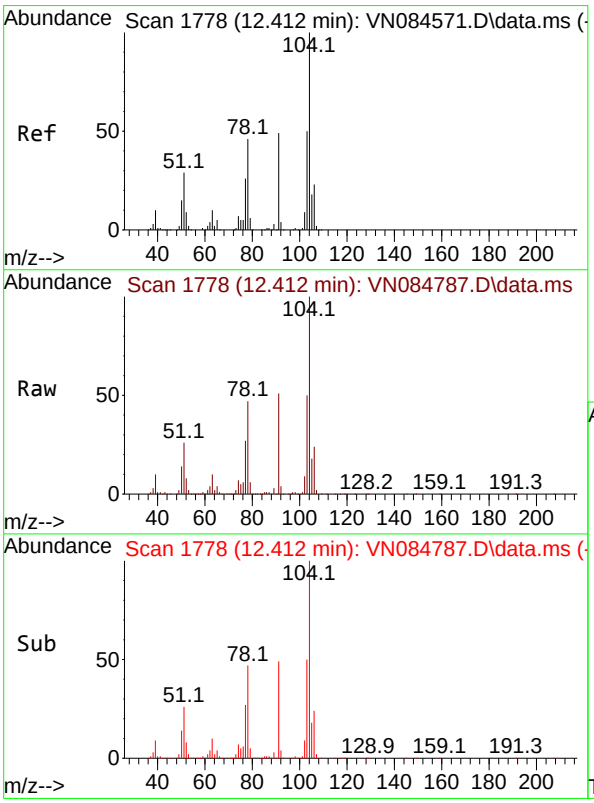
#69
o-Xylene
Concen: 50.550 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 174747

Ion	Ratio	Lower	Upper
106	100		
91	224.0	110.2	330.6

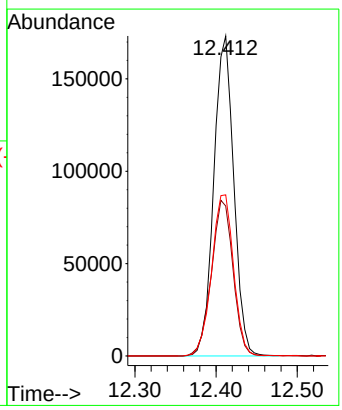


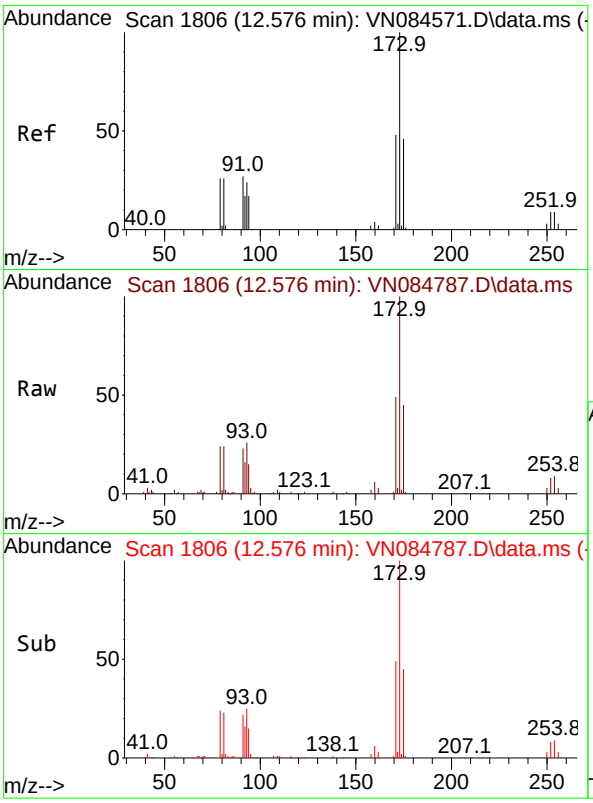


#70
Styrene
Concen: 49.221 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:104 Resp: 296821

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.7	64.1
103	55.2	43.6	65.4



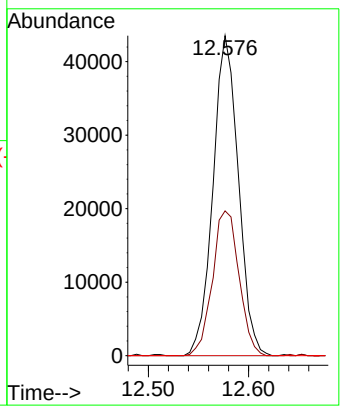


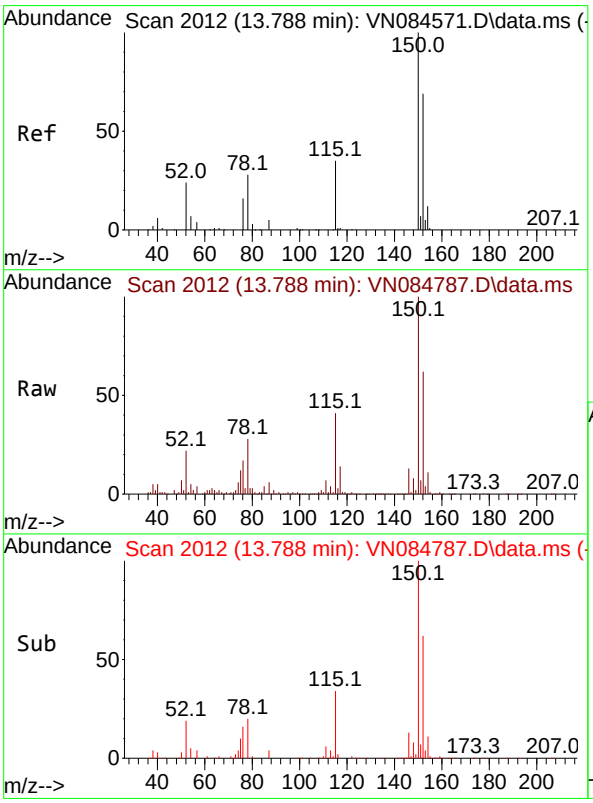
#71
Bromoform
Concen: 49.894 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 76363

Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.5	70.6
254	0.0	0.0	0.0

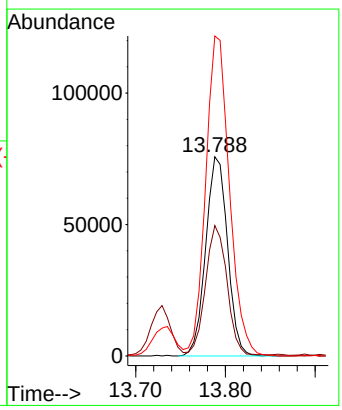


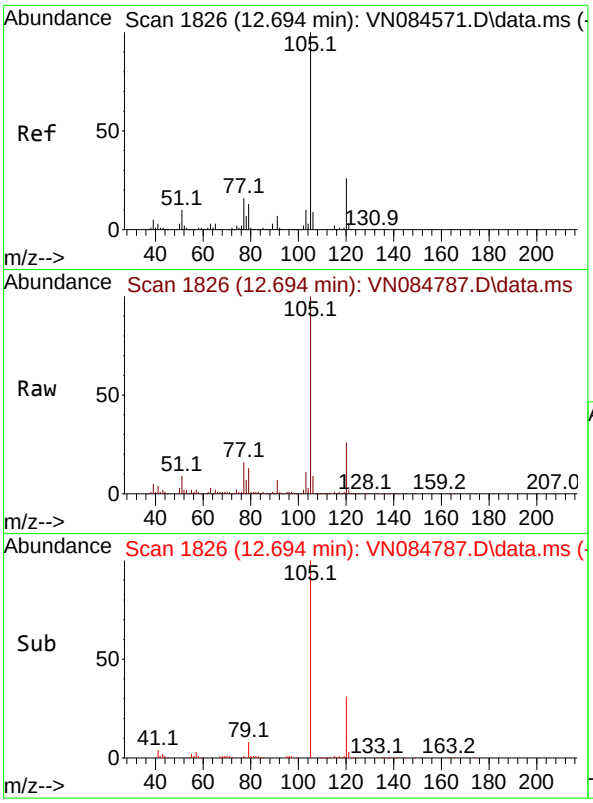


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:152 Resp: 128017

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.3	93.9
150	175.0	0.0	349.8



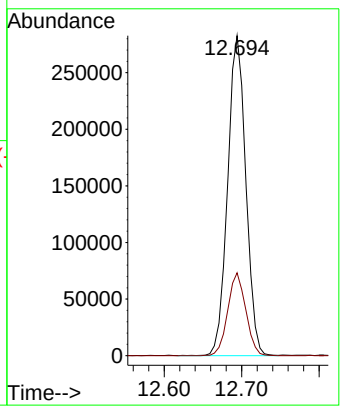


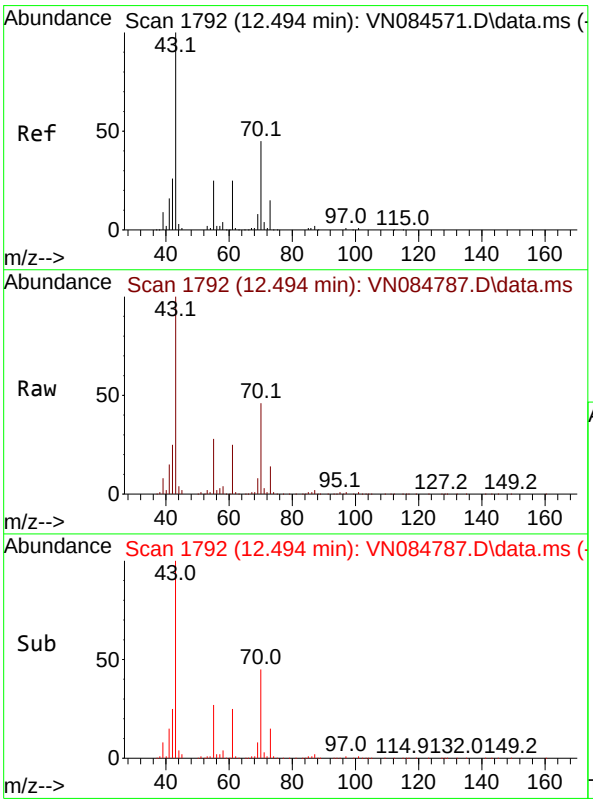
#73
Isopropylbenzene
Concen: 51.499 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 461999

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

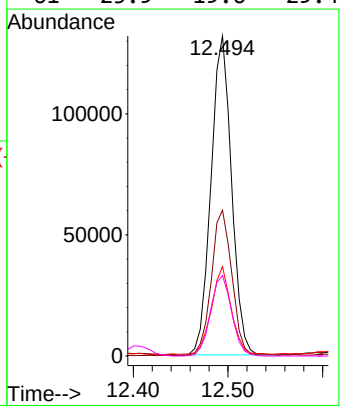


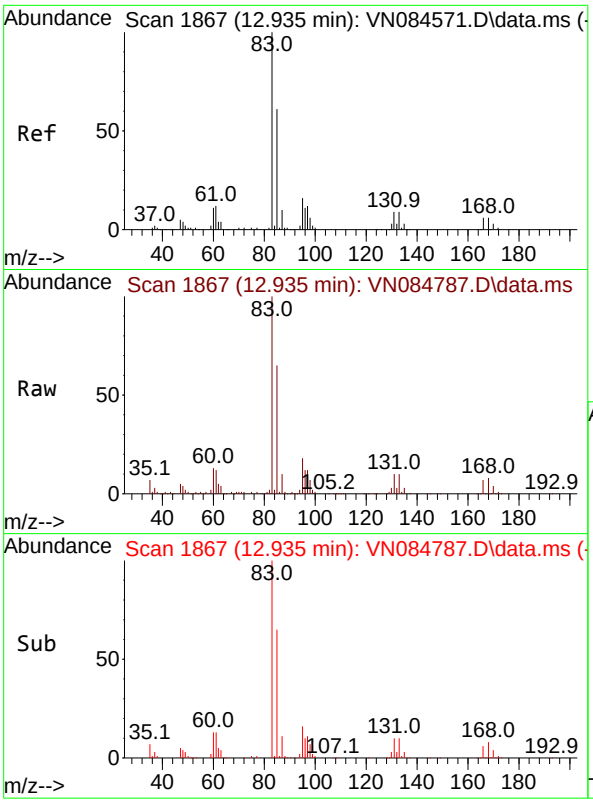


#74
N-amyl acetate
Concen: 51.881 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 43 Resp: 198094

Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.4	51.6
55	26.4	19.6	29.4
61	25.9	19.6	29.4



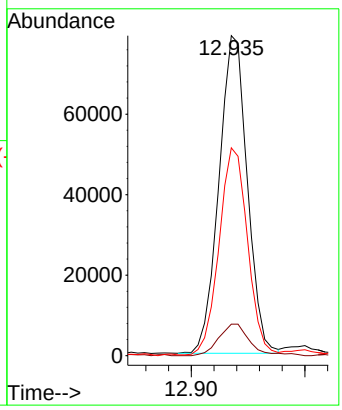


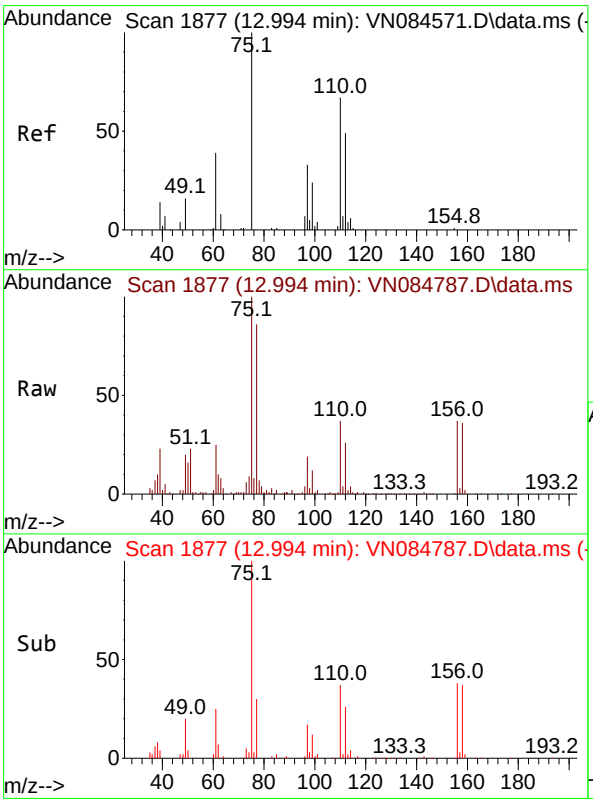
#75
1,1,2,2-Tetrachloroethane
Concen: 45.679 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 136784

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	65.2	31.9	95.7

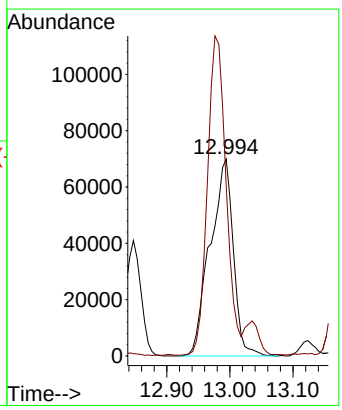


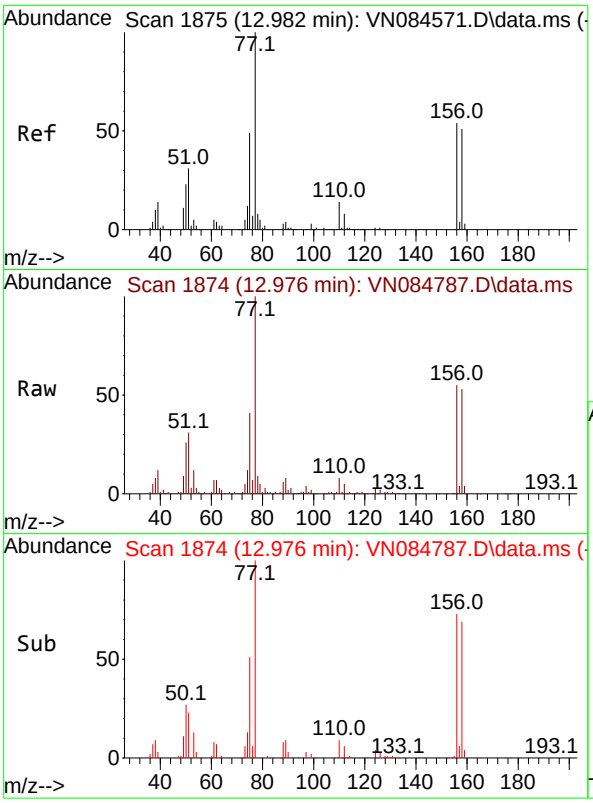


#76
1,2,3-Trichloropropane
Concen: 69.743 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 178471

Ion	Ratio	Lower	Upper
75	100		
77	130.4	96.9	290.7



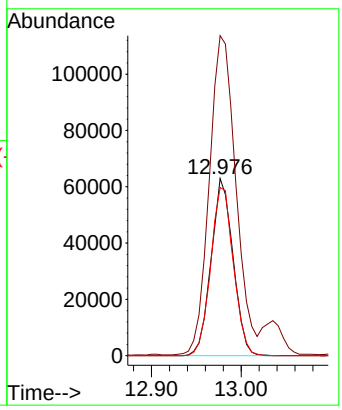


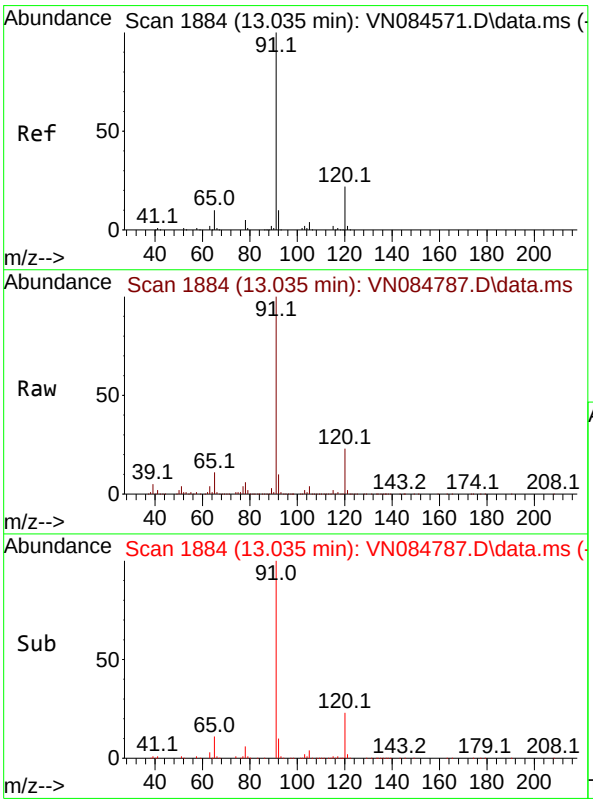
#77
Bromobenzene
Concen: 44.282 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 106796

Ion	Ratio	Lower	Upper
156	100		
77	218.0	115.1	345.3
158	98.4	48.9	146.8

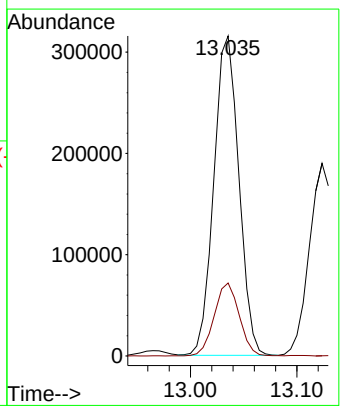


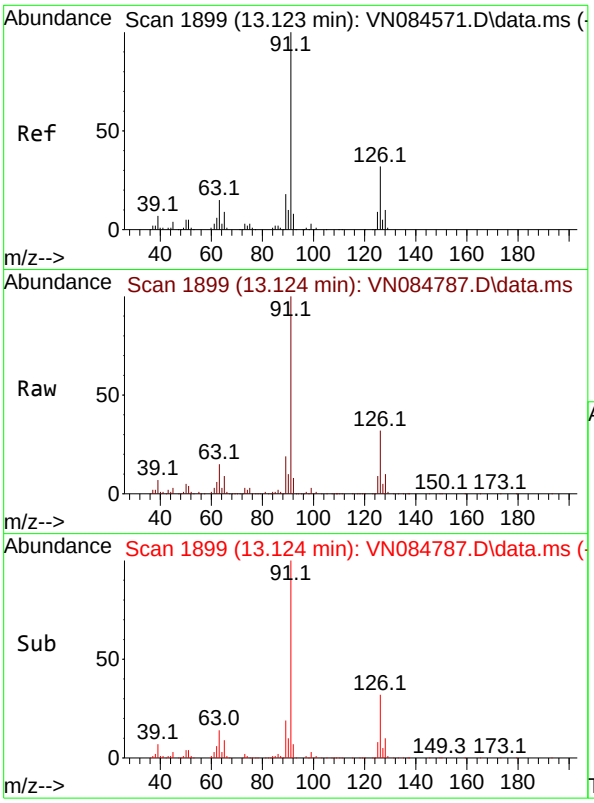


#78
n-propylbenzene
Concen: 48.874 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 513794

Ion	Ratio	Lower	Upper
91	100		
120	22.9	10.8	32.4



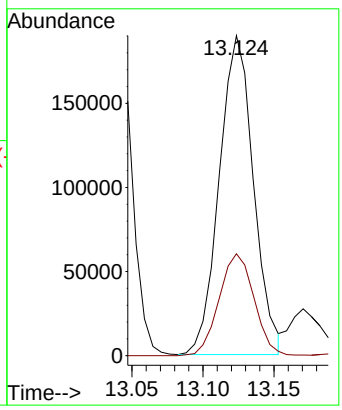


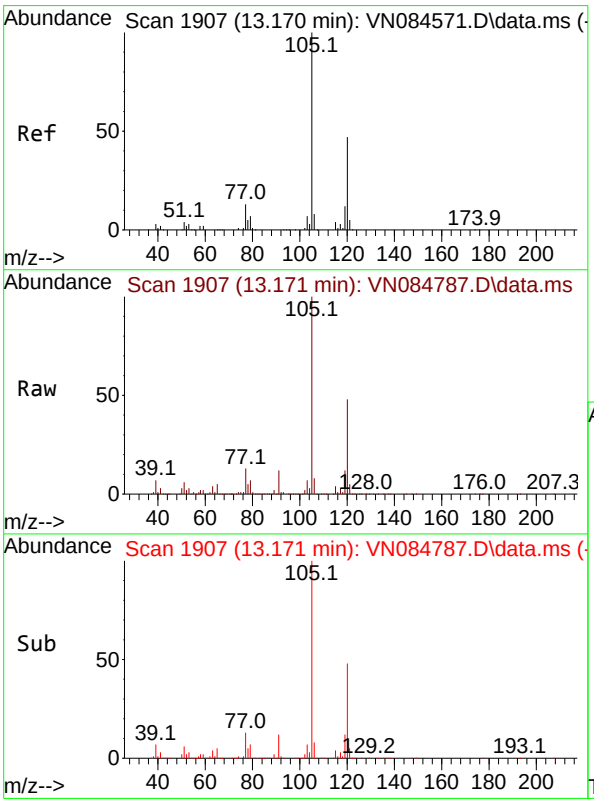
#79
2-Chlorotoluene
Concen: 46.294 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 317997

Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.7	47.1

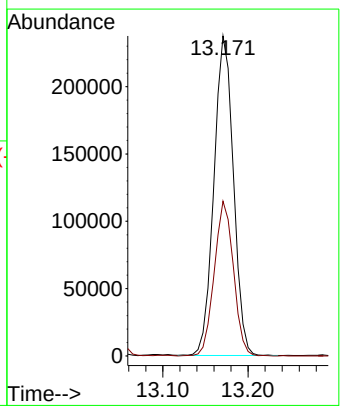


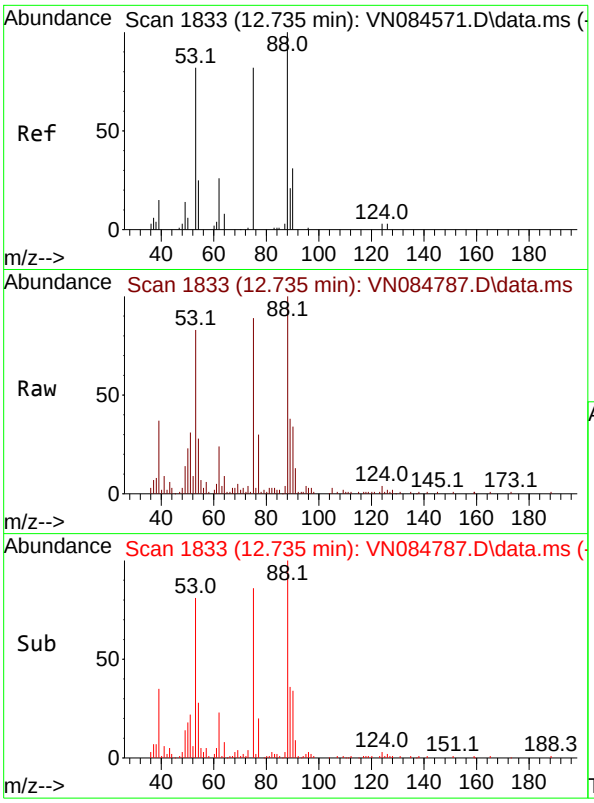


#80
1,3,5-Trimethylbenzene
Concen: 50.751 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 377354

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



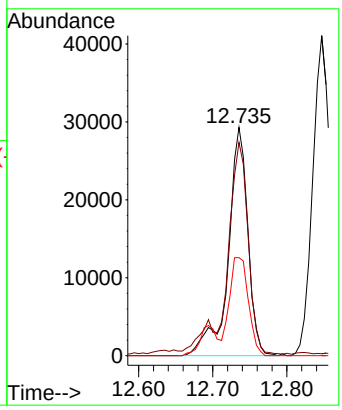


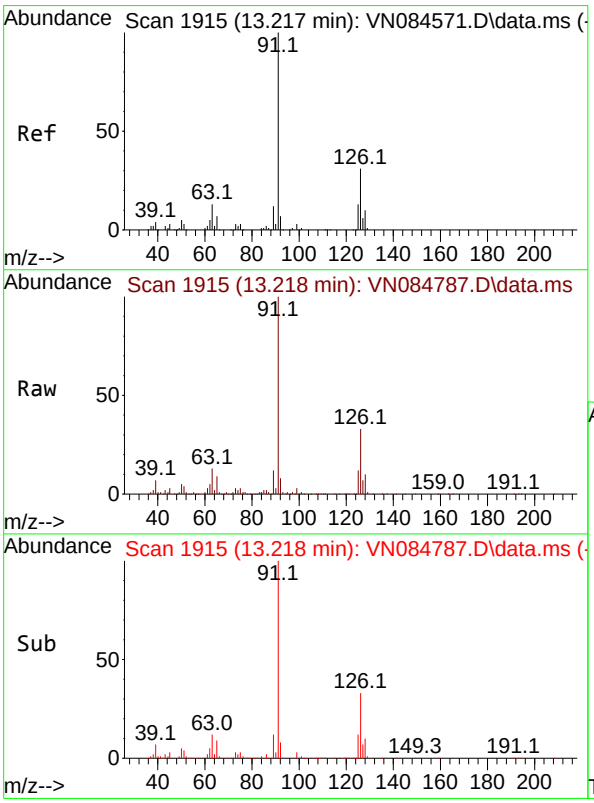
#81
trans-1,4-Dichloro-2-butene
Concen: 50.205 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 54154

Ion	Ratio	Lower	Upper
75	100		
53	86.2	78.0	117.0
89	41.1	35.5	53.3

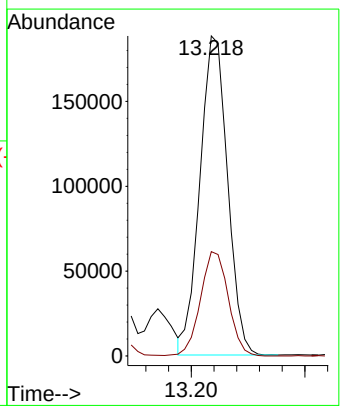


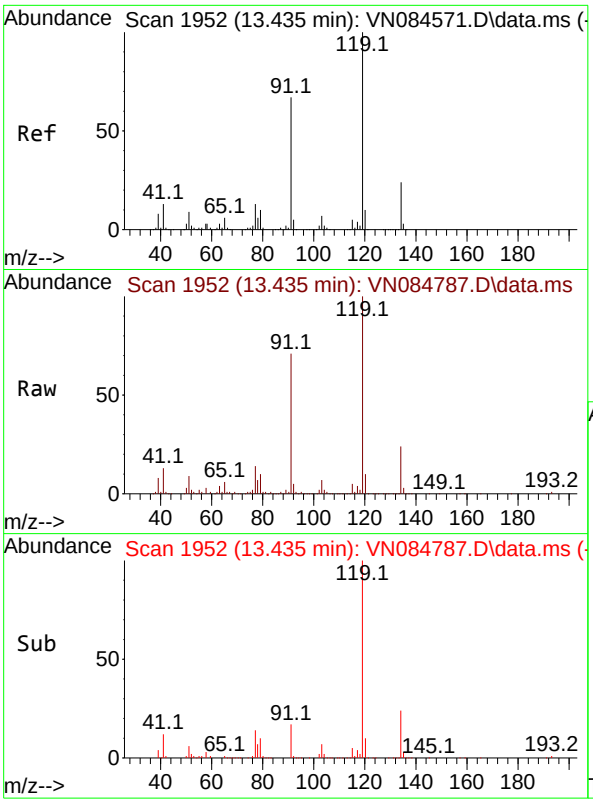


#82
4-Chlorotoluene
Concen: 43.924 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 91 Resp: 317522

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1



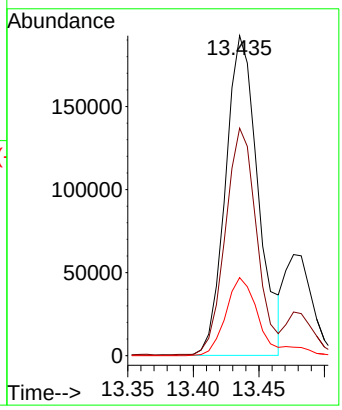


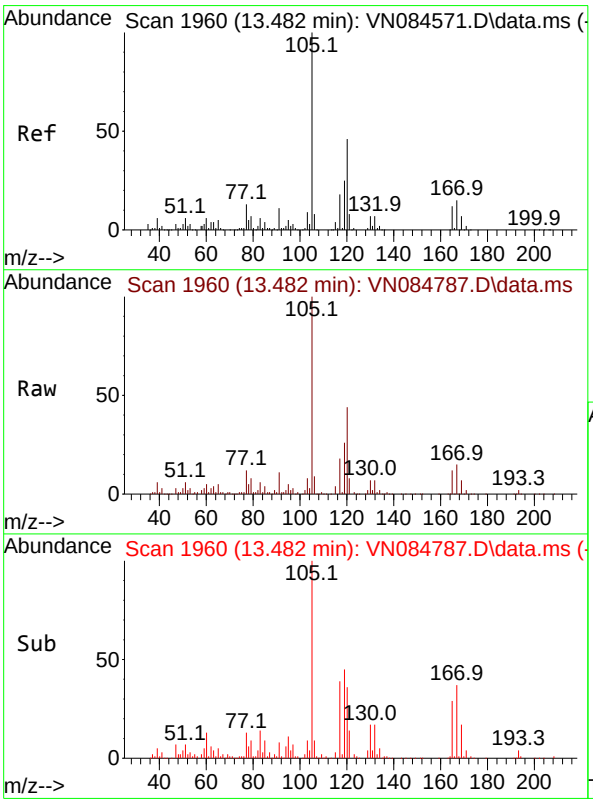
#83
tert-Butylbenzene
Concen: 54.138 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 333151

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.7	12.8	38.4

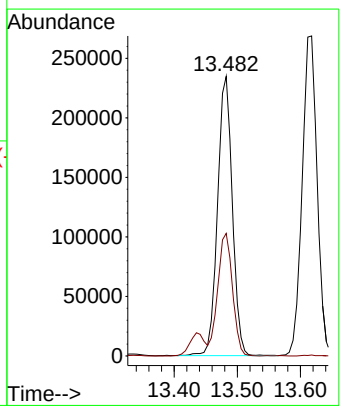


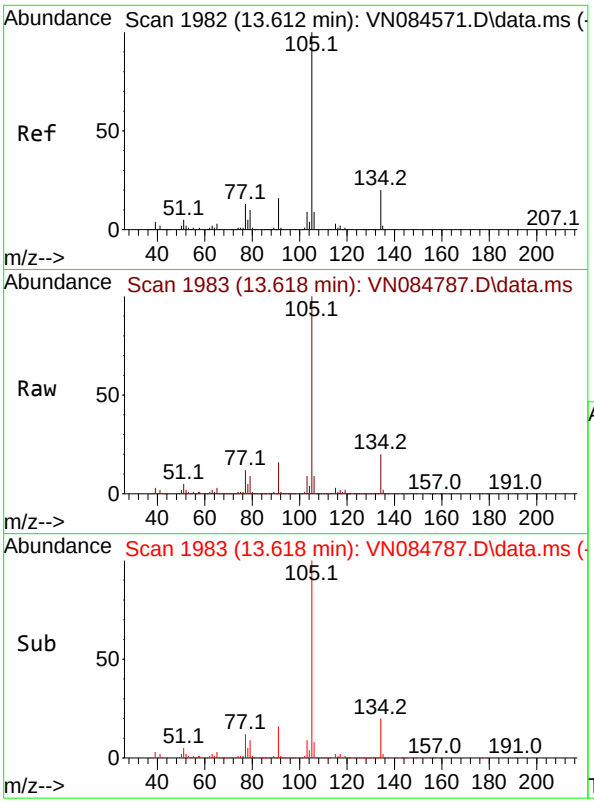


#84
1,2,4-Trimethylbenzene
Concen: 49.655 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:105 Resp: 381057

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8



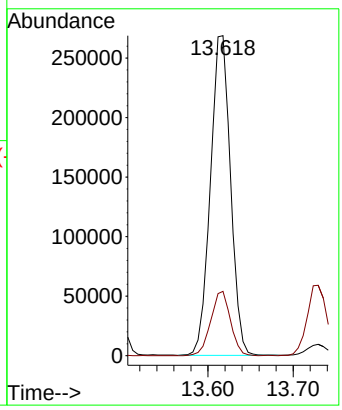


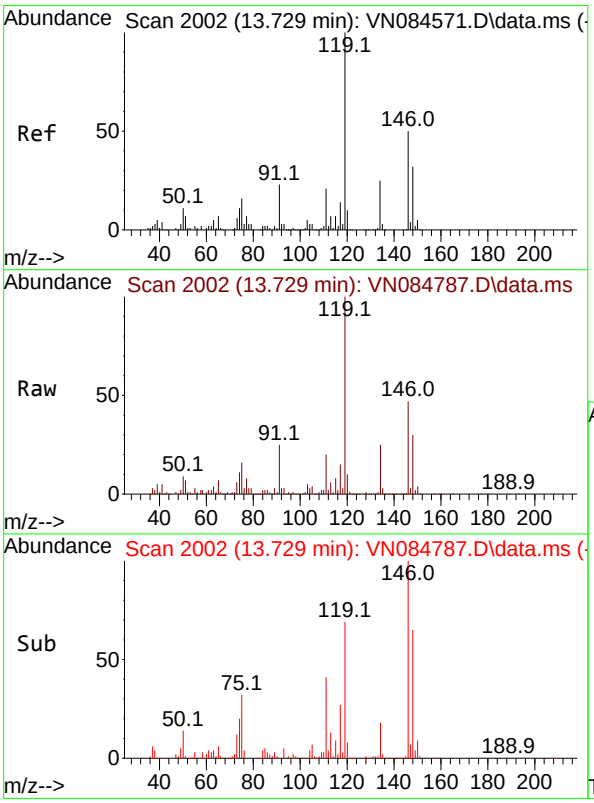
#85
sec-Butylbenzene
Concen: 50.669 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 440437

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

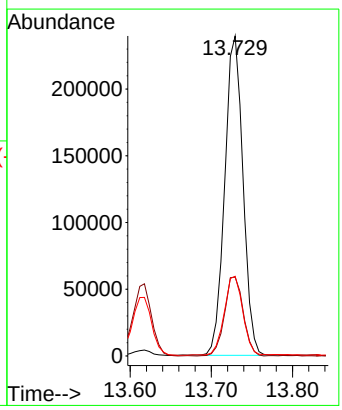


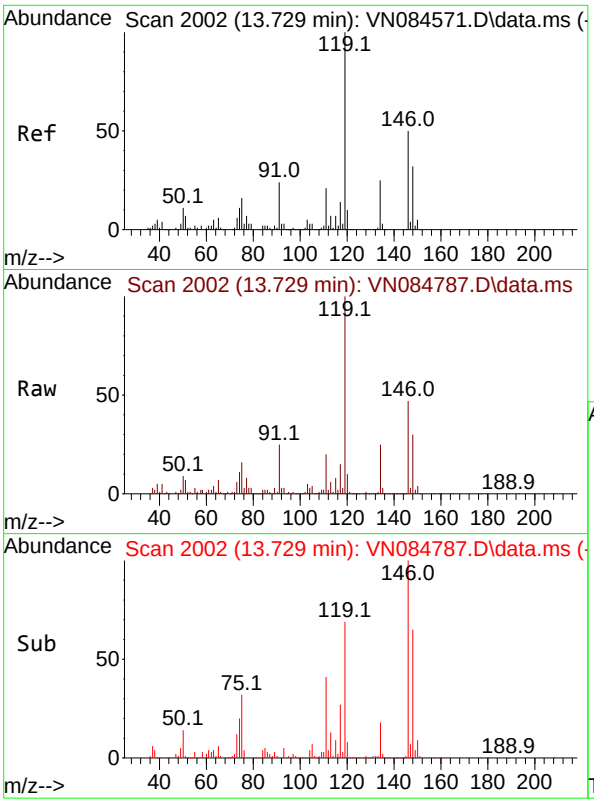


#86
p-Isopropyltoluene
Concen: 52.480 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:119 Resp: 374128

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	25.2	12.4	37.2



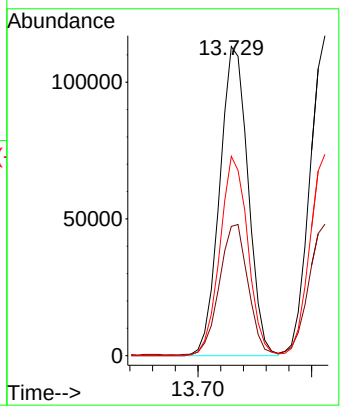


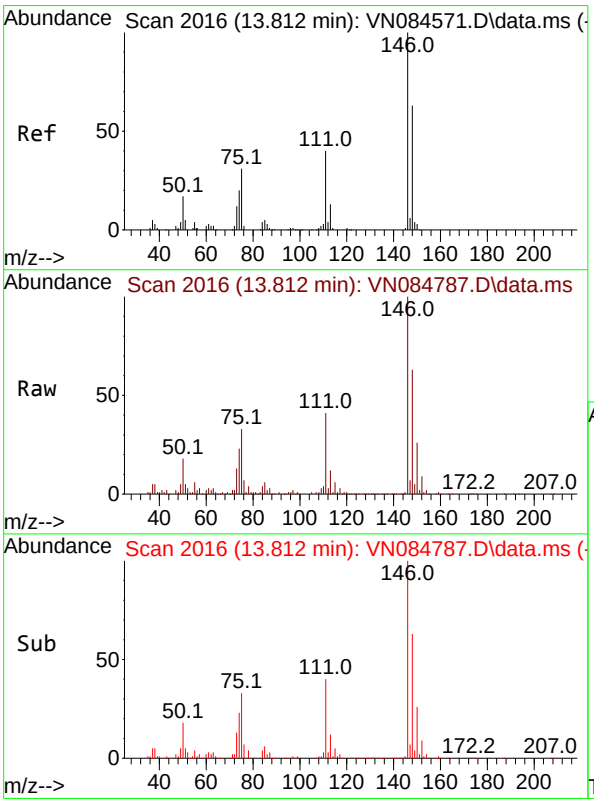
#87
1,3-Dichlorobenzene
Concen: 41.628 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 195927

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.4	31.9	95.7

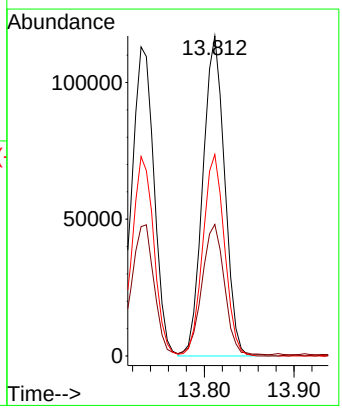


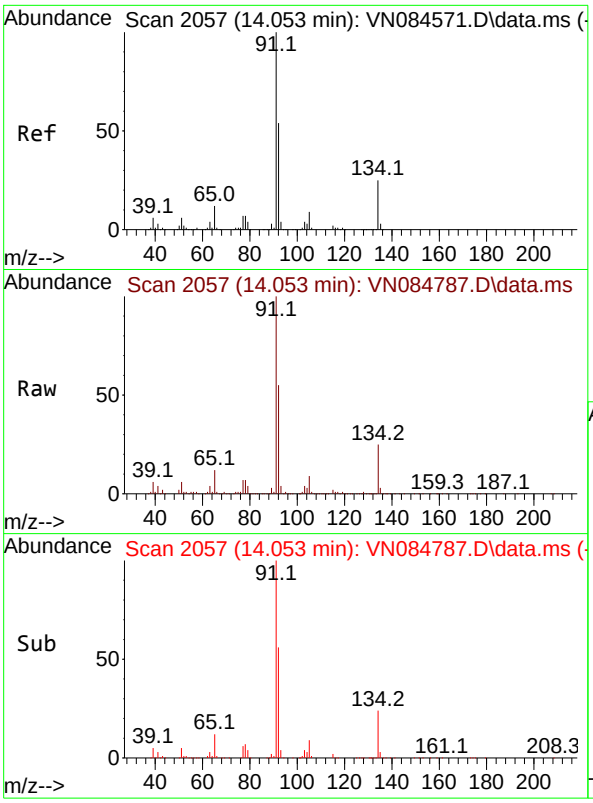


#88
1,4-Dichlorobenzene
Concen: 45.560 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:146 Resp: 197206

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	62.8	31.9	95.9



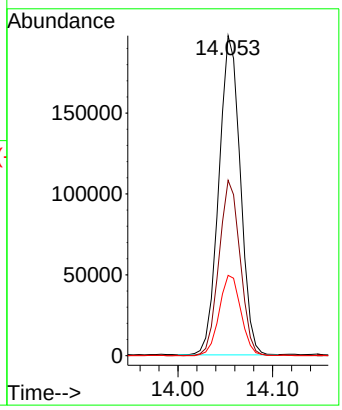


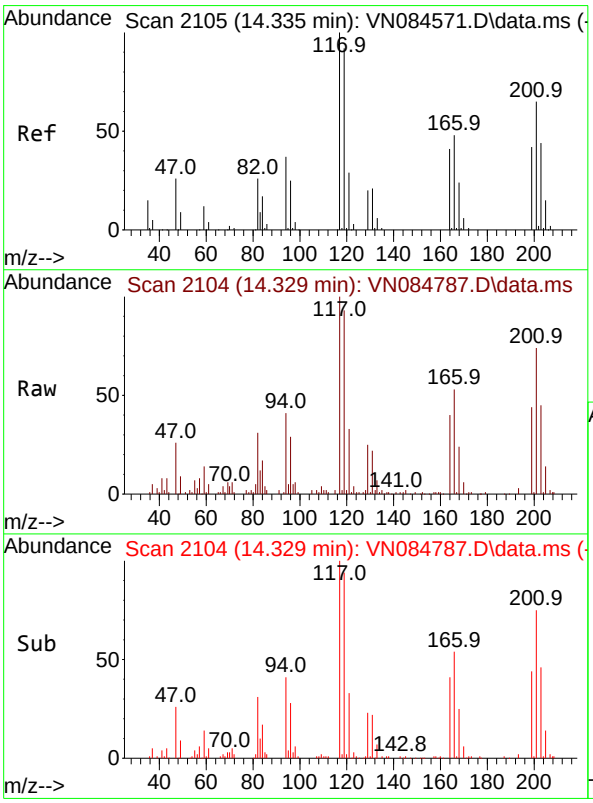
#89
n-Butylbenzene
Concen: 46.596 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 310726

Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.6	79.7
134	25.6	12.3	36.9

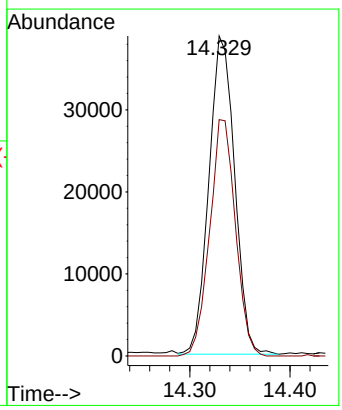


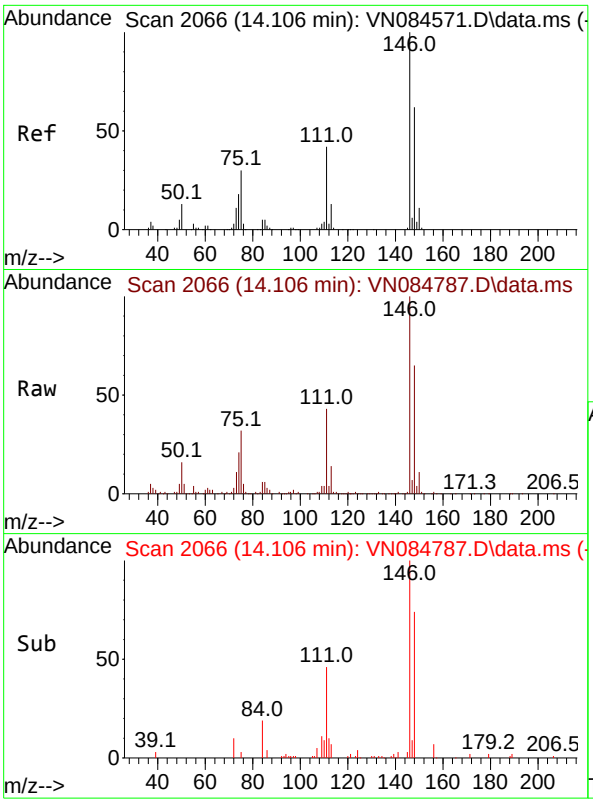


#90
Hexachloroethane
Concen: 43.552 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:117 Resp: 69240

Ion	Ratio	Lower	Upper
117	100		
201	74.2	34.4	103.2



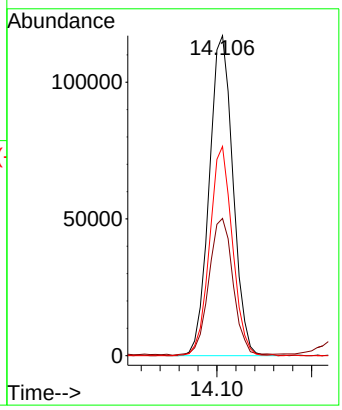


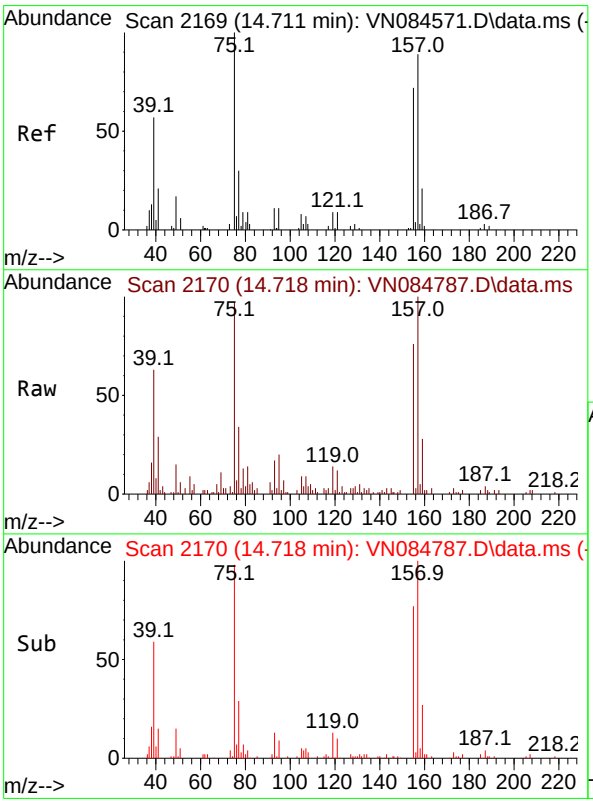
#91
1,2-Dichlorobenzene
Concen: 44.970 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 203390

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	62.9	32.1	96.3

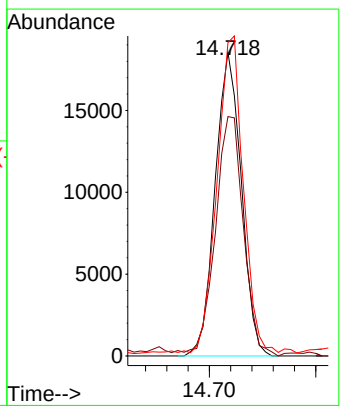


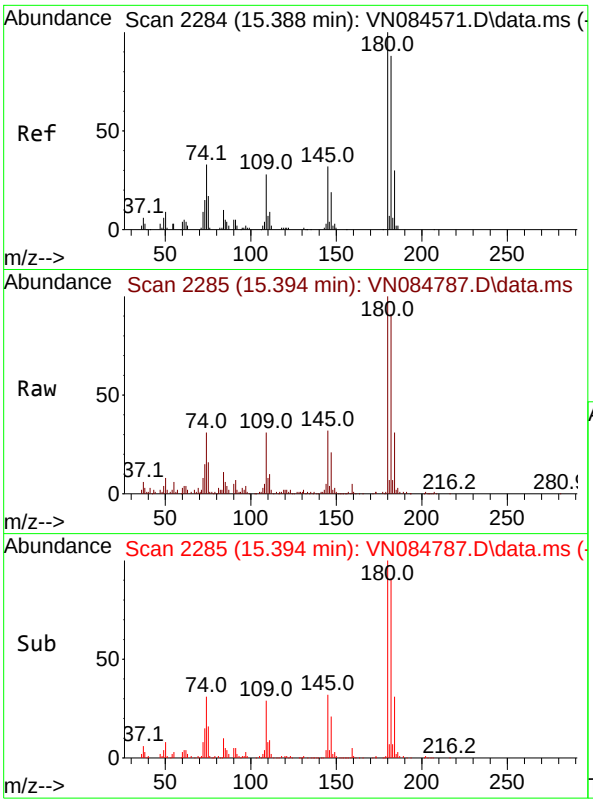


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.063 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion: 75 Resp: 31583

Ion	Ratio	Lower	Upper
75	100		
155	84.5	38.1	114.5
157	104.1	49.6	149.0



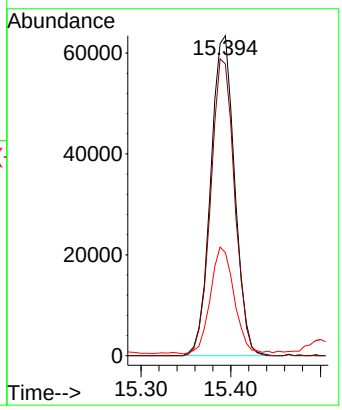


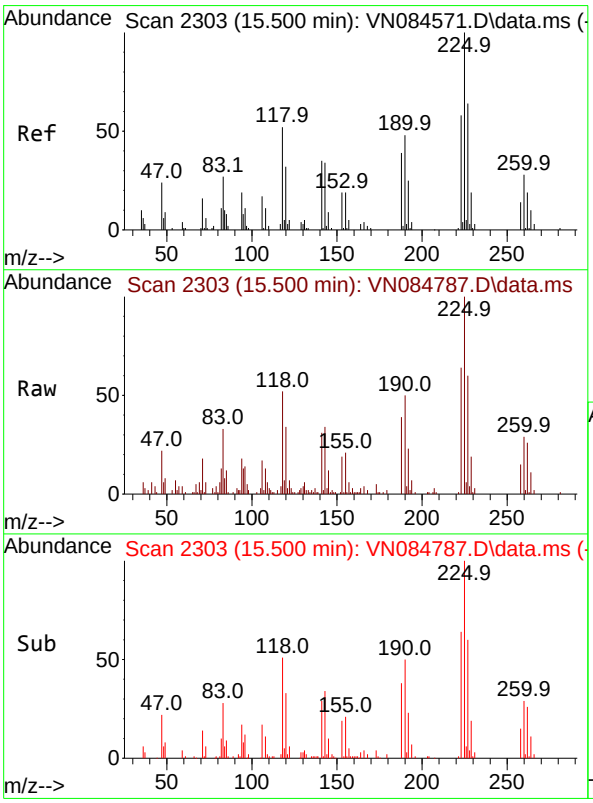
#93
1,2,4-Trichlorobenzene
Concen: 47.394 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 117324

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	33.5	16.4	49.4

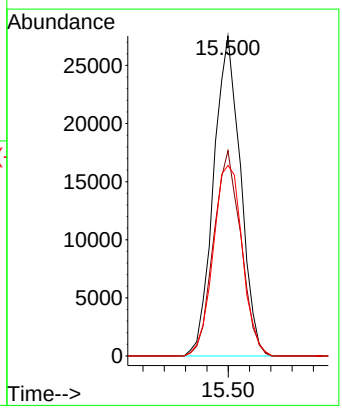


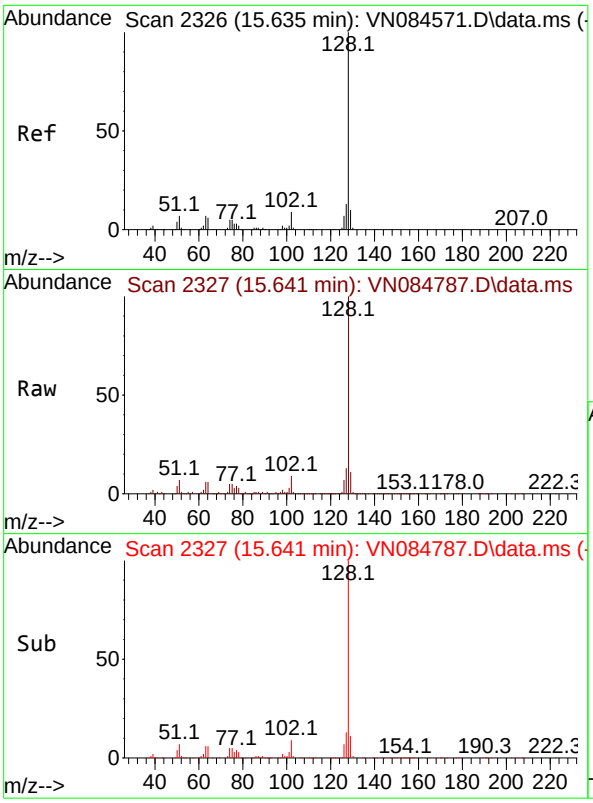


#94
Hexachlorobutadiene
Concen: 44.315 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:225 Resp: 48175

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.4	97.2
227	64.8	32.4	97.0



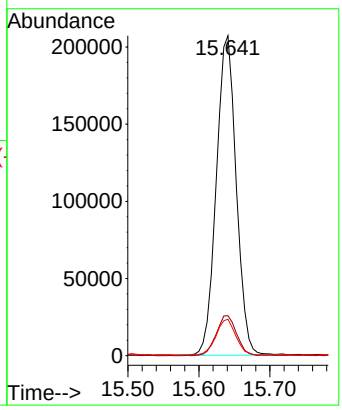


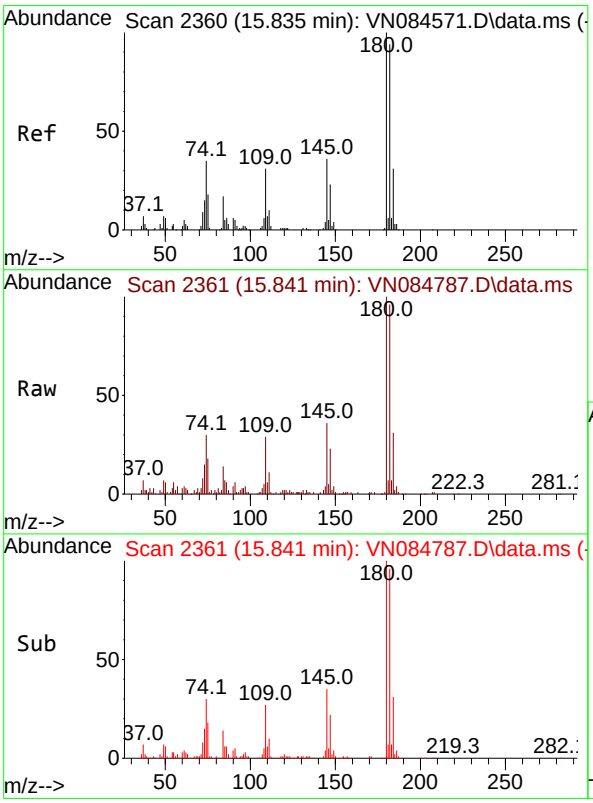
#95
Naphthalene
Concen: 54.353 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 402741

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 47.936 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084787.D
Acq: 11 Nov 2024 21:18

Tgt Ion:180 Resp: 115194

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.2	144.6
145	34.6	17.3	51.9

